

Hangar 1 Data Summary Submittal

High Occupancy Area of Zone 5

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

CCV	Continuing Calibration Verification
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
%D	Percent Difference
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
<	Less than
≤	Less than or equal to

Executive Summary

Rincon Consultants, Inc. has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) for the sampling and analytical activities associated with abatement activities within the High Occupancy Area of Zone 5 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 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 5 within Hangar 1.

The National Association of Corrosion Engineers (NACE) inspection reports indicate that the lead and polychlorinated biphenyl (PCB) impacted paint was successfully removed and the surface cleanliness goal has been met, as shown in Attachment 1, and the Data Usability Assessment indicates that the collected confirmation wipe sampling data are suitable for comparison against the numeric Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead concentration in the 86 wipe samples collected from within the High Occupancy Area of Zone 5 was approximately 194 micrograms per square foot (µg/ft^2), which is less than the numeric Cleanup Goals for lead (i.e., 250 µg/ft^2). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples could not be calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 0.5 micrograms per 100 square centimeters (i.e., less than [<] 0.5 micrograms per 100 square centimeters [µg/100 cm^2]), which is less than the Cleanup Goal for PCBs, in any of the confirmation samples collected from within the High Occupancy Area of Zone 5.

As indicated by the NACE inspection reports and the lead and PCB confirmation wipe sampling results, the High Occupancy Area of Zone 5 is suitable for unrestricted use. Based on the findings presented herein, PV requests that the United States Environmental Protection Agency and San Francisco Regional Water Quality Control Board provide concurrence that no further abatement is required for the High Occupancy Area of Zone 5.

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 5 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 5 of Hangar 1 and includes:

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

Discussion of the clearance wipe sampling results for the High and Low Occupancy Areas within Enclosure A/B and C/D of Zone 5 are included in the data summary submittal report prepared by Rincon for the Low Occupancy Area of Zone 5 (Rincon, 2024).

[1] The High Occupancy Area of Zone 5 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 less than the indicated concentrations. In addition, the NTCRA Work Plan requires that no single confirmation wipe sample result exceeds 5-times the numeric Cleanup Goal and that no more than 10-percent of the confirmation wipe sample results exceed 3-times the numeric Cleanup Goal.

The visual 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 5.

2.1 Visual Inspections

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

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

2.2 Confirmation Sampling Results

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

[3] Abatement in both the High and Low Occupancy Areas of Zone 5 was completed on October 13, 2023.

2.2.1 Initial Abatement and Sampling Efforts

A total of 171 confirmation wipe samples were collected from the High Occupancy Area of Zone 5, including QC samples (i.e., field blank samples and field duplicate samples). Of the 171 confirmation wipe samples,[4] and associated QC samples, 108 were lead wipe samples and 63 were PCB wipe samples:

- 86 lead confirmation wipe samples and 53 PCB confirmation wipe samples;
- Six lead media blanks;[5]
- Six lead field blank samples and four PCB field blank samples; and,
- Ten lead duplicate confirmation wipe samples and six PCB duplicate confirmation wipe samples.

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

2.2.2 Evaluation of the Confirmation Wipe Sampling Data

Upon completion of confirmation wipe sampling activities within the High Occupancy Area of Zone 5, a total of 15 of the lead confirmation wipe samples collected, or approximately 14-percent, exceeded the numeric Cleanup Goal of less than (<) 250 µg/ft^2. However, none of the lead concentrations in the confirmation wipe samples collected from within the High Occupancy Area of Zone 5 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, media blank samples, and the lower of the duplicate sampling results[6] were not included in the calculation of the 95-percent UCL. As shown in Table 1, the 95-percent UCL of the mean lead concentration (i.e., approximately 194 µg/ft^2) is below the numeric Cleanup Goal. The Pro-UCL input and output files for lead confirmation wipe samples are included in Attachment 4.

All PCB confirmation wipe sample results were below 0.5 µg/100 cm^2, the highest reported laboratory quantitation limit (QL); therefore, none of the PCB sample results exceeded the numeric Cleanup Goal for the High Occupancy Area of less than or equal to (≤) 10 µg/100 cm^2. The 95-percent UCL could not be calculated for PCBs because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected within the High Occupancy Area of Zone 5.

Table 1 95-Percent UCL for Confirmation Wipe Samples

Analyte	Method	Project Cleanup Goal	95% UCL
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft^2	194 µg/ft^2
PCB	U.S. EPA Method 8082	≤10 µg/100 cm^2	--[a]

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

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

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

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

3 Data Usability Assessment

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

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

3.1 Data Verification

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

A field audit by Rincon's field manager, which included a review of the field sampling protocols, was conducted on September 6, 2023. Rincon's field manager observed field personnel conducting field sampling activities to confirm that all activities were conducted in accordance with standard operating procedures (SOPs) developed for field sampling activities associated with the NTCRA.[7] The results of the field audit indicated that the field activities being conducted at Hangar 1, including confirmation wipe sampling activities, were being conducted in accordance with the NTCRA Work Plan as well as the SOPs developed for field activities associated with the NTCRA.

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 in Table 2 and PCBs in Table 3 and Table 4, respectively.

As the total square footage of steel in the High Occupancy Area of Zone 5 was greater than that estimated in Worksheet #20-2, additional confirmation lead wipe samples were collected in the High Occupancy Area to maintain the appropriate sample collection frequency as described in the revised Worksheet #20-2[8] of the UFP-QAPP. The actual confirmation lead wipe sampling frequency (i.e., one sample per 984 square feet [ft^2] of abated steel) as well as the frequencies of the field duplicate, field blank, and media blank samples were consistent with, or greater than, the frequencies per the UFP-QAPP (i.e., the revised Worksheet #20-2).

[7] For more information, please refer to the Biweekly Report for the period ending on September 8, 2023.

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

All the confirmation wipe sampling had been completed in Zone 5 Enclosure C/D prior to the approval and implementation of the sampling frequency described in the *Reduction of Confirmation and Clearance Wipe Sample Collection for PCB Analysis in Zone 5 through Zone 8 Memorandum* (PCB Sampling Reduction Memo; Rincon, 2023c). Therefore, the confirmation PCB wipe sampling frequency in Enclosure C/D as well as the frequencies of the field duplicate and field blank samples were consistent with, or greater than, the frequencies per the UFP-QAPP (i.e., the revised Worksheet #20-2) and PCB Sampling Reduction Memo.

Table 2 Lead Wipe Sample Summary

	No. of Lead Confirmation Wipe Samples	**No. of Field Duplicates or Frequency**	**No. of Field Blanks or Frequency[b]**	**No of Media Blanks of Frequency [b]**
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 1,000 ft^2 of abated steel	10%	5%	5%
Anticipated Number of Samples	80 [a]	8 [10%]	4 [5%]	4 [5%]
Actual Square Footage within the High Occupancy Area of Zone 5	84,703 ft^2			
Samples Collected	86	10	6	6
Actual Frequency	1 sample per every 984 ft^2 of abated steel	12%	7%	7%

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

Table 3 PCB Wipe Sample Summary – Enclosure C/D

	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 5	42,352 ft^2		
Samples Collected [c]	43	5	3
Actual Frequency	1 sample per every 985 ft^2 of abated steel	12%	7%

Notes:
[a] Original sample counts outlined in the UFP-QAPP were based on an estimated surface area of 80,000 ft^2 of steel.
[b] Field blank samples are equivalent to media blank samples referenced in the UFP-QAPP.
[c] All confirmation wipe samples from the High Occupancy Area of Zone 5 Enclosure C/D were collected prior to Agency approval of the PCB Sampling Reduction Memo (Rincon, 2023c), therefore the sampling frequency reflects the original requirements outlined in the UFP-QAPP Worksheet #20-2.

Following Regulatory Agency approval of the PCB Sampling Reduction Memo (Rincon, 2023c), Rincon implemented the reduced PCB confirmation wipe sampling frequency, beginning with the confirmation wipe sampling event on October 23, 2023 in Zone 5 Enclosure A/B. Since no PCB confirmation wipe samples were collected in High Occupancy Area of Zone 5 Enclosure A/B in the prior to October 23, 2023, the PCB confirmation wipe samples collected within the High Occupancy Area of Zone 5 Enclosure A/B were collected in accordance with Worksheet #17 of the UFP-QAPP and the PCB Reduction Memo (i.e., 10 PCB confirmation wipe samples, one PCB duplicate sample, and one PCB field blank sample). Table 4 provides a summary of the total number of confirmation samples and field QC samples for PCBs following Regulatory Agency approval of the PCB Sampling Reduction Memo (Rincon, 2023c).

Table 4 PCB Wipe Sample Summary – Enclosure A/B

	No. of PCB Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Field Blanks or Frequency [a]
Required Frequency per Rincon (2023c)	10 samples per enclosure	10%	5%
Anticipated Number of Samples	10	1	1
Samples Collected	10	1 [10%]	1 [10%]
Notes: [a] Field blank samples are equivalent to media blank samples referenced 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 54 samples and Stage 2A validation was conducted on the remaining 117 samples (Attachment 5).

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

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 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	5	RPD ≤20%	0	0%
LCS/LCSD – PCB	4	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 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	10	RPD ≤100%	0	0%
PCB – Wipe	6	RPD ≤100%	--[a]	--[a]

Notes:
[a] In accordance with the UFP-QAPP, RPDs were not calculated for duplicate samples where the analyte is less than the QL in one or both samples.

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.

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	10	%R 80-120%	0	0%
Lead Method Blank Samples	5	<QL	0	0%
PCB LCS and LCSD	8	%R 60-140%	0	0%
PCB Method Blank Samples	4	<QL	0	0%

Notes:
%R: Percent Recovery

3.4.2 Laboratory Surrogate Spikes

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

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

3.4.3 Field QC Samples

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

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

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	6	<10 µg/ft^2	0%
Lead Media Blank Samples [a]	6	<QL	0%
PCB Field Blank Samples	4	<QL	0%

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

In accordance with the corrective actions described in the *Lead Detections in Media Blank Samples (Zone 2 Data Summary Submittal) Memorandum* (Media Blank Memo; Rincon, 2023b), Rincon collected both lead field blank and lead media blank samples in the High Occupancy Area of Zone 5. Because PCBs have not been detected above the laboratory QLs in any field blank samples, media blank samples were only analyzed for lead. Field blank samples were analyzed for both lead and PCBs.

Lead was detected above the laboratory QL in five of the six of the field blank samples collected; however, the results did not exceed the MPC of <10 µg/ft^2 and the reported results for the field blank samples were more than 100 times lower than the Cleanup Goal for lead. As described in the DSS for the High Occupancy Area of Zone 1 (Rincon, 2023a), the lead reported in field blank samples is likely a result of low concentrations of lead dust that are known to be in the air following abatement and cleaning activities within the enclosures as opposed to lead contamination in the wipe sampling media.[10] Therefore, while lead in the enclosure may be impacting field blank samples, the same ambient lead concentrations are likely impacting all the confirmation wipe samples and as a result are likely biasing the lead confirmation wipe sampling results high.

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

Lead was not detected above the laboratory QLs in any of the media blank samples associated with the High Occupancy Area of Zone 5.

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 5:

- A field audit, which included a review of the field sampling protocols, was conducted by Rincon's field manager on September 6, 2023. Sample collection was performed in compliance with the field

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

SOPs included in the UFP-QAPP for the collection and analysis of lead and PCB confirmation wipe samples; and

- All confirmation wipe samples were analyzed within acceptable sample holding times and all field and laboratory personnel adhered to the appropriate sample handling and storage requirements outlined in the UFP-QAPP.[11]

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

3.5.2 Completeness

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

As seen in Table 9, the data validation process did not result in the rejection of any confirmation wipe sampling data and as a result the % completeness (i.e., 100%) exceeds the MPC.

Table 9 Completeness for Confirmation Wipe Samples

Analyte – Sample Type	Total No. of Samples	Usable Results (%)	Unusable Results (%)	% Completeness - Measurement Performance Criteria
Lead – Wipe	86	100%	0%	>90%
PCB – Wipe	53	100%	0%	>90%

3.5.3 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Data are considered comparable if quality assurance (QA)/QC measures, such as sample collection procedures, analytical methods, reporting units, and analytical reporting limits are equivalent for the samples within a data set. Adherence to QA/QC measures assures that samples collected in similar conditions (i.e., the High Occupancy Area of Zone 5) 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 5, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audit conducted on September 6, 2023, 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.

[11] 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.

3.6 Sensitivity

Sensitivity is the capability of a method or instrument to discriminate among measurement responses representing different levels of the variable of interest. As seen in Table 10, the laboratory specific QL outlined in the UFP-QAPP were 0.5 µg/ft^2 for lead and 0.5 µg/100 cm^2 for PCBs. Seven lead confirmation wipe samples had QLs exceeding the limits defined in the UFP-QAPP, however, because the affected samples contained lead at concentrations more than 100-times greater than their respective QLs, the elevated QLs do not impact the data quality, despite exceeding the UFP-QAPP's MPC. The remainder of the lead confirmation wipe samples had QLs that were below the laboratory specific QLs as identified in the UFP-QAPP. The QLs for all the PCB confirmation wipe samples met the laboratory specific QLs outlined in the UFP-QAPP.

Table 10 Sensitivity Comparison for Confirmation Wipe Samples

Analyte	Method	Cleanup Goal	Laboratory Specific QL in QAPP	Maximum QL Reported
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft^2	0.5 µg/ft^2	2.2 µg/ft^2
PCB	U.S. EPA Method 8082	≤10 µg/100 cm^2	0.5 µg/100 cm^2	0.50 µg/100 cm^2

4 Conclusions

Based on the NACE inspections and the DUA (Section 3), the lead and PCB confirmation wipe sampling results are suitable for comparison against their respective Cleanup Goals. The 95-percent UCL for the mean lead concentration in the confirmation wipe samples collected within the High Occupancy Area of Zone 5 was approximately 194 µg/ft^2, which is below the Cleanup Goal for lead (i.e., <250 µg/ft^2). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples could not be calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 0.5 µg/100 cm^2 in any of the confirmation samples collected from within the High Occupancy Area of Zone 5.

Given that the 95-percent UCL for lead confirmation wipes is below the Cleanup Goal for lead and that PCBs were not detected in any of the confirmation wipe samples above a maximum analytical reporting limit of 0.5 µg/100 cm^2, the High Occupancy Area of Zone 5 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 5.

5 References

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

Rincon Consultants, Inc. (Rincon). 2024. *Hangar 1 Data Summary Submittal; Low Occupancy Area of Zone 5, Former Naval Air Station Moffett Field, California.* March 2024.

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

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

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

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

Figures



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Plan Map and Cross Section of Zone 5

Figure 1

Attachment 1

NACE Inspection Forms

CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2329 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 5 AREA D

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

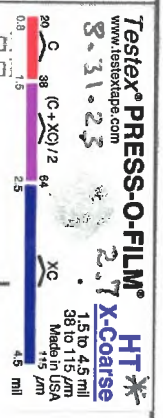
Environmental Conditions:

Time	5:36 AM	9:36 AM	1:36 PM	5:36 PM					Specified Conditions
Dry Bulb	70.1 °F	67.6 °F	78.9 °F	90.8 °F					35-120 F
Wet Bulb	61.5 °F	60.8 °F	66.3 °F	72.0 °F					
Depression	8.6 °F	6.8 °F	12.6 °F	18.8 °F					
Relative Humidity	60.4%	67.2%	49.8%	37.7%					85%
Dew Point	55.7 °F	56.3 °F	58.5 °F	61.5 °F					
Steel temp	69.3 °F	66.7 °F	79.2 °F	91.5 °F					35-120 F
Difference	13.5 °F	10.4 °F	20.7 °F	30.1 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447475

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 20-70 BLEND Compressed Air Tested? YES ☑ NO ☐
Size 10X (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 2.7 mils



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST ON AIR COMRESSORS;CONTINUE ABRASIVE BLASTING IN ZONE 5 AREA D LEVELS 7,6,5,4,3,AND 2.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 8/31/2023
QC Supervisor Signature: _____ Date: 9-6-23

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2328 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 5 AREA D

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, September 5, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	4:56 AM	8:56 AM	12:56 PM	4:56 PM					Specified Conditions
Time									
Dry Bulb	65.6 °F	63.3 °F	72.3 °F	97.6 °F					35-120 F
Wet Bulb	60.1 °F	57.3 °F	63.8 °F	75.2 °F					
Depression	5.5 °F	6.0 °F	8.5 °F	22.4 °F					
Relative Humidity	72.7%	69.2%	62.3%	32.5%					85%
Dew Point	56.6 °F	53.0 °F	58.7 °F	63.2 °F					
Steel temp	64.0 °F	62.2 °F	72.2 °F	98.7 °F					35-120 F
Difference	7.4 °F	9.2 °F	13.6 °F	35.5 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

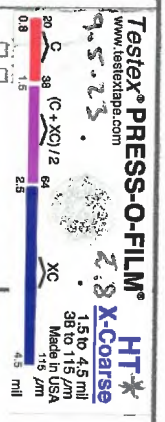
Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447475

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 20-70 BLEND Compressed Air Tested? YES [☑] NO [☐]
Size 10X (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 2.8 mils



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST ON AIR COMRESSORS;CONTINUE ABRASIVE BLASTING IN ZONE 5 AREA D LEVELS 6,5,3,2,1.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 9/5/2023
QC Supervisor Signature: _____ Date: 9-6-23

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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 5 AREA D

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

Environmental Conditions:

	5:12 AM	9:12 AM	1:12 PM	5:12 PM					Specified Conditions
Time									
Dry Bulb	68.1 °F	67.6 °F	82.7 °F	110.6 °F					35-120 F
Wet Bulb	60.1 °F	60.5 °F	69.0 °F	80.0 °F					
Depression	8.0 °F	7.1 °F	13.7 °F	30.6 °F					
Relative Humidity	61.8%	65.7%	48.3%	22.8%					85%
Dew Point	54.5 °F	55.7 °F	61.2 °F	64.0 °F					
Steel temp	67.1 °F	66.7 °F	83.1 °F	112.2 °F					35-120 F
Difference	12.7 °F	11.0 °F	22.0 °F	48.2 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447475

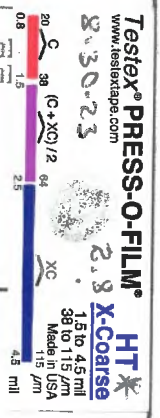
SURFACE PREPARATION

☑ 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 20-70 BLEND Compressed Air Tested? YES ☑ NO ☐
Size 10X (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 2.8 mils



PRIMER

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

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

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

INTERMEDIATE ☐ **FINISH** ☐

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

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

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

Notes: PERFORMED A BLOTTER TEST ON AIR COMRESSORS;CONTINUE ABRASIVE BLASTING IN ZONE 5 AREA D LEVELS 11,8,7,4,3,2.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 8/30/2023
QC Supervisor Signature: _____ Date: 9-6-23

The results relate only to items inspected/tested

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2328 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 5 AREA D

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, September 6, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	4:56 AM	8:56 AM	12:56 PM	4:56 PM					Specified Conditions
Time									
Dry Bulb	63.2 °F	63.8 °F	77.6 °F	99.7 °F					35-120 F
Wet Bulb	57.3 °F	57.5 °F	64.7 °F	75.5 °F					
Depression	5.9 °F	6.3 °F	12.9 °F	24.2 °F					
Relative Humidity	69.6%	67.3%	47.4%	29.6%					85%
Dew Point	53.1 °F	52.8 °F	56.0 °F	62.3 °F					
Steel temp	62.0 °F	63.0 °F	77.7 °F	100.4 °F					35-120 F
Difference	8.9 °F	10.2 °F	21.7 °F	38.1 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447475

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 GX2 Compressed Air Tested? YES [☑] NO [☐]
Size FINE (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

Testex® PRESS-O-FILM® HT* X-Coarse 1.5 to 4.5 mil 38 to 115 µm Made in USA www.testextape.com 9.6.23 3.2

PRIMER

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

INTERMEDIATE ☐ **FINISH** ☐

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

Notes: PERFORMED A BLOTTER TEST ON AIR COMRESSORS;CONTINUE ABRASIVE BLASTING IN ZONE 5 AREA D LEVELS 6,5,2,1 GROUND LEVEL.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 9/6/2023
QC Supervisor Signature: _____ Date: 9.8.23
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22
The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: ISRAEL VILLALOBOS-NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 5 AREA A

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

Environmental Conditions:

	5:27 AM	9:27 AM	1:27 PM	5:27 PM					Specified Conditions
Time									
Dry Bulb	61.8 °F	63.3 °F	79.5 °F	72.2 °F					35-120 F
Wet Bulb	56.7 °F	58.0 °F	64.7 °F	62.6 °F					
Depression	5.1 °F	5.3 °F	14.8 °F	9.6 °F					
Relative Humidity	72.6%	72.6%	41.7%	57.4%					85%
Dew Point	52.9 °F	54.3 °F	54.2 °F	56.3 °F					
Steel temp	59.9 °F	63.3 °F	80.4 °F	71.6 °F					35-120 F
Difference	7.0 °F	9.0 °F	26.2 °F	15.3 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447475

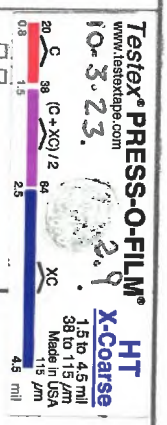
SURFACE PREPARATION

☑ 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 GX2 Compressed Air Tested? YES [☑] NO [☐]
Size FINE (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 2.9 mils



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST ON AIR COMPRESSORS;CONTINUE ABRASIVE BLASTING IN ZONE 5 AREA A,LEVELS 16,14,11,8.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 10/3/2023
QC Supervisor Signature: _____ Date: 10/4/23

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	Project:	HANGAR 1
Certified Supervisor:	NICK RODRIGUEZ-ISRAEL VILLALOBOS	Inspector:	TJ GARDNER II
Work Location:	MOFFETT FIELD CA.	Date Worked:	Thursday, October 5, 2023
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASSIVE BLASTING ZONE 5 AREA A		MOFFETT FIELD CA.94305

Environmental Conditions:

	6:26AM	10:26AM	1:25PM	5:26PM					Specified Conditions
Time									
Dry Bulb	67.3 °F	98.0 °F	90.3 °F	88.8 °F					35-120 F
Wet Bulb	58.3 °F	74.5 °F	64.9 °F	63.8 °F					
Depression	9.0 °F	23.5 °F	25.4 °F	13.0 °F					
Relative Humidity	56.5%	29.8%	30.3%	31.9%					85%
Dew Point	51.3 °F	61.1 °F	54.9 °F	54.4 °F					
Steel temp	66.1 °F	99.9 °F	90.7 °F	88.4 °F					35-120 F
Difference	14.8 °F	38.8 °F	35.8 °F	34.0 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

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: ABRASSIVE BLASTING ZONE 5 AREA A. 16 BLASTERS
START TIME-5:40AM STOP TIME-2:50PM

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

QC Inspector Signature: _____ Date: 10/5/2023
QC Supervisor Signature: _____ Date: 10-5-23

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client

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

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASSIVE BLASTING ZONE 5 AREA A

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Thursday, October 12, 2023
Address: FORMER NAVAL AIR STATION MOFFETT FIELD CA.94305

Environmental Conditions:

	5:11AM	10:26AM	1:26PM	5:26PM					Specified Conditions
Time									
Dry Bulb	56.3 °F	93.0 °F	78.4 °F	70.5 °F					35-120 F
Wet Bulb	47.8 °F	70.3 °F	62.1 °F	58.0 °F					
Depression	8.5 °F	22.7 °F	16.3 °F	14.8 °F					
Relative Humidity	48.5%	27.4%	29.0%	37.7%					85%
Dew Point	37.2 °F	54.4 °F	43.9 °F	49.4 °F					
Steel temp	54.5 °F	93.3 °F	78.3 °F	75.1 °F					
Difference	17.3 °F	38.9 °F	34.4 °F	27.2 °F					35-120 F
Conditions	SAT	SAT	SAT	SAT					+5 F

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447475

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



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: ABRASSIVE BLASTING ZONE 5 AREA A. 16 BLASTERS
START TIME-AM STOP TIME-PM

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 10/12/2023
QC Supervisor Signature: _____ Date: 10-12-23

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: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASSIVE BLASTING ZONE 5 AREA A

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Friday, October 13, 2023
Address: FORMER NAVAL AIR STATION MOFFETT FIELD CA.94305

Environmental Conditions:

	5:11AM	10:26AM	1:26PM	5:26PM					Specified Conditions
Time									
Dry Bulb	58.3 °F	89.9 °F	79.9 °F	70.9 °F					35-120 F
Wet Bulb	48.5 °F	68.1 °F	63.1 °F	60.1 °F					
Depression	9.8 °F	21.8 °F	16.8 °F	10.8 °F					
Relative Humidity	42.0%	26.4%	34.0%	50.7%					85%
Dew Point	35.4 °F	50.8 °F	49.1 °F	51.8 °F					
Steel temp	57.1 °F	90.4 °F	80.0 °F	70.3 °F					35-120 F
Difference	21.7 °F	39.5 °F	31.0 °F	18.5 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447475

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

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



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: ABRASSIVE BLASTING ZONE 5 AREA A. 5 BLASTERS
START TIME-5:40AM STOP TIME-7:20AM

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 10/13/2023
QC Supervisor Signature: _____ Date: 10-13-23

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Attachment 2

Tabulated PCB and Lead Confirmation Wipe Sampling Analytical Results

Validated Confirmation Wipe Sampling Results - High Occupancy Area of Zone 5

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	**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-C8W-LAT-L3-EXT-1 TO 2-230911-WF	09/11/2023	C/D	**120**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-LAT-L3-UP-C8.1-DG-230911-LA	09/11/2023	C/D	**130**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-LAT-L3-EXT-1 TO 2-230911-WF [b]	09/11/2023	C/D	**180**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-LAT-L3-EXT-1 TO 2-230911-DUP-WF	09/11/2023	C/D	**310**	--	--	--	--	--	--	--	--	--
AFRAME-C9W-LAT-L3-UP-C9.4-VS-230911-LA	09/11/2023	C/D	**210**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L3-UP-C9.7-DG-230911-LA	09/11/2023	C/D	**130**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L3-UP-C9.7-DG-230911-DUP-LA	09/11/2023	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-LAT-L3-UP-C8.6-HS-230911-LA	09/11/2023	C/D	**81**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L3-UP-C8.4-DG-230911-LA	09/11/2023	C/D	**100**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L3-UP-C8.4-DG-230911-DUP-LA	09/11/2023	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-LAT-L3-UP-C9.1-HS-230911-LA	09/11/2023	C/D	**73**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C11W-LAT-L3-EXT-0 TO 1-230911-WF [b]	09/11/2023	C/D	**230**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C11W-LAT-L3-EXT-0 TO 1-230911-DUP-WF	09/11/2023	C/D	**290**	--	--	--	--	--	--	--	--	--
AFRAME-C8W-MED-L3-DN-C8.7-DG-230911-LA	09/11/2023	C/D	**120**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L2-HS-1-230911-G	09/11/2023	C/D	**230**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L2-HS-1-230911-DUP-G	09/11/2023	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-LA	09/11/2023	C/D	**120**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-LA	09/11/2023	C/D	**270**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C10W-MED-L2-HS-1-230911-G	09/11/2023	C/D	**200**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-LAT-L2-INT-0.5 TO 1-230911-FB	09/11/2023	C/D	**73**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-FB	09/11/2023	C/D	**24**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-DUP-FB [b]	09/11/2023	C/D	**20**	--	--	--	--	--	--	--	--	--
AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-WF	09/11/2023	C/D	**130**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-I	09/11/2023	C/D	**65**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-FB	09/11/2023	C/D	**56**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-LA	09/11/2023	C/D	**39**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-DUP-LA	09/11/2023	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-FB	09/11/2023	C/D	**18**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-LA	09/11/2023	C/D	**47**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-LA	09/11/2023	C/D	**82**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-FB	09/11/2023	C/D	**97**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-DUP-FB	09/11/2023	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C11W-MED-L2-EXT-0 TO 1-230911-WF	09/11/2023	C/D	**90**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-LAT-L1-HS-3-230911-A	09/11/2023	C/D	**140**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-I	09/11/2023	C/D	**53**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-SS	09/11/2023	C/D	**49**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-SS	09/11/2023	C/D	**33**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-DUP-SS [b]	09/11/2023	C/D	**31**	--	--	--	--	--	--	--	--	--
AFRAME-C9W-LAT-L1-HS-3-230911-G	09/11/2023	C/D	**63**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L1-HS-3-230911-LA	09/11/2023	C/D	**77**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-SS	09/11/2023	C/D	**54**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C10W-MED-L1-HS-3-230911-A	09/11/2023	C/D	**61**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C10W-MED-L1-HS-3-230911-DUP-A [b]	09/11/2023	C/D	**51**	--	--	--	--	--	--	--	--	--
AFRAME-C11W-MED-L1-HS-3-230911-G	09/11/2023	C/D	**63**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-WF	09/11/2023	C/D	**110**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-FB	09/11/2023	C/D	**69**	<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 of Zone 5

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	**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-C8W-LAT-L1-UP-C8W-HS-230911-LA	09/11/2023	C/D	**110**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-FB	09/11/2023	C/D	**53**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-FB	09/11/2023	C/D	**85**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-SS	09/11/2023	C/D	**88**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-WF	09/11/2023	C/D	**120**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L1-DN-C9W-DG-230911-SS	09/11/2023	C/D	**140**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-SS	09/11/2023	C/D	**140**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-WF	10/23/2023	A/B	**490**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-DUP-WF [b]	10/23/2023	A/B	**390**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-I	10/23/2023	A/B	**210**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-FB	10/23/2023	A/B	**240**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9E-MED-L3-DN-C9.2-DG-231023-LA	10/23/2023	A/B	**180**	--	--	--	--	--	--	--	--	--
AFRAME-C10E-MED-L2-HS-1-231023-G	10/23/2023	A/B	**210**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-LAT-L2-INT-0.5 TO 1-231023-FB	10/23/2023	A/B	**200**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-LAT-L2-UP-C8.1-VS-231023-I	10/23/2023	A/B	**210**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-WF [b]	10/23/2023	A/B	**140**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-DUP-WF	10/23/2023	A/B	**190**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-LAT-L2-INT-0.5 TO 1-231023-FB	10/23/2023	A/B	**320**	--	--	--	--	--	--	--	--	--
AFRAME-C11E-MED-L2-INT-0.5 TO 1-231023-FB	10/23/2023	A/B	**270**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-MED-L2-DN-C8.2-DG-231023-LA	10/23/2023	A/B	**340**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-MED-L2-DN-C9.5-DG-231023-LA	10/23/2023	A/B	**570**	--	--	--	--	--	--	--	--	--
AFRAME-C10E-MED-L2-INT-0 TO 0.5-231023-FB	10/23/2023	A/B	**570**	--	--	--	--	--	--	--	--	--
AFRAME-C11E-MED-L2-EXT-0 TO 1-231023-WF	10/23/2023	A/B	**630**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-MED-L1-UP-C8.1-DG-231023-SS	10/23/2023	A/B	**230**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-MED-L1-EXT-2 TO 3-231023-WF	10/23/2023	A/B	**580**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-LAT-L1-INT-1 TO 2-231023-FB	10/23/2023	A/B	**530**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-LAT-L1-HS-3-231024-A	10/24/2023	A/B	**220**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-SS	10/24/2023	A/B	**120**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-LA	10/24/2023	A/B	**60**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-WF	10/24/2023	A/B	**42**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-DUP-WF [b]	10/24/2023	A/B	**41**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-MED-L2-HS-1-231024-G	10/24/2023	A/B	**51**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9E-LAT-L3-DN-C9.5-DG-231024-LA	10/24/2023	A/B	**91**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-MED-L1-UP-C8.6-DG-231024-SS	10/24/2023	A/B	**280**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-LAT-L1-HS-3-231024-A	10/24/2023	A/B	**180**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-LAT-L1-UP-C9.7-VS-231024-I	10/24/2023	A/B	**32**	--	--	--	--	--	--	--	--	--
AFRAME-C10E-LAT-L1-HS-3-231024-A	10/24/2023	A/B	**220**	--	--	--	--	--	--	--	--	--
AFRAME-C11E-MED-L1-HS-3-231024-A	10/24/2023	A/B	**180**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-MED-L1-UP-C9E-DG-231024-LA	10/24/2023	A/B	**560**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-FB [b]	10/24/2023	A/B	**95**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-DUP-FB	10/24/2023	A/B	**120**	--	--	--	--	--	--	--	--	--
AFRAME-C11E-LAT-L1-INT-1 TO 2-231024-FB	10/24/2023	A/B	**140**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-MED-L1-DN-C8.7-DG-231024-SS	10/24/2023	A/B	**36**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-MED-L1-EXT-0 TO 1-231024-WF	10/24/2023	A/B	**99**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-MED-L1-DN-C9.7-DG-231024-SS	10/24/2023	A/B	**160**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-MED-L1-DN-C9E-DG-231024-SS	10/24/2023	A/B	**110**	--	--	--	--	--	--	--	--	--

Validated Confirmation Wipe Sampling Results - High Occupancy Area of Zone 5

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	**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-C9E-MED-L3-EXT-1 TO 2-231024-WF	10/24/2023	A/B	**34**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-DUP-WF [b]	10/24/2023	A/B	**34**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-MED-L3-UP-C9.7-DG-231024-LA	10/24/2023	A/B	**130**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-MED-L3-UP-C8.4-DG-231024-LA	10/24/2023	A/B	**110**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-LAT-L3-UP-C9.1-HS-231024-LA	10/24/2023	A/B	**110**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-MED-L3-DN-C8.7-DG-231024-LA	10/24/2023	A/B	**37**	--	--	--	--	--	--	--	--	--
AFRAME-C9E-LAT-L1-UP-C9.1-VS-231024-I	10/24/2023	A/B	**26**	--	--	--	--	--	--	--	--	--
AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-LA	10/24/2023	A/B	**52**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-DUP-LA	10/24/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-LA	10/24/2023	A/B	**73**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
95-Percent UCL (High Occupancy) [c]			**194**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230911-FIELDBLANK1-HO	09/11/2023	C/D	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230911-FIELDBLANK2-HO	09/11/2023	C/D	**2.3**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230911-FIELDBLANK3-HO	09/11/2023	C/D	**1.9**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230911-MEDBLANK1-HO	09/11/2023	C/D	<0.50	--	--	--	--	--	--	--	--	--
230911-MEDBLANK2-HO	09/11/2023	C/D	<0.50	--	--	--	--	--	--	--	--	--
230911-MEDBLANK3-HO	09/11/2023	C/D	<0.50	--	--	--	--	--	--	--	--	--
231023-FIELDBLANK1-HO	10/23/2023	A/B	**1.4**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
231024-FIELDBLANK2-HO	10/24/2023	A/B	**1.0**	--	--	--	--	--	--	--	--	--
231024-FIELDBLANK3-HO	10/24/2023	A/B	**1.4**	--	--	--	--	--	--	--	--	--
231023-MEDBLANK1-HO	10/23/2023	A/B	<0.50	--	--	--	--	--	--	--	--	--
231024-MEDBLANK2-HO	10/24/2023	A/B	<0.50	--	--	--	--	--	--	--	--	--
231024-MEDBLANK3-HO	10/24/2023	A/B	<0.50	--	--	--	--	--	--	--	--	--

Acronyms and Abbreviations

NTCRA: Non-Time Critical Removal Action

PCBs: Polychlorinated Biphenyls

µg/100 cm²: micrograms per 100 square centimeters

µg/ft²: micrograms per square foot

UCL: Upper Confidence Limit

UFP-QAPP: Uniform Federal Policy Quality Assurance Project Plan

U.S. EPA: United States Environmental Protection Agency

--: Not collected/not applicable

Notes:

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

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

[b] The lower result of each duplicate sample pair collected was not included in the calculation of the 95-percent UCL. If the concentration in the duplicate samples were the same, only one result was included in the ProUCL input file.

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

Bolded values indicate constituents detected above laboratory reporting limits.

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

Attachment 3

Confirmation Sampling Analytical Reports

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

enthalpy.com

Lab Job Number:	494459
Report Level:	IV
Report Date:	12/14/2023

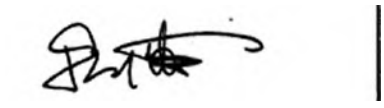
PCBs

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 #:	494459
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/23/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-P-WF	494459-003	10/23/23 08:55	Wipe
AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-P-I	494459-011	10/23/23 08:10	Wipe
AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-P-FB	494459-015	10/23/23 09:25	Wipe
231023-P-FIELDBLANK1-HO	494459-023	10/23/23 07:30	Wipe

Case Narrative
PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 494459 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/23/23

- This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 10/24/23. See attached cooler receipt form for any sample receipt problems or discrepancies.
- This report was reissued in Level 4 format on 12/14/23.

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

Chain of Custody

494459

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	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
1	~~AFRAME-C9E-LAT-L2-DN-C9.5-DG-231023-L-LA~~	~~10/23/2023~~		~~WP~~	1	--		X		
2	AFRAME-C9E-MED-L3-DN-C9.2-DG-231023-L-LA	10/23/2023	0740	WP	1	--		X		
3	AFRAME-C10E-MED-L2-HS-1-231023-L-G	10/23/2023	0750	WP	1	--		X		
4	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-P-WF	10/23/2023	0855	WP	1	--	X			
5	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-WF	10/23/2023	0855	WP	1	--		X		
6	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF	10/23/2023	0855	WP	1	--		X		
7	AFRAME-C8E-LAT-L2-INT-0.5 TO 1-231023-L-FB	10/23/2023	0845	WP	1	--		X		
8	AFRAME-C8E-LAT-L2-UP-C8.1-VS-231023-L-I	10/23/2023	0836	WP	1	--		X		
9	AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-WF	10/23/2023	0825	WP	1	--		X		
10	AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF	10/23/2023	0825	WP	1	--		X		
11	AFRAME-C9E-LAT-L2-INT-0.5 TO 1-231023-L-FB	10/23/2023	0815	WP	1	--		X		
12	AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-P-I	10/23/2023	0810	WP	1	--	X			
13	AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-L-I	10/23/2023	0810	WP	1	--		X		
14	AFRAME-C11E-LAT-L2-INT-0.5 TO 1-231023-L-FB (MEV)	10/23/2023	0800	WP	1	--		X		
15	AFRAME-C8E-MED-L2-DN-C8.2-DG-231023-L-LA	10/23/2023	0915	WP	1	--		X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michala Arnm	Rincon/Envscientist	10/23/23@ 1407
1 Received By:	Lindsay Hudson	AUDREY HUDSON	ENTHALPY	10/23/23 14:07
2 Relinquished By:	Audrey Hudson	"	"	10/23/23 16:25
2 Received By:		Jade Peterson	Enthalpy	10.23.23 16:25
3 Relinquished By:				10/23/23 ~~17:15~~ 17:16
3 Received By:		FPOW	ED	10/24/23 0911

494459

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 4

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	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
16	AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-P-FB	10/23/2023	0925	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 5 Enclosure A/B (High Occupancy)
17	AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-L-FB	10/23/2023	0925	WP	1	--		X		
18	AFRAME-C9E-MED-L2-DN-C9.5-DG-231023-L-LA	10/23/2023	0935	WP	1	--		X		
19	AFRAME-C10E-MED-L2-INT-0 TO 0.5-231023-L-FB	10/23/2023	0945	WP	1	--		X		
20	AFRAME-C11E-MED-L2-EXT-0 TO 1-231023-L-WF	10/23/2023	0950	WP	1	--		X		
21	~~AFRAME-C8E-LAT-L1-HS-3-231023-P-A~~	~~10/23/2023~~		~~WP~~	~~1~~	~~--~~	X			DW
22	~~AFRAME-C8E-LAT-L1-HS-3-231023-L-A~~	~~10/23/2023~~		~~WP~~	~~1~~			X		DW
23	AFRAME-C8E-MED-L1-UP-C8.1-DG-231023-L-SS	10/23/2023	1015	WP	1	--		X		
24	~~AFRAME-C8E-MED-L1-UP-C8.6-DG-231023-L-SS~~	~~10/23/2023~~		~~WP~~	~~1~~			X		DW
25	~~AFRAME-C9E-MED-L1-HS-3-231023-L-G~~	~~10/23/2023~~		~~WP~~	~~1~~			X		DW
26	~~AFRAME-C9E-LAT-L1-HS-3-231023-L-A~~	~~10/23/2023~~		~~WP~~	~~1~~	--		X		DW
27	~~AFRAME-C9E-LAT-L1-UP-C9.7-VS-231023-L-I~~	~~10/23/2023~~		~~WP~~	~~1~~			X		DW
28	~~AFRAME-C9E-MED-L1-UP-C9.6-DG-231023-P-SS~~	~~10/23/2023~~		~~WP~~	~~1~~	--	X			DW
29	~~AFRAME-C9E-MED-L1-UP-C9.6-DG-231023-L-SS~~	~~10/23/2023~~		~~WP~~	~~1~~			X		DW
30	~~AFRAME-C10E-LAT-L1-HS-3-231023-L-A~~	~~10/23/2023~~		~~WP~~	~~1~~			X		DW

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/ENV Scientist	10/23/23 C 1407
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/23/23 14:07
[2] Relinquished By:	Audrey Hudson	"	"	10/23/23 16:25
[2] Received By:		Jodi Peterson	Enthalpy	10.23.23 16:25
[3] Relinquished By:		Management Rep	RM	10/23/23 17:16
[3] Received By:		FedEx	EM	10/23/23 0911

494459

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	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-C11E-MED-L1-HS-3-231023-L-A~~	~~10/23/2023~~		~~WP~~	~~1~~	~~--~~		~~X~~		
32	AFRAME-C8E-MED-L1-EXT-2 TO 3-231023-L-WF	10/23/2023	1010	WP	1	--		X		
33	AFRAME-C8E-LAT-L1-INT-1 TO 2-231023-L-FB	10/23/2023	1025	WP	1	--		X		
34	~~AFRAME-C9E-MED-L1-UP-C9E-DG-231023-L-LA~~	~~10/23/2023~~		~~WP~~	~~1~~	~~--~~		~~X~~		
35	~~AFRAME-C9E-LAT-L1-INT-1 TO 2-231023-L-FB~~	~~10/23/2023~~		~~WP~~	~~1~~	~~--~~		~~X~~		
36	~~AFRAME-C9E-LAT-L1-INT-1 TO 2-231023-L-DUP-FB~~	~~10/23/2023~~		~~WP~~	~~1~~			~~X~~		
37	~~AFRAME-C11E-LAT-L1-INT-1 TO 2-231023-L-FB~~	~~10/23/2023~~		~~WP~~	~~1~~			~~X~~		
38	~~AFRAME-C8E-MED-L1-DN-C8.7-DG-231023-L-SS~~	~~10/23/2023~~		~~WP~~	~~1~~			~~X~~		
39	~~AFRAME-C9E-MED-L1-EXT-6 TO 1-231023-L-WF~~	~~10/23/2023~~		~~WP~~	~~1~~			~~X~~		
40	~~AFRAME-C9E-MED-L1-DN-C9.7-DG-231023-L-SS~~	~~10/23/2023~~		~~WP~~	~~1~~	--		~~X~~		
41	~~AFRAME-C9E-MED-L1-DN-C9E-DG-231023-L-SS~~	~~10/23/2023~~		~~WP~~	~~1~~			~~X~~		
42	231023-P-FIELDBLANK1-HO	10/23/2023	0730	WP	1	--	X			
43	231023-L-FIELDBLANK1-HO	10/23/2023	0730	WP	1	--		X		
44	231023-L-MEDBLANK1-HO	10/23/2023	1145	WP	1	--		X		
45	~~231023-L-FIELDBLANK2-HO~~	~~10/23/2023~~		~~WP~~	~~1~~	~~--~~		~~X~~		

Analysis Request

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

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 5 Enclosure A/B (High Occupancy)

DW

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michael Lakin	Rincon/ENV Scientist	10/23/23 @1407
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/23/23 14:07
2 Relinquished By:	Audrey Hudson	"	"	10/23/23 16:25
2 Received By:		Jade Peterson	Enthalpy	10.23.23 16:25
3 Relinquished By:		Manuel G.	R V	10/23/23 17:16
3 Received By:		FEDEX	ED	10/24/23 0911

494459

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
46	~~231023-L-MEDBLANK2-HO~~	10/23/2023		WP	1	--		X		DW
47	~~231023-L-FIELDBLANK3-HO~~	10/23/2023		WP	1	--		X		DW
48	~~231023-L-MEDBLANK3-HO~~	10/23/2023		WP	1	--		X		DW
49	~~C8E-LAT-L3-EXT-0 (TO 1-231023-L-WP~~	10/23/2023		WP	1	--		X		DW
50										
51										
52										
53										
54										
55										
56										
57										
58										
59										
60										

Analysis Request

Test Instructions / Comments

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

Report PCB concentrations on a 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 5 Enclosure A/B (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	10/23/23 1407
1 Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	10/23/23 17:07
2 Relinquished By:	Audrey Hudson	"	"	10/23/23 16:25
2 Received By:		Jade Peterson	Enthalpy	10.23.23 16.25
3 Relinquished By:				10/23/23 19:16
3 Received By:				10/24/23 0911

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

SAMPLE RECEIPT CHECKLIST

ENTHALPY

Section 1: General Info

Date Received: 10/23/23 Login # 494459 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

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

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

Date Opened 10/23/23 By (print)_____ (sign)_____

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

If no cooler: Sample Temp (°C): _____

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

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

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

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

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

Preservative added:

☐ H2SO4 lot#_____ added to samples_____ Date/Time_____

☐ HCL lot#_____ added to samples_____ Date/Time_____

☐ HNO3 lot#_____ added to samples_____ Date/Time_____

☐ CrVI Buffer lot#_____ added to samples_____ Date/Time_____

Section 6: Explanations / Comments

No custody seal attached.

Date Logged 10/23/23 **By (print)** MY **(sign)** _____

Date Labeled 10/23/23 **By (print)** MY **(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: 10/24/23 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: 4.4 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

Section 3

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

Cooler Temp (°C): #1: 2.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

494459

Section 6

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

Project Manager's response:

Completed By: _____ Date: OCT 24 2023

526 | OAK | 94759195 526 - 94759195

Shipper's Name and Address	Shipper's Account Number
ENTHALPY ANALYTICAL, LLC 931 W BARKLEY AVE ORANGE, CA 92868 US +1 (714) 771-6900	103977 - 1

Not Negotiable / Issued by

52694759195

Southwest Cargo

swacargo.com (800) 533-1222

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

Consignee's Name and Address	Consignee's Account Number
ENTHALPY ANALYTICAL, LLC 931 W BARKLEY AVE ORANGE, CA 92868 US +1 (714) 771-6900	103977 - 1

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage **subject to Southwest Airlines' Contract of Carriage** which is www.swacargo.com and any location where air waybills are available. **Shipper's attention is drawn to the terms of the contract which includes, among other things; (1) Limits on Carriers' liability for loss, damage, or delay of goods, including fragile or perishable goods; (2) Claim restrictions, including time within which shippers or consignees must file a claim or bring an action against the carrier for its acts or omissions or those of its agents; (3) Right of the carrier to change the terms of the contract; (4) Rules about refusal to carry; and (5) Rights of the carrier and limitations, concerning delay or failure to perform service, including schedule changes, rerouting, substitution of an alternate carrier or aircraft, or means of carriage including road unless specific contrary instructions are given hereon by shipper, and shipper agrees the shipment may be carried via intermediate stopping places the carrier deems appropriate.** Shipper may increase liability limits by declaring a higher value for carriage and paying a supplemental charge if required.

Issuing Carrier's Agent Name and City

Accounting Information

Billed on 10/23/2023 18:57 PDT SWA ACCOUNT 103977

Agent's IATA Code | Account No.

Airport of Departure (Addr. of First Carrier) and Requested Routing

OAKLAND

Service Level - S

To	By First Carrier	To	By	To	By	Currency	CHGS Code	WT.VAL PPD	WT.VAL COLL	Other PPD	Other COLL	Declared Value for Carriage	Declared Value for Customs
SNA	SOUTHWEST AIRLINES					USD	PP	X		X		NVD	

Airport of Destination	Flight Date (For Carrier Use Only)	Flight Date	Amount of Insurance
SNA	WN2937 / 23OCT		INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".

HANDLING INFORMATION -

SCI

No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Commodity Item No.	Chargeable Weight	Rate / Charge	Total	Nature and Quantity of Goods (Inc. Dimensions or Volume)
5	200	L	N	0000	200	As Agreed	*******	SOIL/WATER/AIR SAMPLES DIMS IN INCHES: 2 = 24 X 15 X 14 1 = 20 X 20 X 17 1 = 9 X 9 X 13 1 = 18 X 10 X 13
5	200						*******	

Berk @ 9:41

Prepaid	Weight Charge	Collect
	*******	

Valuation Charge: *******

Tax: *******

Other Charges and Description

MYC 0.00 SCC 0.00

Total Other Charges Due Agent

Total Other Charges Due Carrier

****

Shipper certifies that the particulars on the face hereof are correct and that **insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations.** I consent that this shipment shall be subject to search by the Carrier.

REBECCA BETANCOURT

Signature of Shipper or his Agent

Total Prepaid	Total Collect
*******	

Currency Conversion Rates	CC Charges in Dest.Currency	Executed on (date and time)	At (place)	Signature of Issuing Carrier or its Agent
		10/23/2023 18:57 PDT	OAK	E39474

For Carriers Use only at Destination	Charges at Destination	Total Collect Charges

526 - 94759195

ORIGINAL 1 (FOR ISSUING CARRIER)

2.7 /4.4

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 494459 **Project#:** 20-10491

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

Field ID: AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-P-WF **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 8082

Lab ID: 494459-003 **Received:** 10/23/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

DiIn Fac: 1.000 **Analyzed:** 10/26/23

494459-003 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

494459-003 Surrogate	%REC	Limits
TCMX (PCB)	69	19-121
Decachlorobiphenyl (PCB)	58	19-121

Field ID: AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-P-I **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 8082

Lab ID: 494459-011 **Received:** 10/23/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

DiIn Fac: 1.000 **Analyzed:** 10/26/23

494459-011 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

494459-011 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	55	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 494459 **Project#:** 20-10491

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

Field ID: AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-P-FB **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 8082

Lab ID: 494459-015 **Received:** 10/23/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

Diln Fac: 1.000 **Analyzed:** 10/26/23

494459-015 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

494459-015 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	57	19-121

Field ID: 231023-P-FIELDBLANK1-HO **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 8082

Lab ID: 494459-023 **Received:** 10/23/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

Diln Fac: 1.000 **Analyzed:** 10/26/23

494459-023 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

494459-023 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	65	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 494459 **Project#:** 20-10491

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

Type: BLANK **Batch#:** 325199 **Analysis:** EPA 8082

Lab ID: QC1102661 **Prepared:** 10/25/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/23

Dil'n Fac: 1.000 **Prep:** EPA 3546

QC1102661 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1102661 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	54	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 494459 **Project#:** 20-10491

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

Type: BS **Batch#:** 325199 **Analysis:** EPA 8082

Lab ID: QC1102662 **Prepared:** 10/25/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/23

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

QC1102662 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.369	87	60-140	ug/100 cm2
Aroclor-1260	5.000	4.283	86	60-140	ug/100 cm2

QC1102662 Surrogate	%REC	Limits
TCMX (PCB)	75	19-121
Decachlorobiphenyl (PCB)	66	19-121

Type: BSD **Batch#:** 325199 **Analysis:** EPA 8082

Lab ID: QC1102663 **Prepared:** 10/25/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/23

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

QC1102663 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.283	86	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	4.061	81	60-140	ug/100 cm2	5	20

QC1102663 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	67	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 494459 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_101623018	453416704018		16-OCT-2023 14:23	S18455
L2	gc06_101623019	453416704019		16-OCT-2023 14:42	S18456
L3	gc06_101623020	453416704020		16-OCT-2023 15:01	S18457
L4	gc06_101623021	453416704021		16-OCT-2023 15:21	S18458
L5	gc06_101623022	453416704022		16-OCT-2023 15:41	S18459
L6	gc06_101623023	453416704023		16-OCT-2023 16:01	S18460
L7	gc06_101623024	453416704024		16-OCT-2023 16:20	S18461
L8	gc06_101623025	453416704025		16-OCT-2023 16:39	S18462
L9	gc06_101623026	453416704026		16-OCT-2023 16:58	S18463

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		46.0673		0.0217	17	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		22.9521		0.0436	20	8	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.9656		0.0527	17	8	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.6567		0.0349	19	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		31.8452		0.0314	20	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.5374		0.0605	13	6	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.6130		0.0942	17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.1070		0.0989	18	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.2272		0.0520	12	8	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0678		0.0664	15	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.78380		1.2758	11	8	.99	20	
TCMX (PCB)	A	AVRG		1.00493		0.9951	18	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		54.0714		0.0185	14	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.9097		0.0386	14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.4712		0.0514	16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.9845		0.0345	18	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		35.0838		0.0285	13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		18.8855		0.0530	16	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		15.6531		0.0639	17	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		12.2793		0.0814	12	6	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.1977		0.0495	11	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.6280		0.0734	8	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.87103		1.1481	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.06367		0.9401	12	9	.99	20	

ENTHALPY INITIAL CALIBRATION FOR 494459 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

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

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	0.0286	0.0258	0.0232	0.0226	0.0210	0.0201	0.0190	0.0177	0.0174
Aroclor-1016 Peak # 2	A	0.0596	0.0507	0.0472	0.0431	0.0397	0.0374	0.0365	0.0343	
Aroclor-1016 Peak # 3	A		0.0706	0.0593	0.0559	0.0516	0.0459	0.0470	0.0461	0.0455
Aroclor-1016 Peak # 4	A	0.0475	0.0409	0.0382	0.0348	0.0321	0.0352	0.0297	0.0280	0.0277
Aroclor-1016 Peak # 5	A	0.0435	0.0376	0.0351	0.0319	0.0295	0.0256	0.0275	0.0261	0.0258
Aroclor-1260 Peak # 1	A		0.0718	0.0662	0.0628	0.0566	0.0518	0.0536		
Aroclor-1260 Peak # 2	A	0.1225	0.1096	0.1017	0.0938	0.0857	0.0802	0.0818	0.0785	
Aroclor-1260 Peak # 3	A	0.1354	0.1126	0.1053	0.0967	0.0883	0.0845	0.0854	0.0833	
Aroclor-1260 Peak # 4	A		0.0627	0.0596	0.0552	0.0501	0.0458	0.0483	0.0471	0.0472
Aroclor-1260 Peak # 5	A	0.0870	0.0754	0.0745	0.0647	0.0583	0.0599	0.0577	0.0592	0.0605
Decachlorobiphenyl (PCB)	A		1.5108	1.2989	1.4029	1.3562	1.2173	1.1371	1.1496	1.1338
TCMX (PCB)	A	1.3501	1.1088	1.0150	1.1486	0.8786	0.8887	0.8727	0.8364	0.8569
Aroclor-1016 Peak # 1	B	0.0240	0.0205	0.0190	0.0186	0.0177	0.0178	0.0169	0.0158	0.0161
Aroclor-1016 Peak # 2	B	0.0502	0.0431	0.0405	0.0394	0.0371	0.0347	0.0352	0.0334	0.0337
Aroclor-1016 Peak # 3	B	0.0710	0.0577	0.0530	0.0498	0.0473	0.0454	0.0465	0.0449	0.0467
Aroclor-1016 Peak # 4	B	0.0467	0.0394	0.0364	0.0357	0.0336	0.0240	0.0324	0.0310	0.0313
Aroclor-1016 Peak # 5	B	0.0369	0.0317	0.0298	0.0284	0.0270	0.0254	0.0264	0.0253	0.0256
Aroclor-1260 Peak # 1	B	0.0719	0.0586	0.0552	0.0526	0.0494	0.0465	0.0478	0.0467	0.0478
Aroclor-1260 Peak # 2	B	0.0886	0.0713	0.0665	0.0631	0.0587	0.0552	0.0571	0.0565	0.0579
Aroclor-1260 Peak # 3	B	0.0997	0.0847	0.0802	0.0783	0.0751	0.0706			
Aroclor-1260 Peak # 4	B	0.0625	0.0504	0.0492	0.0495	0.0467	0.0432	0.0468	0.0476	0.0496
Aroclor-1260 Peak # 5	B	0.0879	0.0744	0.0743	0.0727	0.0690	0.0658	0.0707	0.0714	0.0742
Decachlorobiphenyl (PCB)	B	1.5611	1.1854	1.0694	1.1996	1.1911	1.0469	0.9946	1.0403	1.0441
TCMX (PCB)	B	1.1483	0.9750	0.9083	1.1058	0.8540	0.8950	0.8686	0.8341	0.8722

ENTHALPY INITIAL CALIBRATION FOR 494459 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
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	32	50.000	19	100.00	7	250.00	4	500.00	-3	749.91	-8	1000.0	-13	1500.0	-19
Aroclor-1016 Peak # 2	A	20.000	37	50.000	16	100.00	8	250.00	-1	500.00	-9	749.91	-14	1000.0	-16	1500.0	**-21**
Aroclor-1016 Peak # 3	A			50.000	34	100.00	12	250.00	6	500.00	-2	749.91	-13	1000.0	-11	1500.0	-13
Aroclor-1016 Peak # 4	A	20.000	36	50.000	17	100.00	9	250.00	0	500.00	-8	749.91	1	1000.0	-15	1500.0	-20
Aroclor-1016 Peak # 5	A	20.000	39	50.000	20	100.00	12	250.00	2	500.00	-6	749.91	-19	1000.0	-12	1500.0	-17
Aroclor-1260 Peak # 1	A			50.000	19	100.00	10	250.00	4	500.00	-6	749.91	-14	1000.0	-11		
Aroclor-1260 Peak # 2	A	20.000	30	50.000	16	100.00	8	250.00	0	500.00	-9	749.91	-15	1000.0	-13	1500.0	-17
Aroclor-1260 Peak # 3	A	20.000	37	50.000	14	100.00	6	250.00	-2	500.00	-11	749.91	-15	1000.0	-14	1500.0	-16
Aroclor-1260 Peak # 4	A			50.000	21	100.00	15	250.00	6	500.00	-4	749.91	-12	1000.0	-7	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	31	50.000	14	100.00	12	250.00	-2	500.00	-12	749.91	-10	1000.0	-13	1500.0	-11
Decachlorobiphenyl (PCB)	A			4.0000	18	8.0000	2	20.000	10	40.000	6	59.993	-5	80.000	-11	120.00	-10
TCMX (PCB)	A	1.6000	36	4.0000	11	8.0000	2	20.000	15	40.000	-12	59.993	-11	80.000	-12	120.00	-16
Aroclor-1016 Peak # 1	B	20.000	30	50.000	11	100.00	3	250.00	1	500.00	-4	749.91	-4	1000.0	-9	1500.0	-15
Aroclor-1016 Peak # 2	B	20.000	30	50.000	12	100.00	5	250.00	2	500.00	-4	749.91	-10	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 3	B	20.000	38	50.000	12	100.00	3	250.00	-3	500.00	-8	749.91	-12	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 4	B	20.000	35	50.000	14	100.00	5	250.00	4	500.00	-3	749.91	**-30**	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 5	B	20.000	29	50.000	11	100.00	5	250.00	0	500.00	-5	749.91	-11	1000.0	-8	1500.0	-11
Aroclor-1260 Peak # 1	B	20.000	36	50.000	11	100.00	4	250.00	-1	500.00	-7	749.91	-12	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 2	B	20.000	39	50.000	12	100.00	4	250.00	-1	500.00	-8	749.91	-14	1000.0	-11	1500.0	-12
Aroclor-1260 Peak # 3	B	20.000	22	50.000	4	100.00	-1	250.00	-4	500.00	-8	749.91	-13				
Aroclor-1260 Peak # 4	B	20.000	26	50.000	2	100.00	-1	250.00	0	500.00	-6	749.91	-13	1000.0	-6	1500.0	-4
Aroclor-1260 Peak # 5	B	20.000	20	50.000	1	100.00	1	250.00	-1	500.00	-6	749.91	-10	1000.0	-4	1500.0	-3
Decachlorobiphenyl (PCB)	B	1.6000	36	4.0000	3	8.0000	-7	20.000	4	40.000	4	59.993	-9	80.000	-13	120.00	-9
TCMX (PCB)	B	1.6000	22	4.0000	4	8.0000	-3	20.000	18	40.000	-9	59.993	-5	80.000	-8	120.00	-11

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-20
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	-18
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A	2000.0	-9
Aroclor-1260 Peak # 5	A	2000.0	-9
Decachlorobiphenyl (PCB)	A	160.00	-11
TCMX (PCB)	A	160.00	-14
Aroclor-1016 Peak # 1	B	2000.0	-13
Aroclor-1016 Peak # 2	B	2000.0	-13
Aroclor-1016 Peak # 3	B	2000.0	-9
Aroclor-1016 Peak # 4	B	2000.0	-9
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B	2000.0	0
Aroclor-1260 Peak # 5	B	2000.0	1
Decachlorobiphenyl (PCB)	B	160.00	-9
TCMX (PCB)	B	160.00	-7

TRN 10/16/23 : Manually integrated for coeluting peak, negative/tailing peak, automatic draw baseline for one/both columns on multiple levels

Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 494459 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_101623_1
Calnum:	453416704002	Cal Date:	16-OCT-2023

- ICV 453416704028 (gc06_101623028 16-OCT-2023) stds: S18851

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	528.6	ug/L	6	15	
Aroclor-1260	A	500.0	553.9	ug/L	11	15	
Aroclor-1016	B	500.0	546.6	ug/L	9	15	
Aroclor-1260	B	500.0	562.8	ug/L	13	15	

-

Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

ENTHALPY CONTINUING CALIBRATION FOR 494459 PCBS Wipe
EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453431278004	File:	gc06_102623004	Time:	26-OCT-2023 12:37
Cal:	453416704002	Caldate:	16-OCT-2023		

Standards: S19183

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	424.3	ug/L	-15	15	0.0000	
Aroclor-1260	A			500.0	455.2	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2758	1.0904	40.00	34.18	ug/L	-15	15	0.0000	
TCMX (PCB)	A	0.9951	0.8397	40.00	33.75	ug/L	**-16**	15	0.0000	c-
Aroclor-1016	B			500.0	428.3	ug/L	-14	15	0.0000	
Aroclor-1260	B			500.0	452.7	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1481	0.8678	40.00	30.24	ug/L	**-24**	15	0.0000	c-
TCMX (PCB)	B	0.9401	0.8138	40.00	34.62	ug/L	-13	15	0.0000	

ISTD (ICAL gc06_101623019)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10693236	9973447	-6.73
1-bromo-2-nitrobenzene (PCB)	A	3667875	3468805	-5.43

10/26/23 : 500 PPB PCB CCV

TRN 10/26/23 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

TRN 10/26/23 [Aroclor-1016 A]: Corrected baseline noise or negative peak for Ch. A.

-=low bias c=CCV

Analyst: TRN 10/26/23 **Reviewer:** MTS 10/27/23

Enthalpy Internal Standard Summary for Sequence 453431278

Date:	10/26/23	Reference:	gc06_101623019
Sequence:	SVOA-GC06 gc06_102623	Analyzed:	10/16/23 14:42

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	10693236	3667875
		LOWER LIMIT	5346618	1833938
		UPPER LIMIT	21386471	7335751
004	CCV		9973447	3468805

Enthalpy Internal Standard Summary for Sequence 453431278

Date: 10/26/23 Reference: gc06_102623004
Sequence: SVOA-GC06 gc06_102623 Analyzed: 10/26/23 12:37

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	9973447	3468805
		LOWER LIMIT	4986724	1734402
		UPPER LIMIT	19946895	6937610
012	SAMPLE	494585-001	10865058	3862875
013	MSS	494585-002	13776774	4764250
014	SAMPLE	494585-003	16816656	5895226
015	BLANK	QC1102614	12839877	4511596
016	LCS	QC1102721	13598315	4787472
017	MS	QC1102722	10495280	3667985
018	MSD	QC1102723	11258578	3976884
019	BLANK	QC1102661	8901335	2309078
020	BS	QC1102662	12642161	3291895
021	BSD	QC1102663	13548882	3654315
022	SAMPLE	494459-003	10017555	2711402
023	SAMPLE	494459-011	12748352	3340121
024	SAMPLE	494459-015	13324070	3438653
025	SAMPLE	494459-023	12666296	3268638
026	SAMPLE	494537-002	13694202	3583678
027	SAMPLE	494537-007	11714027	3026482
028	SAMPLE	494537-022	14413615	3678034
029	SAMPLE	494537-026	13378654	3564919
030	SAMPLE	494537-029	12510067	3373936
031	SAMPLE	494548-001	12183210	3418011
032	SAMPLE	494548-002	12582513	3499102
033	SAMPLE	494548-004	12513020	3374490

Enthalpy Internal Standard Summary for Sequence 453431278

Date:	10/26/23	Reference:	gc06_102623004
Sequence:	SVOA-GC06 gc06_102623	Analyzed:	10/26/23 12:37

#	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	4.16	3.96
		LOWER LIMIT	3.96	3.76
		UPPER LIMIT	4.36	4.16
012	SAMPLE	494585-001	4.16	3.96
013	MSS	494585-002	4.16	3.96
014	SAMPLE	494585-003	4.16	3.96
015	BLANK	QC1102614	4.16	3.96
016	LCS	QC1102721	4.16	3.96
017	MS	QC1102722	4.16	3.96
018	MSD	QC1102723	4.16	3.96
019	BLANK	QC1102661	4.16	3.96
020	BS	QC1102662	4.16	3.96
021	BSD	QC1102663	4.16	3.96
022	SAMPLE	494459-003	4.16	3.96
023	SAMPLE	494459-011	4.16	3.96
024	SAMPLE	494459-015	4.16	3.96
025	SAMPLE	494459-023	4.16	3.96
026	SAMPLE	494537-002	4.16	3.96
027	SAMPLE	494537-007	4.16	3.96
028	SAMPLE	494537-022	4.16	3.96
029	SAMPLE	494537-026	4.16	3.96
030	SAMPLE	494537-029	4.15	3.96
031	SAMPLE	494548-001	4.15	3.96
032	SAMPLE	494548-002	4.15	3.96
033	SAMPLE	494548-004	4.16	3.96

Instrument: SVOA-GC06 Begun: 10/16/23 09:04
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_101623002	PEM				10/16/23 09:04	1.0	1	
003	gc06_101623003	CCV				10/16/23 09:22	1.0	2	ac
004	gc06_101623004	XCCV				10/16/23 09:41	1.0	3	
006	gc06_101623006	ICAL				10/16/23 10:34	1.0	4	
007	gc06_101623007	ICAL				10/16/23 10:53	1.0	5	
008	gc06_101623008	ICAL				10/16/23 11:11	1.0	6	
009	gc06_101623009	ICAL				10/16/23 11:31	1.0	7	
010	gc06_101623010	ICAL				10/16/23 11:50	1.0	8	
011	gc06_101623011	ICAL				10/16/23 12:09	1.0	9	
012	gc06_101623012	ICAL				10/16/23 12:29	1.0	10	
013	gc06_101623013	ICAL				10/16/23 12:48	1.0	11	
015	gc06_101623015	ICV				10/16/23 13:26	1.0	12	
017	gc06_101623017	ICAL				10/16/23 14:04	1.0	13	
018	gc06_101623018	ICAL				10/16/23 14:23	1.0	14	
019	gc06_101623019	ICAL				10/16/23 14:42	1.0	15	
020	gc06_101623020	ICAL				10/16/23 15:01	1.0	16	
021	gc06_101623021	ICAL				10/16/23 15:21	1.0	17	
022	gc06_101623022	ICAL				10/16/23 15:41	1.0	18	
023	gc06_101623023	ICAL				10/16/23 16:01	1.0	19	
024	gc06_101623024	ICAL				10/16/23 16:20	1.0	20	
025	gc06_101623025	ICAL				10/16/23 16:39	1.0	21	
026	gc06_101623026	ICAL				10/16/23 16:58	1.0	22	
028	gc06_101623028	ICV/CCV				10/16/23 17:36	1.0	23	
030	gc06_101623030	PEM				10/16/23 18:15	1.0	1	
031	gc06_101623031	CCV				10/16/23 18:33	1.0	2	
038	gc06_101623038	BLANK	QC1100551	Water	324521	10/16/23 20:46	1.0	24	
039	gc06_101623039	BS	QC1100552	Water	324521	10/16/23 21:05	1.0	24	
040	gc06_101623040	BSD	QC1100553	Water	324521	10/16/23 21:25	1.0	24	
041	gc06_101623041	BS	QC1100554	Water	324521	10/16/23 21:44	1.0	24	
042	gc06_101623042	BSD	QC1100555	Water	324521	10/16/23 22:03	1.0	24	
043	gc06_101623043	SAMPLE	493861-001	Water	324521	10/16/23 22:22	1.0	24	
044	gc06_101623044	SAMPLE	493928-008	Water	324521	10/16/23 22:41	1.0	24	
045	gc06_101623045	SAMPLE	493928-015	Water	324521	10/16/23 23:00	1.0	24	
046	gc06_101623046	SAMPLE	493952-004	Water	324521	10/16/23 23:19	1.0	24	
047	gc06_101623047	BLANK	QC1100592	Soil	324543	10/16/23 23:38	1.0	24	
048	gc06_101623048	LCS	QC1100593	Soil	324543	10/16/23 23:56	1.0	24	
049	gc06_101623049	MS	QC1100594	Soil	324543	10/17/23 00:16	1.0	24	
050	gc06_101623050	MSD	QC1100595	Soil	324543	10/17/23 00:36	1.0	24	
051	gc06_101623051	LCS	QC1100596	Soil	324543	10/17/23 00:55	1.0	24	
052	gc06_101623052	MS	QC1100597	Soil	324543	10/17/23 01:14	1.0	24	
053	gc06_101623053	MSD	QC1100598	Soil	324543	10/17/23 01:33	1.0	24	
054	gc06_101623054	MSS	493672-001	Soil	324543	10/17/23 01:53	1.0	24	
055	gc06_101623055	SAMPLE	493672-002	Soil	324543	10/17/23 02:12	1.0	24	
056	gc06_101623056	SAMPLE	493672-003	Soil	324543	10/17/23 02:31	1.0	24	
057	gc06_101623057	SAMPLE	493672-004	Soil	324543	10/17/23 02:50	1.0	24	
058	gc06_101623058	MSS	493814-001	Soil	324543	10/17/23 03:10	1.0	24	
059	gc06_101623059	BLANK	QC1100506	Soil	324509	10/17/23 03:29	1.0	24	
060	gc06_101623060	LCS	QC1100507	Soil	324509	10/17/23 03:49	1.0	24	
061	gc06_101623061	MS	QC1100508	Soil	324509	10/17/23 04:07	1.0	24	
062	gc06_101623062	MSD	QC1100509	Soil	324509	10/17/23 04:26	1.0	24	
063	gc06_101623063	MSS	493928-014	Soil	324509	10/17/23 04:45	1.0	24	
064	gc06_101623064	SAMPLE	493928-002	Soil	324509	10/17/23 05:05	1.0	24	
065	gc06_101623065	SAMPLE	493928-003	Soil	324509	10/17/23 05:24	1.0	24	
066	gc06_101623066	SAMPLE	493928-004	Soil	324509	10/17/23 05:43	1.0	24	
067	gc06_101623067	SAMPLE	493928-005	Soil	324509	10/17/23 06:02	1.0	24	

Enthalpy Sequence Summary for Sequence 453416704

Instrument: SVOA-GC06 Begun: 10/16/23 09:04
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
068	gc06_101623068	SAMPLE	493928-006	Soil	324509	10/17/23 06:21	1.0	24	

TRN 10/16/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 28.

MES 10/17/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 30 through 68.

ac=average CCV drift out

Standards Used:
1=S18897 2=S19020 3=S19183 4=S19008 5=S19009 6=S19010 7=S19011 8=S19013 9=S19014 10=S19015 11=S19016 12=S19019 13=S18454 14=S18455 15=S18456 16=S18457 17=S18458 18=S18459 19=S18460 20=S18461 21=S18462 22=S18463 23=S18851 24=S18370

Enthalpy Sequence Summary for Sequence 453431278

Instrument: SVOA-GC06 Begun: 10/26/23 11:58
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_102623002	PEM				10/26/23 11:58	1.0	1
003	gc06_102623003	CCV				10/26/23 12:18	1.0	2
004	gc06_102623004	CCV				10/26/23 12:37	1.0	3
012	gc06_102623012	SAMPLE	494585-001	Soil	325163	10/26/23 15:46	1.0	4
013	gc06_102623013	MSS	494585-002	Soil	325163	10/26/23 16:05	1.0	4
014	gc06_102623014	SAMPLE	494585-003	Soil	325163	10/26/23 16:24	1.0	4
015	gc06_102623015	BLANK	QC1102614	Soil	325163	10/26/23 16:44	1.0	4
016	gc06_102623016	LCS	QC1102721	Soil	325163	10/26/23 17:04	1.0	4
017	gc06_102623017	MS	QC1102722	Soil	325163	10/26/23 17:23	1.0	4
018	gc06_102623018	MSD	QC1102723	Soil	325163	10/26/23 17:44	1.0	4
019	gc06_102623019	BLANK	QC1102661	Wipe	325199	10/26/23 18:03	1.0	4
020	gc06_102623020	BS	QC1102662	Wipe	325199	10/26/23 18:22	1.0	4
021	gc06_102623021	BSD	QC1102663	Wipe	325199	10/26/23 18:42	1.0	4
022	gc06_102623022	SAMPLE	494459-003	Wipe	325199	10/26/23 19:02	1.0	4
023	gc06_102623023	SAMPLE	494459-011	Wipe	325199	10/26/23 19:21	1.0	4
024	gc06_102623024	SAMPLE	494459-015	Wipe	325199	10/26/23 19:41	1.0	4
025	gc06_102623025	SAMPLE	494459-023	Wipe	325199	10/26/23 20:00	1.0	4
026	gc06_102623026	SAMPLE	494537-002	Wipe	325199	10/26/23 20:20	1.0	4
027	gc06_102623027	SAMPLE	494537-007	Wipe	325199	10/26/23 20:40	1.0	4
028	gc06_102623028	SAMPLE	494537-022	Wipe	325199	10/26/23 21:00	1.0	4
029	gc06_102623029	SAMPLE	494537-026	Wipe	325199	10/26/23 21:20	1.0	4
030	gc06_102623030	SAMPLE	494537-029	Wipe	325199	10/26/23 21:39	1.0	4
031	gc06_102623031	SAMPLE	494548-001	Wipe	325199	10/26/23 21:58	1.0	4
032	gc06_102623032	SAMPLE	494548-002	Wipe	325199	10/26/23 22:18	1.0	4
033	gc06_102623033	SAMPLE	494548-004	Wipe	325199	10/26/23 22:38	1.0	4

TRN 10/27/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 33.

Standards Used:
1=S18897 2=S19020 3=S19183 4=S18370

SAMPLE PREPARATION SUMMARY

Batch #:	325199	Method:	3546	Analysis:	8080
Started By:	JAM	Prep Date:	25-OCT-2023 16:58	Finished By:	JAM

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S19261	Spike S19176	Analysis
494459-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494459-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494459-015	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494459-023	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494537-002	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494537-007	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494537-022	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494537-026	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494537-029	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494548-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494548-002	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494548-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
QC1102661 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1102662 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1102663 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080

Analyst: TRN 10/27/23

Reviewer: MTS 10/27/23

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipe Date/Time: 10/25/23 16:58 Initials: JAM

Hotblock ID: N/A Therm Loc: N/A Therm ID/CF: ____/____ 608.3 QC Batch#: ____

Hotblock Temp (Obs/Corr), °C: N/A / ____ 8081 QC Batch #: ____

Balance ID: N/A Microdispenser ID: Syringe 8082 QC Batch #: 325199

Extraction Start Time*: 17:25 Extraction end time*: 18:14

* 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	MICO2-9	TV07	10.0		
LCS		↓		-10	↓	↓		
LCSD		↓		-11	↓	↓		
494459-3	A	↓		-12	↓	↓		
-11	↓	↓		-13	↓	↓		
-15	↓	↓		-14	↓	↓		
-23	↓	↓		-15	TV05	↓		
494537-2	↓	↓		-16	↓	↓		
-7	↓	↓		-17	↓	↓		
-22	↓	↓		-18	↓	↓		
-26	↓	↓		-19	↓	↓		
-29	↓	↓		-20	↓	↓		
494548-1	↓	↓		-21	TV06	↓		
-2	↓	↓		-22	↓	↓		
-4	↓	↓		-23	↓	↓		

Methylene Chloride Lot: ____

Exchange Solvent (Hexane) ID: 519078

Acetone-Hexane Mix ID: ____

Sodium Sulfate Lot: 223704

Baked Sand Lot: N/A

Surrogate ID: 519261 B Volume: 500 µL

Pest LCS Spike ID: ____ Volume: ____ µL

PCB LCS Spike ID: 519176 C Volume: 500 µL

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

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

REPORTING SUMMARY FOR 494459 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
494459-003	Aroclor-1016	SVOA-GC06	B	10/26/23 19:02
494459-003	Aroclor-1221	SVOA-GC06	B	10/26/23 19:02
494459-003	Aroclor-1232	SVOA-GC06	B	10/26/23 19:02
494459-003	Aroclor-1242	SVOA-GC06	B	10/26/23 19:02
494459-003	Aroclor-1248	SVOA-GC06	B	10/26/23 19:02
494459-003	Aroclor-1254	SVOA-GC06	B	10/26/23 19:02
494459-003	Aroclor-1260	SVOA-GC06	B	10/26/23 19:02
494459-003	Aroclor-1262	SVOA-GC06	B	10/26/23 19:02
494459-003	Aroclor-1268	SVOA-GC06	B	10/26/23 19:02
494459-003	TCMX (PCB)	SVOA-GC06	B	10/26/23 19:02
494459-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 19:02
494459-011	Aroclor-1016	SVOA-GC06	B	10/26/23 19:21
494459-011	Aroclor-1221	SVOA-GC06	B	10/26/23 19:21
494459-011	Aroclor-1232	SVOA-GC06	B	10/26/23 19:21
494459-011	Aroclor-1242	SVOA-GC06	B	10/26/23 19:21
494459-011	Aroclor-1248	SVOA-GC06	B	10/26/23 19:21
494459-011	Aroclor-1254	SVOA-GC06	B	10/26/23 19:21
494459-011	Aroclor-1260	SVOA-GC06	B	10/26/23 19:21
494459-011	Aroclor-1262	SVOA-GC06	B	10/26/23 19:21
494459-011	Aroclor-1268	SVOA-GC06	B	10/26/23 19:21
494459-011	TCMX (PCB)	SVOA-GC06	B	10/26/23 19:21
494459-011	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 19:21
494459-015	Aroclor-1016	SVOA-GC06	B	10/26/23 19:41
494459-015	Aroclor-1221	SVOA-GC06	B	10/26/23 19:41
494459-015	Aroclor-1232	SVOA-GC06	B	10/26/23 19:41
494459-015	Aroclor-1242	SVOA-GC06	B	10/26/23 19:41
494459-015	Aroclor-1248	SVOA-GC06	B	10/26/23 19:41
494459-015	Aroclor-1254	SVOA-GC06	B	10/26/23 19:41
494459-015	Aroclor-1260	SVOA-GC06	B	10/26/23 19:41
494459-015	Aroclor-1262	SVOA-GC06	B	10/26/23 19:41
494459-015	Aroclor-1268	SVOA-GC06	B	10/26/23 19:41

REPORTING SUMMARY FOR 494459 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
494459-015	TCMX (PCB)	SVOA-GC06	B	10/26/23 19:41
494459-015	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 19:41
494459-023	Aroclor-1016	SVOA-GC06	B	10/26/23 20:00
494459-023	Aroclor-1221	SVOA-GC06	B	10/26/23 20:00
494459-023	Aroclor-1232	SVOA-GC06	B	10/26/23 20:00
494459-023	Aroclor-1242	SVOA-GC06	B	10/26/23 20:00
494459-023	Aroclor-1248	SVOA-GC06	B	10/26/23 20:00
494459-023	Aroclor-1254	SVOA-GC06	B	10/26/23 20:00
494459-023	Aroclor-1260	SVOA-GC06	B	10/26/23 20:00
494459-023	Aroclor-1262	SVOA-GC06	B	10/26/23 20:00
494459-023	Aroclor-1268	SVOA-GC06	B	10/26/23 20:00
494459-023	TCMX (PCB)	SVOA-GC06	B	10/26/23 20:00
494459-023	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 20:00
QC1102661	Aroclor-1016	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1221	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1232	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1242	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1248	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1254	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1260	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1262	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1268	SVOA-GC06	B	10/26/23 18:03
QC1102661	TCMX (PCB)	SVOA-GC06	B	10/26/23 18:03
QC1102661	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 18:03
QC1102662	Aroclor-1016	SVOA-GC06	B	10/26/23 18:22
QC1102662	Aroclor-1260	SVOA-GC06	B	10/26/23 18:22
QC1102662	TCMX (PCB)	SVOA-GC06	B	10/26/23 18:22
QC1102662	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 18:22
QC1102663	Aroclor-1016	SVOA-GC06	B	10/26/23 18:42

REPORTING SUMMARY FOR 494459 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1102663	Aroclor-1260	SVOA-GC06	B	10/26/23 18:42
QC1102663	TCMX (PCB)	SVOA-GC06	B	10/26/23 18:42
QC1102663	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 18:42

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	494459-003	Client ID:	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-P-WF
Seqnum:	453431278022	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_102623022	Batch:	325199	Time:	26-OCT-2023 19:02
Cal:	453416704002	Caldate:	16-OCT-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	71.96	~~0.72~~ ~~FP~~	1.8	88%	0.50		x u
Aroclor-1016 Peak # 1	B	142.8	1.43	0.62	79%			
Aroclor-1016 Peak # 2	B	44.83	0.45	0.36	22%			
Aroclor-1016 Peak # 3	B	89.00	0.89	5.83	147%			
Aroclor-1016 Peak # 4	B	0.4119	0.00	2.17	199%			
Aroclor-1016 Peak # 5	B	82.82	0.83	0.26	105%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	32.51	ND	0.57	55%	0.50		u
Aroclor-1260 Peak # 1	B	104.9	1.05	0.56	61%			
Aroclor-1260 Peak # 2	B	3.201	0.03	0.01	133%			
Aroclor-1260 Peak # 3	B	9.471	0.09	0.00	187%			
Aroclor-1260 Peak # 4	B	29.18	0.29	0.97	108%			
Aroclor-1260 Peak # 5	B	15.76	0.16	1.31	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	34.28	0.5000	0.3428	69	19-121	u
Decachlorobiphenyl (PCB)	B	28.91	0.5000	0.2891	58	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_102623004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	10017555	0.44
1-bromo-2-nitrobenzene (PCB)	A	3468805	2711402	-21.83

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_102623004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

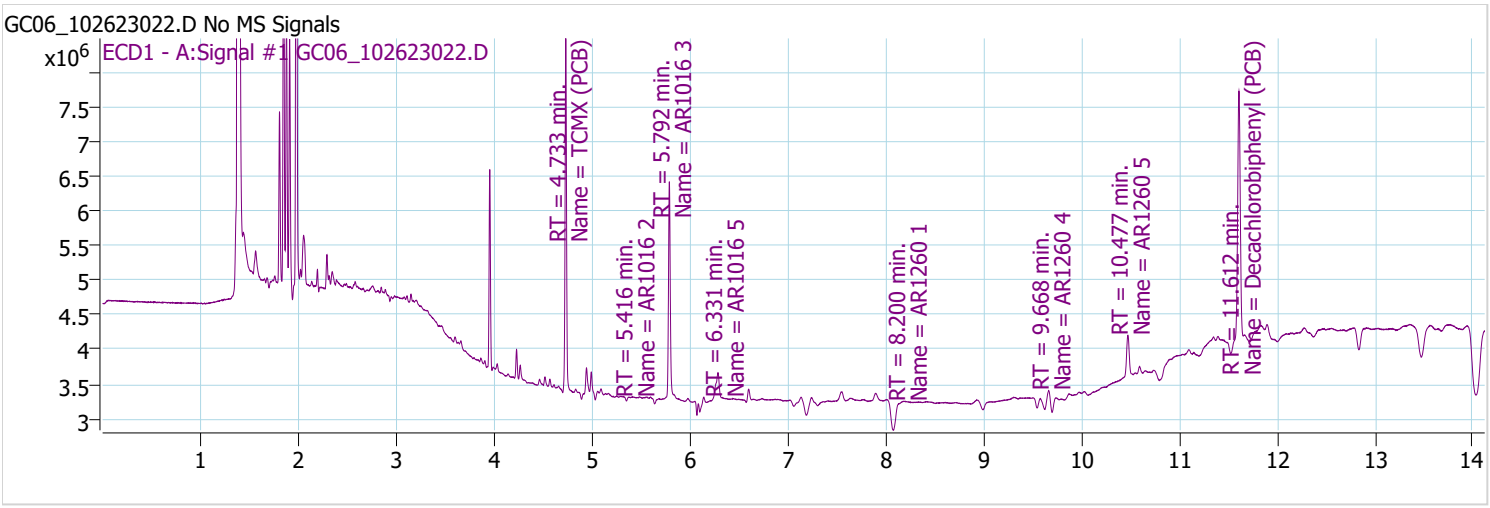
10/27/23 : WIPE/1DM^2-10ML

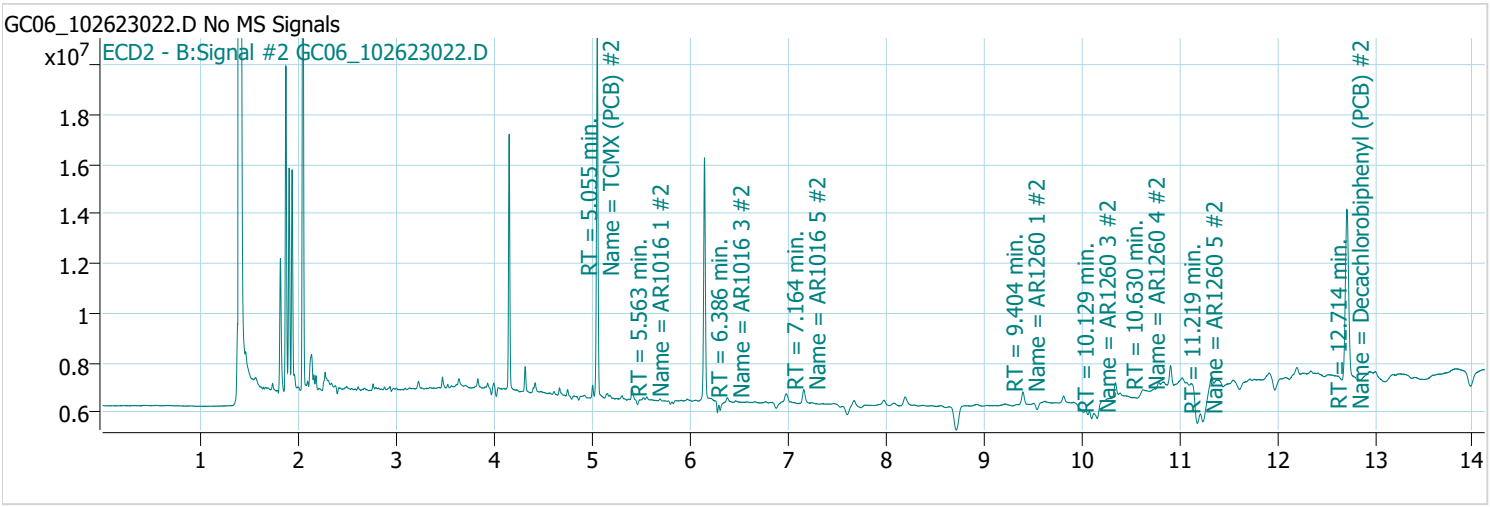
-=low bias c=CCV u=use x=false positive

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623022.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 7:02:09 PM
Sample Name	494459-003, 325199, 1	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



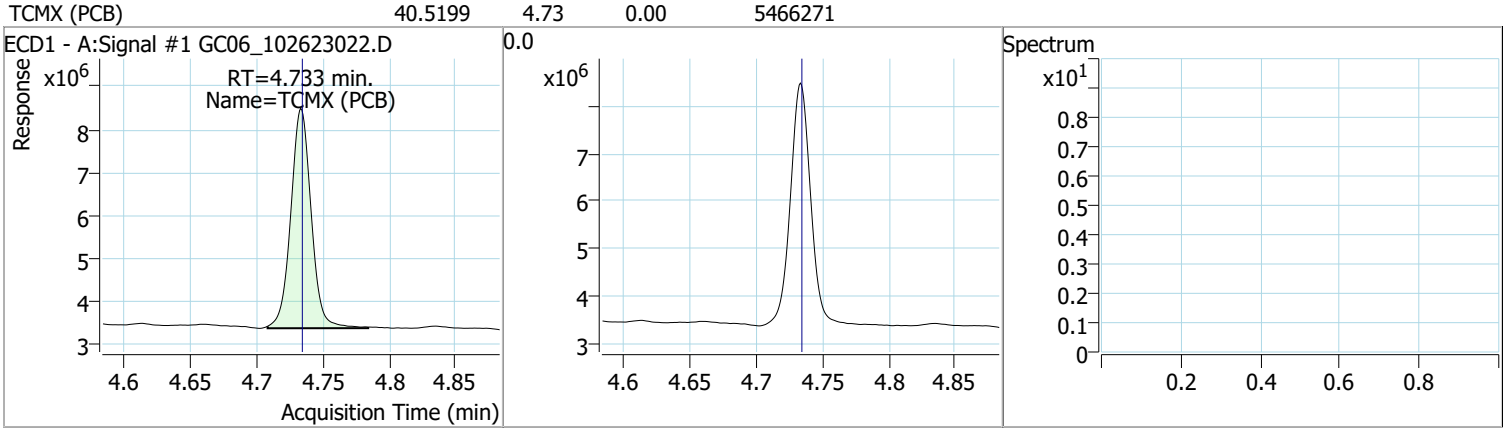


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.957	0.0	2711402.213	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	10017554.910	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	5466271.331	40.5199	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.60%		*	
S TCMX (PCB) #2	5.055	0.0	16143870.580	34.2837	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.42%		*	
S Decachlorobiphenyl (PCB)	11.612	0.0	7607983.107	43.9861	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.93%		*	
S Decachlorobiphenyl (PCB) #2	12.714	0.0	16625025.670	28.9115	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.56%			
Target Compounds							QValue

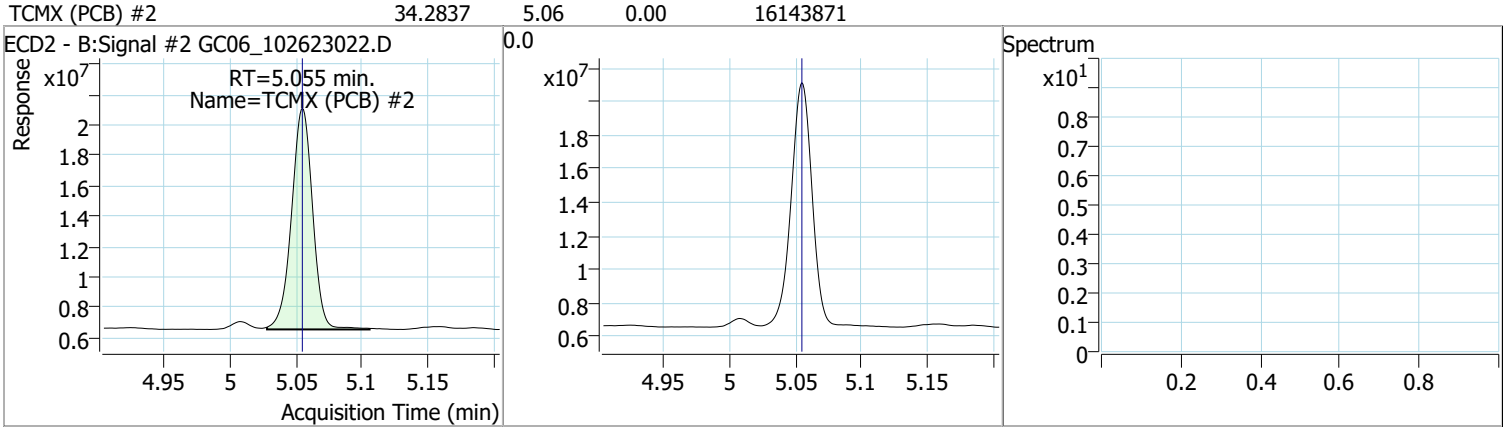
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.058	0.0	182863.108	62.1384	ng/ml	100
T AR1016 2	5.416	0.0	213130.116	36.0836	ng/ml	100
T AR1016 1 #2	5.563	0.0	1322433.157	142.7630	ng/ml	100
T AR1016 3	5.792	0.0	4168427.530	583.1509	ng/ml	100
T AR1016 2 #2	5.974	0.0	866566.511	44.8269	ng/ml	100
T AR1016 4	5.983	0.0	1028788.418	217.4675	ng/ml	100
T AR1016 5	6.331	0.0	109252.775	25.6636	ng/ml	100
T AR1016 3 #2	6.386	0.0	2289468.579	89.0022	ng/ml	100
T AR1016 4 #2	6.566	0.0	7118.765	0.4119	ng/ml	100
T AR1016 5 #2	7.164	0.0	1182359.942	82.8190	ng/ml	100
T AR1260 1	8.200	0.0	459263.682	56.0240	ng/ml	100
T AR1260 2	8.601	0.0	8169.612	0.6396	ng/ml	100
T AR1260 3	9.262	0.0	4363.604	0.3253	ng/ml	100
T AR1260 1 #2	9.404	0.0	2782948.453	104.9316	ng/ml	100
T AR1260 4	9.668	0.0	684786.357	97.1209	ng/ml	100
T AR1260 2 #2	9.722	0.0	102412.447	3.2006	ng/ml	100
T AR1260 3 #2	10.129	0.0	386322.159	9.4710	ng/ml	100
T AR1260 5	10.477	0.0	1179563.339	131.1034	ng/ml	100
T AR1260 4 #2	10.630	0.0	723621.623	29.1801	ng/ml	100
T AR1260 5 #2	11.219	0.0	579319.813	15.7625	ng/ml	100

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

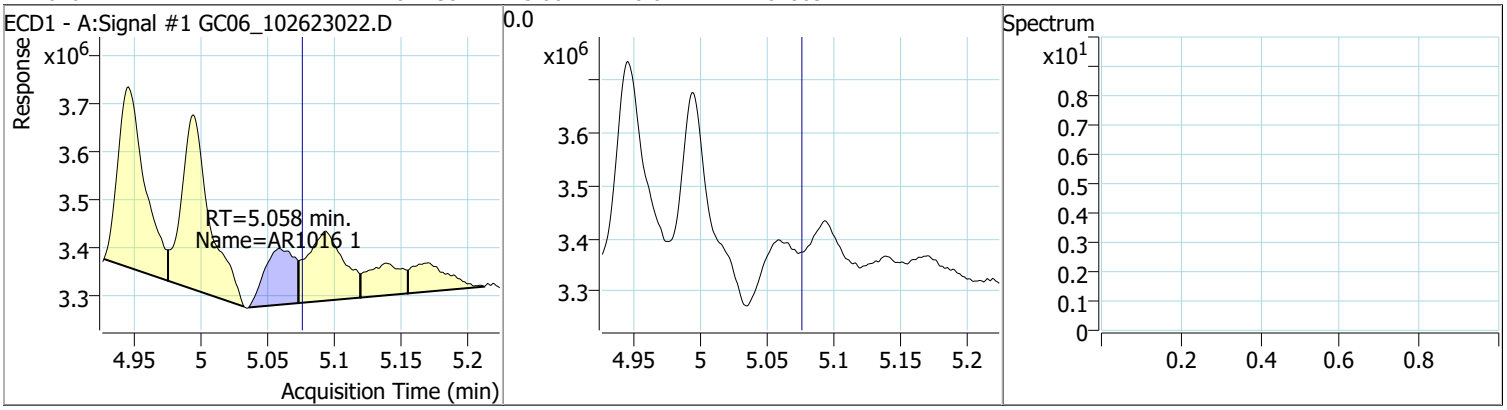
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.5199	4.73	0.00	5466271				



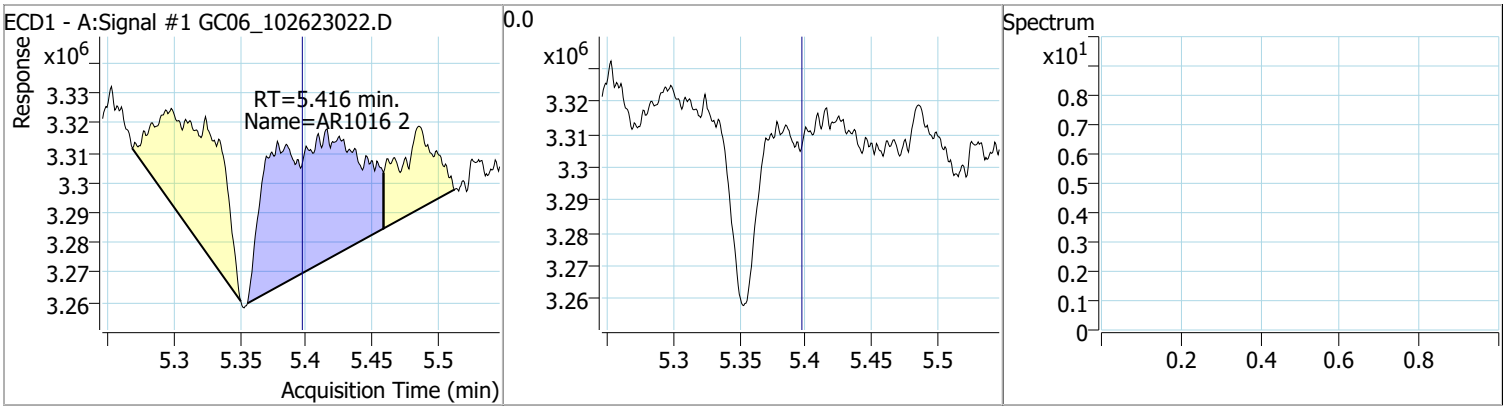
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.2837	5.06	0.00	16143871				



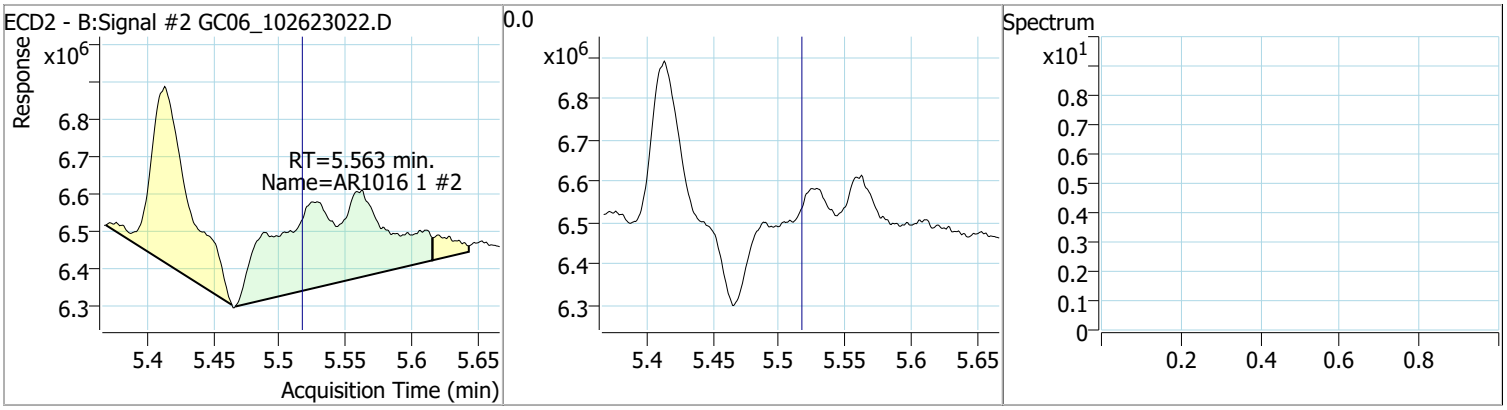
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	62.1384	5.06	-0.02	182863				



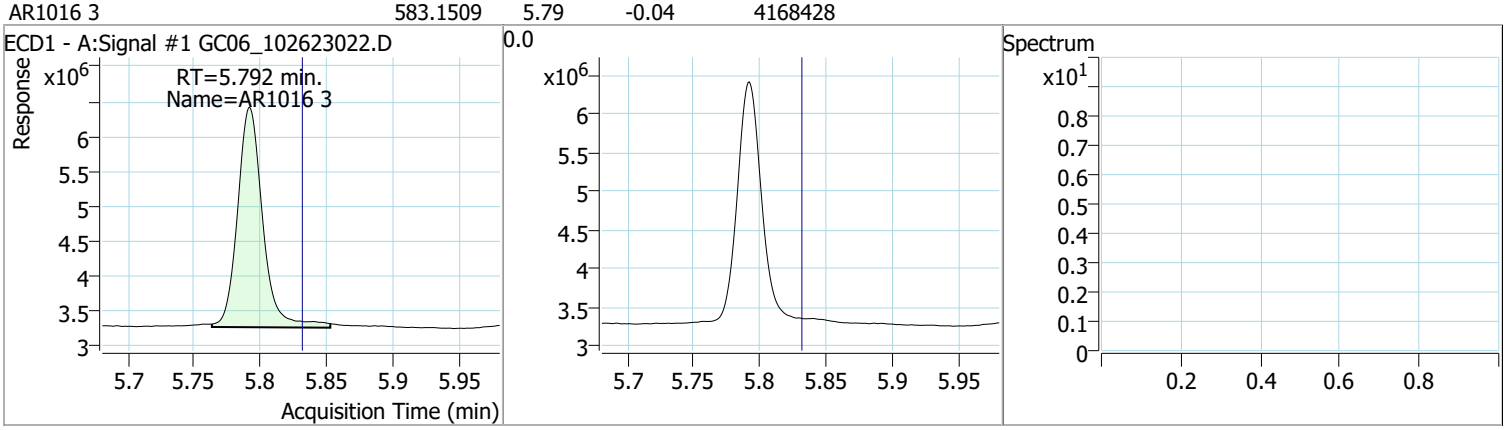
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	36.0836	5.42	0.02	213130				



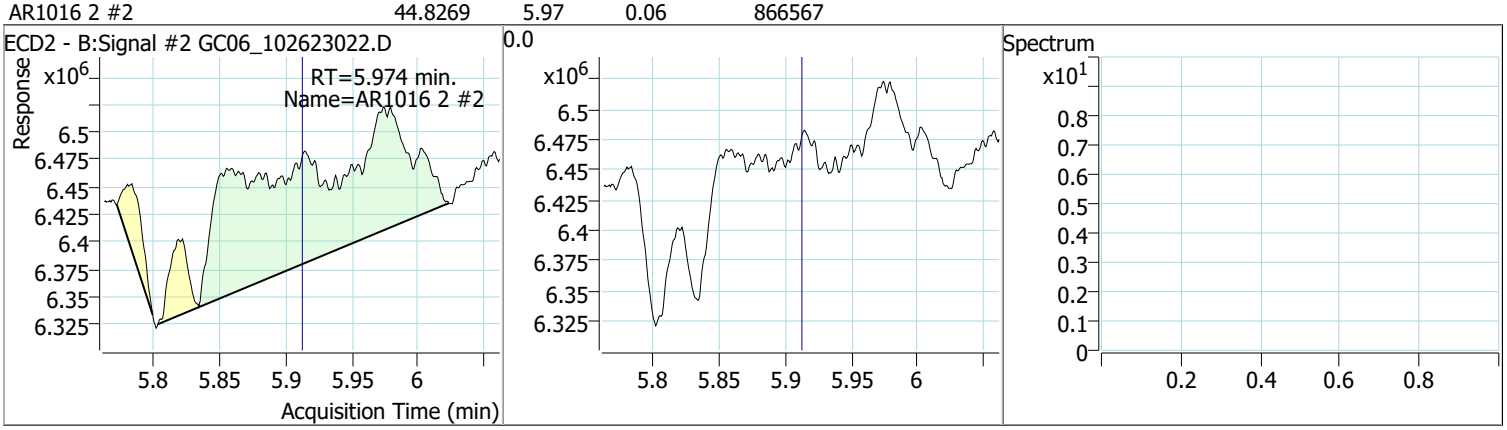
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	142.7630	5.56	0.05	1322433				



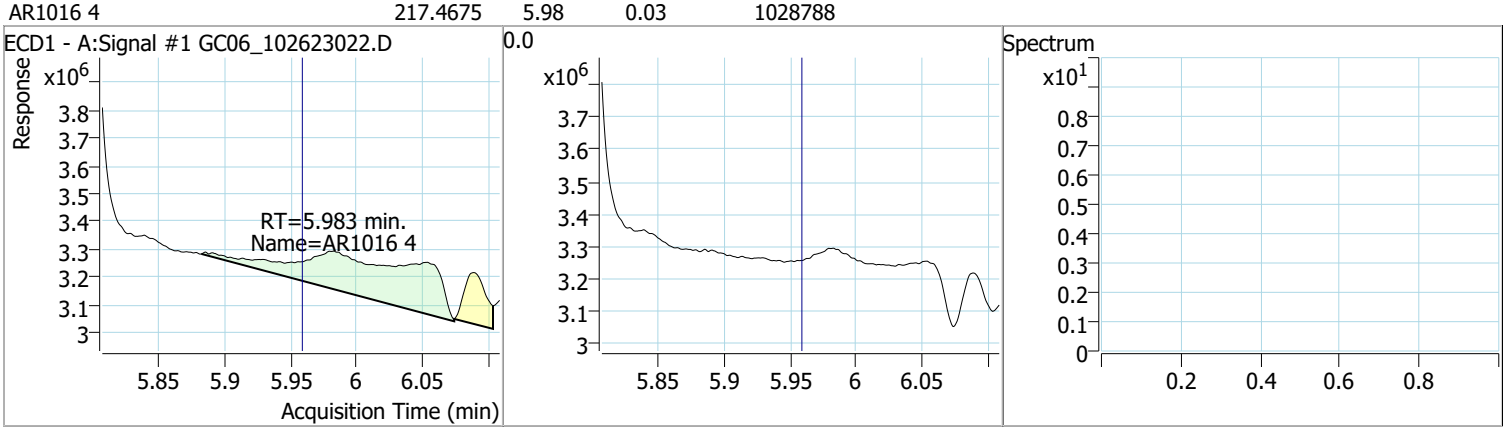
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	583.1509	5.79	-0.04	4168428				



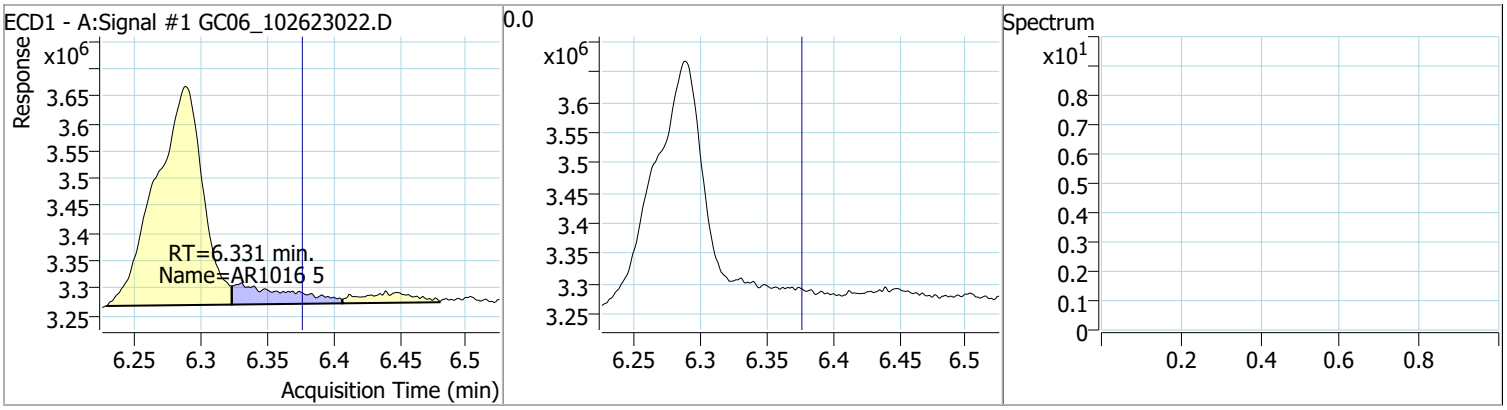
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	44.8269	5.97	0.06	866567				



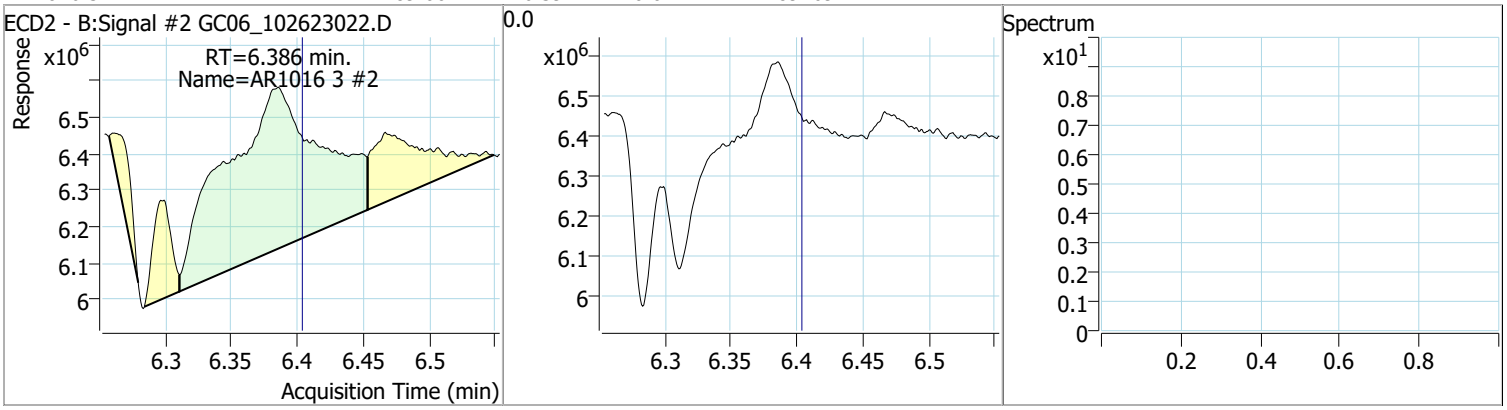
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	217.4675	5.98	0.03	1028788				



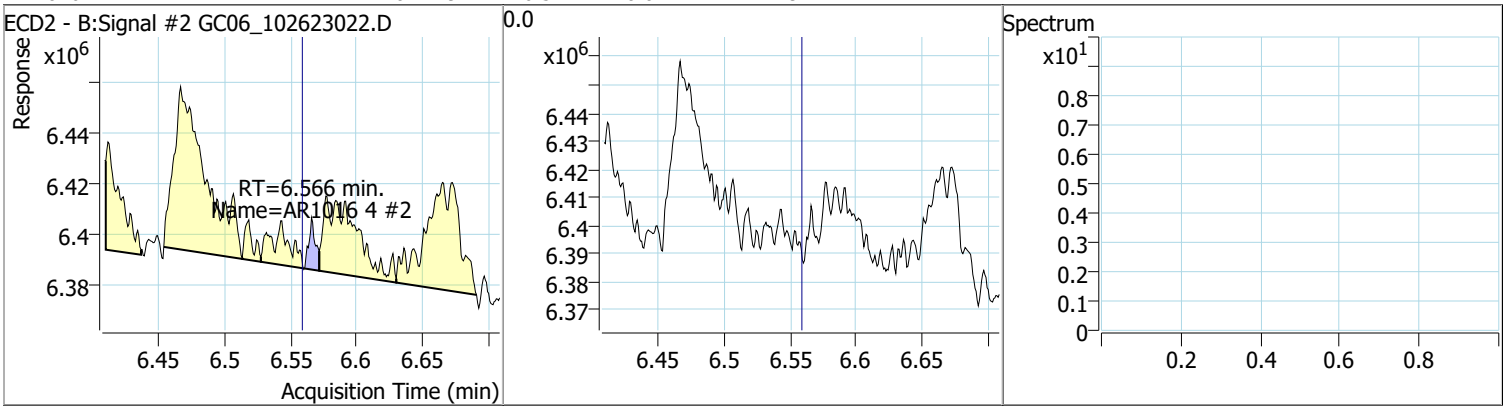
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.6636	6.33	-0.04	109253				



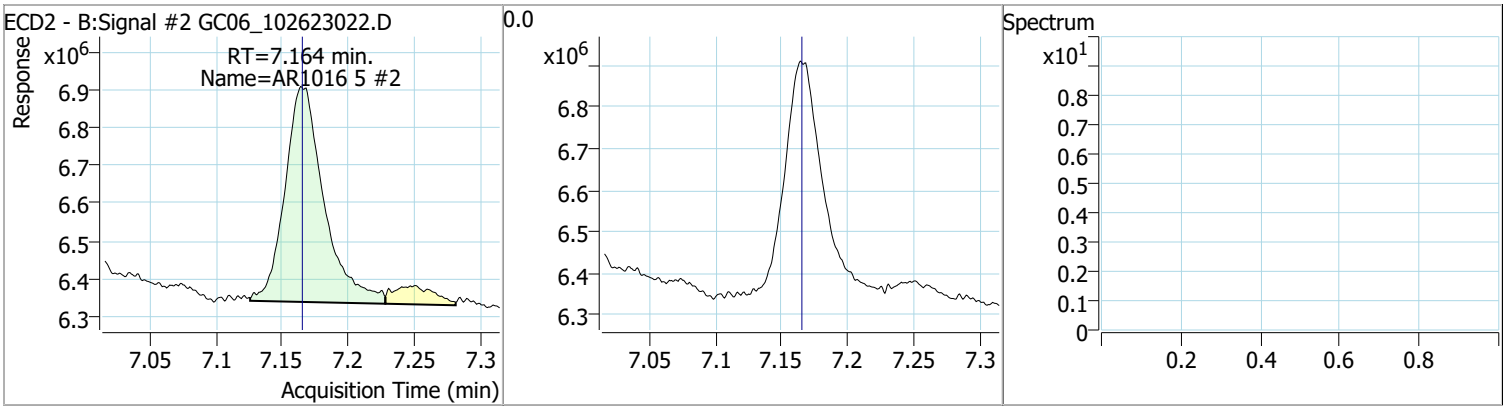
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	89.0022	6.39	-0.02	2289469				



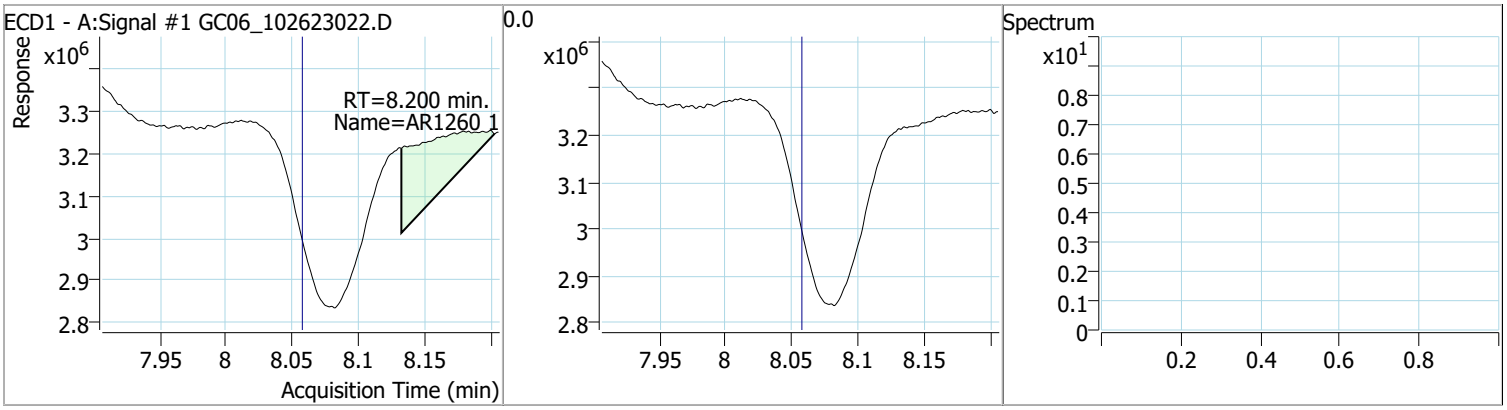
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4119	6.57	0.01	7119				



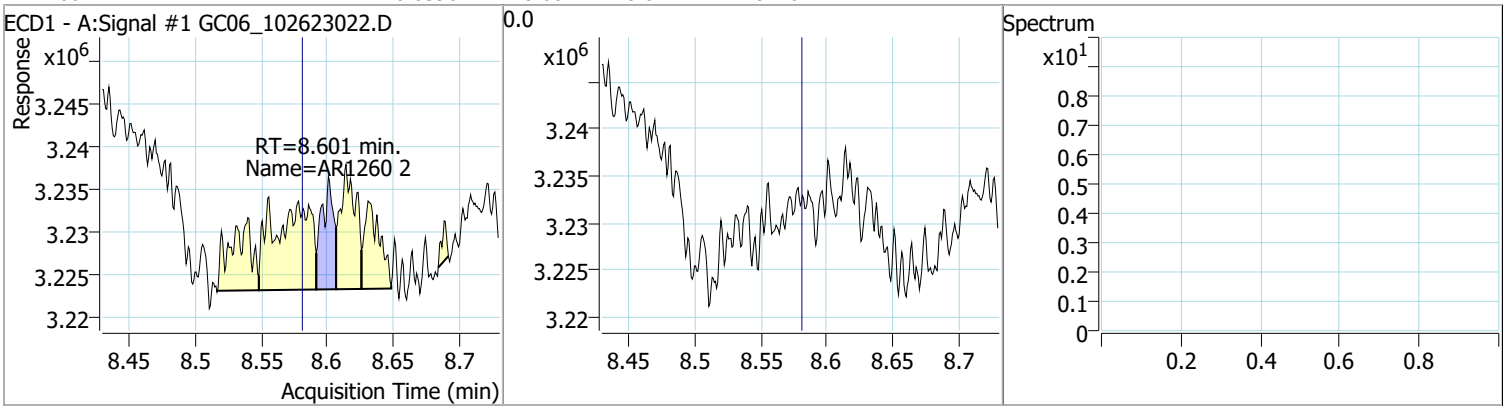
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	82.8190	7.16	0.00	1182360				



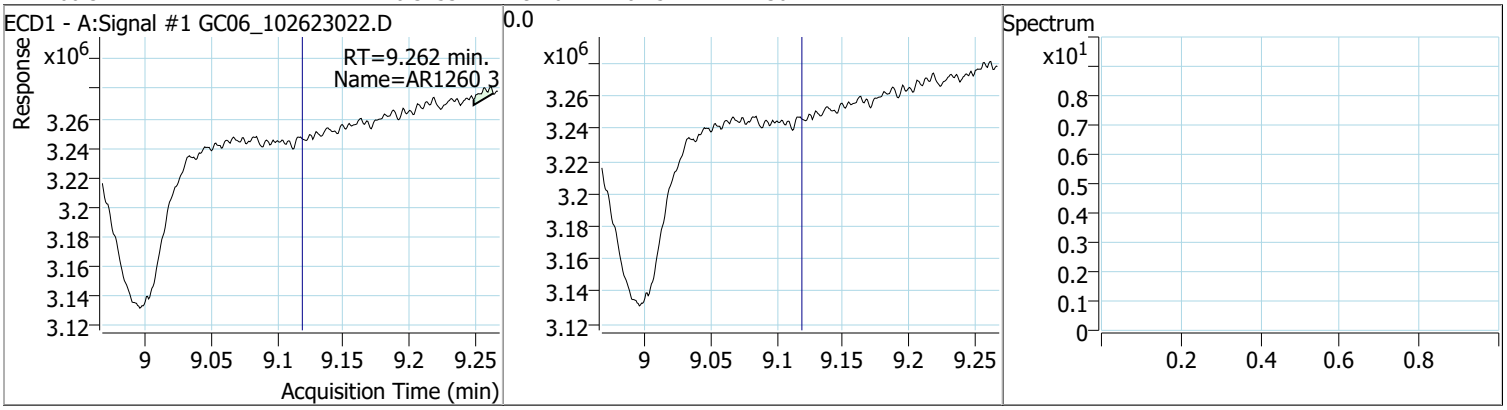
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	56.0240	8.20	0.15	459264				



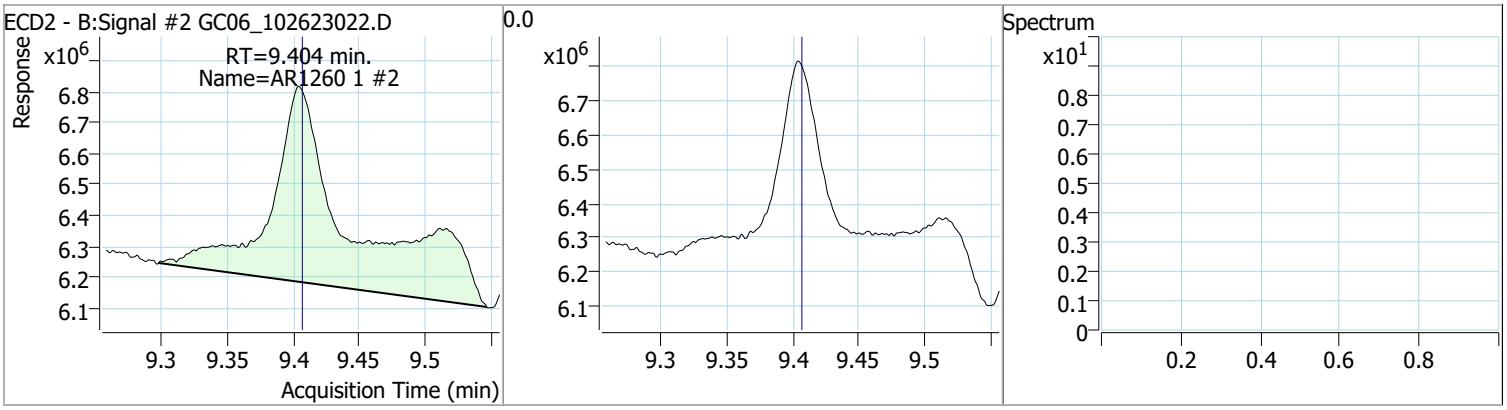
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.6396	8.60	0.02	8170				



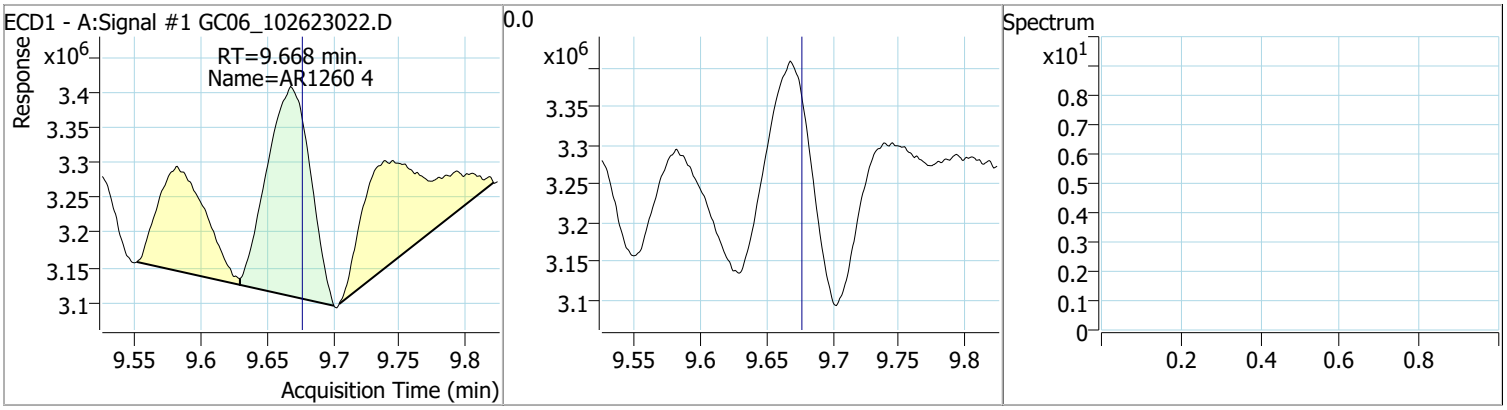
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.3253	9.26	0.15	4364				



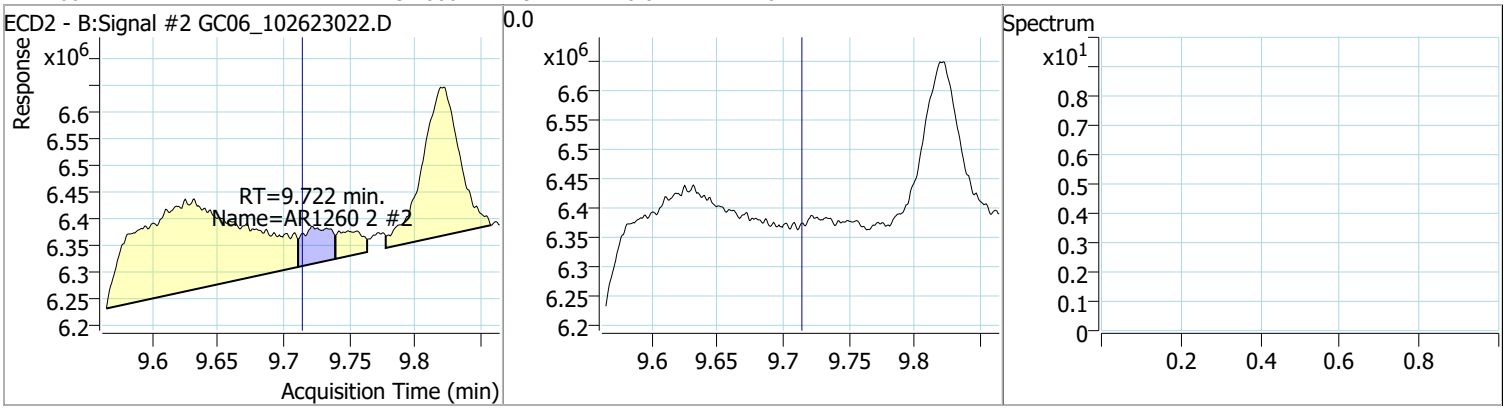
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	104.9316	9.40	0.00	2782948				



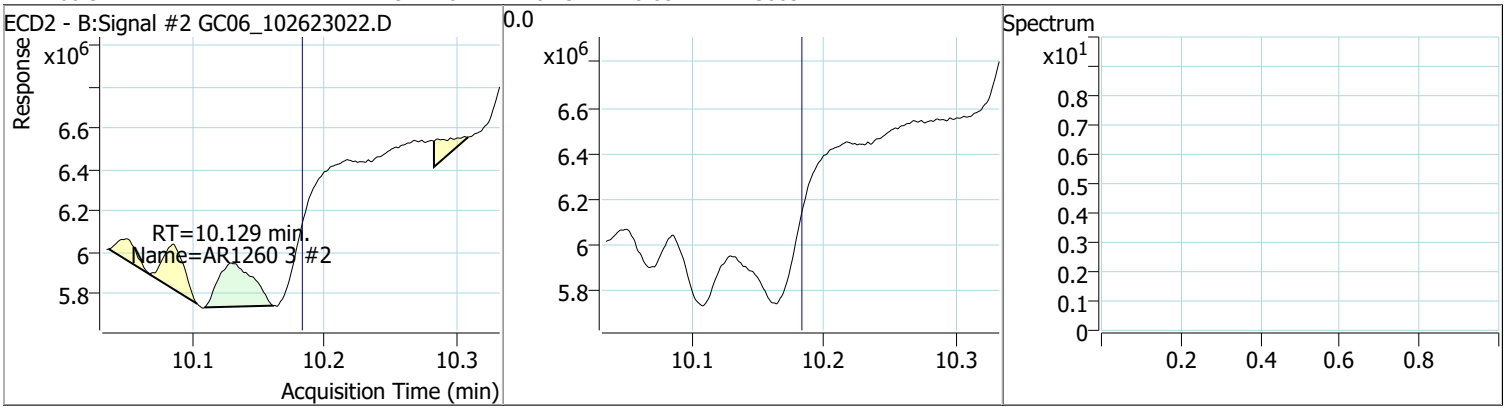
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	97.1209	9.67	-0.01	684786				



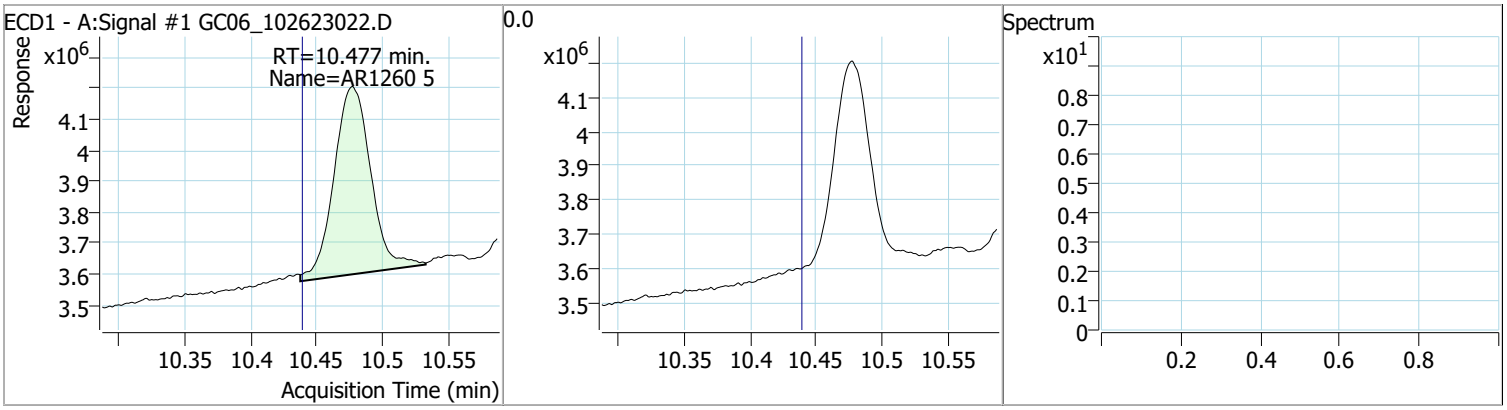
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.2006	9.72	0.01	102412				



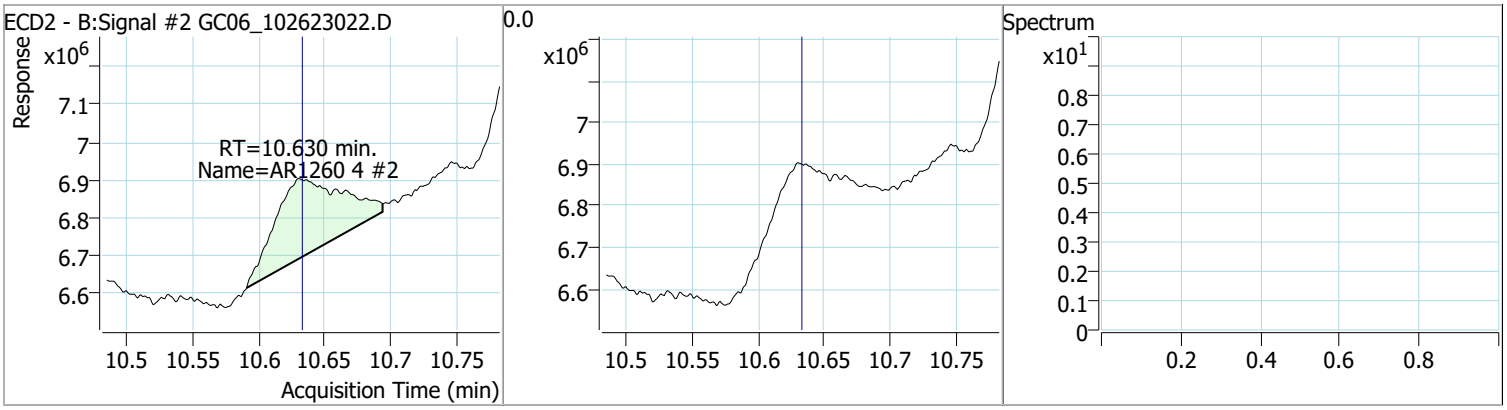
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.4710	10.13	-0.05	386322				



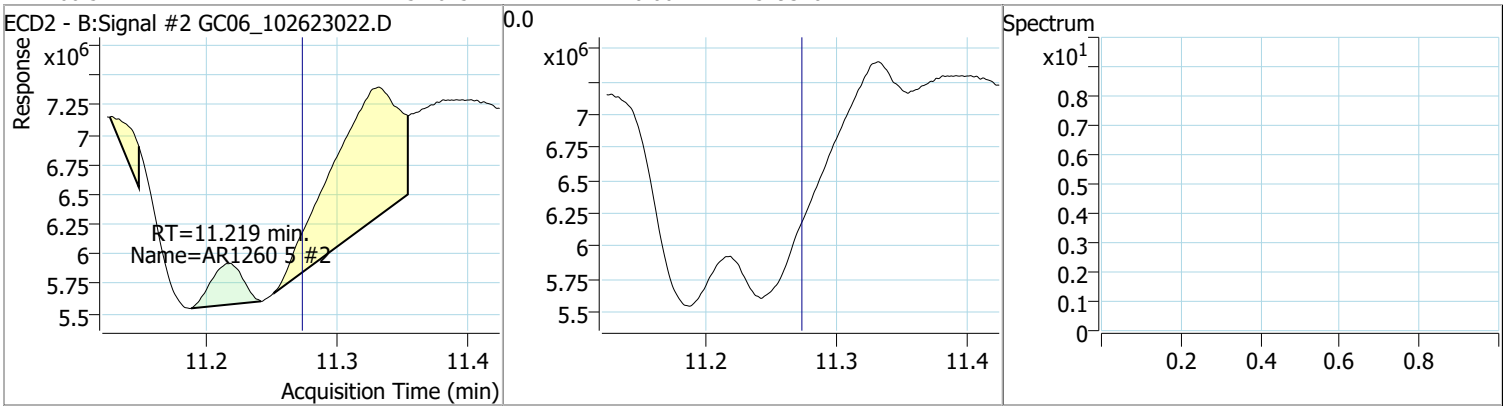
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	131.1034	10.48	0.04	1179563				



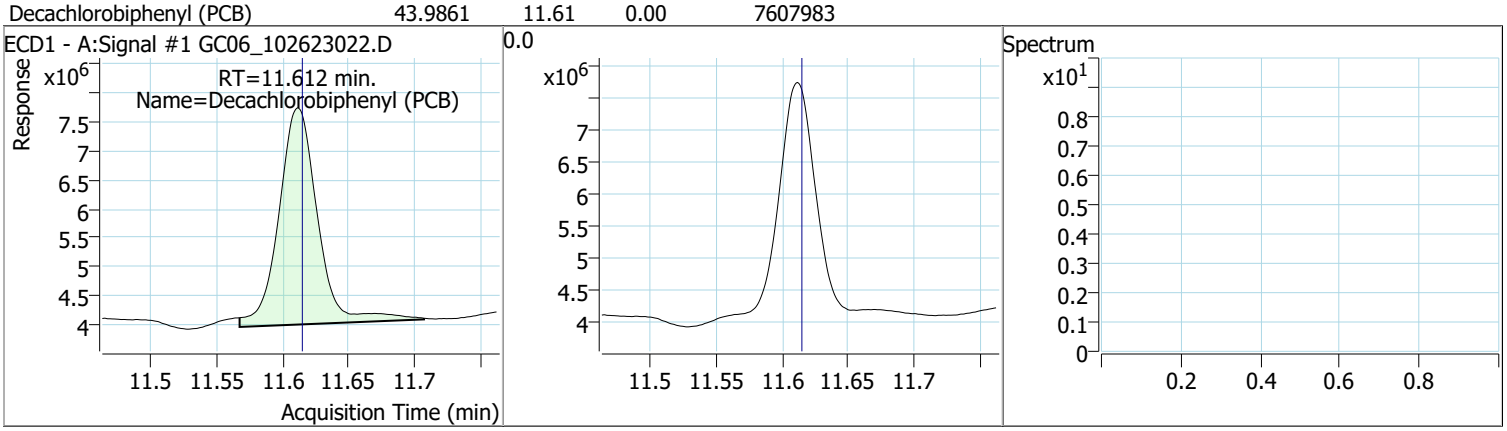
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	29.1801	10.63	0.00	723622				



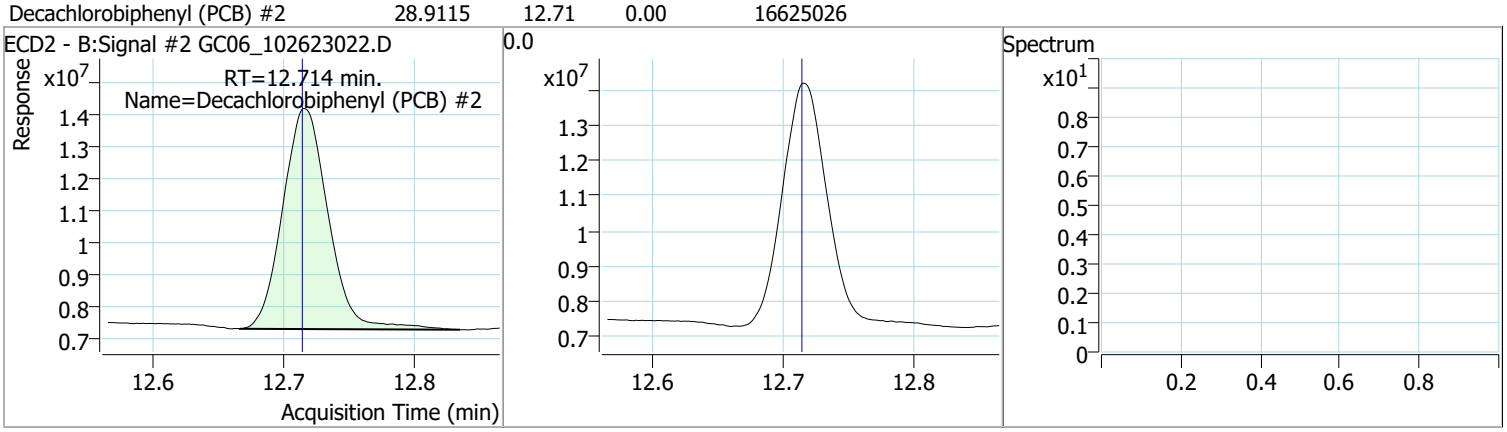
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.7625	11.22	-0.06	579320				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.9861	11.61	0.00	7607983				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.9115	12.71	0.00	16625026				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	494459-011	Client ID:	AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-P-I
Seqnum:	453431278023	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_102623023	Batch:	325199	Time:	26-OCT-2023 19:21
Cal:	453416704002	Caldate:	16-OCT-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	47.50	ND	1.8	117%	0.50		u
Aroclor-1016 Peak # 1	B	126.2	1.26	1.50	17%			
Aroclor-1016 Peak # 2	B	45.16	0.45	0.48	7%			
Aroclor-1016 Peak # 3	B	58.54	0.59	6.40	166%			
Aroclor-1016 Peak # 4	B	1.690	0.02	0.61	189%			
Aroclor-1016 Peak # 5	B	5.874	0.06	0.11	64%			
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	18.63	ND	0.83	126%	0.50		u
Aroclor-1260 Peak # 1	B	31.89	0.32	1.58	133%			
Aroclor-1260 Peak # 2	B	18.61	0.19	0.01	180%			
Aroclor-1260 Peak # 3	B	7.040	0.07	0.02	127%			
Aroclor-1260 Peak # 4	B	20.14	0.20	1.90	162%			
Aroclor-1260 Peak # 5	B	15.48	0.15	0.62	120%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	34.01	0.5000	0.3401	68	19-121	u
Decachlorobiphenyl (PCB)	B	27.39	0.5000	0.2739	55	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_102623004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	12748352	27.82
1-bromo-2-nitrobenzene (PCB)	A	3468805	3340121	-3.71

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_102623004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

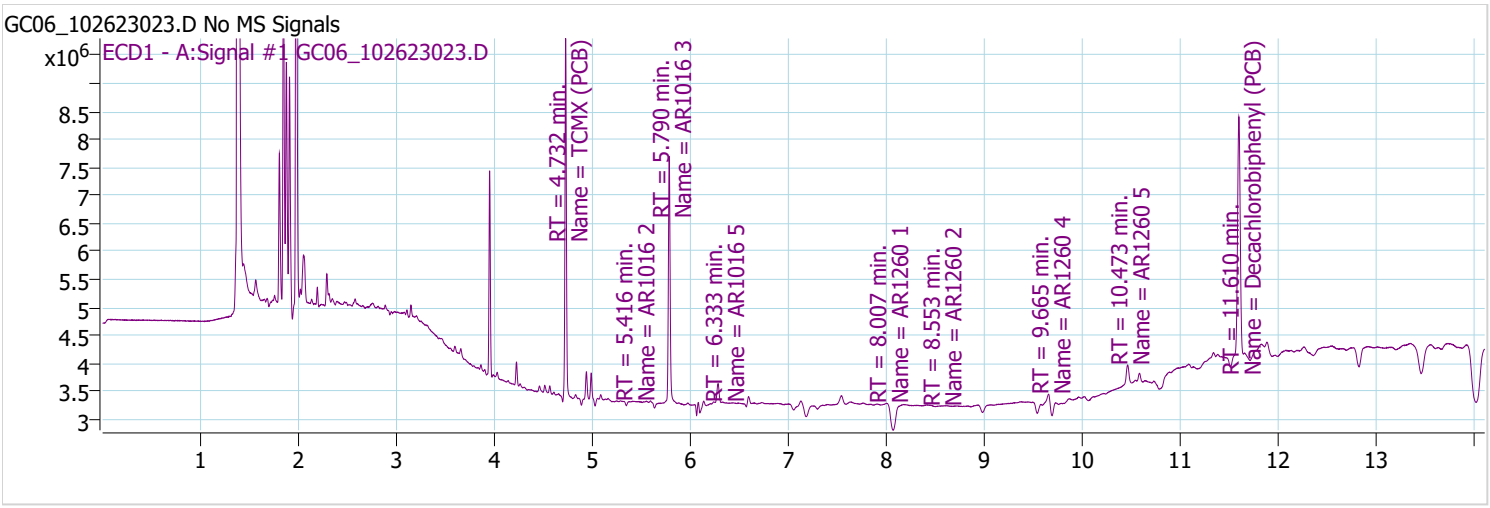
10/27/23 : WIPE/1DM^2-10ML

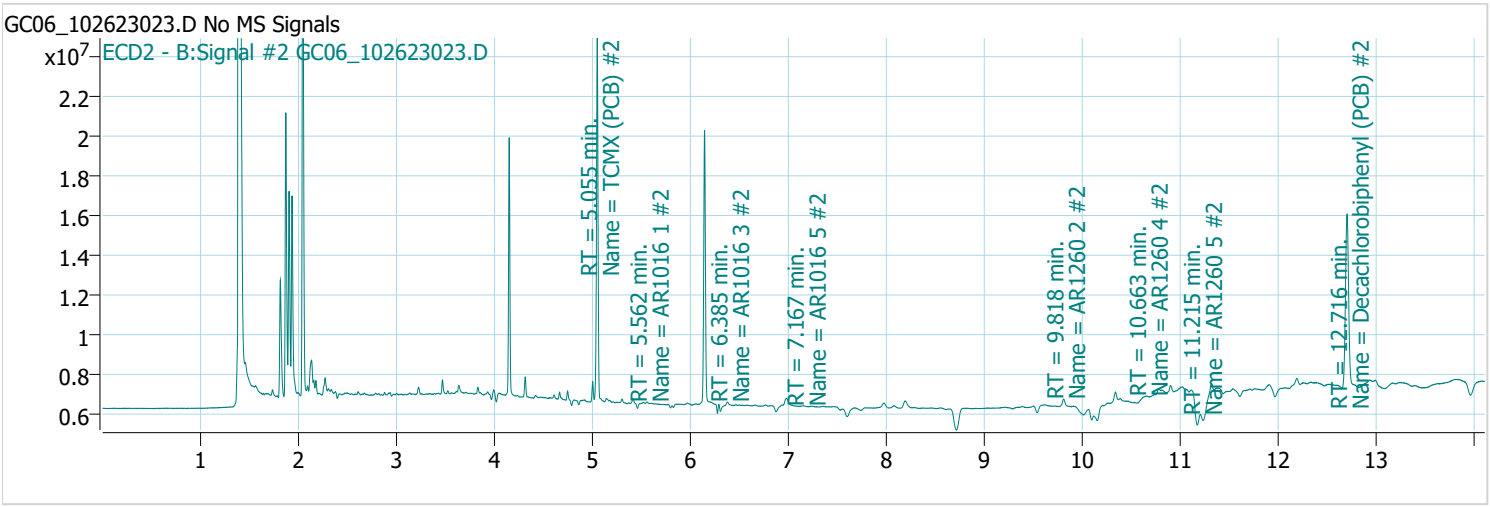
-=low bias c=CCV u=use

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623023.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 7:21:14 PM
Sample Name	494459-011, 325199, 1	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



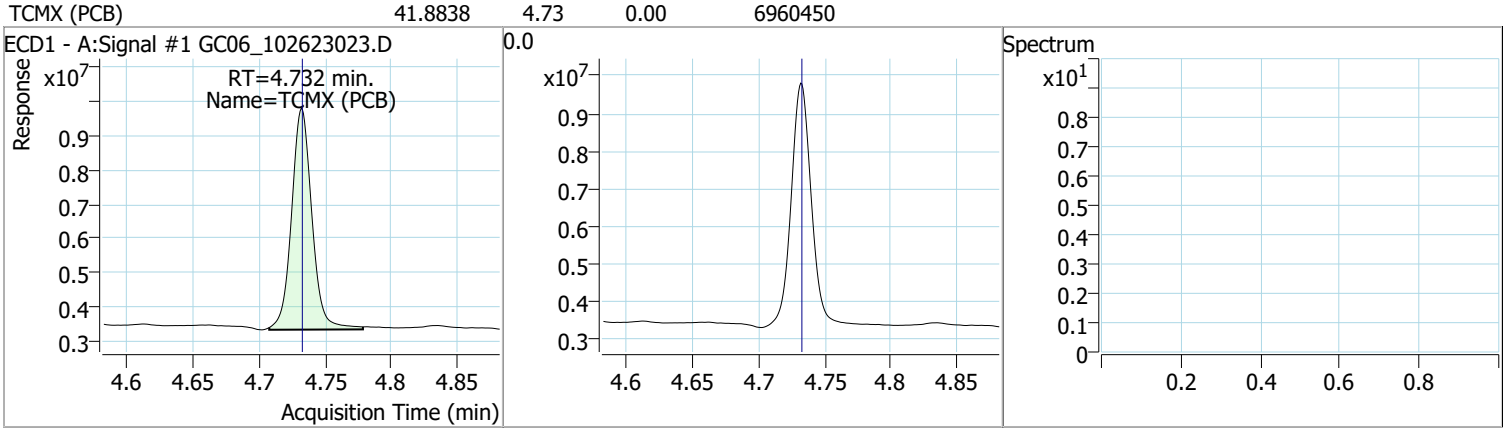


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.955	0.0	3340120.785	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	12748352.396	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.732	0.0	6960449.521	41.8838	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.42%		*	
S TCMX (PCB) #2	5.055	0.0	20383338.273	34.0144	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.07%		*	
S Decachlorobiphenyl (PCB)	11.610	0.0	8845587.023	41.5149	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.57%		*	
S Decachlorobiphenyl (PCB) #2	12.716	0.0	20041910.759	27.3876	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 136.94%			
Target Compounds							QValue

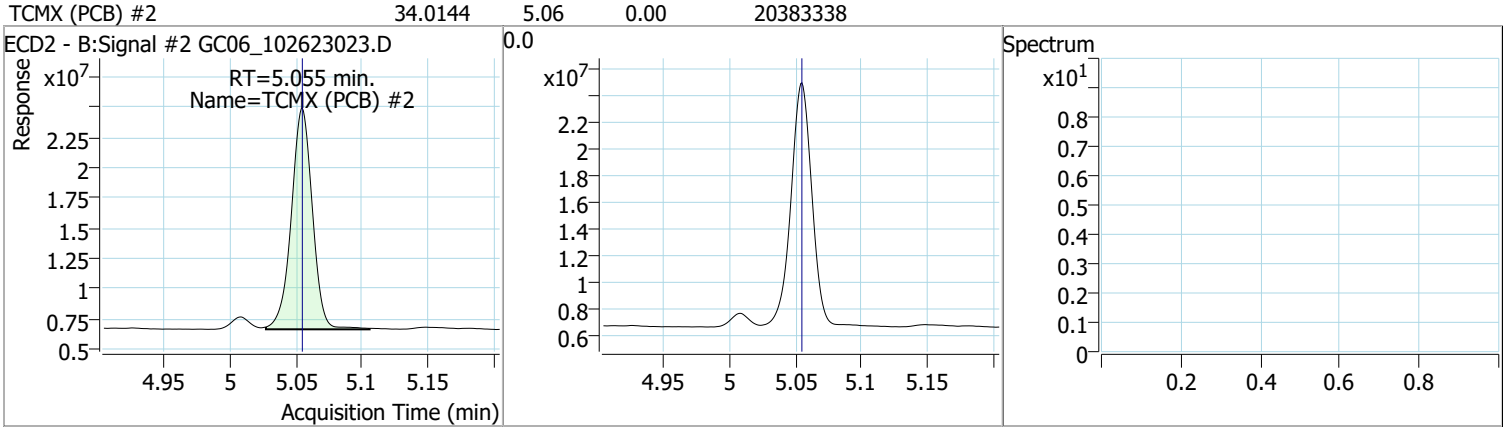
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.090	0.0	542471.583	149.6384	ng/ml	100
T AR1016 2	5.416	0.0	352761.554	48.4817	ng/ml	100
T AR1016 1 #2	5.562	0.0	1487894.602	126.2182	ng/ml	100
T AR1016 3	5.790	0.0	5632391.811	639.6366	ng/ml	100
T AR1016 2 #2	5.974	0.0	1110890.675	45.1560	ng/ml	100
T AR1016 4	5.886	0.0	357263.816	61.3040	ng/ml	100
T AR1016 5	6.333	0.0	59665.677	11.3774	ng/ml	100
T AR1016 3 #2	6.385	0.0	1916546.119	58.5454	ng/ml	100
T AR1016 4 #2	6.541	0.0	37171.645	1.6903	ng/ml	100
T AR1016 5 #2	7.167	0.0	106719.213	5.8740	ng/ml	100
T AR1260 1	8.007	0.0	1600470.536	158.4863	ng/ml	100
T AR1260 2	8.553	0.0	15107.416	0.9601	ng/ml	100
T AR1260 3	9.253	0.0	26143.877	1.5822	ng/ml	100
T AR1260 1 #2	9.401	0.0	1076286.944	31.8887	ng/ml	100
T AR1260 4	9.665	0.0	1649530.236	189.9107	ng/ml	100
T AR1260 2 #2	9.818	0.0	757941.489	18.6130	ng/ml	100
T AR1260 3 #2	10.126	0.0	365433.541	7.0399	ng/ml	100
T AR1260 5	10.473	0.0	686812.917	61.9673	ng/ml	100
T AR1260 4 #2	10.663	0.0	635709.739	20.1438	ng/ml	100
T AR1260 5 #2	11.215	0.0	724022.395	15.4798	ng/ml	100

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

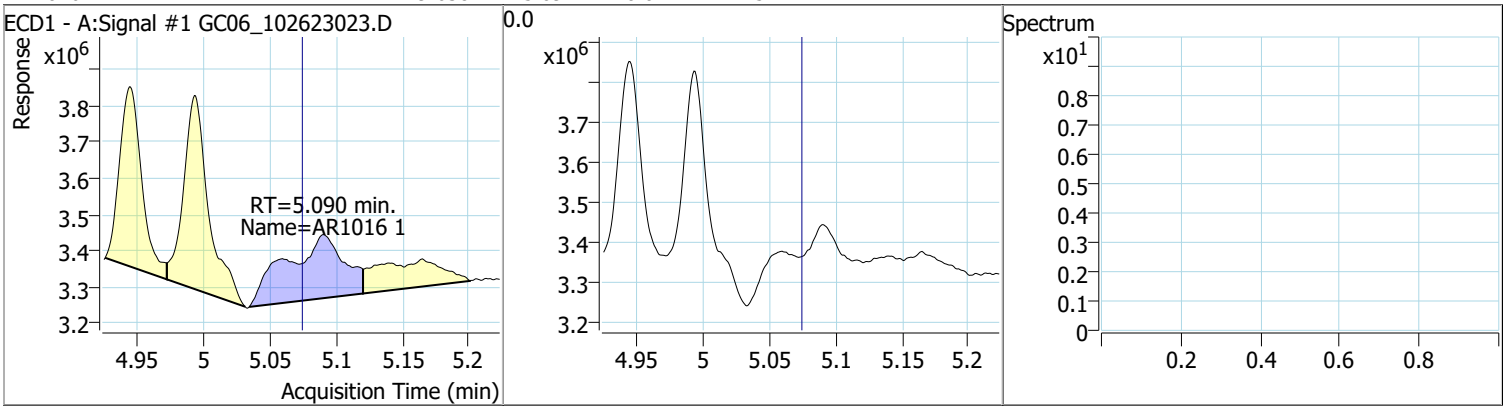
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.8838	4.73	0.00	6960450				



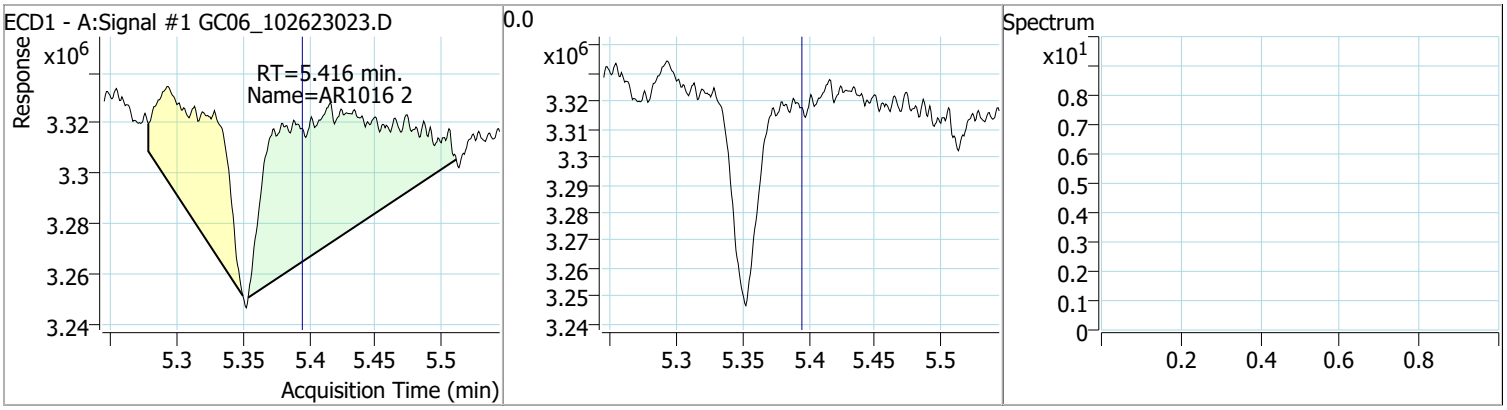
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.0144	5.06	0.00	20383338				



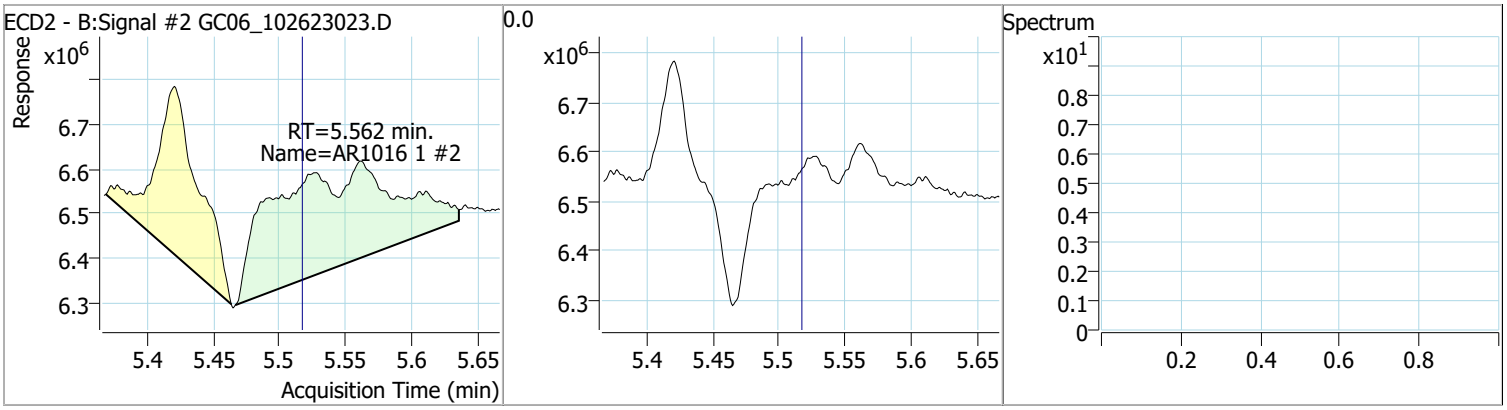
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	149.6384	5.09	0.02	542472				



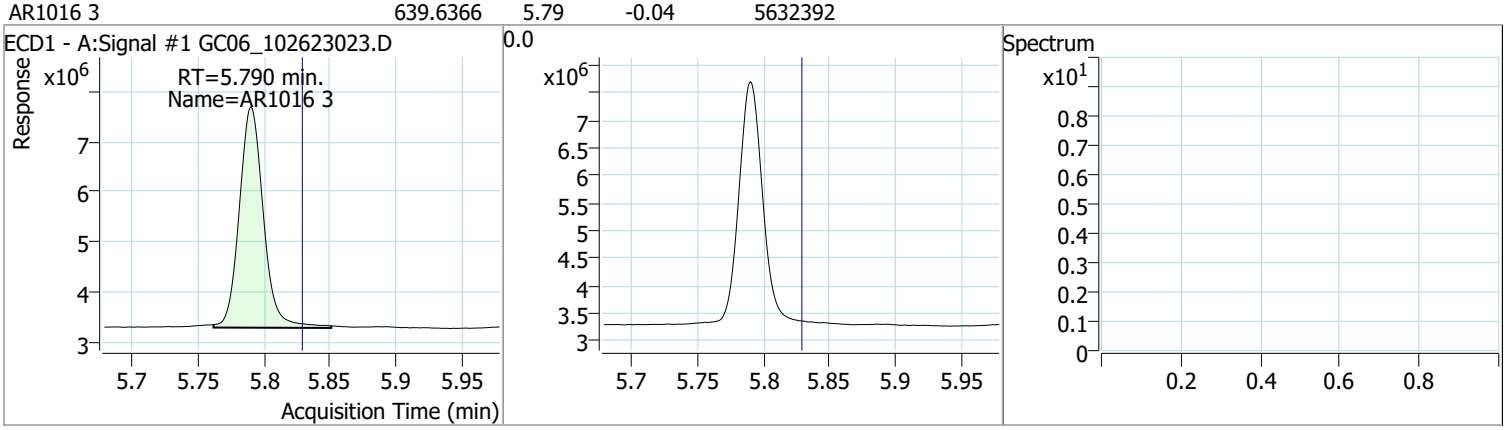
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	48.4817	5.42	0.02	352762				



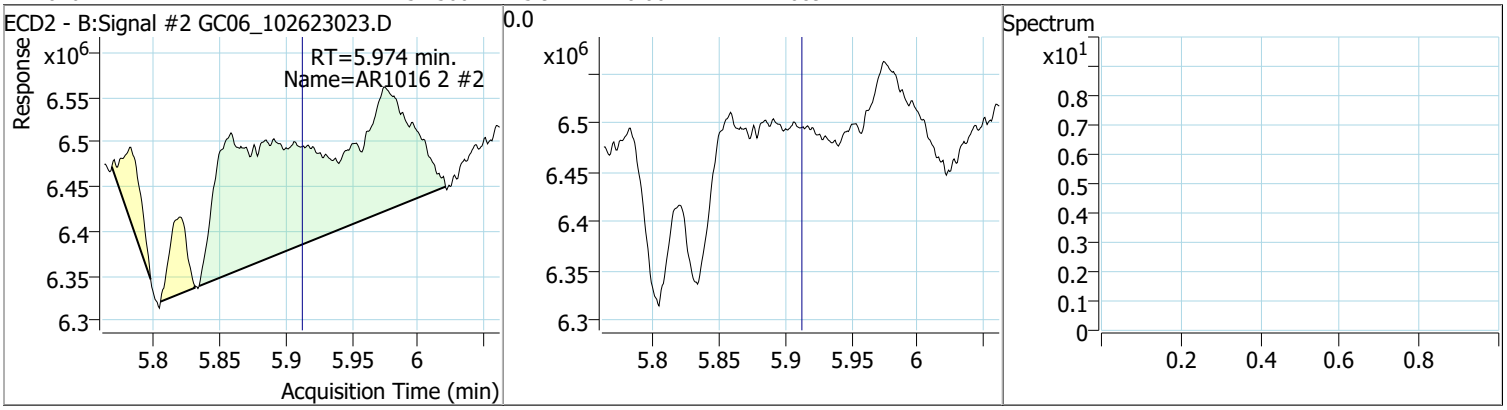
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	126.2182	5.56	0.04	1487895				



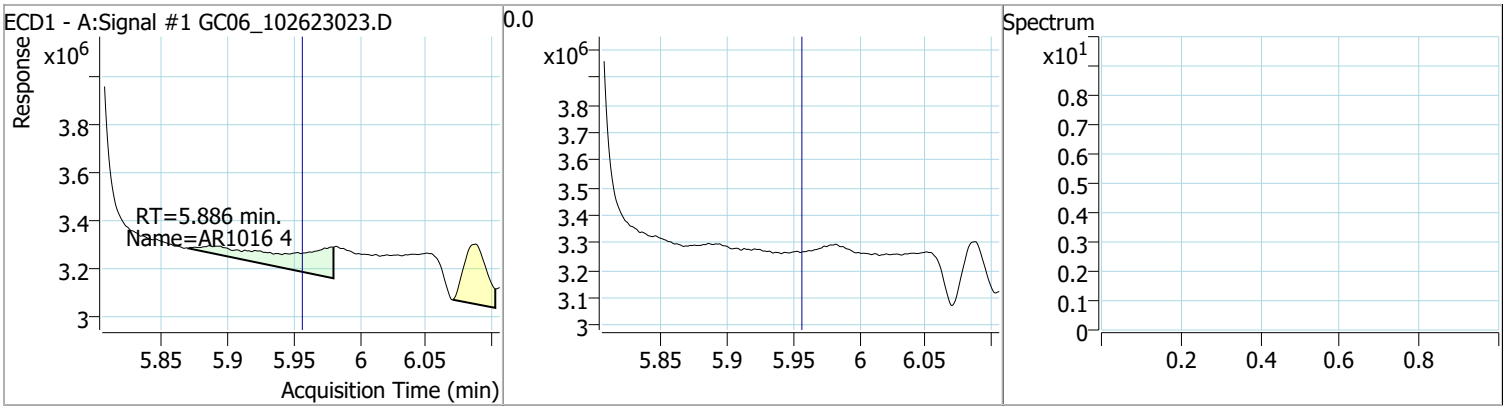
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	639.6366	5.79	-0.04	5632392				



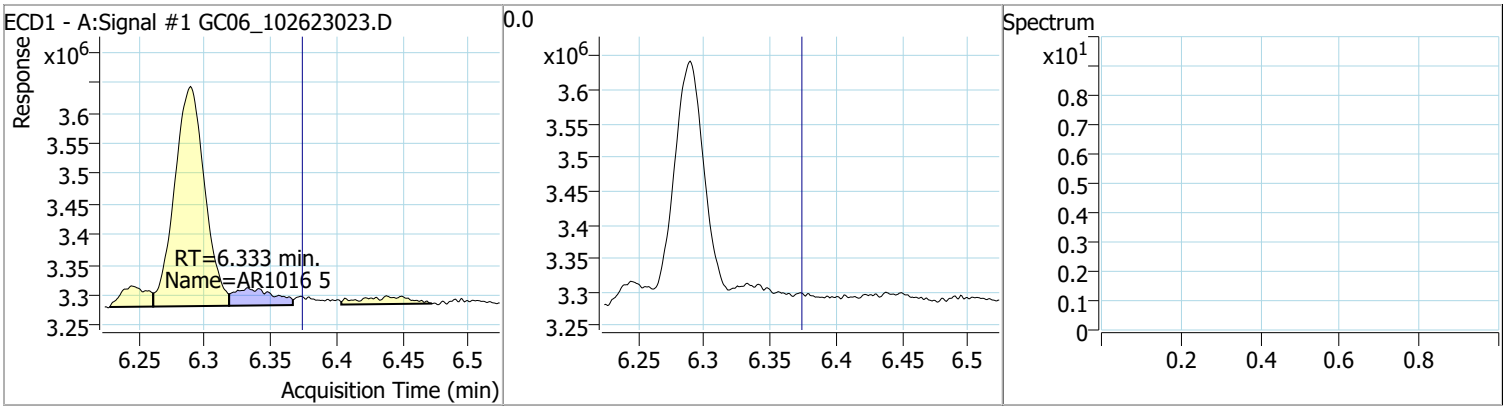
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	45.1560	5.97	0.06	1110891				



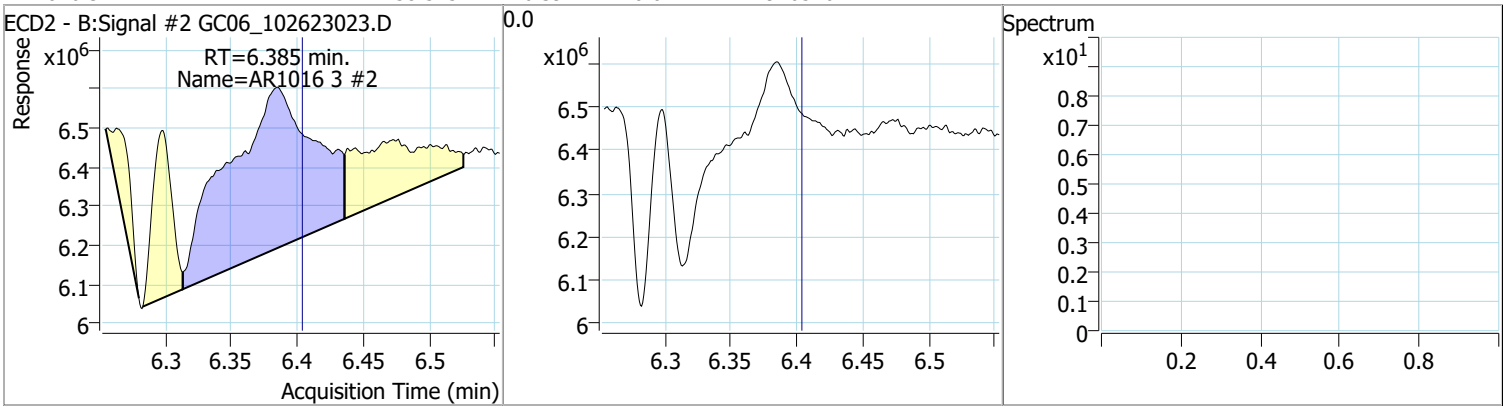
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	61.3040	5.89	-0.07	357264				



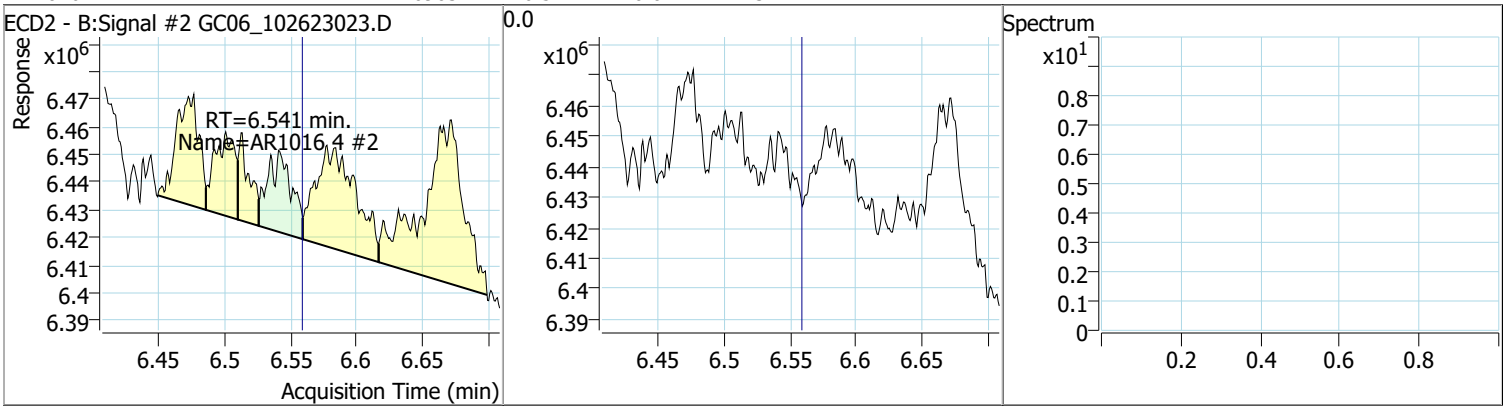
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	11.3774	6.33	-0.04	59666				



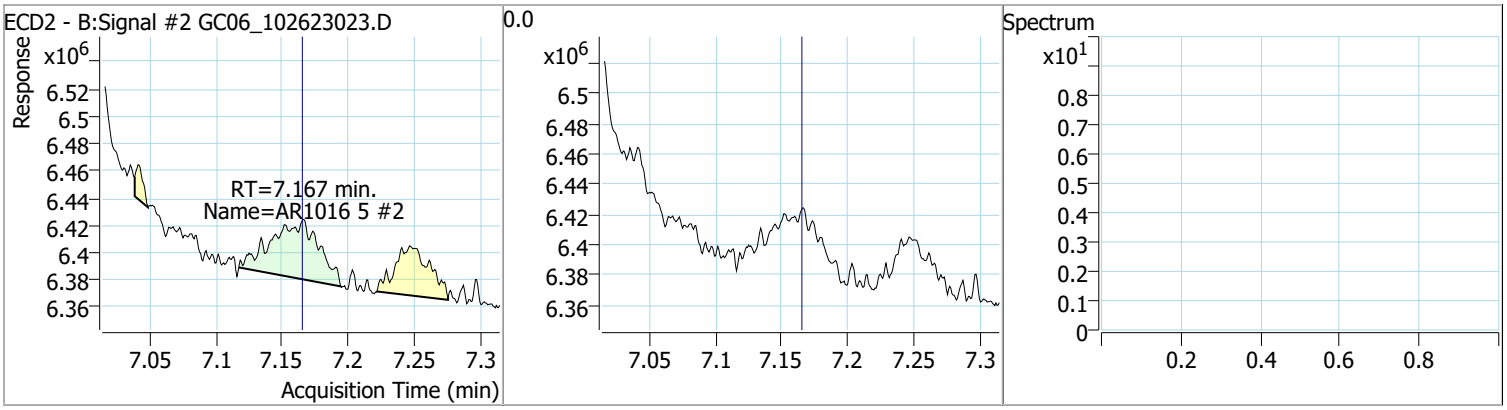
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	58.5454	6.39	-0.02	1916546				



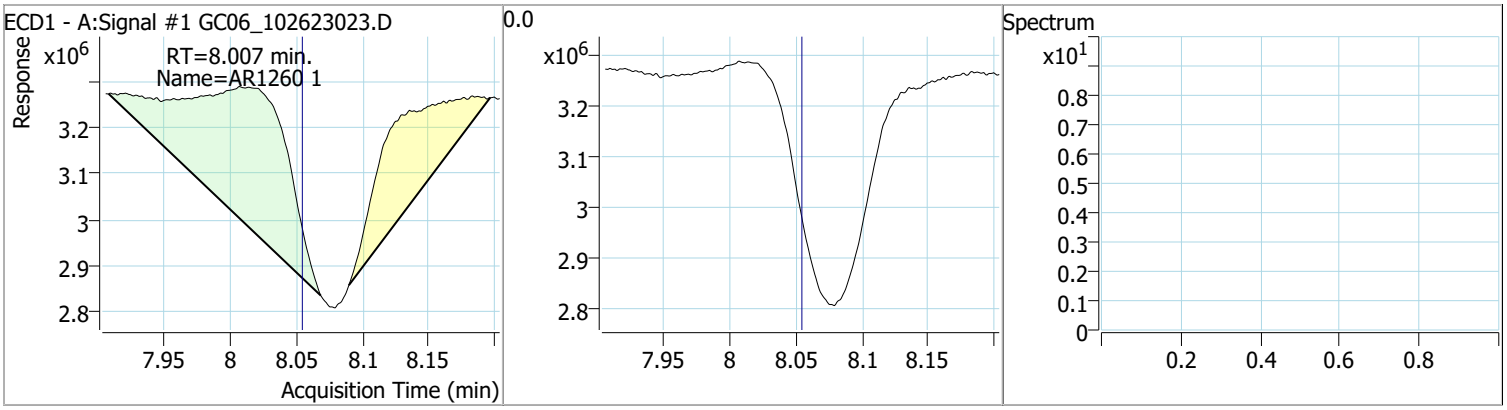
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.6903	6.54	-0.02	37172				



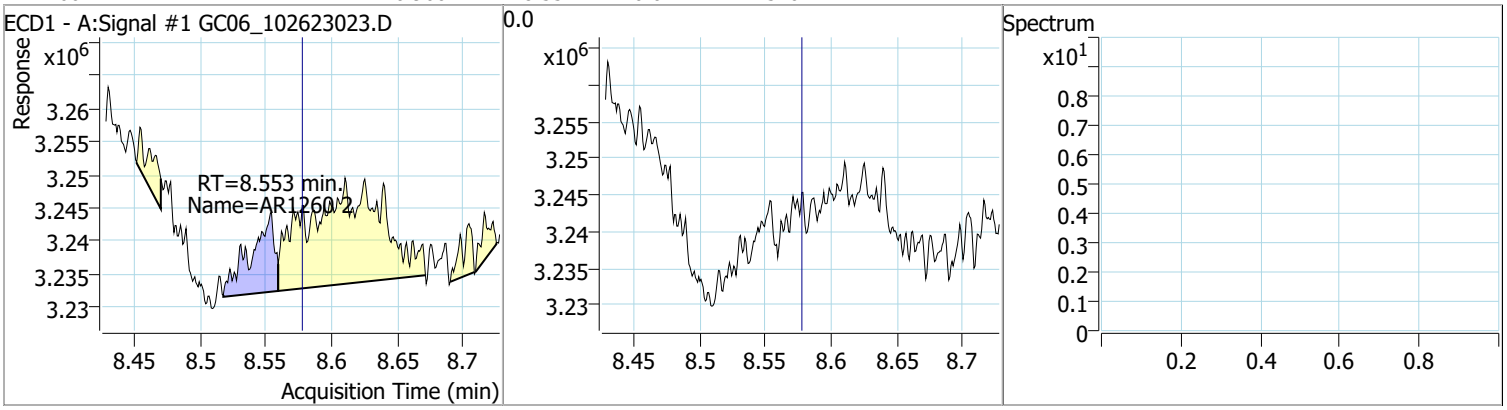
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	5.8740	7.17	0.00	106719				



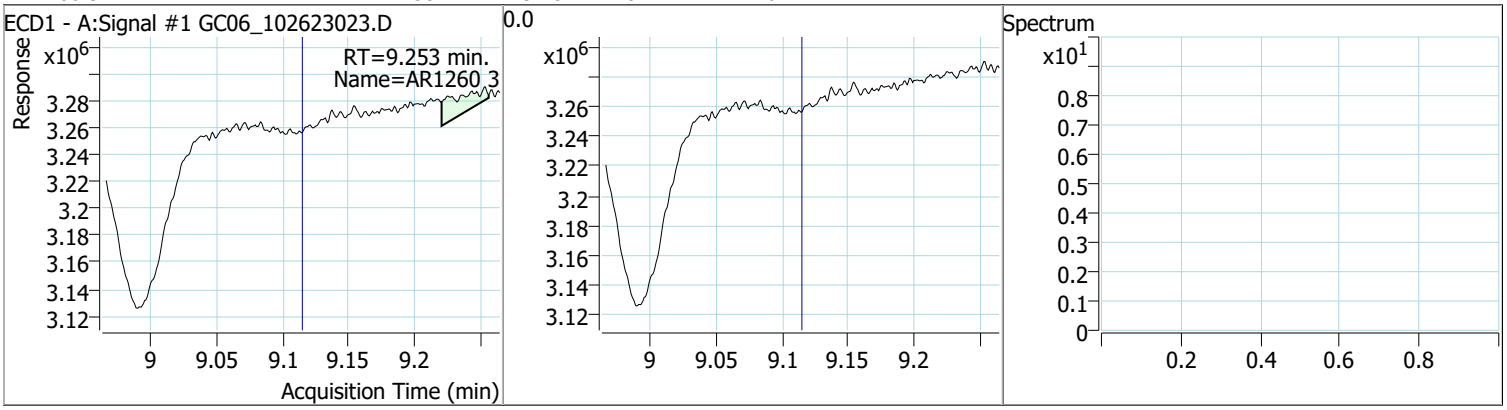
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	158.4863	8.01	-0.05	1600471				



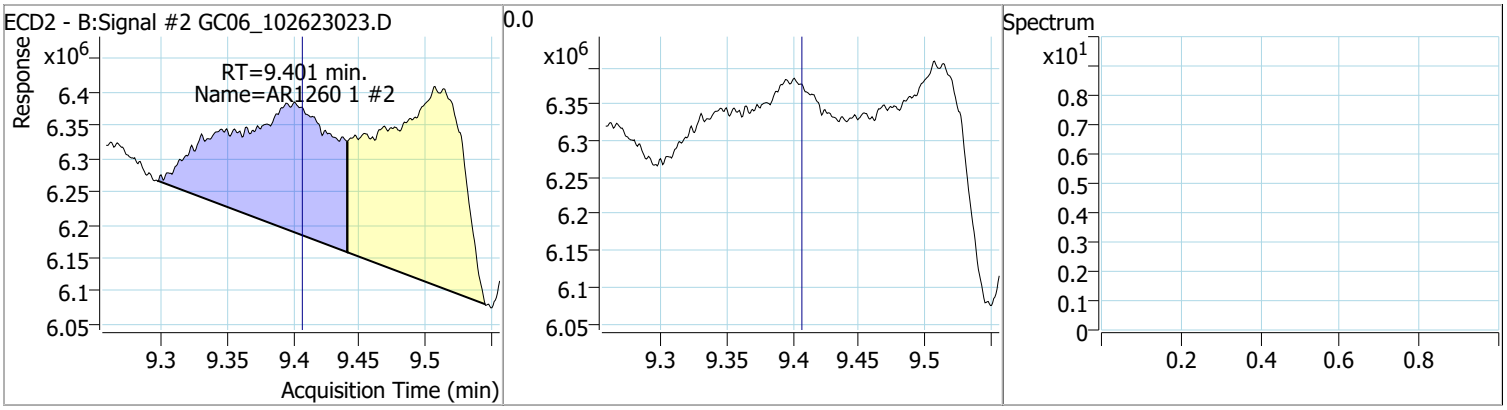
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9601	8.55	-0.02	15107				



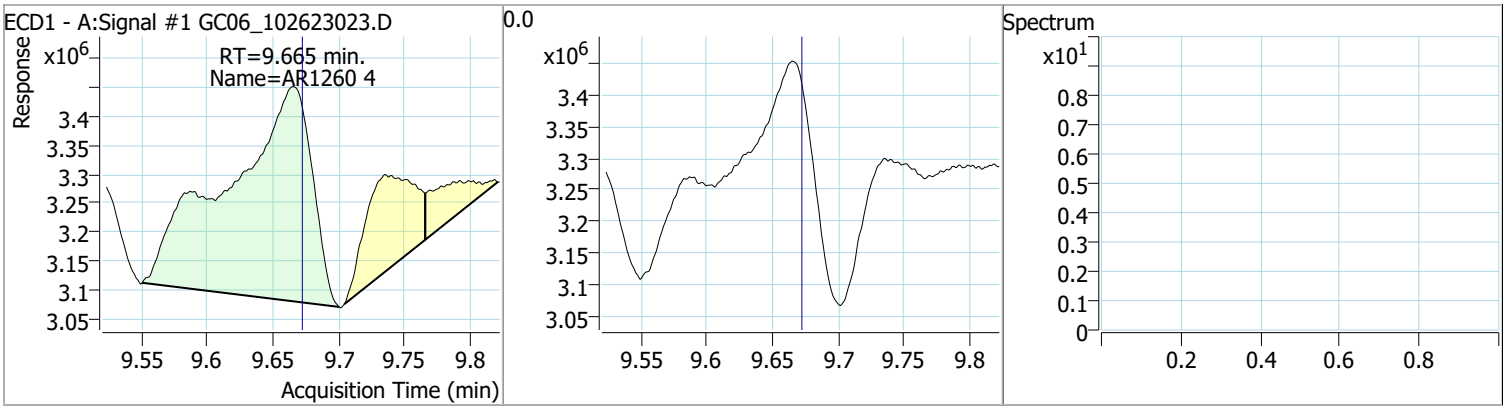
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.5822	9.25	0.14	26144				



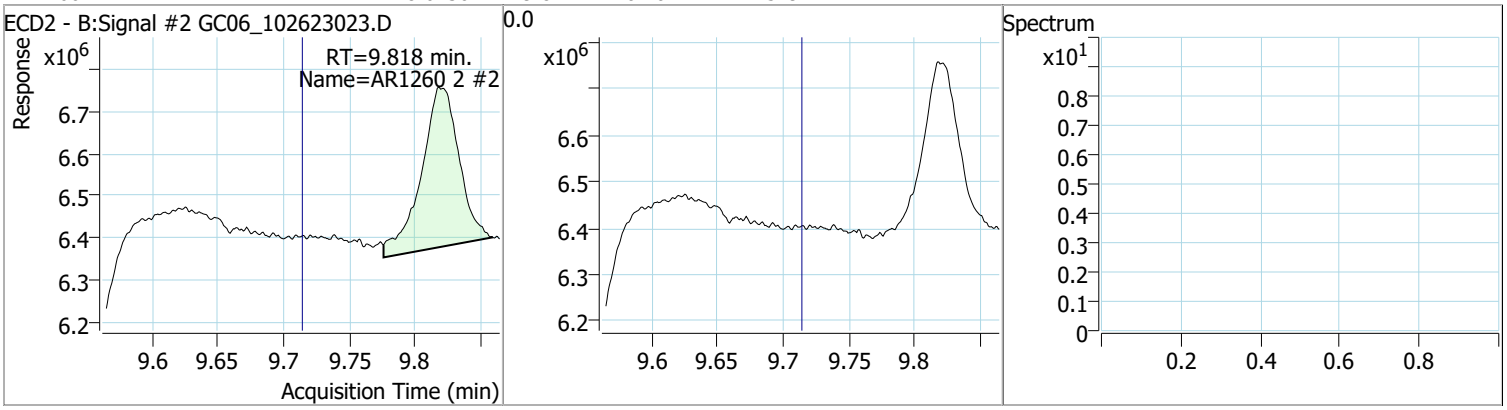
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	31.8887	9.40	-0.01	1076287				



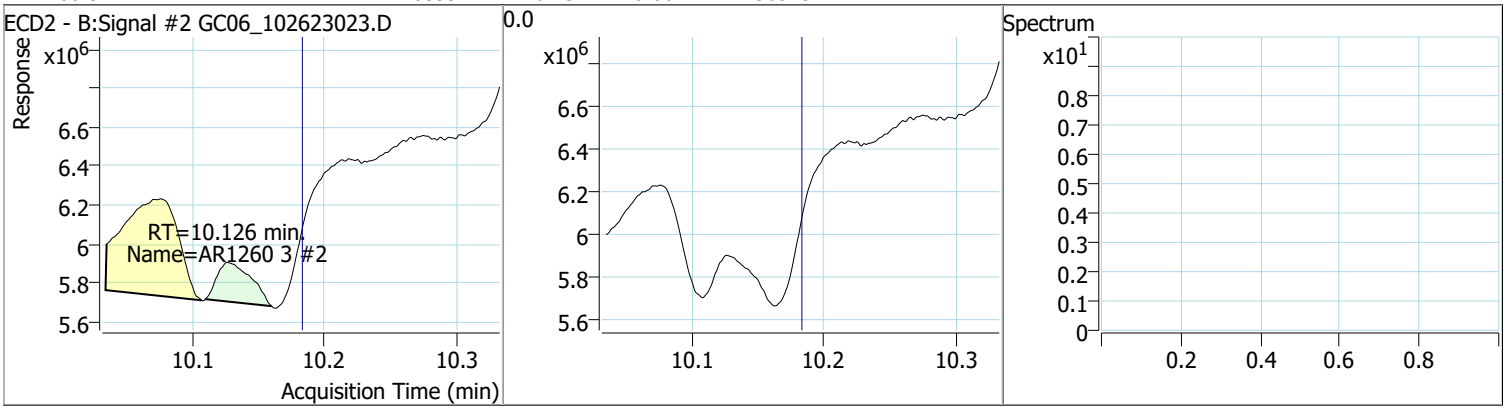
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	189.9107	9.67	-0.01	1649530				



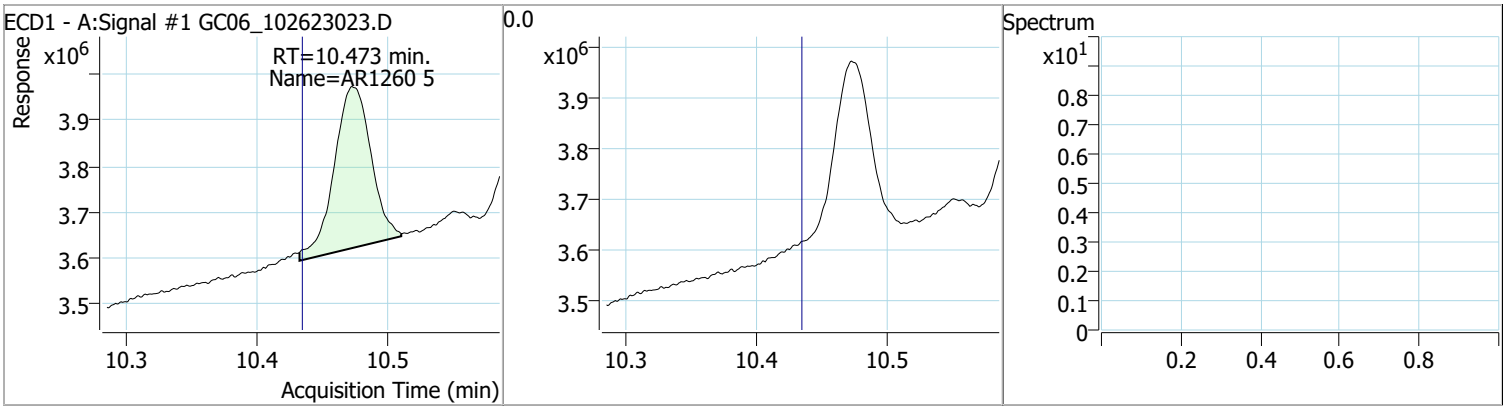
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	18.6130	9.82	0.10	757941				



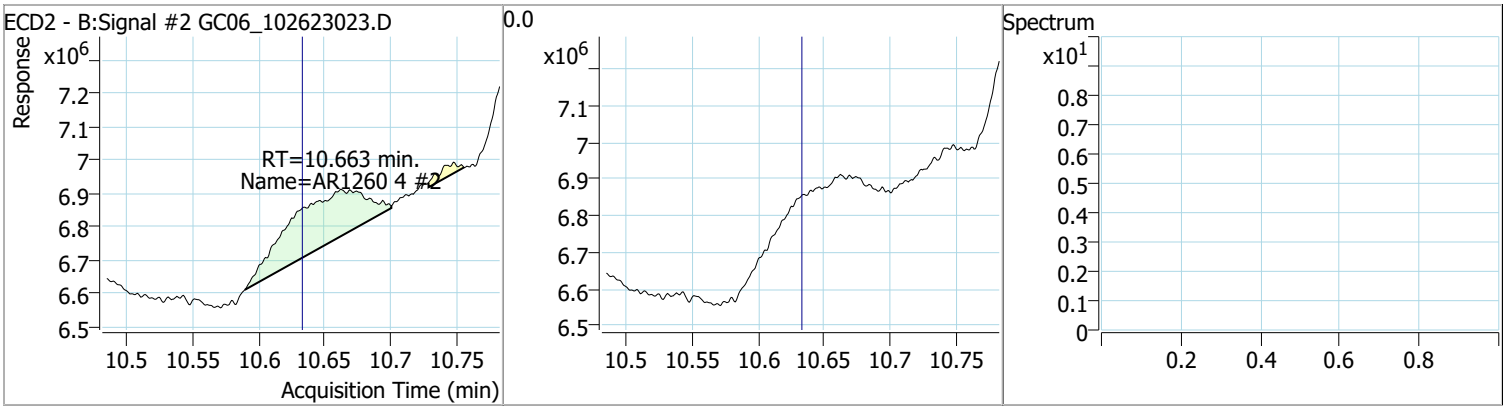
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.0399	10.13	-0.06	365434				



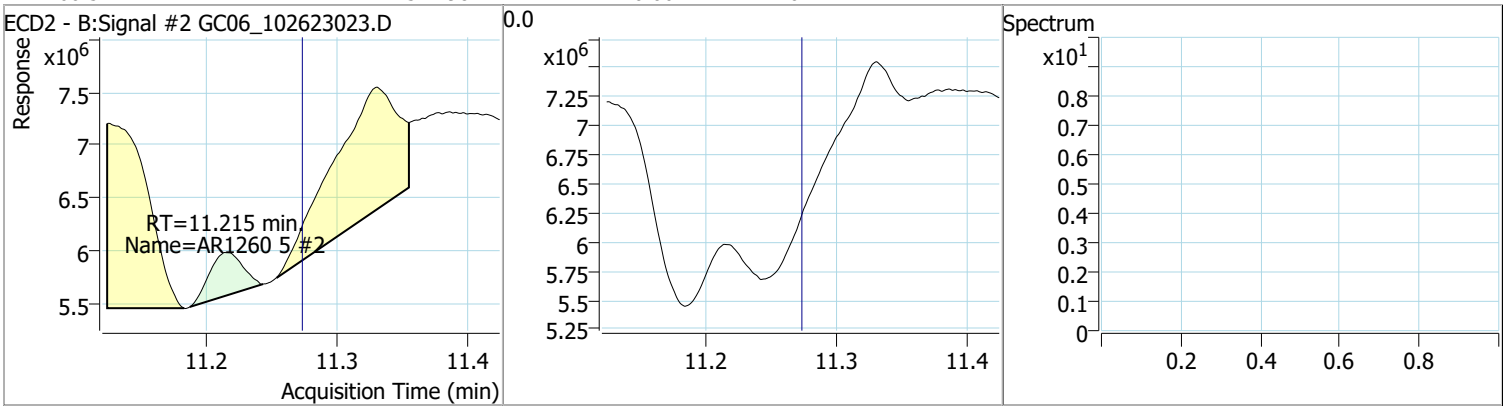
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	61.9673	10.47	0.04	686813				



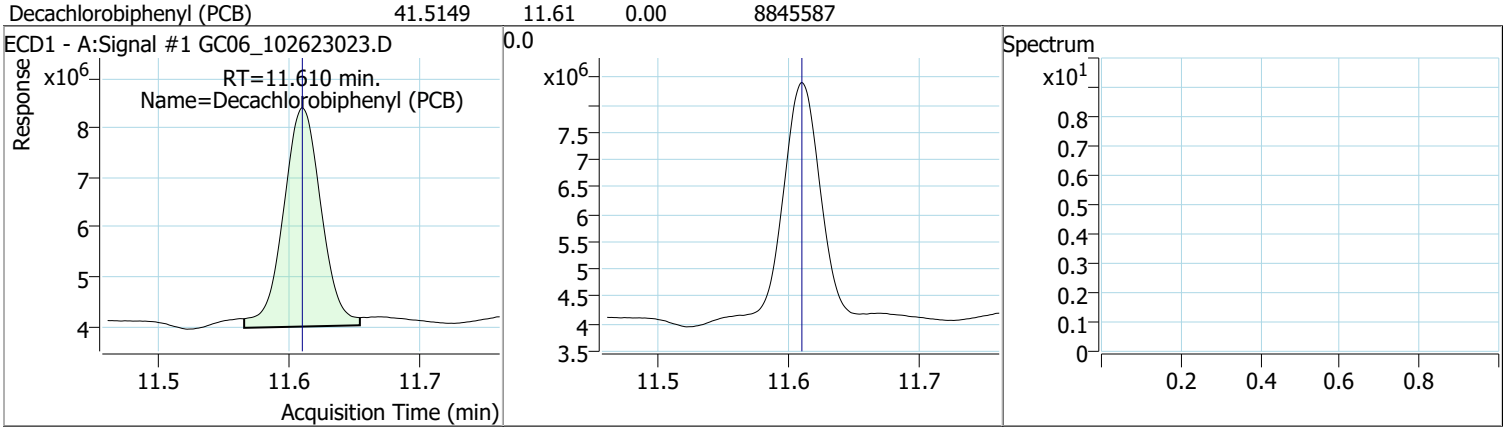
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.1438	10.66	0.03	635710				



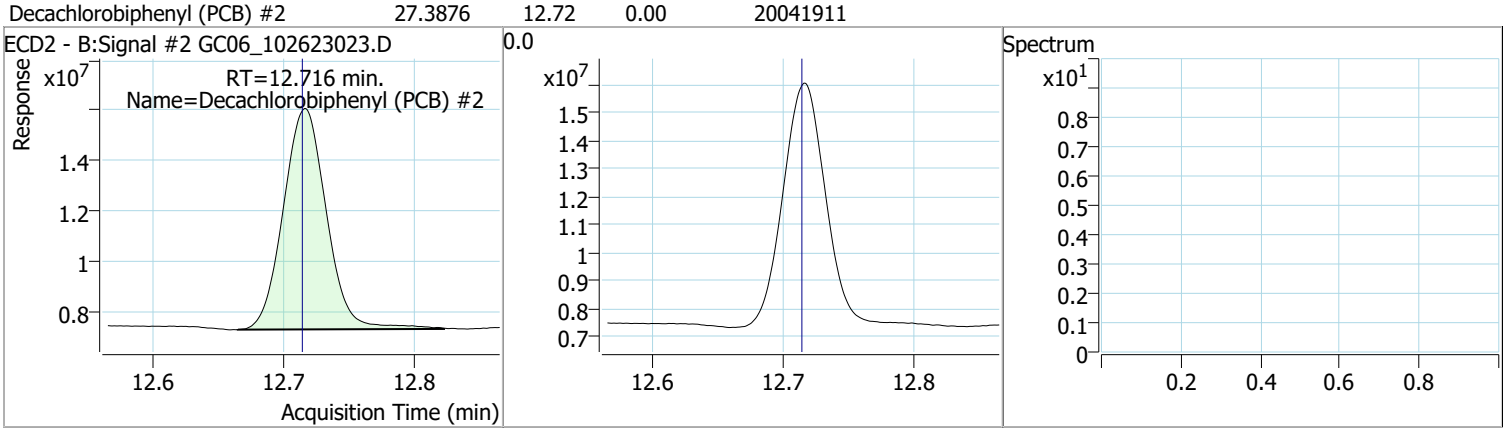
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.4798	11.22	-0.06	724022				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	41.5149	11.61	0.00	8845587				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.3876	12.72	0.00	20041911				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	494459-015	Client ID:	AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-P-FB
Seqnum:	453431278024	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_102623024	Batch:	325199	Time:	26-OCT-2023 19:41
Cal:	453416704002	Caldate:	16-OCT-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	37.43	ND	1.5	121%	0.50		u
Aroclor-1016 Peak # 1	B	79.47	0.79	1.60	67%			
Aroclor-1016 Peak # 2	B	48.03	0.48	0.43	11%			
Aroclor-1016 Peak # 3	B	52.63	0.53	4.23	156%			
Aroclor-1016 Peak # 4	B	3.973	0.04	0.20	134%			
Aroclor-1016 Peak # 5	B	3.022	0.03	1.14	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	11.91	ND	0.88	152%	0.50		u
Aroclor-1260 Peak # 1	B	22.92	0.23	1.64	151%			
Aroclor-1260 Peak # 2	B	6.928	0.07	0.02	121%			
Aroclor-1260 Peak # 3	B	7.405	0.07	0.29	119%			
Aroclor-1260 Peak # 4	B	13.20	0.13	1.97	175%			
Aroclor-1260 Peak # 5	B	9.112	0.09	0.45	133%			
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	36.97	0.5000	0.3697	74	19-121	u
Decachlorobiphenyl (PCB)	B	28.58	0.5000	0.2858	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_102623004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	13324070	33.60
1-bromo-2-nitrobenzene (PCB)	A	3468805	3438653	-0.87

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_102623004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

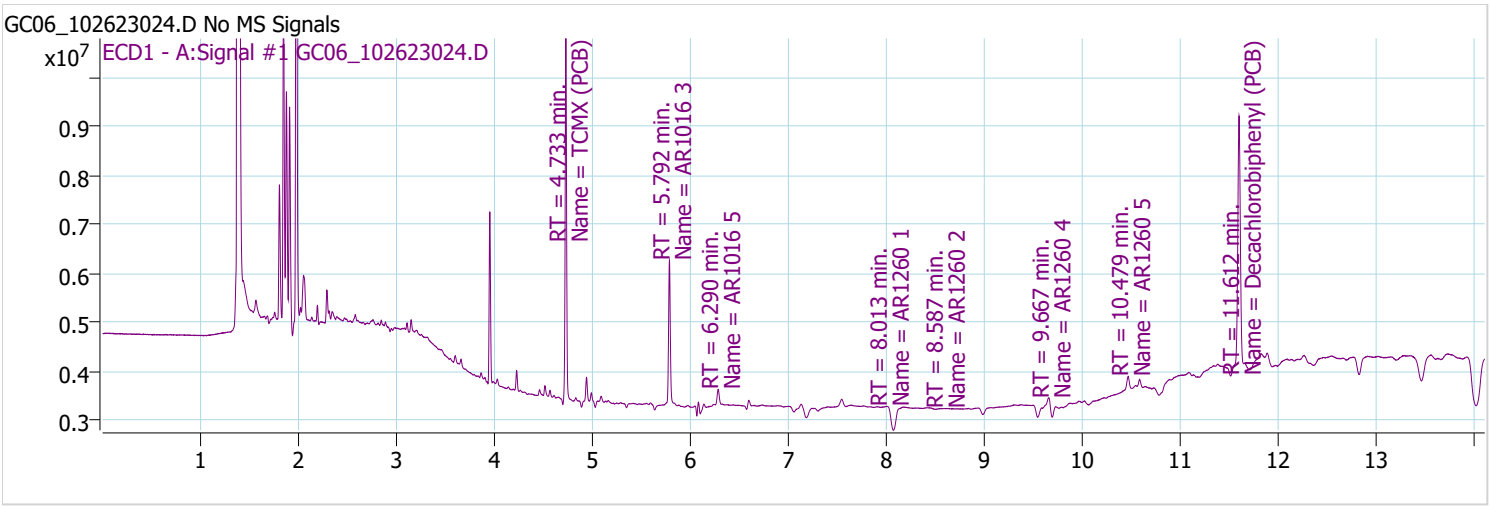
10/27/23 : WIPE/1DM^2-10ML

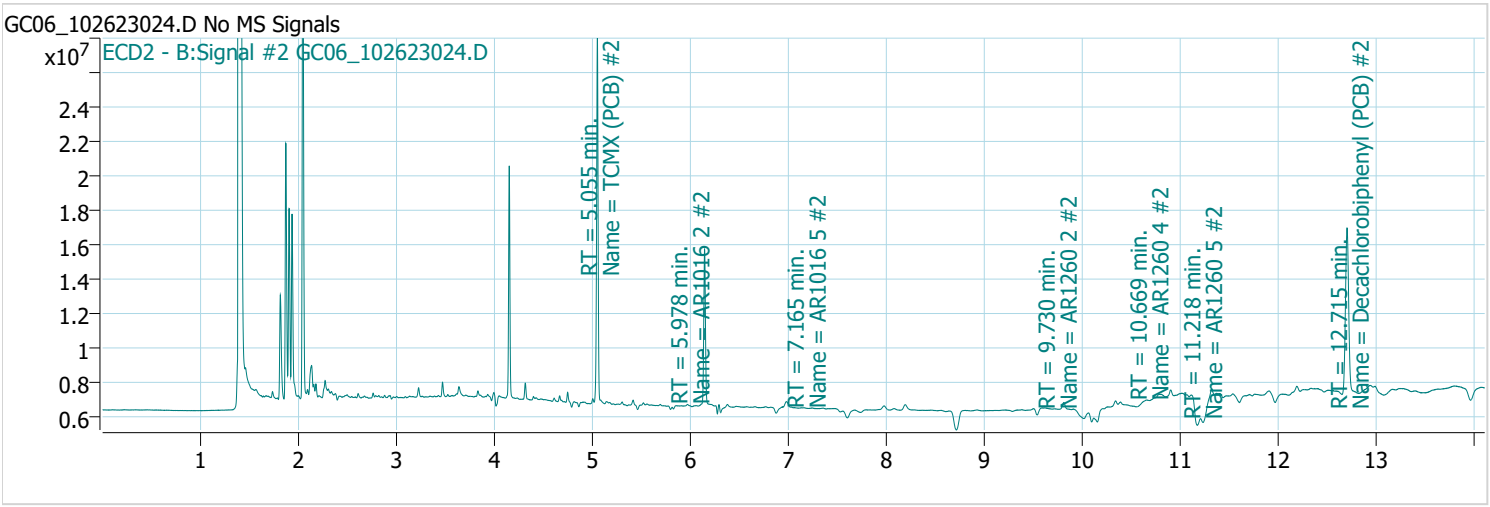
-=low bias c=CCV u=use

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623024.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 7:41:25 PM
Sample Name	494459-015, 325199, 1	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



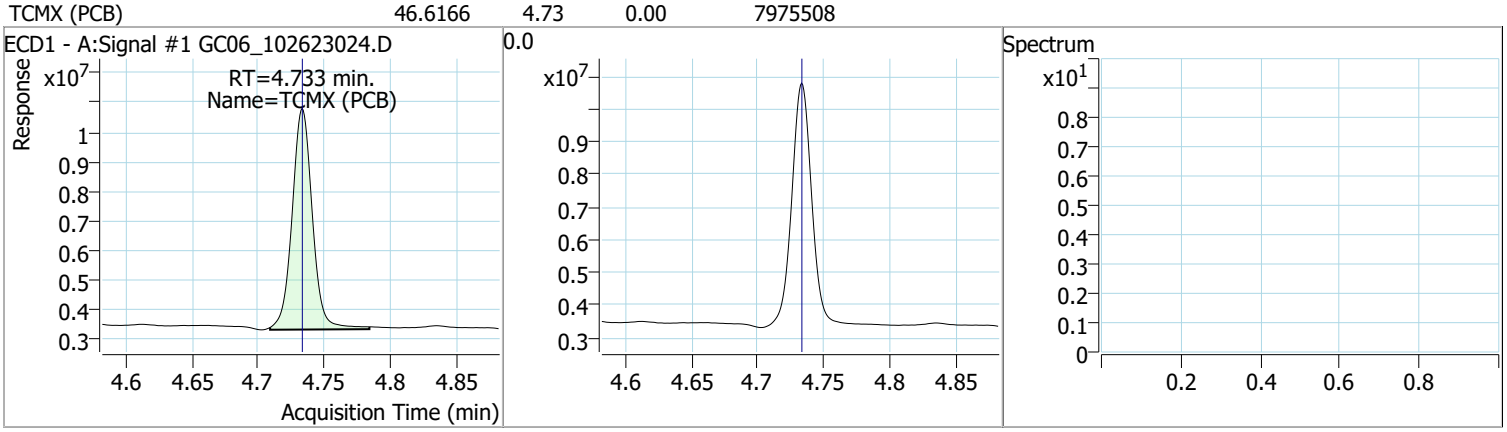


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.956	0.0	3438652.630	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	13324070.322	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	7975508.025	46.6166	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 233.08%		*	
S TCMX (PCB) #2	5.055	0.0	23158167.916	36.9751	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.88%		*	
S Decachlorobiphenyl (PCB)	11.612	0.0	9970879.554	45.4553	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.28%		*	
S Decachlorobiphenyl (PCB) #2	12.715	0.0	21858144.881	28.5789	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.89%			
Target Compounds							QValue

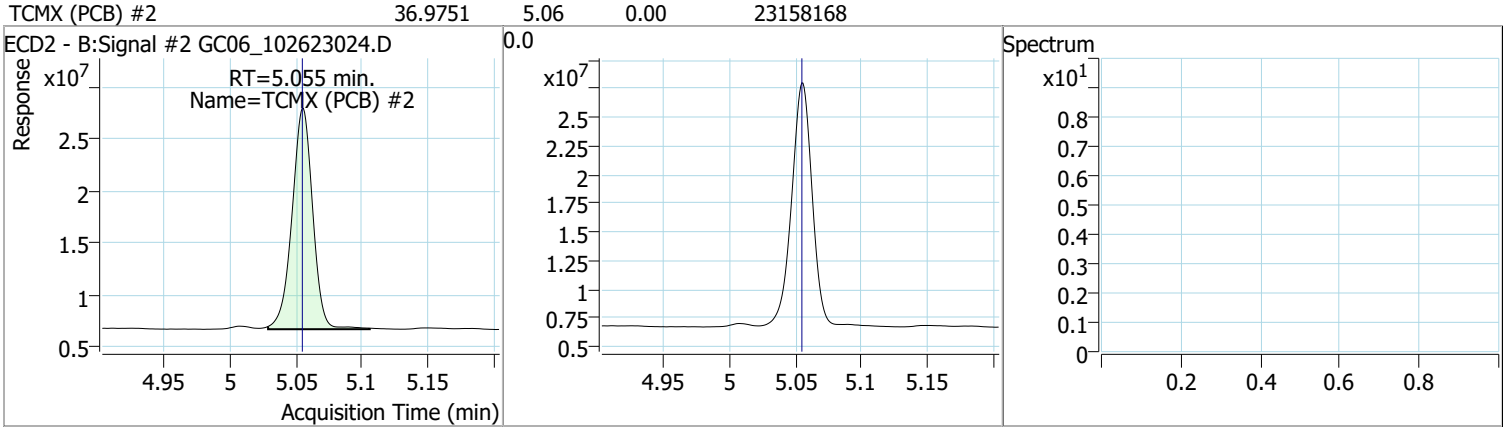
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.093	0.0	597080.248	159.9825	ng/ml	100
T AR1016 2	5.419	0.0	321256.029	42.8866	ng/ml	100
T AR1016 1 #2	5.526	0.0	979121.009	79.4700	ng/ml	100
T AR1016 3	5.792	0.0	3835465.137	423.0896	ng/ml	100
T AR1016 2 #2	5.978	0.0	1235065.135	48.0343	ng/ml	100
T AR1016 4	5.889	0.0	120029.972	20.0062	ng/ml	100
T AR1016 5	6.290	0.0	614543.639	113.8265	ng/ml	100
T AR1016 3 #2	6.385	0.0	1800746.886	52.6312	ng/ml	100
T AR1016 4 #2	6.578	0.0	91320.810	3.9731	ng/ml	100
T AR1016 5 #2	7.165	0.0	57377.830	3.0217	ng/ml	100
T AR1260 1	8.013	0.0	1706305.134	164.1250	ng/ml	100
T AR1260 2	8.587	0.0	27598.186	1.7036	ng/ml	100
T AR1260 3	9.208	0.0	499325.576	29.3529	ng/ml	100
T AR1260 1 #2	9.391	0.0	808592.389	22.9222	ng/ml	100
T AR1260 4	9.667	0.0	1766003.877	197.4944	ng/ml	100
T AR1260 2 #2	9.730	0.0	294856.947	6.9280	ng/ml	100
T AR1260 3 #2	10.128	0.0	401769.780	7.4054	ng/ml	100
T AR1260 5	10.479	0.0	518658.619	45.4548	ng/ml	100
T AR1260 4 #2	10.669	0.0	435267.434	13.1964	ng/ml	100
T AR1260 5 #2	11.218	0.0	445446.103	9.1122	ng/ml	100

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

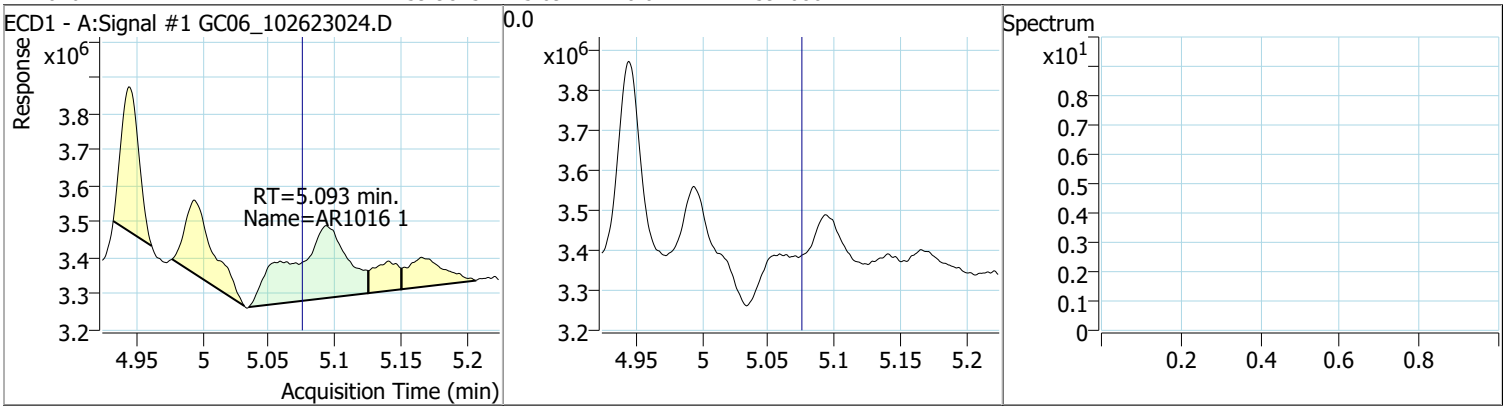
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.6166	4.73	0.00	7975508				



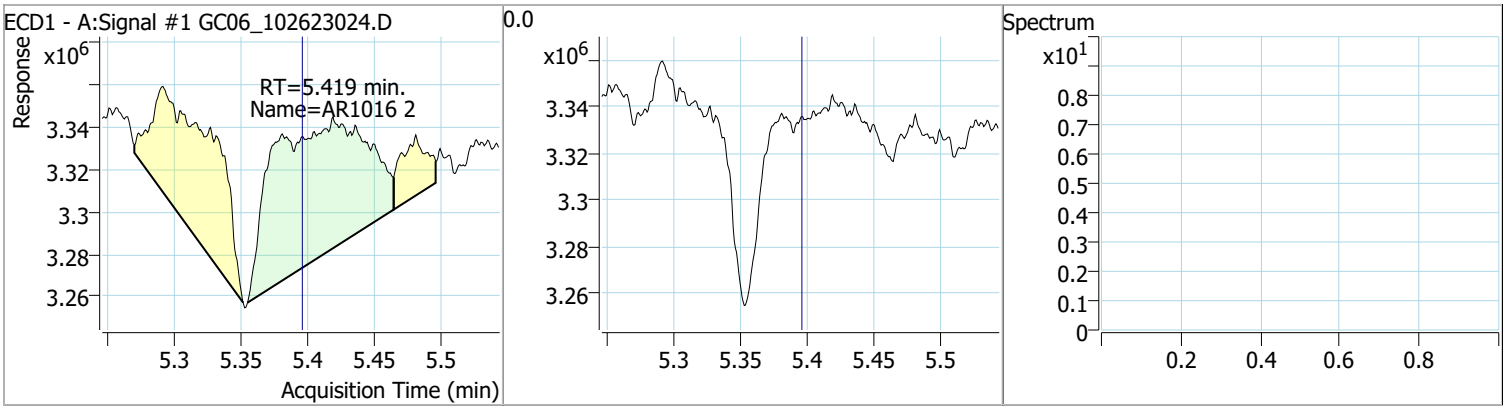
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.9751	5.06	0.00	23158168				



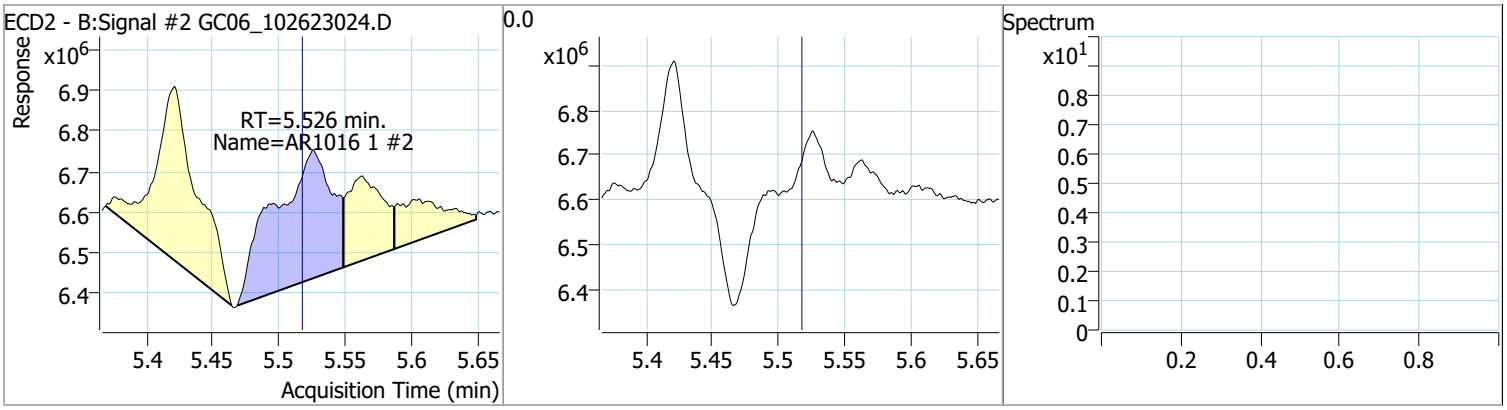
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	159.9825	5.09	0.02	597080				



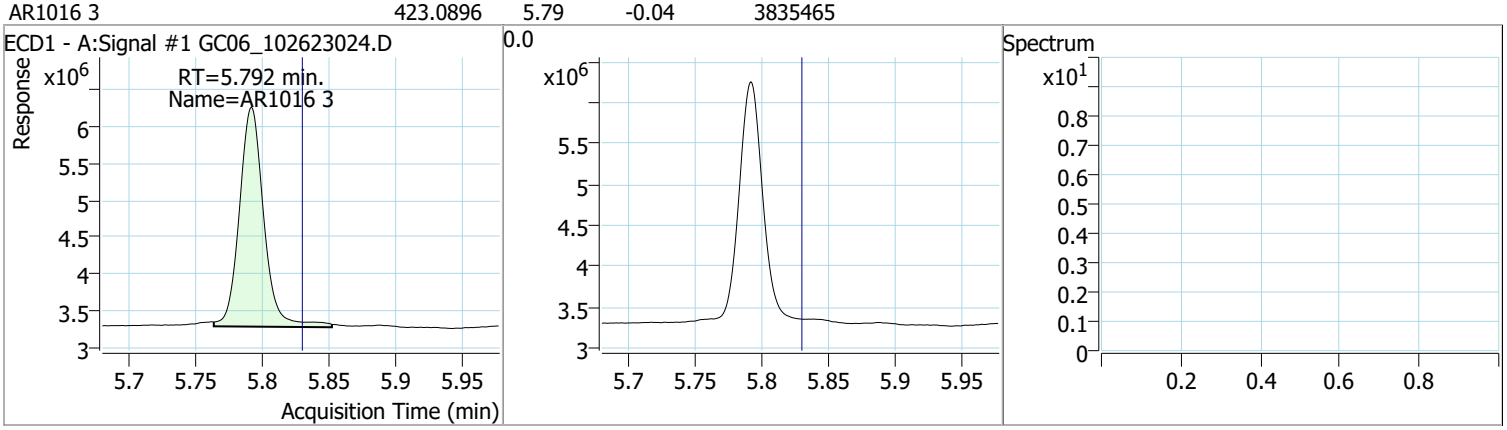
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	42.8866	5.42	0.02	321256				



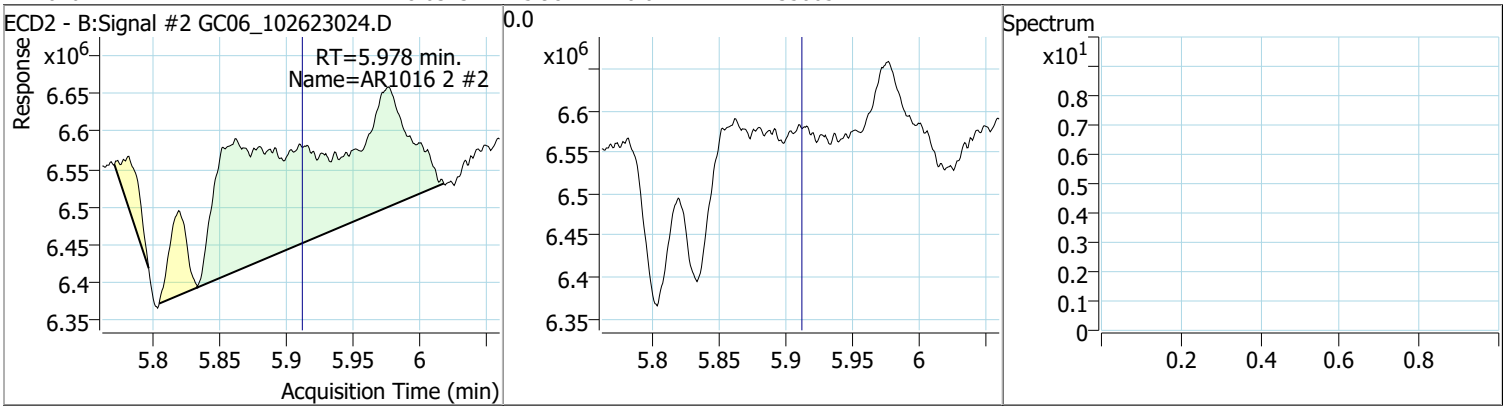
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	79.4700	5.53	0.01	979121				



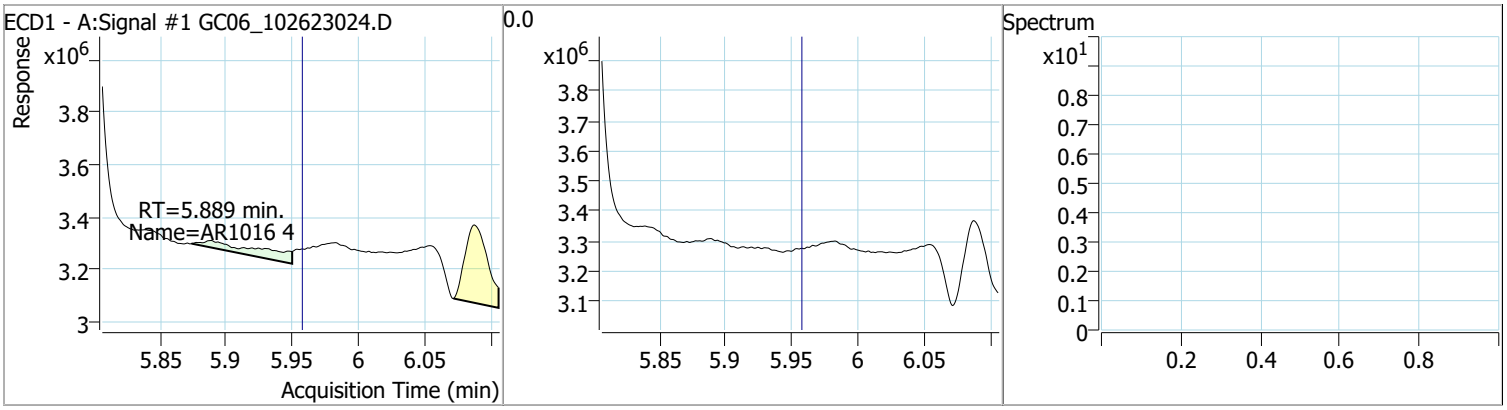
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	423.0896	5.79	-0.04	3835465				



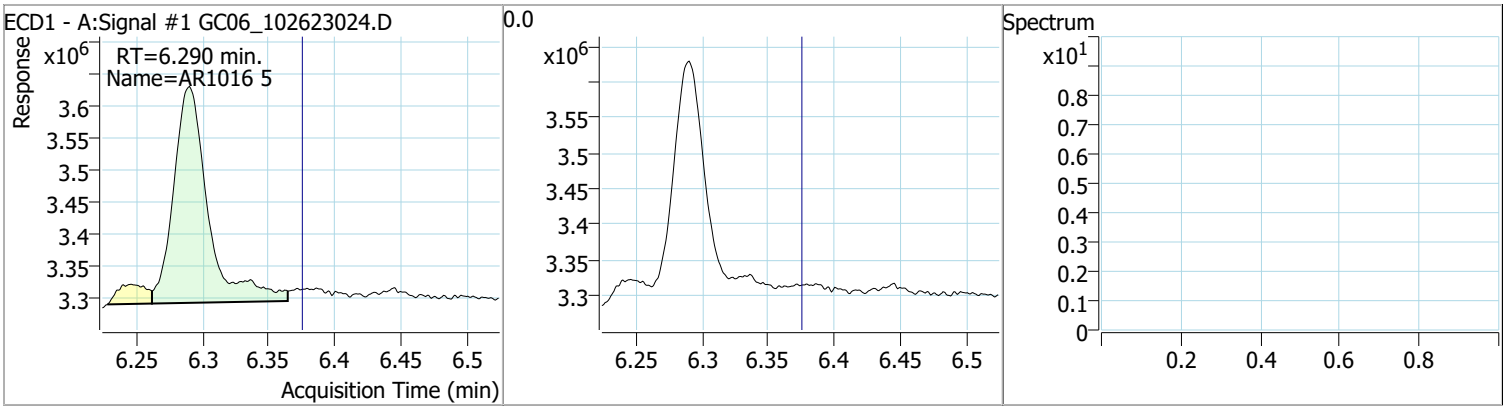
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	48.0343	5.98	0.07	1235065				



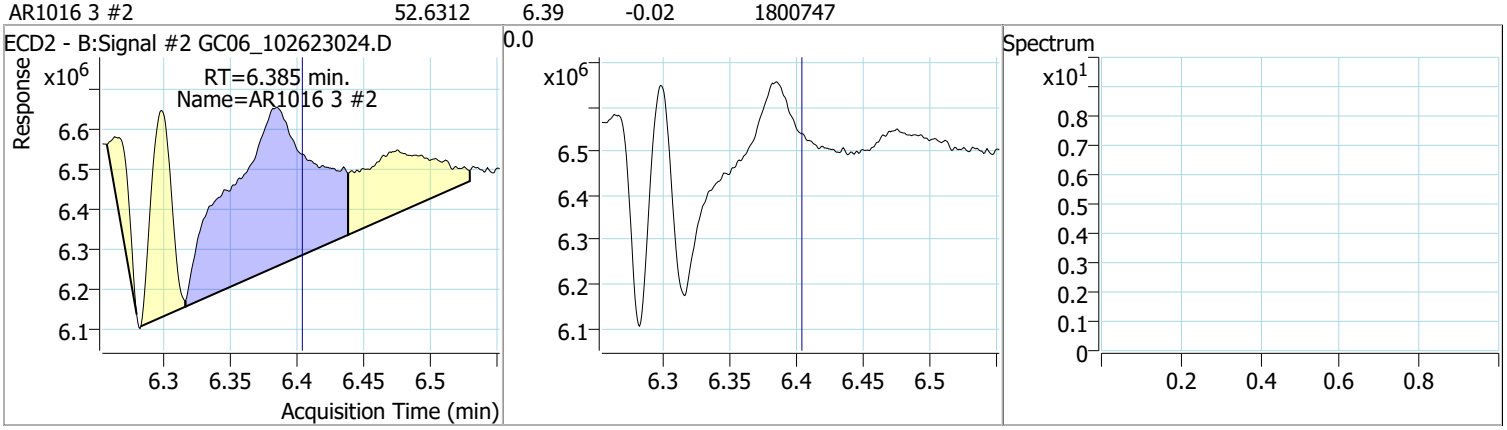
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	20.0062	5.89	-0.07	120030				



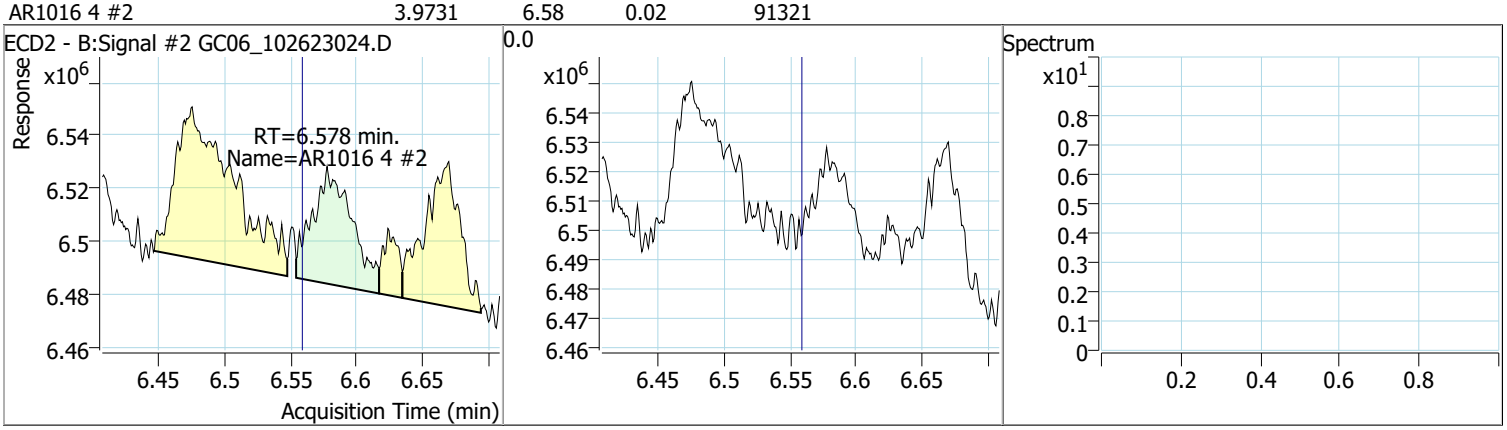
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	113.8265	6.29	-0.08	614544				



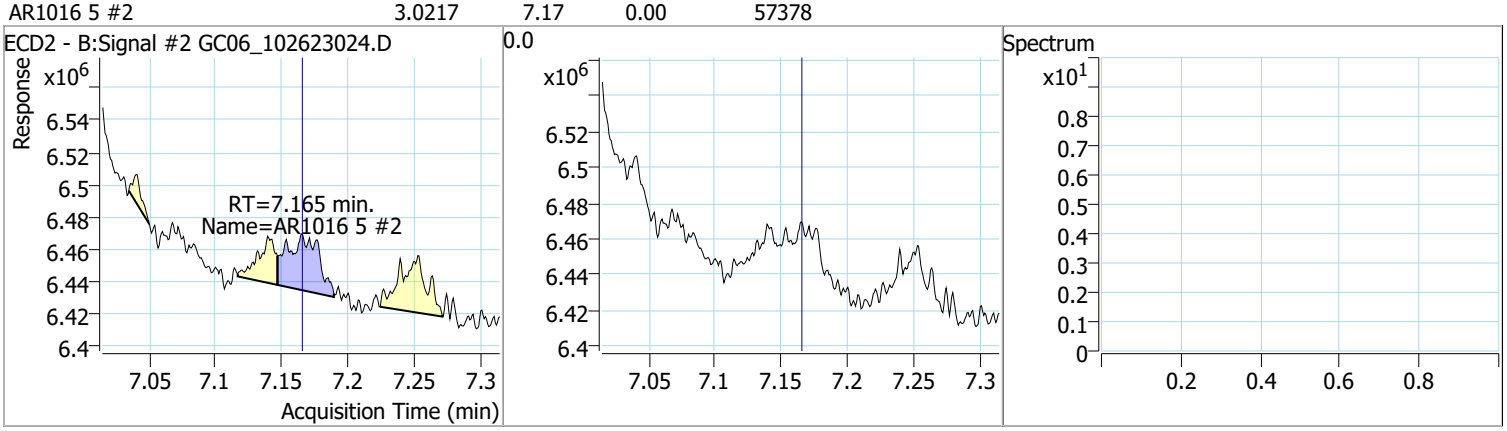
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	52.6312	6.39	-0.02	1800747				



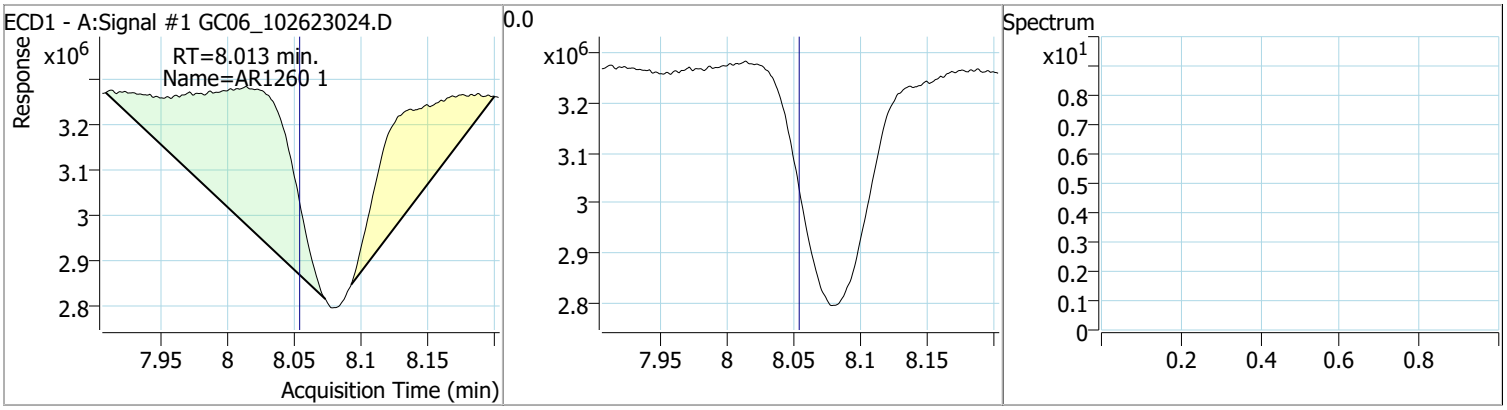
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.9731	6.58	0.02	91321				



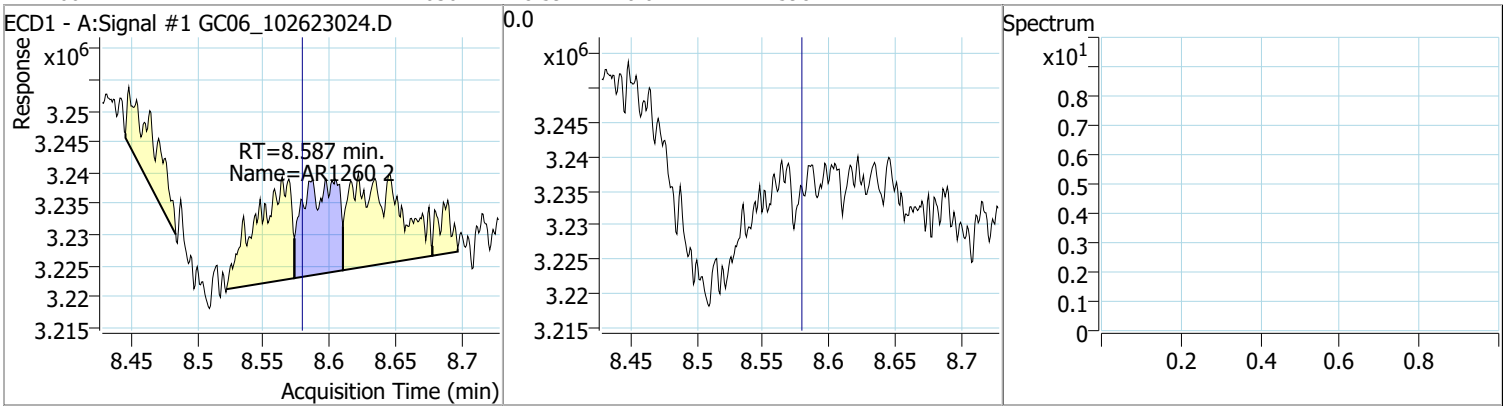
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.0217	7.17	0.00	57378				



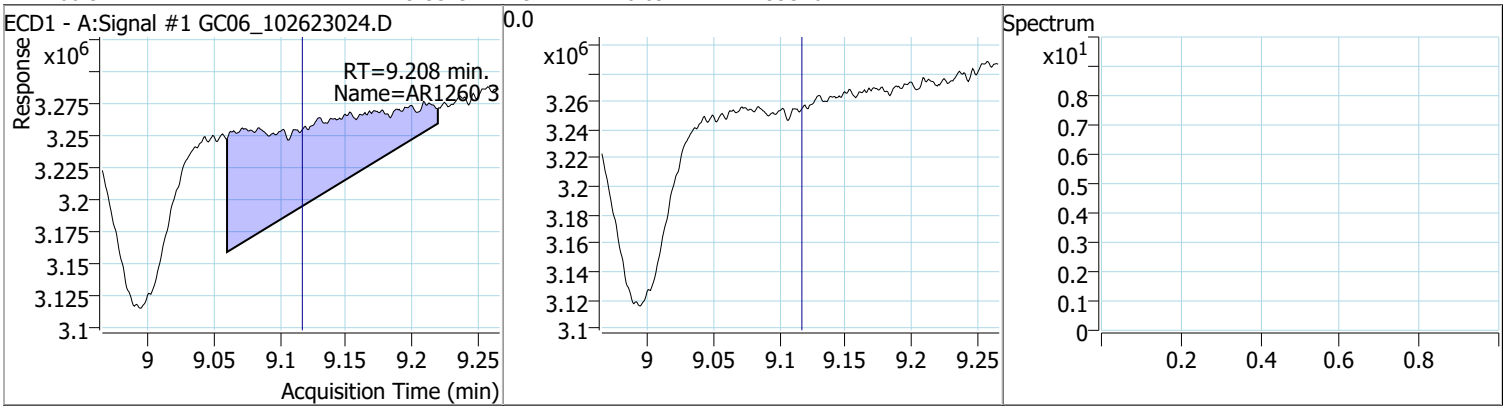
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	164.1250	8.01	-0.04	1706305				



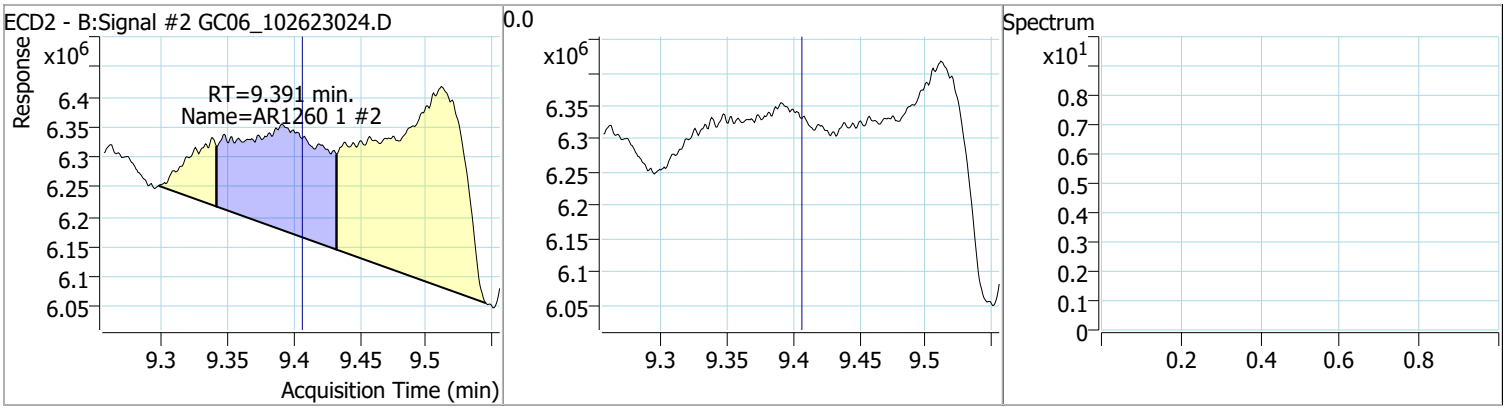
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.7036	8.59	0.01	27598				



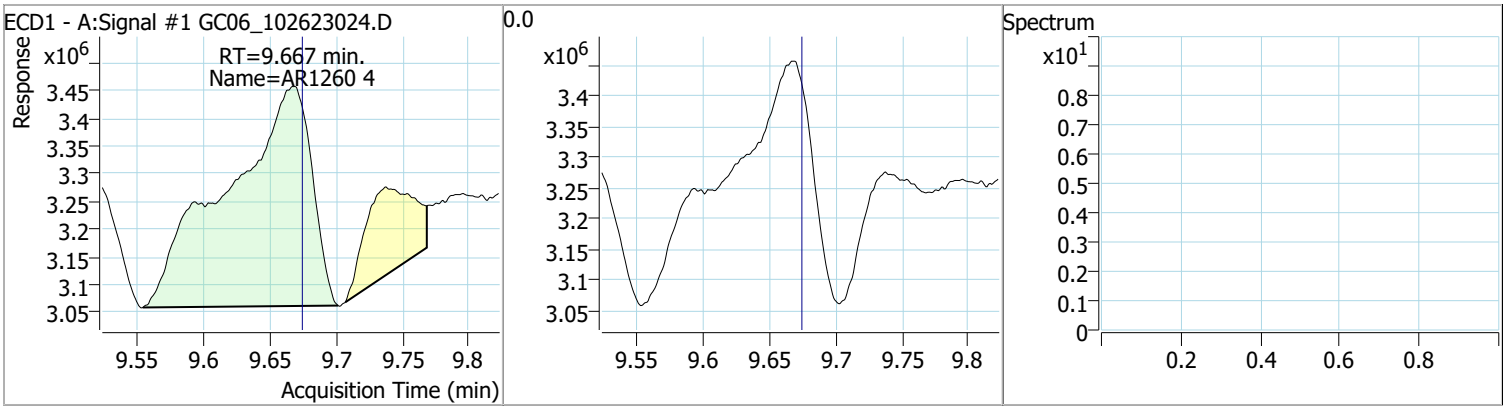
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	29.3529	9.21	0.09	499326				



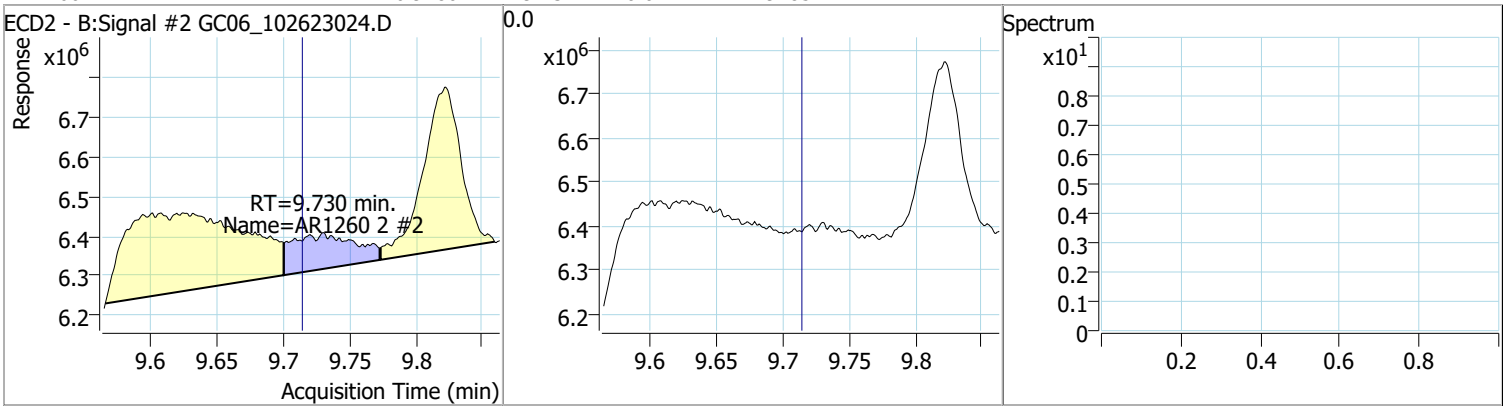
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	22.9222	9.39	-0.02	808592				



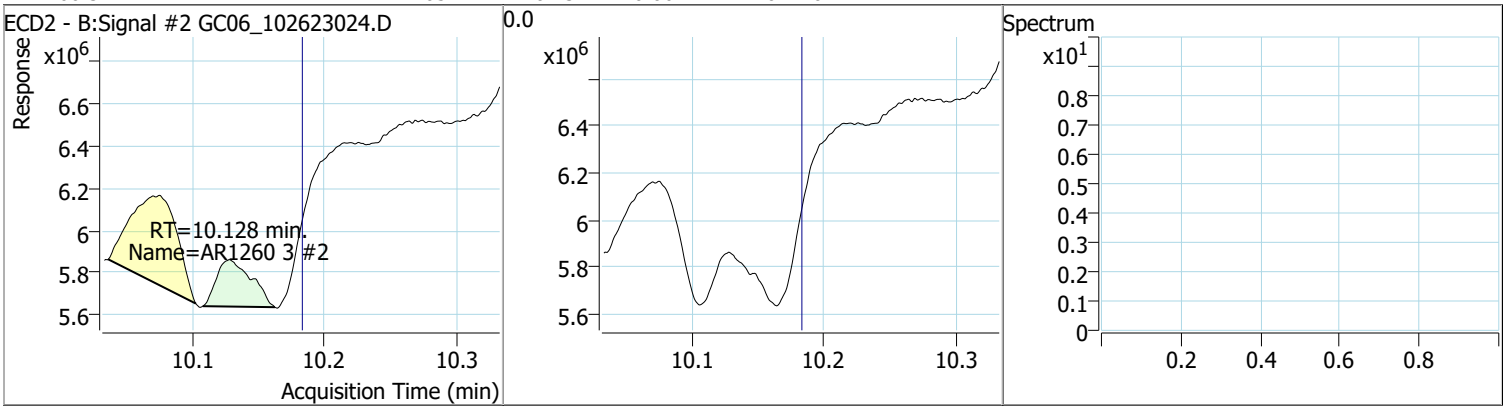
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	197.4944	9.67	-0.01	1766004				



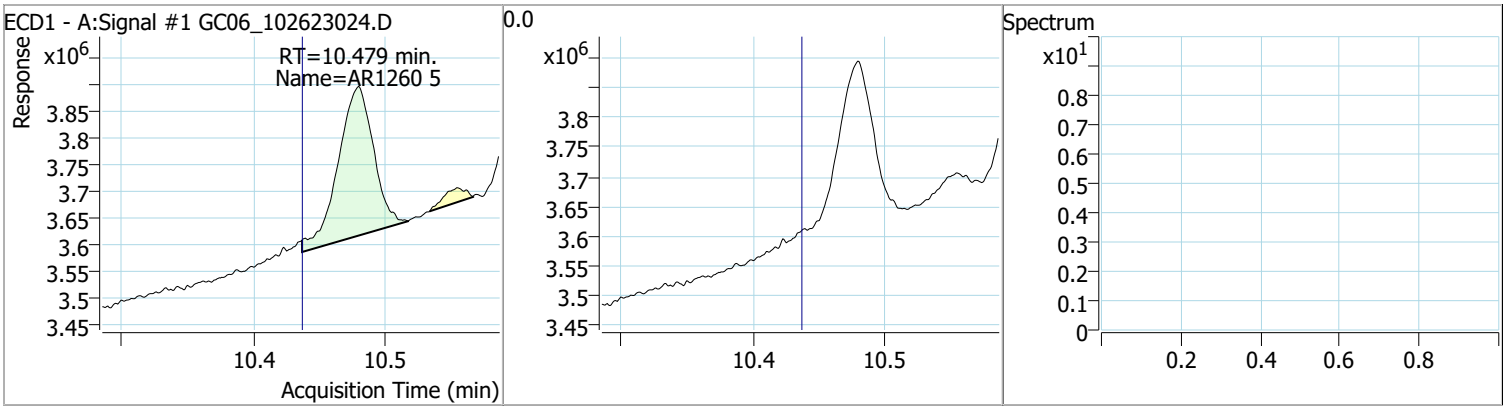
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.9280	9.73	0.02	294857				



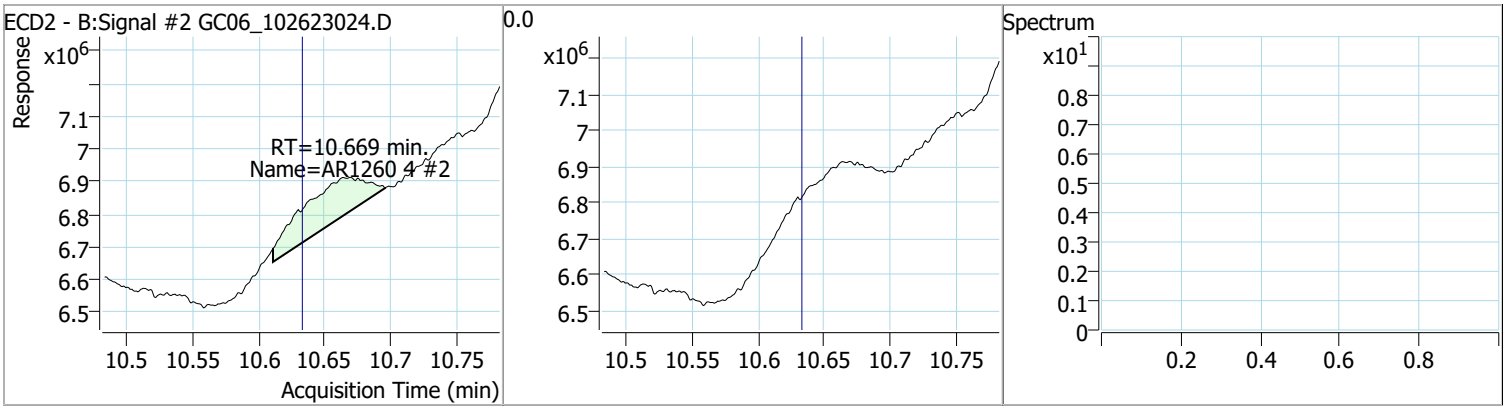
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.4054	10.13	-0.06	401770				



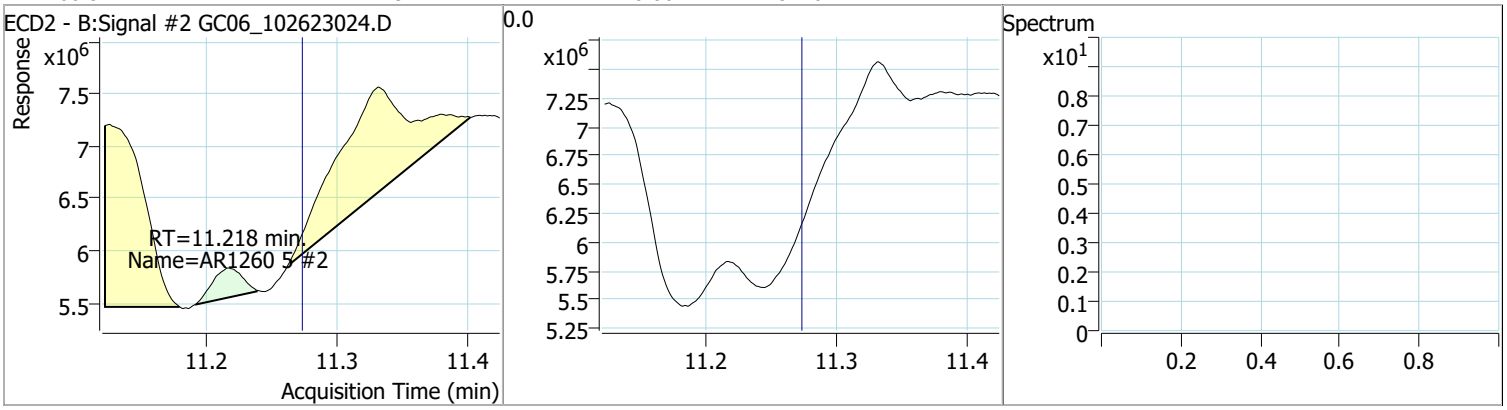
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	45.4548	10.48	0.04	518659				



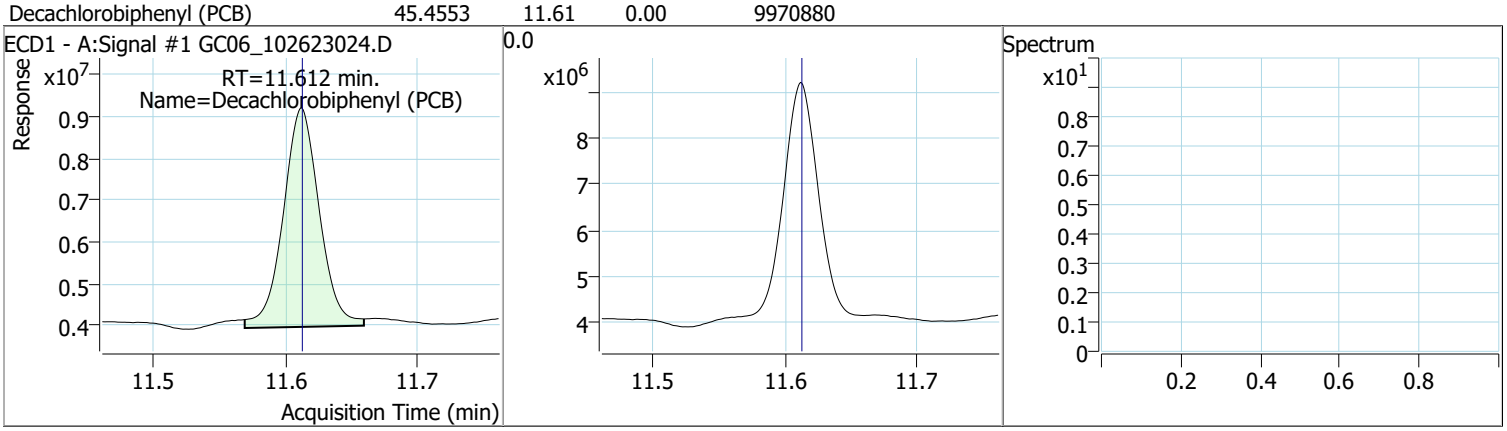
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.1964	10.67	0.04	435267				



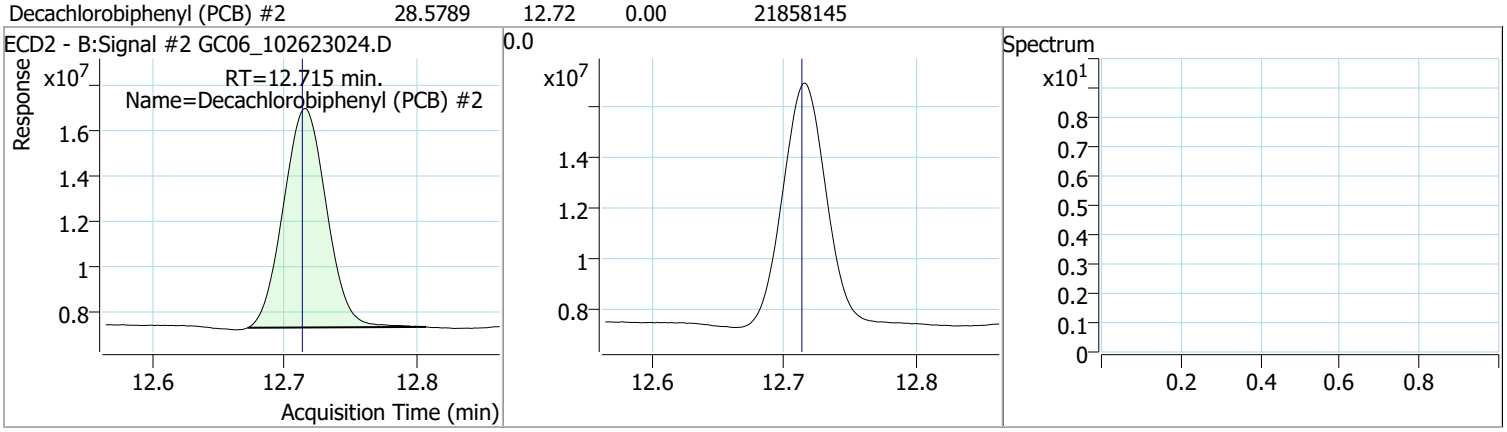
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	9.1122	11.22	-0.06	445446				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.4553	11.61	0.00	9970880				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.5789	12.72	0.00	21858145				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	494459-023	Client ID:	231023-P-FIELDBLANK1-HO
Seqnum:	453431278025	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_102623025	Batch:	325199	Time:	26-OCT-2023 20:00
Cal:	453416704002	Caldate:	16-OCT-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	33.60	ND	1.7	133%	0.50		u
Aroclor-1016 Peak # 1	B	62.48	0.62	1.50	83%			
Aroclor-1016 Peak # 2	B	39.54	0.40	0.13	100%			
Aroclor-1016 Peak # 3	B	59.09	0.59	4.74	156%			
Aroclor-1016 Peak # 4	B	2.022	0.02	1.84	196%			
Aroclor-1016 Peak # 5	B	4.868	0.05	0.16	106%			
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	26.70	ND	1.0	119%	0.50		u
Aroclor-1260 Peak # 1	B	36.27	0.36	1.81	133%			
Aroclor-1260 Peak # 2	B	20.02	0.20	0.08	83%			
Aroclor-1260 Peak # 3	B	7.767	0.08	0.35	128%			
Aroclor-1260 Peak # 4	B	0.3455	0.00	2.18	199%			
Aroclor-1260 Peak # 5	B	69.10	0.69	0.79	13%			
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	38.47	0.5000	0.3847	77	19-121	u
Decachlorobiphenyl (PCB)	B	32.58	0.5000	0.3258	65	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_102623004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	12666296	27.00
1-bromo-2-nitrobenzene (PCB)	A	3468805	3268638	-5.77

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

ISTD (CCV gc06_102623004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

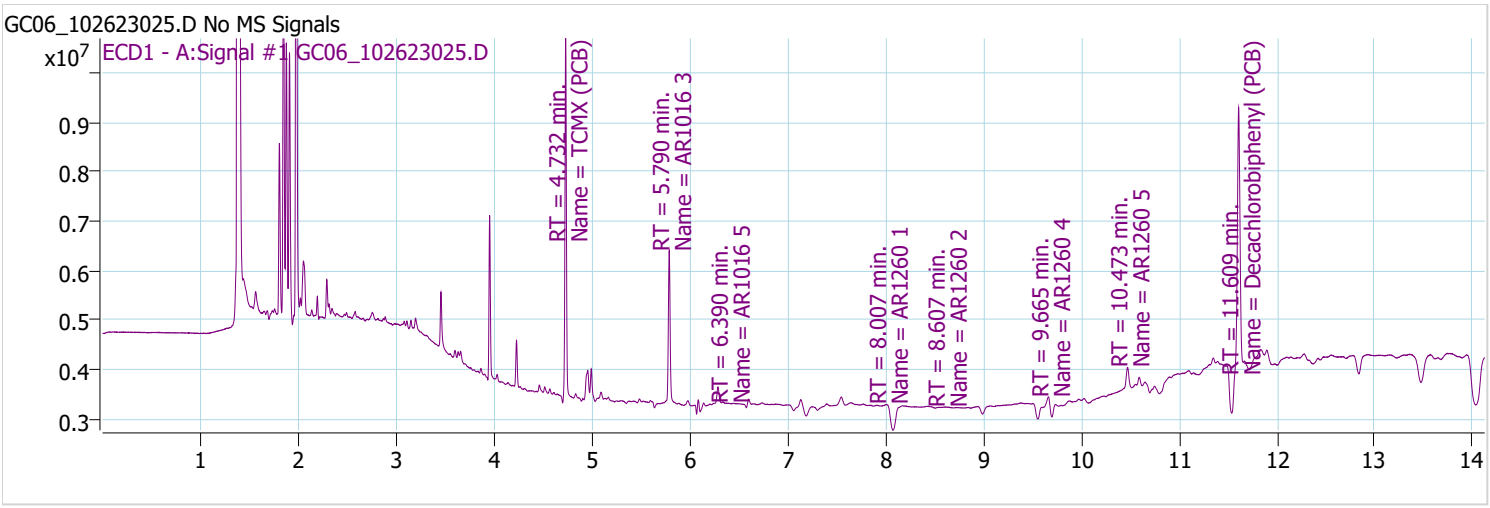
10/27/23 : WIPE/1DM^2-10ML

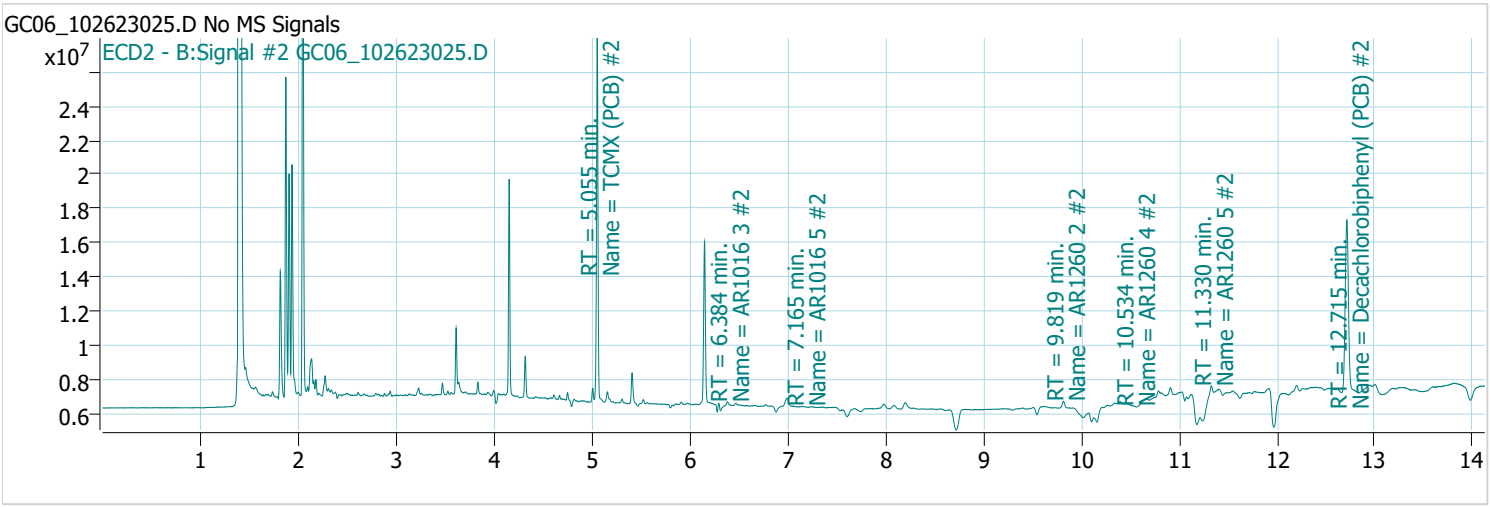
-=low bias c=CCV u=use

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623025.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 8:00:29 PM
Sample Name	494459-023, 325199, 1	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



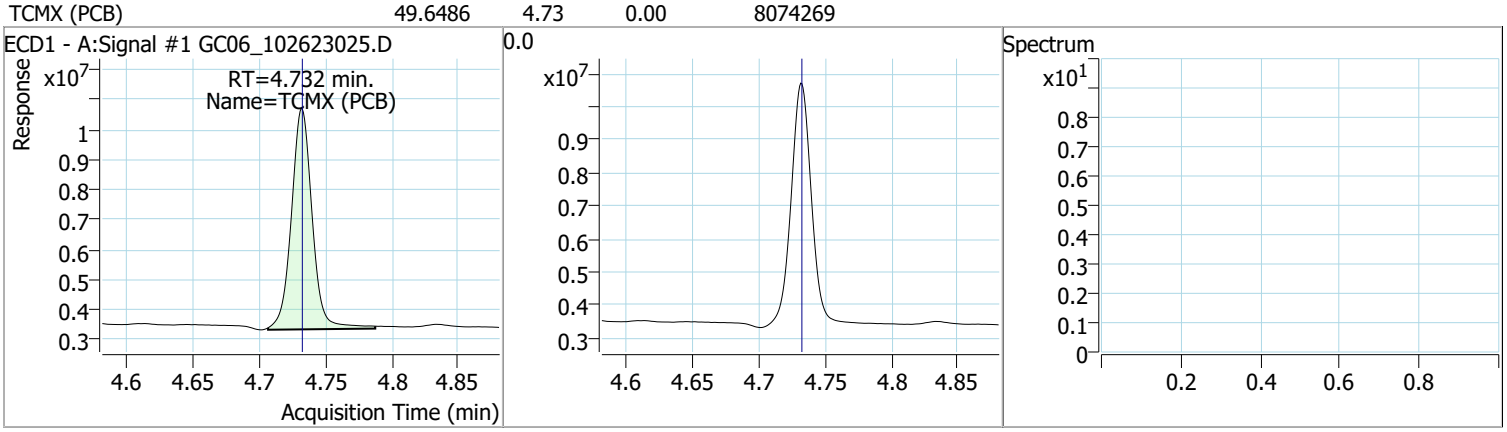


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.955	0.0	3268637.783	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	12666296.276	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.732	0.0	8074268.614	49.6486	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 248.24%		*	
S TCMX (PCB) #2	5.055	0.0	22907866.399	38.4748	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.37%		*	
S Decachlorobiphenyl (PCB)	11.609	0.0	14058144.033	67.4219	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 337.11%		*	
S Decachlorobiphenyl (PCB) #2	12.715	0.0	23691300.200	32.5843	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.92%		*	
Target Compounds							QValue

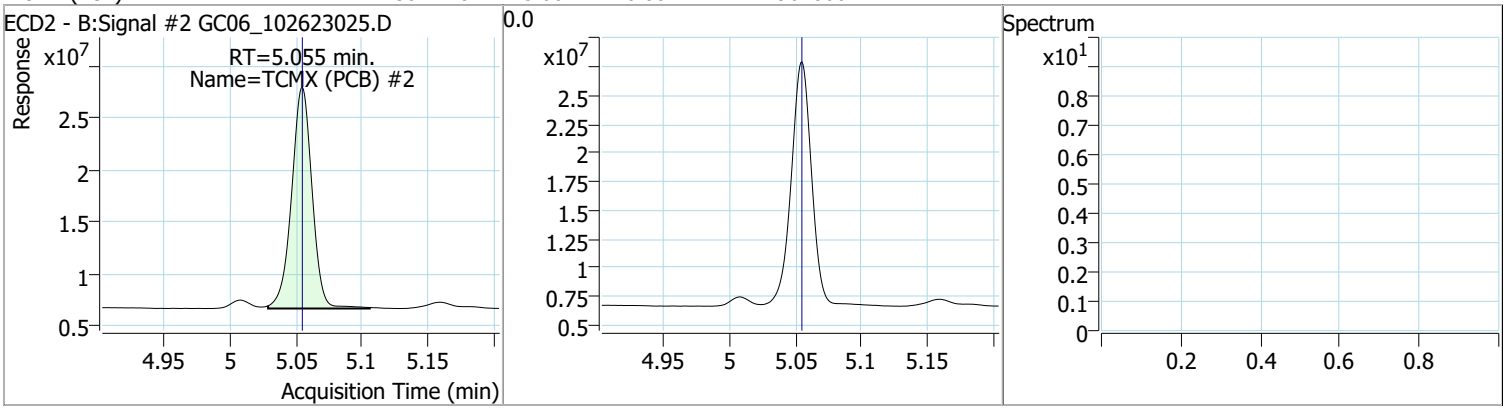
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.093	0.0	533210.680	150.3004	ng/ml	100
T AR1016 2	5.381	0.0	93401.299	13.1173	ng/ml	100
T AR1016 1 #2	5.525	0.0	731830.452	62.4834	ng/ml	100
T AR1016 3	5.790	0.0	4083560.457	473.8871	ng/ml	100
T AR1016 2 #2	5.914	0.0	966448.201	39.5392	ng/ml	100
T AR1016 4	5.982	0.0	1048875.942	183.9160	ng/ml	100
T AR1016 5	6.390	0.0	80810.838	15.7464	ng/ml	100
T AR1016 3 #2	6.384	0.0	1922002.517	59.0925	ng/ml	100
T AR1016 4 #2	6.588	0.0	44186.091	2.0223	ng/ml	100
T AR1016 5 #2	7.165	0.0	87873.338	4.8680	ng/ml	100
T AR1260 1	8.007	0.0	1791021.933	181.2343	ng/ml	100
T AR1260 2	8.607	0.0	127946.998	8.3088	ng/ml	100
T AR1260 3	9.218	0.0	572253.649	35.3898	ng/ml	100
T AR1260 1 #2	9.405	0.0	1216278.218	36.2699	ng/ml	100
T AR1260 4	9.665	0.0	1853478.428	218.0581	ng/ml	100
T AR1260 2 #2	9.819	0.0	809839.425	20.0163	ng/ml	100
T AR1260 3 #2	10.128	0.0	400577.224	7.7669	ng/ml	100
T AR1260 5	10.473	0.0	854048.526	78.7413	ng/ml	100
T AR1260 4 #2	10.534	0.0	10832.624	0.3455	ng/ml	100
T AR1260 5 #2	11.330	0.0	3211033.218	69.0975	ng/ml	100

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

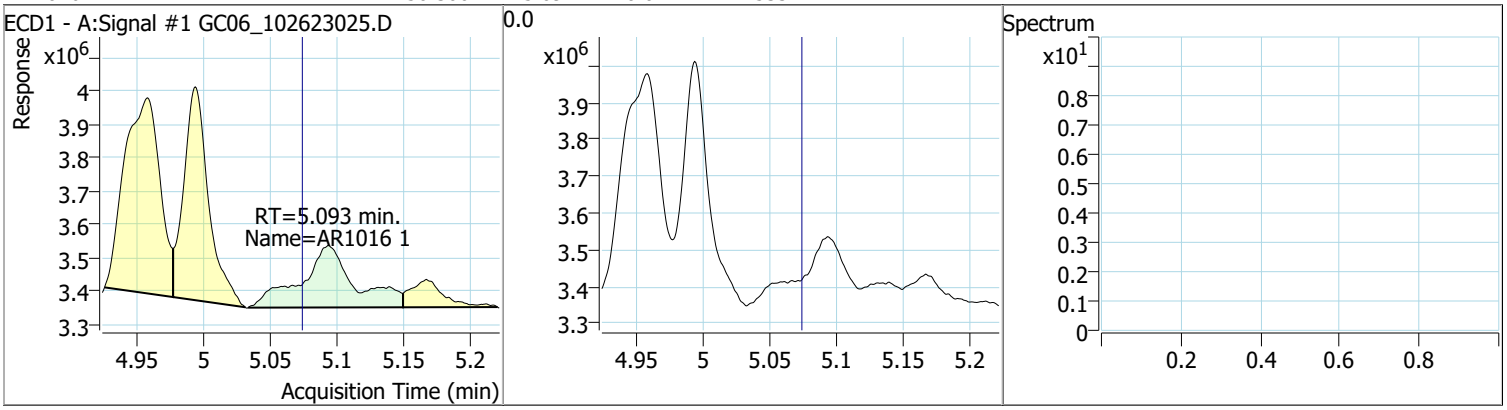
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.6486	4.73	0.00	8074269				



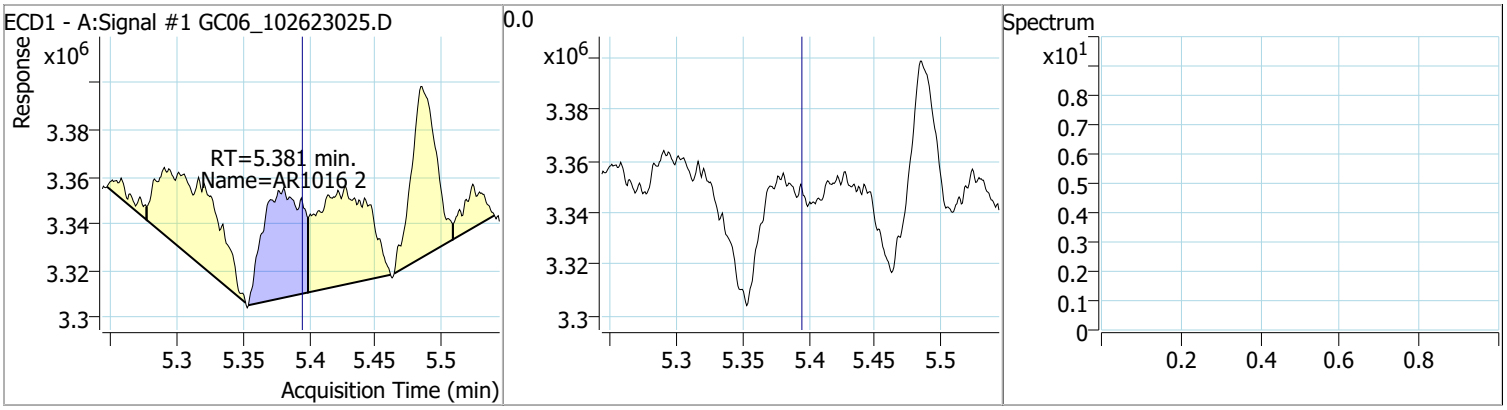
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.4748	5.06	0.00	22907866				



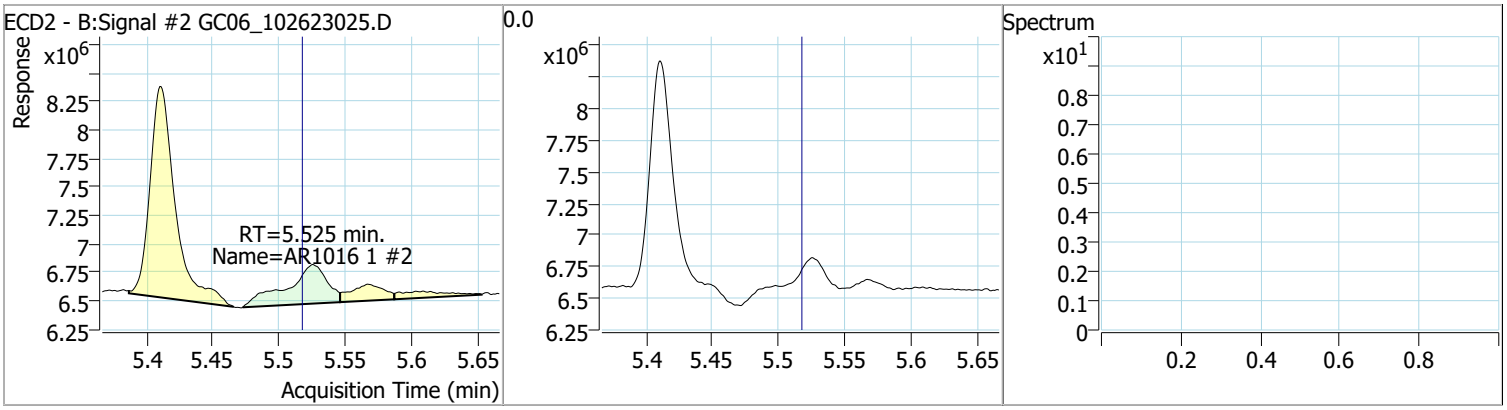
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	150.3004	5.09	0.02	533211				



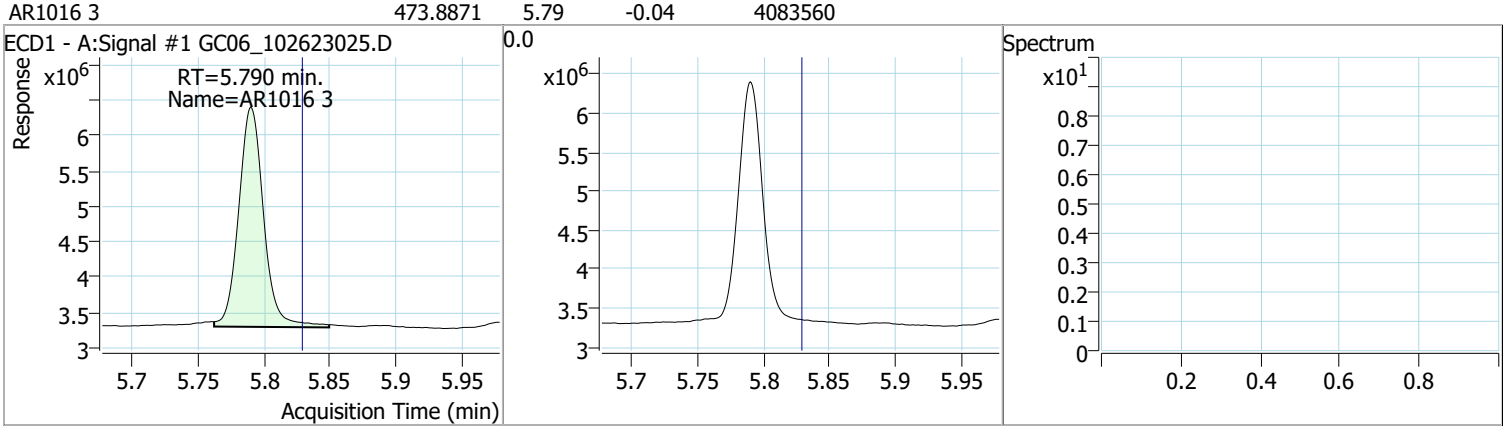
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	13.1173	5.38	-0.01	93401				



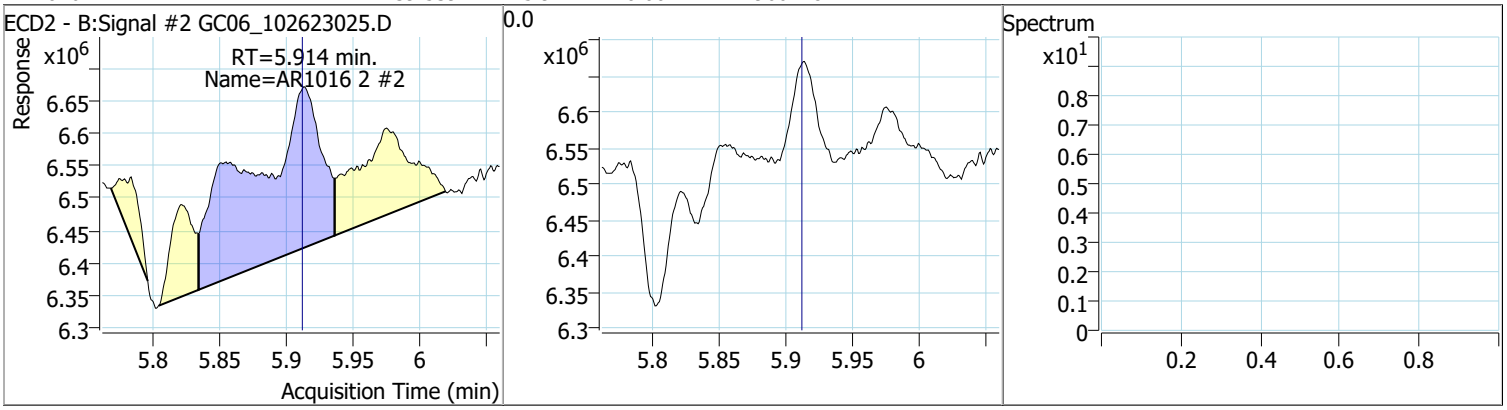
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	62.4834	5.53	0.01	731830				



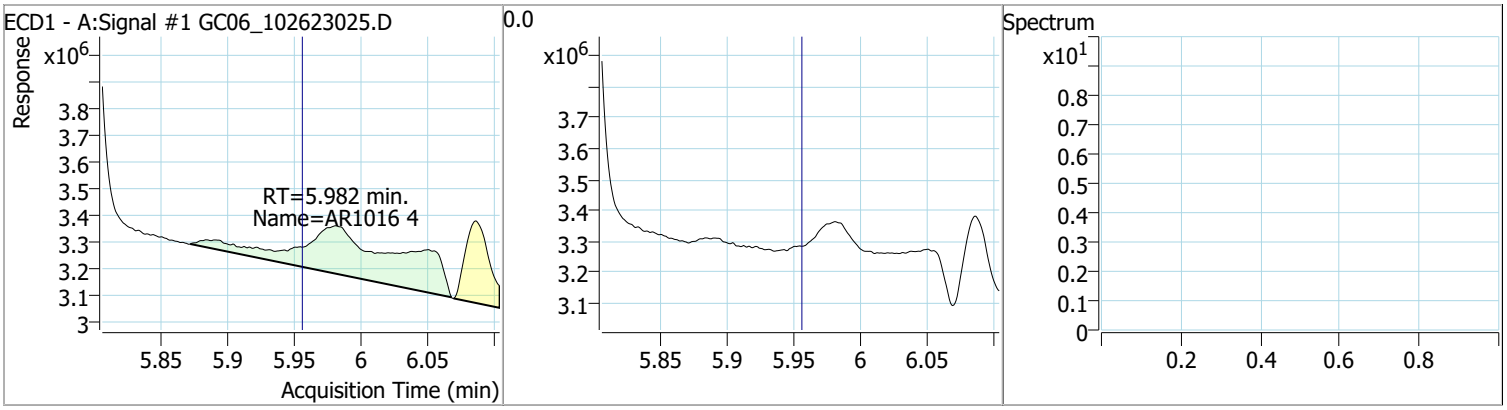
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	473.8871	5.79	-0.04	4083560				



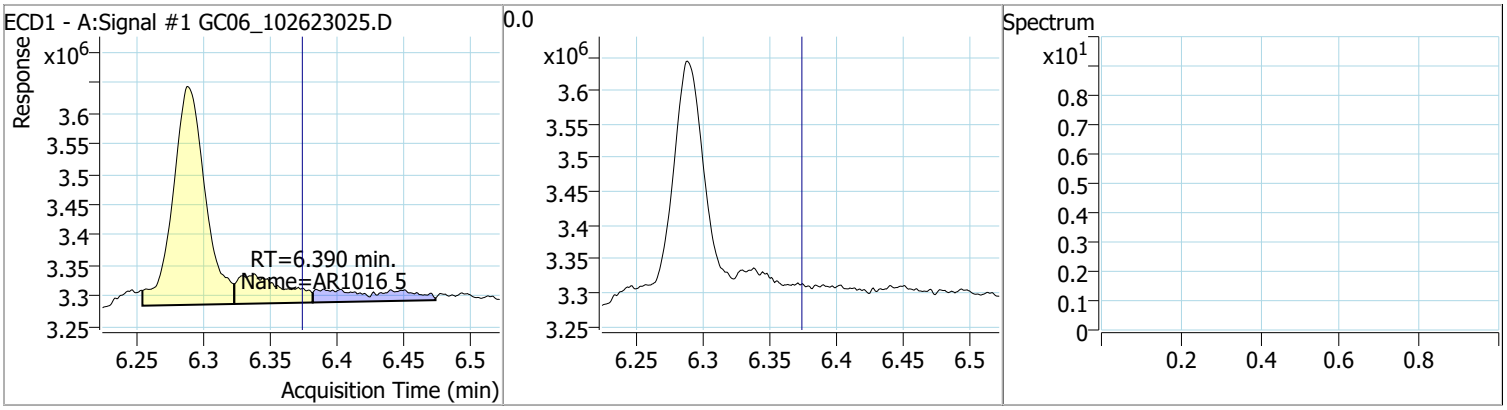
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	39.5392	5.91	0.00	966448				



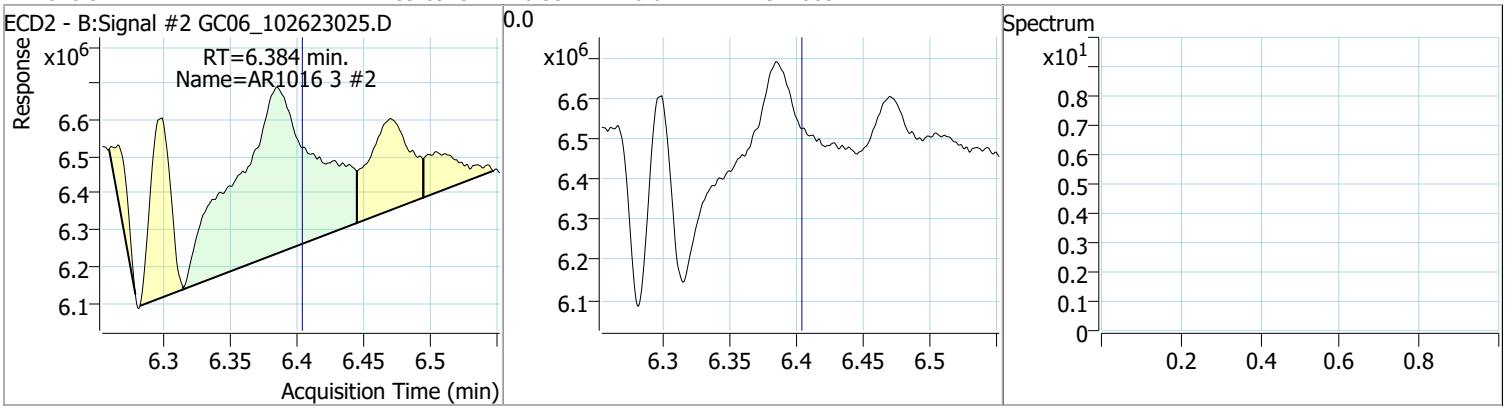
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	183.9160	5.98	0.03	1048876				



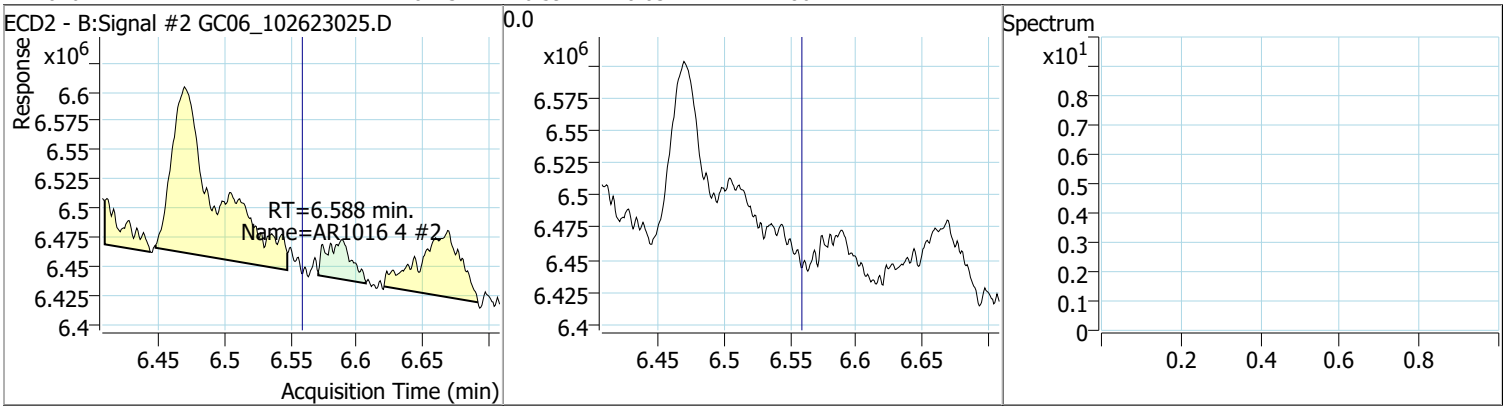
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	15.7464	6.39	0.02	80811				



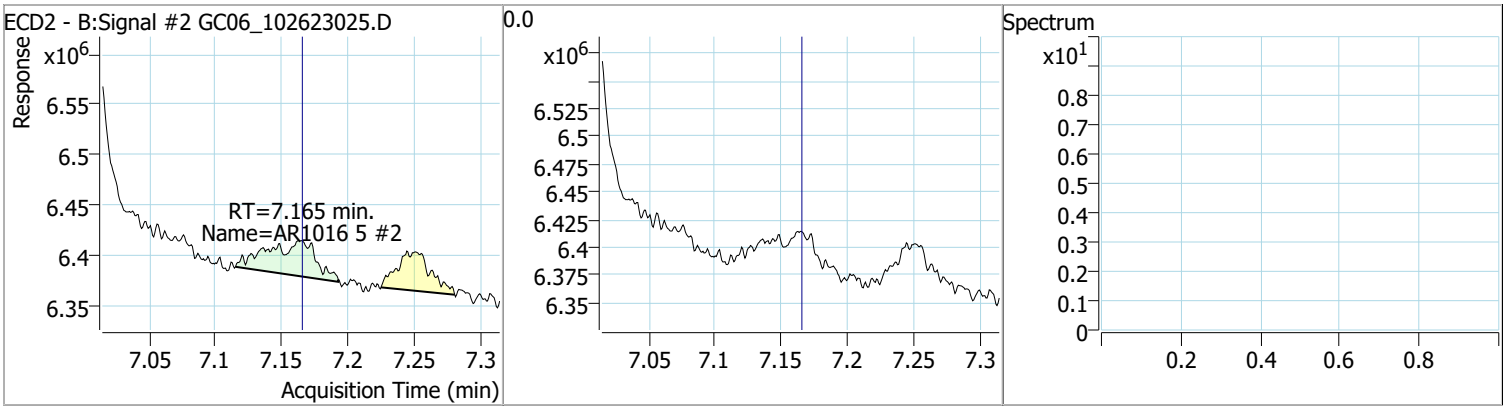
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	59.0925	6.38	-0.02	1922003				



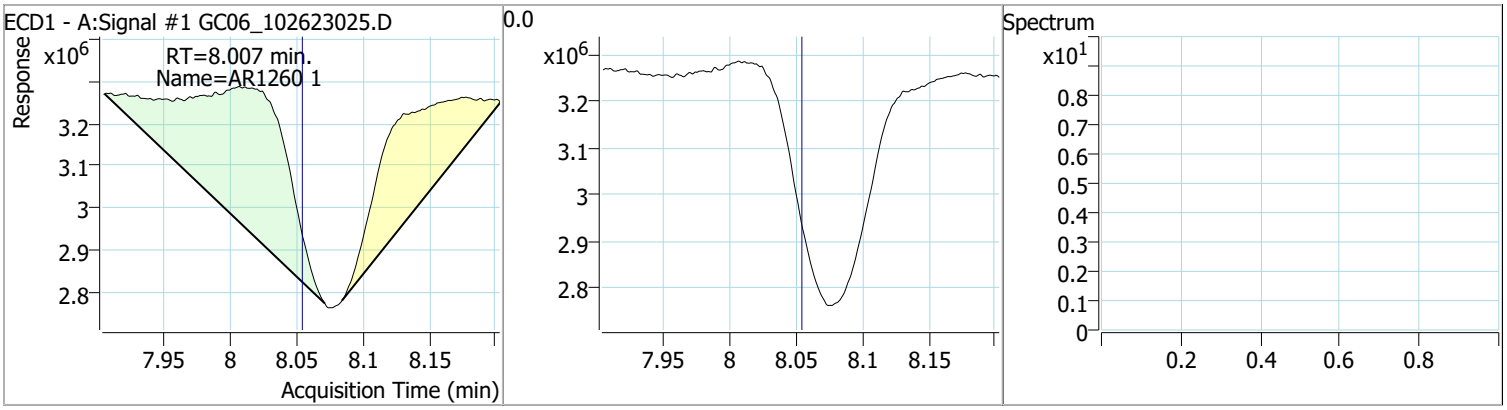
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.0223	6.59	0.03	44186				



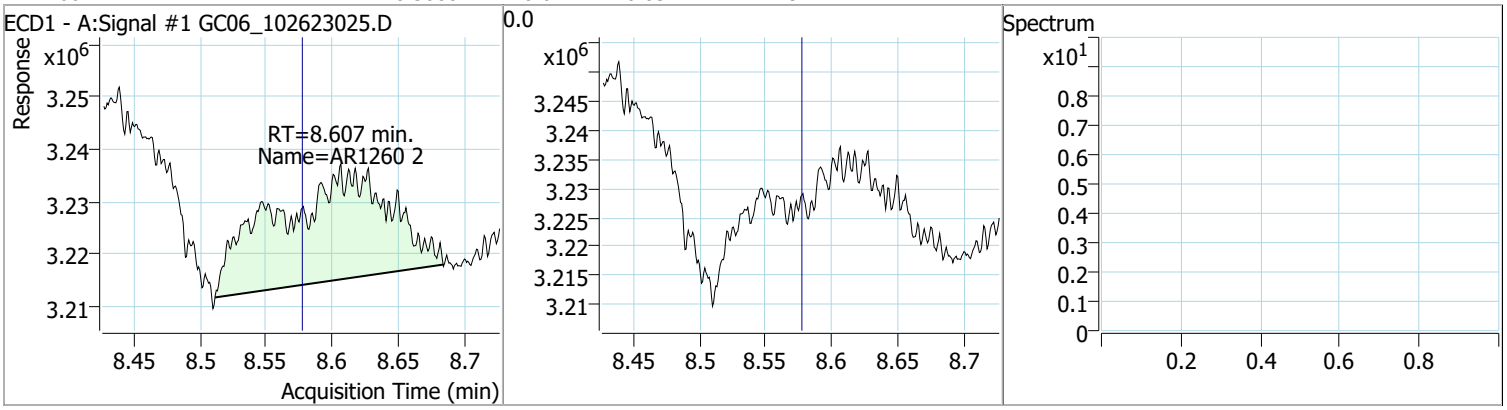
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	4.8680	7.17	0.00	87873				



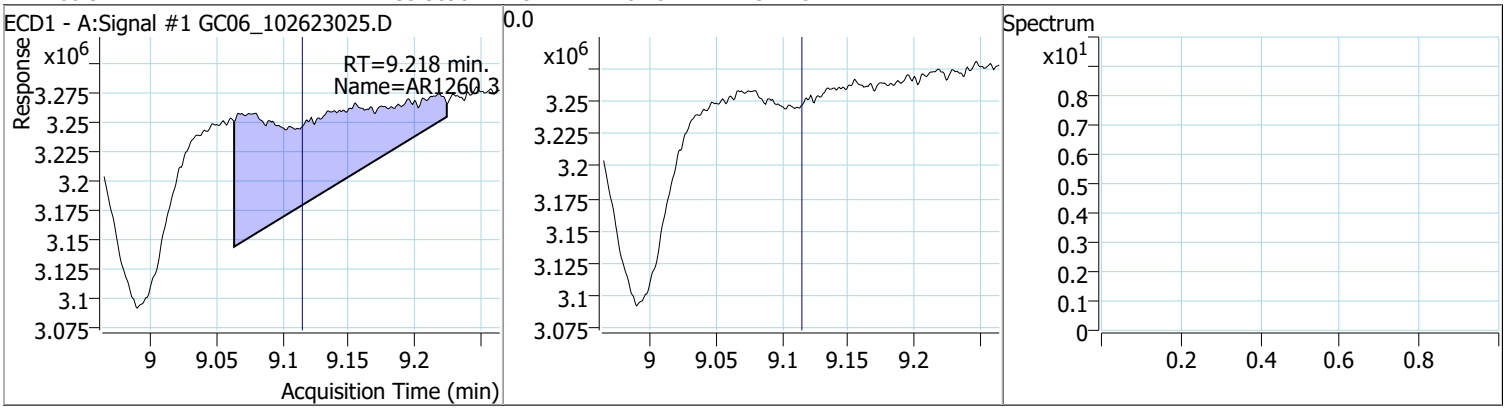
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	181.2343	8.01	-0.05	1791022				



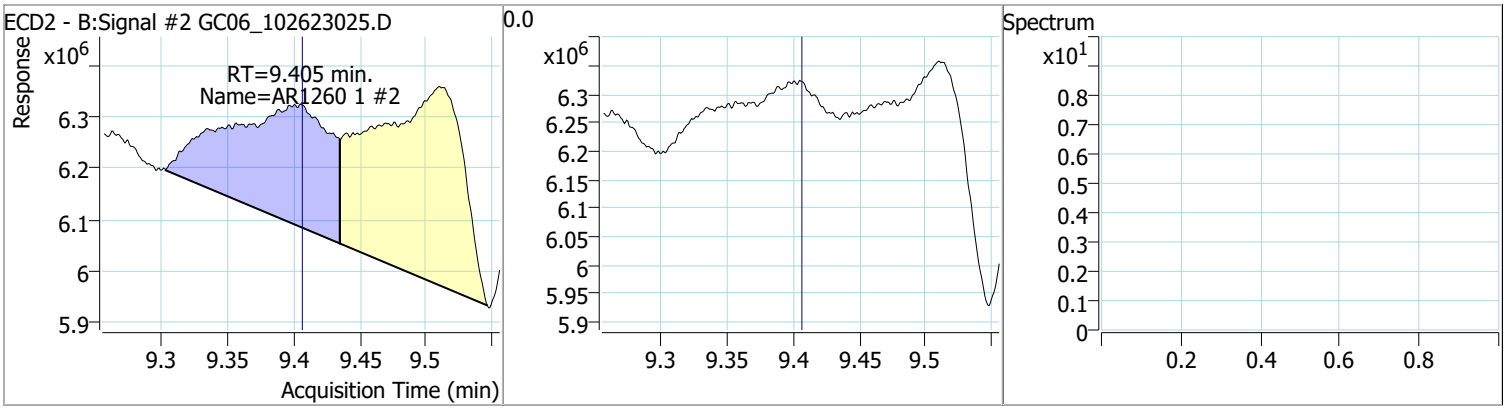
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	8.3088	8.61	0.03	127947				



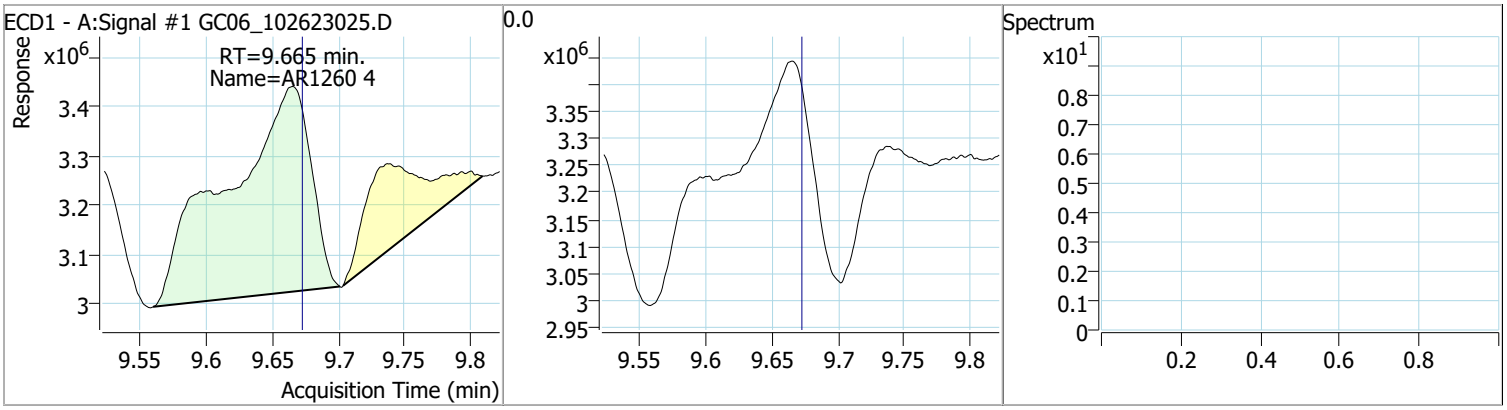
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	35.3898	9.22	0.10	572254				



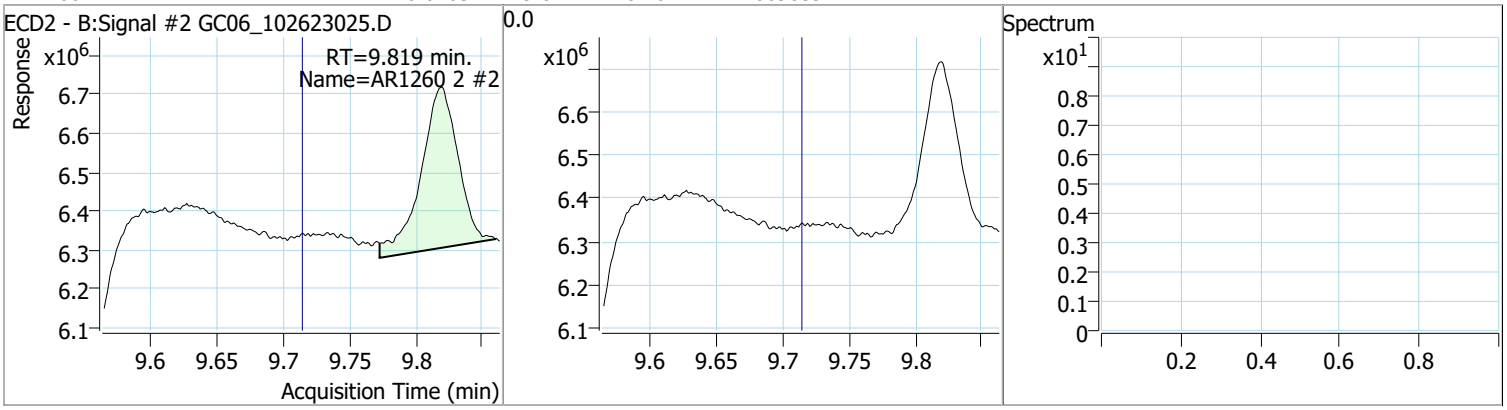
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	36.2699	9.41	0.00	1216278				



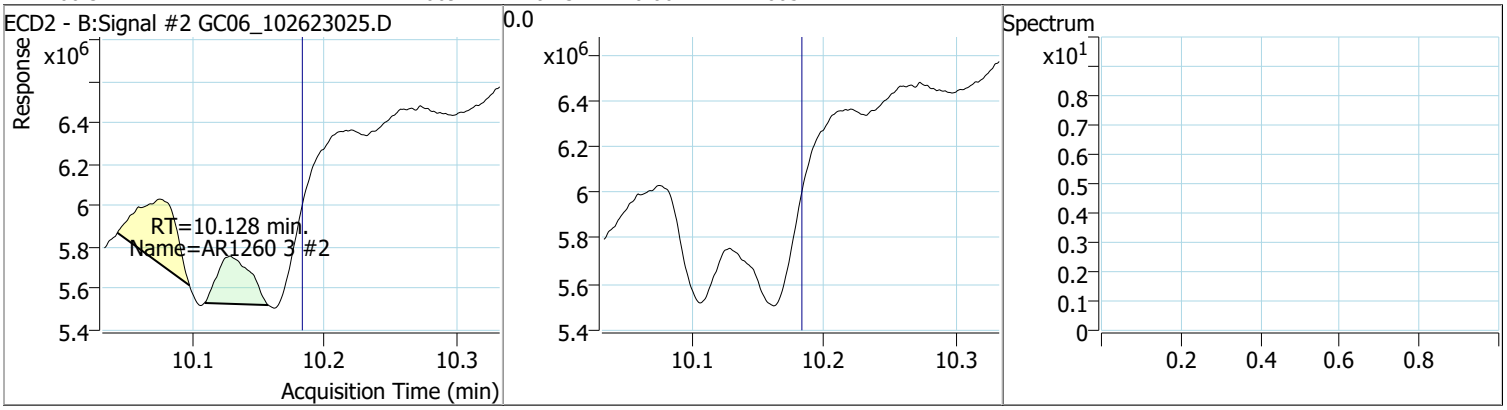
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	218.0581	9.67	-0.01	1853478				



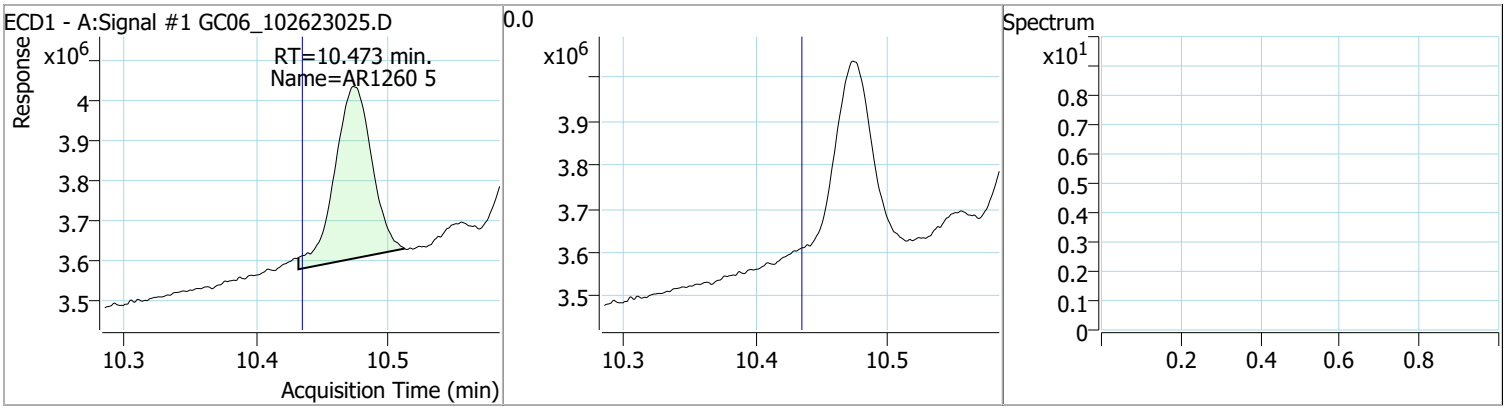
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	20.0163	9.82	0.10	809839				



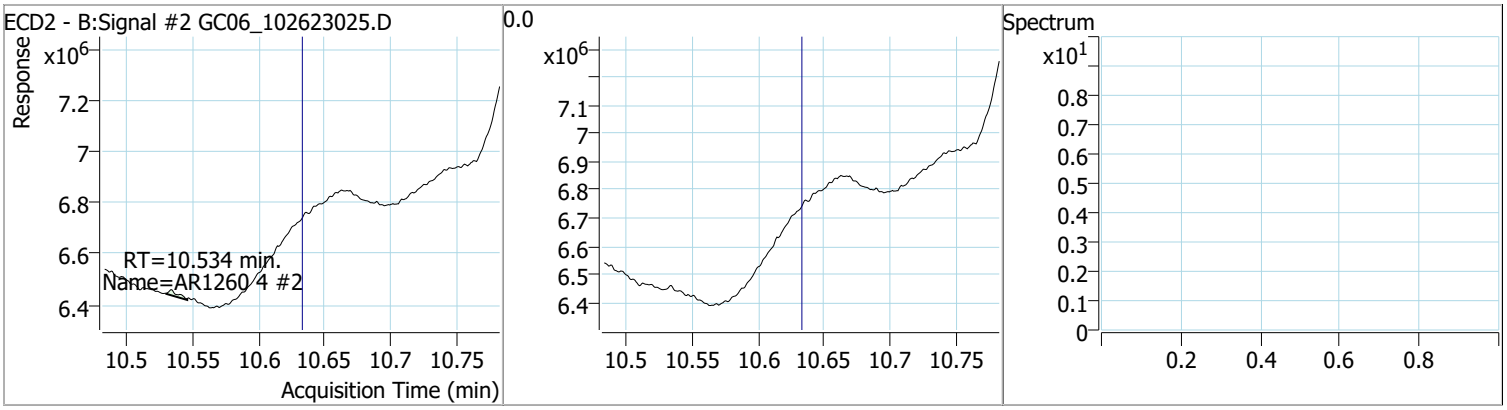
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.7669	10.13	-0.06	400577				



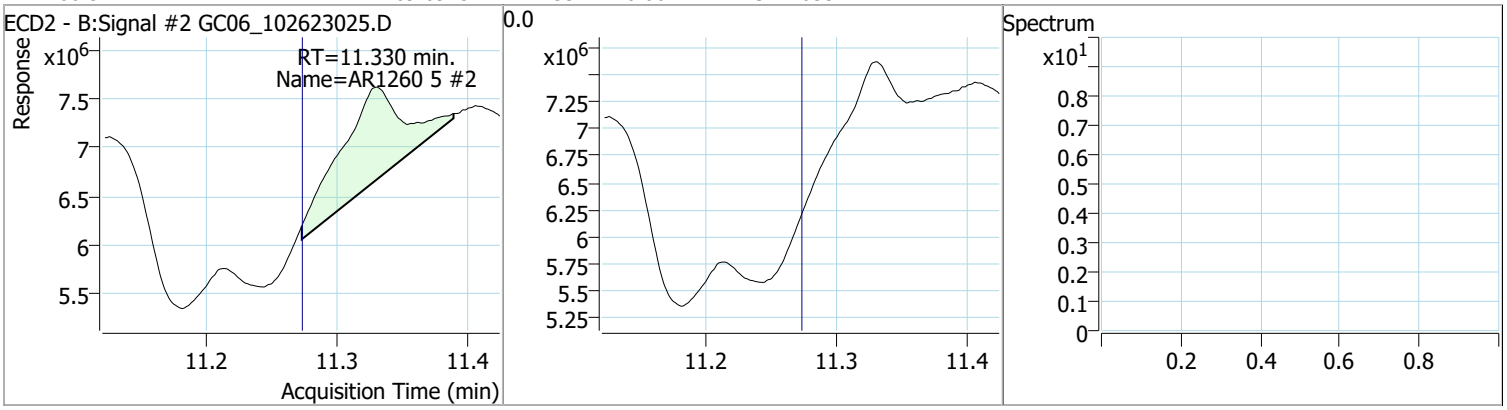
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	78.7413	10.47	0.04	854049				



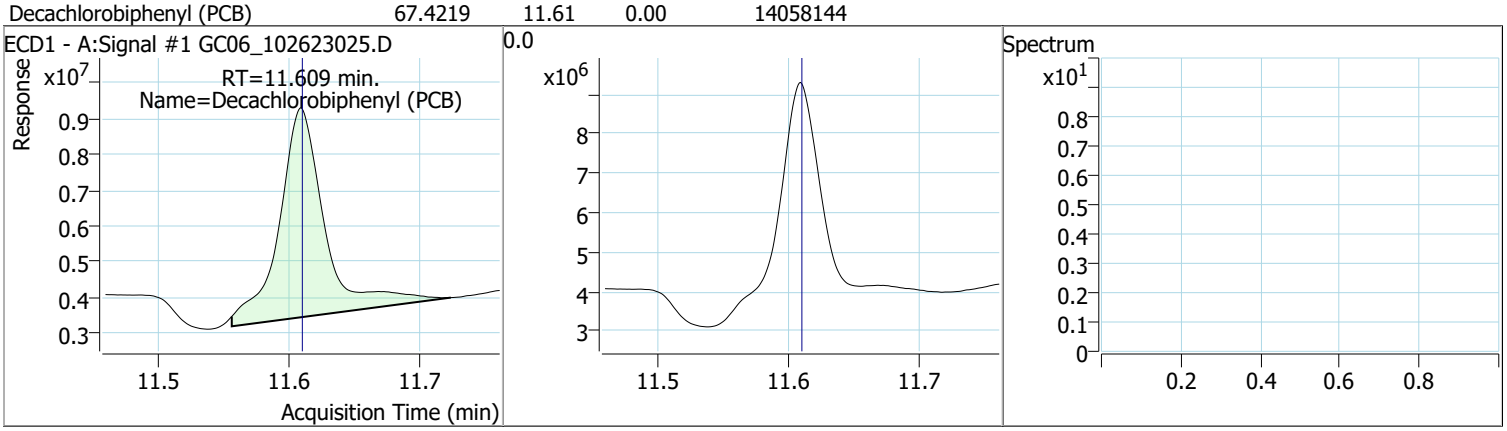
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.3455	10.53	-0.10	10833				



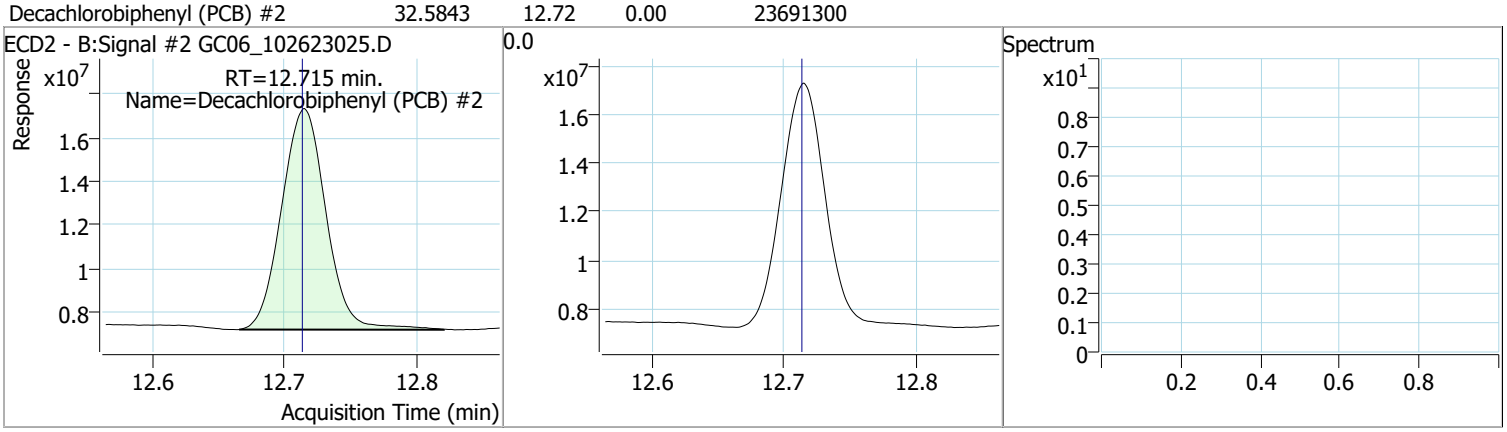
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	69.0975	11.33	0.06	3211033				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	67.4219	11.61	0.00	14058144				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.5843	12.72	0.00	23691300				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 494459 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1102661		
Seqnum:	453431278019.1	Matrix:	Wipe		
File:	gc06_102623019	Batch:	325199	Time:	26-OCT-2023 18:03
Cal:	453416704002	Caldate:	16-OCT-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	36.40	ND	0.82	77%	0.50	u
Aroclor-1016 Peak # 1	B	42.15	0.42	0.57	30%		
Aroclor-1016 Peak # 2	B	8.607	0.09	0.16	63%		
Aroclor-1016 Peak # 3	B	127.3	1.27	0.02	195%		
Aroclor-1016 Peak # 4	B	0.4438	0.00	3.31	199%		
Aroclor-1016 Peak # 5	B	3.499	0.03	0.02	51%		
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	11.15	ND	0.42	117%	0.50	u
Aroclor-1260 Peak # 1	B	18.35	0.18	0.79	125%		
Aroclor-1260 Peak # 2	B	9.416	0.09	0.00	192%		
Aroclor-1260 Peak # 3	B	9.109	0.09	0.13	37%		
Aroclor-1260 Peak # 4	B	6.339	0.06	1.14	179%		
Aroclor-1260 Peak # 5	B	12.54	0.13	0.05	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	32.70	0.5000	0.3270	65	19-121	u
Decachlorobiphenyl (PCB)	B	27.03	0.5000	0.2703	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_102623004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	8901335	-10.75
1-bromo-2-nitrobenzene (PCB)	A	3468805	2309078	-33.43

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_102623004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

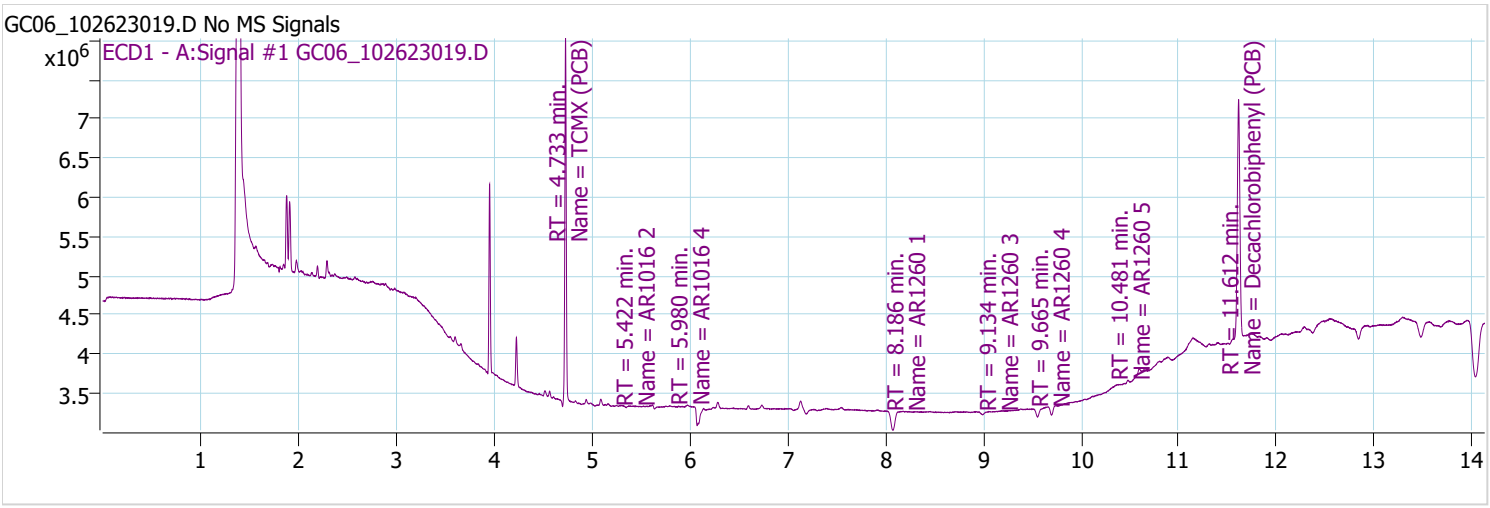
10/27/23 : WIPE/1DM^2-10ML [general version]

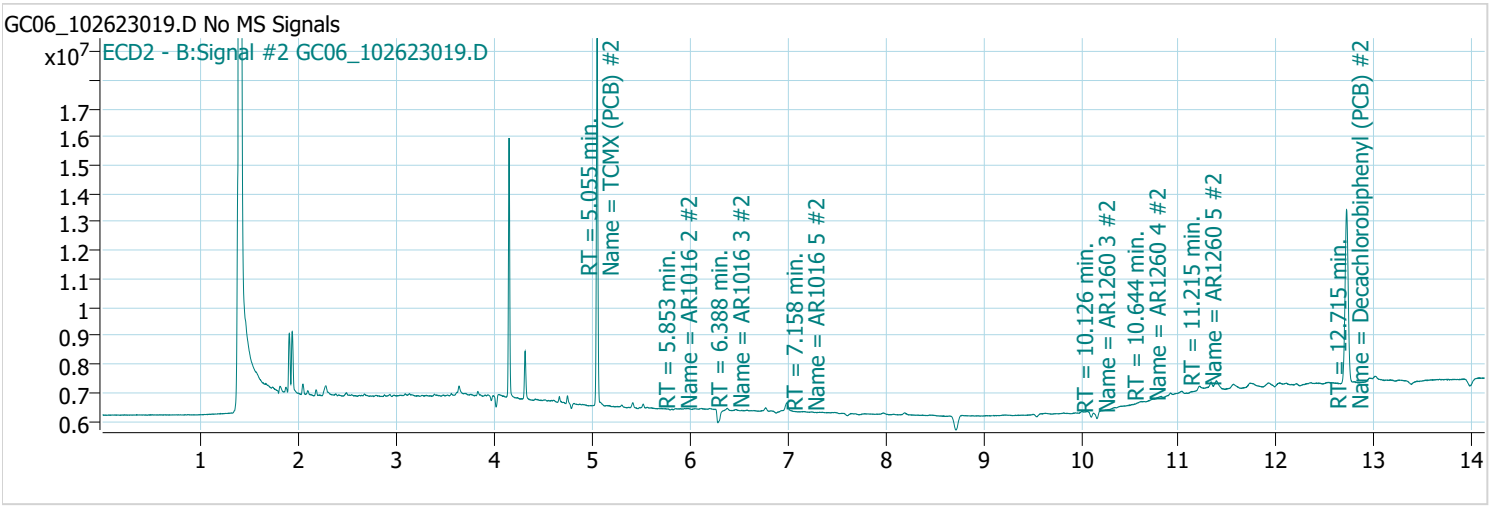
-=low bias c=CCV u=use

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623019.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 6:03:08 PM
Sample Name	QC1102661, 325199, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



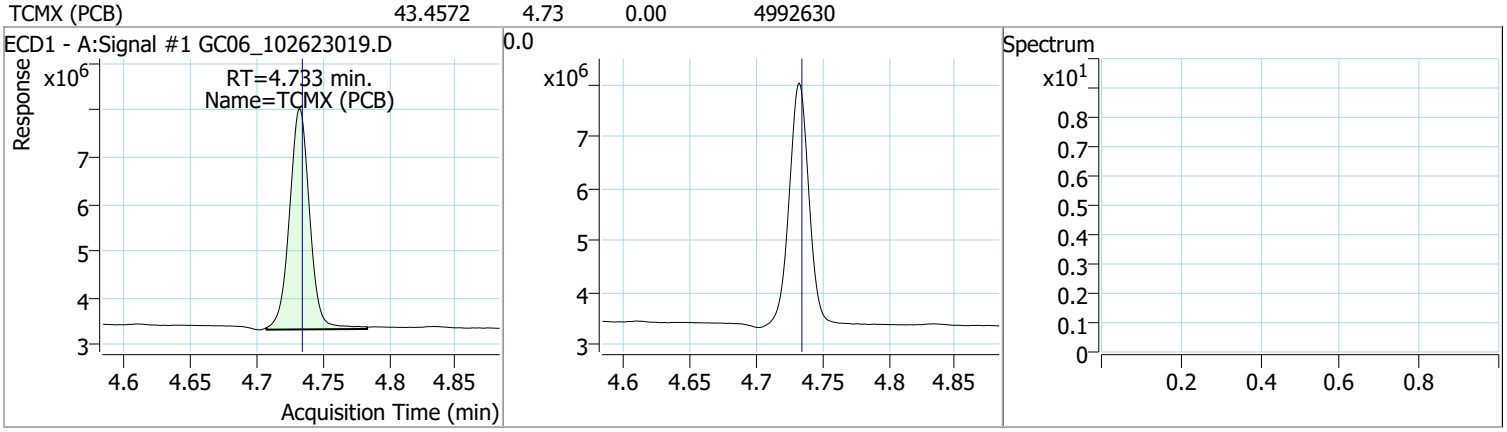


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.957	0.0	2309078.371	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	8901334.666	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	4992629.704	43.4572	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.29%		*	
S TCMX (PCB) #2	5.055	0.0	13682928.425	32.7013	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.51%		*	
S Decachlorobiphenyl (PCB)	11.612	0.0	5774259.619	39.2010	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.01%		*	
S Decachlorobiphenyl (PCB) #2	12.715	0.0	13809961.165	27.0276	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.14%			
Target Compounds							QValue

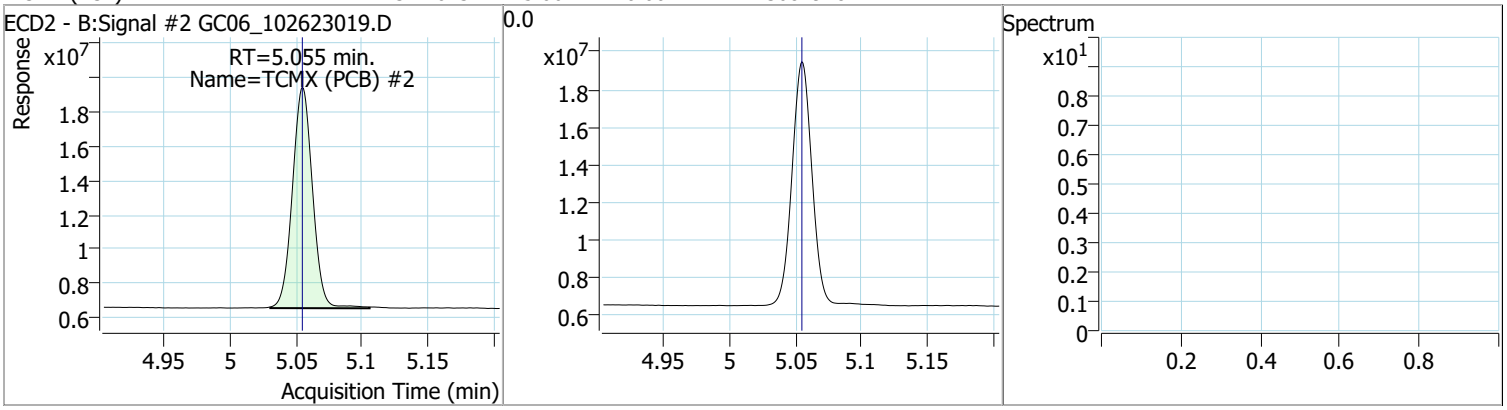
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.093	0.0	142385.841	56.8141	ng/ml	100
T AR1016 2	5.422	0.0	82719.330	16.4448	ng/ml	100
T AR1016 1 #2	5.526	0.0	346940.773	42.1506	ng/ml	100
T AR1016 3	5.848	0.0	9770.716	1.6051	ng/ml	100
T AR1016 2 #2	5.853	0.0	147855.296	8.6076	ng/ml	100
T AR1016 4	5.980	0.0	1333884.045	331.0866	ng/ml	100
T AR1016 5	6.332	0.0	7496.959	2.0679	ng/ml	100
T AR1016 3 #2	6.388	0.0	2909226.922	127.2771	ng/ml	100
T AR1016 4 #2	6.544	0.0	6813.934	0.4438	ng/ml	100
T AR1016 5 #2	7.158	0.0	44383.219	3.4987	ng/ml	100
T AR1260 1	8.186	0.0	551757.862	79.0344	ng/ml	100
T AR1260 2	8.567	0.0	1973.455	0.1814	ng/ml	100
T AR1260 3	9.134	0.0	151823.108	13.2909	ng/ml	100
T AR1260 1 #2	9.513	0.0	432428.173	18.3494	ng/ml	100
T AR1260 4	9.665	0.0	686733.189	114.3670	ng/ml	100
T AR1260 2 #2	9.638	0.0	267739.893	9.4166	ng/ml	100
T AR1260 3 #2	10.126	0.0	330157.781	9.1091	ng/ml	100
T AR1260 5	10.481	0.0	40070.129	5.2296	ng/ml	100
T AR1260 4 #2	10.644	0.0	139693.018	6.3395	ng/ml	100
T AR1260 5 #2	11.215	0.0	409661.507	12.5440	ng/ml	100

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

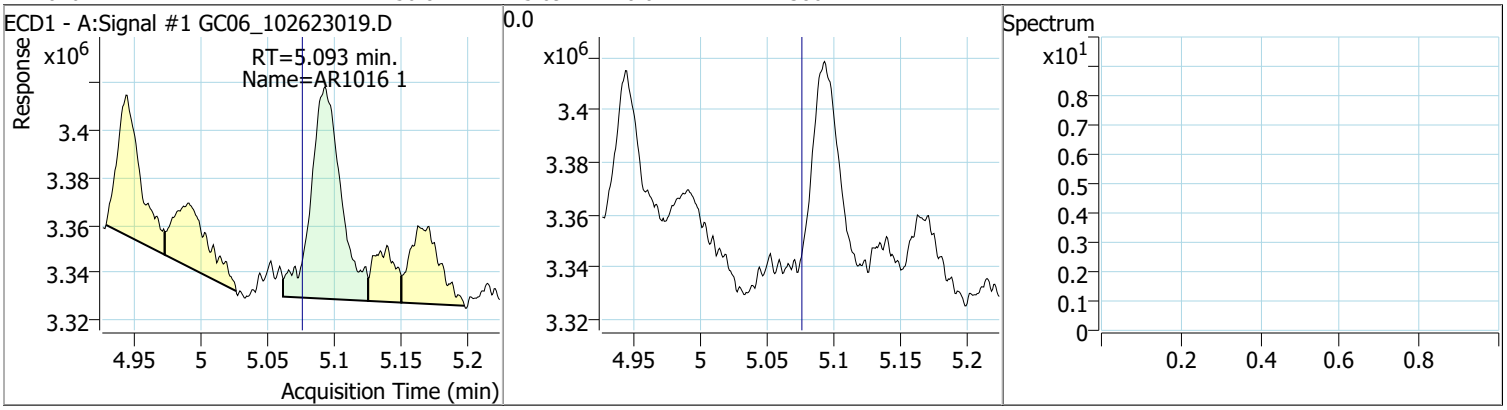
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.4572	4.73	0.00	4992630				



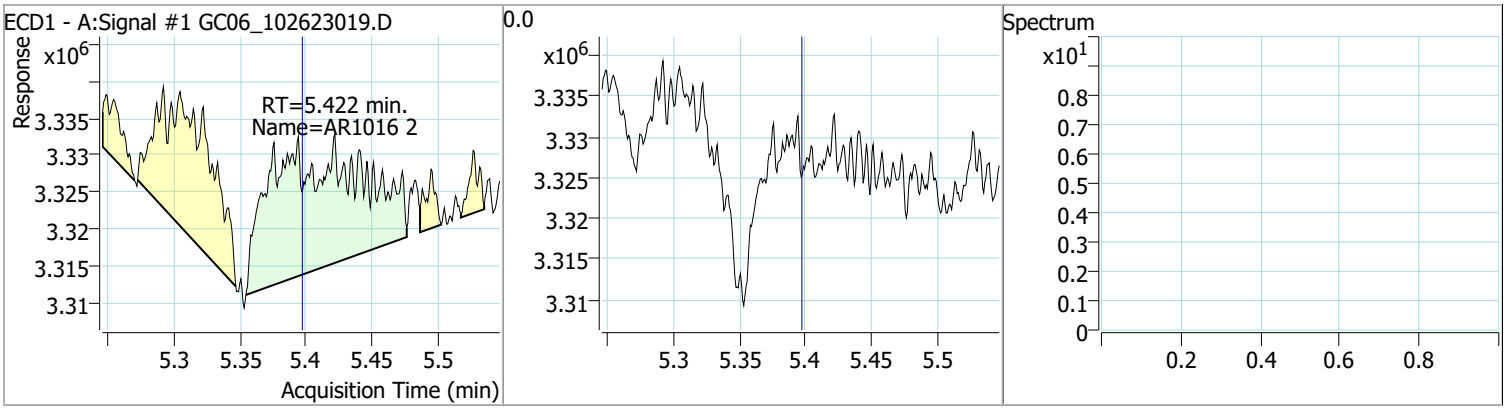
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.7013	5.06	0.00	13682928				



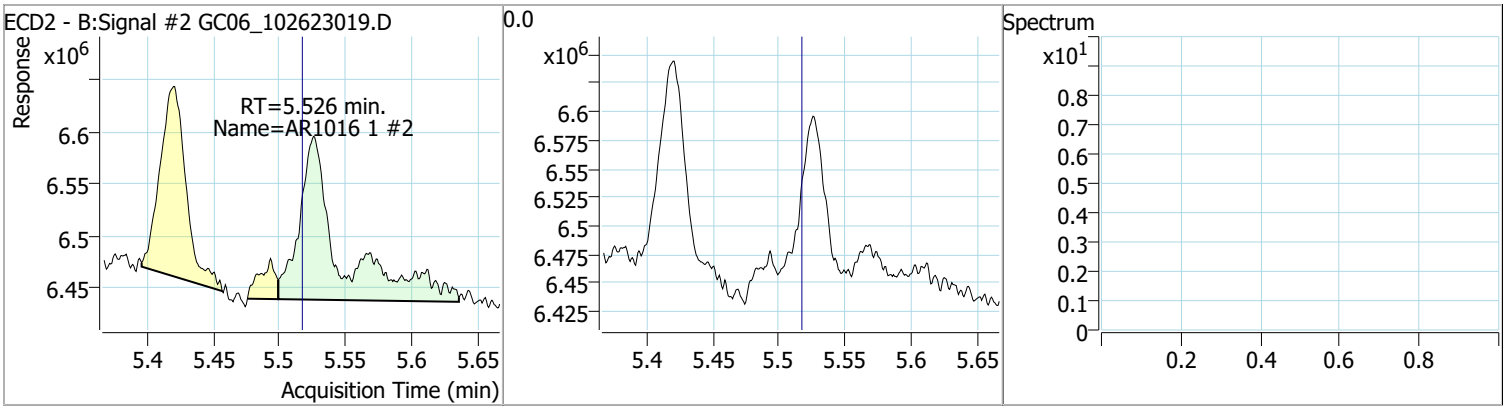
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	56.8141	5.09	0.02	142386				



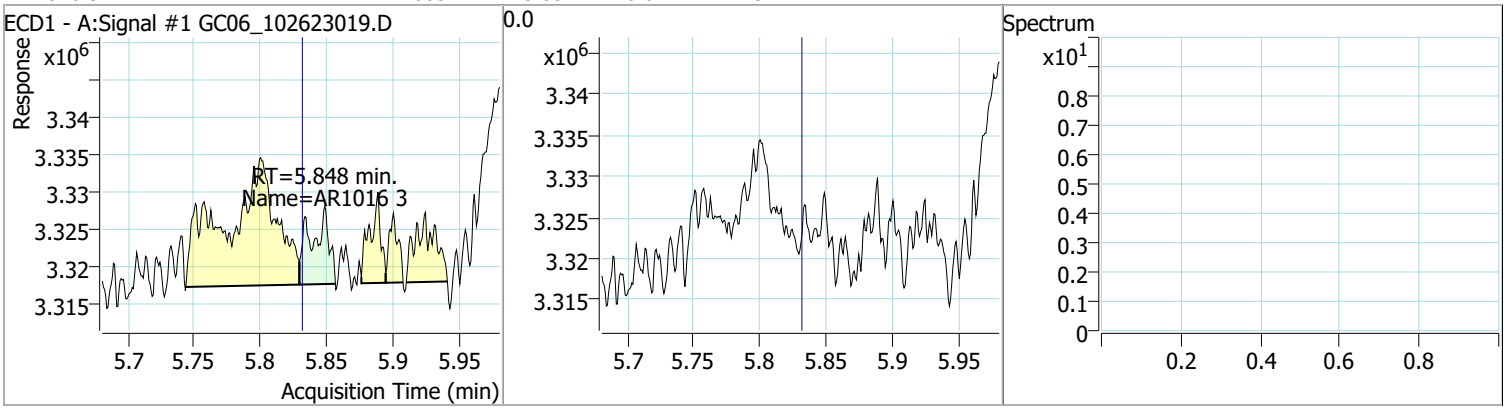
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	16.4448	5.42	0.03	82719				



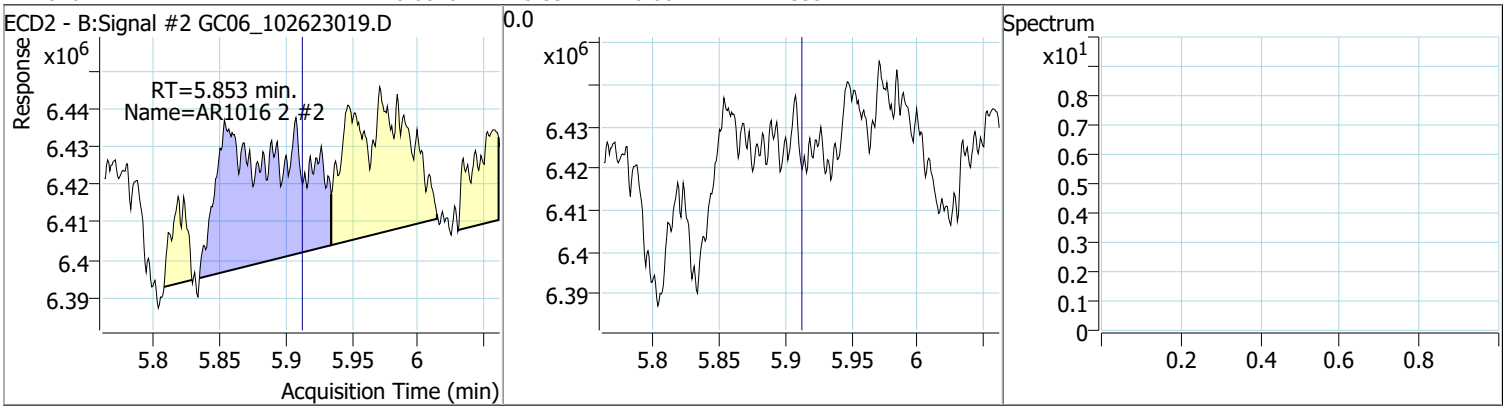
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	42.1506	5.53	0.01	346941				



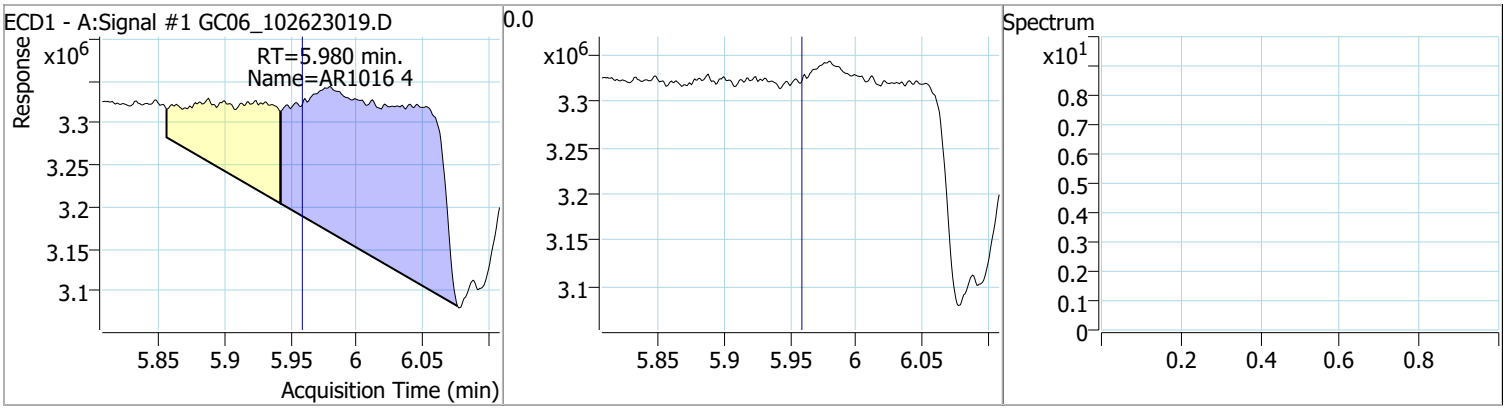
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1.6051	5.85	0.02	9771				



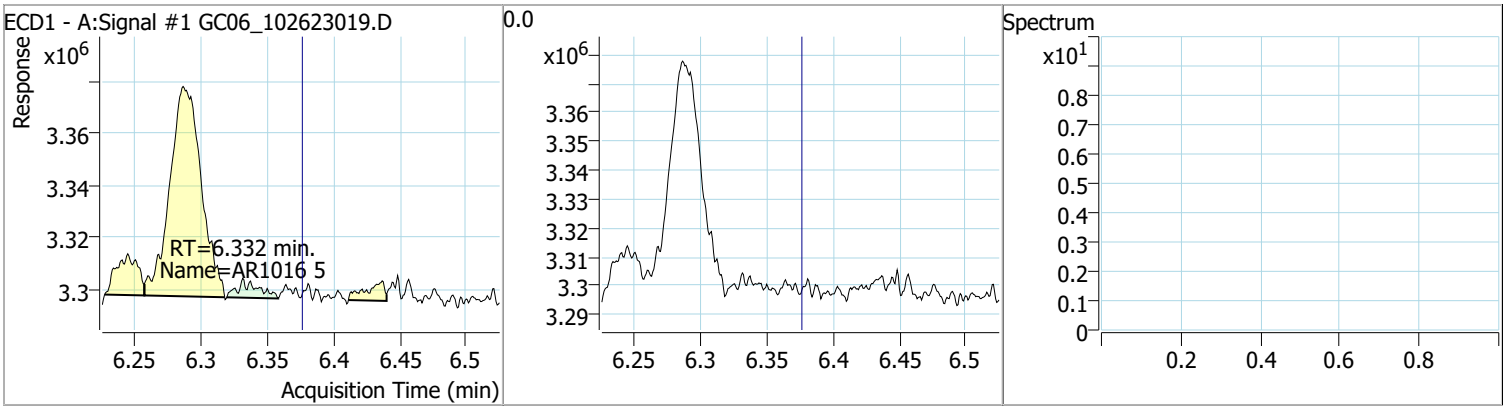
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.6076	5.85	-0.06	147855				



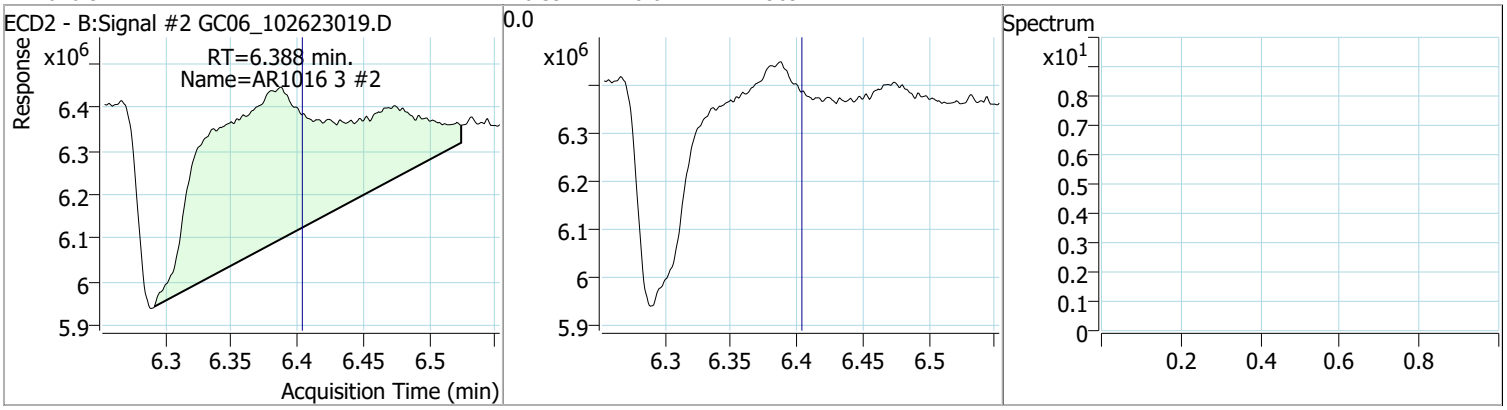
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	331.0866	5.98	0.02	1333884				



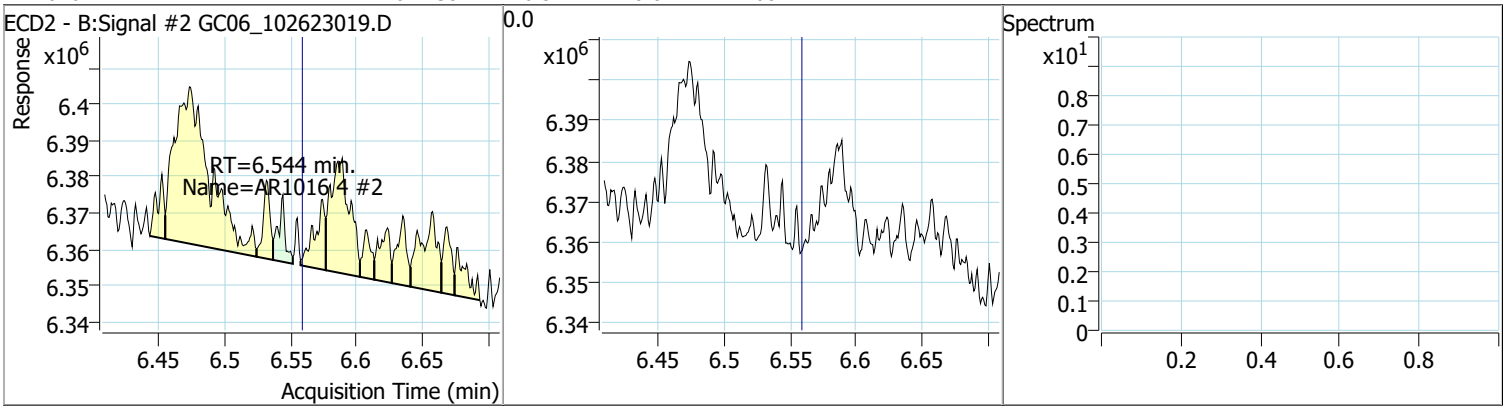
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	2.0679	6.33	-0.04	7497				



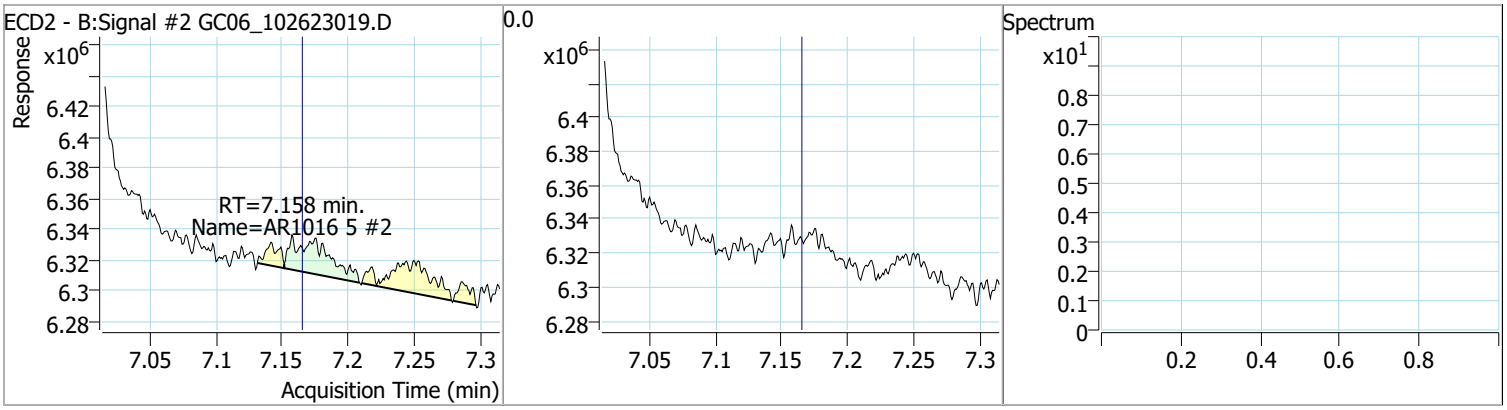
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	127.2771	6.39	-0.02	2909227				



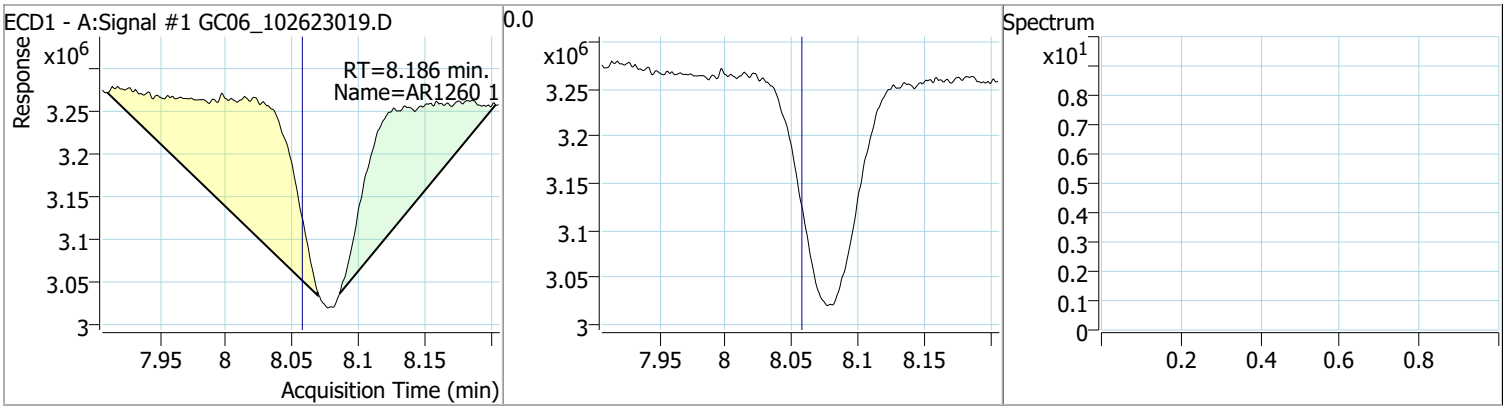
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4438	6.54	-0.01	6814				



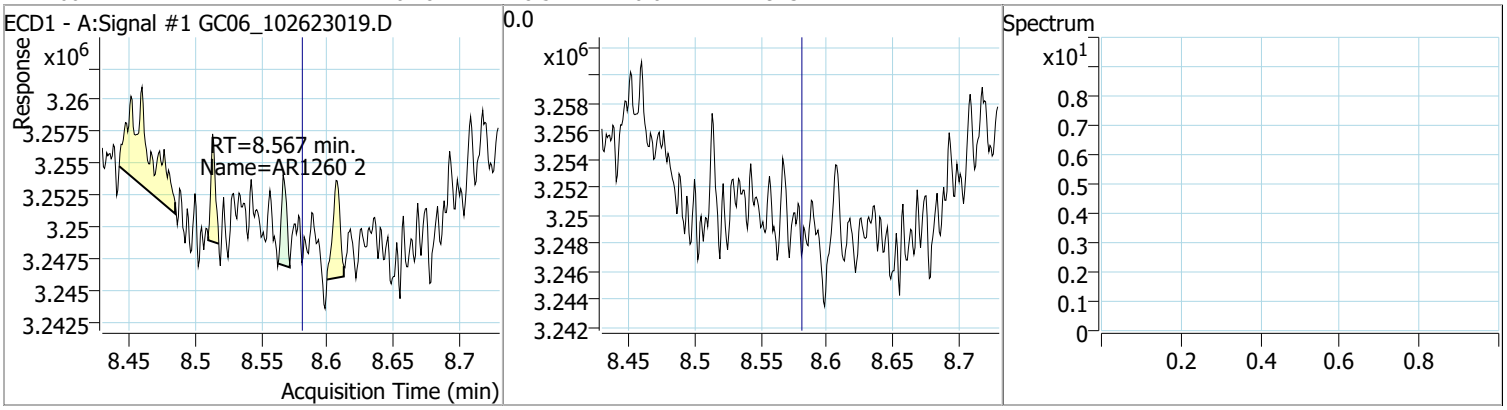
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.4987	7.16	-0.01	44383				



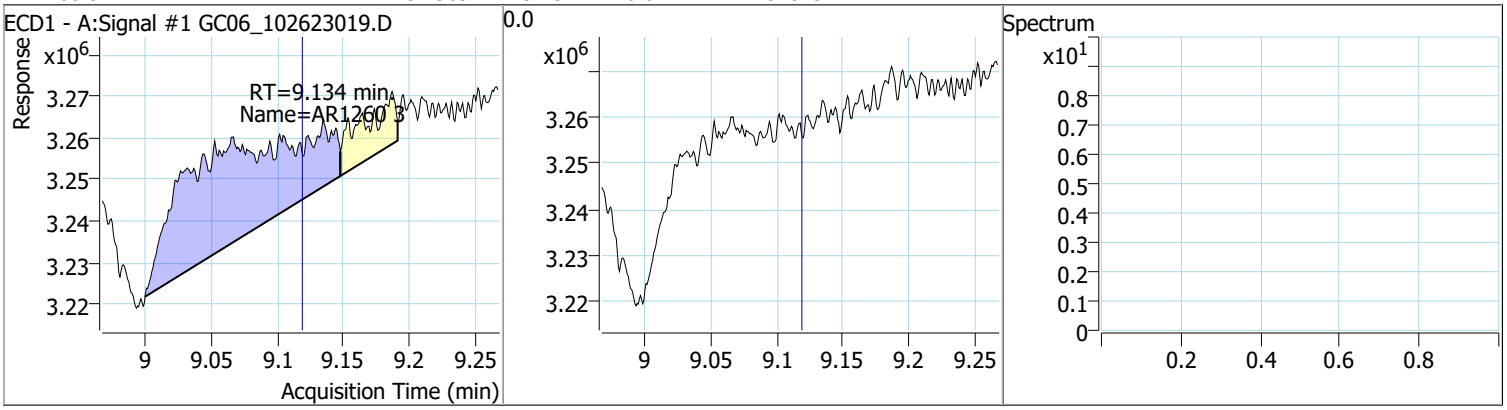
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	79.0344	8.19	0.13	551758				



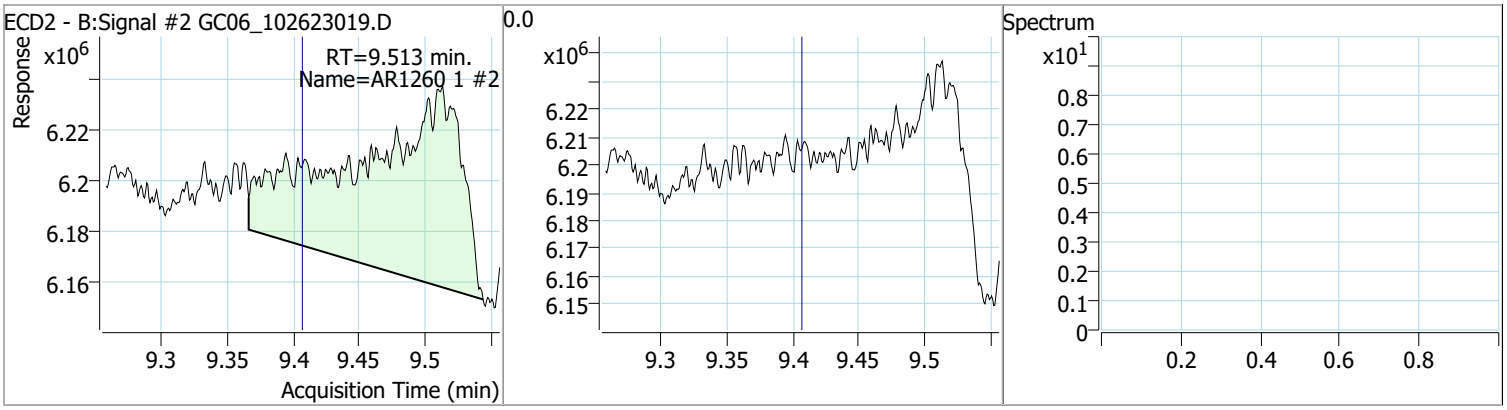
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1814	8.57	-0.01	1973				



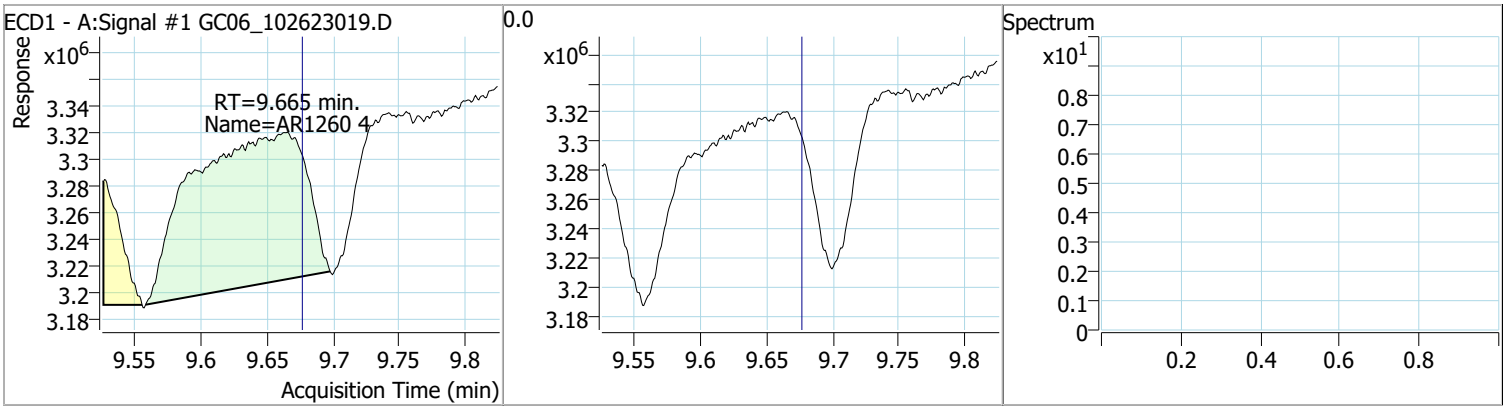
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	13.2909	9.13	0.02	151823				



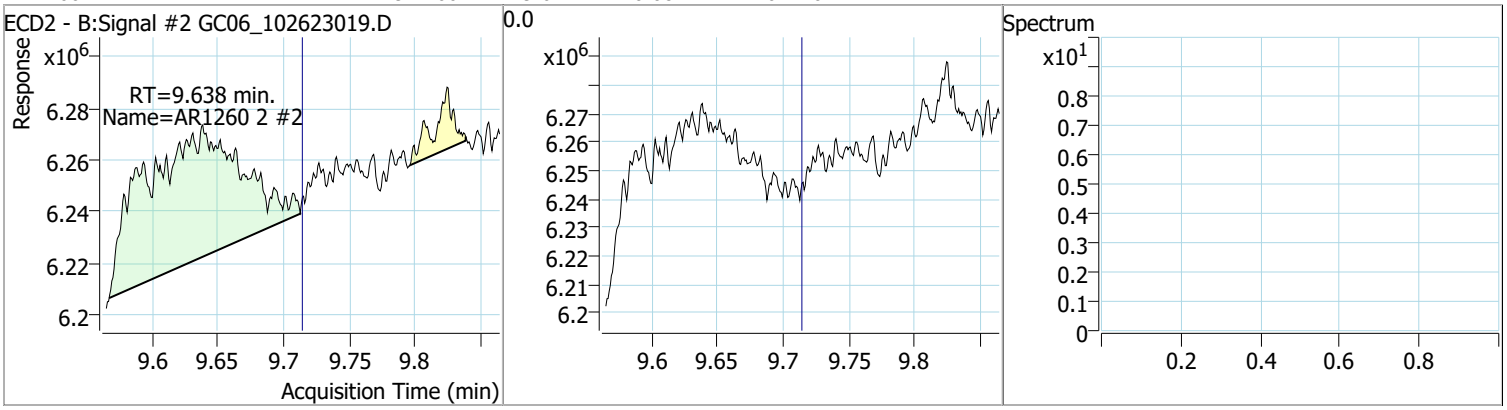
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	18.3494	9.51	0.11	432428				



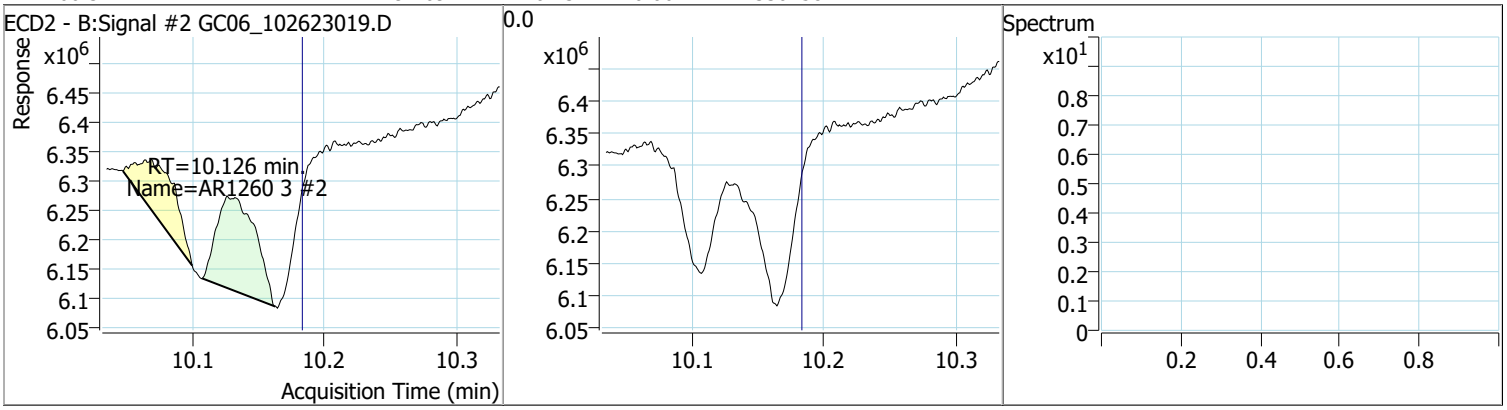
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	114.3670	9.67	-0.01	686733				



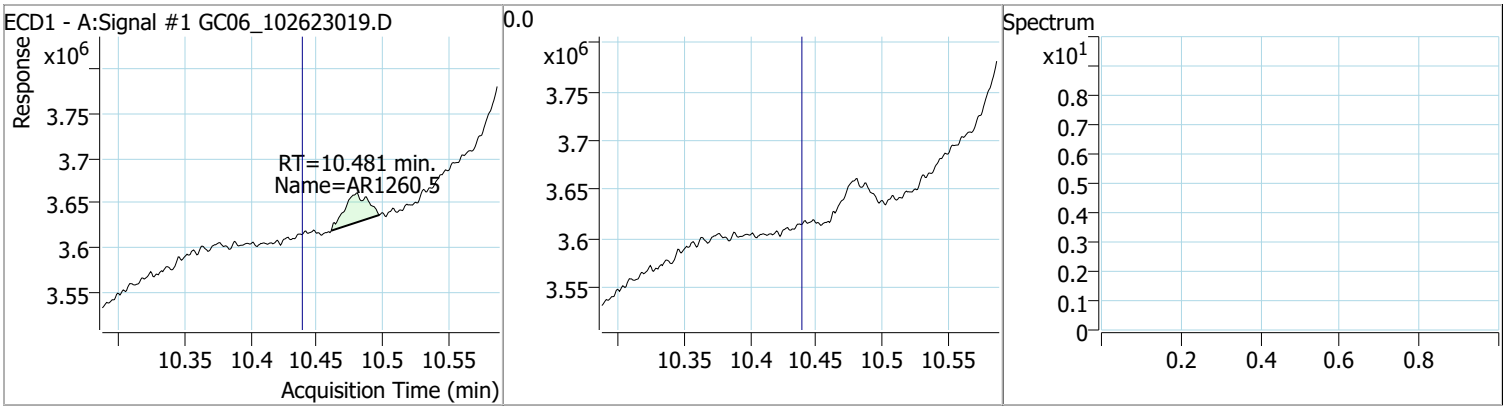
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.4166	9.64	-0.08	267740				



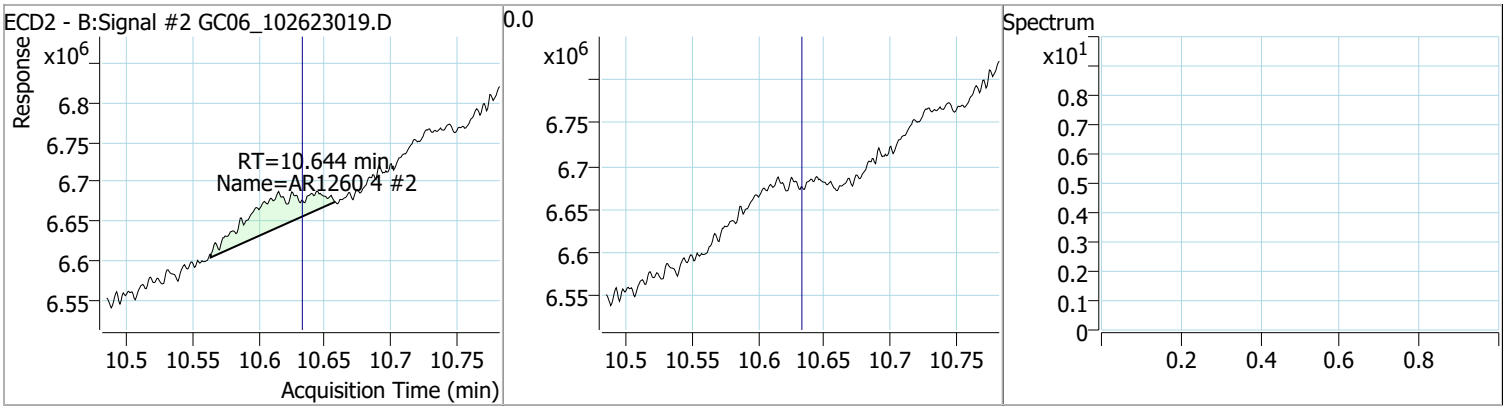
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.1091	10.13	-0.06	330158				



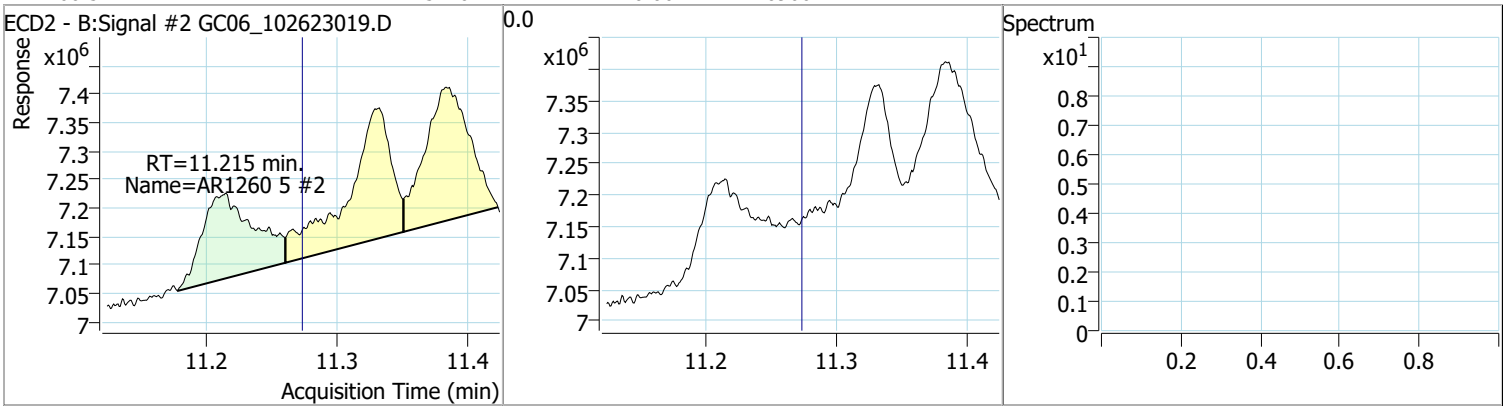
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	5.2296	10.48	0.05	40070				



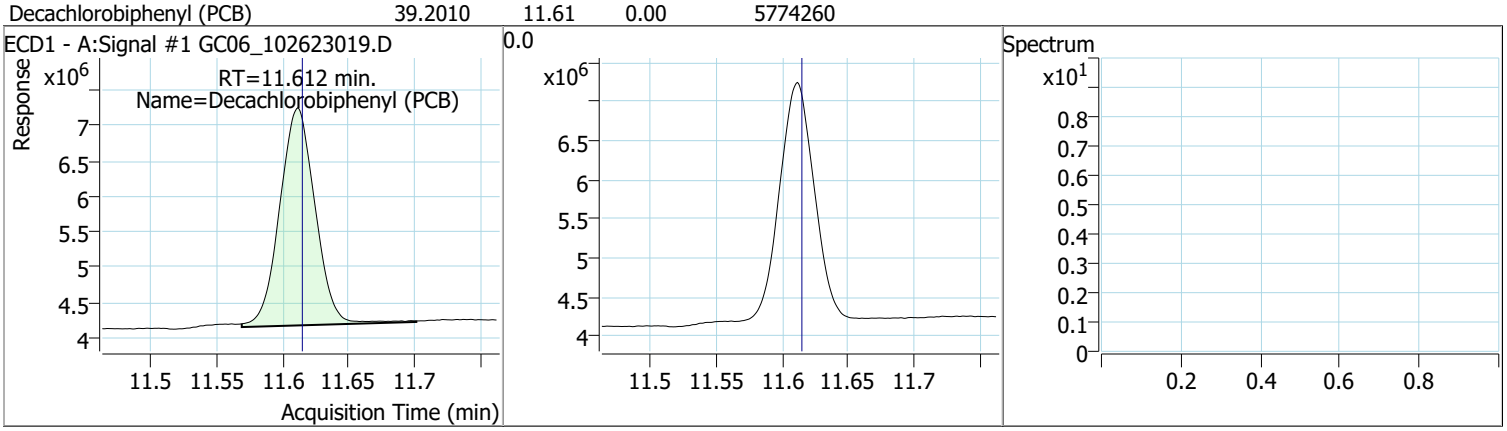
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	6.3395	10.64	0.01	139693				



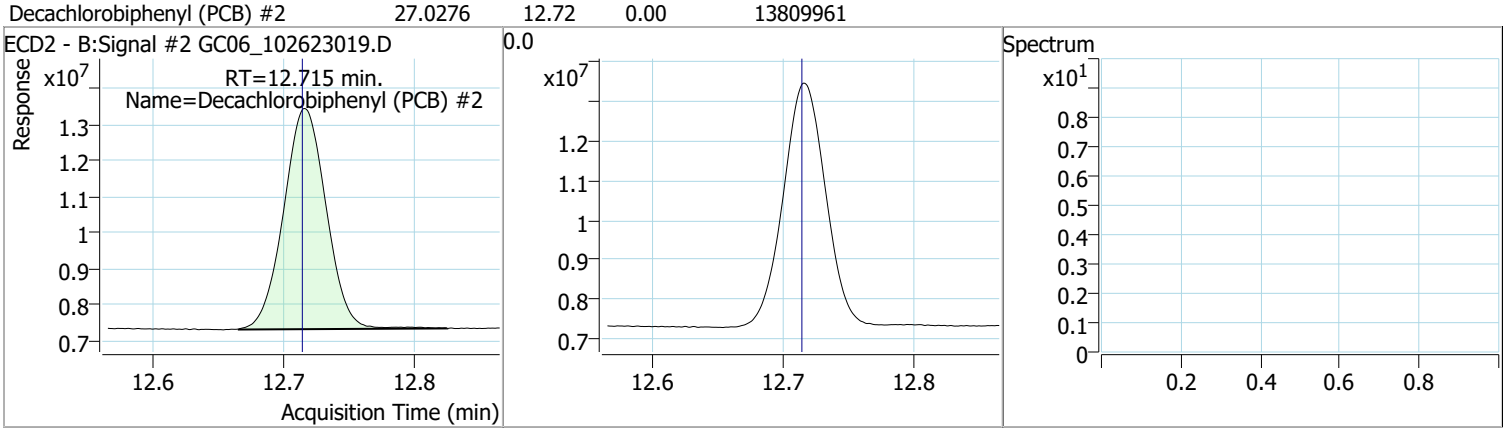
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.5440	11.22	-0.06	409662				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.2010	11.61	0.00	5774260				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.0276	12.72	0.00	13809961				



ENTHALPY SPIKE USER REPORT FOR 494459 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	453431278020.1	Seqnum:	453431278021.1
File:	gc06_102623020	File:	gc06_102623021
IDF:	1.0	IDF:	1.0
Lab ID:	QC1102662	Lab ID:	QC1102663
Matrix:	Wipe	Matrix:	Wipe
Batch:	325199	Batch:	325199
Time:	26-OCT-2023 18:22	Time:	26-OCT-2023 18:42
Cal:	453416704002	Cal:	453416704002
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	436.9	4.369	B	87	428.3	4.283	B	86	60-140	2	20	u
Aroclor-1016 Peak # 1		436.8	4.368	B		432.4	4.324	B					
Aroclor-1016 Peak # 2		442.0	4.420	B		430.0	4.300	B					
Aroclor-1016 Peak # 3		426.0	4.260	B		417.2	4.172	B					
Aroclor-1016 Peak # 4		441.4	4.414	B		432.4	4.324	B					
Aroclor-1016 Peak # 5		438.2	4.382	B		429.4	4.294	B					
Aroclor-1260	5.000	428.3	4.283	B	86	406.1	4.061	B	81	60-140	5	20	u
Aroclor-1260 Peak # 1		484.8	4.848	B		472.0	4.720	B					
Aroclor-1260 Peak # 2		481.1	4.811	B		467.1	4.671	B					
Aroclor-1260 Peak # 3		421.5	4.215	B		404.7	4.047	B					
Aroclor-1260 Peak # 4		425.8	4.258	B		408.8	4.088	B					
Aroclor-1260 Peak # 5		328.2	3.282	B		277.7	2.777	B					
Surrogates													
TCMX (PCB)	0.5000	37.58	0.3758	B	75	36.35	0.3635	B	73	19-121			u
Decachlorobiphenyl (PCB)	0.5000	33.14	0.3314	B	66	33.37	0.3337	B	67	19-121			c- u

ISTD (CCV gc06_102623004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	12642161	26.76
1-bromo-2-nitrobenzene (PCB)	A	3468805	3291895	-5.10

ISTD (CCV gc06_102623004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

ISTD (CCV gc06_102623004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	13548882	35.85
1-bromo-2-nitrobenzene (PCB)	A	3468805	3654315	5.35

ISTD (CCV gc06_102623004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

10/27/23 : WIPE/1DM^2-10ML [general version]

TRN 10/27/23 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for all channels for spike & dup. [general version]

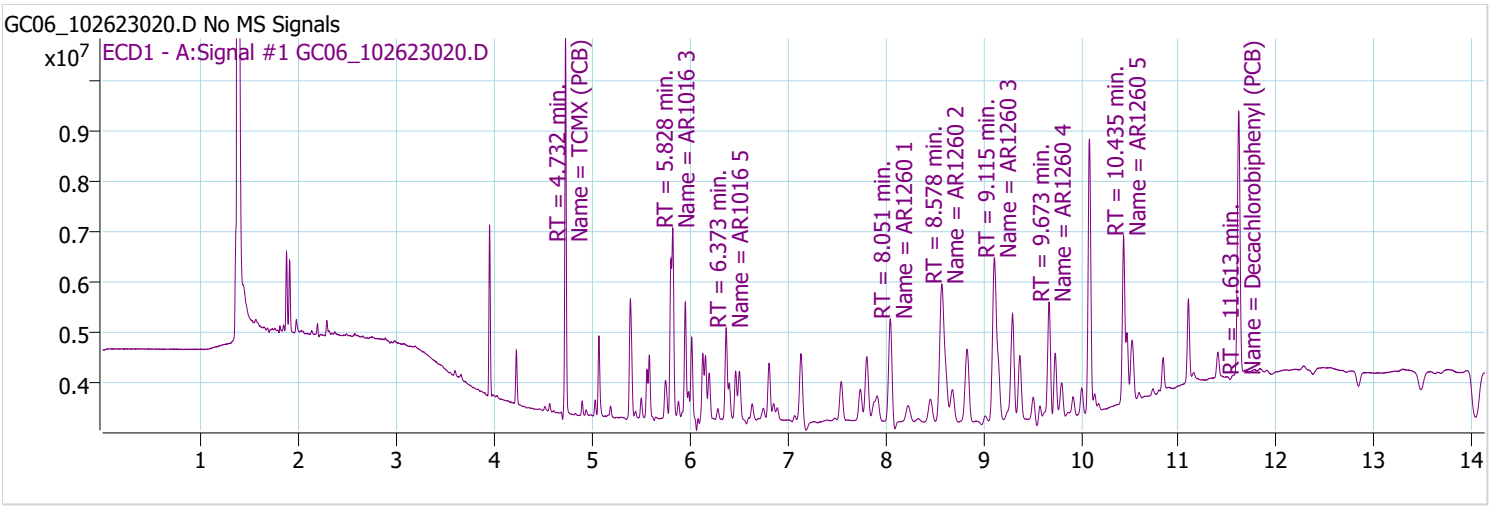
TRN 10/27/23 [Aroclor-1260 Peak # 4 B]: Corrected fronting or tailing peak integration for Ch. B for spike & dup. [general version]

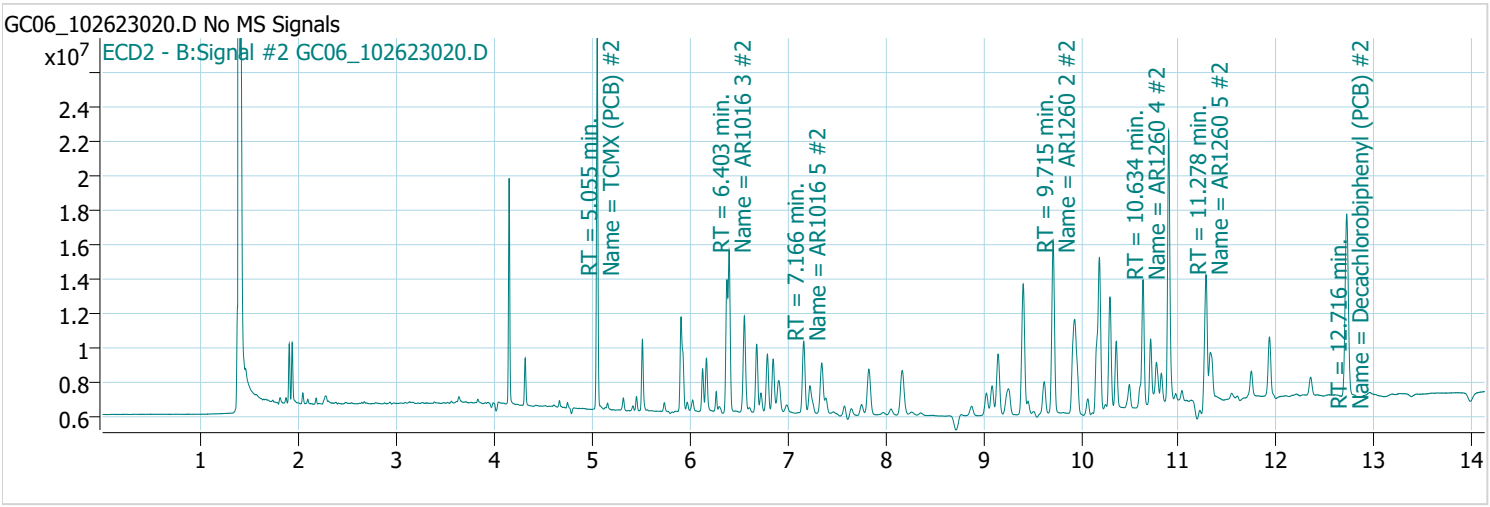
-=low bias c=CCV u=use

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623020.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 6:22:00 PM
Sample Name	QC1102662, 325199, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



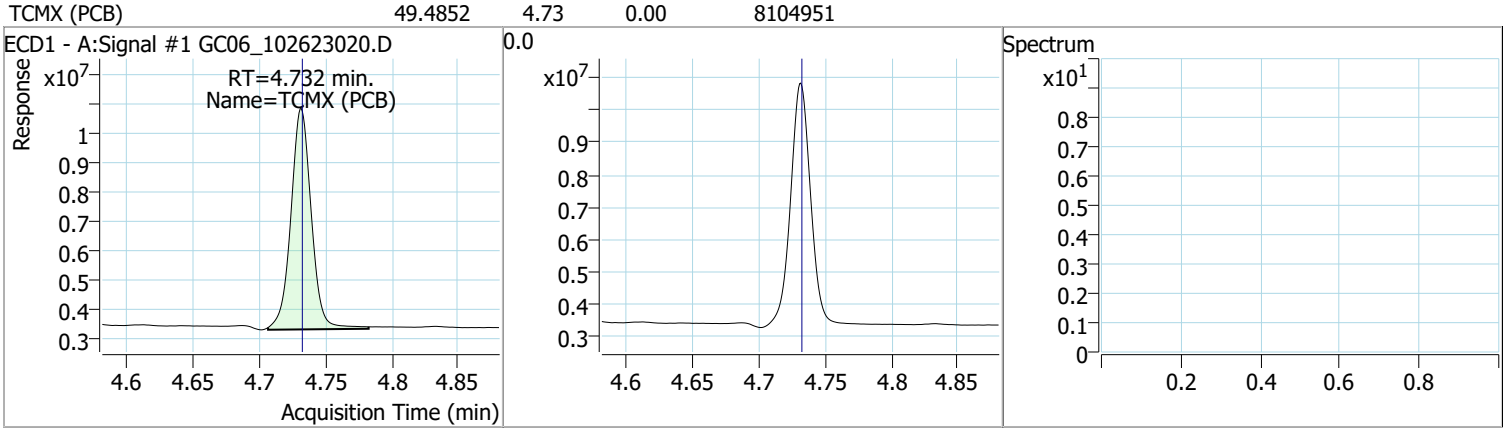


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.955	0.0	3291894.562	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	12642161.190	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.732	0.0	8104951.038	49.4852	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 247.43%		*	
S TCMX (PCB) #2	5.055	0.0	22331369.108	37.5782	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.89%		*	
S Decachlorobiphenyl (PCB)	11.613	0.0	10191918.499	48.5344	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 242.67%		*	
S Decachlorobiphenyl (PCB) #2	12.716	0.0	24052084.547	33.1437	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.72%		*	
Target Compounds							QValue

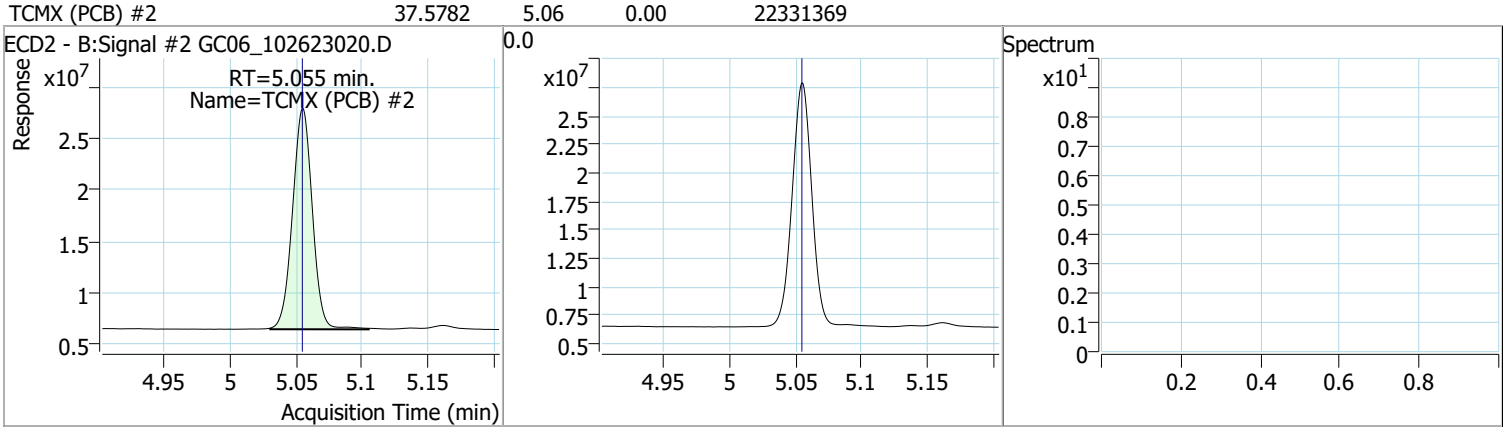
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.073	0.0	1933465.926	541.1514	ng/ml		100
T AR1016 2	5.394	0.0	3963158.357	552.6556	ng/ml		100
T AR1016 1 #2	5.518	0.0	5106613.023	436.8329	ng/ml		100
T AR1016 3	5.828	0.0	5125433.958	590.5917	ng/ml	m	100
T AR1016 2 #2	5.913	0.0	10782852.038	441.9884	ng/ml		100
T AR1016 4	5.956	0.0	3758470.737	654.3762	ng/ml	m	100
T AR1016 5	6.373	0.0	2883058.815	557.8104	ng/ml		100
T AR1016 3 #2	6.403	0.0	13828763.474	425.9807	ng/ml		100
T AR1016 4 #2	6.559	0.0	9625889.437	441.3869	ng/ml		100
T AR1016 5 #2	7.166	0.0	7894328.082	438.1631	ng/ml		100
T AR1260 1	8.051	0.0	5139877.816	516.4320	ng/ml		100
T AR1260 2	8.578	0.0	10008008.515	645.3208	ng/ml		100
T AR1260 3	9.115	0.0	10874466.826	667.7566	ng/ml		100
T AR1260 1 #2	9.409	0.0	16225563.502	484.7762	ng/ml		100
T AR1260 4	9.673	0.0	4627405.847	540.5590	ng/ml		100
T AR1260 2 #2	9.715	0.0	19427358.908	481.0915	ng/ml		100
T AR1260 3 #2	10.188	0.0	21695359.916	421.4591	ng/ml		100
T AR1260 5	10.435	0.0	6017060.880	550.8396	ng/ml		100
T AR1260 4 #2	10.634	0.0	13325489.250	425.7930	ng/ml	m	100
T AR1260 5 #2	11.278	0.0	15223807.009	328.2232	ng/ml		100

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

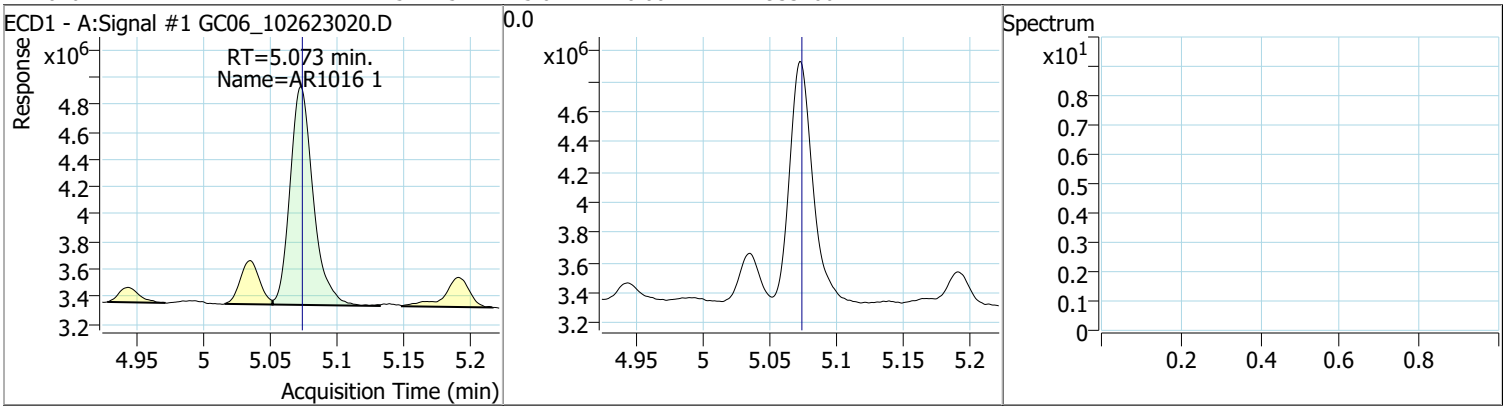
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.4852	4.73	0.00	8104951				



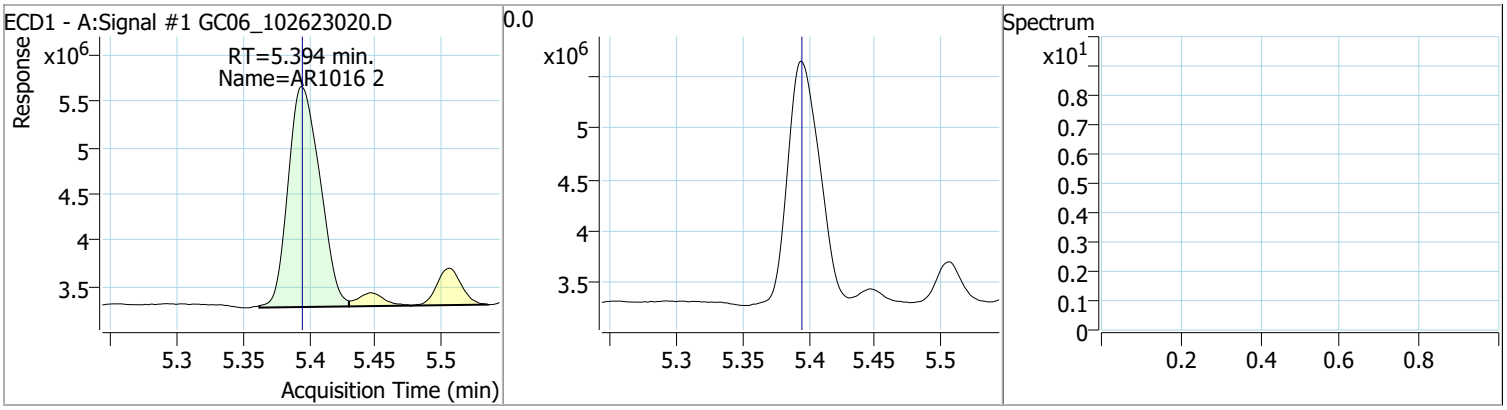
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TCMX (PCB) #2	37.5782	5.06	0.00	22331369				



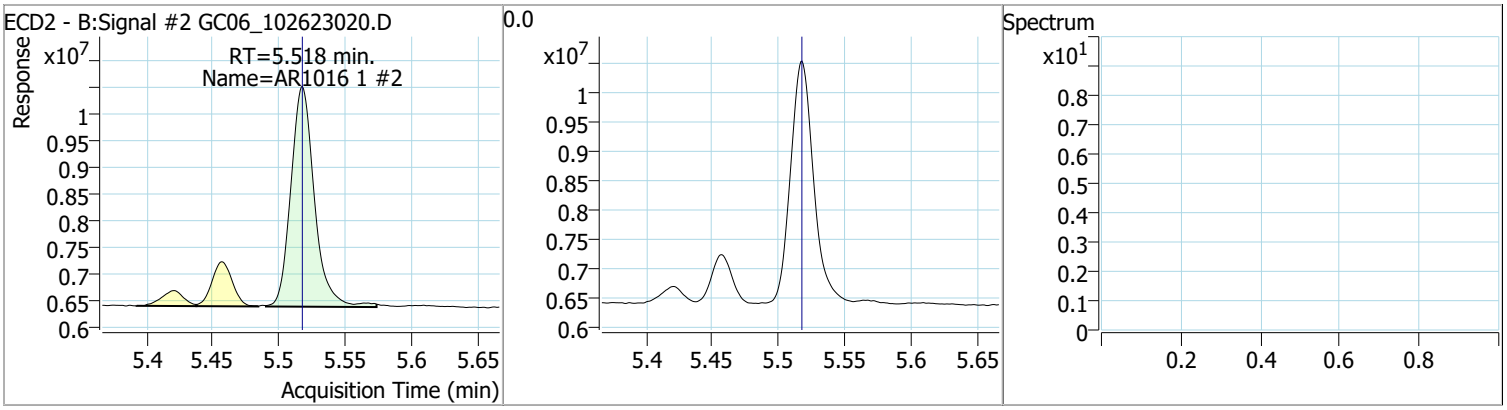
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	541.1514	5.07	0.00	1933466				



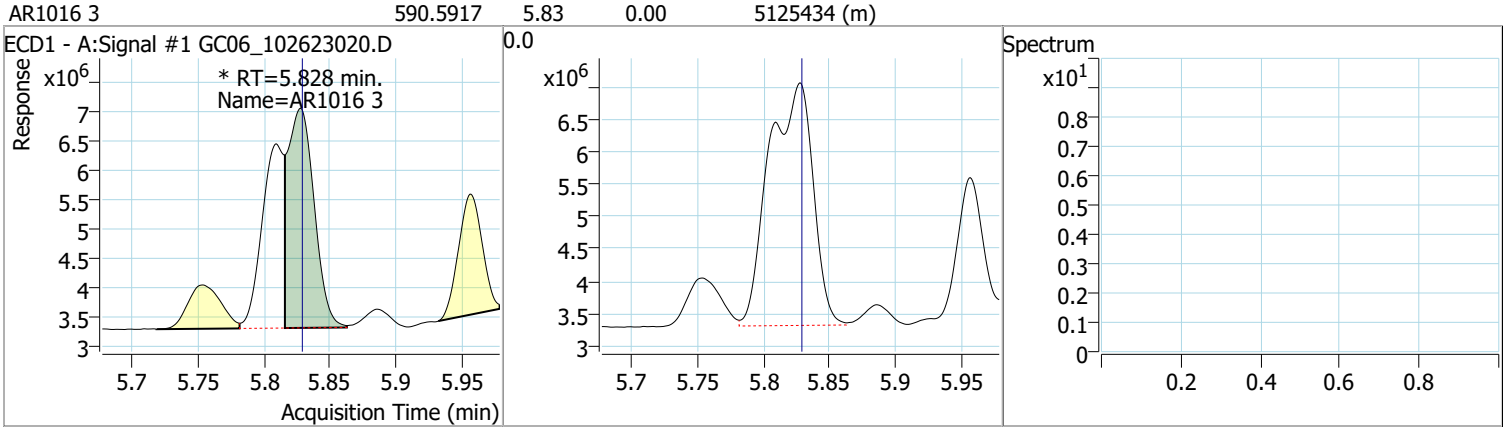
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	552.6556	5.39	0.00	3963158				



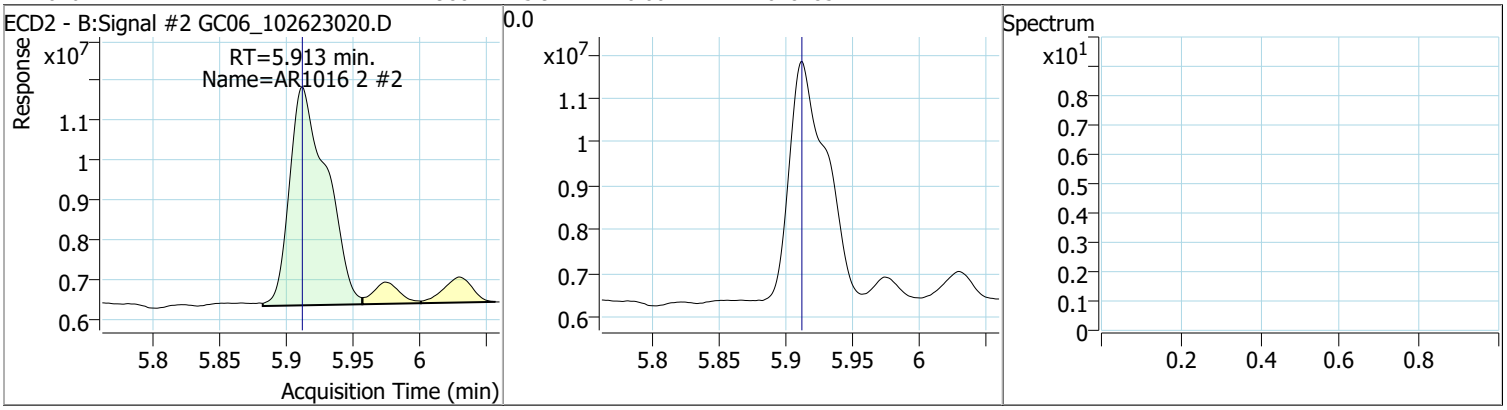
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	436.8329	5.52	0.00	5106613				



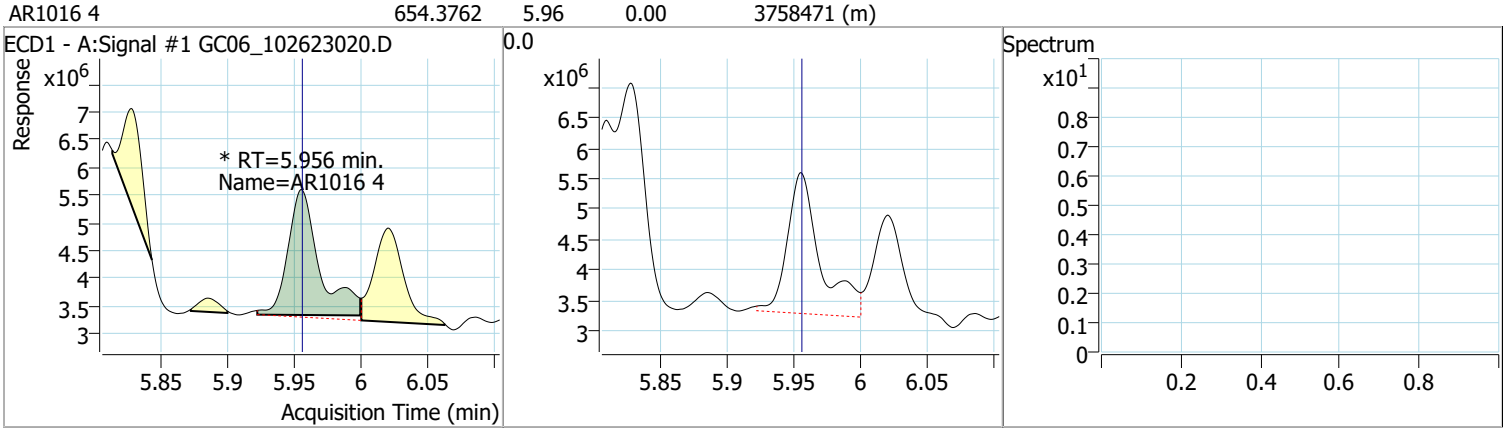
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	590.5917	5.83	0.00	5125434 (m)				



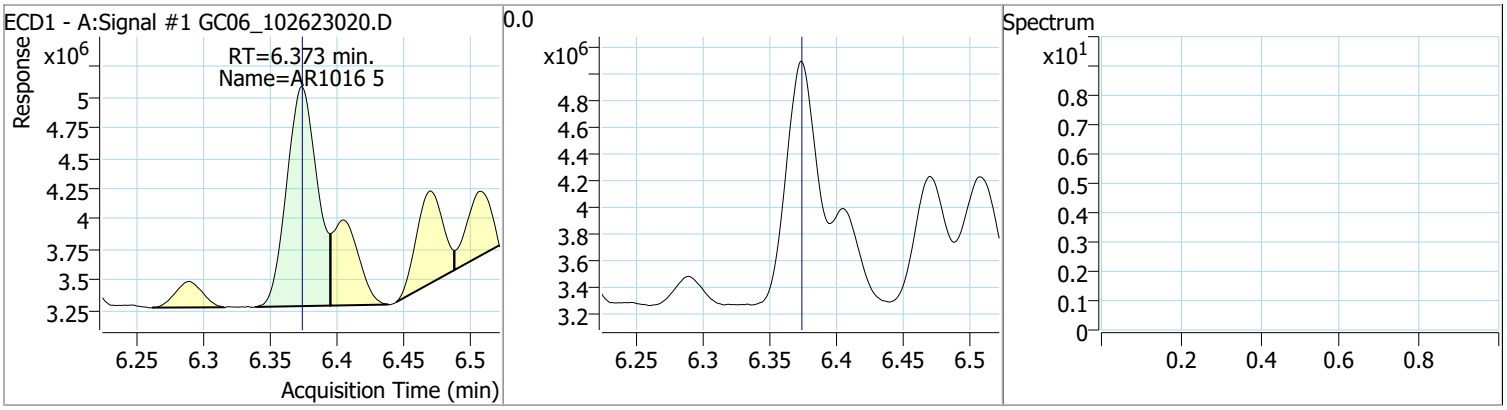
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	441.9884	5.91	0.00	10782852				



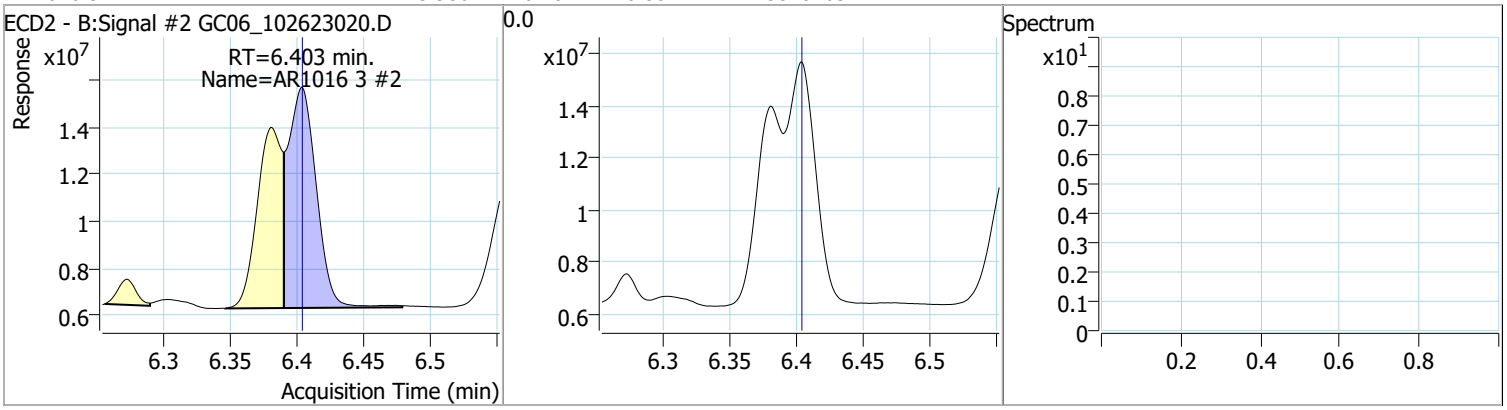
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	654.3762	5.96	0.00	3758471 (m)				



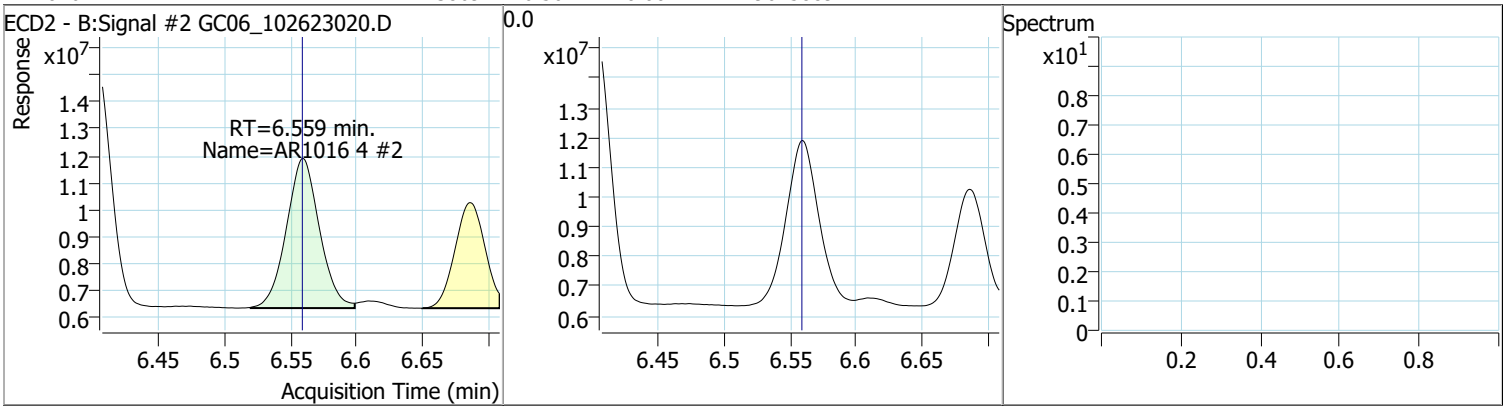
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	557.8104	6.37	0.00	2883059				



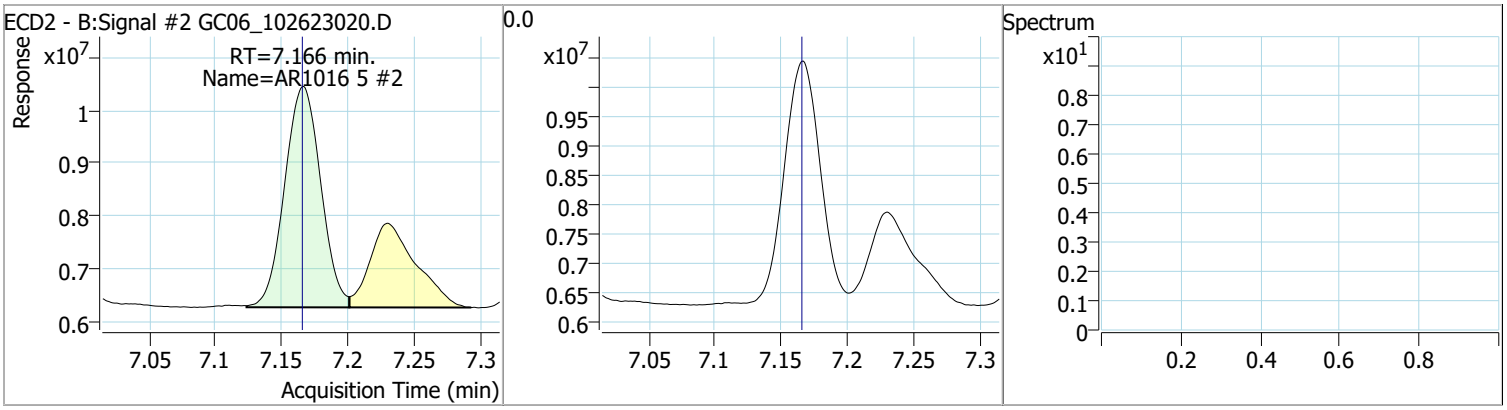
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	425.9807	6.40	0.00	13828763				



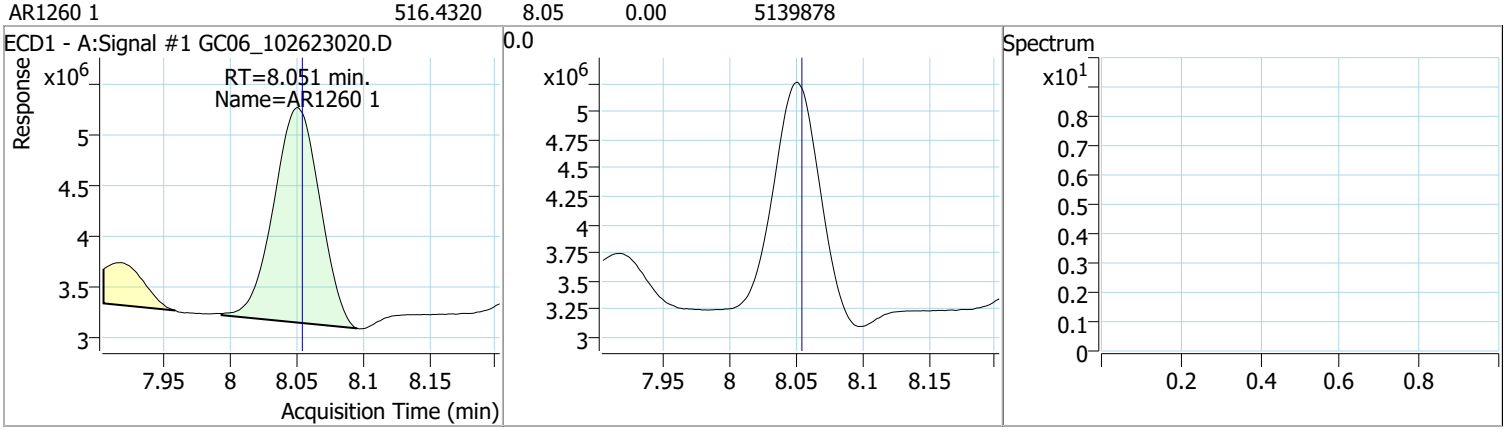
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	441.3869	6.56	0.00	9625889				



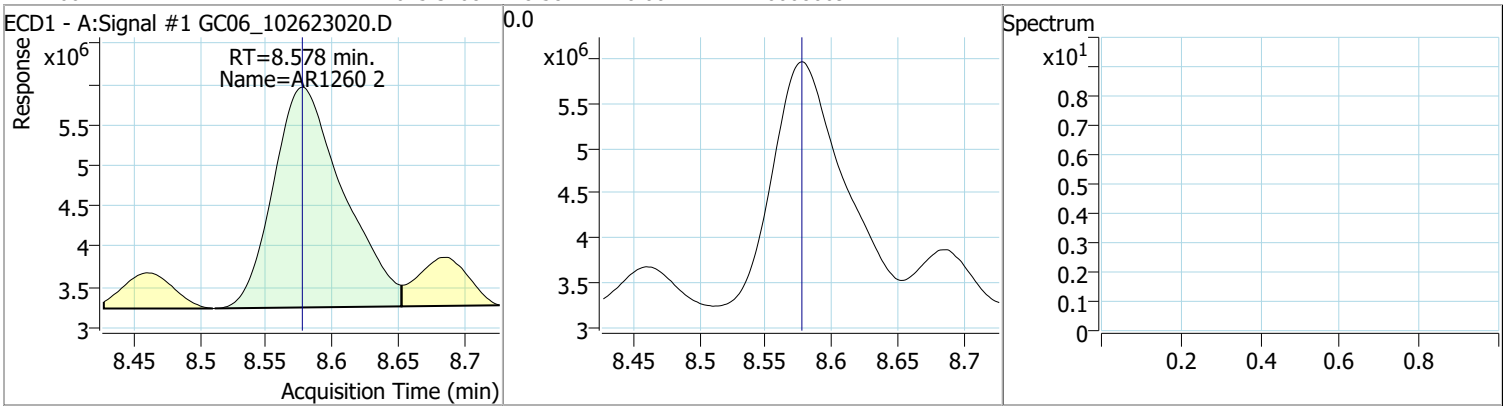
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	438.1631	7.17	0.00	7894328				



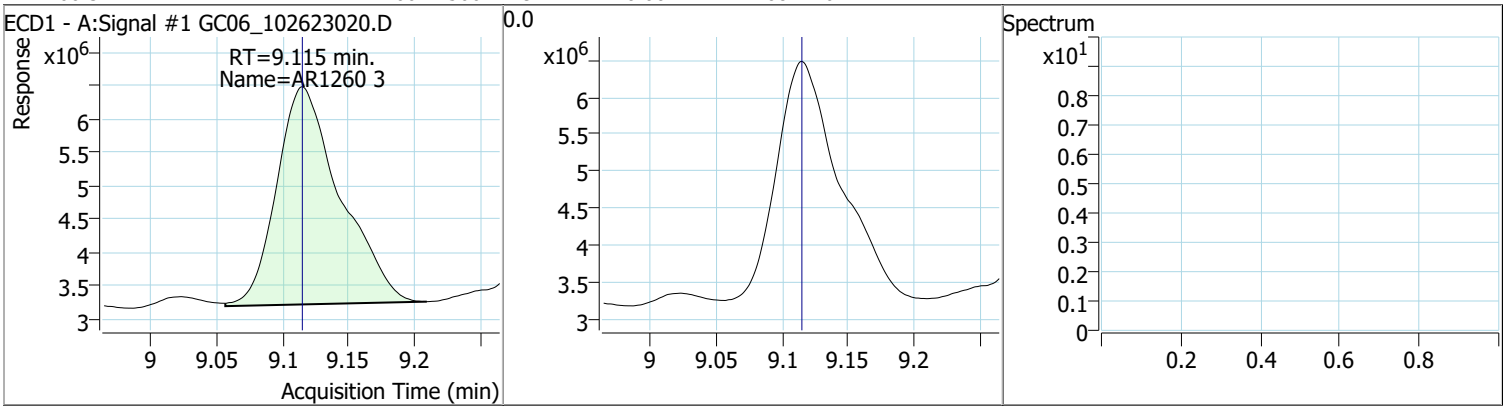
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	516.4320	8.05	0.00	5139878				



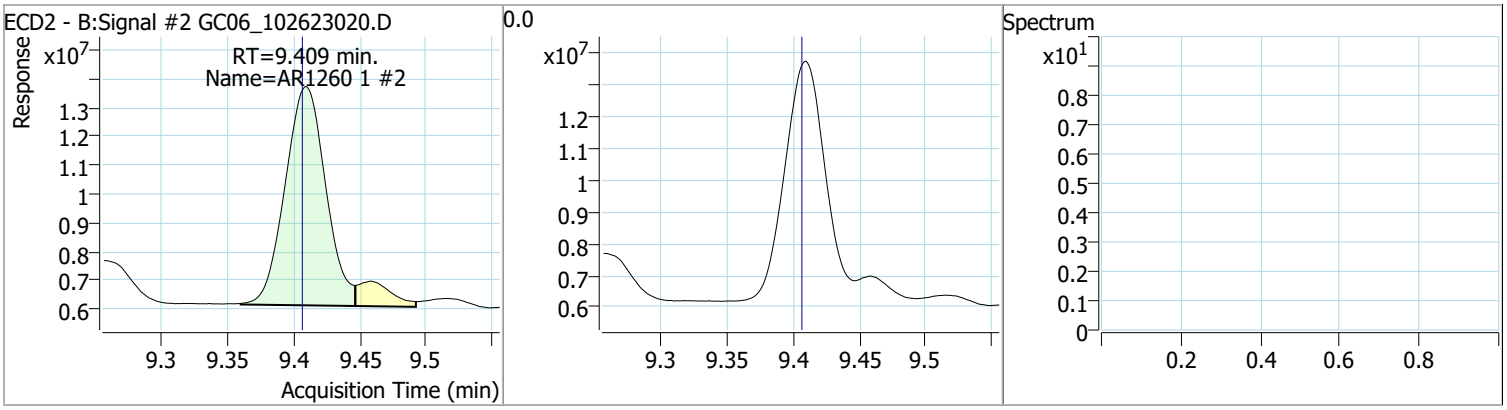
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	645.3208	8.58	0.00	10008009				



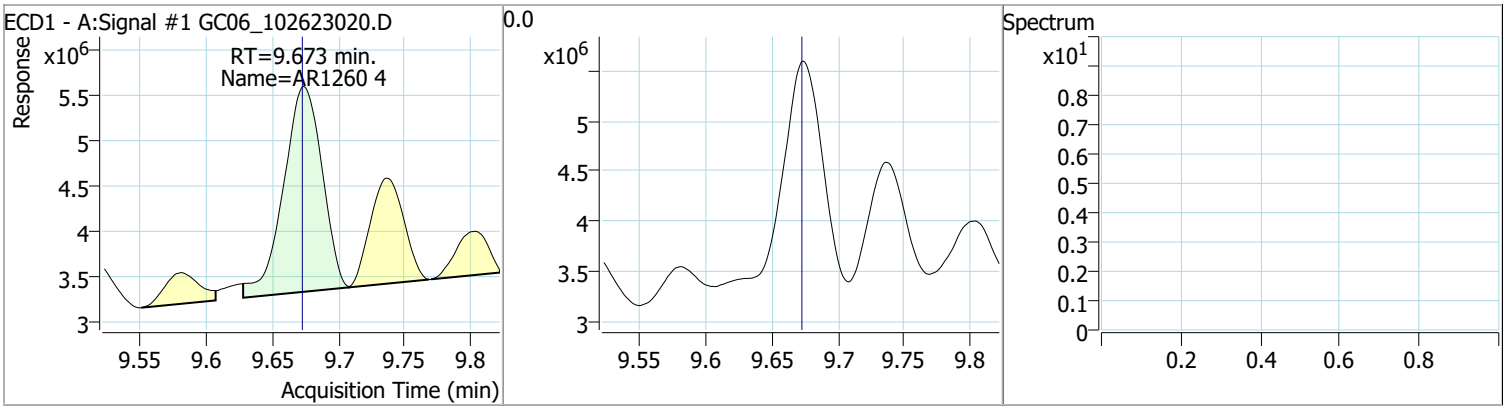
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	667.7566	9.12	0.00	10874467				



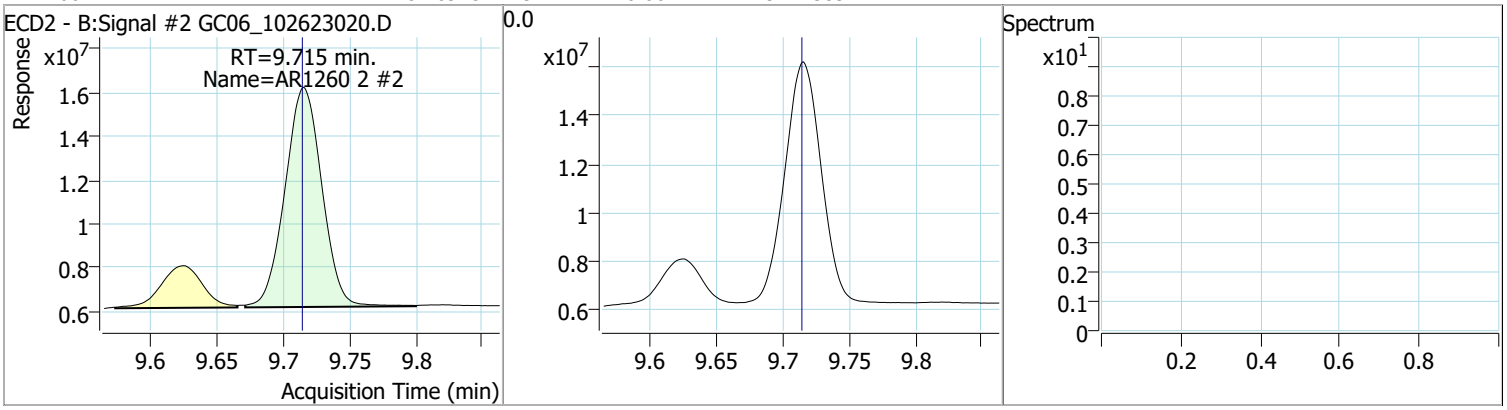
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	484.7762	9.41	0.00	16225564				



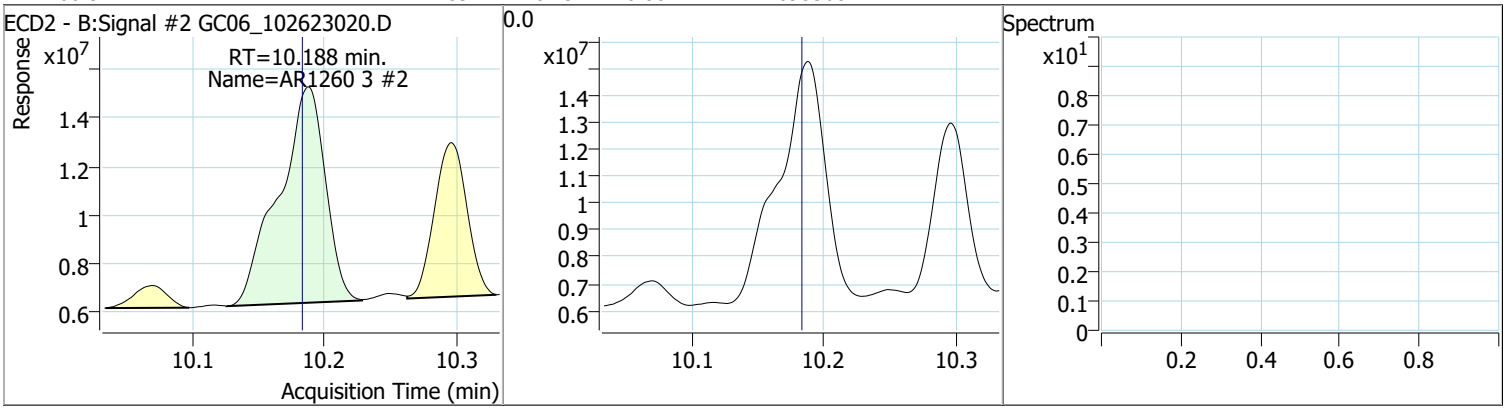
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	540.5590	9.67	0.00	4627406				



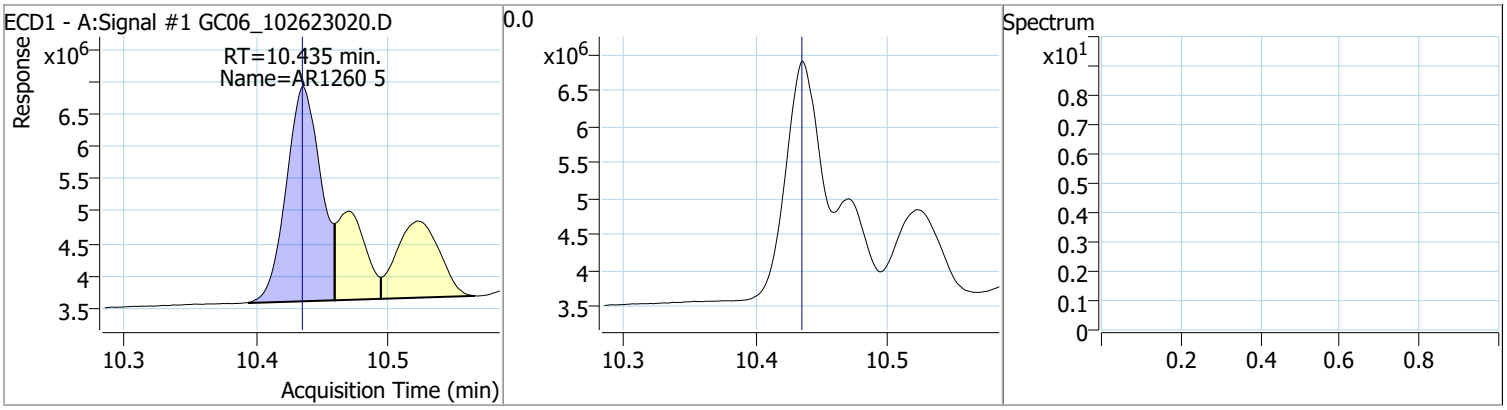
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	481.0915	9.72	0.00	19427359				



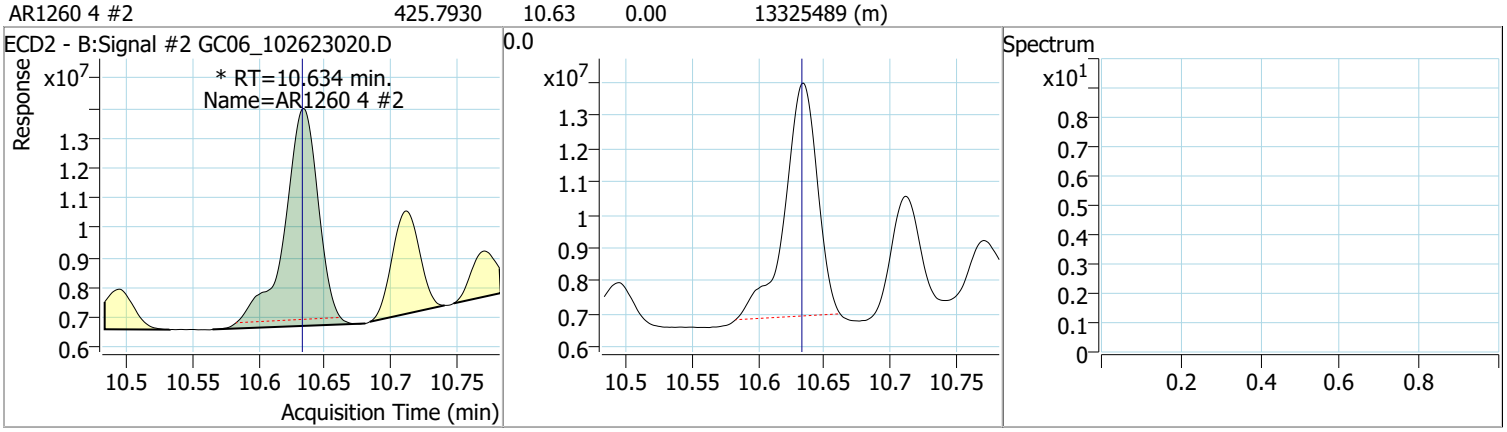
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	421.4591	10.19	0.00	21695360				



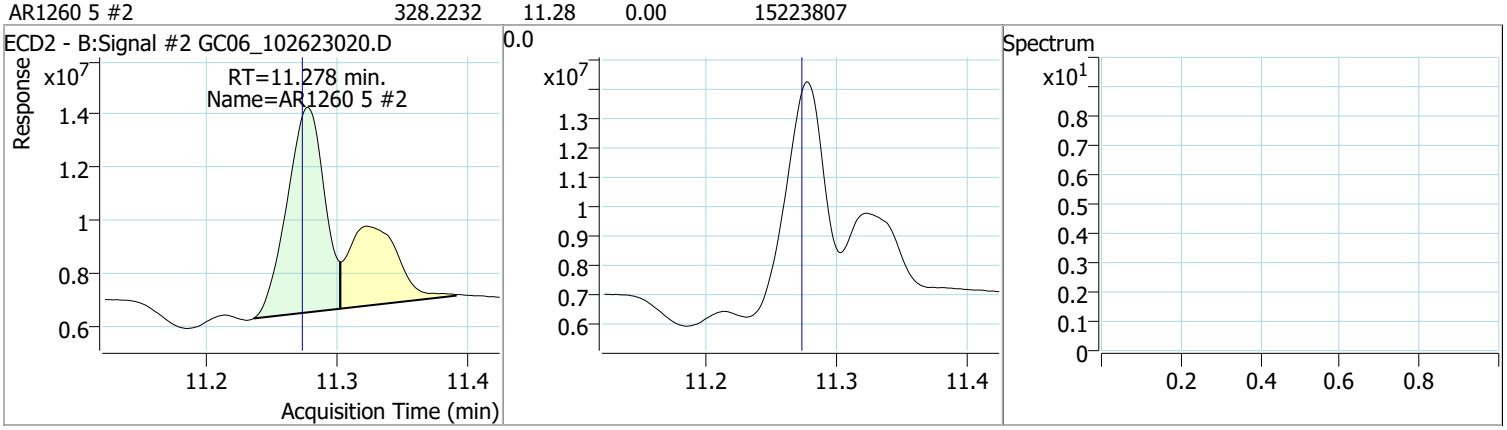
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	550.8396	10.44	0.00	6017061				



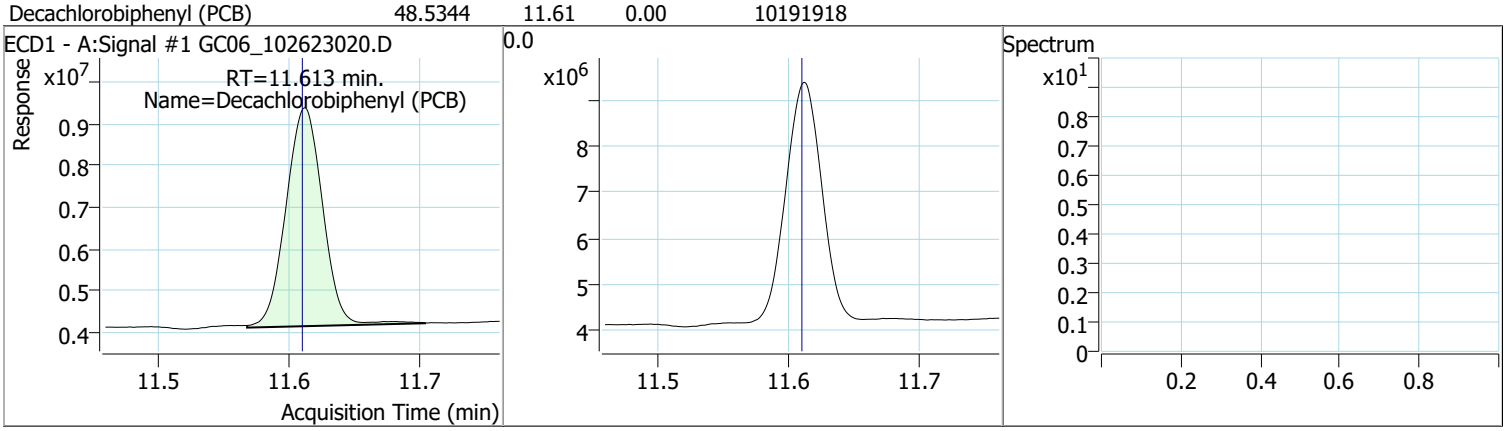
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	425.7930	10.63	0.00	13325489 (m)				



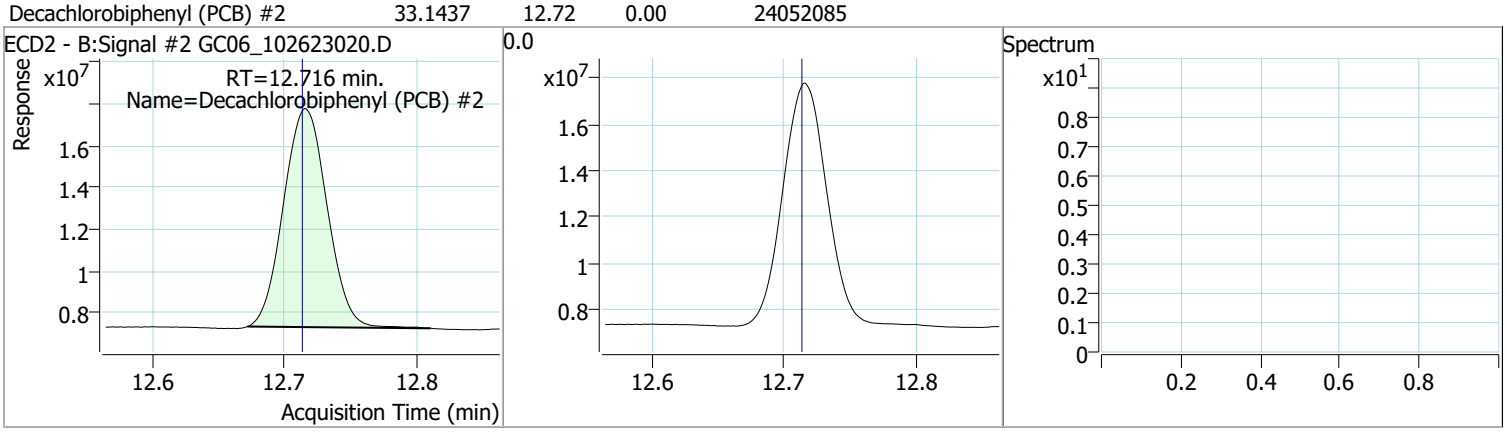
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	328.2232	11.28	0.00	15223807				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	48.5344	11.61	0.00	10191918				

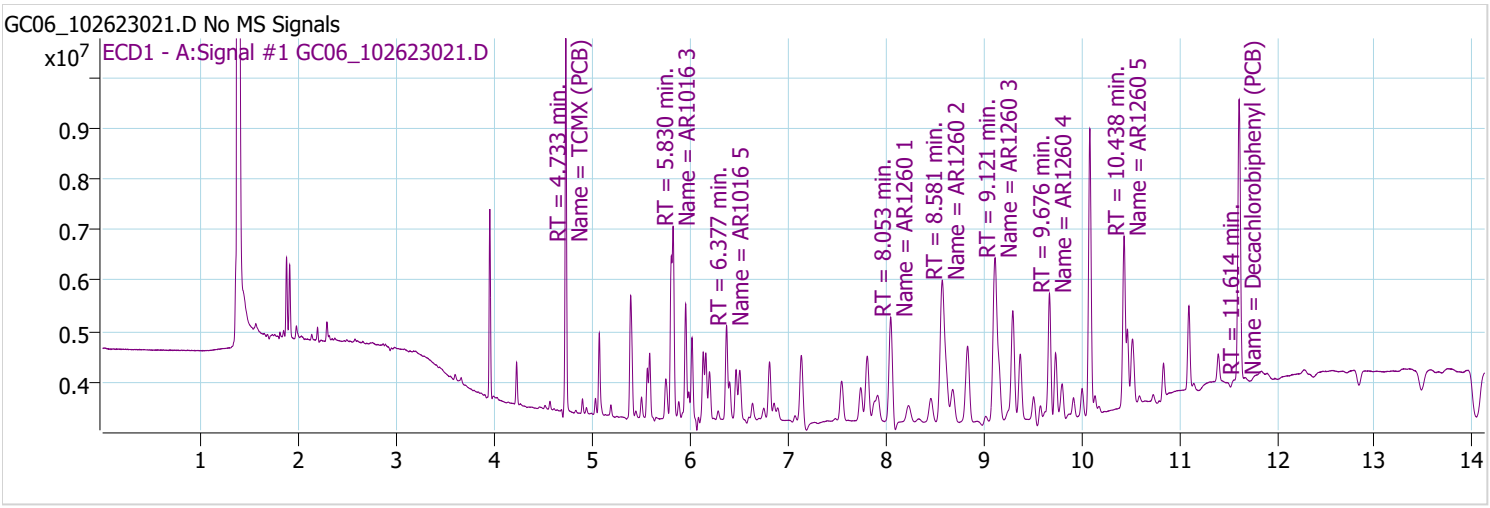


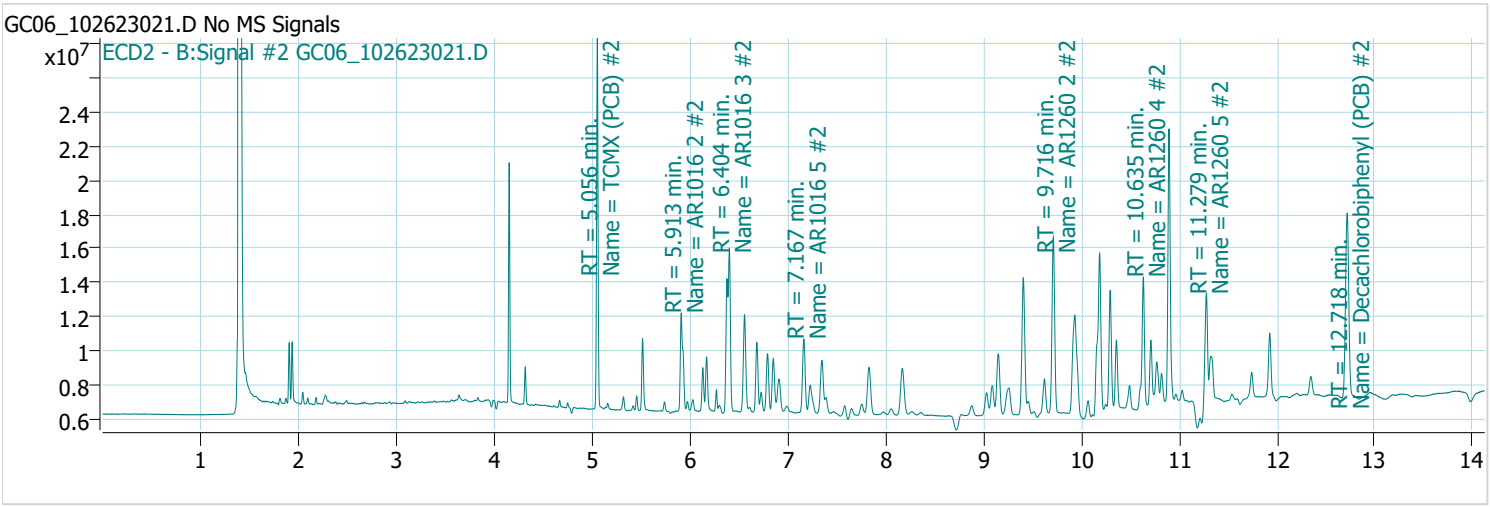
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.1437	12.72	0.00	24052085				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102623021.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 6:42:13 PM
Sample Name	QC1102663, 325199, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



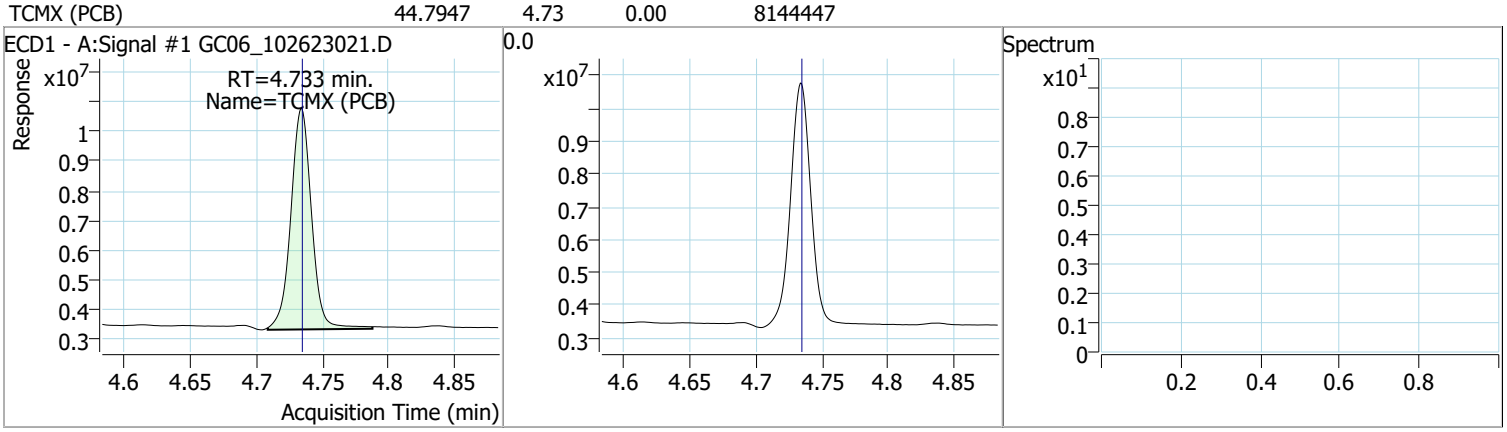


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.957	0.0	3654314.895	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	13548882.079	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	8144447.360	44.7947	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.97%		*	
S TCMX (PCB) #2	5.056	0.0	23153970.752	36.3550	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.77%		*	
S Decachlorobiphenyl (PCB)	11.614	0.0	11062402.765	47.4551	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 237.28%		*	
S Decachlorobiphenyl (PCB) #2	12.718	0.0	25956622.126	33.3745	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.87%		*	
Target Compounds							QValue

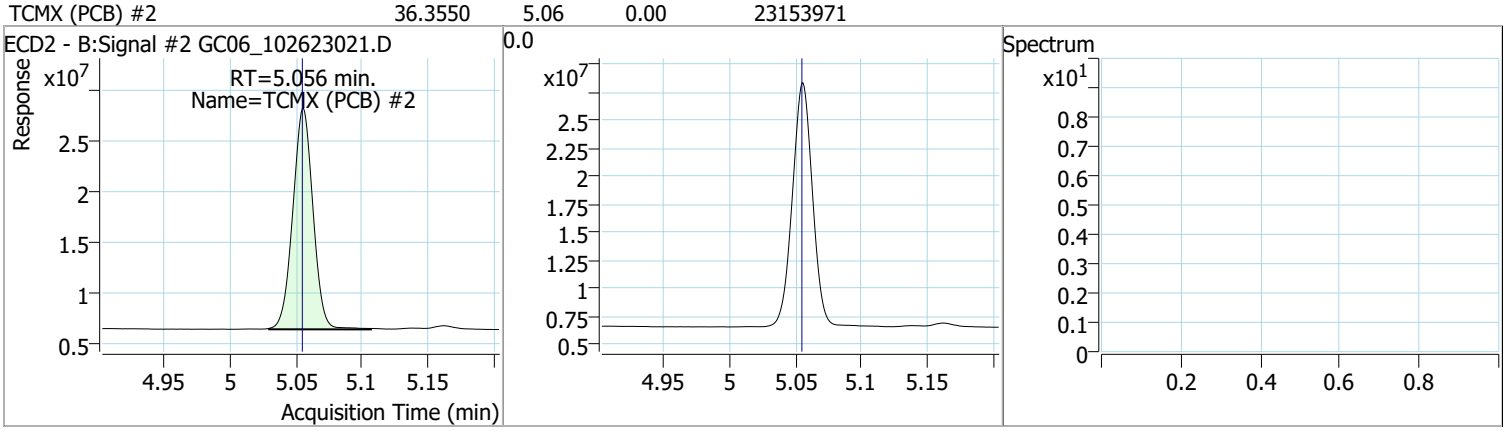
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.076	0.0	2003393.228	505.1128	ng/ml		100
T AR1016 2	5.397	0.0	4031560.277	506.4380	ng/ml		100
T AR1016 1 #2	5.518	0.0	5417586.973	432.4204	ng/ml		100
T AR1016 3	5.830	0.0	5373652.533	557.7843	ng/ml	m	100
T AR1016 2 #2	5.913	0.0	11242711.400	429.9977	ng/ml		100
T AR1016 4	5.958	0.0	3900730.736	611.7898	ng/ml		100
T AR1016 5	6.377	0.0	2949964.413	514.1500	ng/ml		100
T AR1016 3 #2	6.404	0.0	14516735.217	417.2472	ng/ml		100
T AR1016 4 #2	6.559	0.0	10105804.585	432.3817	ng/ml		100
T AR1016 5 #2	7.167	0.0	8292196.408	429.4455	ng/ml		100
T AR1260 1	8.053	0.0	5748730.301	520.3220	ng/ml		100
T AR1260 2	8.581	0.0	10187809.762	591.7643	ng/ml		100
T AR1260 3	9.121	0.0	11156457.867	617.1298	ng/ml		100
T AR1260 1 #2	9.408	0.0	16930236.985	471.9787	ng/ml		100
T AR1260 4	9.676	0.0	4705209.030	495.1358	ng/ml		100
T AR1260 2 #2	9.716	0.0	20217534.414	467.1539	ng/ml		100
T AR1260 3 #2	10.188	0.0	22328738.095	404.7348	ng/ml		100
T AR1260 5	10.438	0.0	6224070.540	513.2810	ng/ml		100
T AR1260 4 #2	10.635	0.0	13711649.775	408.8113	ng/ml	m	100
T AR1260 5 #2	11.279	0.0	13806778.698	277.7514	ng/ml		100

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

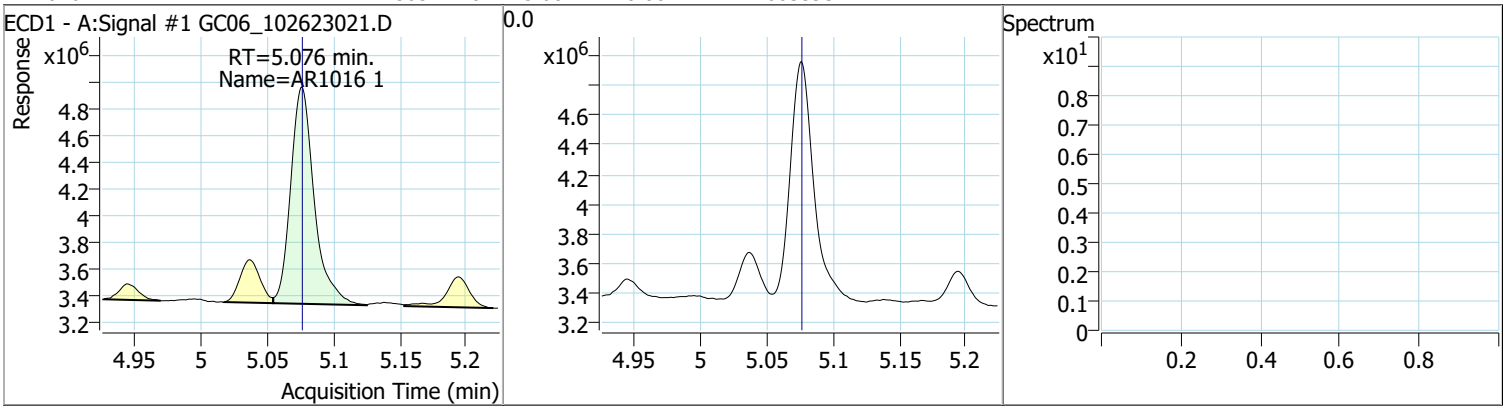
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.7947	4.73	0.00	8144447				



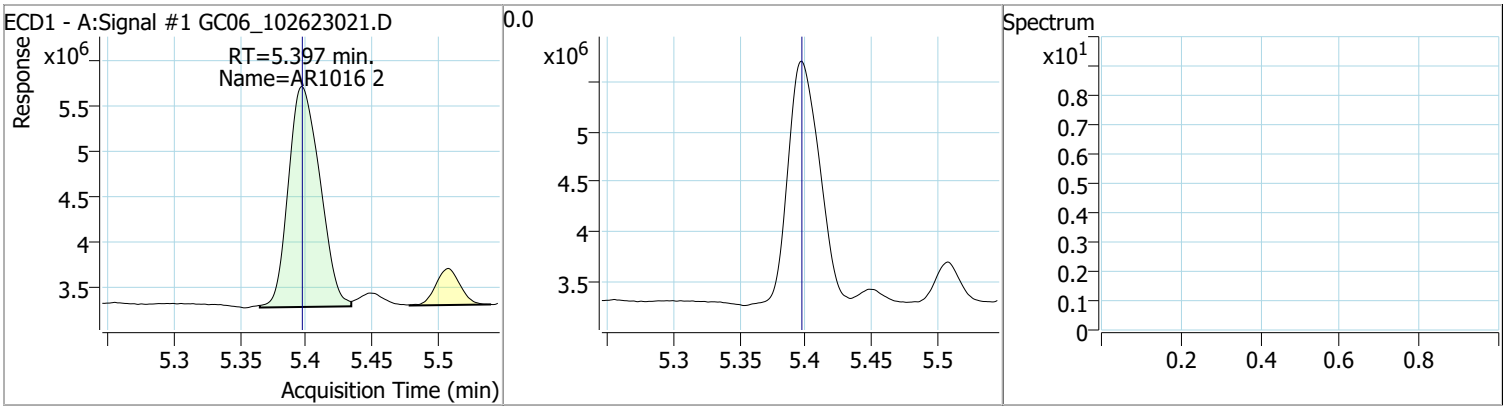
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.3550	5.06	0.00	23153971				



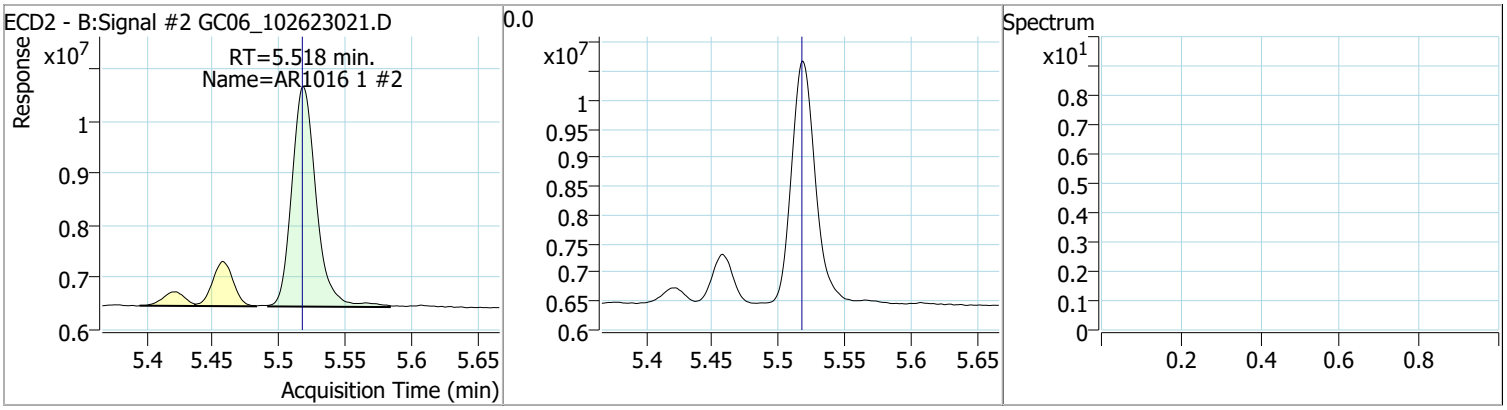
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	505.1128	5.08	0.00	2003393				



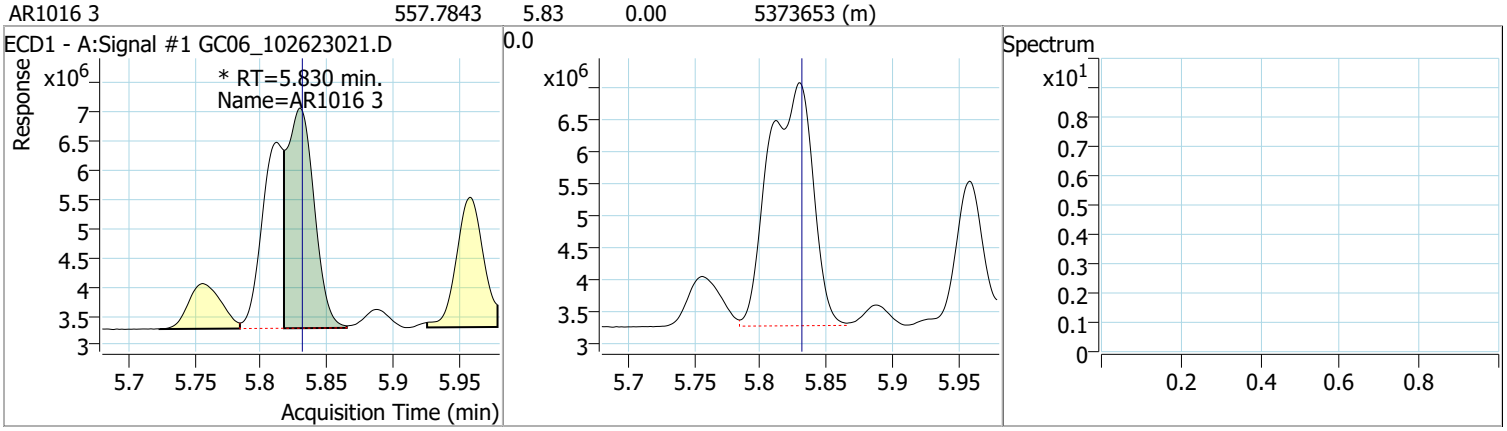
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	506.4380	5.40	0.00	4031560				



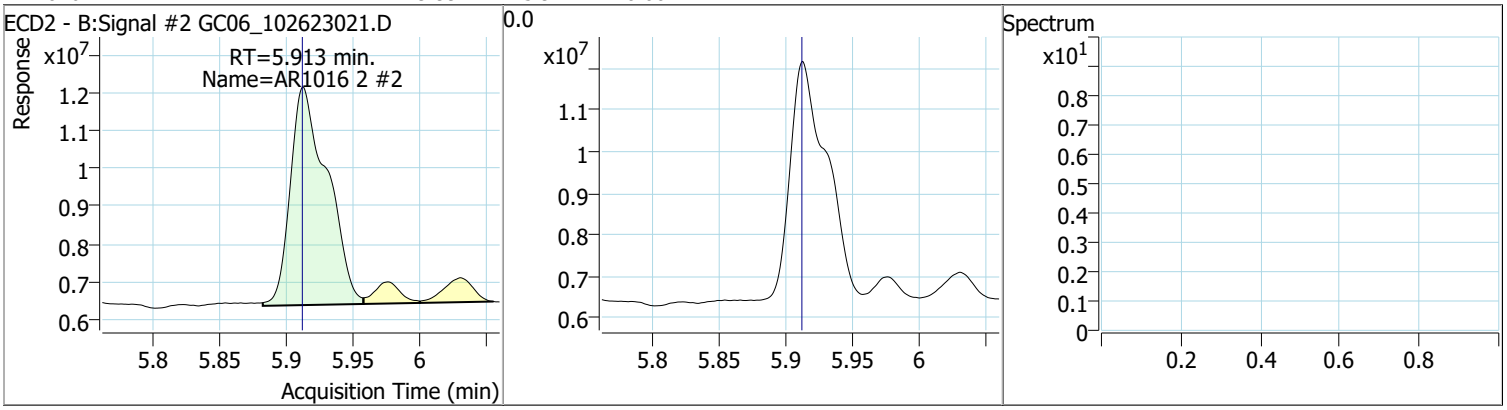
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	432.4204	5.52	0.00	5417587				



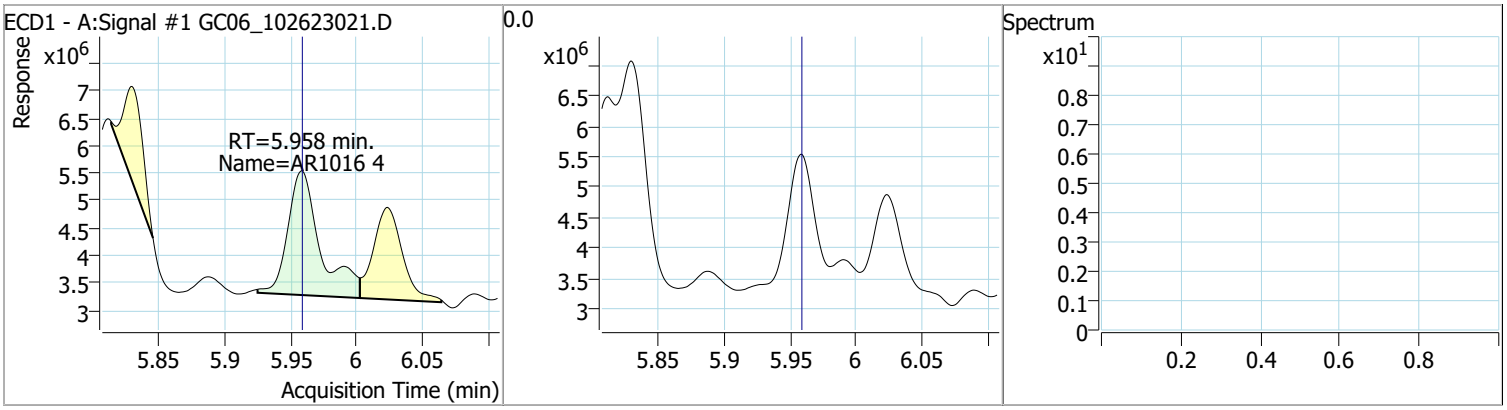
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	557.7843	5.83	0.00	5373653 (m)				



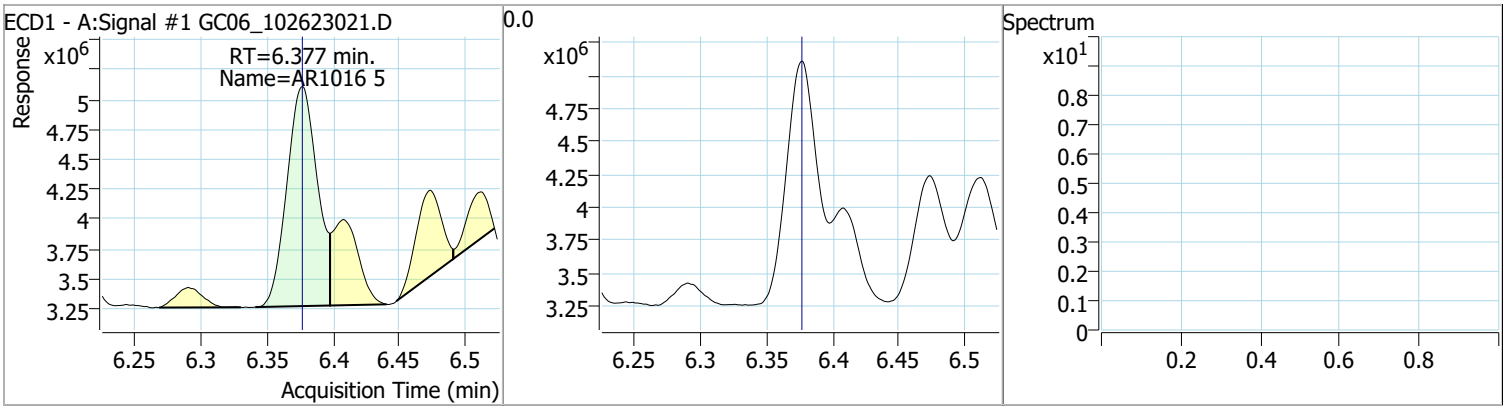
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	429.9977	5.91	0.00	11242711				



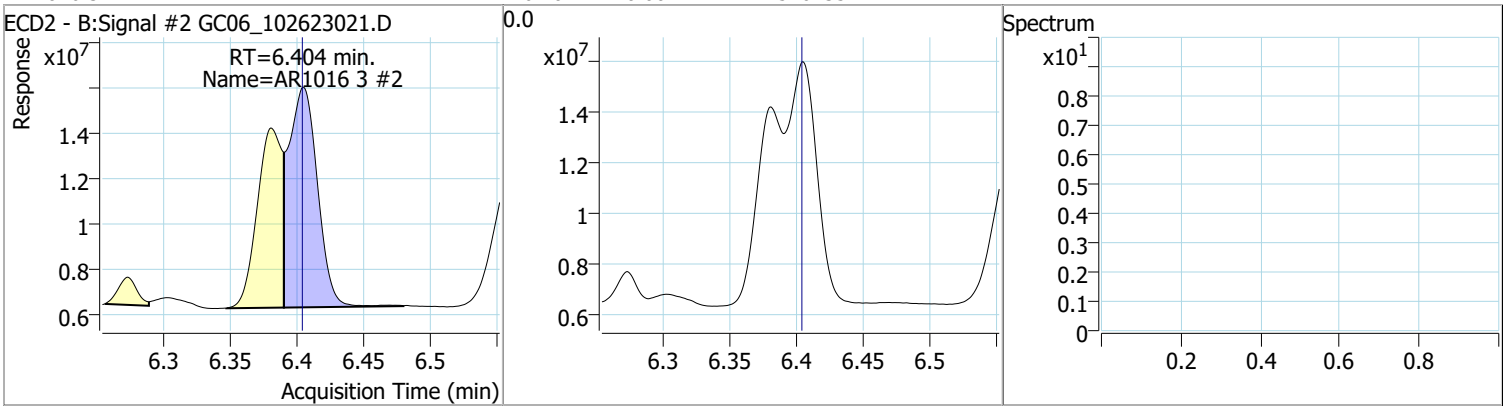
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	611.7898	5.96	0.00	3900731				



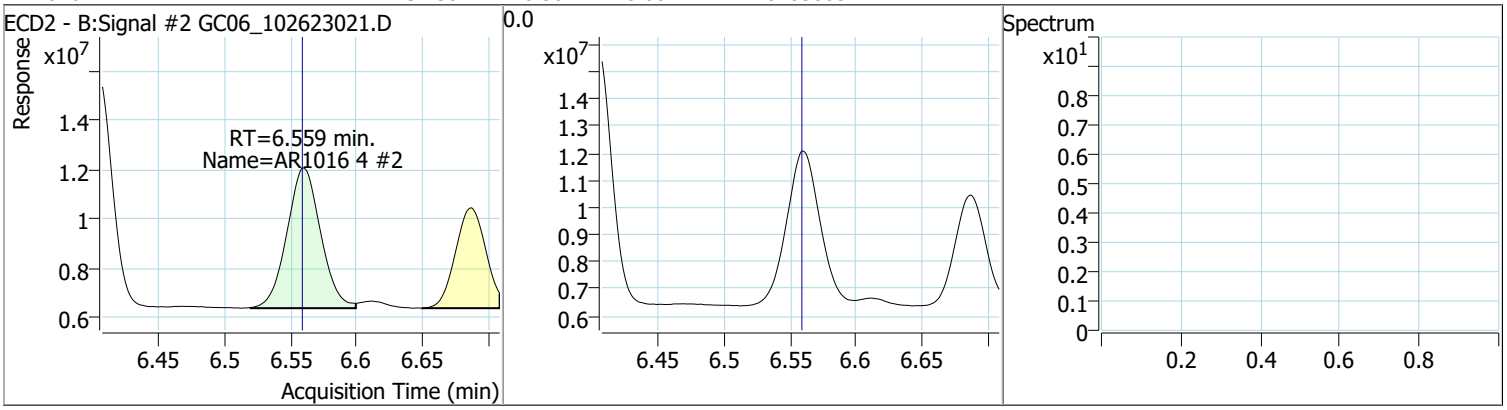
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	514.1500	6.38	0.00	2949964				



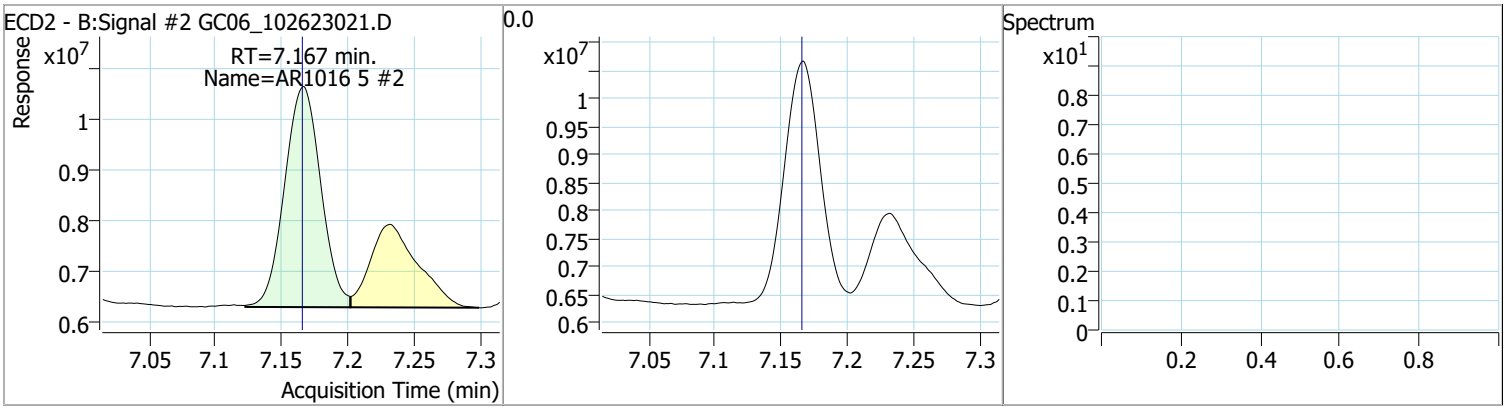
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	417.2472	6.40	0.00	14516735				



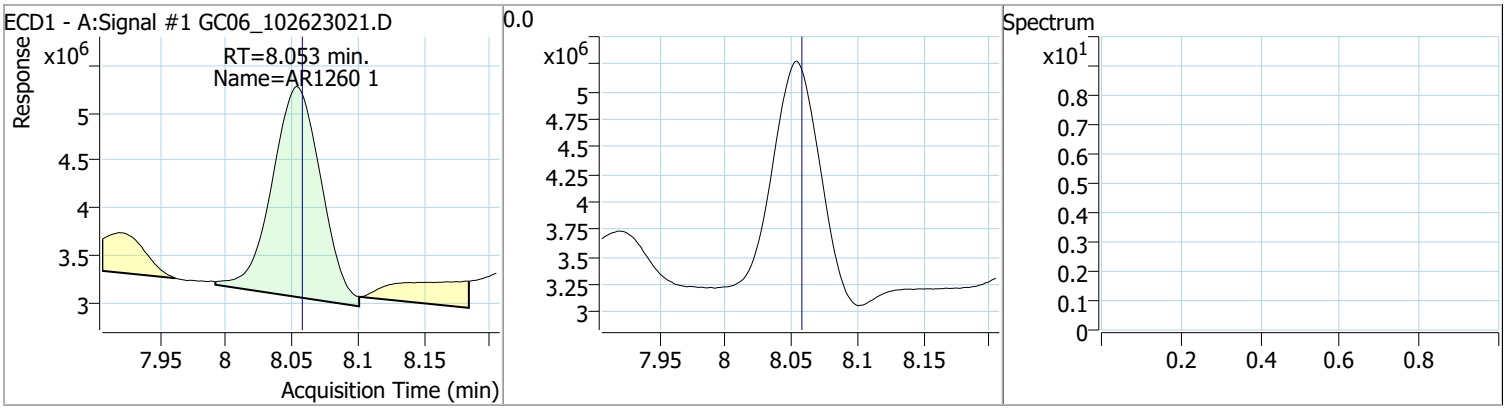
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	432.3817	6.56	0.00	10105805				



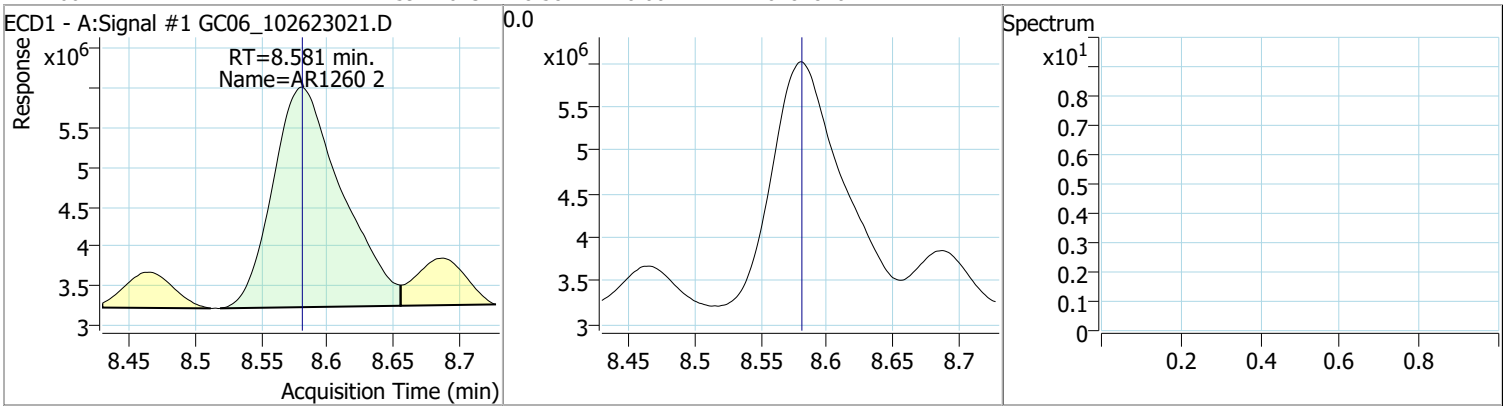
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	429.4455	7.17	0.00	8292196				



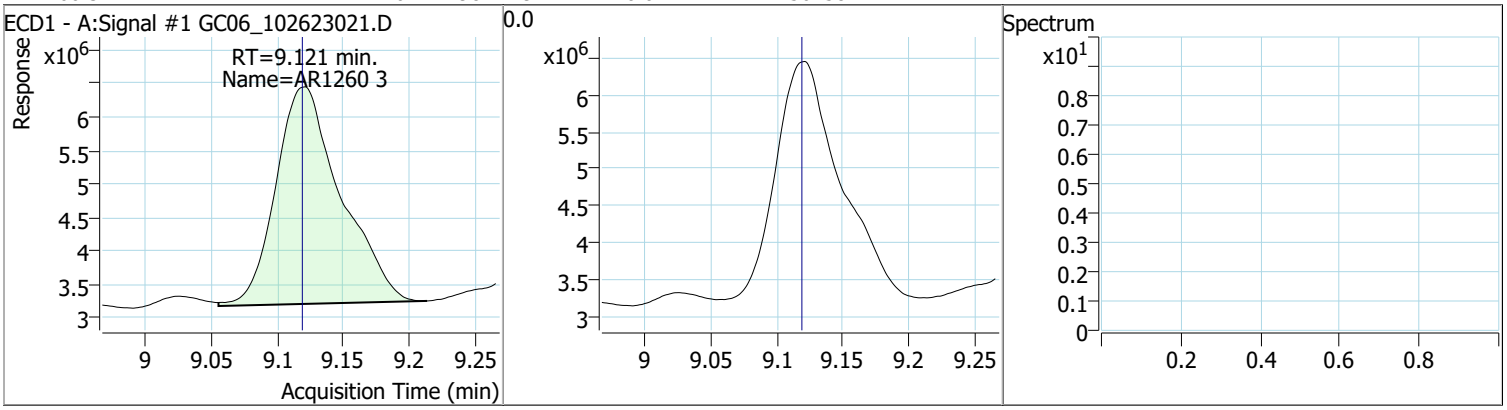
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	520.3220	8.05	0.00	5748730				



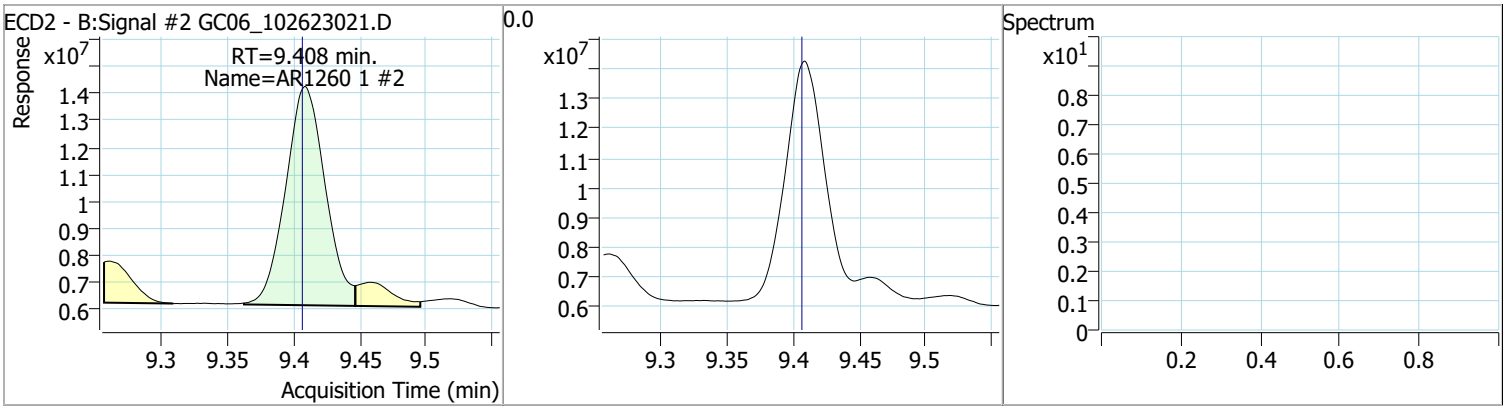
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	591.7643	8.58	0.00	10187810				



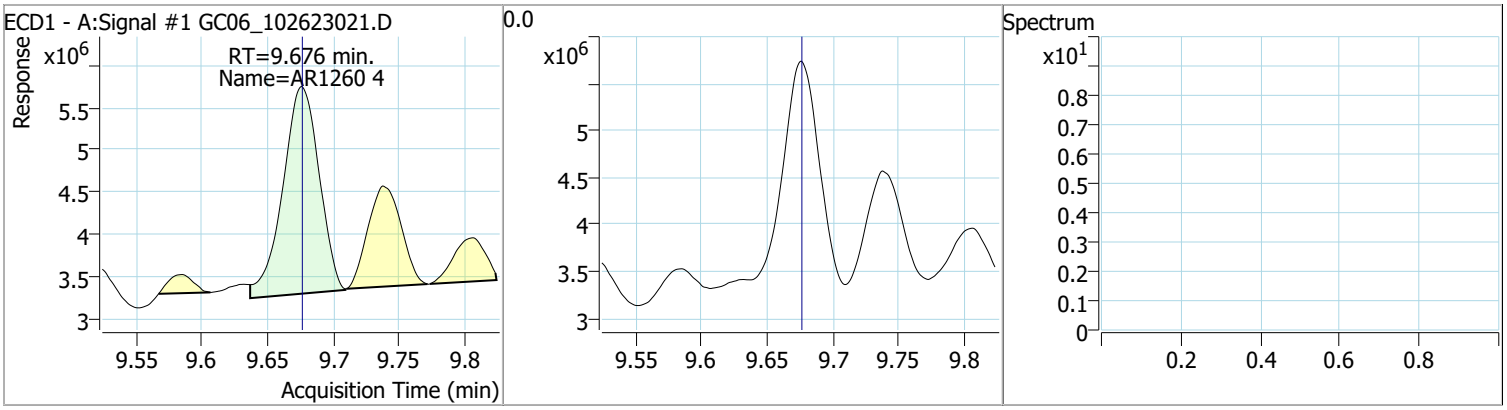
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	617.1298	9.12	0.01	11156458				



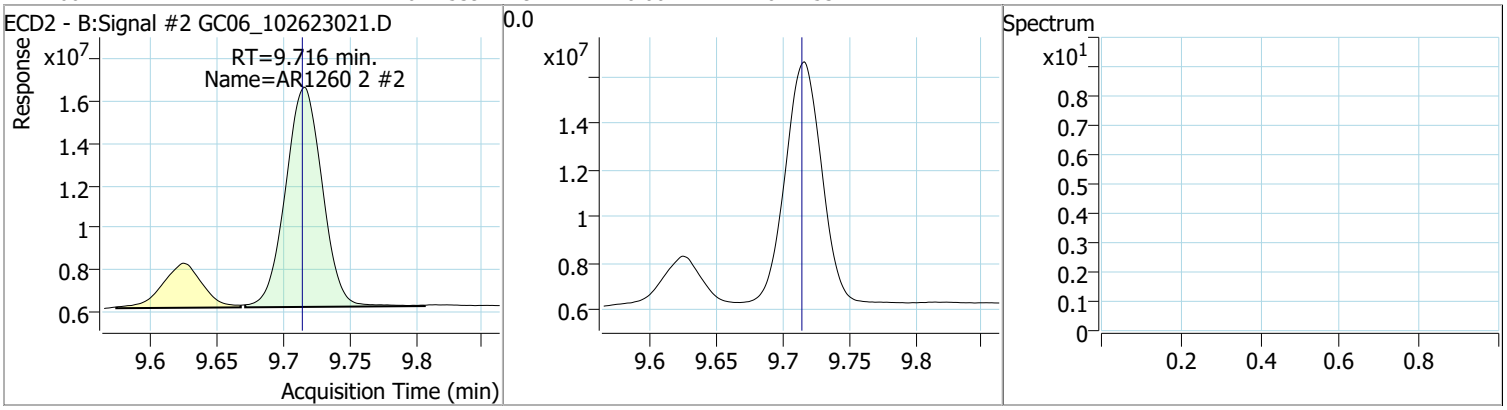
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	471.9787	9.41	0.00	16930237				



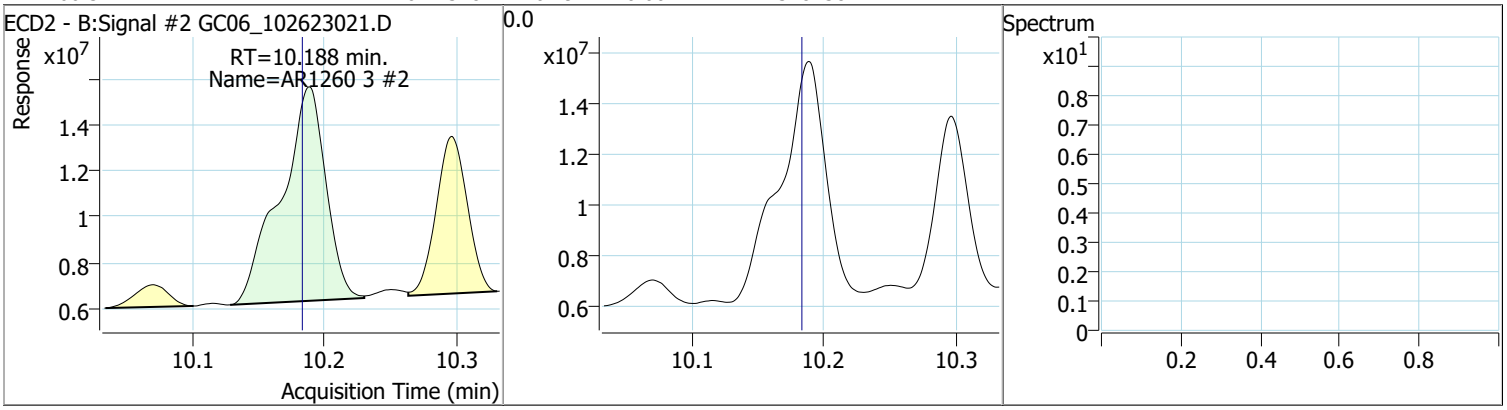
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	495.1358	9.68	0.00	4705209				



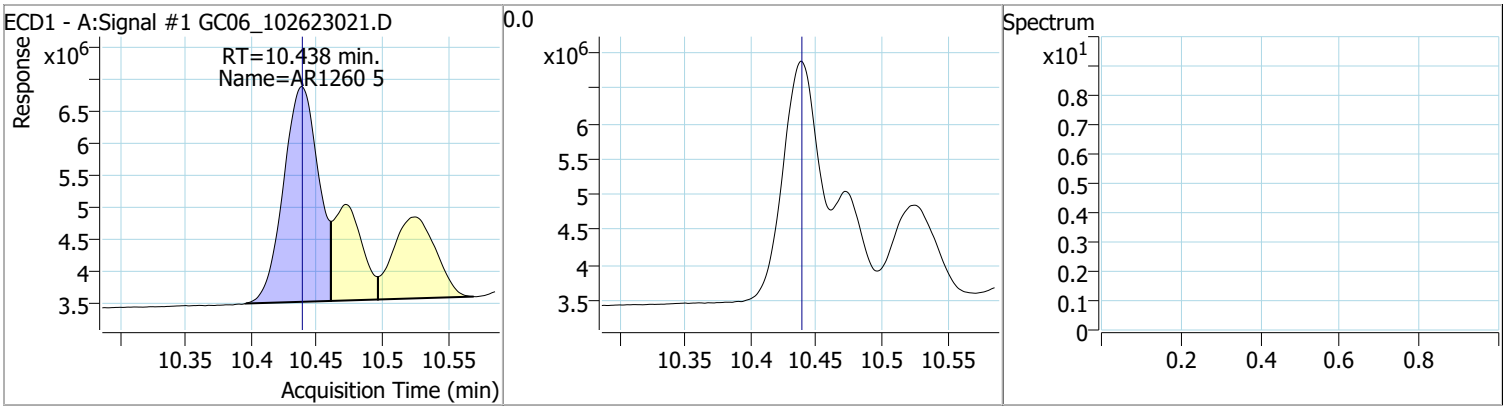
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	467.1539	9.72	0.00	20217534				



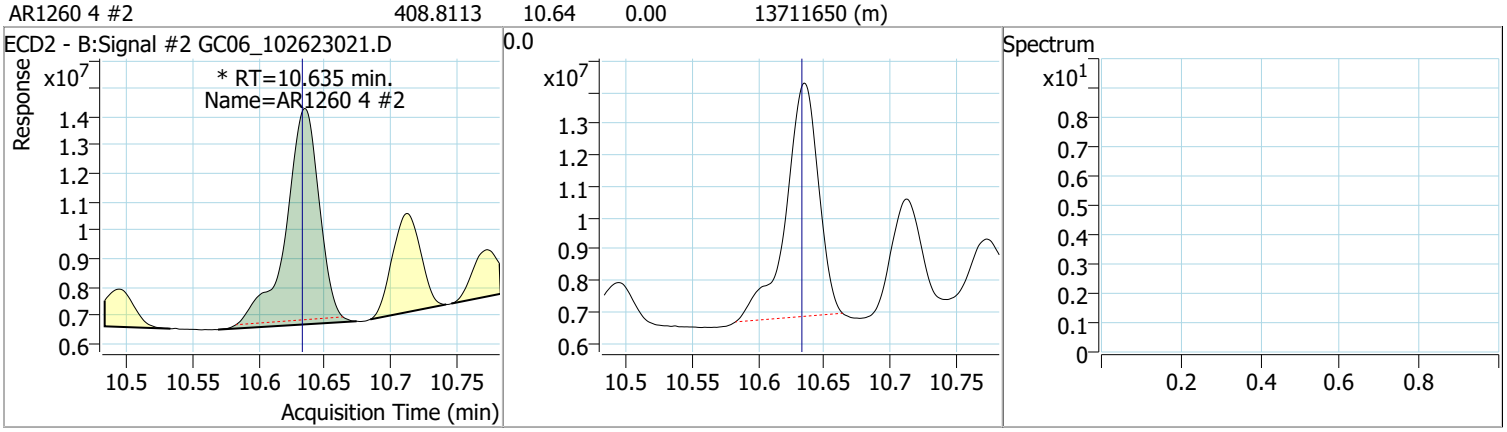
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	404.7348	10.19	0.00	22328738				



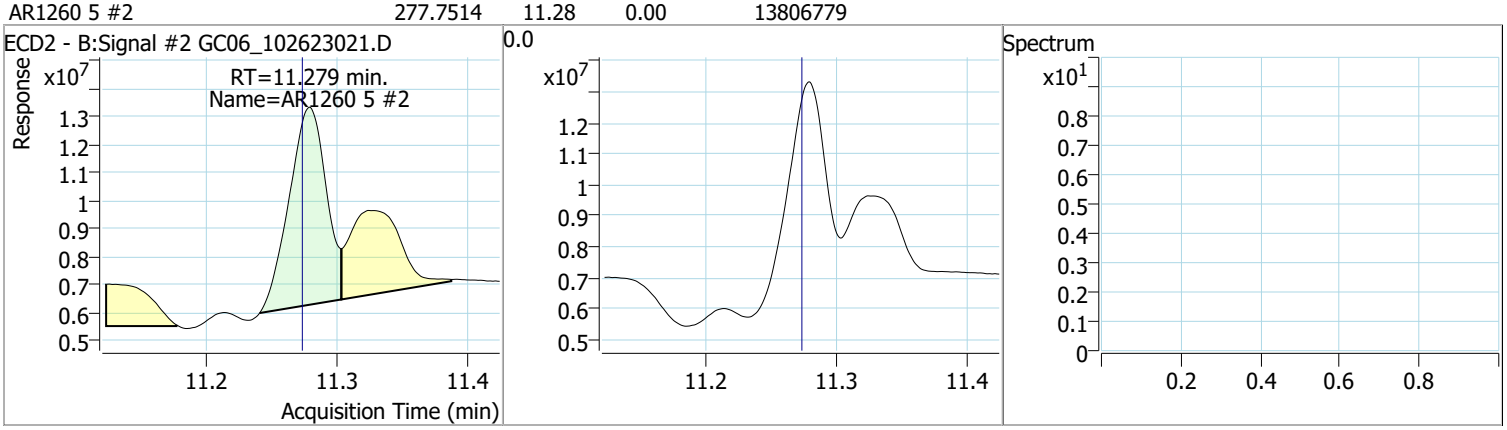
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	513.2810	10.44	0.00	6224071				



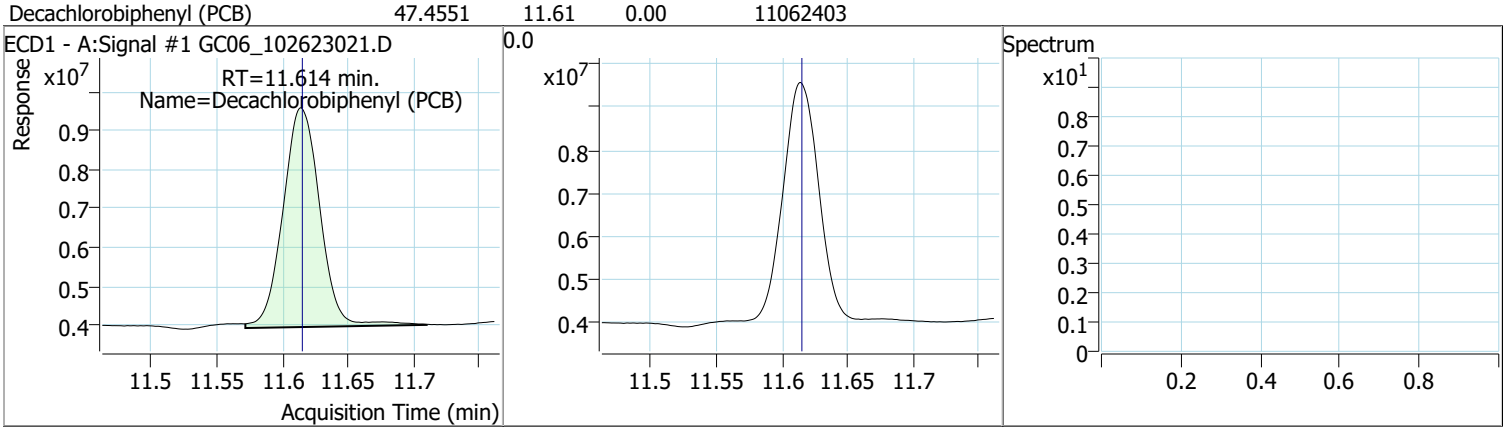
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	408.8113	10.64	0.00	13711650 (m)				



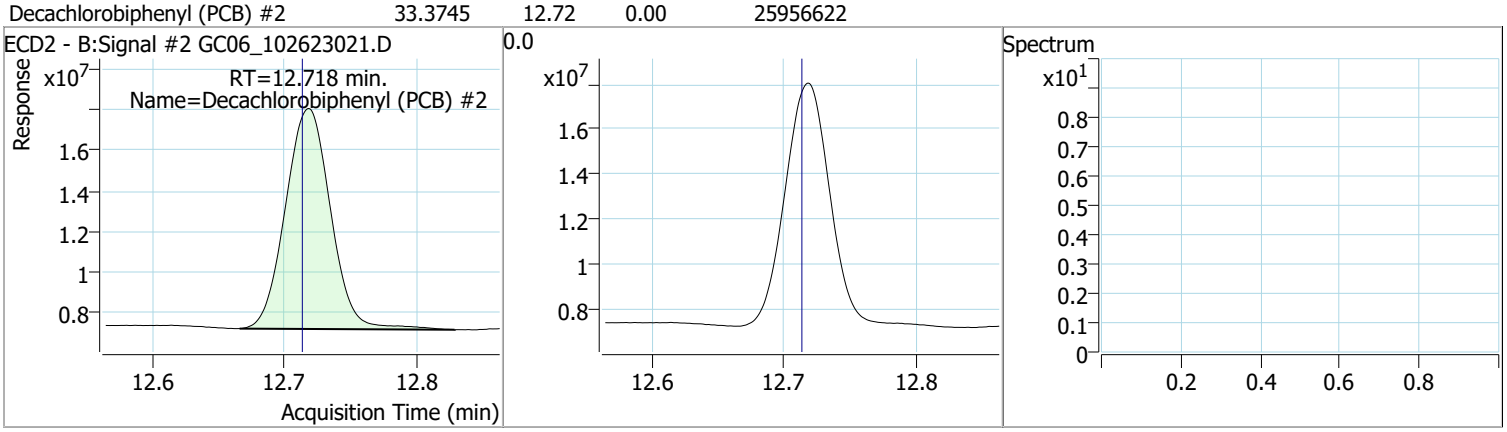
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	277.7514	11.28	0.00	13806779				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.4551	11.61	0.00	11062403				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.3745	12.72	0.00	25956622				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 494459 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_101623018	453416704018		16-OCT-2023 14:23	S18455
L2	gc06_101623019	453416704019		16-OCT-2023 14:42	S18456
L3	gc06_101623020	453416704020		16-OCT-2023 15:01	S18457
L4	gc06_101623021	453416704021		16-OCT-2023 15:21	S18458
L5	gc06_101623022	453416704022		16-OCT-2023 15:41	S18459
L6	gc06_101623023	453416704023		16-OCT-2023 16:01	S18460
L7	gc06_101623024	453416704024		16-OCT-2023 16:20	S18461
L8	gc06_101623025	453416704025		16-OCT-2023 16:39	S18462
L9	gc06_101623026	453416704026		16-OCT-2023 16:58	S18463

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		46.0673		0.0217	17	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		22.9521		0.0436	20	8	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.9656		0.0527	17	8	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.6567		0.0349	19	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		31.8452		0.0314	20	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.5374		0.0605	13	6	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.6130		0.0942	17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.1070		0.0989	18	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.2272		0.0520	12	8	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0678		0.0664	15	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.78380		1.2758	11	8	.99	20	
TCMX (PCB)	A	AVRG		1.00493		0.9951	18	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		54.0714		0.0185	14	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.9097		0.0386	14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.4712		0.0514	16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.9845		0.0345	18	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		35.0838		0.0285	13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		18.8855		0.0530	16	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		15.6531		0.0639	17	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		12.2793		0.0814	12	6	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.1977		0.0495	11	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.6280		0.0734	8	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.87103		1.1481	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.06367		0.9401	12	9	.99	20	

ENTHALPY INITIAL CALIBRATION FOR 494459 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

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

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	0.0286	0.0258	0.0232	0.0226	0.0210	0.0201	0.0190	0.0177	0.0174
Aroclor-1016 Peak # 2	A	0.0596	0.0507	0.0472	0.0431	0.0397	0.0374	0.0365	0.0343	
Aroclor-1016 Peak # 3	A		0.0706	0.0593	0.0559	0.0516	0.0459	0.0470	0.0461	0.0455
Aroclor-1016 Peak # 4	A	0.0475	0.0409	0.0382	0.0348	0.0321	0.0352	0.0297	0.0280	0.0277
Aroclor-1016 Peak # 5	A	0.0435	0.0376	0.0351	0.0319	0.0295	0.0256	0.0275	0.0261	0.0258
Aroclor-1260 Peak # 1	A		0.0718	0.0662	0.0628	0.0566	0.0518	0.0536		
Aroclor-1260 Peak # 2	A	0.1225	0.1096	0.1017	0.0938	0.0857	0.0802	0.0818	0.0785	
Aroclor-1260 Peak # 3	A	0.1354	0.1126	0.1053	0.0967	0.0883	0.0845	0.0854	0.0833	
Aroclor-1260 Peak # 4	A		0.0627	0.0596	0.0552	0.0501	0.0458	0.0483	0.0471	0.0472
Aroclor-1260 Peak # 5	A	0.0870	0.0754	0.0745	0.0647	0.0583	0.0599	0.0577	0.0592	0.0605
Decachlorobiphenyl (PCB)	A		1.5108	1.2989	1.4029	1.3562	1.2173	1.1371	1.1496	1.1338
TCMX (PCB)	A	1.3501	1.1088	1.0150	1.1486	0.8786	0.8887	0.8727	0.8364	0.8569
Aroclor-1016 Peak # 1	B	0.0240	0.0205	0.0190	0.0186	0.0177	0.0178	0.0169	0.0158	0.0161
Aroclor-1016 Peak # 2	B	0.0502	0.0431	0.0405	0.0394	0.0371	0.0347	0.0352	0.0334	0.0337
Aroclor-1016 Peak # 3	B	0.0710	0.0577	0.0530	0.0498	0.0473	0.0454	0.0465	0.0449	0.0467
Aroclor-1016 Peak # 4	B	0.0467	0.0394	0.0364	0.0357	0.0336	0.0240	0.0324	0.0310	0.0313
Aroclor-1016 Peak # 5	B	0.0369	0.0317	0.0298	0.0284	0.0270	0.0254	0.0264	0.0253	0.0256
Aroclor-1260 Peak # 1	B	0.0719	0.0586	0.0552	0.0526	0.0494	0.0465	0.0478	0.0467	0.0478
Aroclor-1260 Peak # 2	B	0.0886	0.0713	0.0665	0.0631	0.0587	0.0552	0.0571	0.0565	0.0579
Aroclor-1260 Peak # 3	B	0.0997	0.0847	0.0802	0.0783	0.0751	0.0706			
Aroclor-1260 Peak # 4	B	0.0625	0.0504	0.0492	0.0495	0.0467	0.0432	0.0468	0.0476	0.0496
Aroclor-1260 Peak # 5	B	0.0879	0.0744	0.0743	0.0727	0.0690	0.0658	0.0707	0.0714	0.0742
Decachlorobiphenyl (PCB)	B	1.5611	1.1854	1.0694	1.1996	1.1911	1.0469	0.9946	1.0403	1.0441
TCMX (PCB)	B	1.1483	0.9750	0.9083	1.1058	0.8540	0.8950	0.8686	0.8341	0.8722

ENTHALPY INITIAL CALIBRATION FOR 494459 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
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	32	50.000	19	100.00	7	250.00	4	500.00	-3	749.91	-8	1000.0	-13	1500.0	-19
Aroclor-1016 Peak # 2	A	20.000	37	50.000	16	100.00	8	250.00	-1	500.00	-9	749.91	-14	1000.0	-16	1500.0	**-21**
Aroclor-1016 Peak # 3	A			50.000	34	100.00	12	250.00	6	500.00	-2	749.91	-13	1000.0	-11	1500.0	-13
Aroclor-1016 Peak # 4	A	20.000	36	50.000	17	100.00	9	250.00	0	500.00	-8	749.91	1	1000.0	-15	1500.0	-20
Aroclor-1016 Peak # 5	A	20.000	39	50.000	20	100.00	12	250.00	2	500.00	-6	749.91	-19	1000.0	-12	1500.0	-17
Aroclor-1260 Peak # 1	A			50.000	19	100.00	10	250.00	4	500.00	-6	749.91	-14	1000.0	-11		
Aroclor-1260 Peak # 2	A	20.000	30	50.000	16	100.00	8	250.00	0	500.00	-9	749.91	-15	1000.0	-13	1500.0	-17
Aroclor-1260 Peak # 3	A	20.000	37	50.000	14	100.00	6	250.00	-2	500.00	-11	749.91	-15	1000.0	-14	1500.0	-16
Aroclor-1260 Peak # 4	A			50.000	21	100.00	15	250.00	6	500.00	-4	749.91	-12	1000.0	-7	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	31	50.000	14	100.00	12	250.00	-2	500.00	-12	749.91	-10	1000.0	-13	1500.0	-11
Decachlorobiphenyl (PCB)	A			4.0000	18	8.0000	2	20.000	10	40.000	6	59.993	-5	80.000	-11	120.00	-10
TCMX (PCB)	A	1.6000	36	4.0000	11	8.0000	2	20.000	15	40.000	-12	59.993	-11	80.000	-12	120.00	-16
Aroclor-1016 Peak # 1	B	20.000	30	50.000	11	100.00	3	250.00	1	500.00	-4	749.91	-4	1000.0	-9	1500.0	-15
Aroclor-1016 Peak # 2	B	20.000	30	50.000	12	100.00	5	250.00	2	500.00	-4	749.91	-10	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 3	B	20.000	38	50.000	12	100.00	3	250.00	-3	500.00	-8	749.91	-12	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 4	B	20.000	35	50.000	14	100.00	5	250.00	4	500.00	-3	749.91	**-30**	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 5	B	20.000	29	50.000	11	100.00	5	250.00	0	500.00	-5	749.91	-11	1000.0	-8	1500.0	-11
Aroclor-1260 Peak # 1	B	20.000	36	50.000	11	100.00	4	250.00	-1	500.00	-7	749.91	-12	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 2	B	20.000	39	50.000	12	100.00	4	250.00	-1	500.00	-8	749.91	-14	1000.0	-11	1500.0	-12
Aroclor-1260 Peak # 3	B	20.000	22	50.000	4	100.00	-1	250.00	-4	500.00	-8	749.91	-13				
Aroclor-1260 Peak # 4	B	20.000	26	50.000	2	100.00	-1	250.00	0	500.00	-6	749.91	-13	1000.0	-6	1500.0	-4
Aroclor-1260 Peak # 5	B	20.000	20	50.000	1	100.00	1	250.00	-1	500.00	-6	749.91	-10	1000.0	-4	1500.0	-3
Decachlorobiphenyl (PCB)	B	1.6000	36	4.0000	3	8.0000	-7	20.000	4	40.000	4	59.993	-9	80.000	-13	120.00	-9
TCMX (PCB)	B	1.6000	22	4.0000	4	8.0000	-3	20.000	18	40.000	-9	59.993	-5	80.000	-8	120.00	-11

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-20
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	-18
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A	2000.0	-9
Aroclor-1260 Peak # 5	A	2000.0	-9
Decachlorobiphenyl (PCB)	A	160.00	-11
TCMX (PCB)	A	160.00	-14
Aroclor-1016 Peak # 1	B	2000.0	-13
Aroclor-1016 Peak # 2	B	2000.0	-13
Aroclor-1016 Peak # 3	B	2000.0	-9
Aroclor-1016 Peak # 4	B	2000.0	-9
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B	2000.0	0
Aroclor-1260 Peak # 5	B	2000.0	1
Decachlorobiphenyl (PCB)	B	160.00	-9
TCMX (PCB)	B	160.00	-7

TRN 10/16/23 : Manually integrated for coeluting peak, negative/tailing peak, automatic draw baseline for one/both columns on multiple levels

Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 494459 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_101623_1
Calnum:	453416704002	Cal Date:	16-OCT-2023

- ICV 453416704028 (gc06_101623028 16-OCT-2023) stds: S18851

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	528.6	ug/L	6	15	
Aroclor-1260	A	500.0	553.9	ug/L	11	15	
Aroclor-1016	B	500.0	546.6	ug/L	9	15	
Aroclor-1260	B	500.0	562.8	ug/L	13	15	

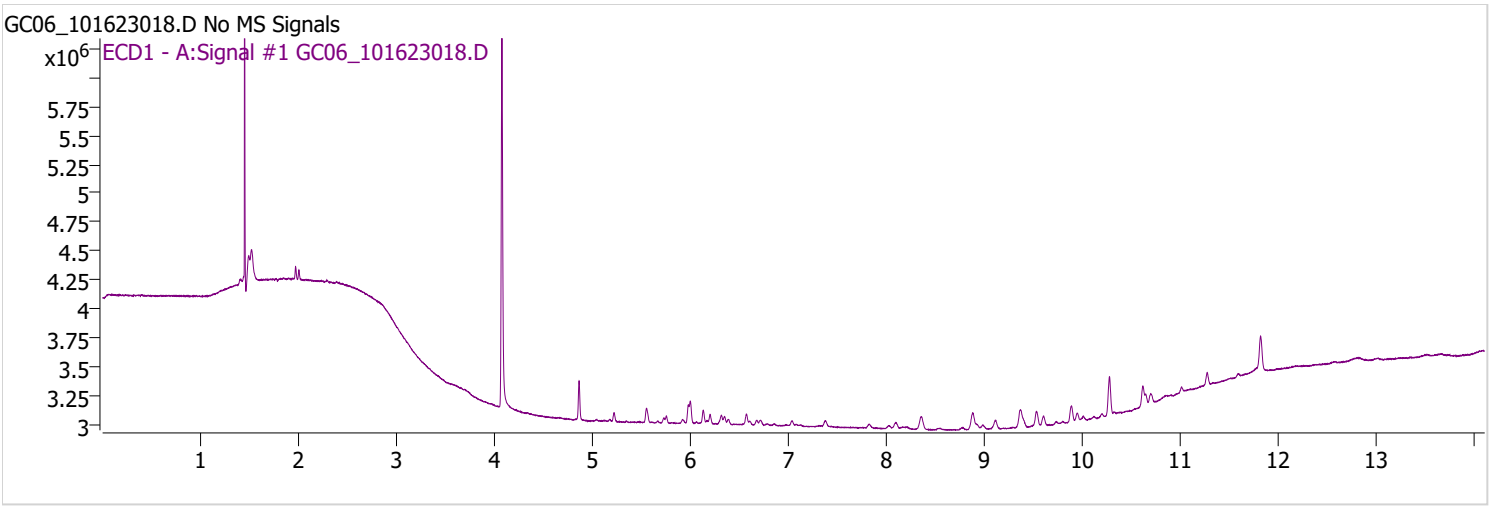
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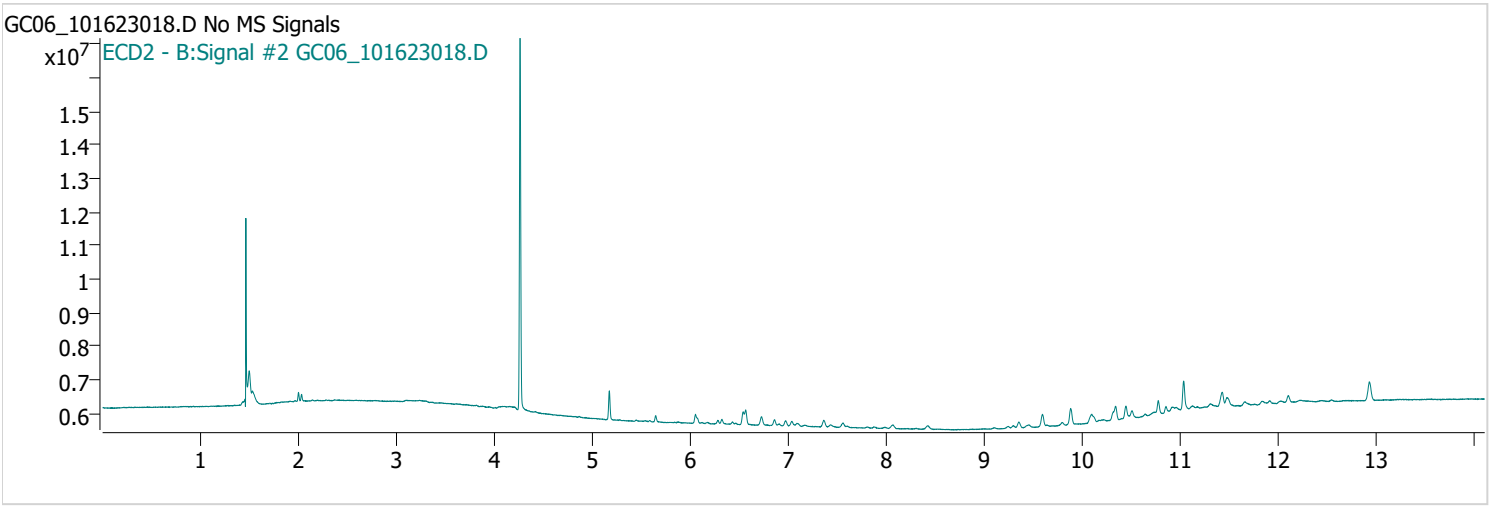
Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_101623018.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 2:23:07 PM
Sample Name	ICAL, S18455	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



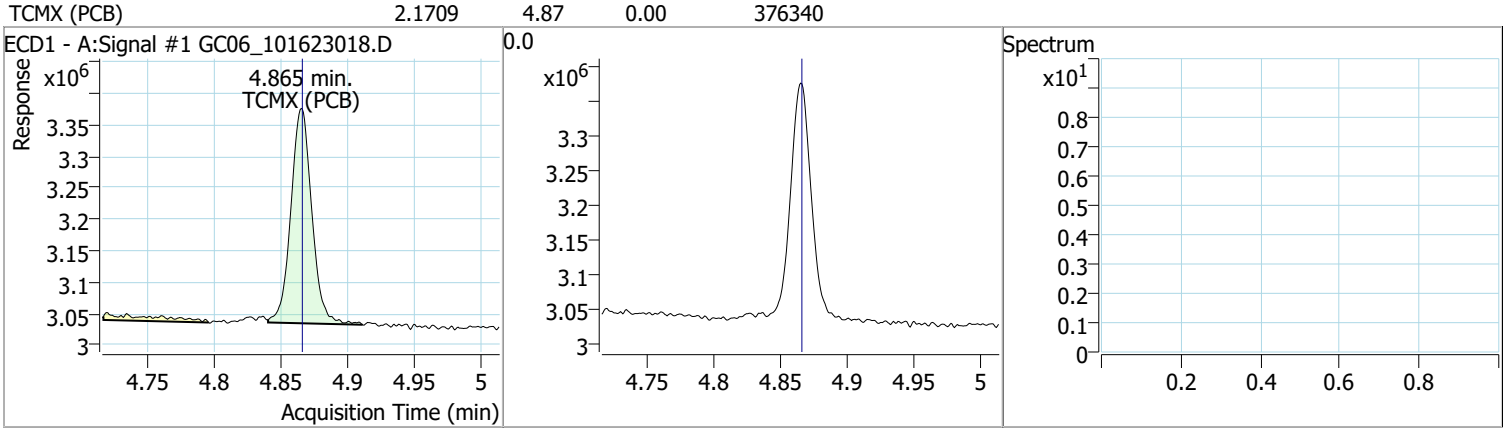


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3484313.563	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10117925.056	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.865	0.0	376339.950	2.1709	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.85%		*	
S TCMX (PCB) #2	5.173	0.0	929447.630	1.9542	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.77%		*	
S Decachlorobiphenyl (PCB)	11.823	0.0	626212.254	2.8174	ng/ml	m	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 14.09%		*	
S Decachlorobiphenyl (PCB) #2	12.933	0.0	1263611.001	2.1757	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.88%		*	
Target Compounds							**QValue**
T AR1016 1	5.221	0.0	99757.464	26.3789	ng/ml	m	100
T AR1016 2	5.554	0.0	207721.236	27.3667	ng/ml		100

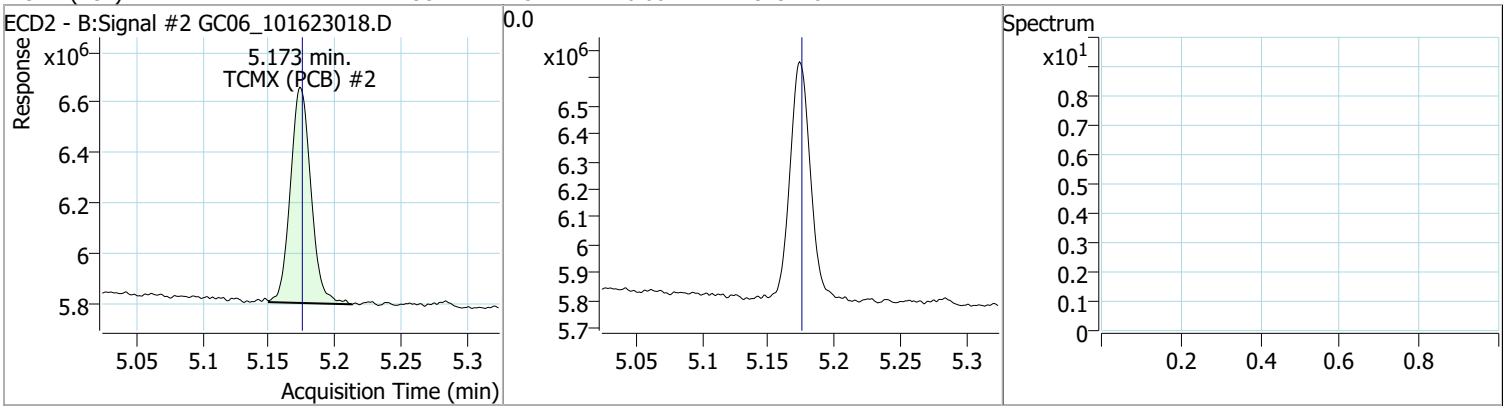
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	5.648	0.0	242853.636	25.9571	ng/ml		100
T AR1016 3	6.000	0.0	276736.403	28.5221	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	508120.900	26.0240	ng/ml		100
T AR1016 4	6.133	0.0	165514.379	27.2258	ng/ml		100
T AR1016 3 #2	6.566	0.0	718266.371	27.6453	ng/ml		100
T AR1016 5	6.573	0.0	151717.446	27.7330	ng/ml		100
T AR1016 4 #2	6.729	0.0	472545.195	27.0740	ng/ml	m	100
T AR1016 5 #2	7.363	0.0	373326.762	25.8905	ng/ml		100
T AR1260 1	8.359	0.0	277286.685	26.3219	ng/ml		100
T AR1260 2	8.888	0.0	426994.415	26.0123	ng/ml		100
T AR1260 3	9.371	0.0	471631.303	27.3616	ng/ml		100
T AR1260 1 #2	9.597	0.0	727500.082	27.1584	ng/ml		100
T AR1260 2 #2	9.884	0.0	896593.210	27.7421	ng/ml		100
T AR1260 4	9.893	0.0	268583.264	29.6424	ng/ml		100
T AR1260 3 #2	10.343	0.0	1008263.181	24.4733	ng/ml	m	100
T AR1260 5	10.622	0.0	303131.900	26.2181	ng/ml		100
T AR1260 4 #2	10.778	0.0	632542.173	25.2543	ng/ml		100
T AR1260 5 #2	11.433	0.0	889501.797	23.9620	ng/ml		100

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

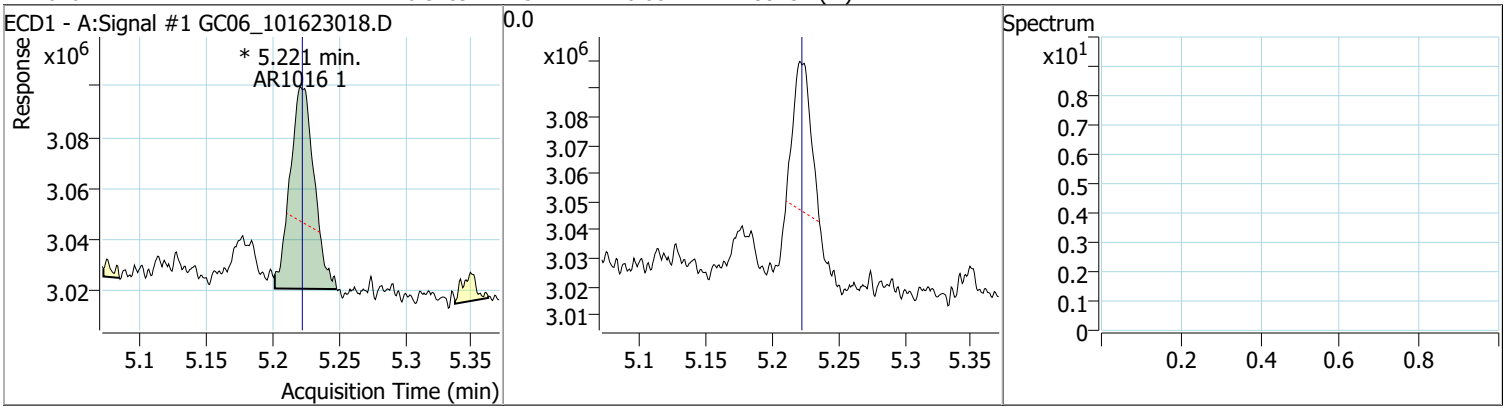
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.1709	4.87	0.00	376340				



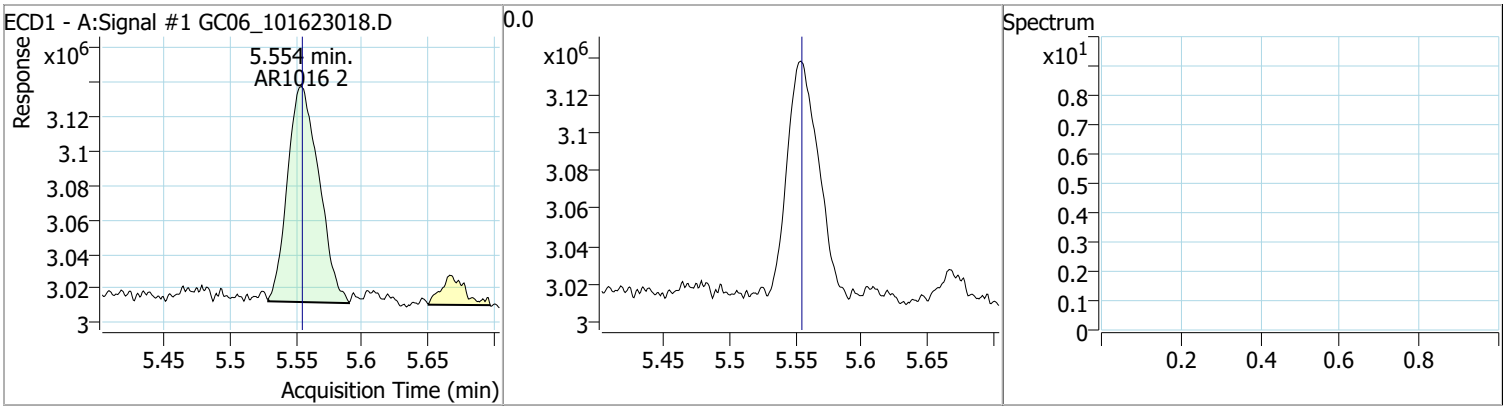
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9542	5.17	0.00	929448				



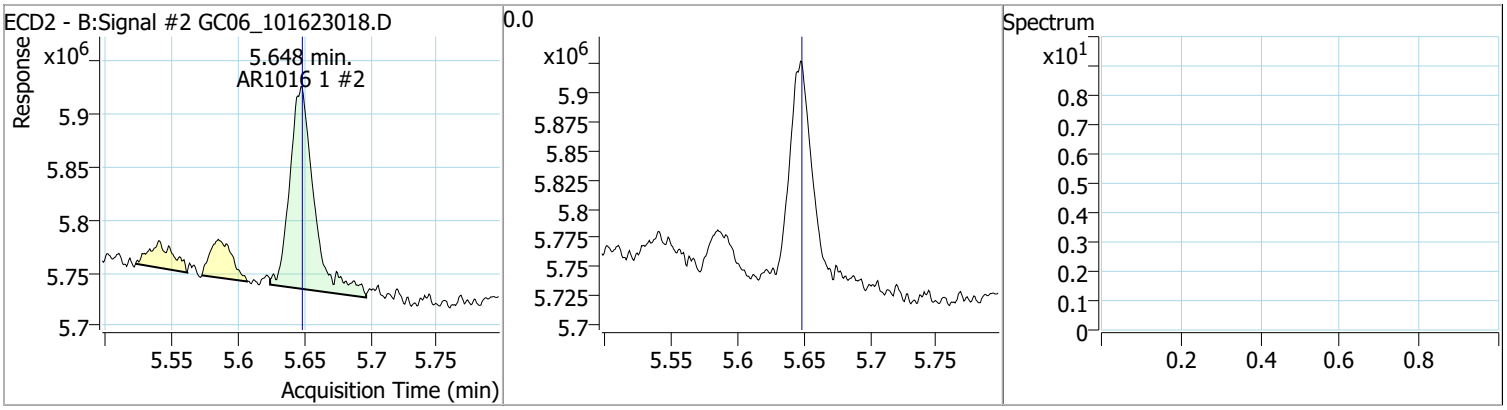
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	26.3789	5.22	0.00	99757 (m)				



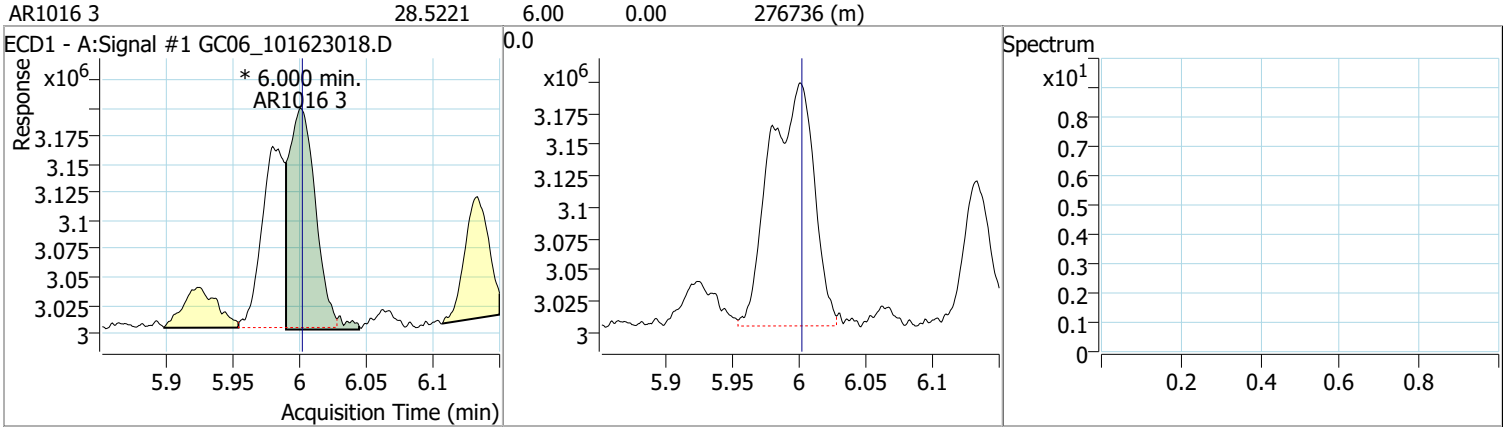
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	27.3667	5.55	0.00	207721				



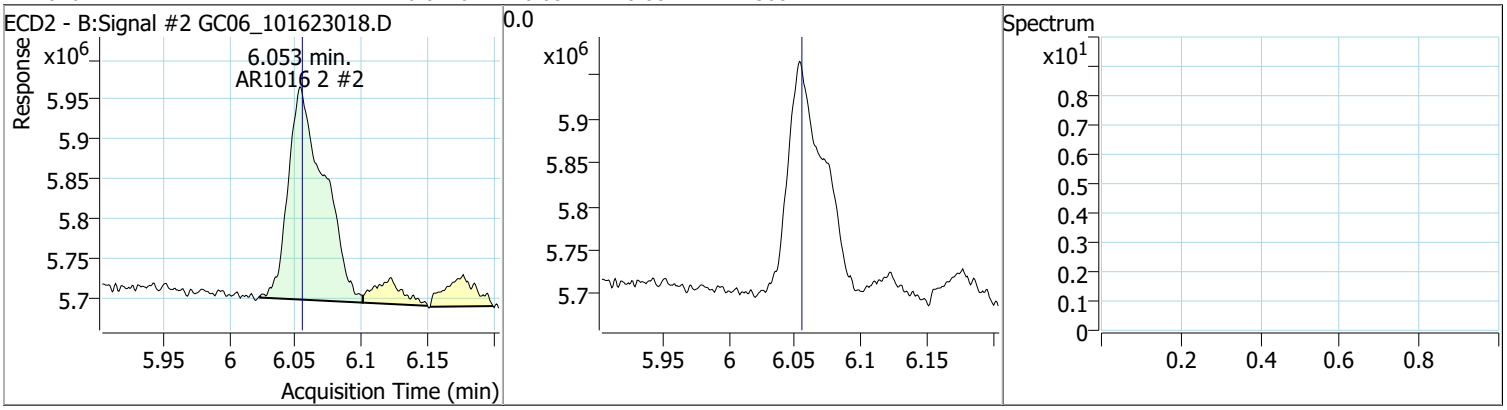
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	25.9571	5.65	0.00	242854				



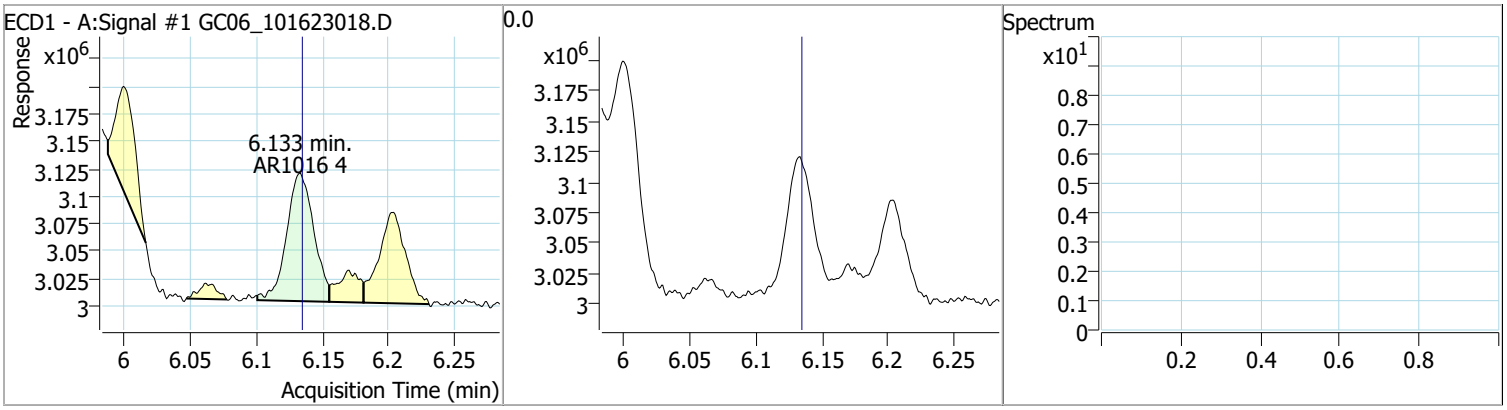
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	28.5221	6.00	0.00	276736 (m)				



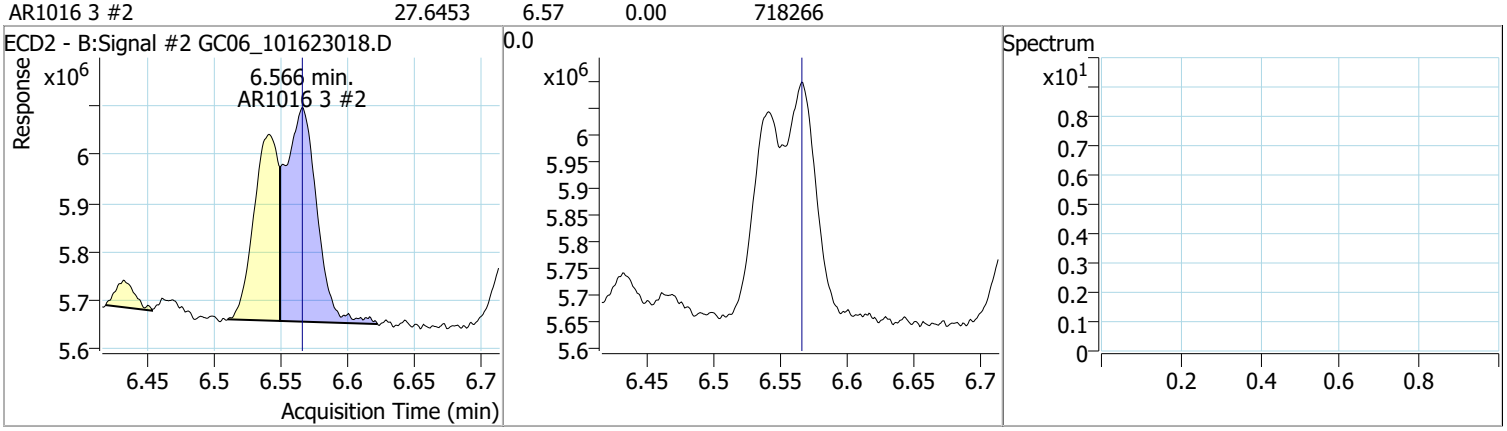
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	26.0240	6.05	0.00	508121				



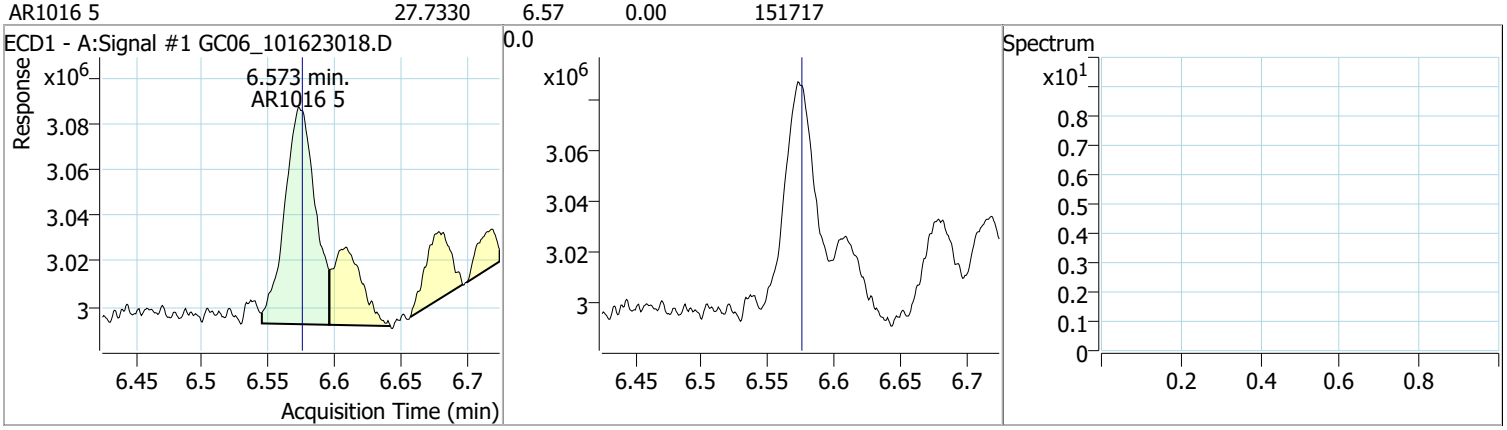
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	27.2258	6.13	0.00	165514				



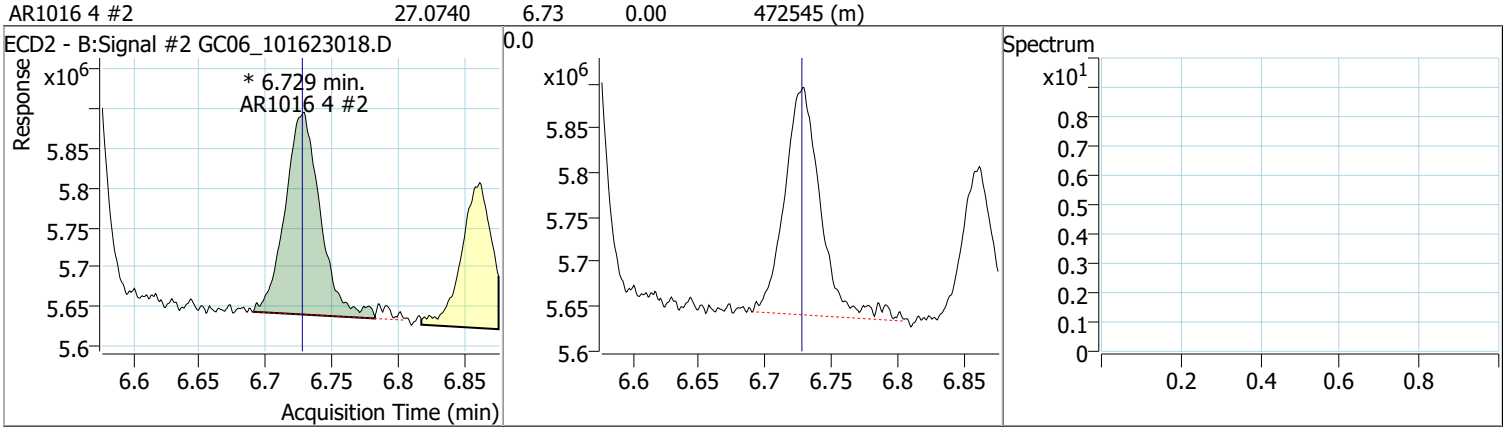
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	27.6453	6.57	0.00	718266				



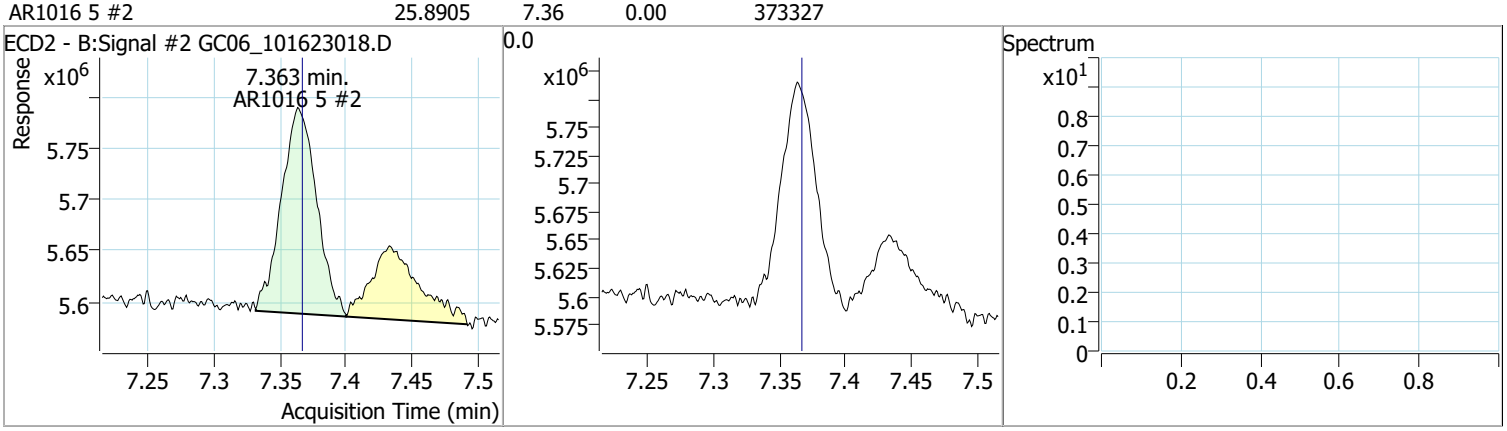
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	27.7330	6.57	0.00	151717				



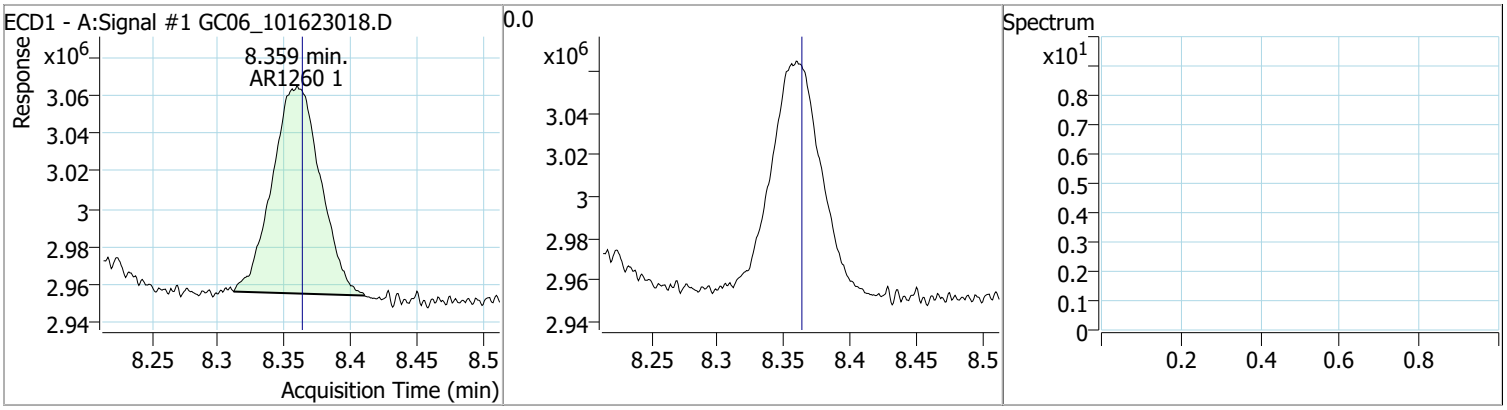
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	27.0740	6.73	0.00	472545 (m)				



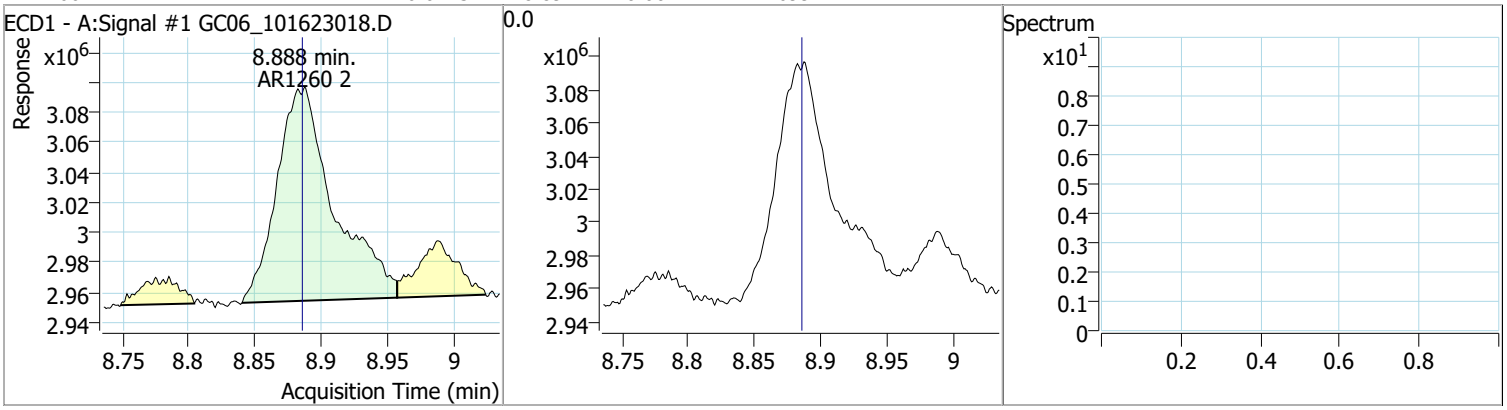
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	25.8905	7.36	0.00	373327				



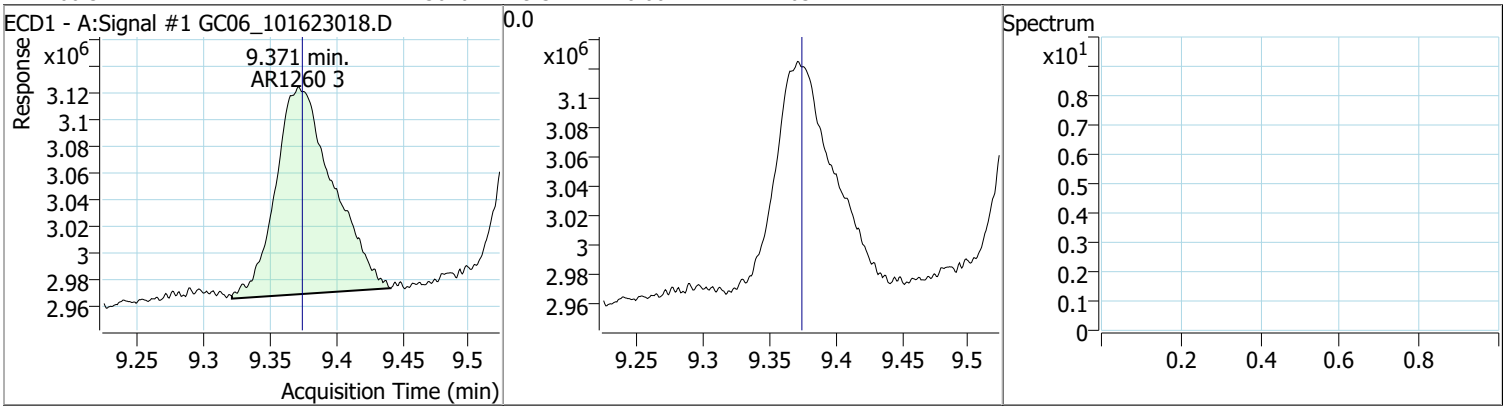
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	26.3219	8.36	0.00	277287				



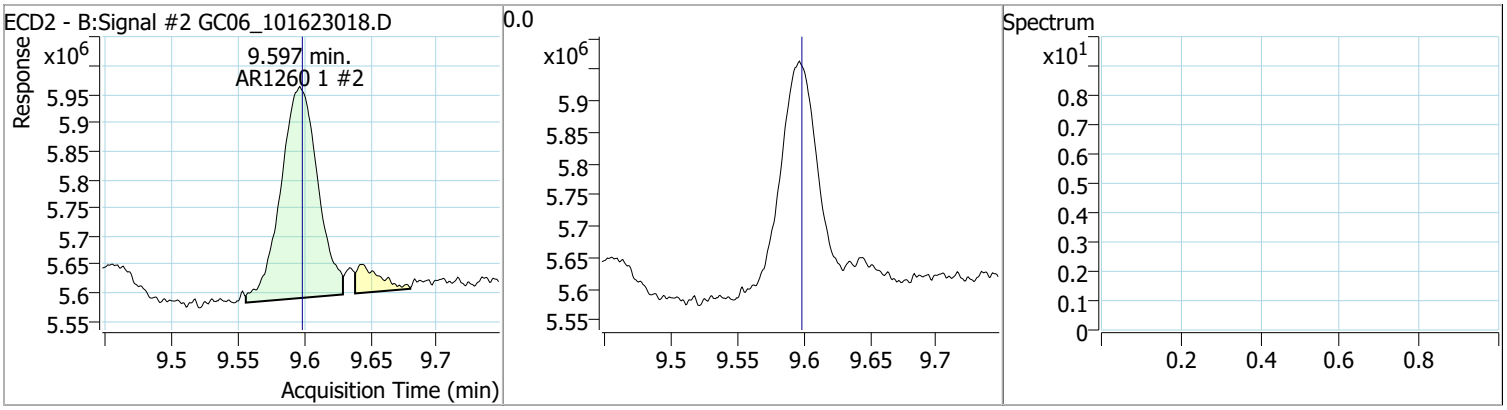
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	26.0123	8.89	0.00	426994				



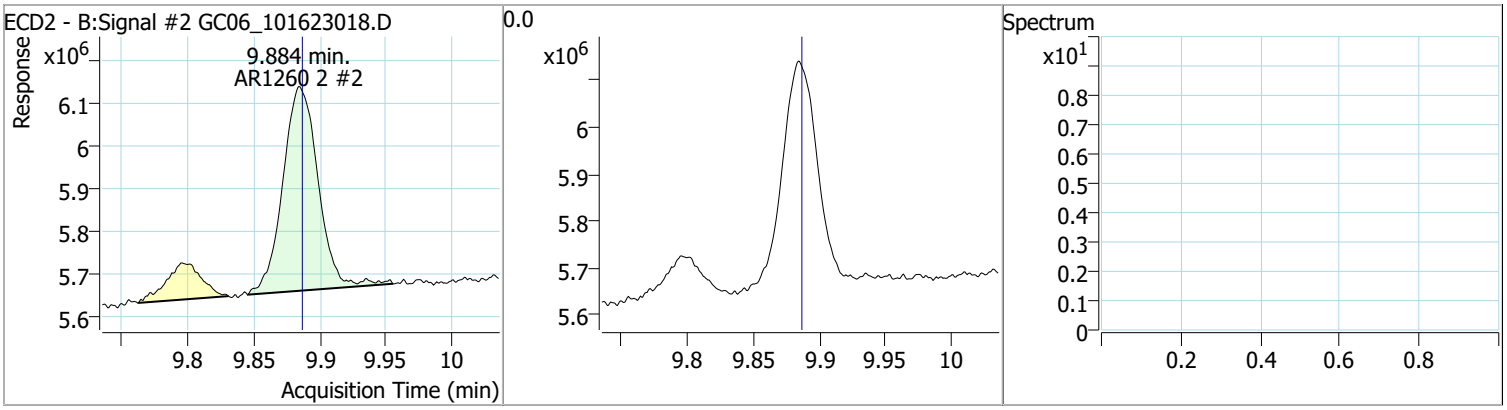
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	27.3616	9.37	0.00	471631				



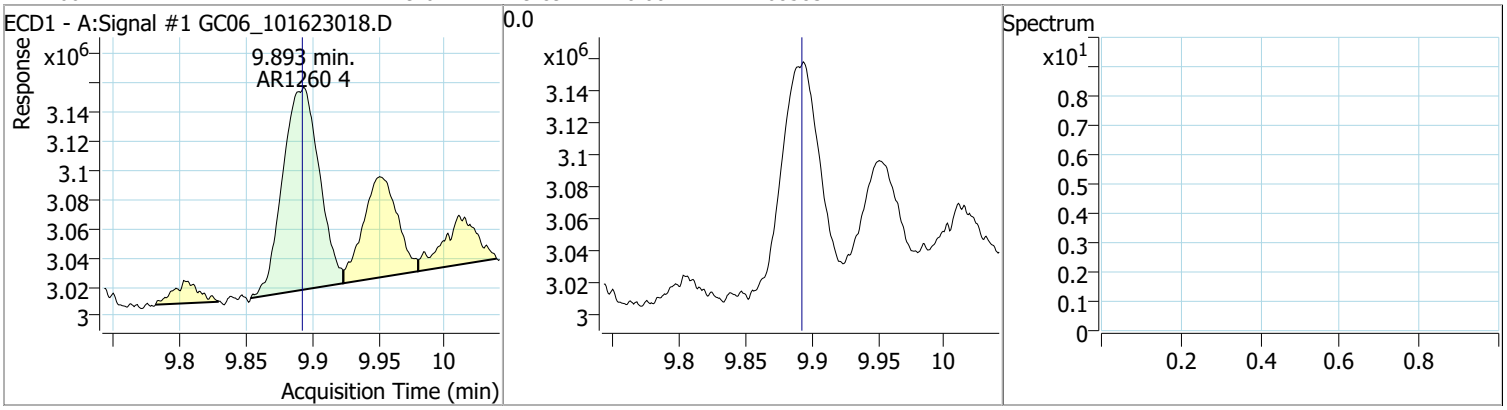
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	27.1584	9.60	0.00	727500				



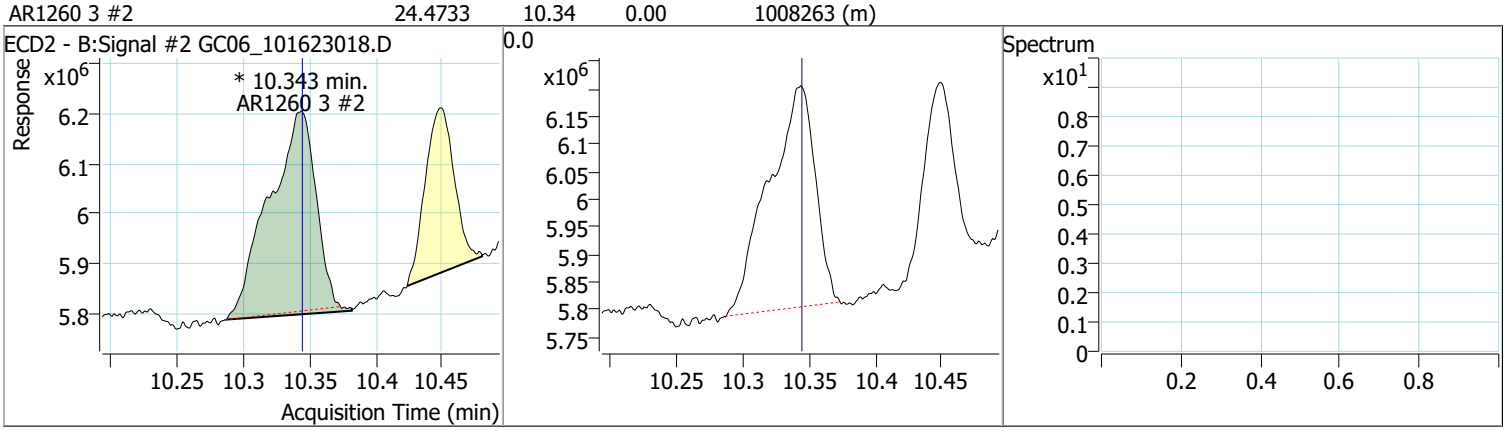
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AR1260 2 #2	27.7421	9.88	0.00	896593				



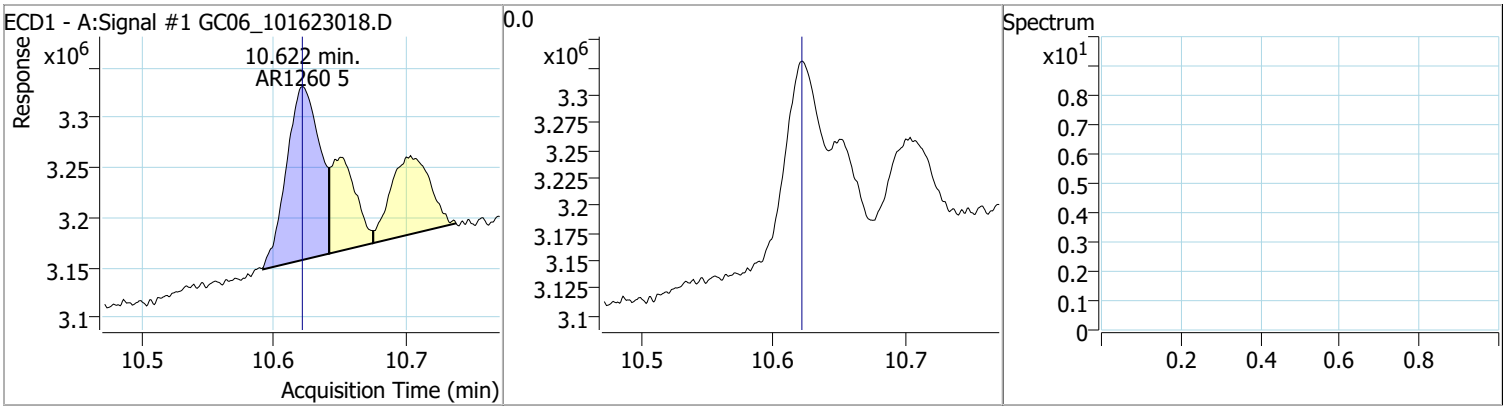
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	29.6424	9.89	0.00	268583				



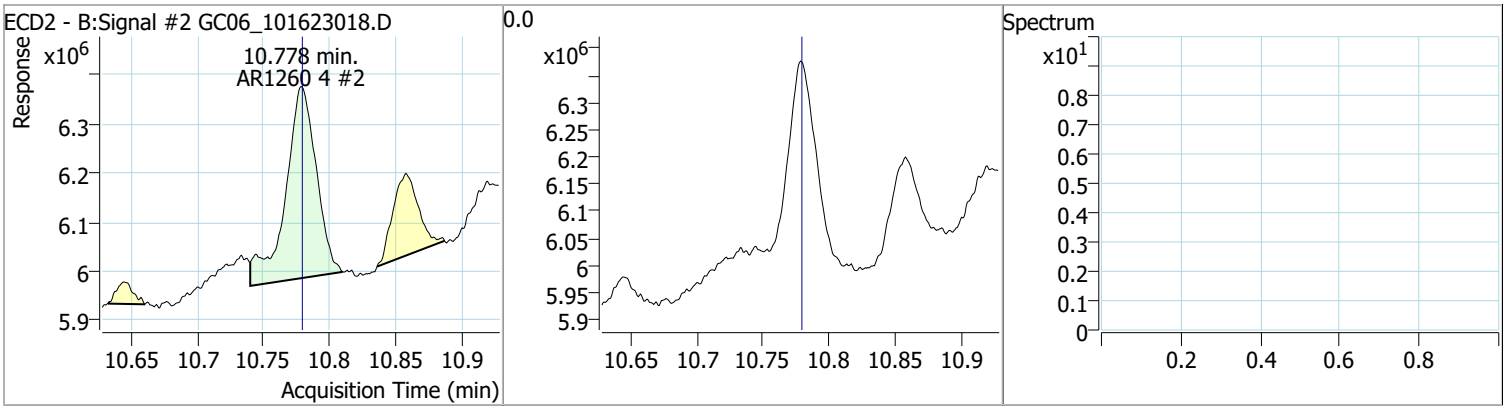
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	24.4733	10.34	0.00	1008263 (m)				



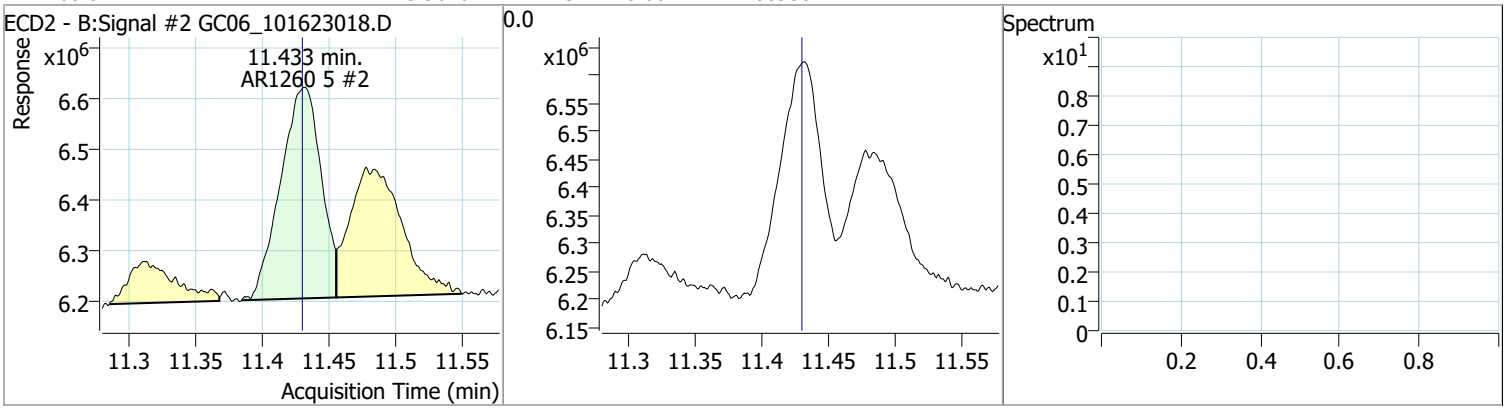
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	26.2181	10.62	0.00	303132				



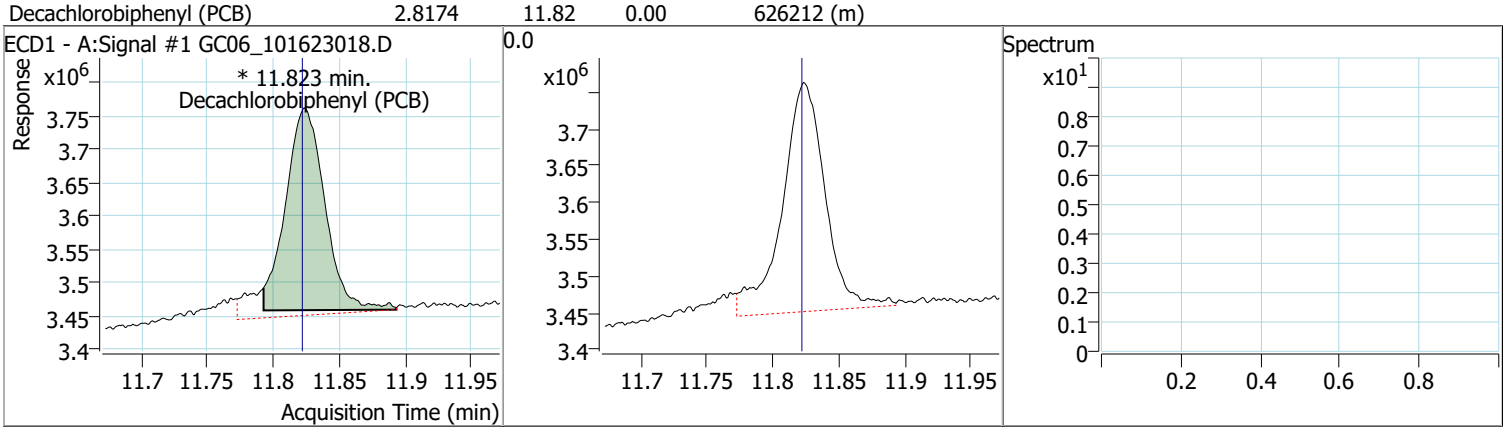
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	25.2543	10.78	0.00	632542				



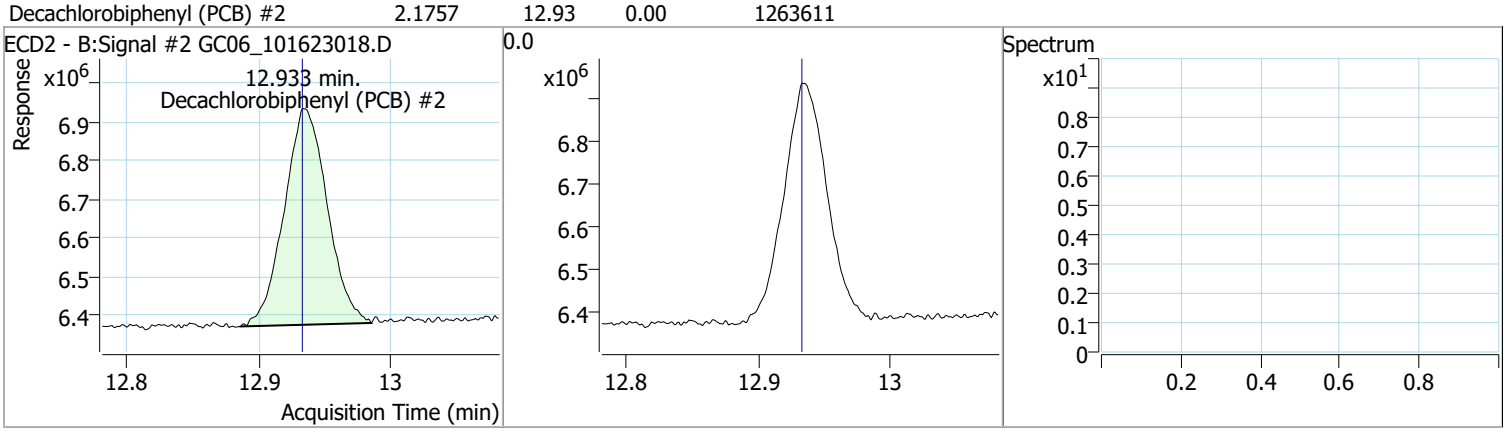
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.9620	11.43	0.00	889502				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.8174	11.82	0.00	626212 (m)				

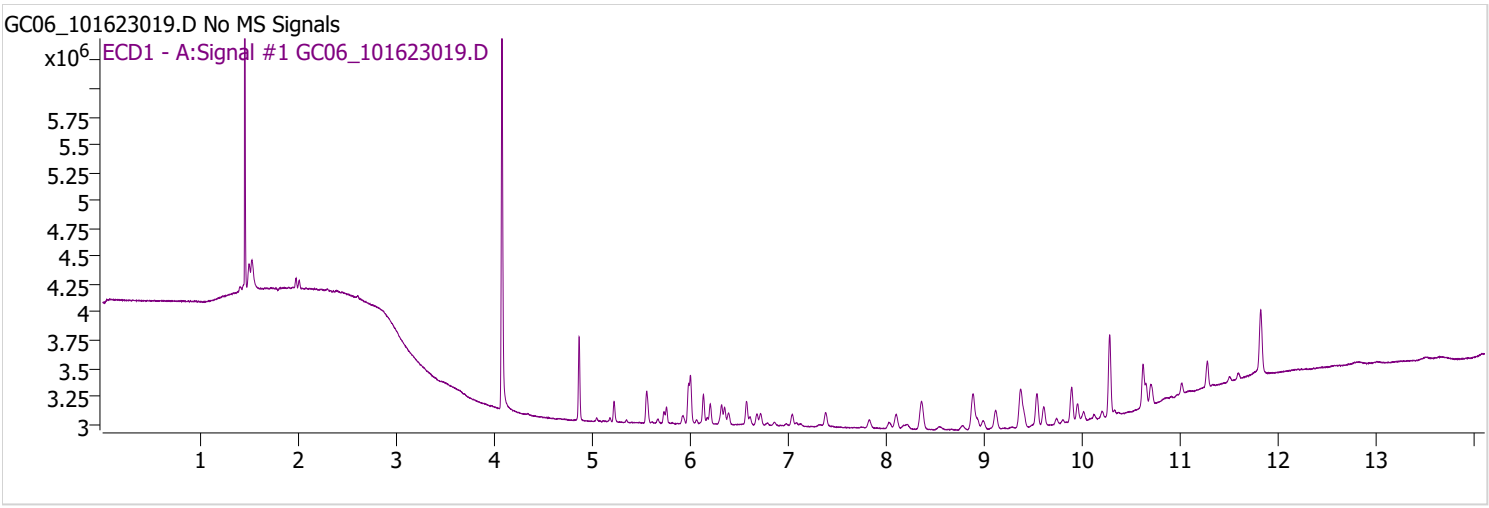


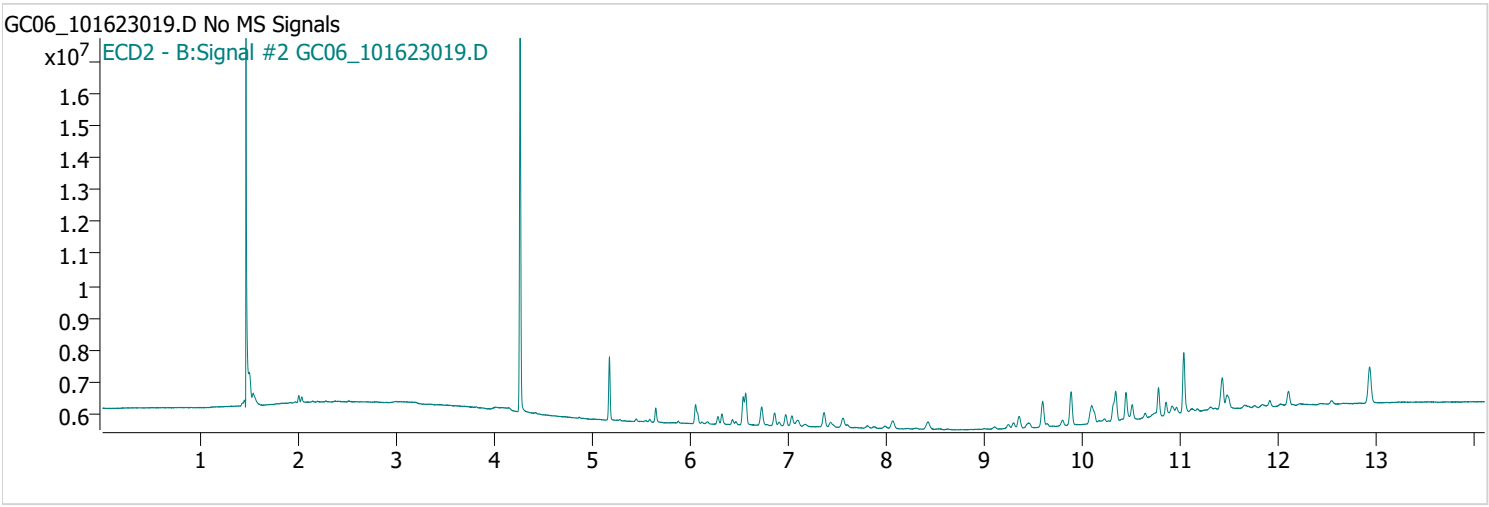
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.1757	12.93	0.00	1263611				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623019.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 2:42:30 PM
Sample Name	ICAL, S18456	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



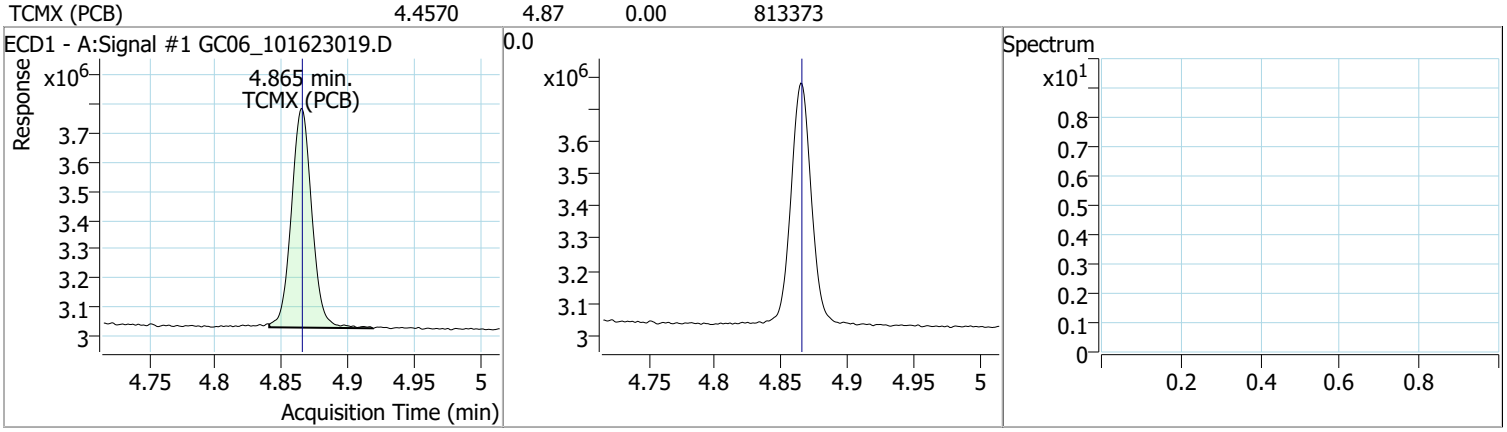


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3667875.445	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10693235.598	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.865	0.0	813372.618	4.4570	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.29%		*	
S TCMX (PCB) #2	5.174	0.0	2085121.453	4.1482	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.74%		*	
S Decachlorobiphenyl (PCB)	11.823	0.0	1108261.850	4.7366	ng/ml	m	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.68%		*	
S Decachlorobiphenyl (PCB) #2	12.935	0.0	2535121.367	4.1301	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.65%		*	
Target Compounds							QValue
T AR1016 1	5.222	0.0	236237.230	59.3420	ng/ml		100

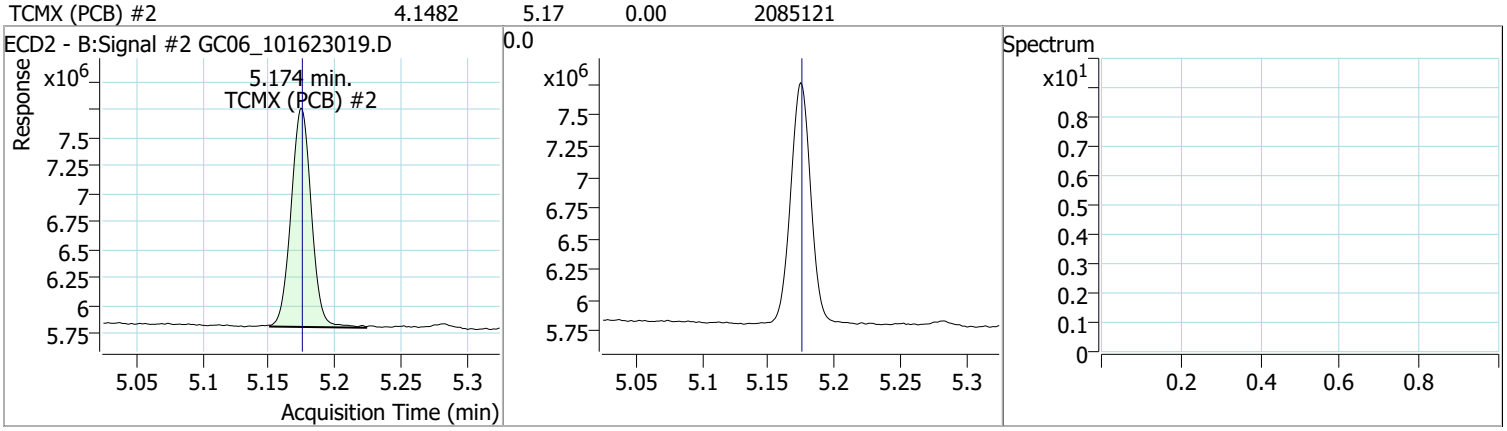
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.556	0.0	465093.527	58.2083	ng/ml		100
T AR1016 1 #2	5.648	0.0	547231.083	55.3433	ng/ml		100
T AR1016 3	6.002	0.0	647648.301	63.4098	ng/ml	m	100
T AR1016 2 #2	6.054	0.0	1151744.911	55.8143	ng/ml		100
T AR1016 4	6.134	0.0	374889.126	58.5801	ng/ml		100
T AR1016 3 #2	6.565	0.0	1542036.706	56.1582	ng/ml		100
T AR1016 5	6.574	0.0	344805.829	59.8741	ng/ml		100
T AR1016 4 #2	6.729	0.0	1051965.552	57.0285	ng/ml	m	100
T AR1016 5 #2	7.366	0.0	846766.924	55.5644	ng/ml		100
T AR1260 1	8.360	0.0	658177.869	59.3519	ng/ml		100
T AR1260 2	8.887	0.0	1005079.458	58.1647	ng/ml		100
T AR1260 3	9.373	0.0	1032552.188	56.9054	ng/ml		100
T AR1260 1 #2	9.598	0.0	1567691.953	55.3751	ng/ml		100
T AR1260 2 #2	9.888	0.0	1906704.350	55.8225	ng/ml		100
T AR1260 4	9.893	0.0	574864.515	60.2702	ng/ml		100
T AR1260 3 #2	10.342	0.0	2264443.228	52.0070	ng/ml	m	100
T AR1260 5	10.622	0.0	691839.247	56.8430	ng/ml		100
T AR1260 4 #2	10.779	0.0	1348044.779	50.9251	ng/ml		100
T AR1260 5 #2	11.431	0.0	1988857.584	50.6946	ng/ml		100

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

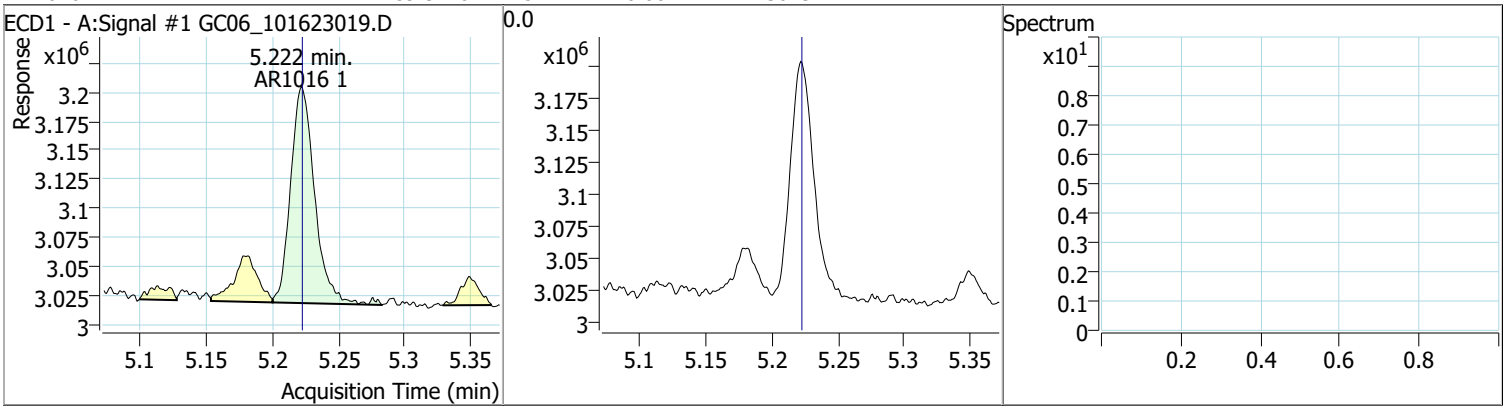
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.4570	4.87	0.00	813373				



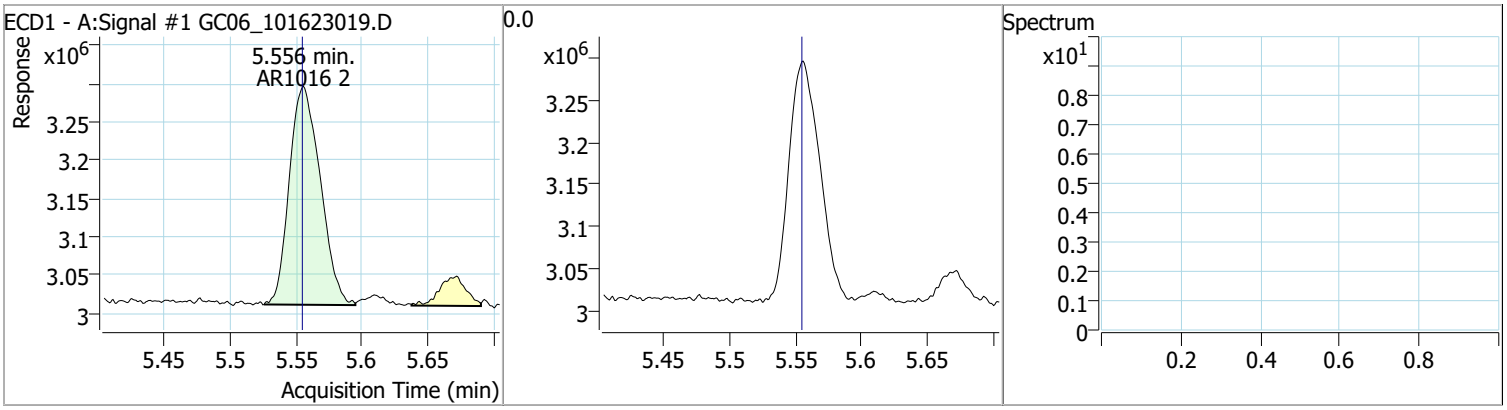
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1482	5.17	0.00	2085121				



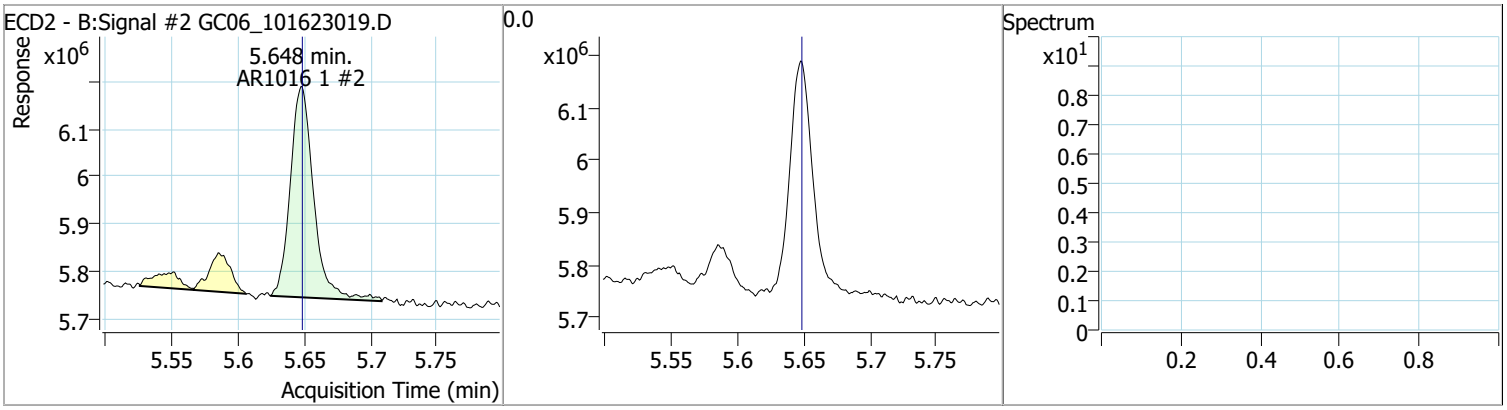
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	59.3420	5.22	0.00	236237				



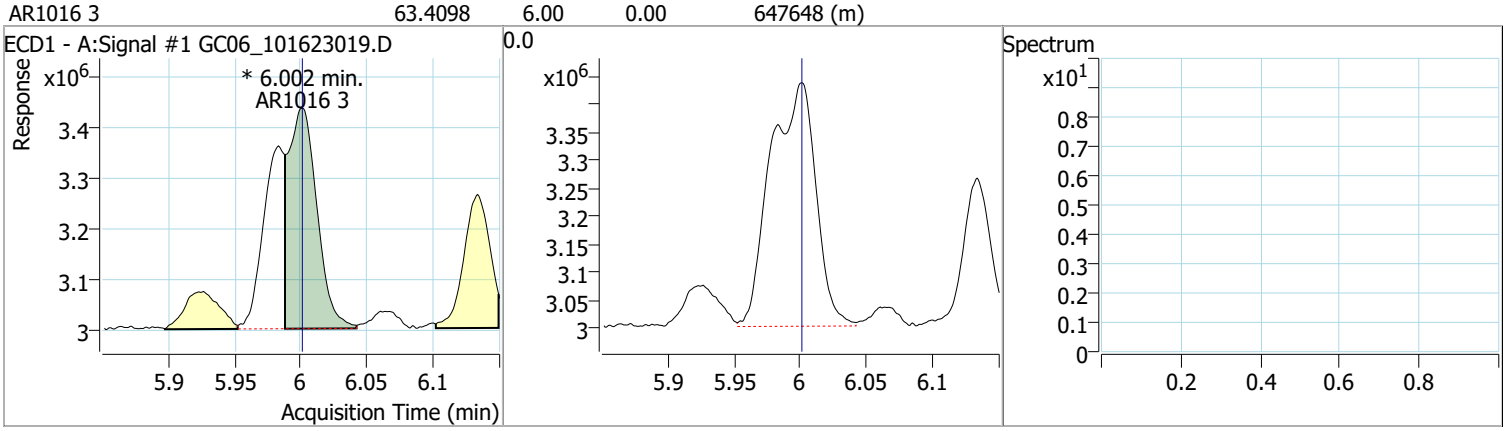
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	58.2083	5.56	0.00	465094				



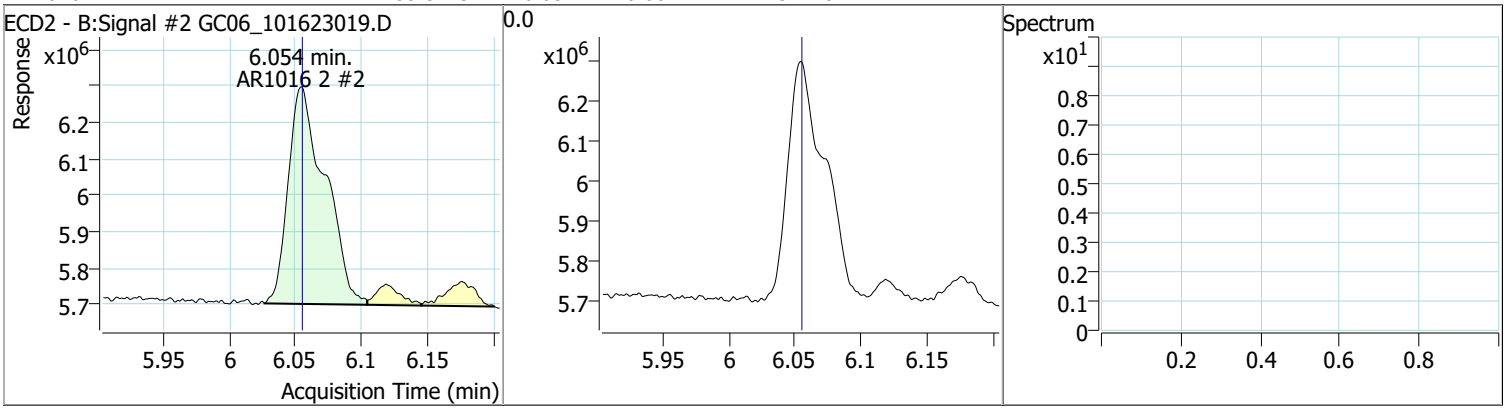
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AR1016 1 #2	55.3433	5.65	0.00	547231				



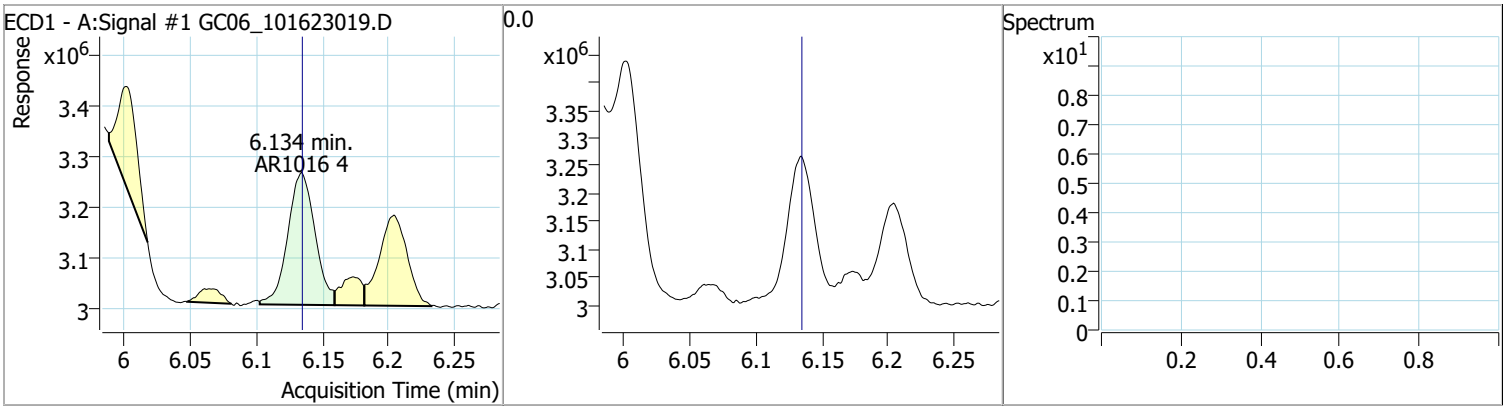
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	63.4098	6.00	0.00	647648 (m)				



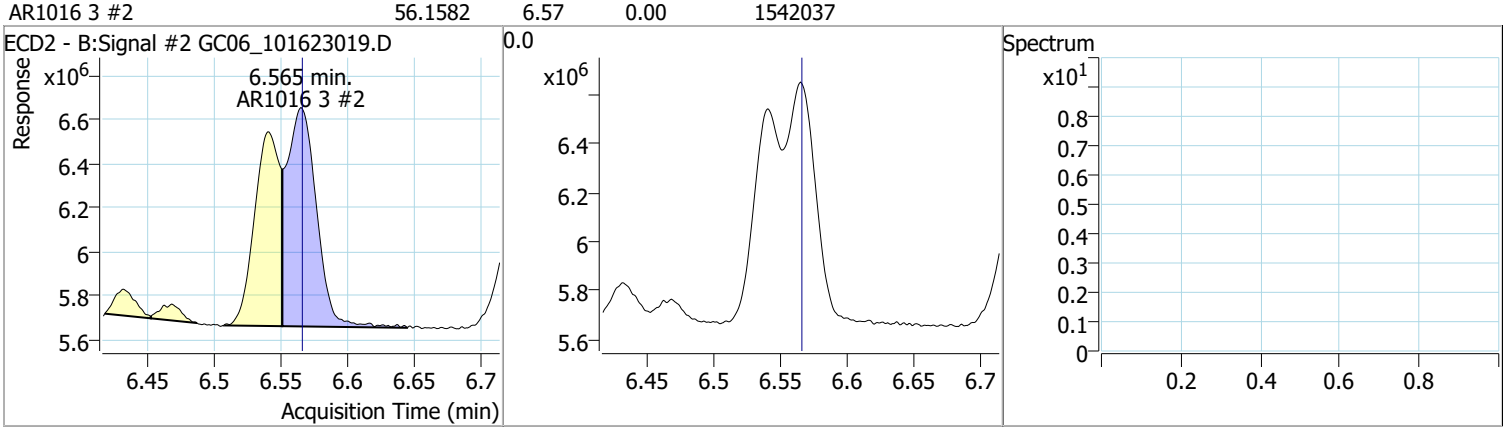
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	55.8143	6.05	0.00	1151745				



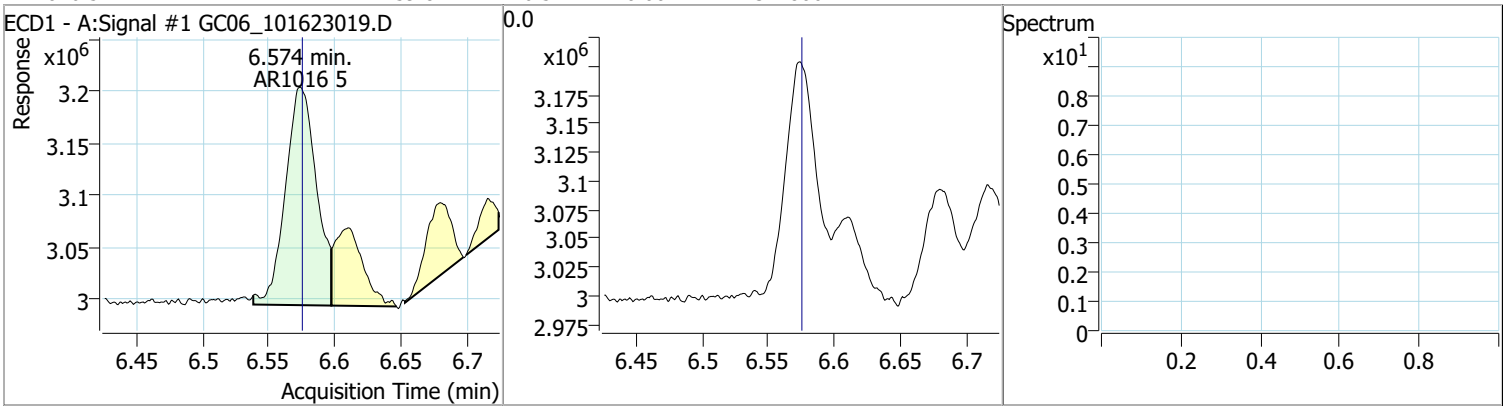
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	58.5801	6.13	0.00	374889				



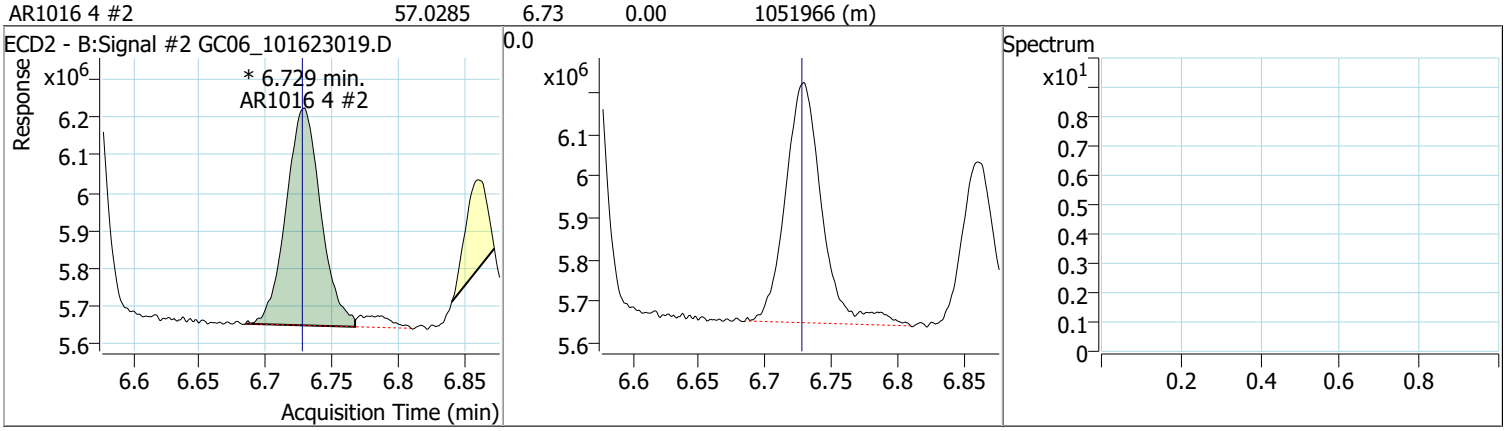
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	56.1582	6.57	0.00	1542037				



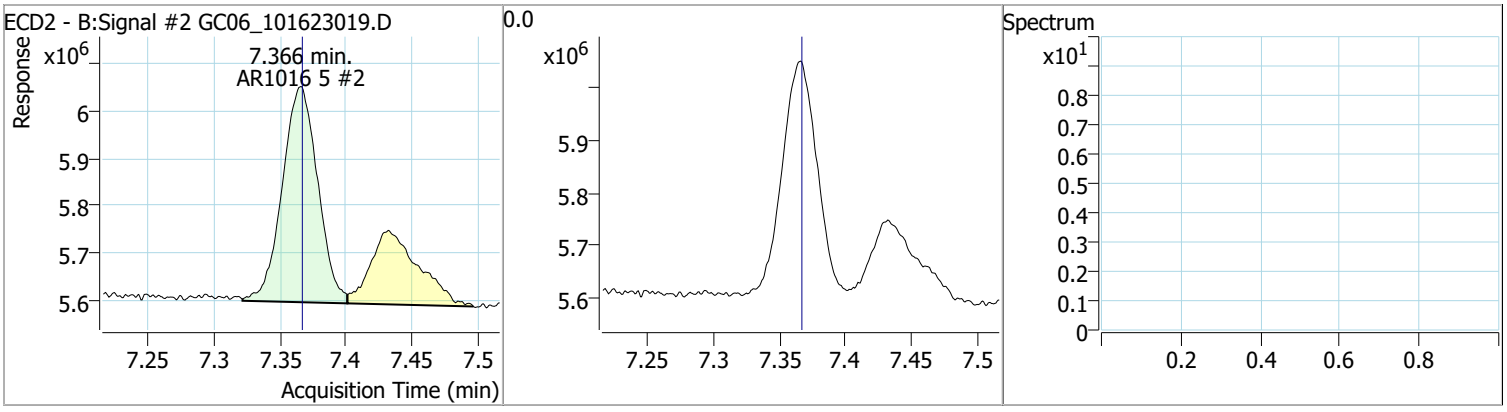
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	59.8741	6.57	0.00	344806				



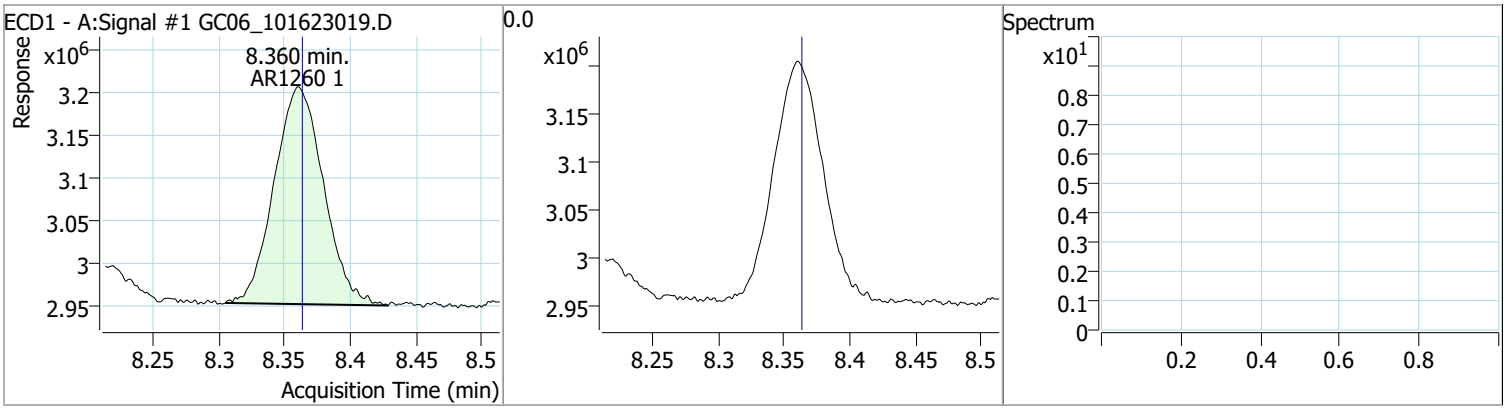
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	57.0285	6.73	0.00	1051966 (m)				



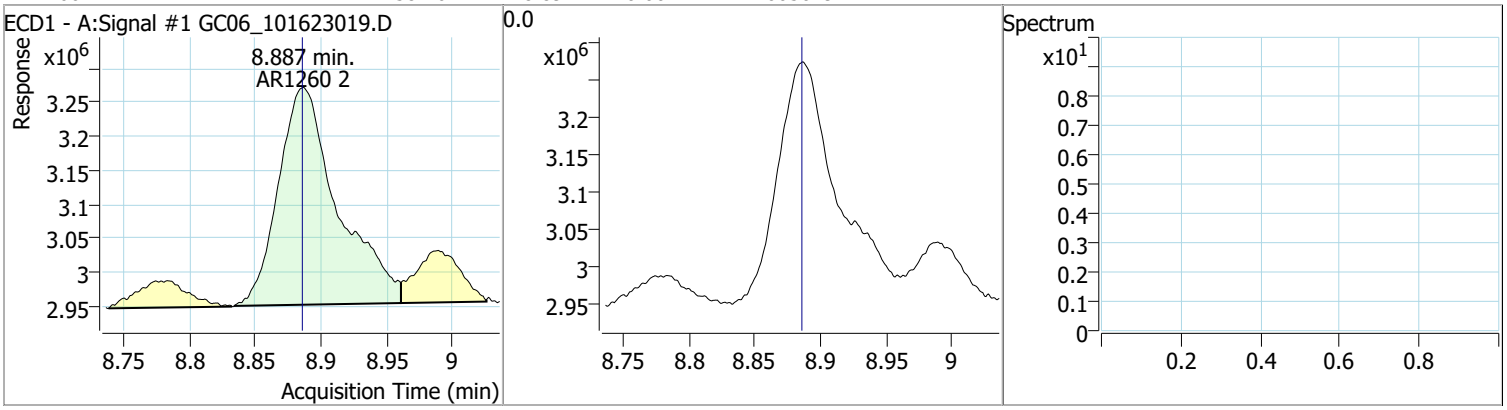
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	55.5644	7.37	0.00	846767				



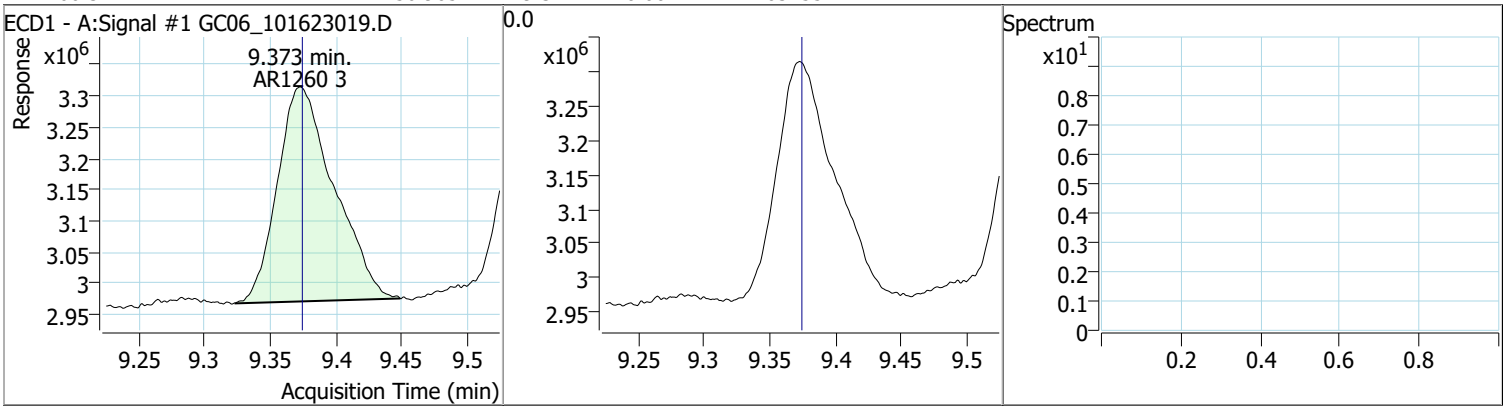
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	59.3519	8.36	0.00	658178				



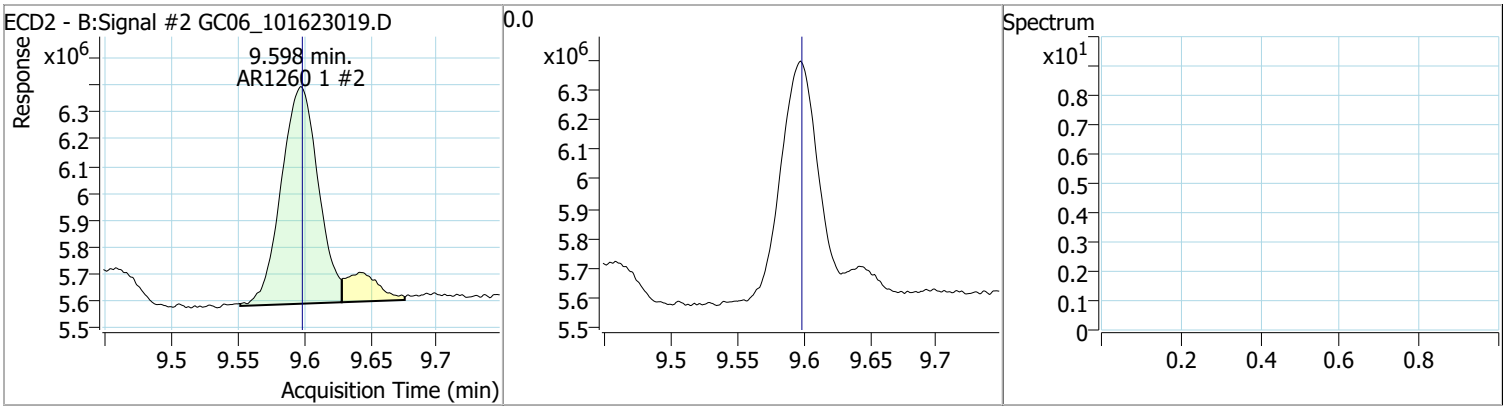
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	58.1647	8.89	0.00	1005079				



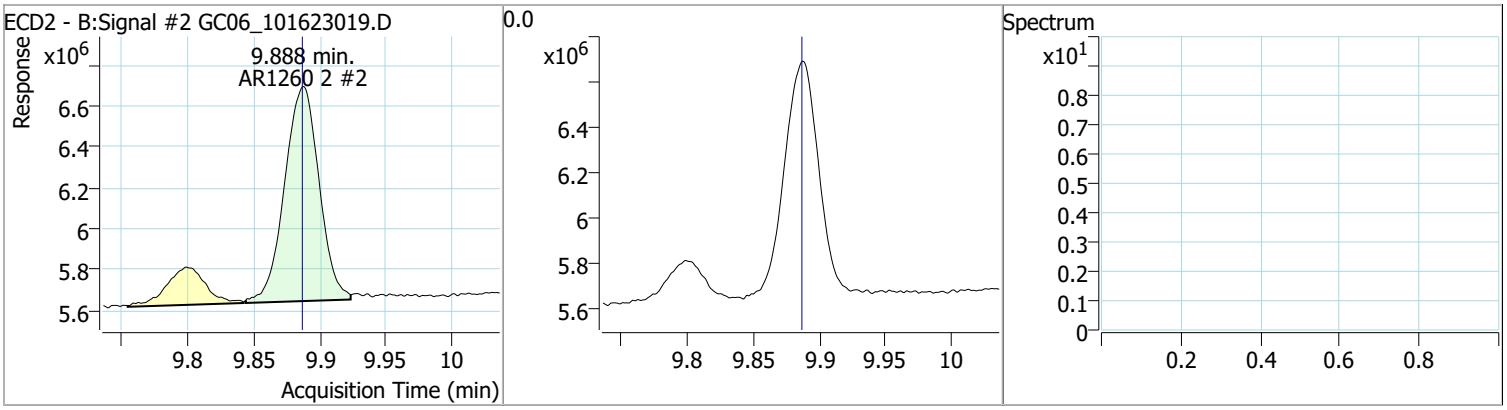
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	56.9054	9.37	0.00	1032552				



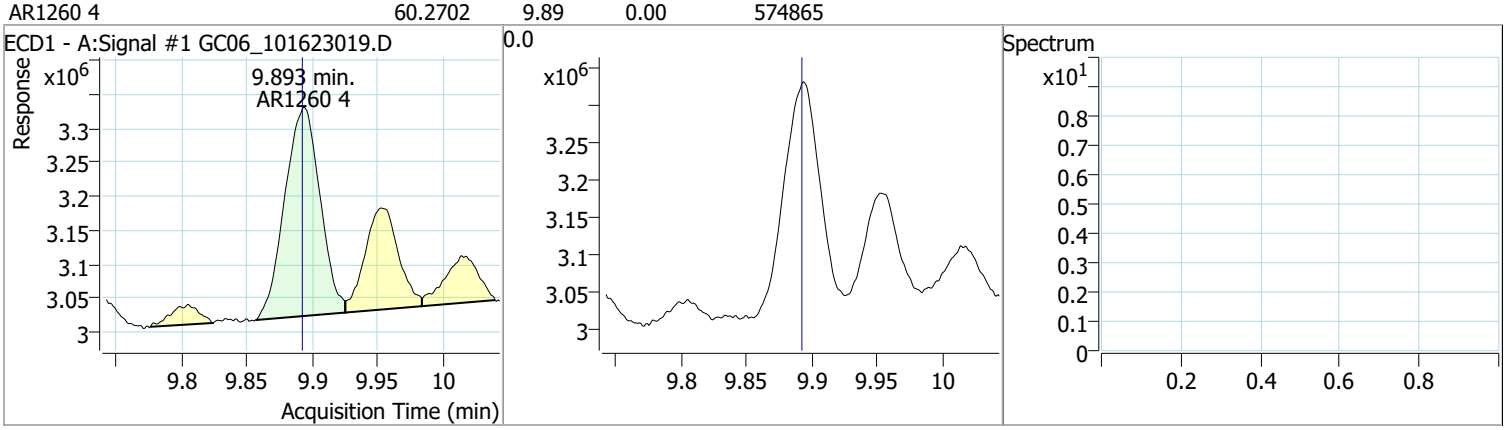
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	55.3751	9.60	0.00	1567692				



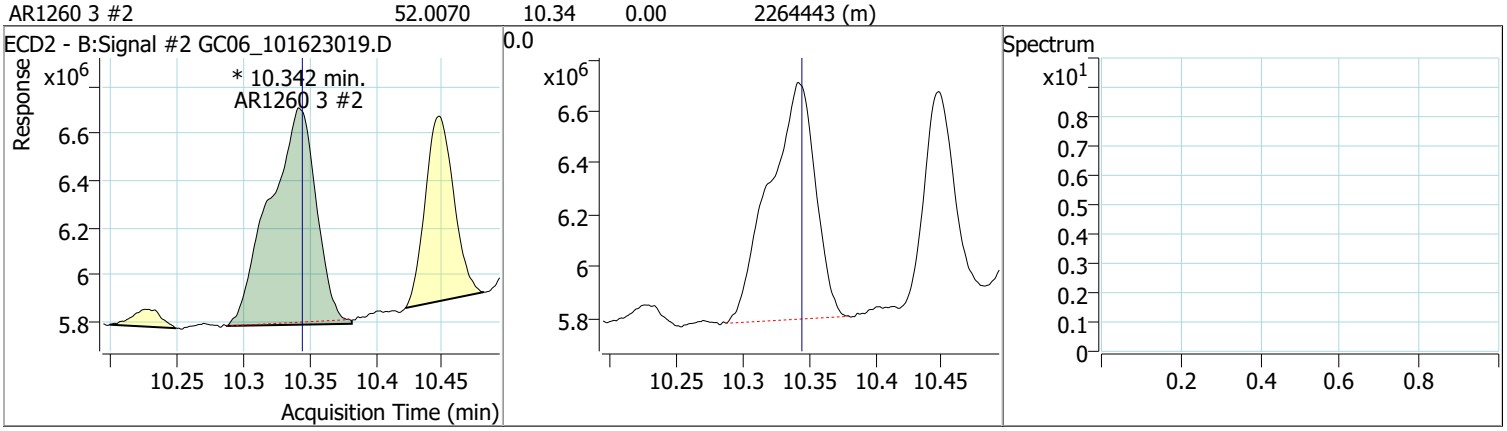
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	55.8225	9.89	0.00	1906704				



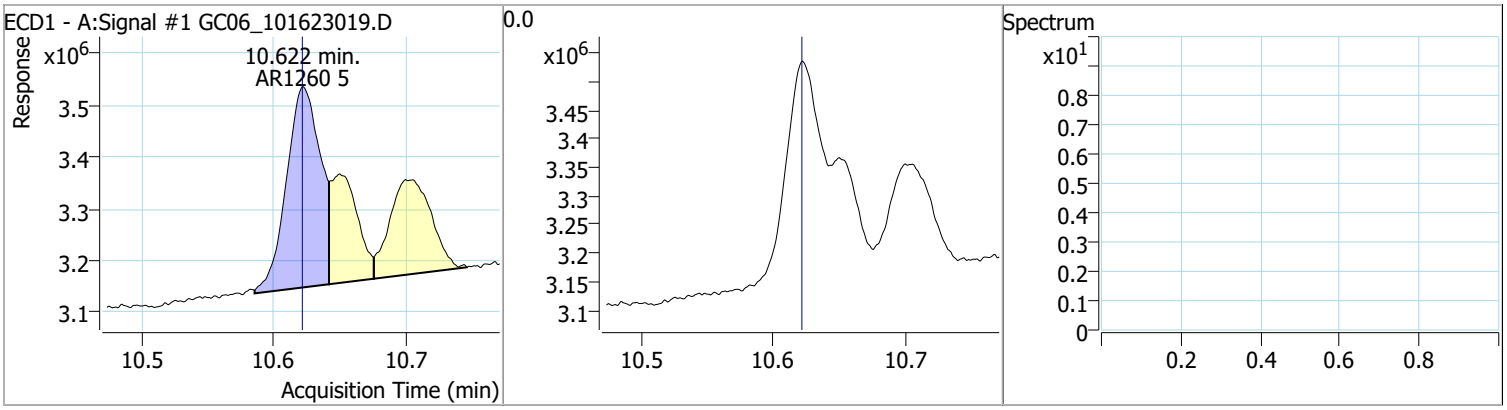
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	60.2702	9.89	0.00	574865				



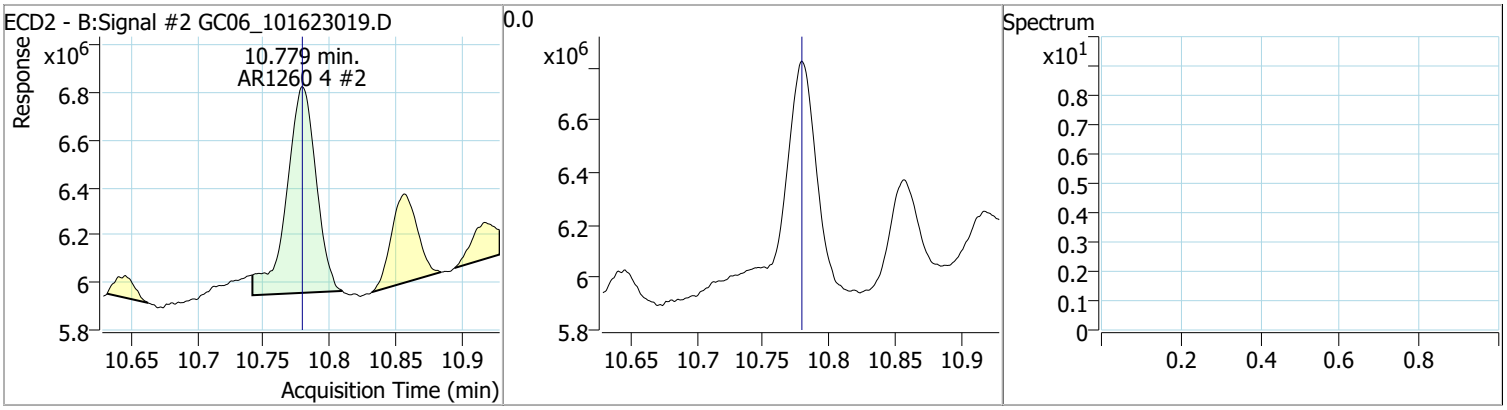
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	52.0070	10.34	0.00	2264443 (m)				



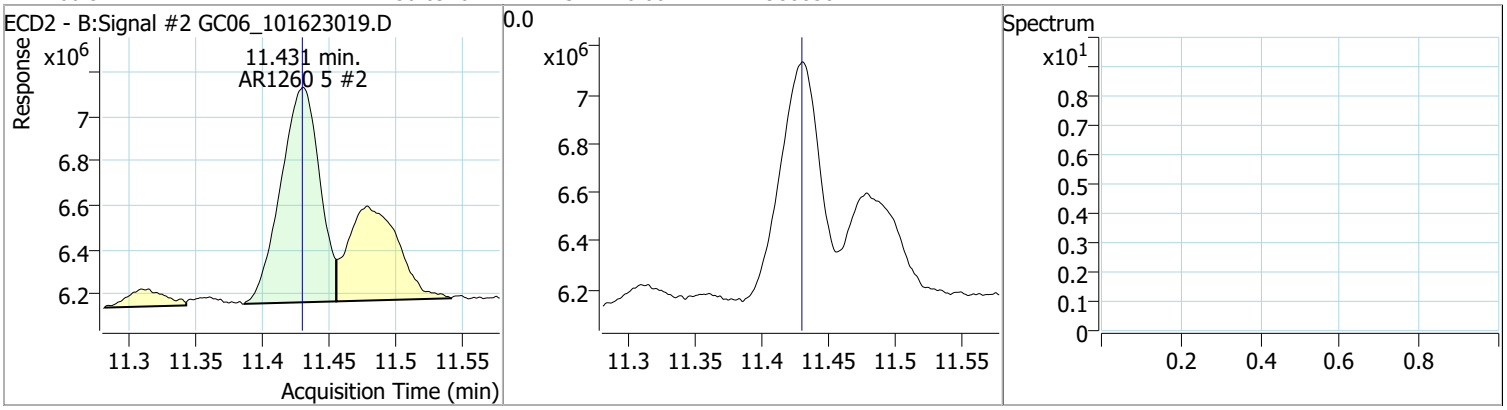
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	56.8430	10.62	0.00	691839				



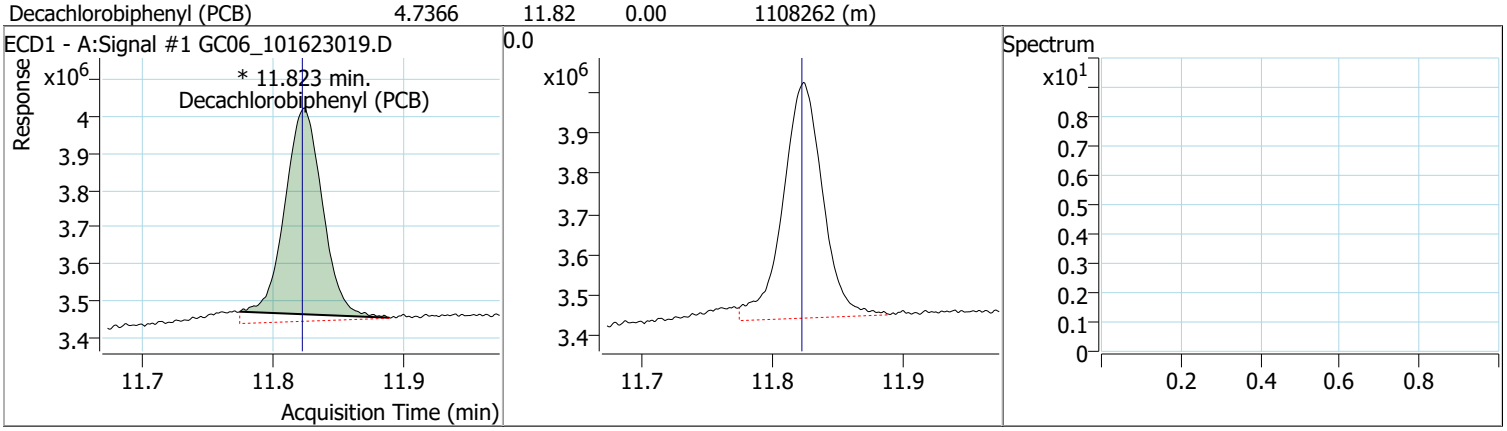
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	50.9251	10.78	0.00	1348045				



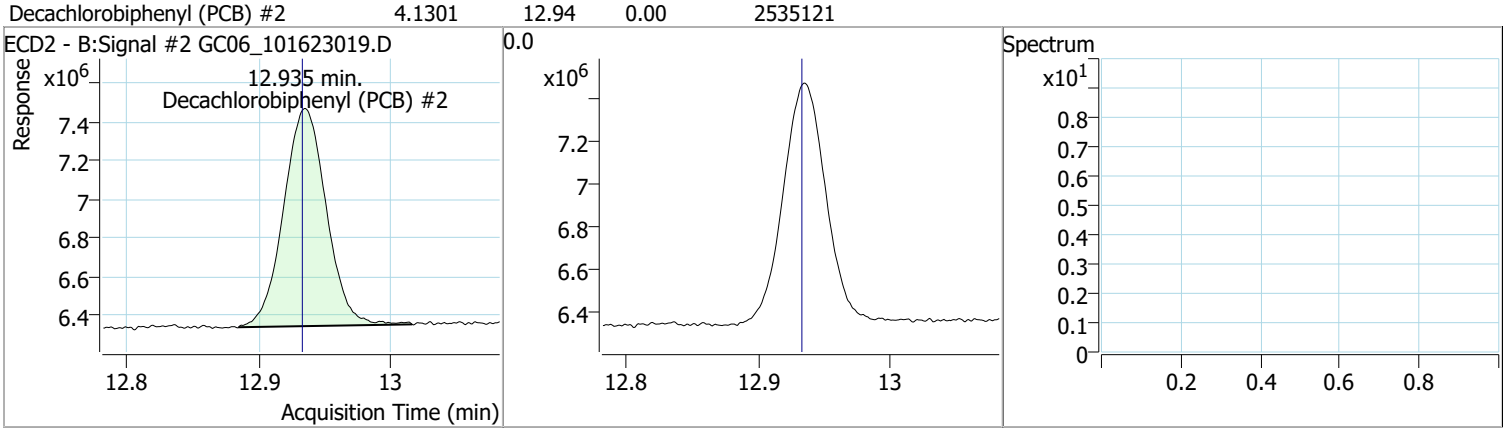
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	50.6946	11.43	0.00	1988858				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.7366	11.82	0.00	1108262 (m)				

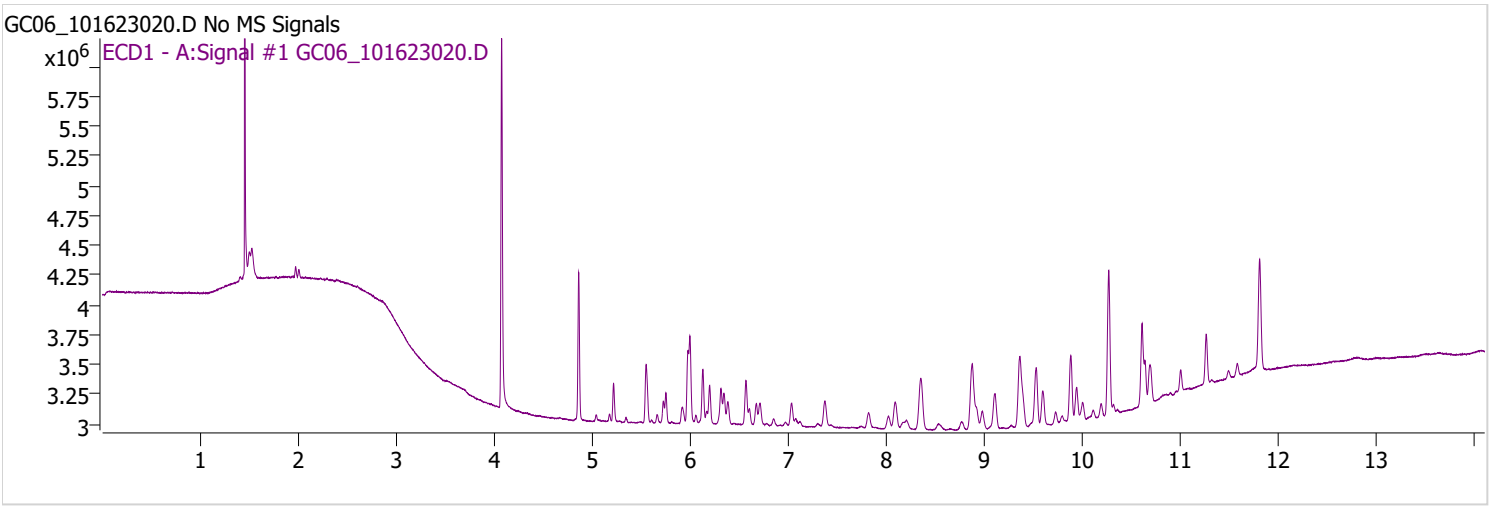


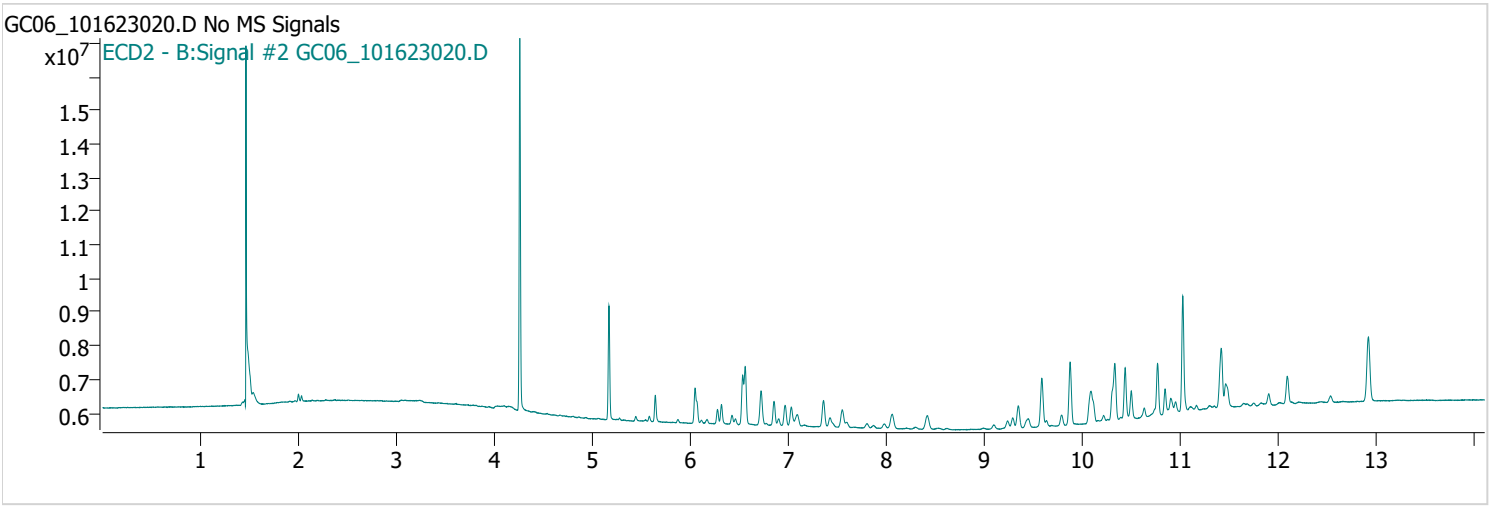
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.1301	12.94	0.00	2535121				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623020.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 3:01:30 PM
Sample Name	ICAL, S18457	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



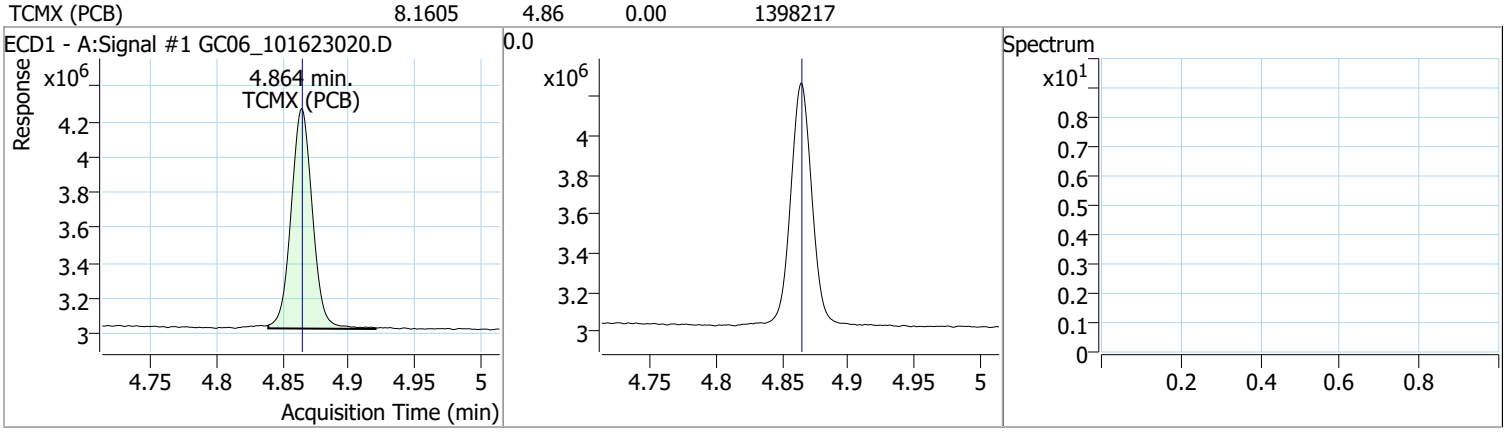


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.077	0.0	3443724.380	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10057237.419	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.864	0.0	1398217.454	8.1605	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.80%		*	
S TCMX (PCB) #2	5.173	0.0	3654175.528	7.7295	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.65%		*	
S Decachlorobiphenyl (PCB)	11.822	0.0	1789289.025	8.1450	ng/ml	m	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.73%		*	
S Decachlorobiphenyl (PCB) #2	12.933	0.0	4302279.322	7.4523	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 37.26%		*	
Target Compounds							QValue

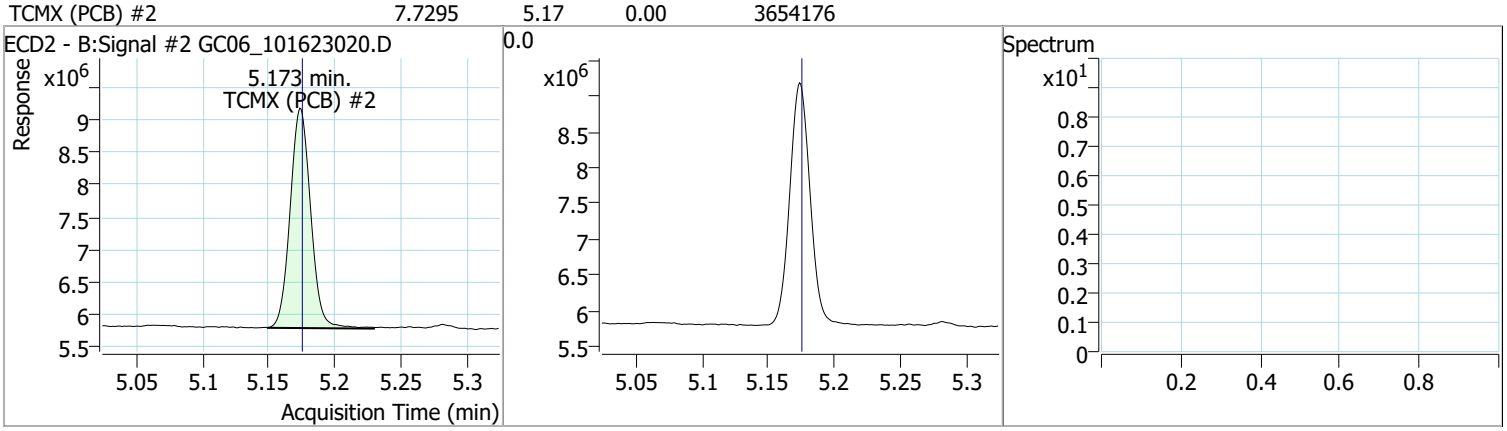
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.221	0.0	400308.537	107.1013	ng/ml		100
T AR1016 2	5.553	0.0	812541.886	108.3120	ng/ml		100
T AR1016 1 #2	5.647	0.0	956570.562	102.8589	ng/ml		100
T AR1016 3	6.000	0.0	1020526.495	106.4211	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	2039060.509	105.0630	ng/ml		100
T AR1016 4	6.133	0.0	657394.047	109.4106	ng/ml		100
T AR1016 3 #2	6.565	0.0	2665546.122	103.2132	ng/ml		100
T AR1016 5	6.573	0.0	603631.731	111.6407	ng/ml		100
T AR1016 4 #2	6.728	0.0	1829999.741	105.4805	ng/ml		100
T AR1016 5 #2	7.366	0.0	1500780.124	104.7081	ng/ml		100
T AR1260 1	8.360	0.0	1140625.287	109.5521	ng/ml		100
T AR1260 2	8.886	0.0	1751147.516	107.9365	ng/ml		100
T AR1260 3	9.373	0.0	1813443.106	106.4466	ng/ml		100
T AR1260 1 #2	9.596	0.0	2773733.876	104.1715	ng/ml		100
T AR1260 2 #2	9.885	0.0	3344572.030	104.1111	ng/ml		100
T AR1260 4	9.893	0.0	1026987.753	114.6802	ng/ml		100
T AR1260 3 #2	10.342	0.0	4034552.824	98.5205	ng/ml	m	100
T AR1260 5	10.621	0.0	1283055.187	112.2803	ng/ml		100
T AR1260 4 #2	10.778	0.0	2475287.889	99.4223	ng/ml		100
T AR1260 5 #2	11.428	0.0	3738704.380	101.3234	ng/ml		100

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

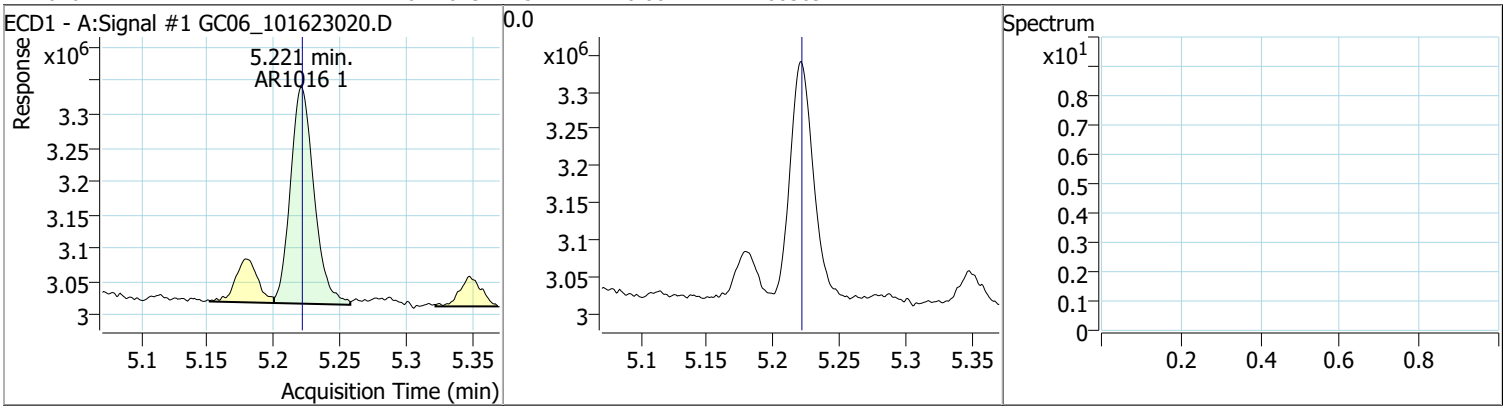
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.1605	4.86	0.00	1398217				



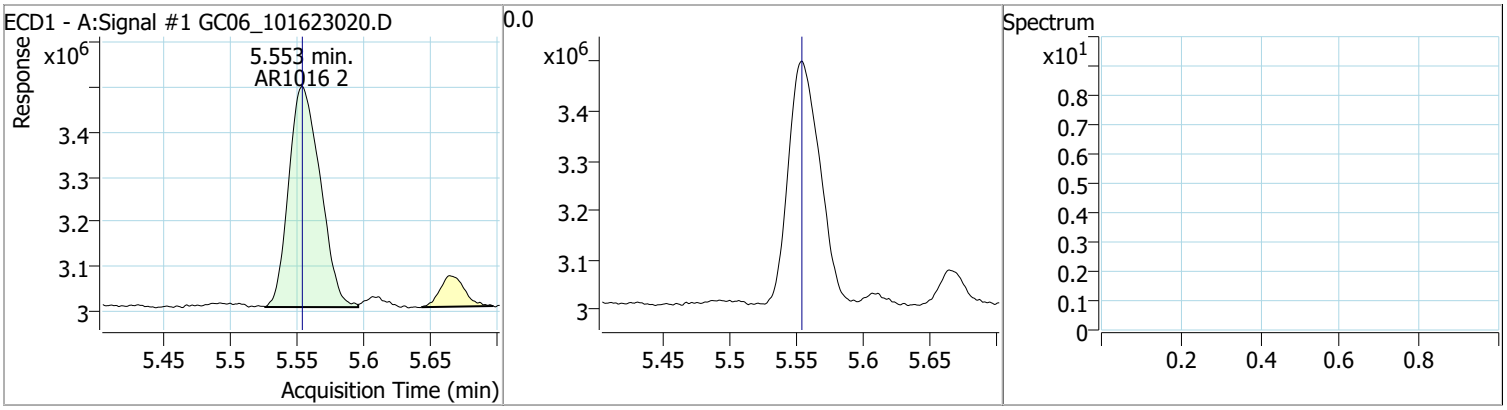
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	7.7295	5.17	0.00	3654176				



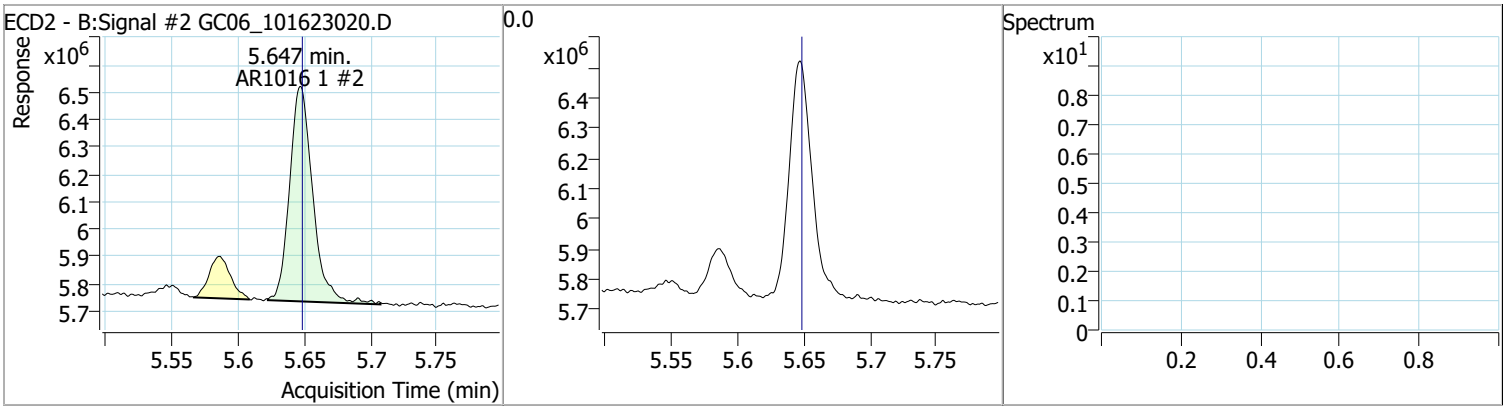
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	107.1013	5.22	0.00	400309				



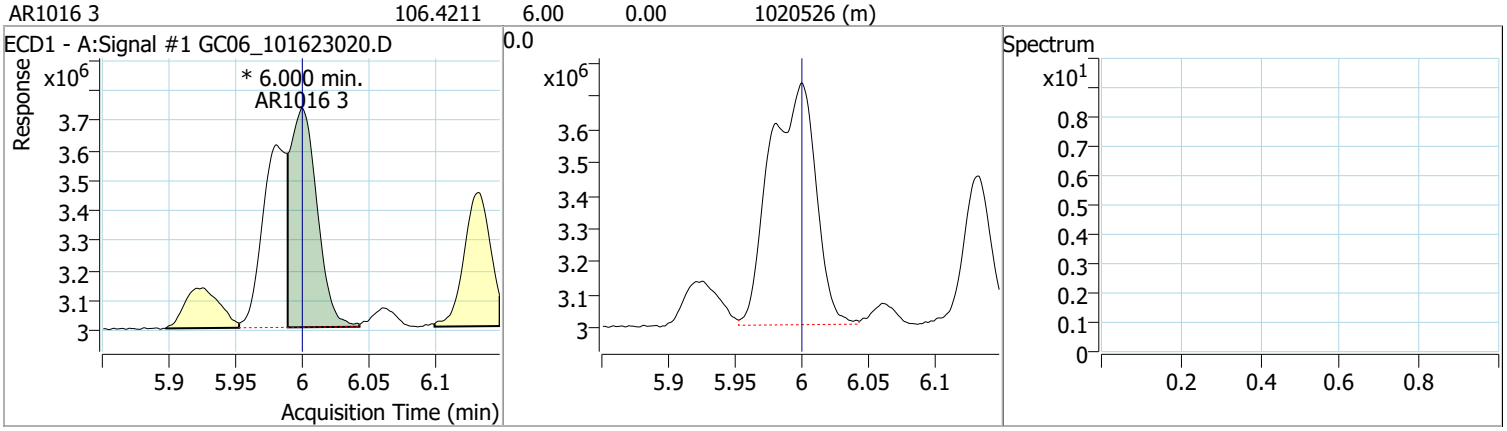
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	108.3120	5.55	0.00	812542				



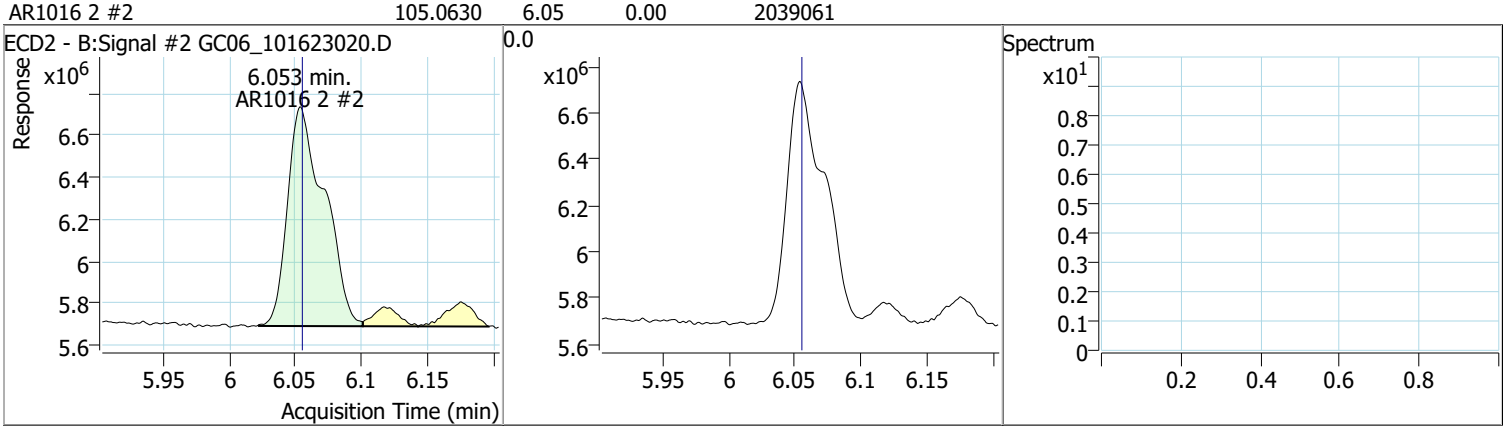
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	102.8589	5.65	0.00	956571				



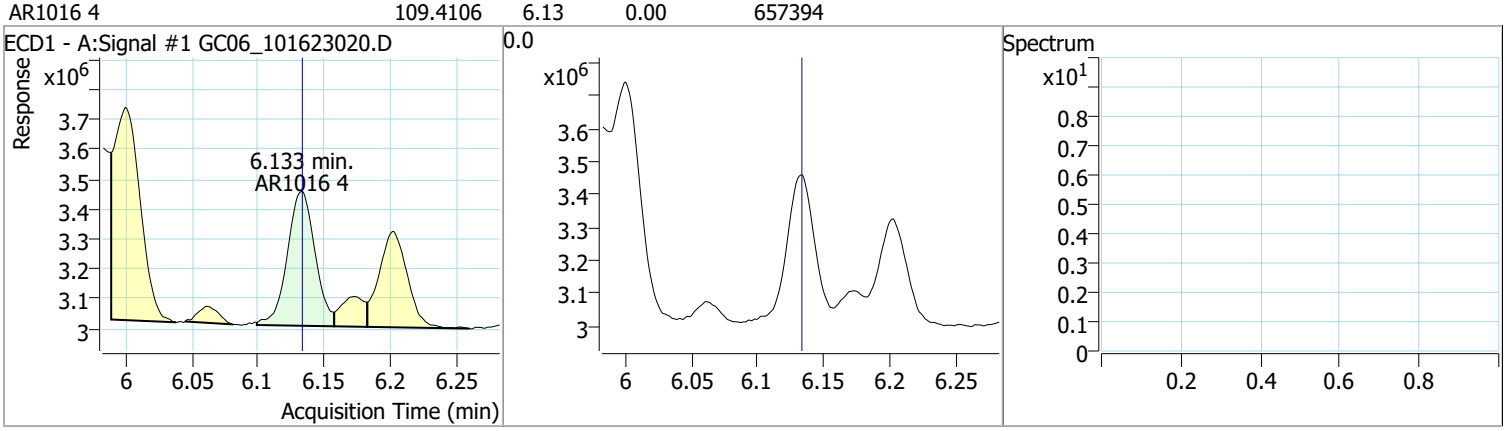
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	106.4211	6.00	0.00	1020526 (m)				



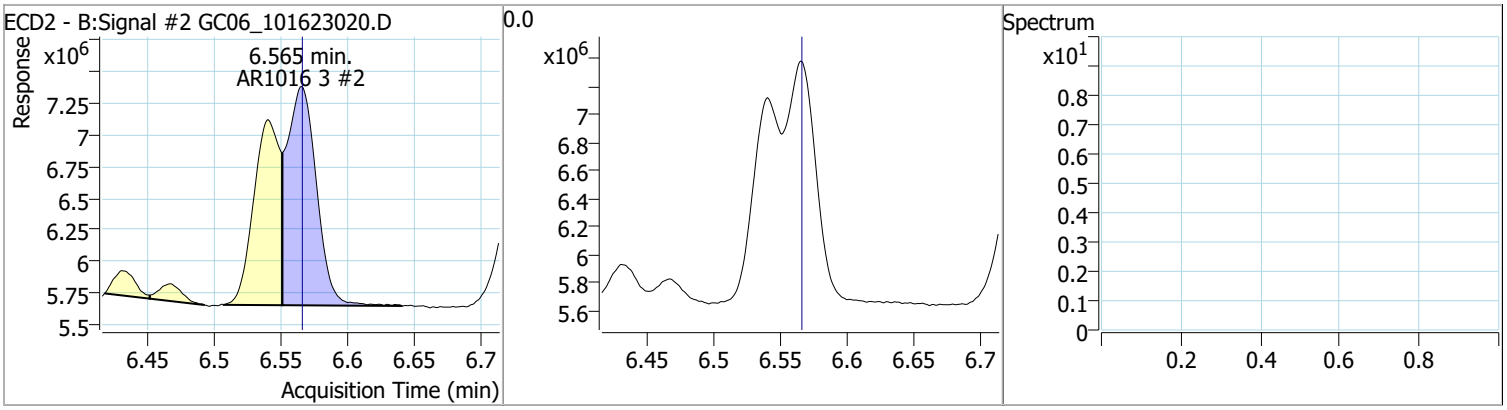
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	105.0630	6.05	0.00	2039061				



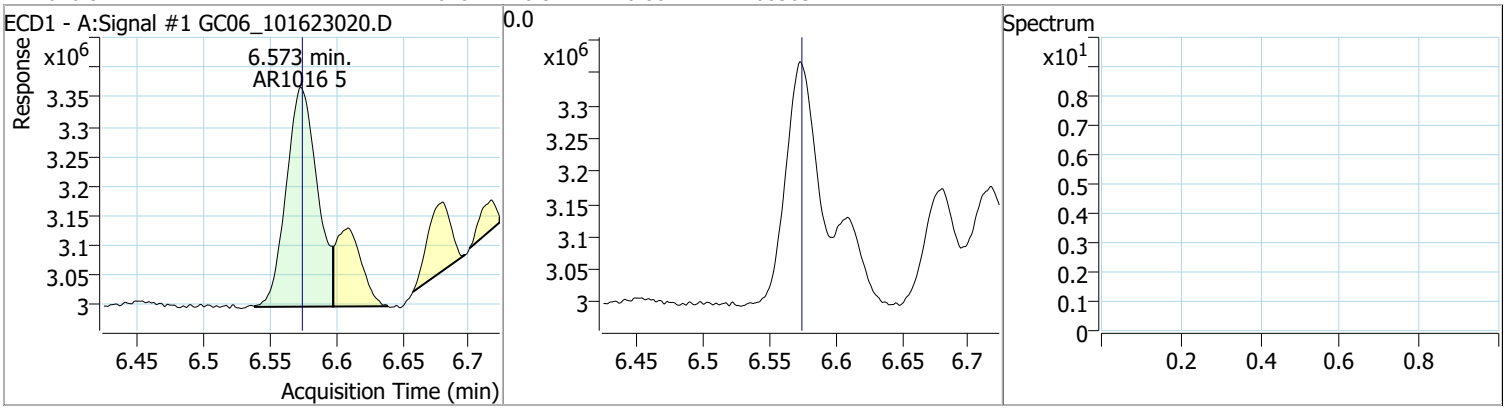
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	109.4106	6.13	0.00	657394				



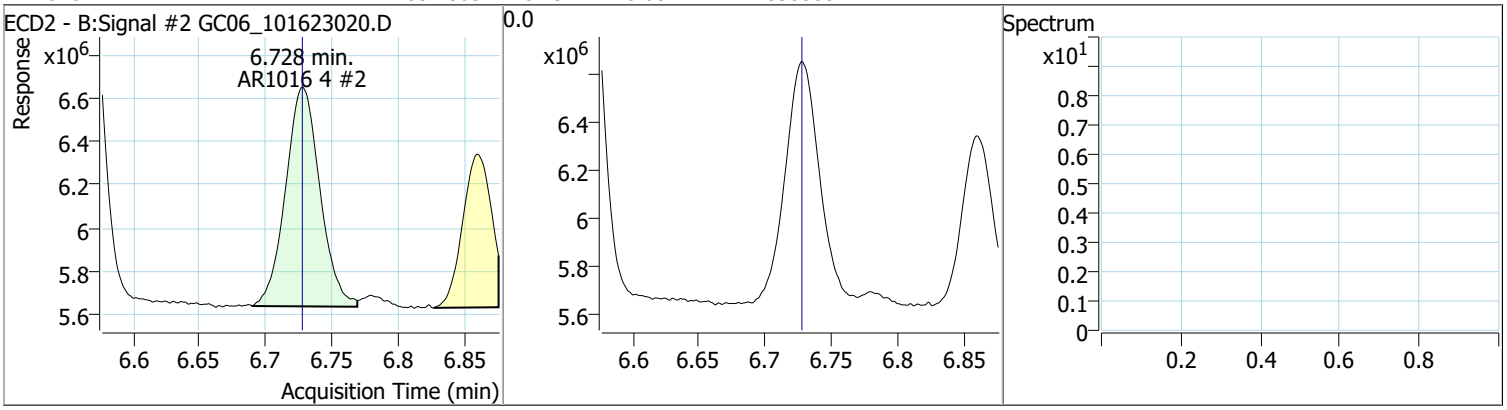
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	103.2132	6.57	0.00	2665546				



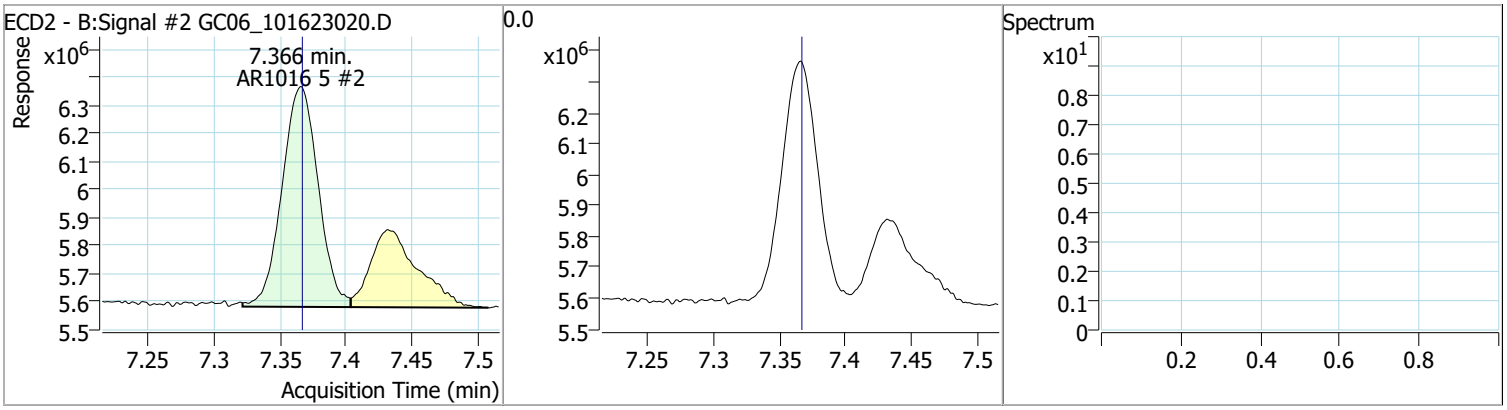
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	111.6407	6.57	0.00	603632				



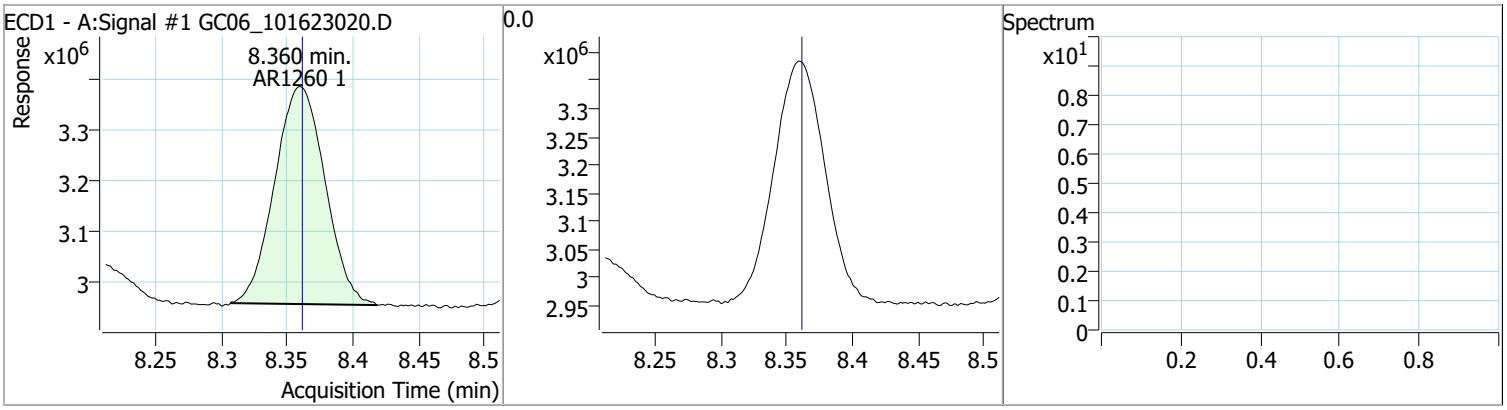
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	105.4805	6.73	0.00	1830000				



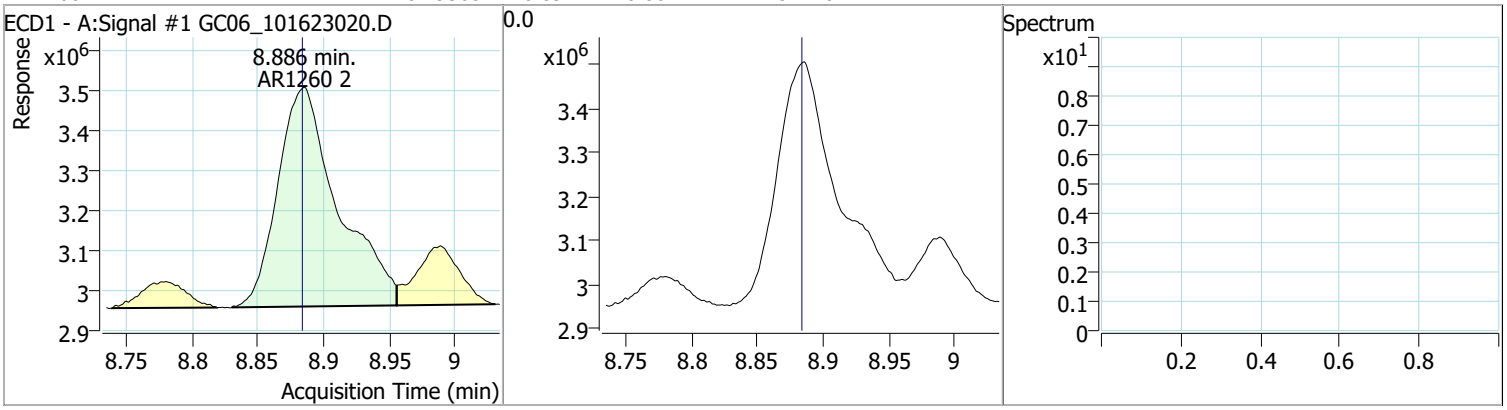
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	104.7081	7.37	0.00	1500780				



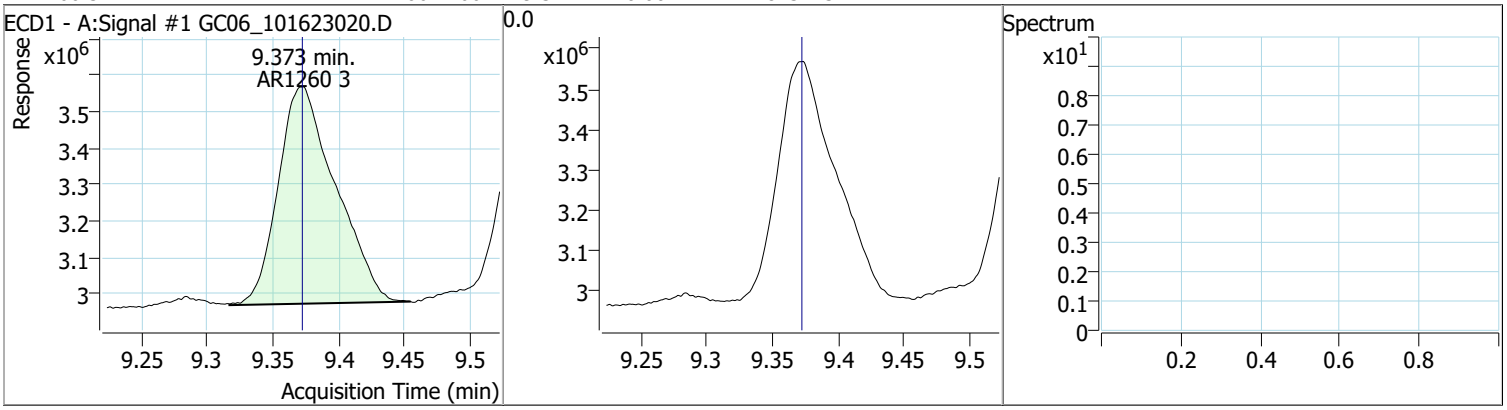
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	109.5521	8.36	0.00	1140625				



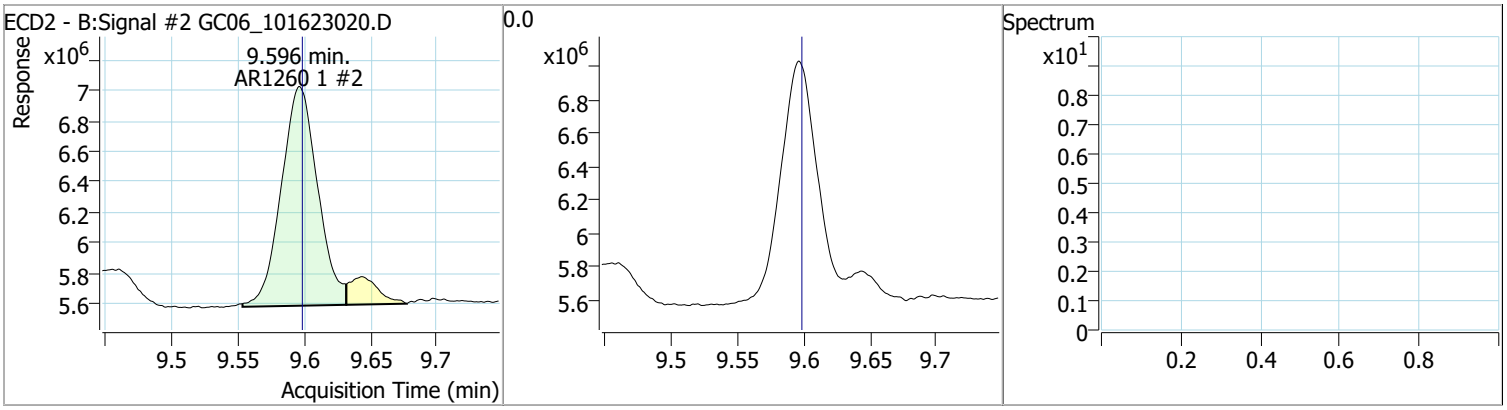
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	107.9365	8.89	0.00	1751148				



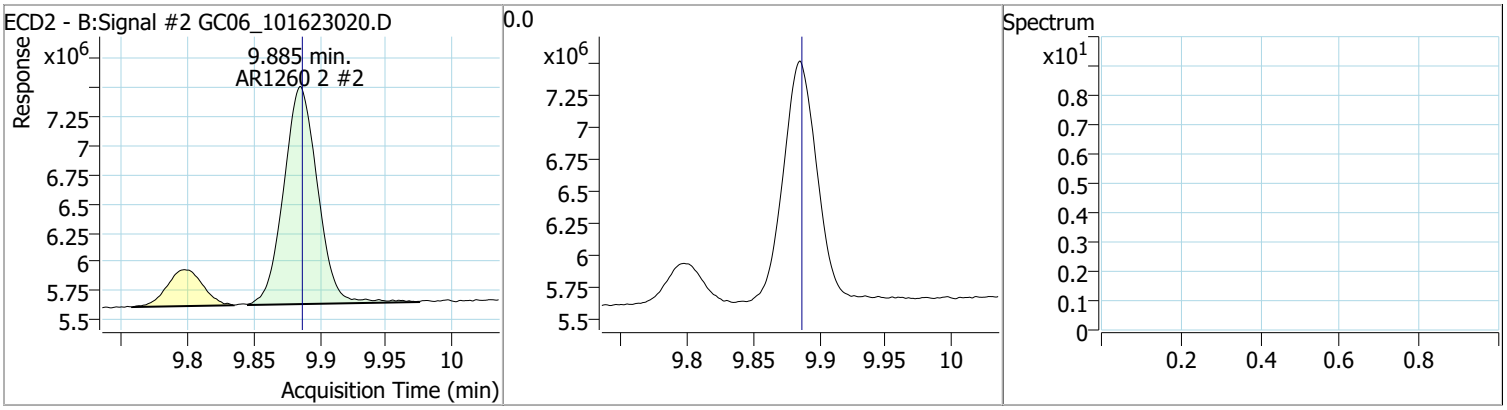
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	106.4466	9.37	0.00	1813443				



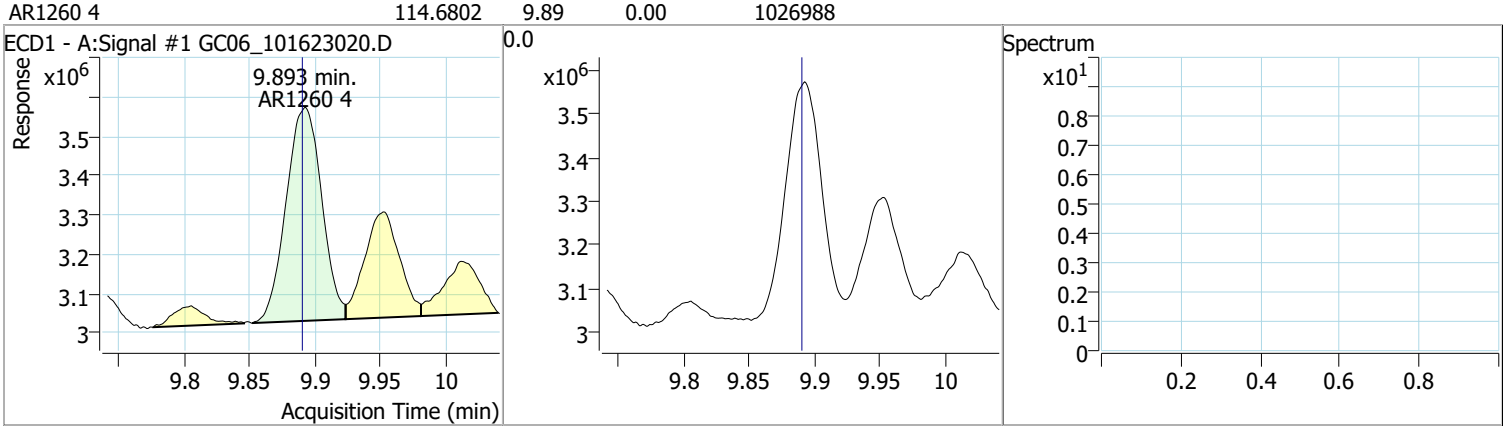
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	104.1715	9.60	0.00	2773734				



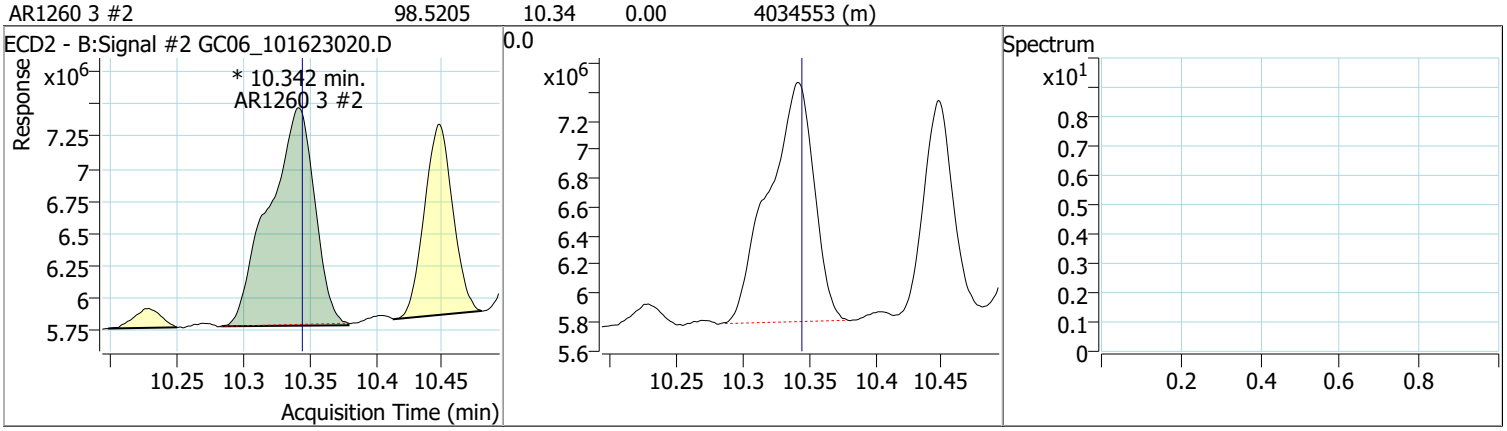
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	104.1111	9.89	0.00	3344572				



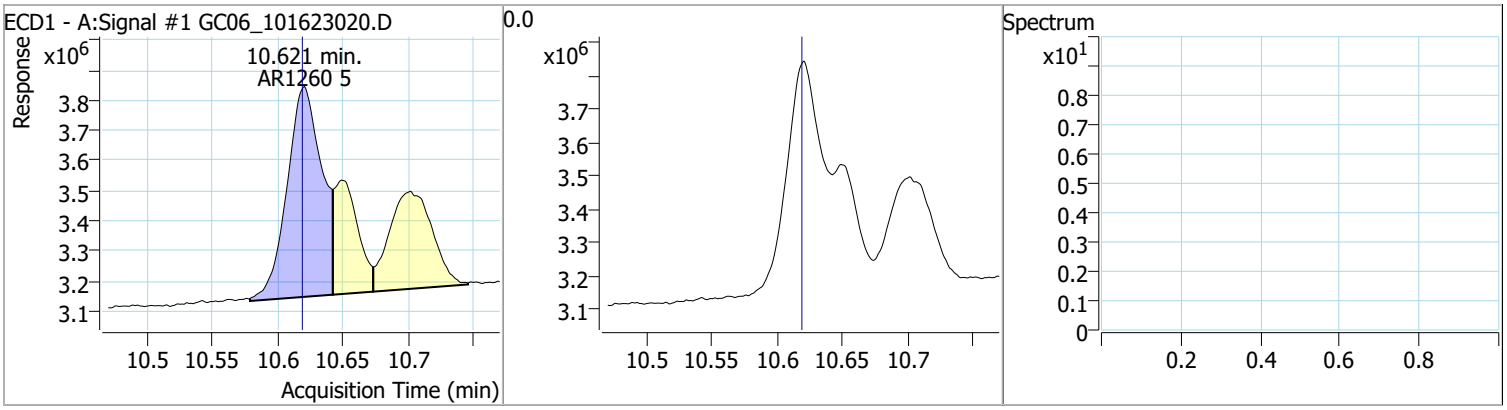
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	114.6802	9.89	0.00	1026988				



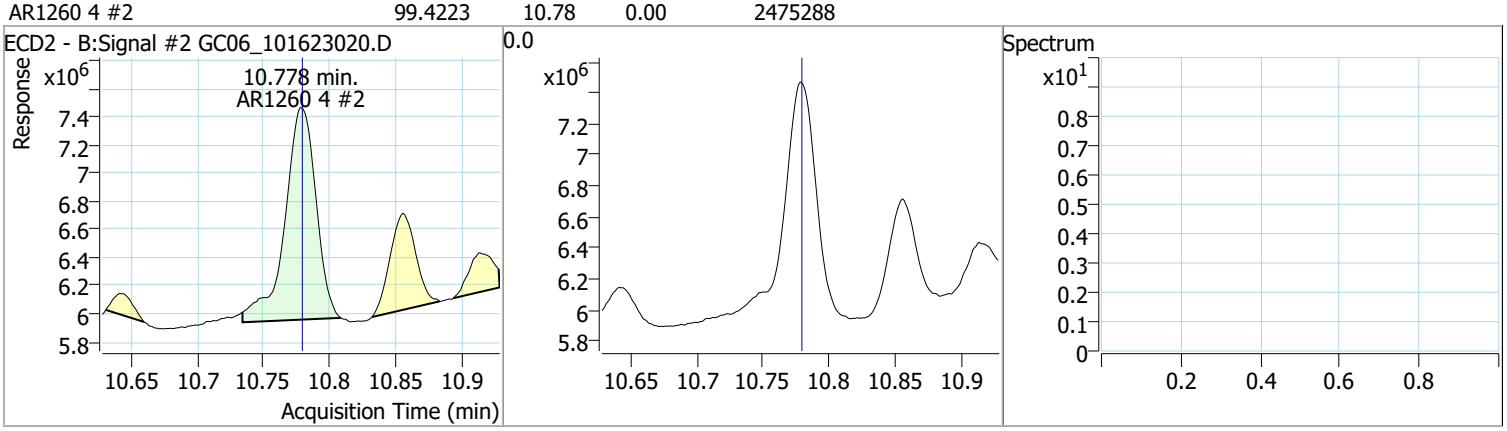
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	98.5205	10.34	0.00	4034553 (m)				



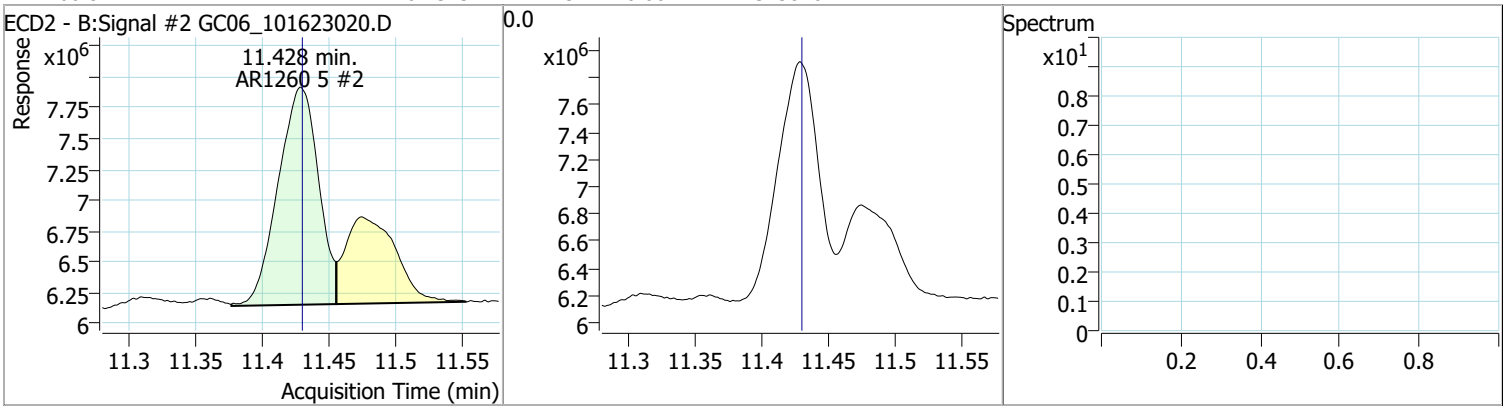
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	112.2803	10.62	0.00	1283055				



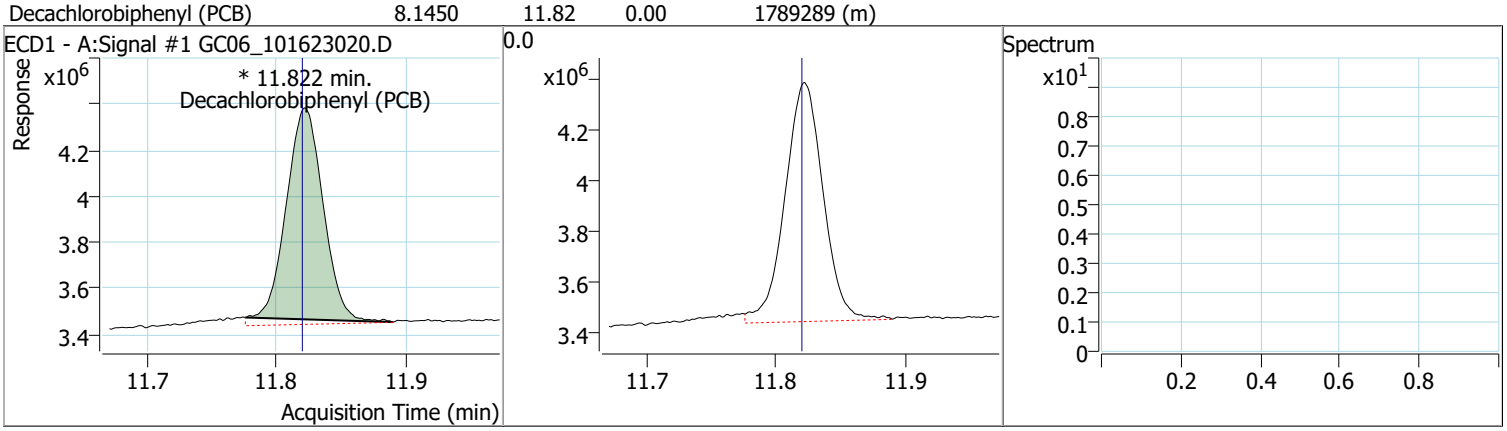
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	99.4223	10.78	0.00	2475288				



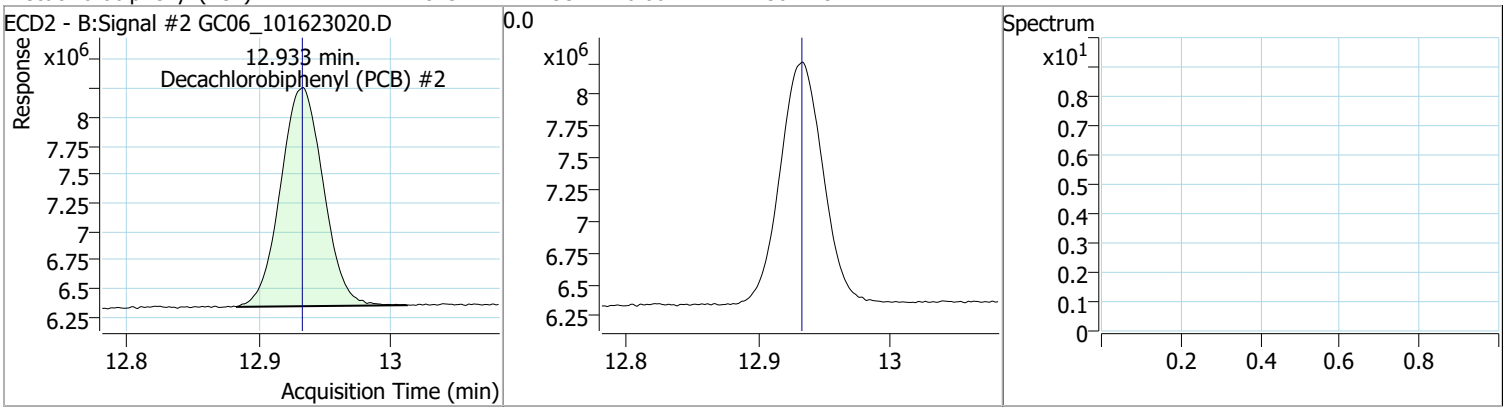
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	101.3234	11.43	0.00	3738704				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.1450	11.82	0.00	1789289 (m)				

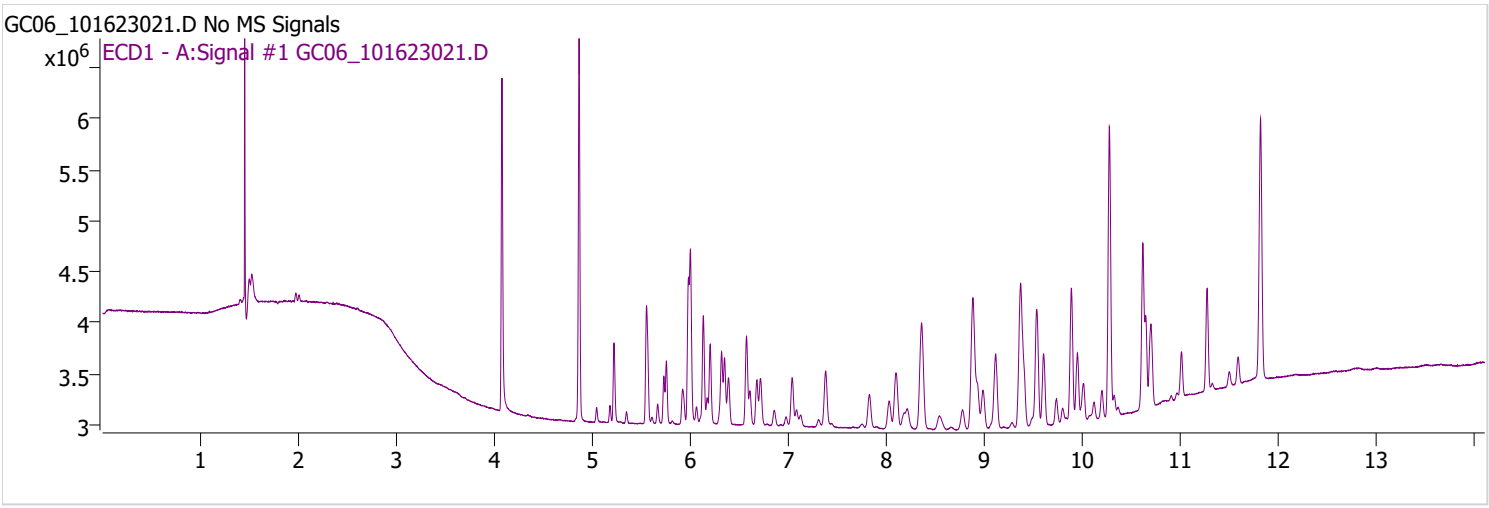


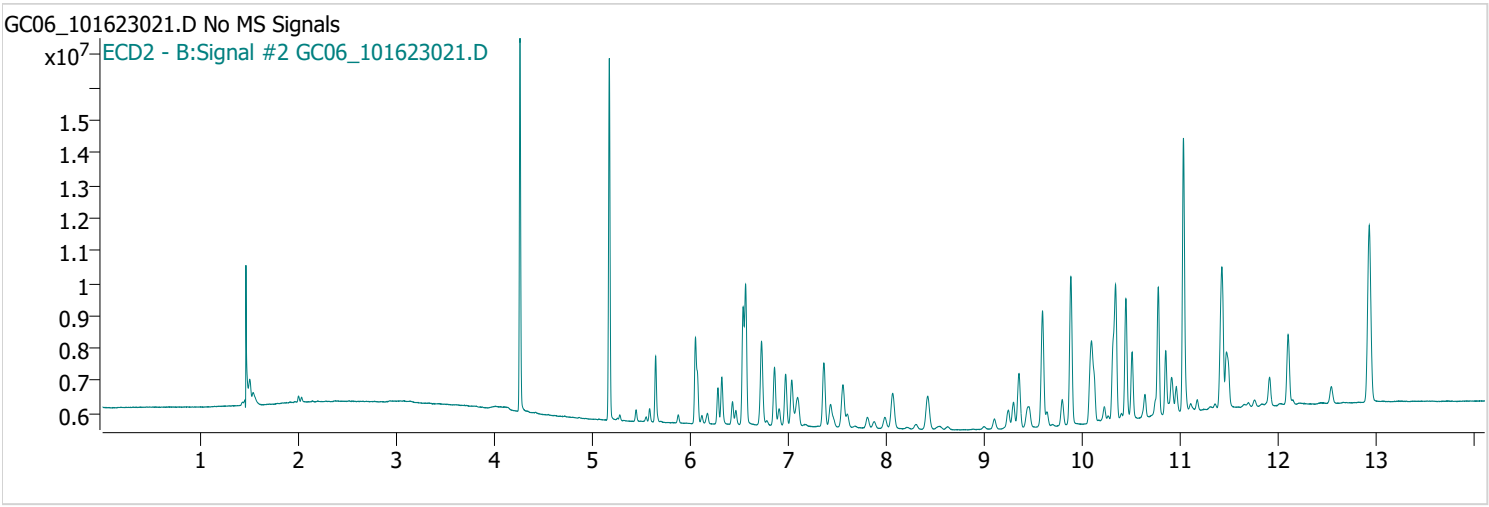
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	7.4523	12.93	0.00	4302279				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623021.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 3:21:14 PM
Sample Name	ICAL, S18458	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



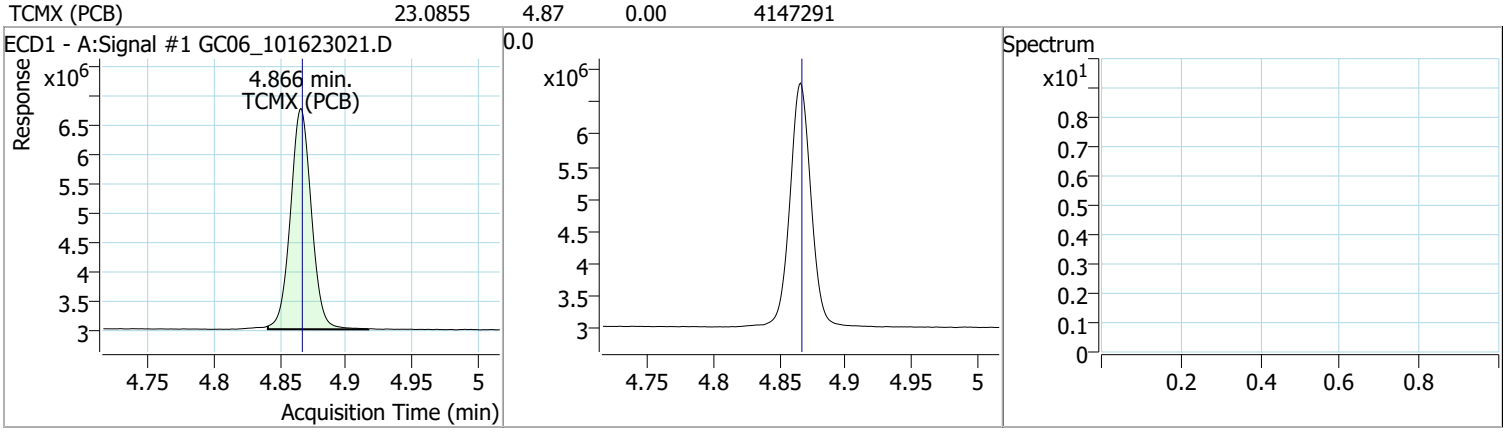


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3610729.796	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10490477.792	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.866	0.0	4147291.092	23.0855	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.43%		
S TCMX (PCB) #2	5.174	0.0	11599897.456	23.5234	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 117.62%		
S Decachlorobiphenyl (PCB)	11.823	0.0	5065639.785	21.9927	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 109.96%		
S Decachlorobiphenyl (PCB) #2	12.933	0.0	12584063.308	20.8975	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.49%		
Target Compounds						QValue

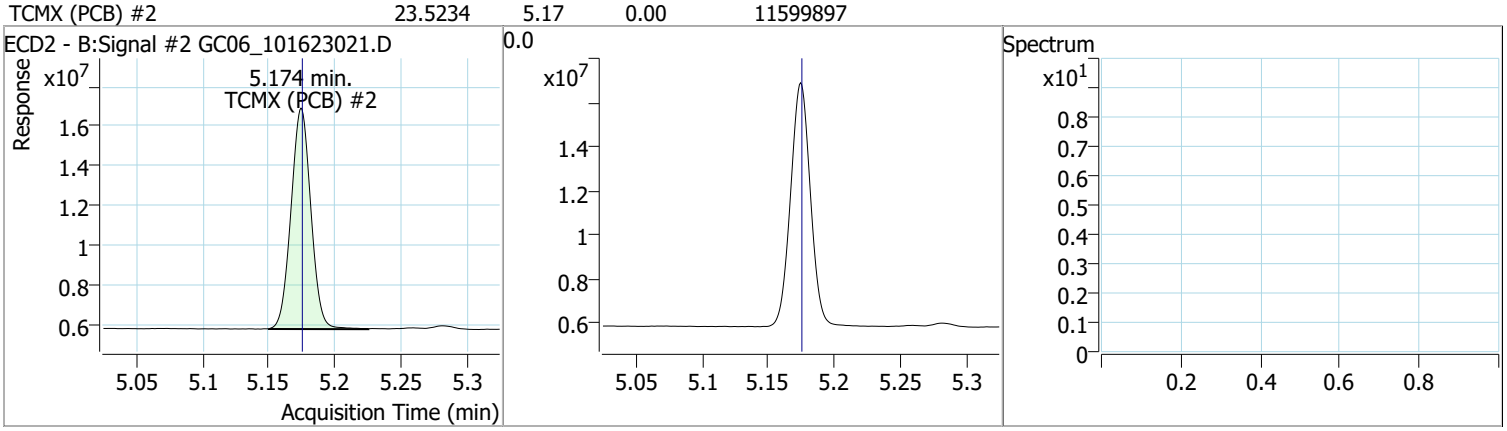
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.223	0.0	1018903.807	259.9958	ng/ml		100
T AR1016 2	5.555	0.0	1945375.527	247.3247	ng/ml		100
T AR1016 1 #2	5.648	0.0	2439490.236	251.4824	ng/ml		100
T AR1016 3	6.002	0.0	2523883.998	251.0189	ng/ml	m	100
T AR1016 2 #2	6.054	0.0	5166704.633	255.2213	ng/ml		100
T AR1016 4	6.134	0.0	1568907.786	249.0374	ng/ml		100
T AR1016 3 #2	6.566	0.0	6528718.183	242.3598	ng/ml		100
T AR1016 5	6.575	0.0	1439526.770	253.9240	ng/ml		100
T AR1016 4 #2	6.728	0.0	4686533.200	258.9741	ng/ml		100
T AR1016 5 #2	7.365	0.0	3722885.137	249.0155	ng/ml		100
T AR1260 1	8.363	0.0	2832476.092	259.4642	ng/ml		100
T AR1260 2	8.887	0.0	4232067.112	248.7892	ng/ml		100
T AR1260 3	9.374	0.0	4363451.694	244.2819	ng/ml		100
T AR1260 1 #2	9.598	0.0	6898073.658	248.3678	ng/ml		100
T AR1260 2 #2	9.887	0.0	8276721.298	247.0008	ng/ml		100
T AR1260 4	9.891	0.0	2493299.224	265.5405	ng/ml		100
T AR1260 3 #2	10.343	0.0	10272735.551	240.4920	ng/ml		100
T AR1260 5	10.622	0.0	2921215.317	243.8121	ng/ml		100
T AR1260 4 #2	10.779	0.0	6486959.032	249.7943	ng/ml		100
T AR1260 5 #2	11.428	0.0	9533291.051	247.6937	ng/ml		100

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

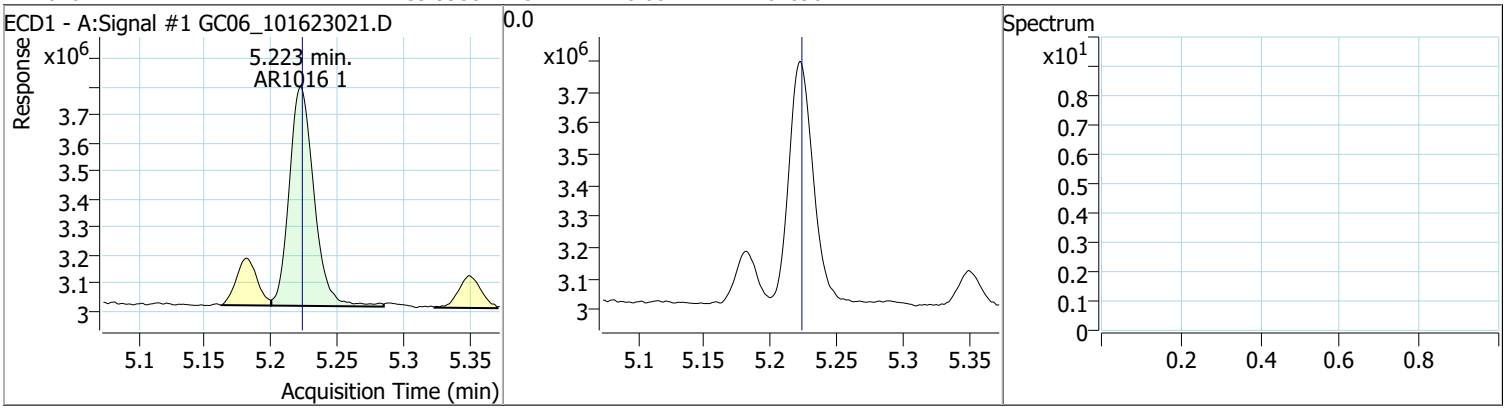
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	23.0855	4.87	0.00	4147291				



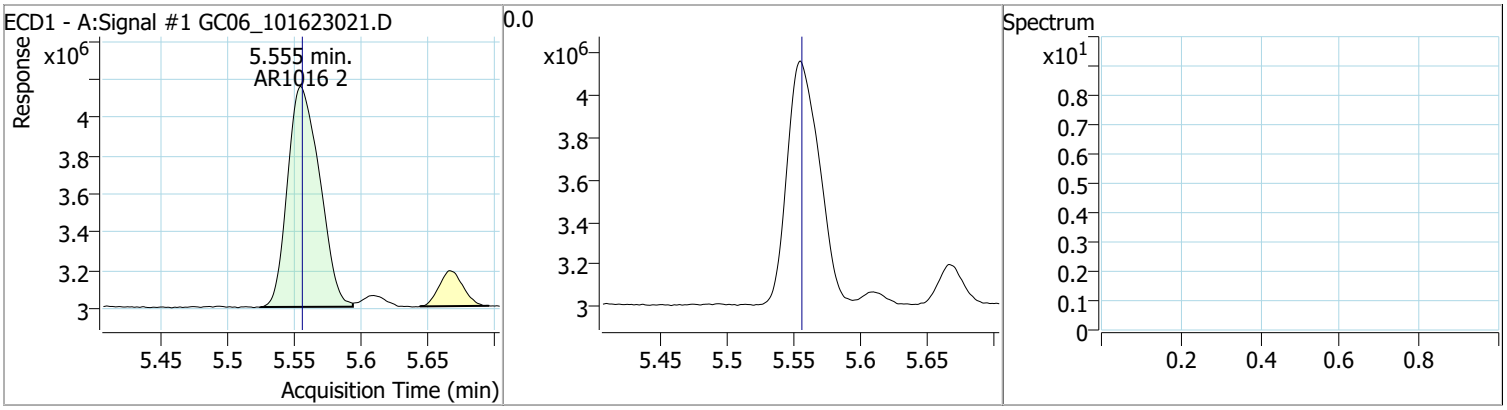
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	23.5234	5.17	0.00	11599897				



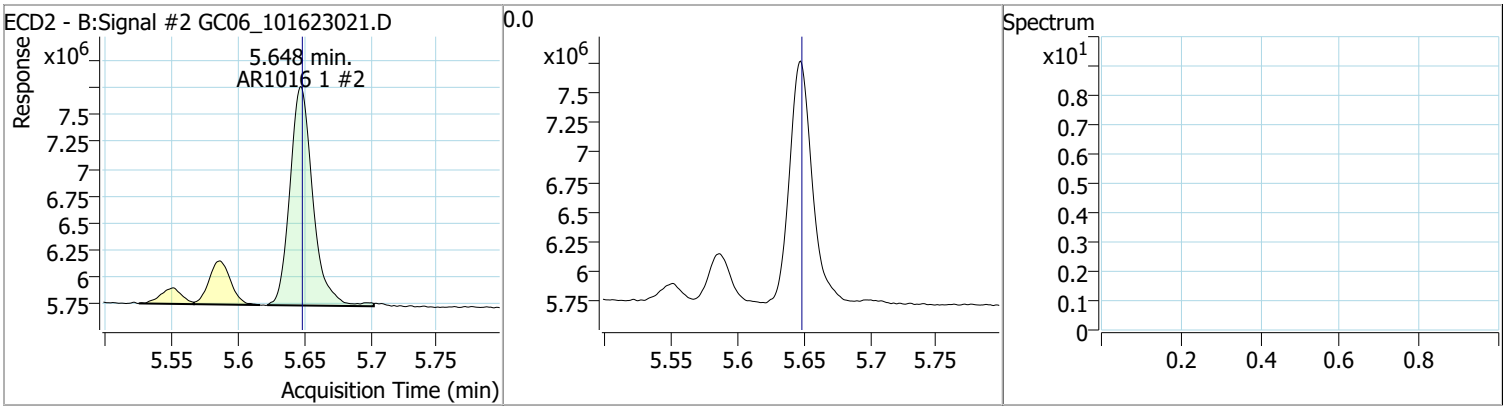
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	259.9958	5.22	0.00	1018904				



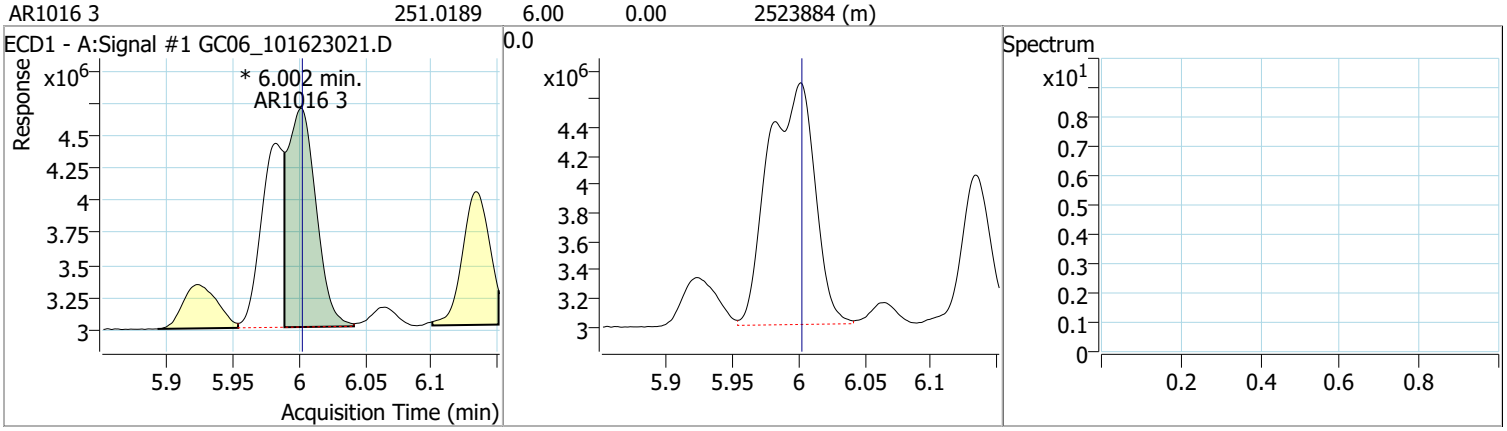
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	247.3247	5.56	0.00	1945376				



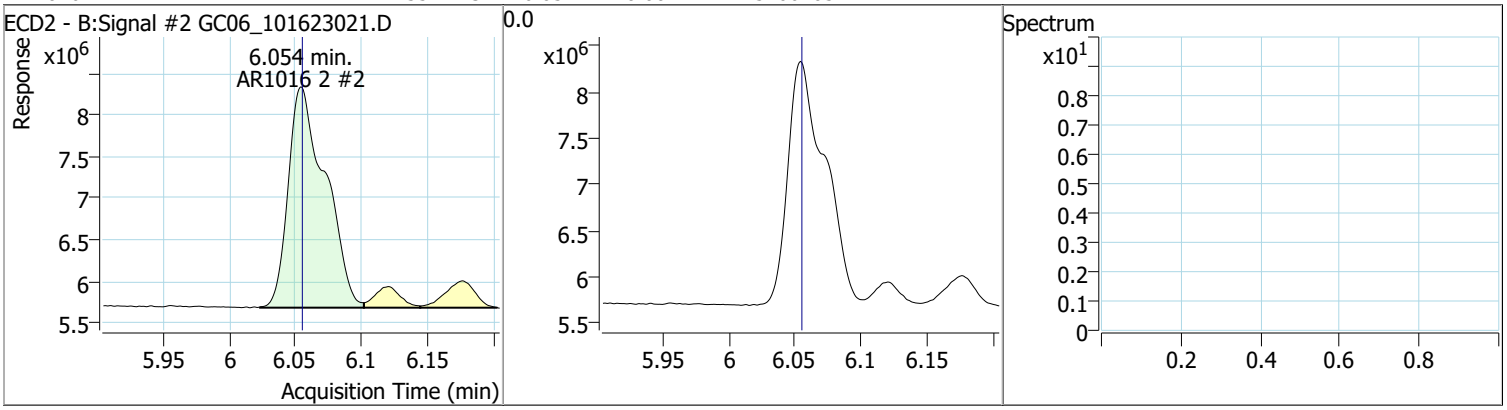
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	251.4824	5.65	0.00	2439490				



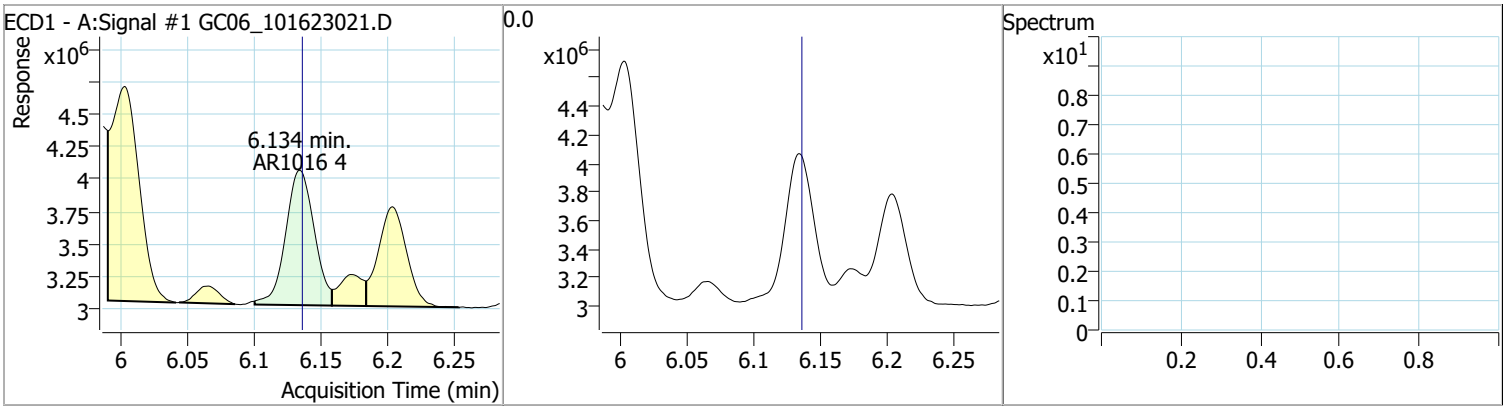
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	251.0189	6.00	0.00	2523884 (m)				



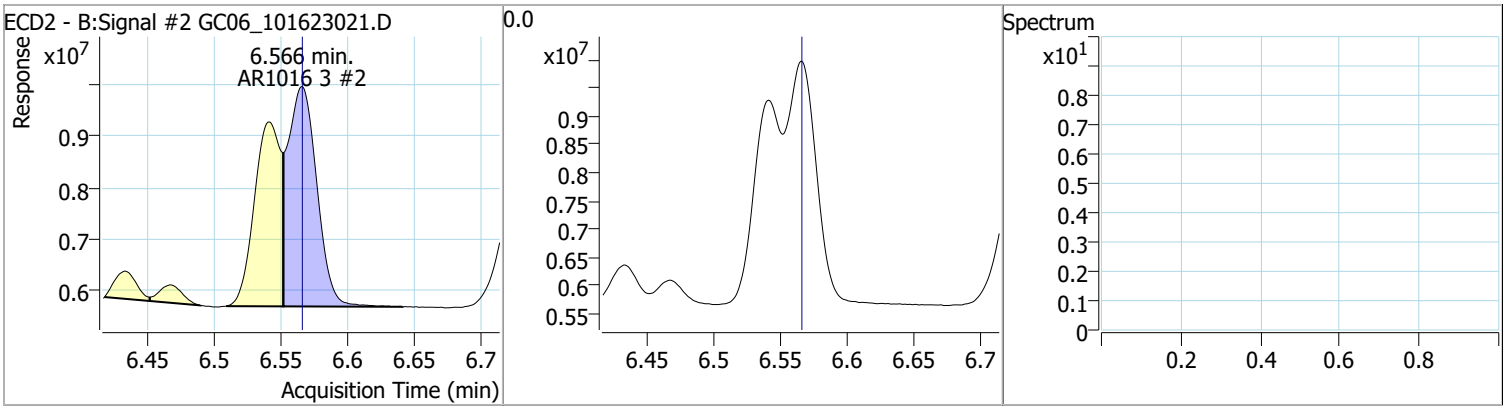
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	255.2213	6.05	0.00	5166705				



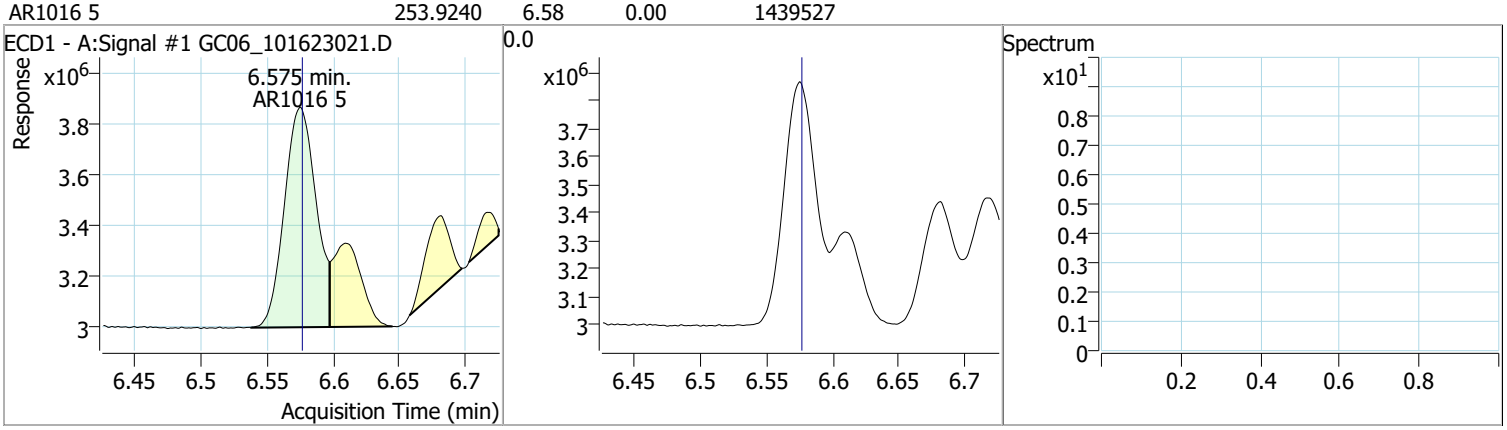
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	249.0374	6.13	0.00	1568908				



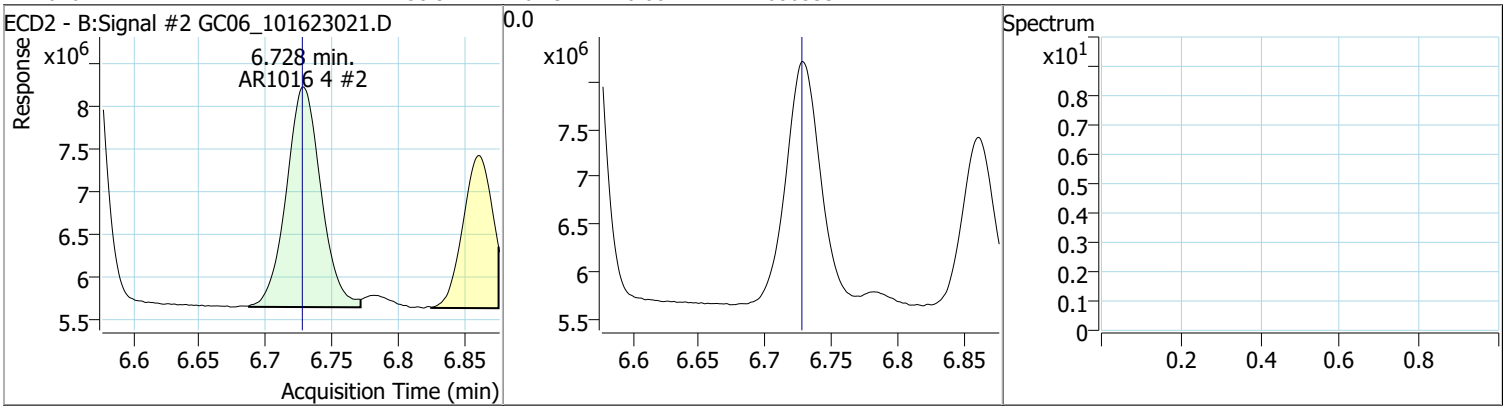
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	242.3598	6.57	0.00	6528718				



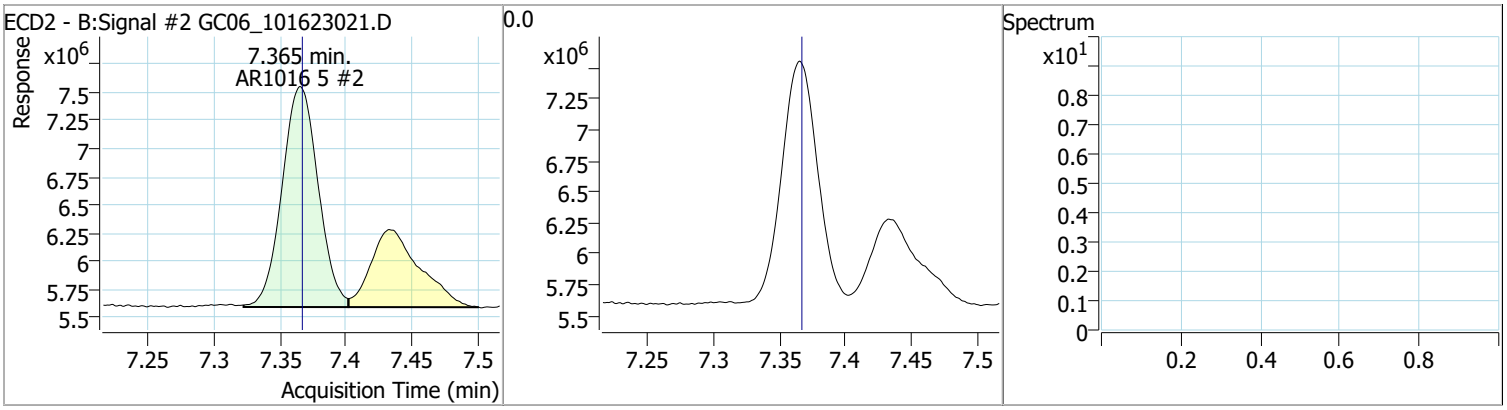
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	253.9240	6.58	0.00	1439527				



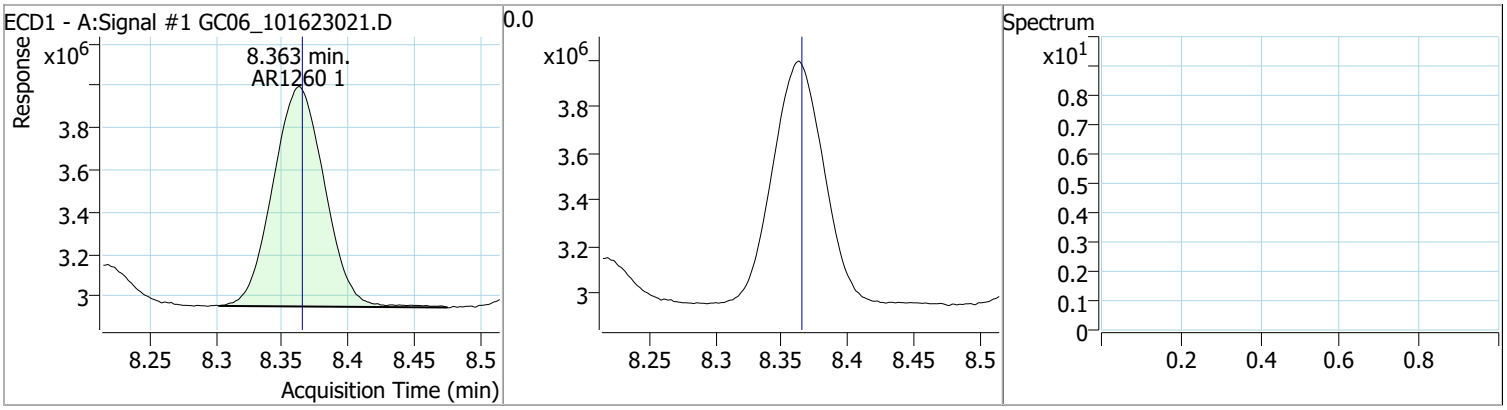
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	258.9741	6.73	0.00	4686533				



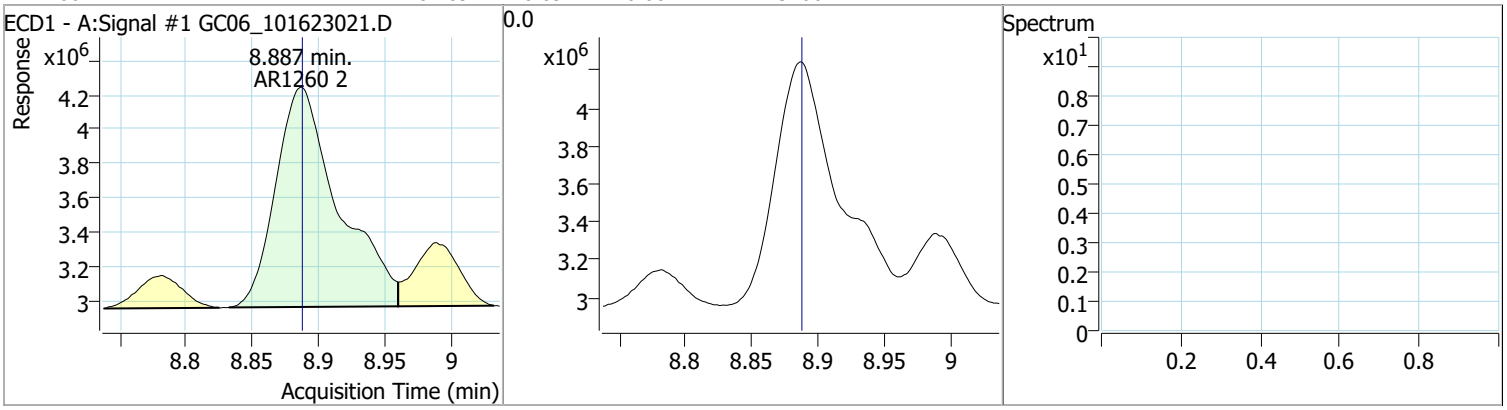
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	249.0155	7.37	0.00	3722885				



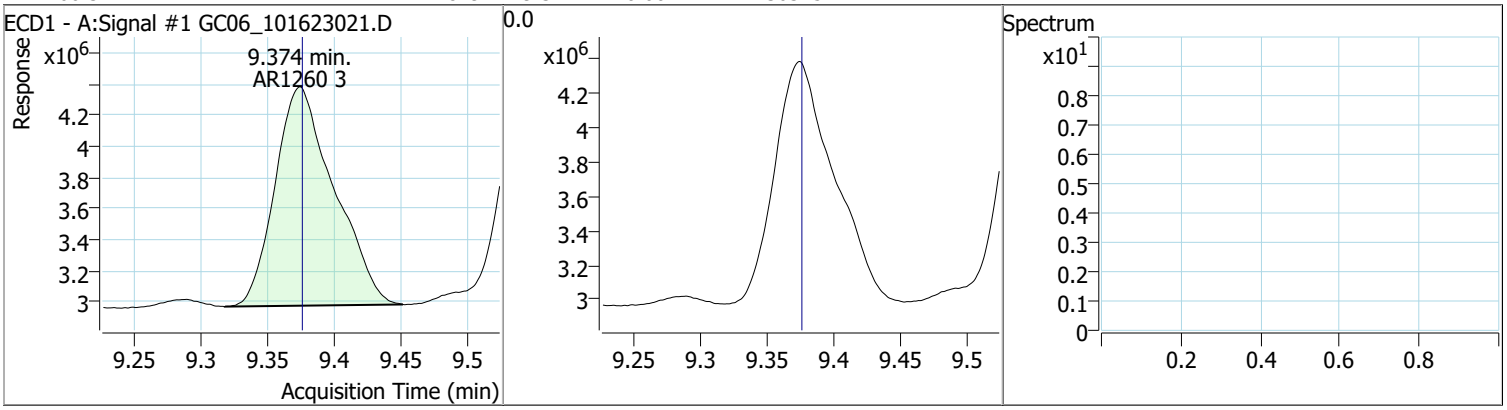
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	259.4642	8.36	0.00	2832476				



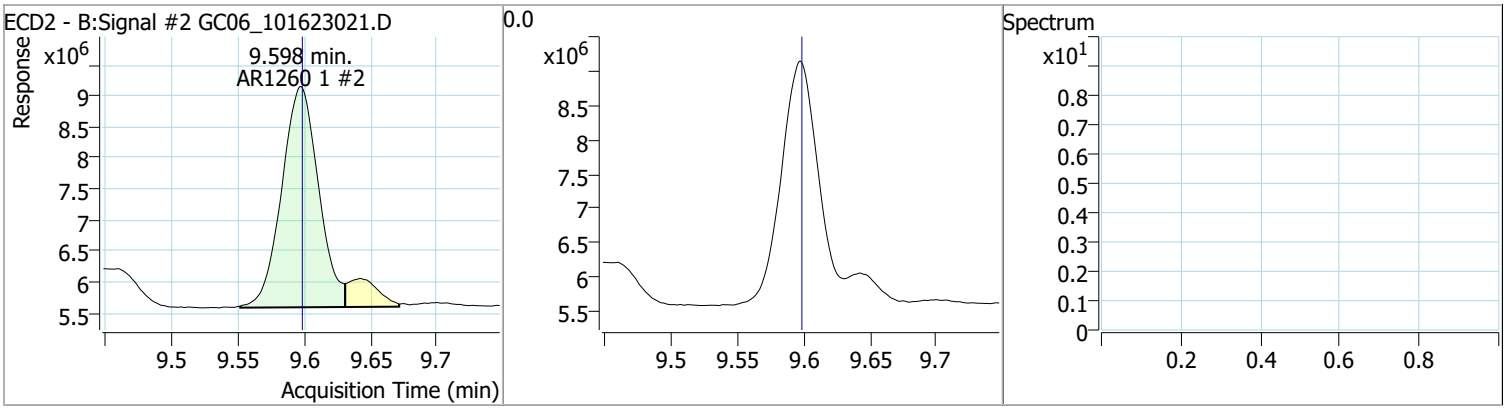
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	248.7892	8.89	0.00	4232067				



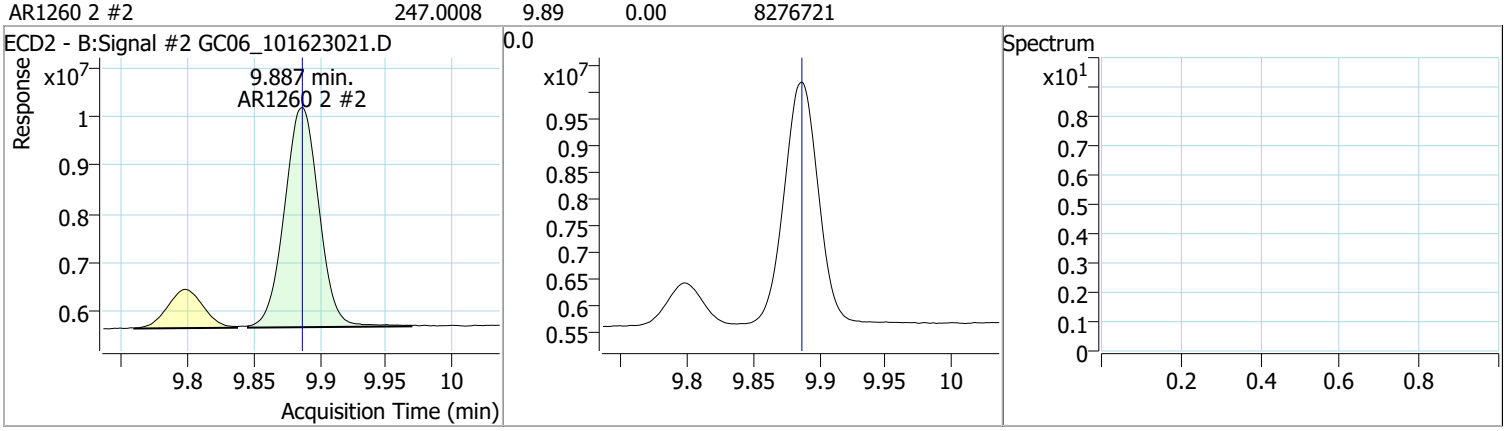
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	244.2819	9.37	0.00	4363452				



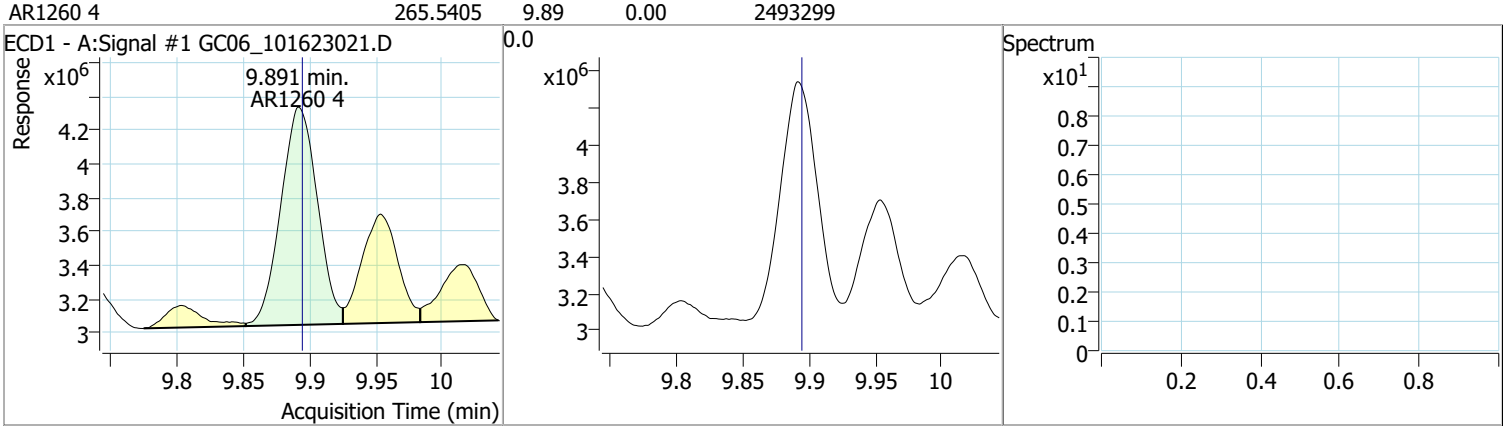
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	248.3678	9.60	0.00	6898074				



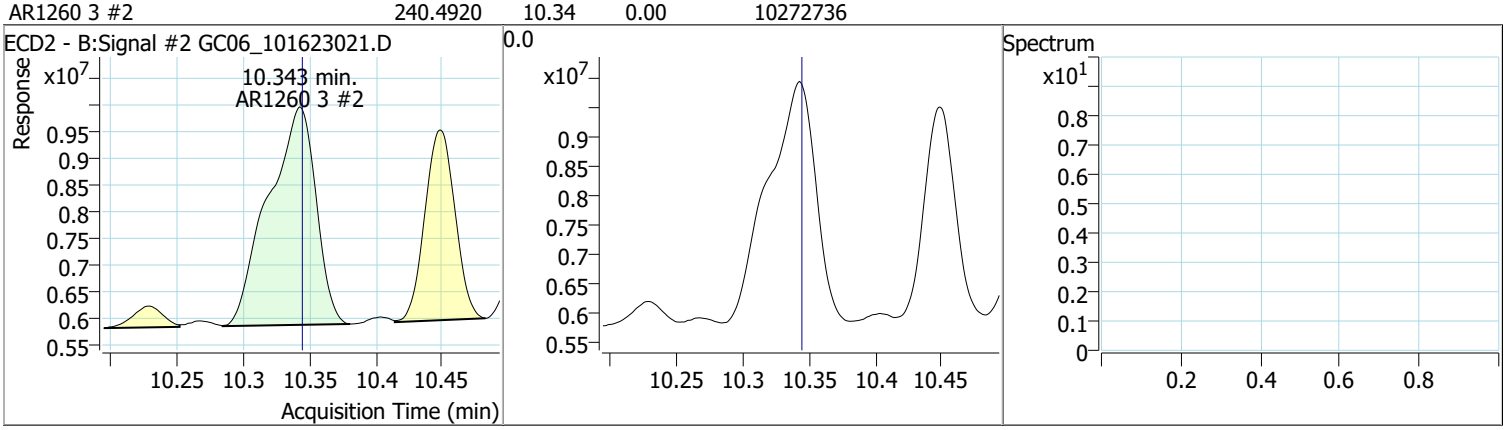
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	247.0008	9.89	0.00	8276721				



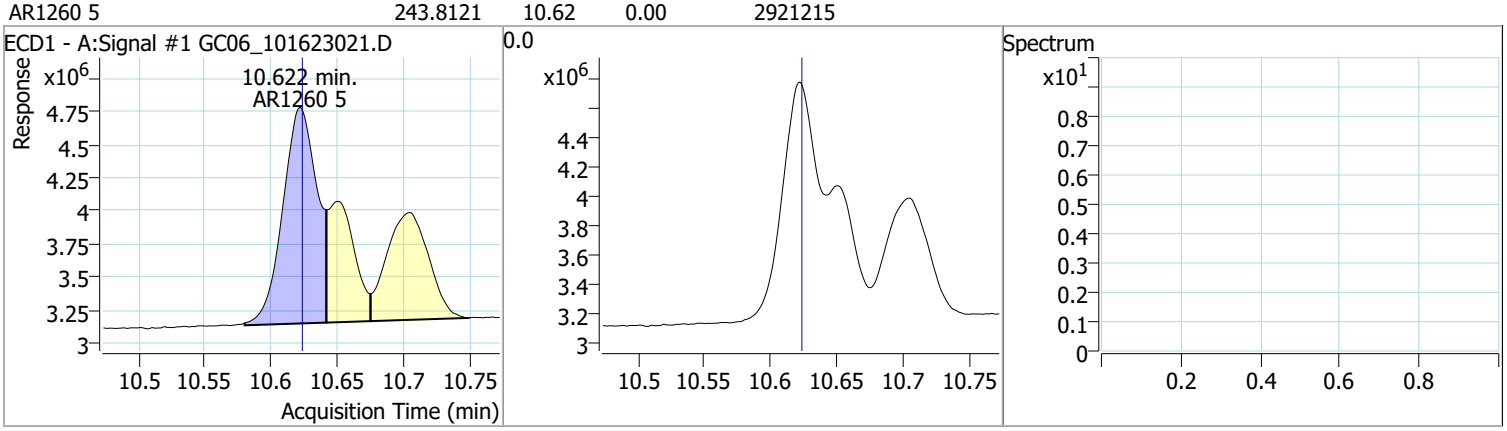
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	265.5405	9.89	0.00	2493299				



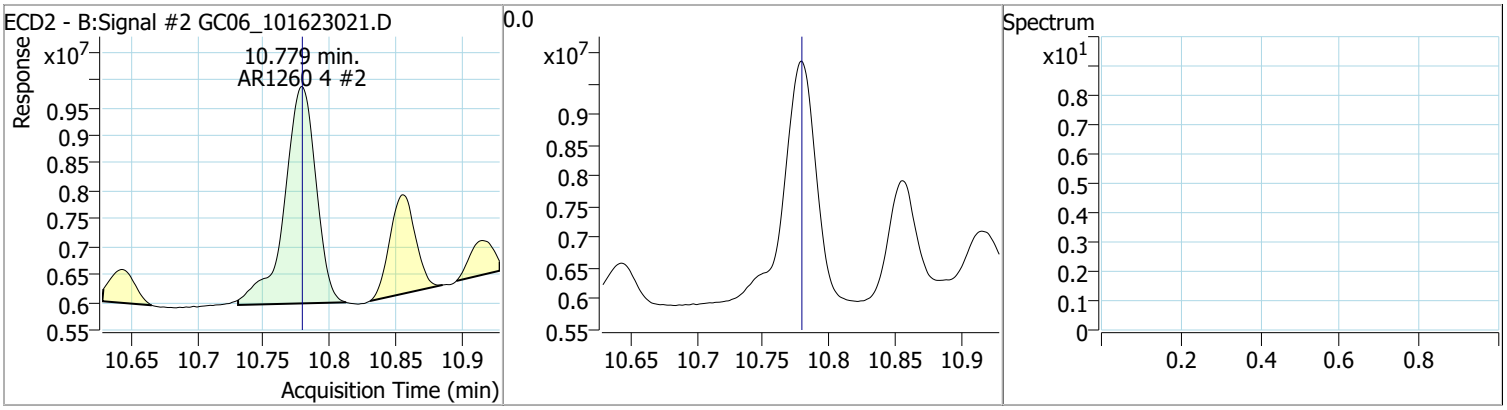
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	240.4920	10.34	0.00	10272736				



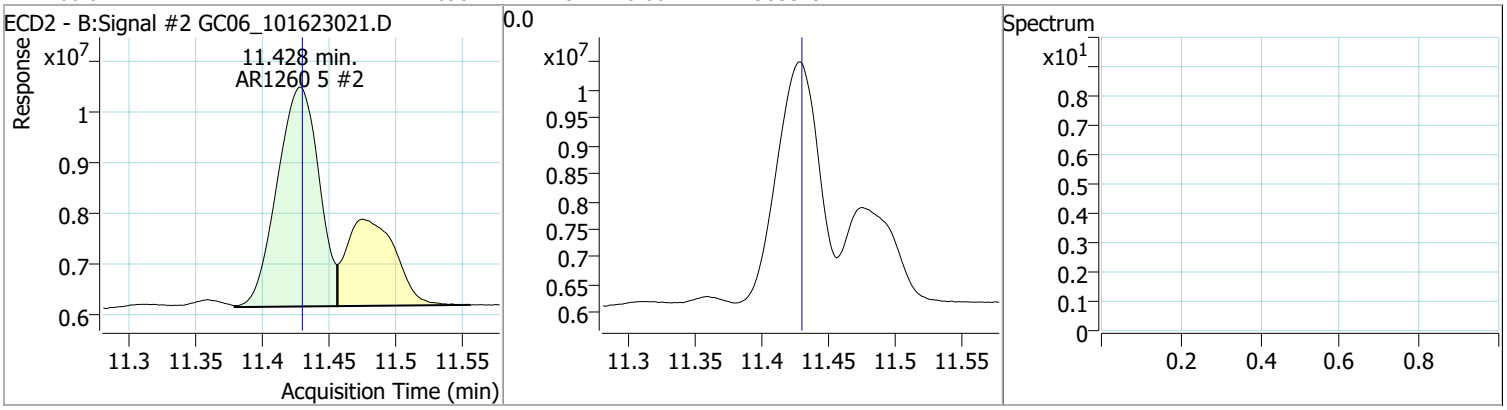
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	243.8121	10.62	0.00	2921215				



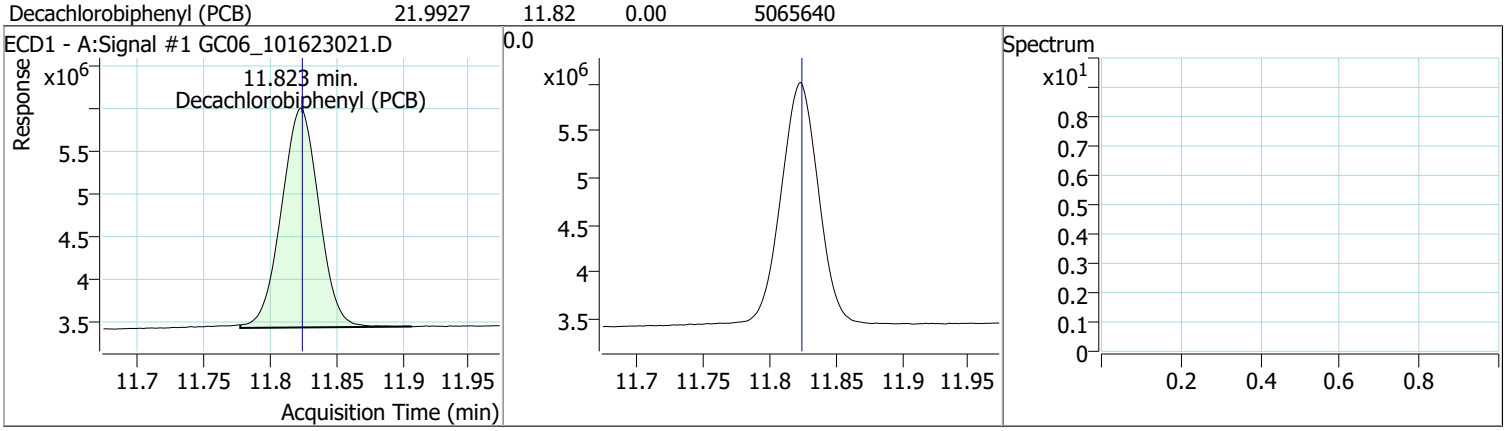
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	249.7943	10.78	0.00	6486959				



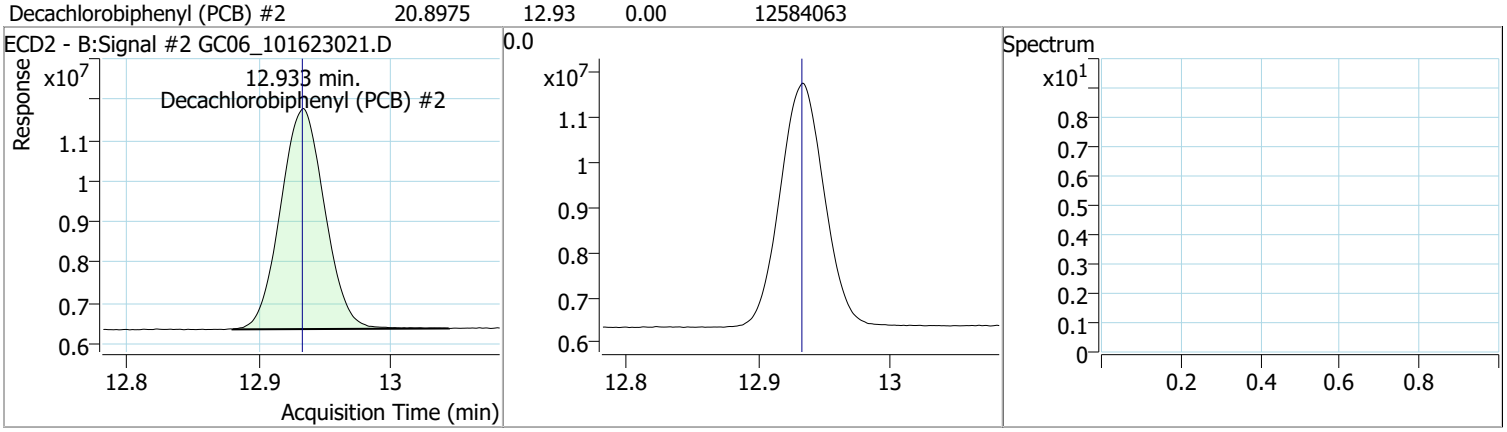
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	247.6937	11.43	0.00	9533291				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	21.9927	11.82	0.00	5065640				

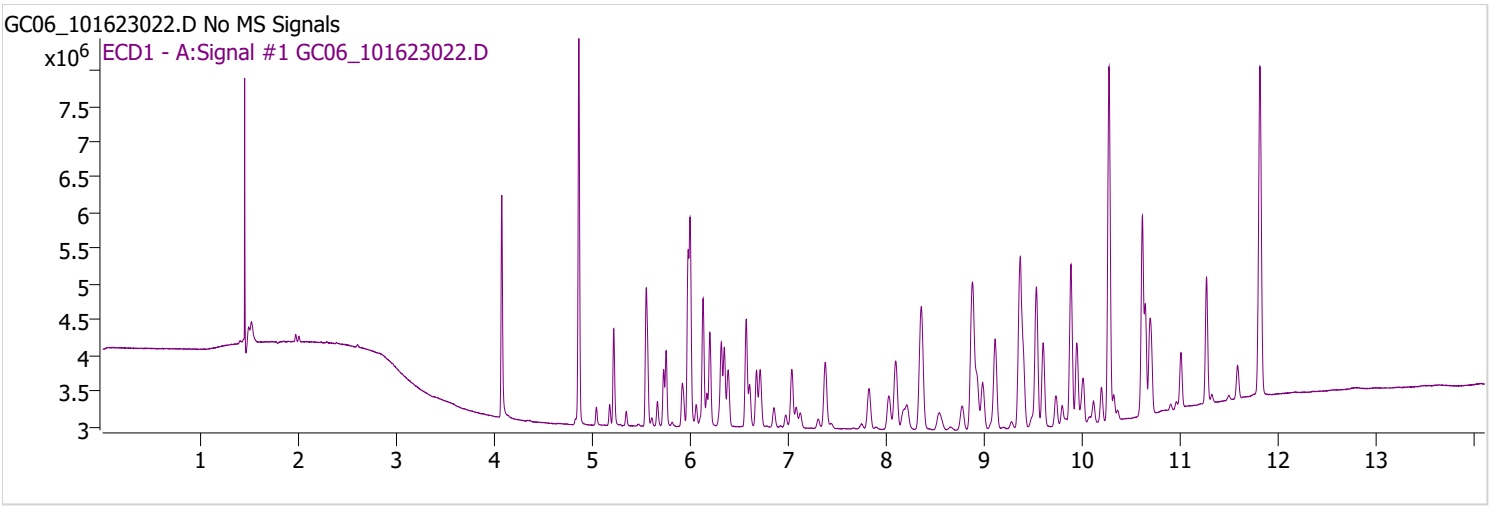


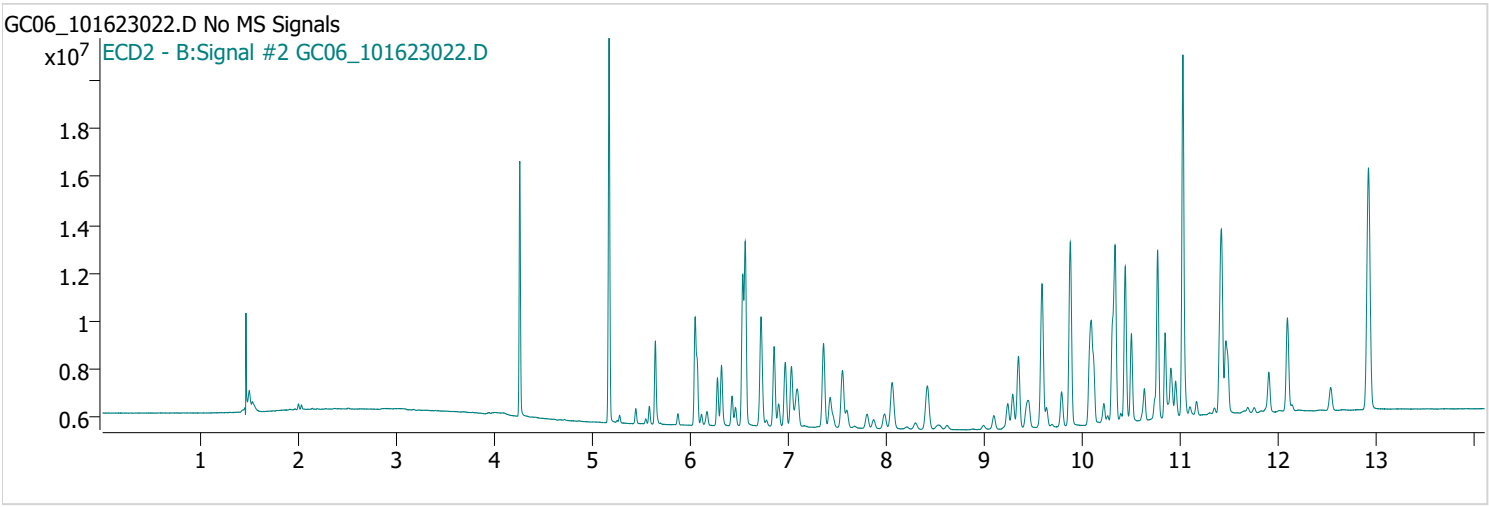
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.8975	12.93	0.00	12584063				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623022.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 3:41:20 PM
Sample Name	ICAL, S18459	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



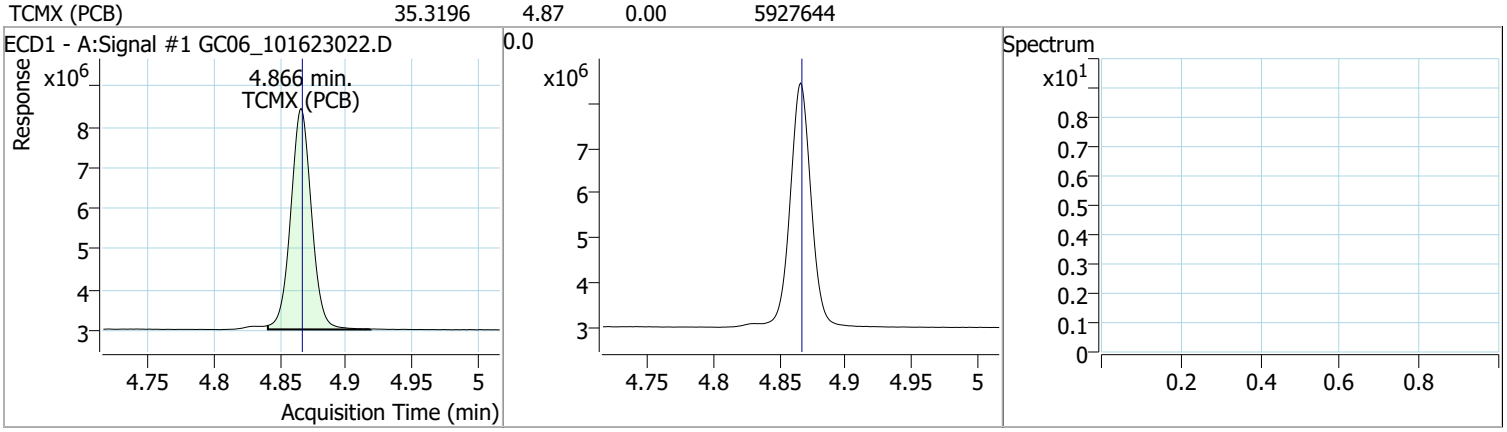


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3373162.493	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	9766720.453	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.866	0.0	5927644.420	35.3196	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.60%		*	
S TCMX (PCB) #2	5.174	0.0	16680790.736	36.3337	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.67%		*	
S Decachlorobiphenyl (PCB)	11.823	0.0	9149486.735	42.5206	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.60%		*	
S Decachlorobiphenyl (PCB) #2	12.932	0.0	23267005.402	41.5013	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.51%		*	
Target Compounds							QValue

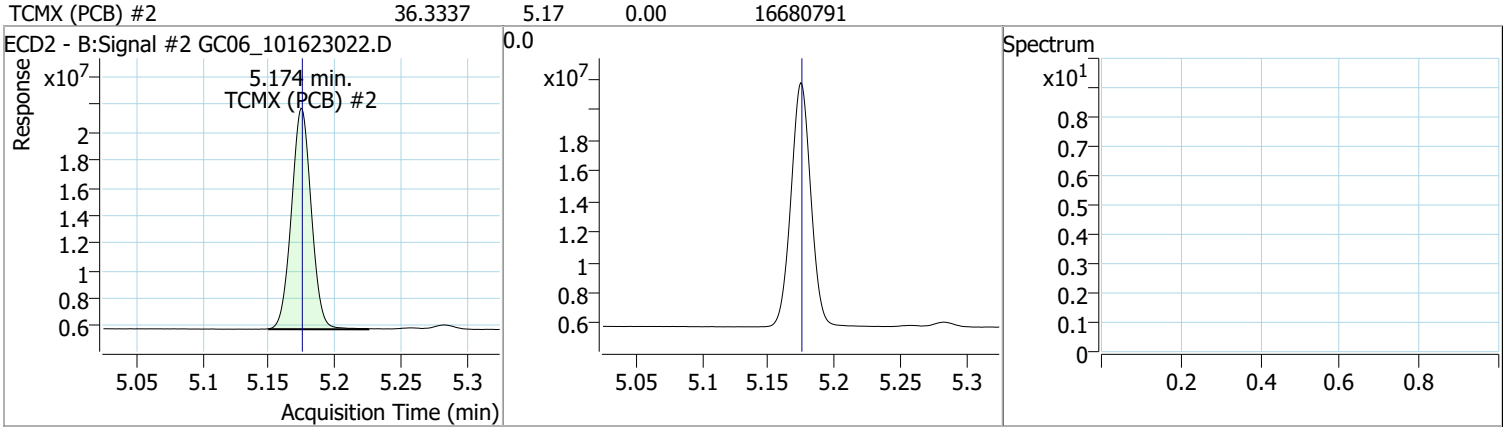
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.223	0.0	1774890.456	484.7998	ng/ml		100
T AR1016 2	5.555	0.0	3345121.641	455.2330	ng/ml		100
T AR1016 1 #2	5.648	0.0	4333688.235	479.8579	ng/ml		100
T AR1016 3	6.002	0.0	4348131.640	462.9109	ng/ml	m	100
T AR1016 2 #2	6.054	0.0	9052592.195	480.3112	ng/ml		100
T AR1016 4	6.135	0.0	2703341.310	459.3311	ng/ml		100
T AR1016 3 #2	6.565	0.0	11549920.345	460.5302	ng/ml		100
T AR1016 5	6.576	0.0	2485835.594	469.3687	ng/ml	m	100
T AR1016 4 #2	6.727	0.0	8201219.610	486.7765	ng/ml		100
T AR1016 5 #2	7.366	0.0	6598788.278	474.0863	ng/ml		100
T AR1260 1	8.364	0.0	4772604.331	467.9769	ng/ml		100
T AR1260 2	8.887	0.0	7226951.744	454.7700	ng/ml		100
T AR1260 3	9.375	0.0	7448722.800	446.3758	ng/ml		100
T AR1260 1 #2	9.598	0.0	12058804.976	466.3568	ng/ml		100
T AR1260 2 #2	9.886	0.0	14328336.760	459.2850	ng/ml		100
T AR1260 4	9.893	0.0	4228122.158	482.0162	ng/ml		100
T AR1260 3 #2	10.343	0.0	18338426.266	461.1298	ng/ml	m	100
T AR1260 5	10.623	0.0	4918024.093	439.3797	ng/ml		100
T AR1260 4 #2	10.778	0.0	11405187.772	471.7265	ng/ml		100
T AR1260 5 #2	11.429	0.0	16839266.029	469.9393	ng/ml		100

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

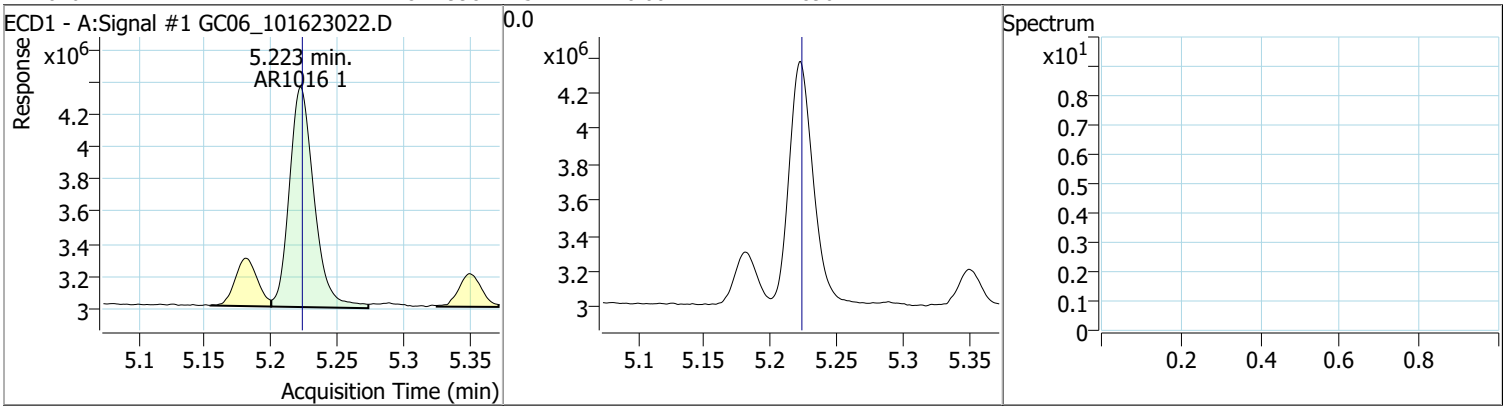
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.3196	4.87	0.00	5927644				



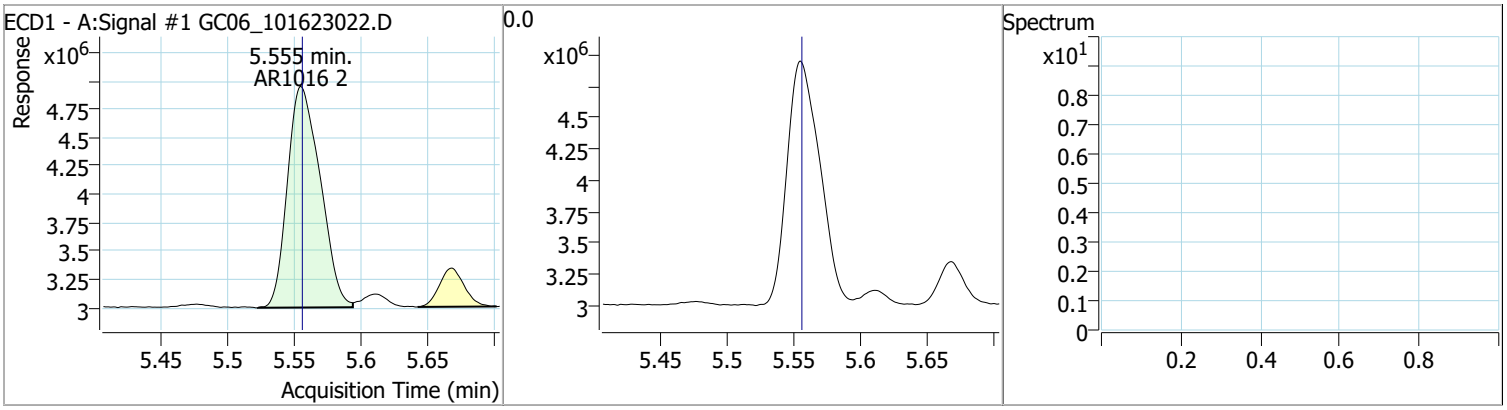
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.3337	5.17	0.00	16680791				



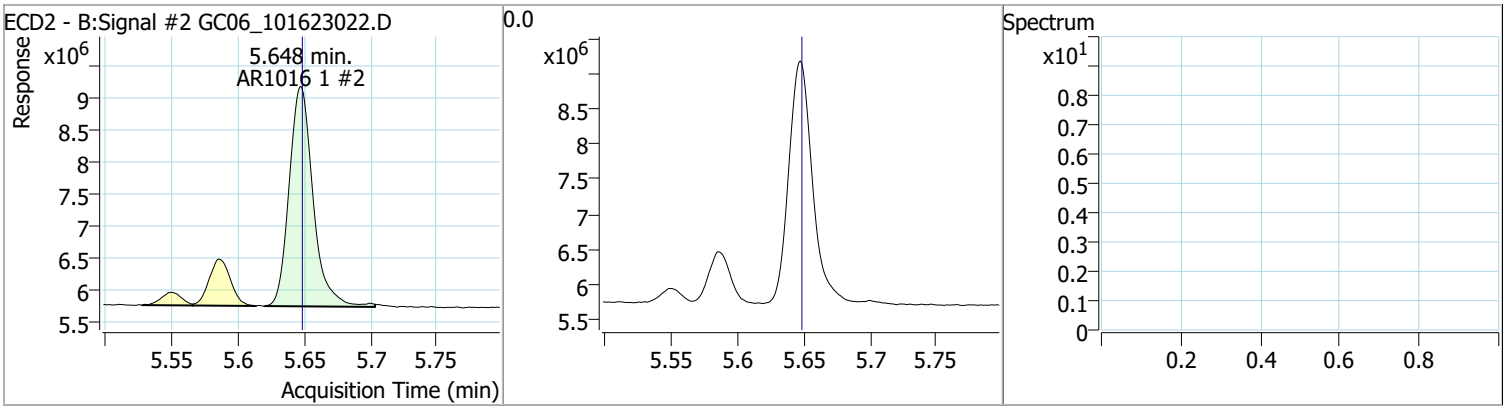
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	484.7998	5.22	0.00	1774890				



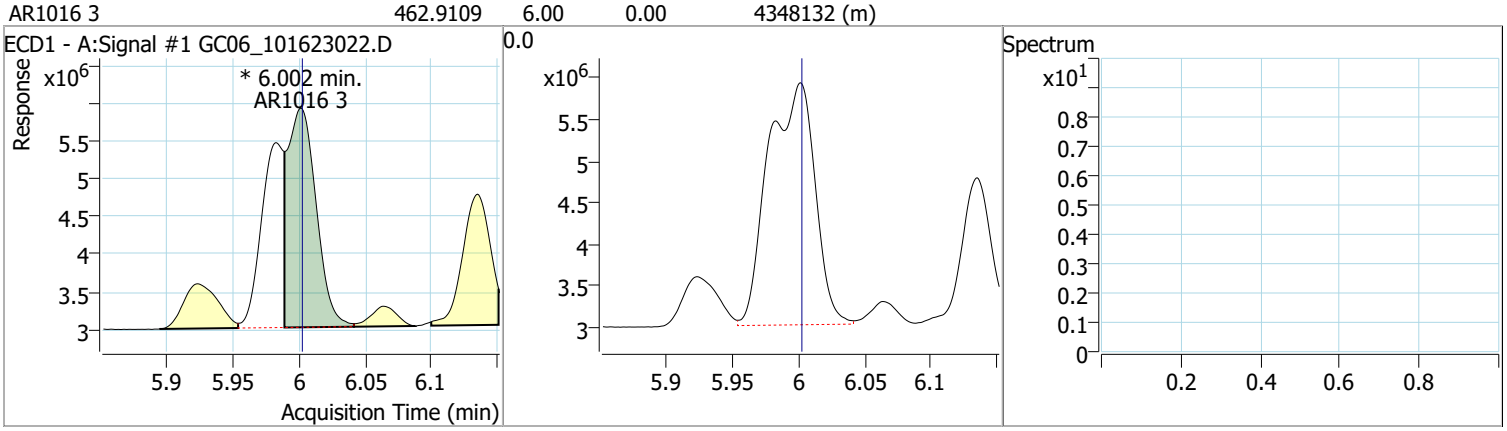
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	455.2330	5.56	0.00	3345122				



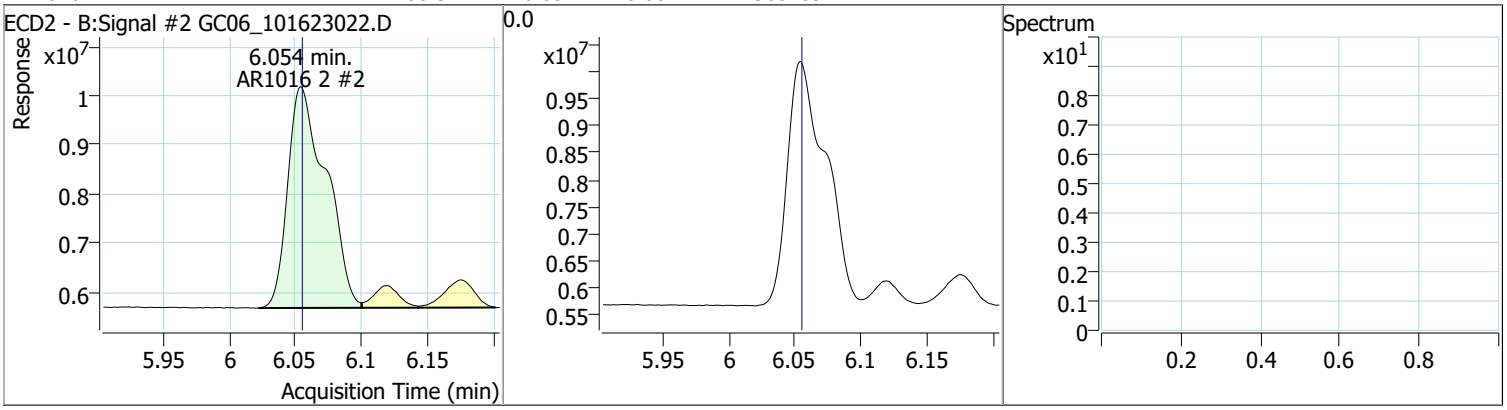
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	479.8579	5.65	0.00	4333688				



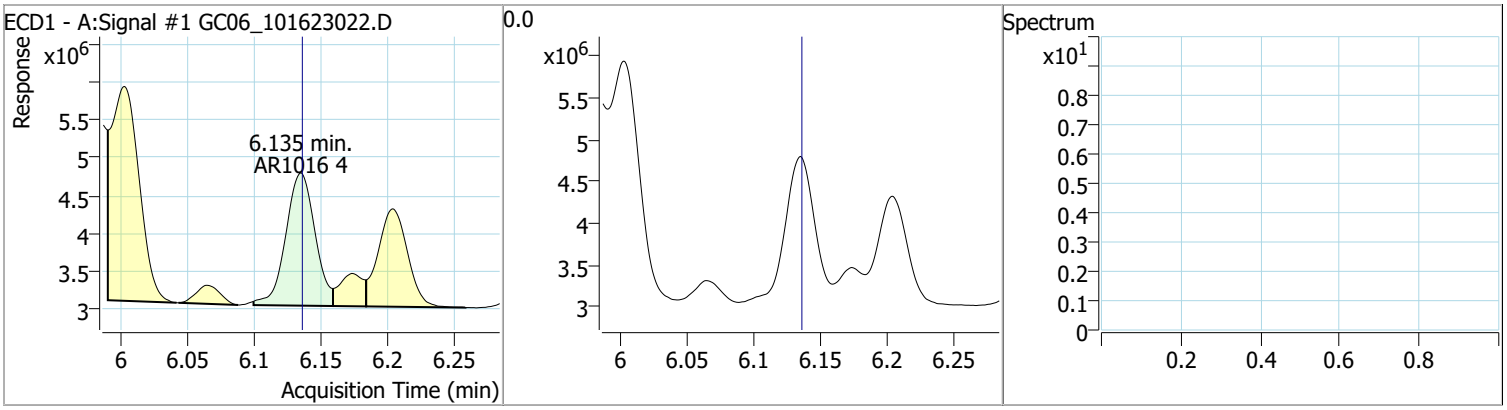
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	462.9109	6.00	0.00	4348132 (m)				



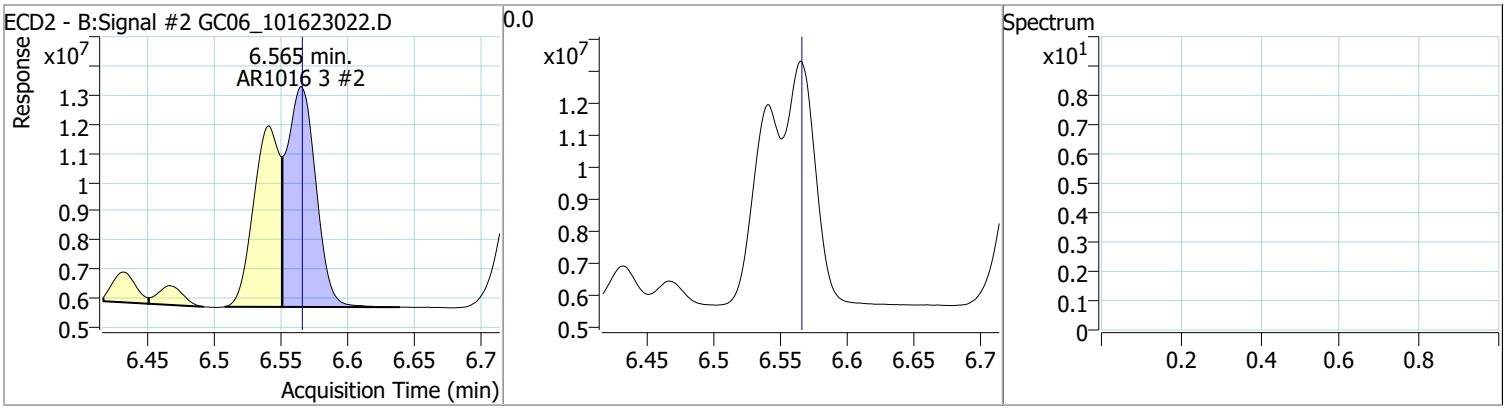
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	480.3112	6.05	0.00	9052592				



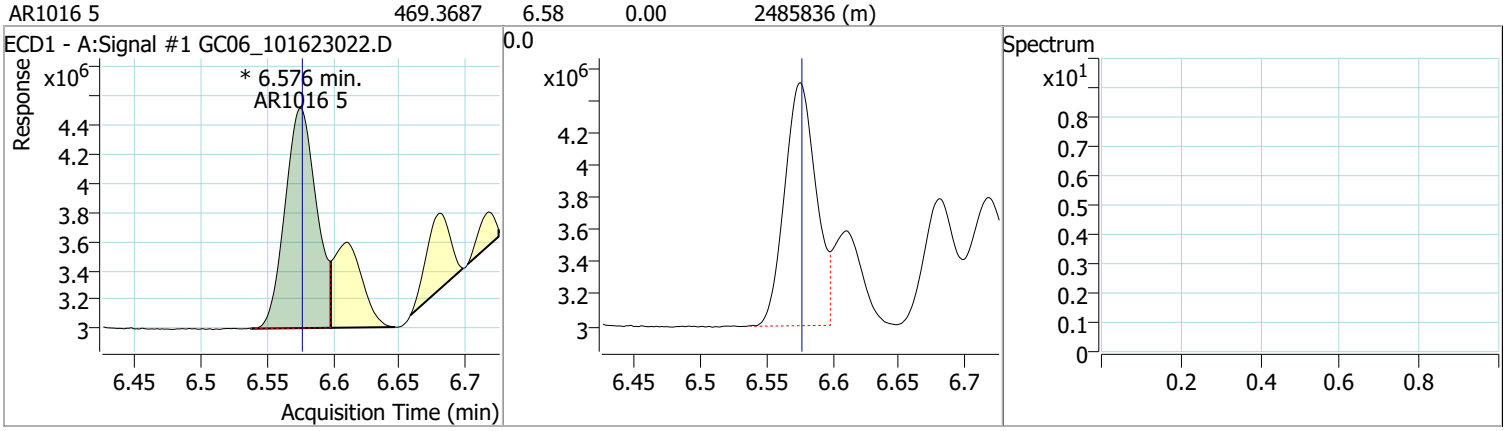
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	459.3311	6.14	0.00	2703341				



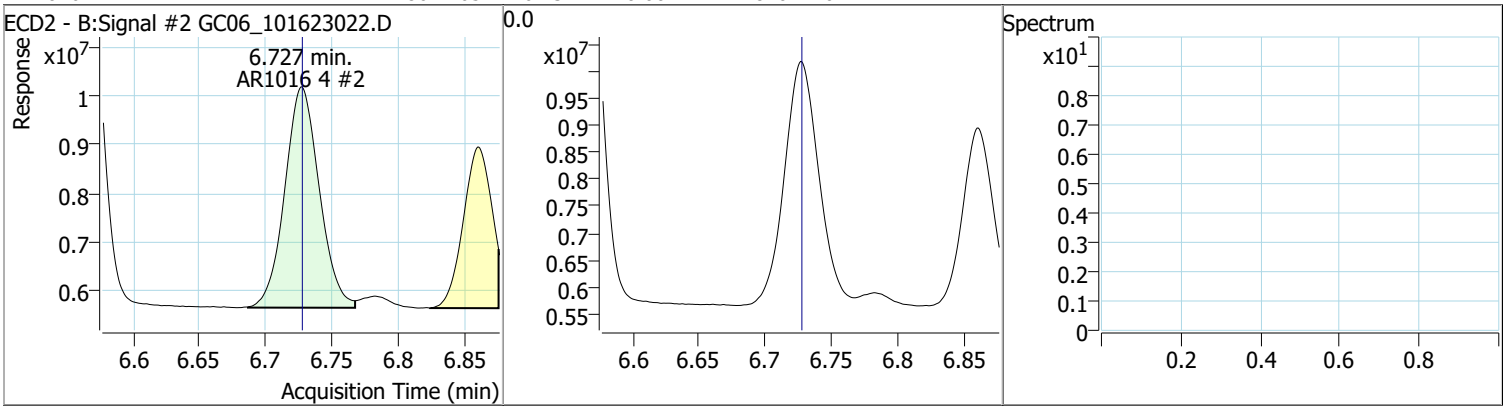
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	460.5302	6.57	0.00	11549920				



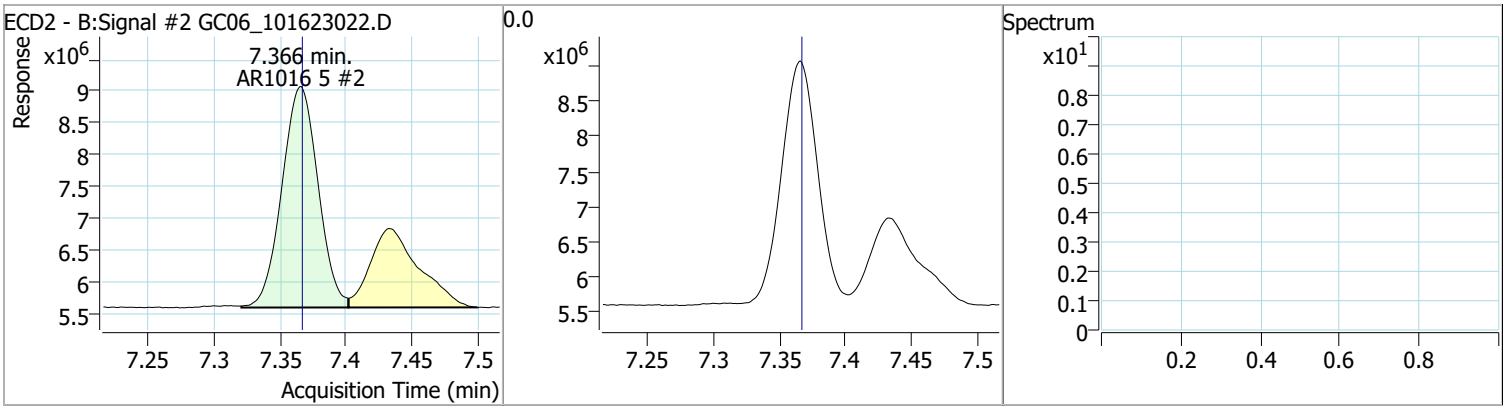
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	469.3687	6.58	0.00	2485836 (m)				



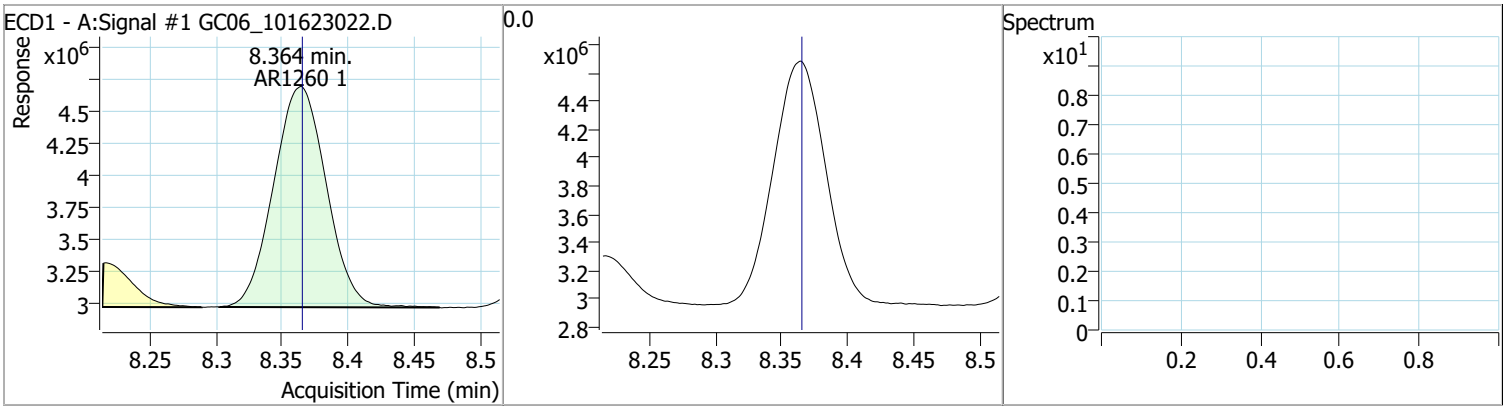
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	486.7765	6.73	0.00	8201220				



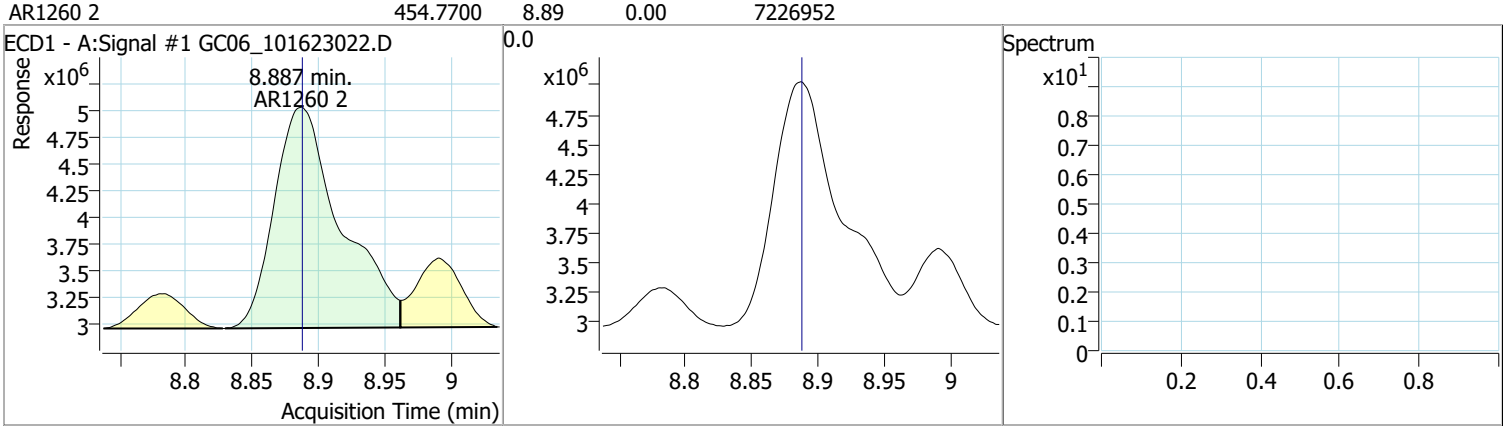
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	474.0863	7.37	0.00	6598788				



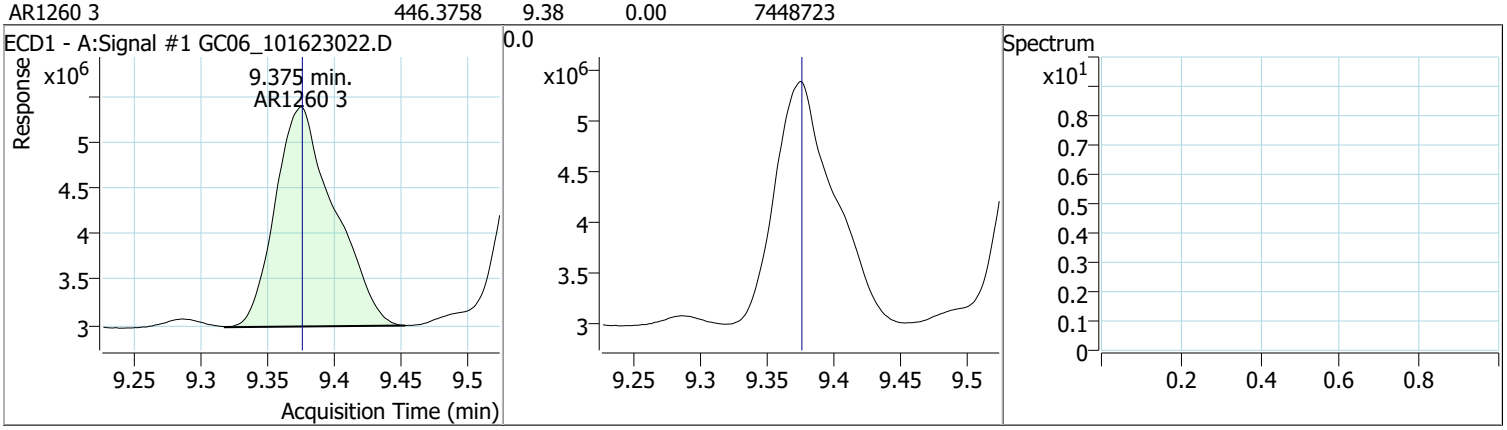
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	467.9769	8.36	0.00	4772604				



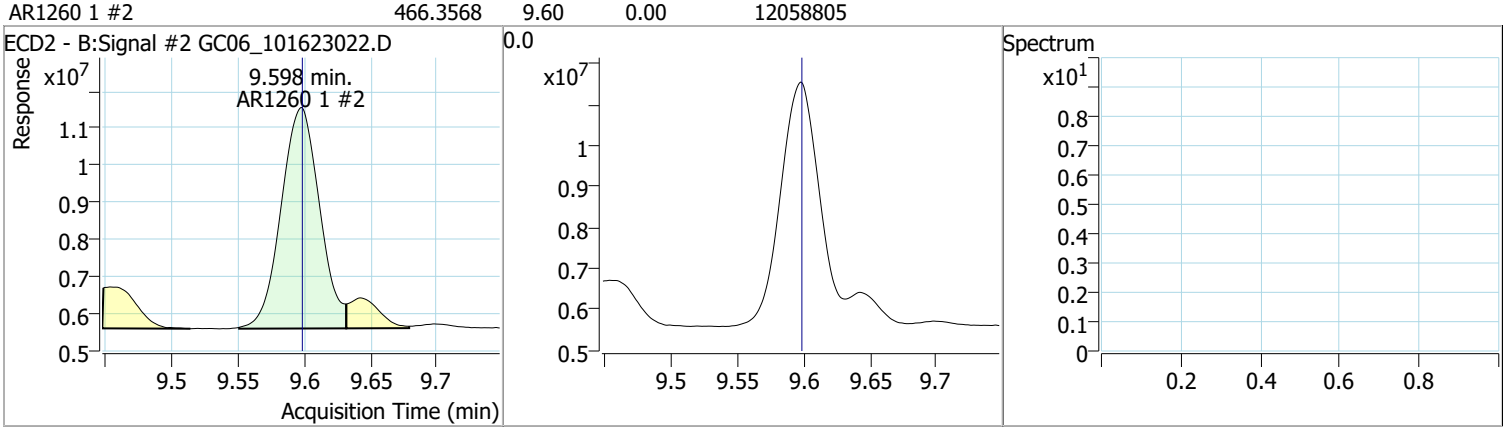
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	454.7700	8.89	0.00	7226952				



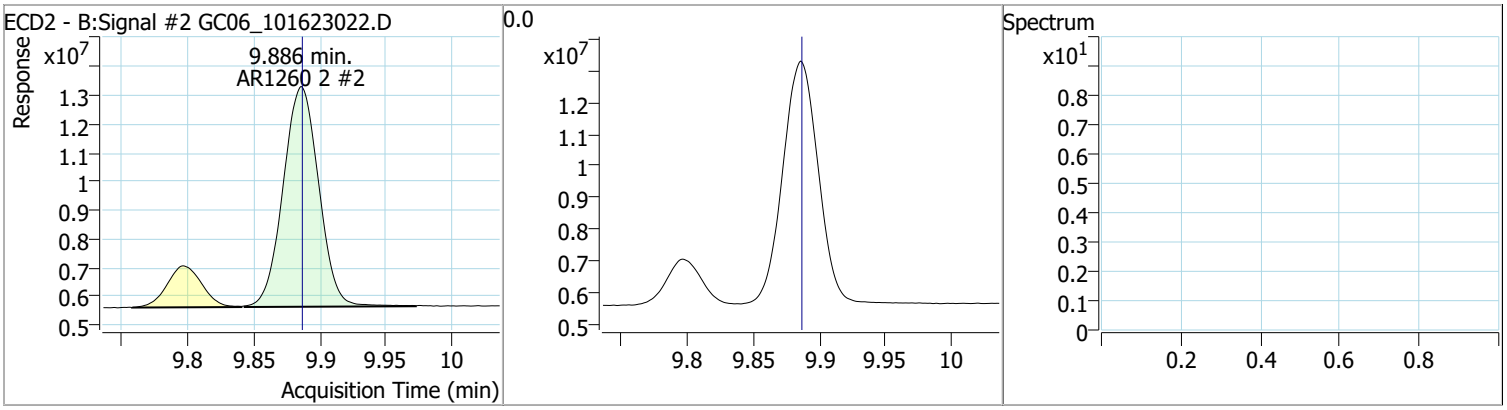
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	446.3758	9.38	0.00	7448723				



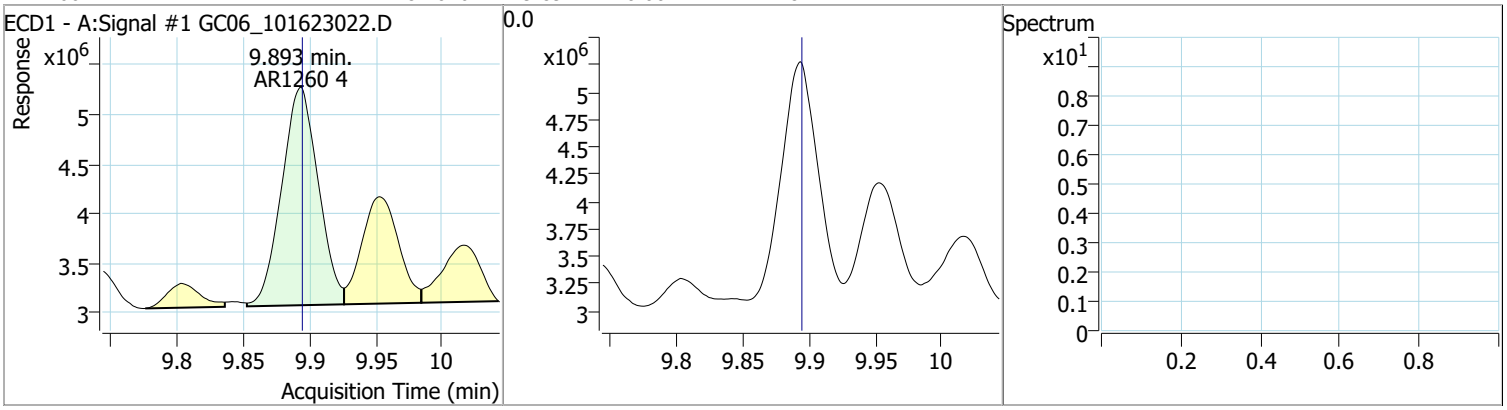
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	466.3568	9.60	0.00	12058805				



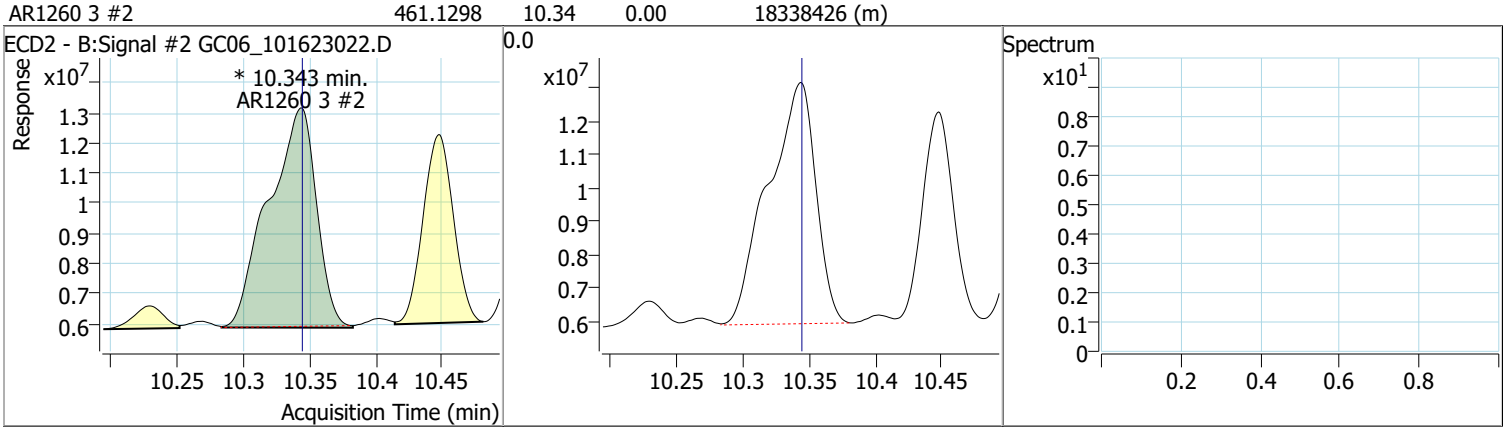
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	459.2850	9.89	0.00	14328337				



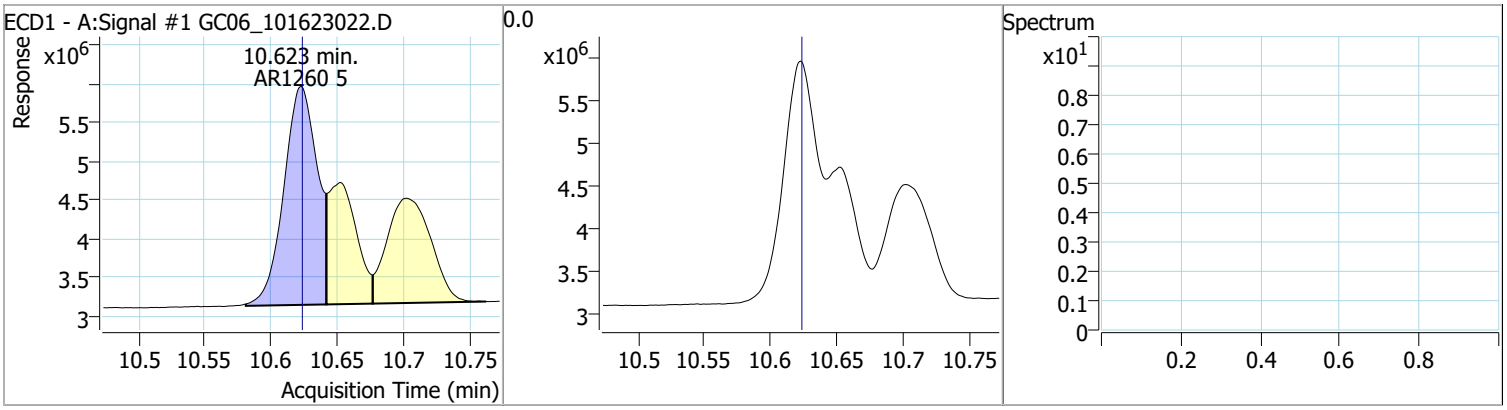
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	482.0162	9.89	0.00	4228122				



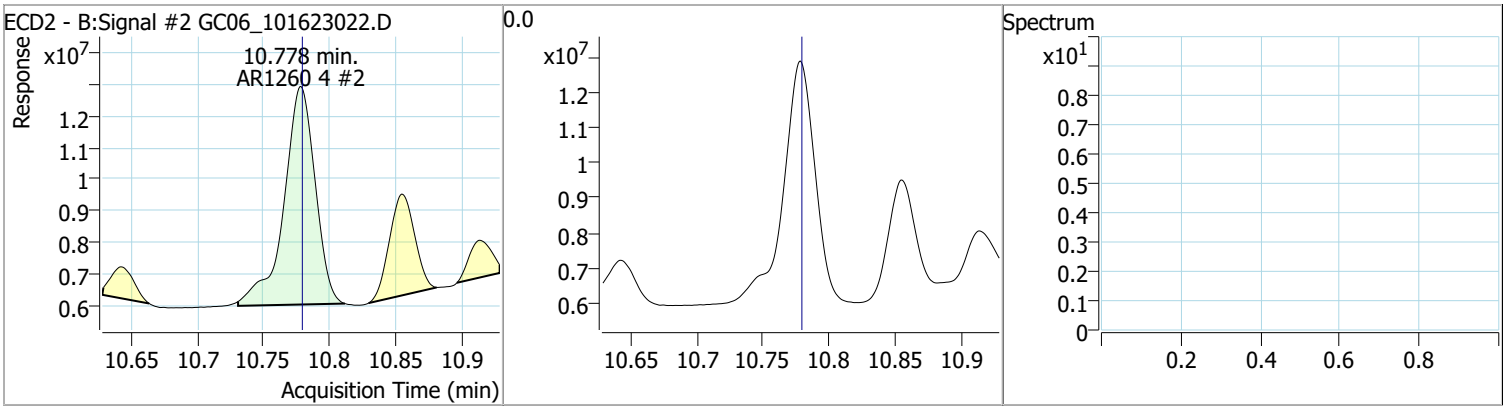
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	461.1298	10.34	0.00	18338426 (m)				



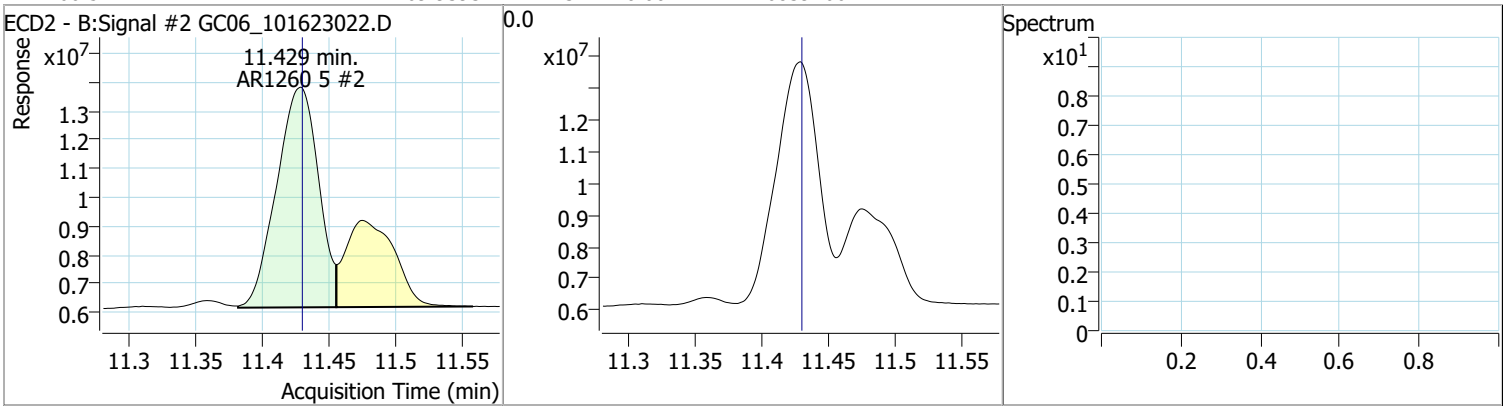
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	439.3797	10.62	0.00	4918024				



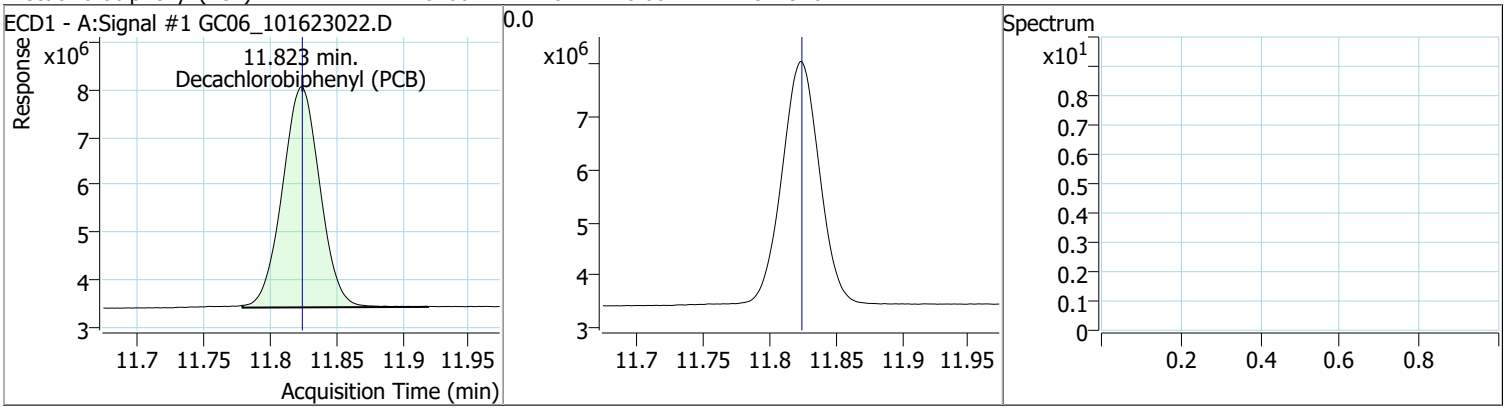
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	471.7265	10.78	0.00	11405188				



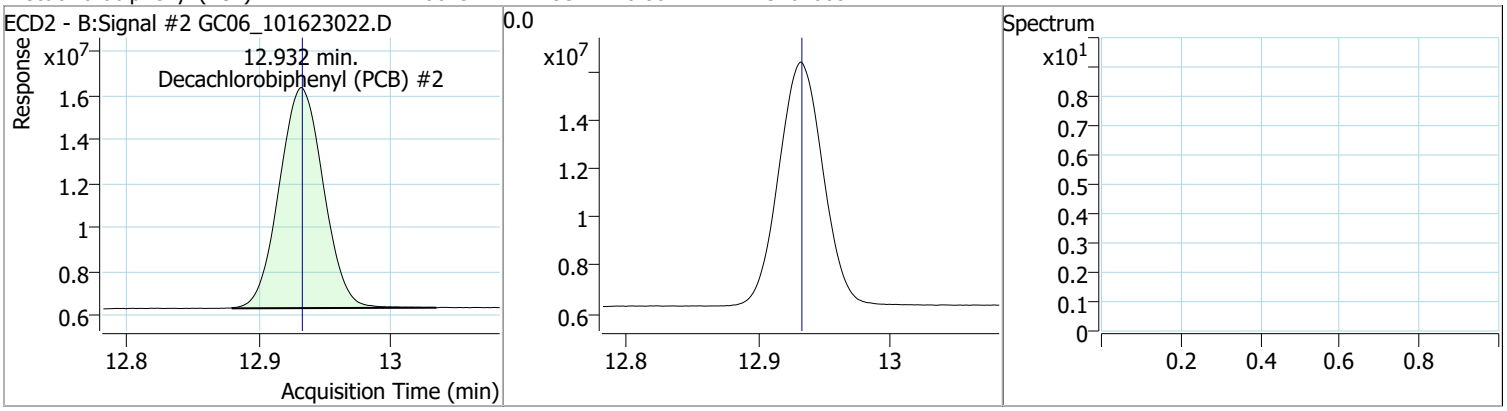
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	469.9393	11.43	0.00	16839266				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.5206	11.82	0.00	9149487				

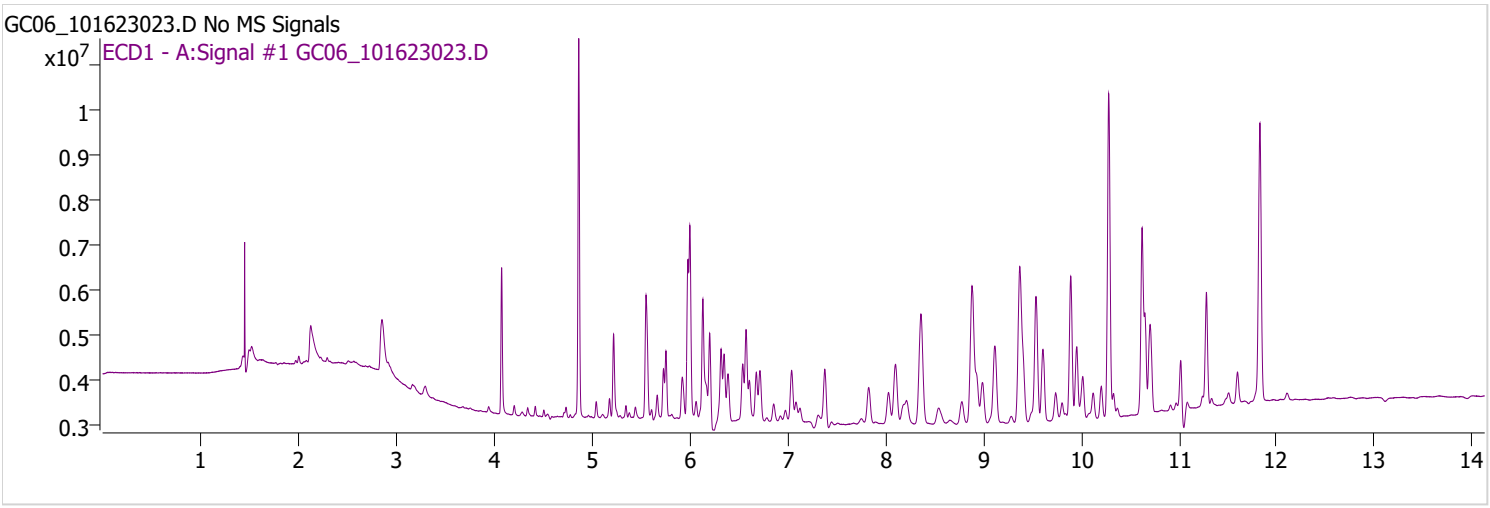


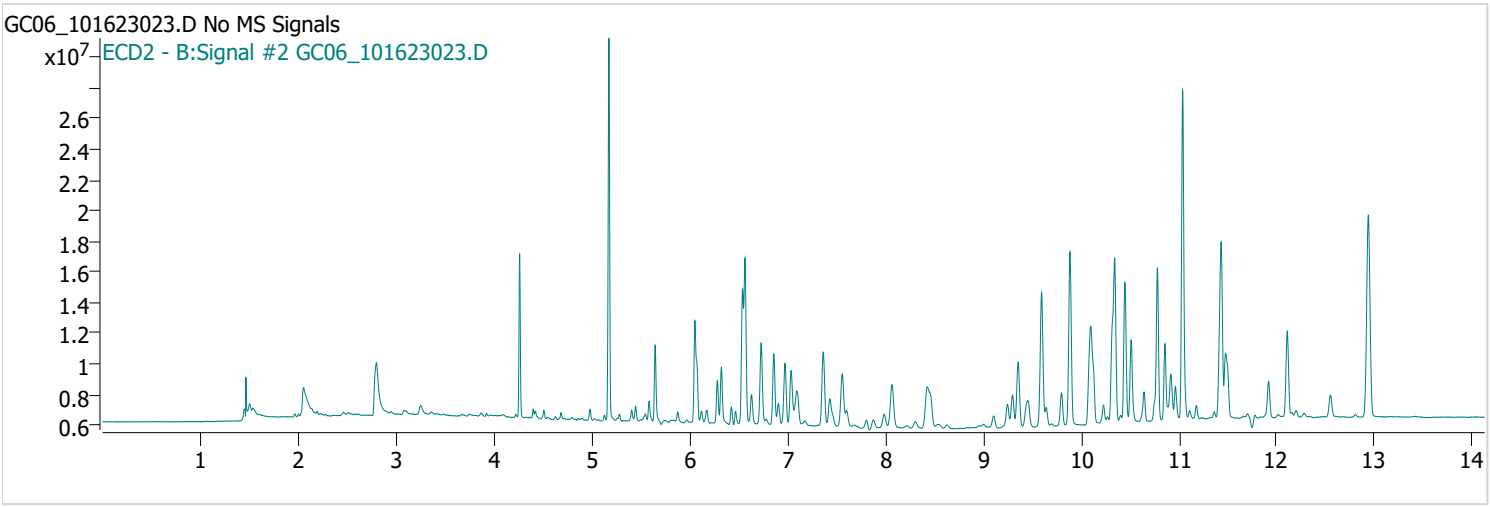
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.5013	12.93	0.00	23267005				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623023.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 4:01:34 PM
Sample Name	ICAL, S18460	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	150 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



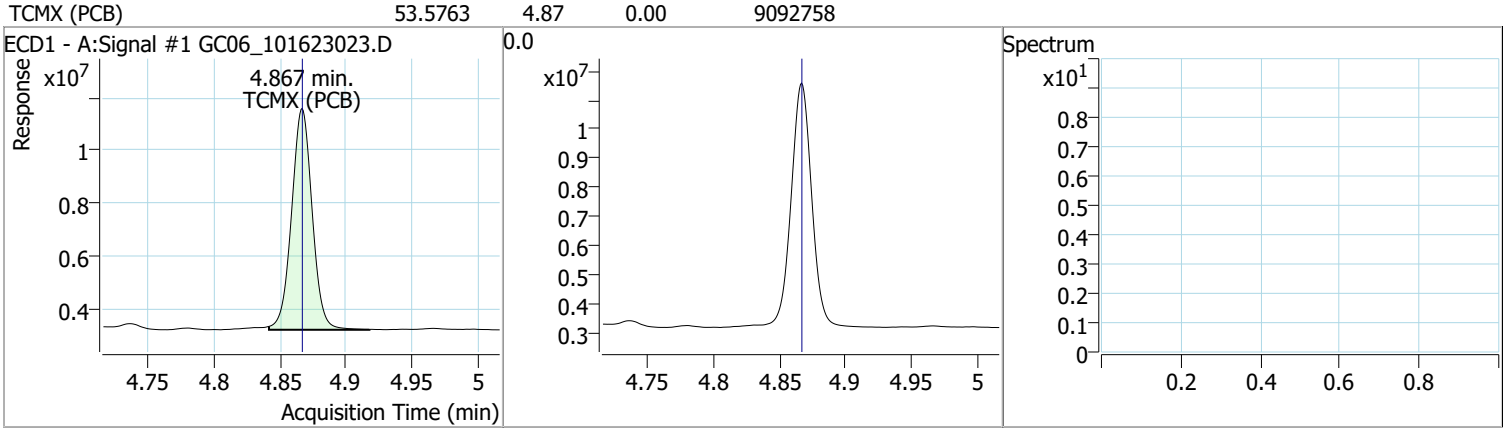


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3411095.103	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10002704.511	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.867	0.0	9092758.361	53.5763	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 267.88%		*	
S TCMX (PCB) #2	5.174	0.0	26854495.527	57.1138	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 285.57%		*	
S Decachlorobiphenyl (PCB)	11.828	0.0	12455719.189	57.2420	ng/ml		0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 286.21%		*	
S Decachlorobiphenyl (PCB) #2	12.934	0.0	31411987.791	54.7076	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 273.54%		*	
Target Compounds							QValue

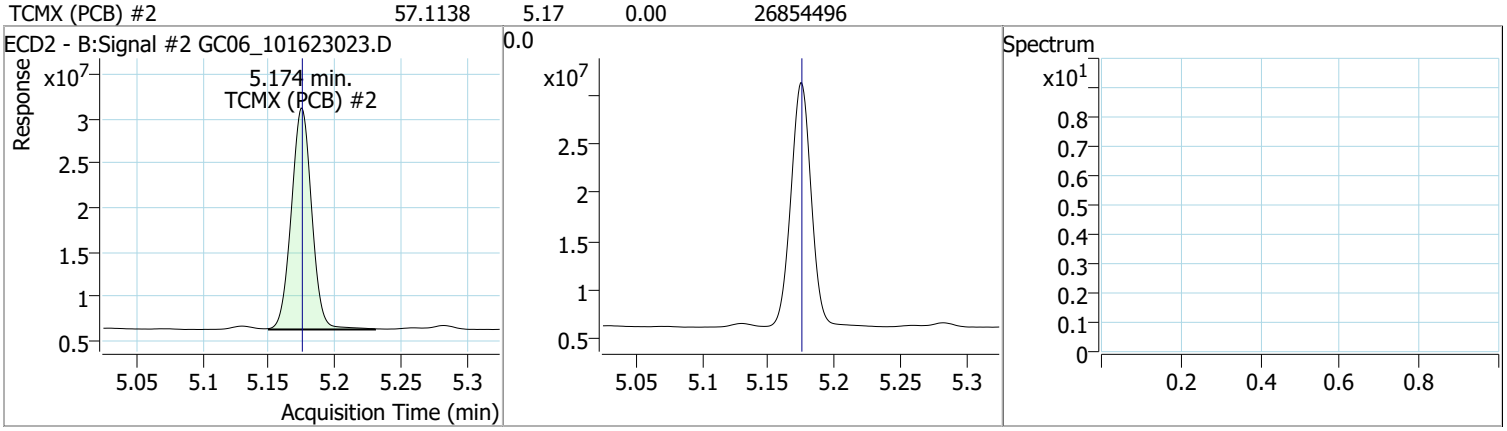
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.223	0.0	2565988.886	693.0892	ng/ml		100
T AR1016 2	5.554	0.0	4781200.290	643.4313	ng/ml		100
T AR1016 1 #2	5.648	0.0	6686556.333	722.9176	ng/ml		100
T AR1016 3	6.002	0.0	5869743.467	617.9557	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	13029538.253	675.0099	ng/ml		100
T AR1016 4	6.135	0.0	4505311.007	756.9953	ng/ml	m	100
T AR1016 3 #2	6.565	0.0	17014756.808	662.4243	ng/ml		100
T AR1016 5	6.576	0.0	3270917.711	610.7378	ng/ml		100
T AR1016 4 #2	6.730	0.0	9016310.129	522.5301	ng/ml		100
T AR1016 5 #2	7.364	0.0	9512691.170	667.3105	ng/ml		100
T AR1260 1	8.363	0.0	6628649.091	642.7431	ng/ml		100
T AR1260 2	8.885	0.0	10259045.154	638.3914	ng/ml		100
T AR1260 3	9.373	0.0	10802154.609	640.1366	ng/ml		100
T AR1260 1 #2	9.596	0.0	17427915.046	658.0983	ng/ml		100
T AR1260 2 #2	9.886	0.0	20720397.345	648.5088	ng/ml		100
T AR1260 4	9.894	0.0	5862813.479	660.9424	ng/ml		100
T AR1260 3 #2	10.343	0.0	26476991.014	650.0714	ng/ml	m	100
T AR1260 5	10.623	0.0	7657455.170	676.5148	ng/ml	m	100
T AR1260 4 #2	10.779	0.0	16214086.226	654.8045	ng/ml		100
T AR1260 5 #2	11.431	0.0	24690483.217	672.7900	ng/ml		100

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

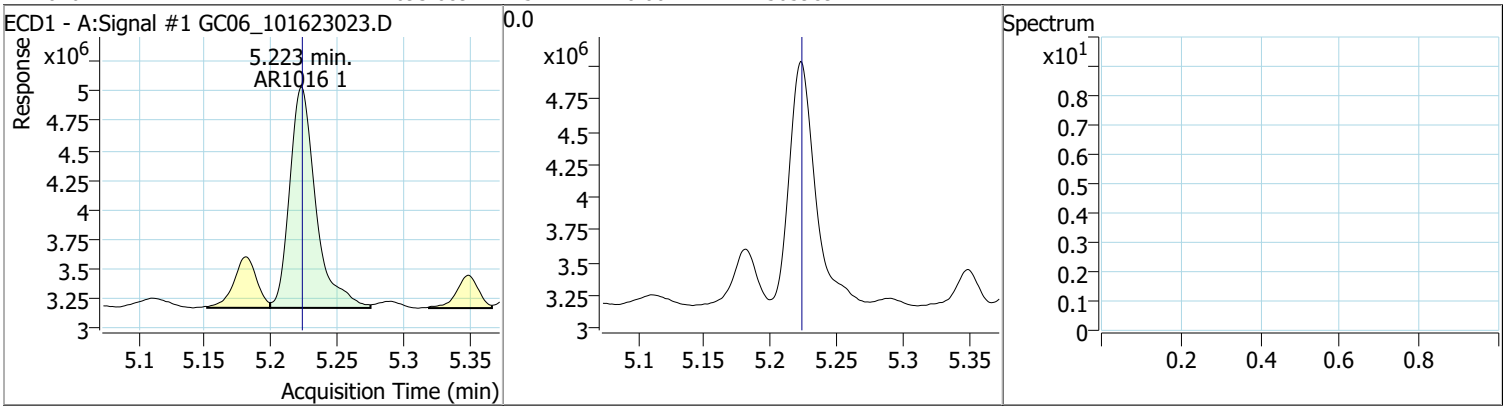
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	53.5763	4.87	0.00	9092758				



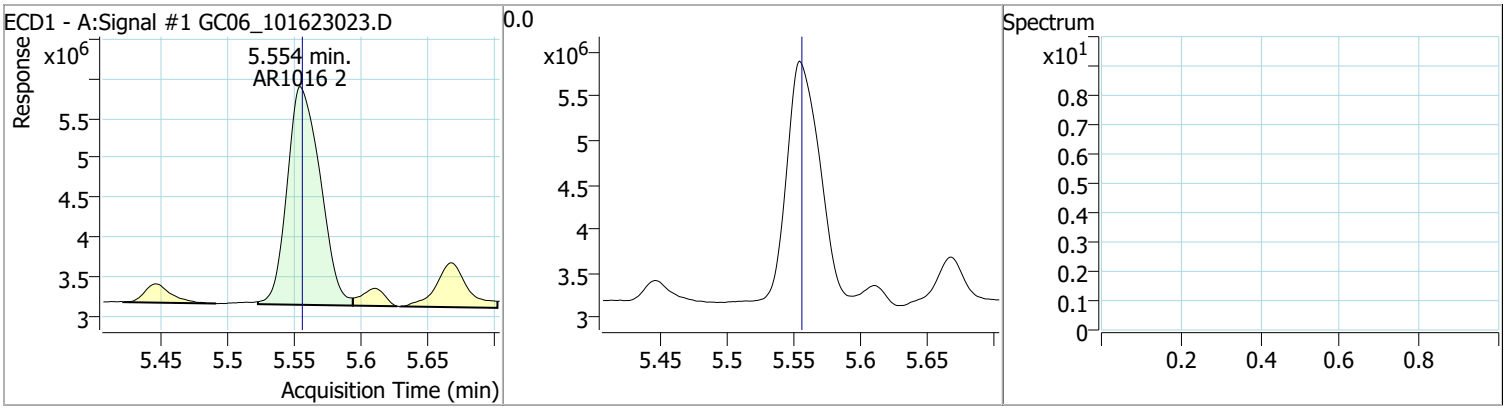
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	57.1138	5.17	0.00	26854496				



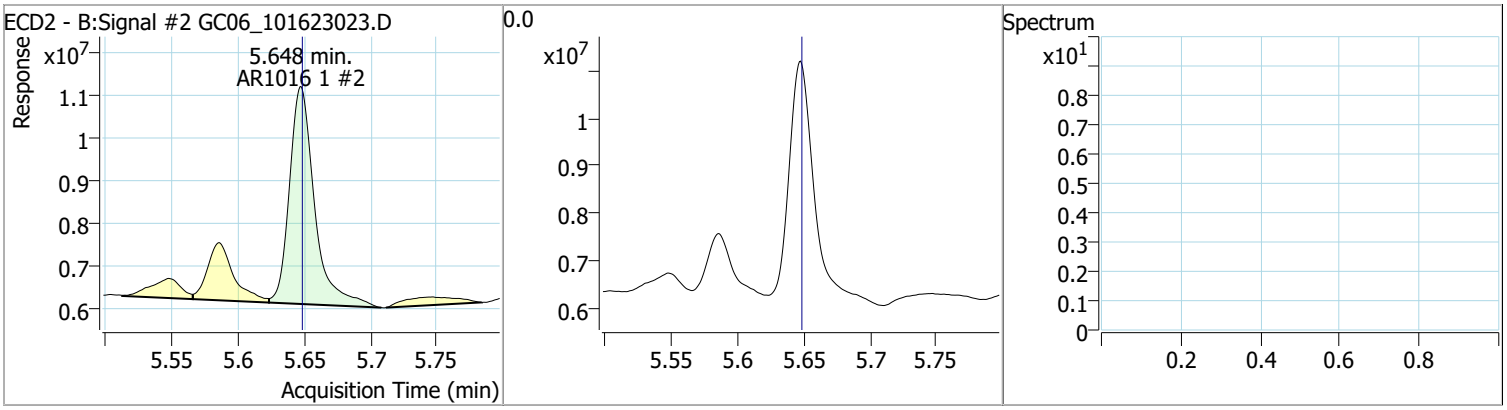
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	693.0892	5.22	0.00	2565989				



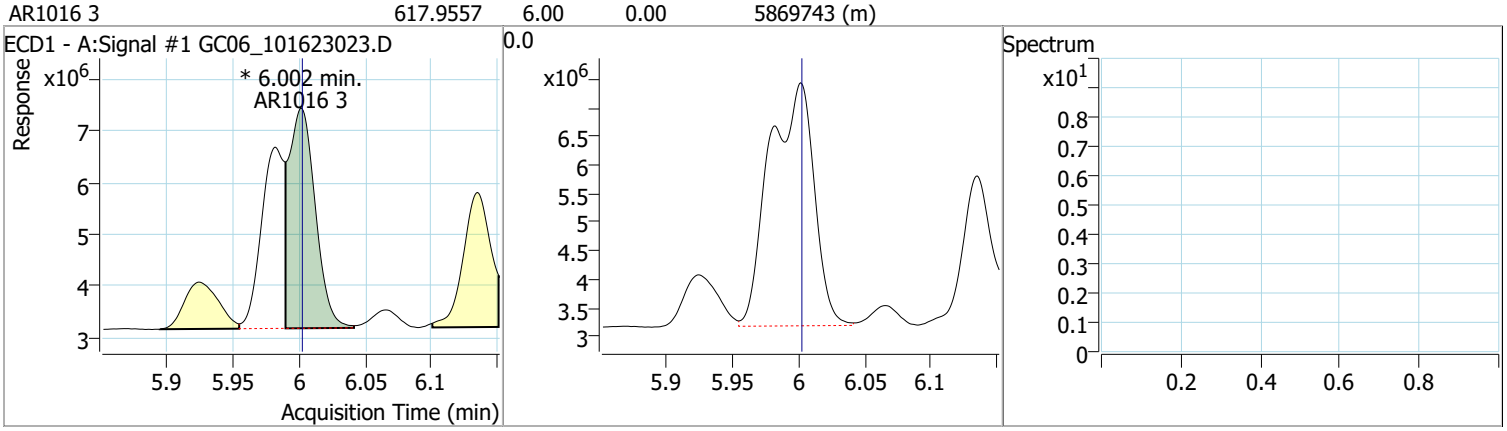
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	643.4313	5.55	0.00	4781200				



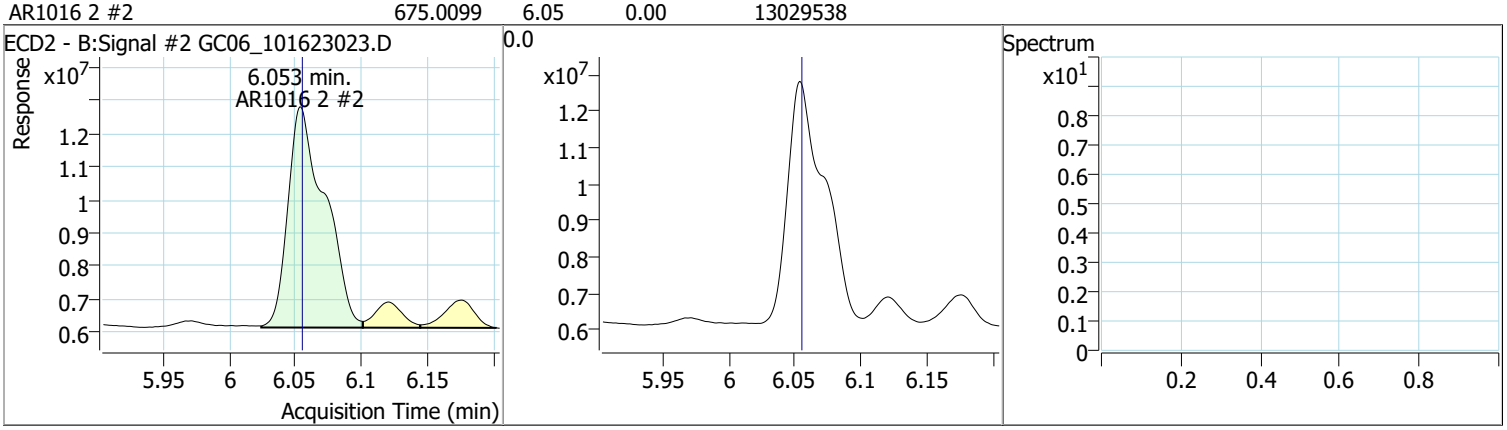
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	722.9176	5.65	0.00	6686556				



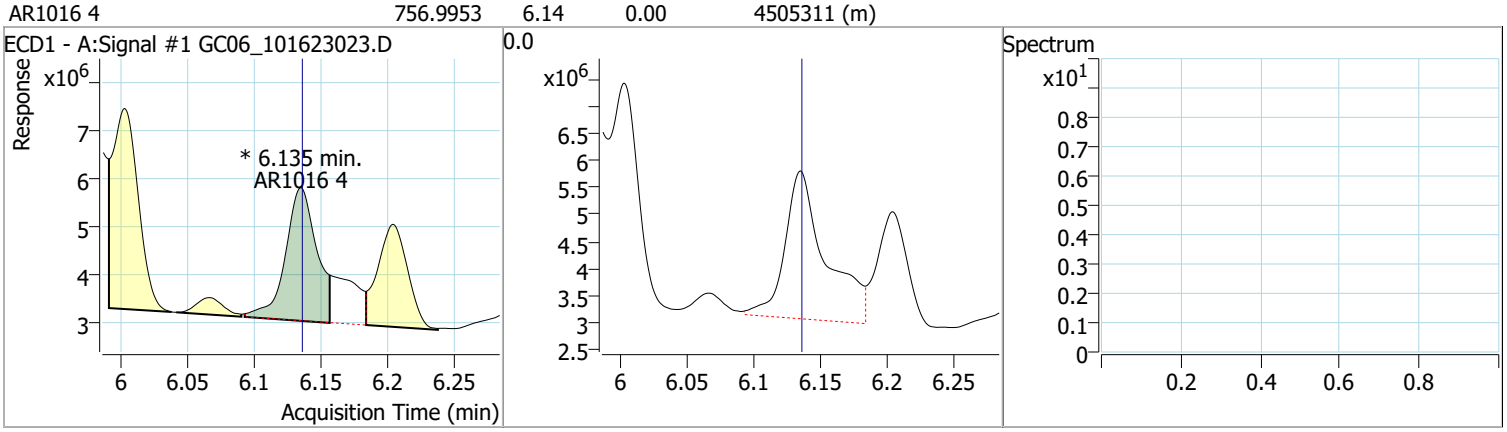
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	617.9557	6.00	0.00	5869743 (m)				



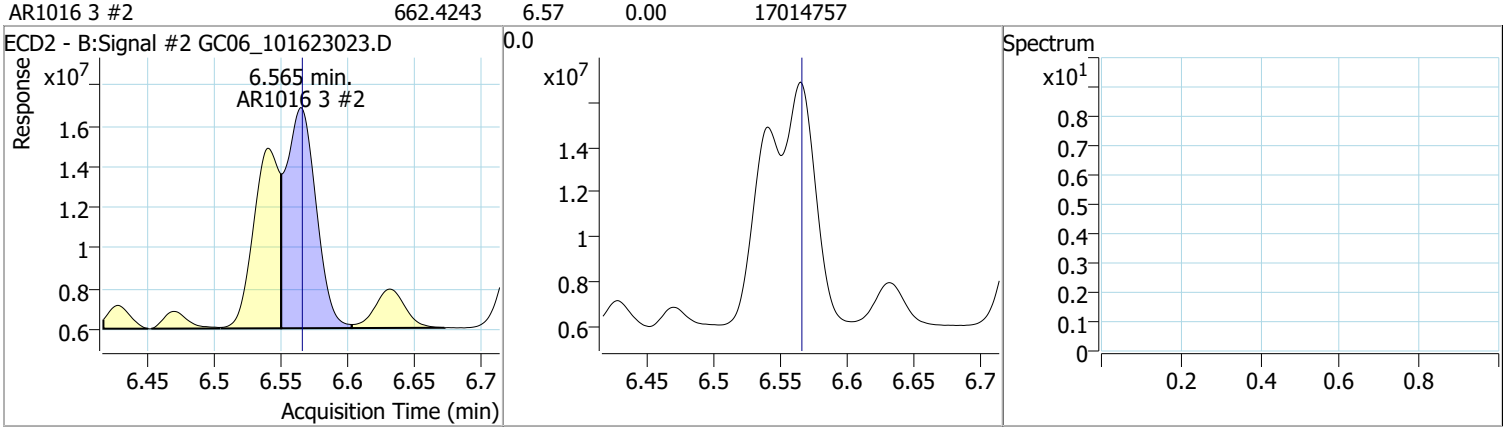
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	675.0099	6.05	0.00	13029538				



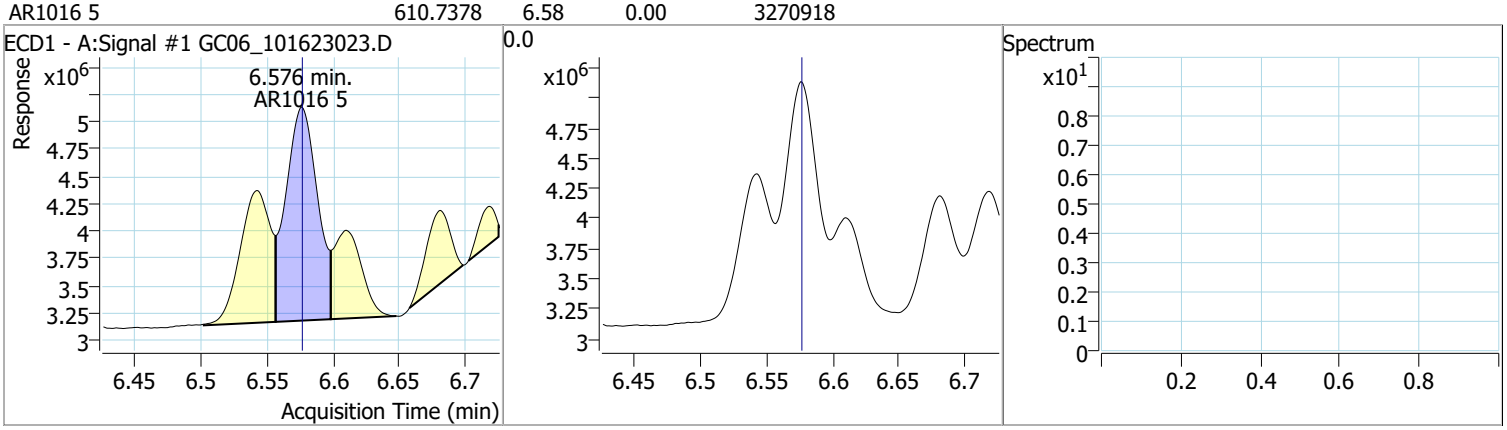
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	756.9953	6.14	0.00	4505311 (m)				



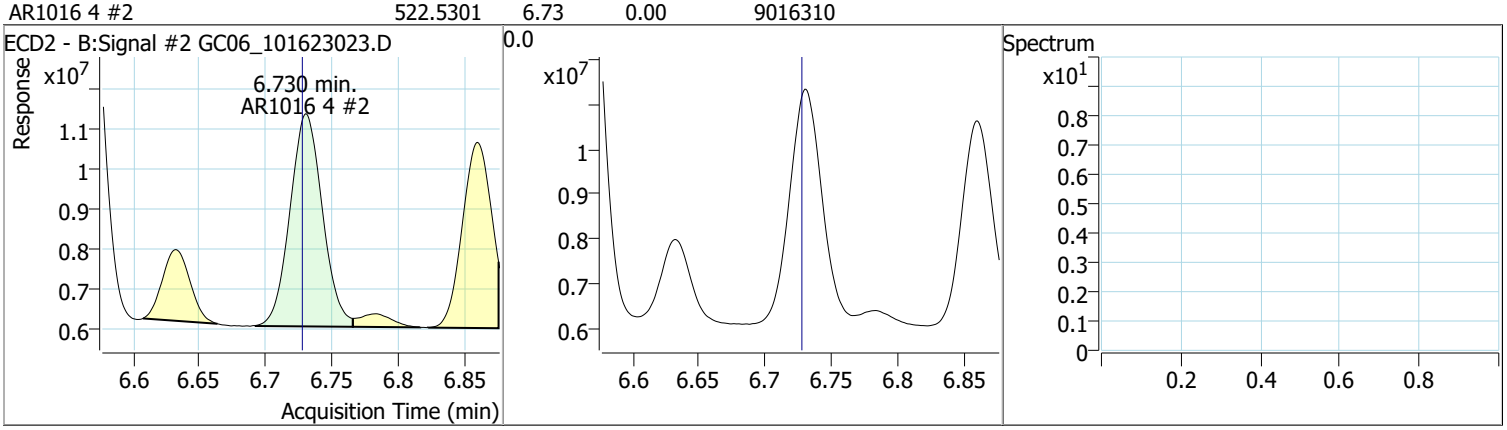
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	662.4243	6.57	0.00	17014757				



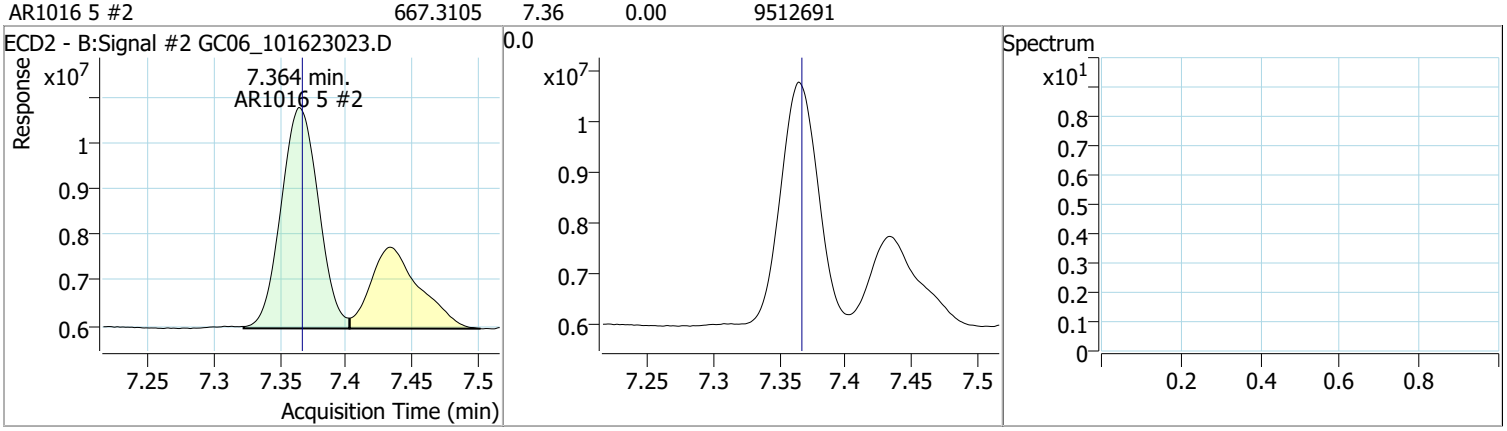
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	610.7378	6.58	0.00	3270918				



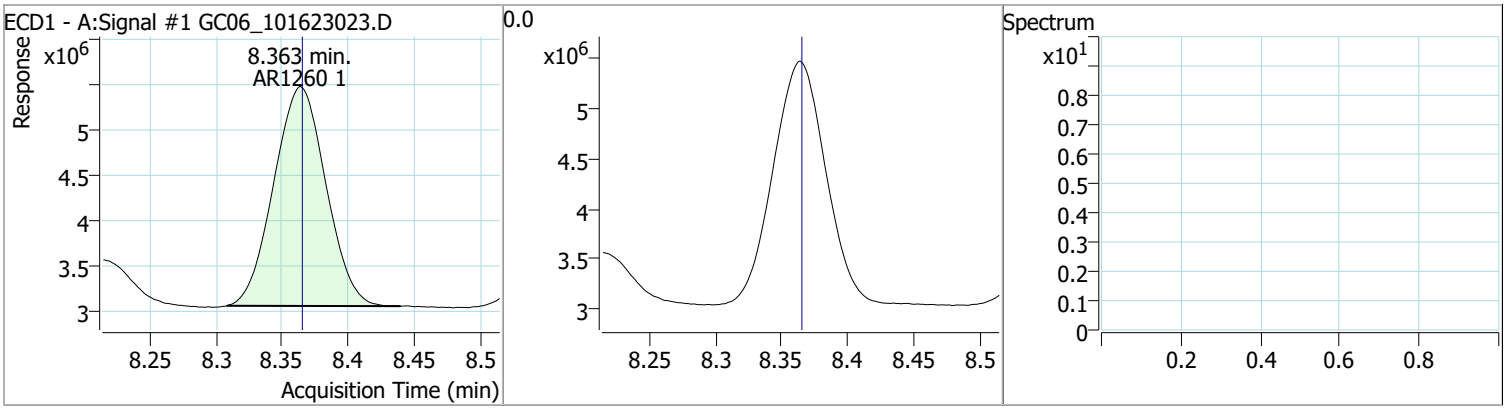
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	522.5301	6.73	0.00	9016310				



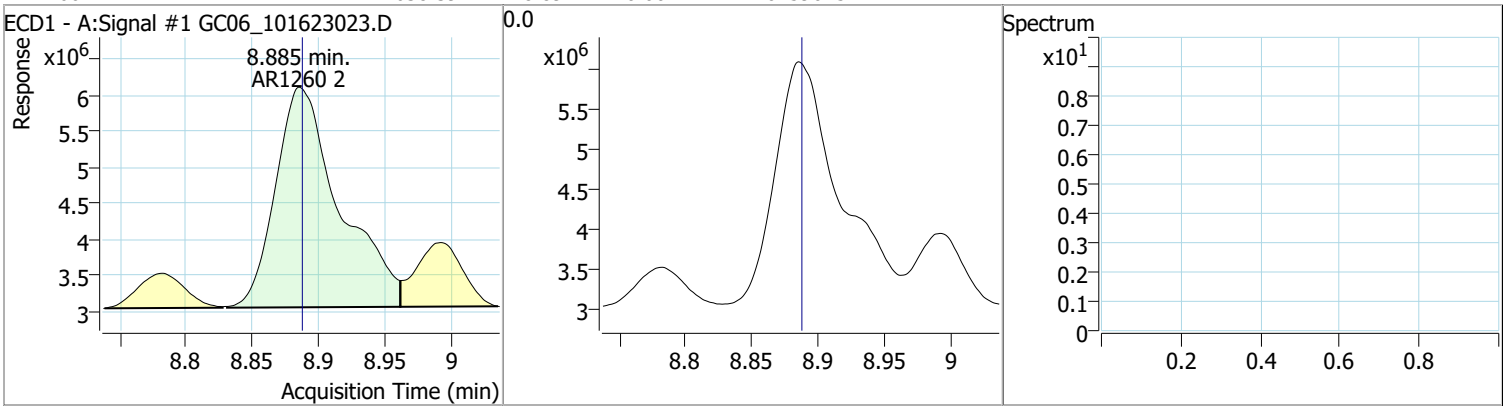
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	667.3105	7.36	0.00	9512691				



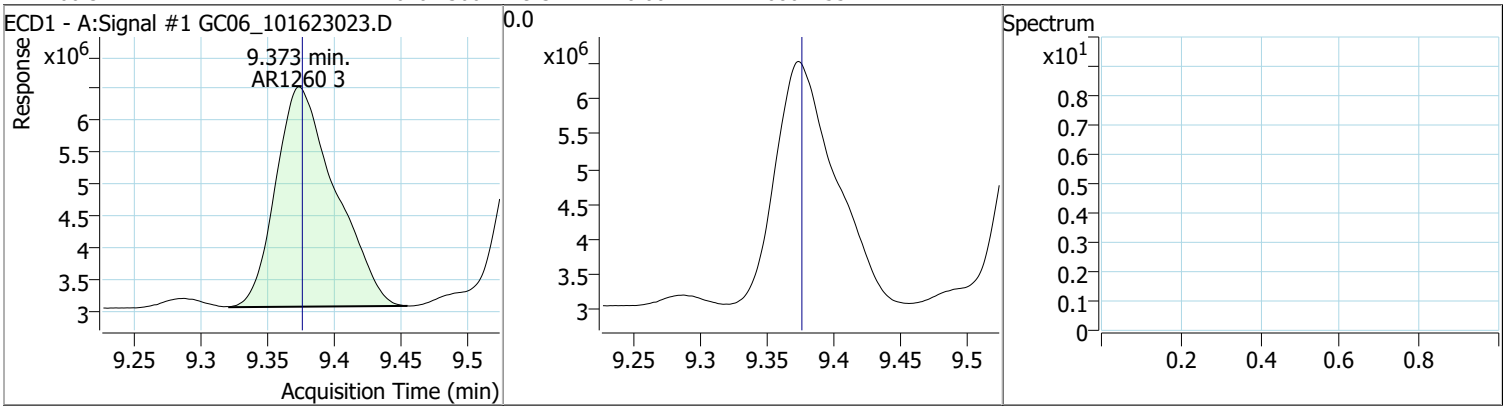
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	642.7431	8.36	0.00	6628649				



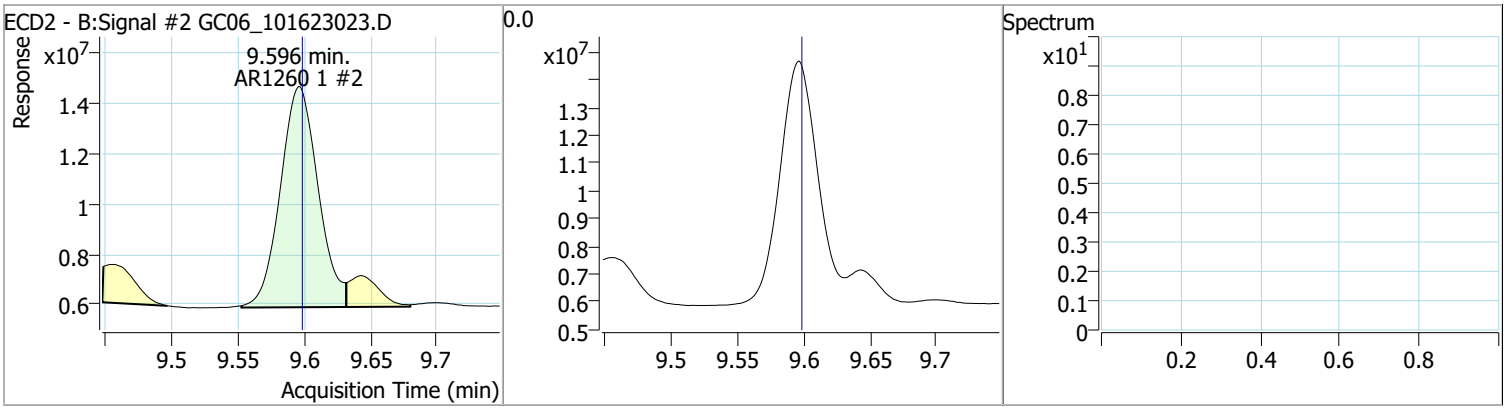
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	638.3914	8.89	0.00	10259045				



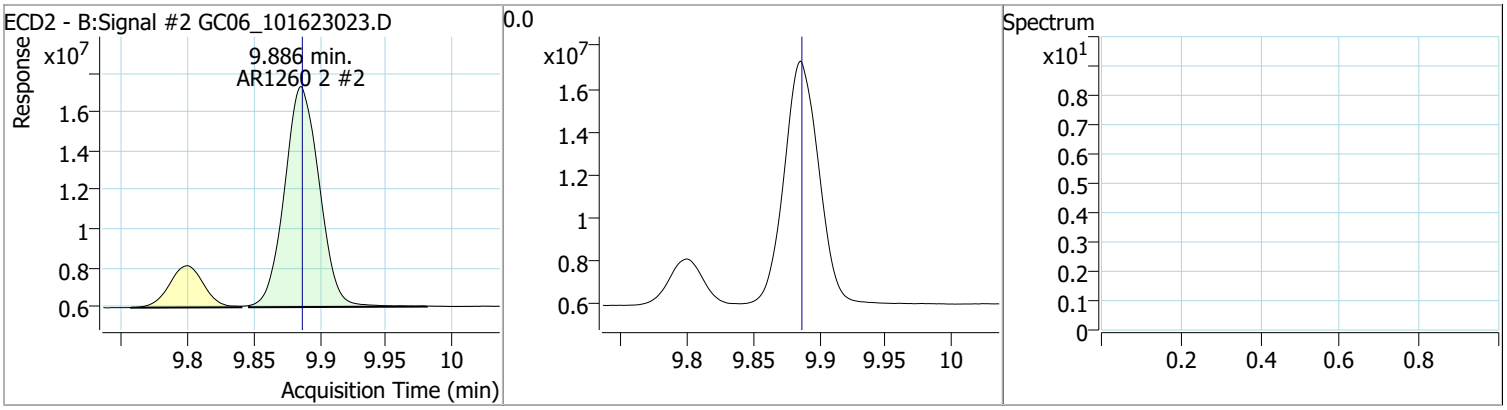
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	640.1366	9.37	0.00	10802155				



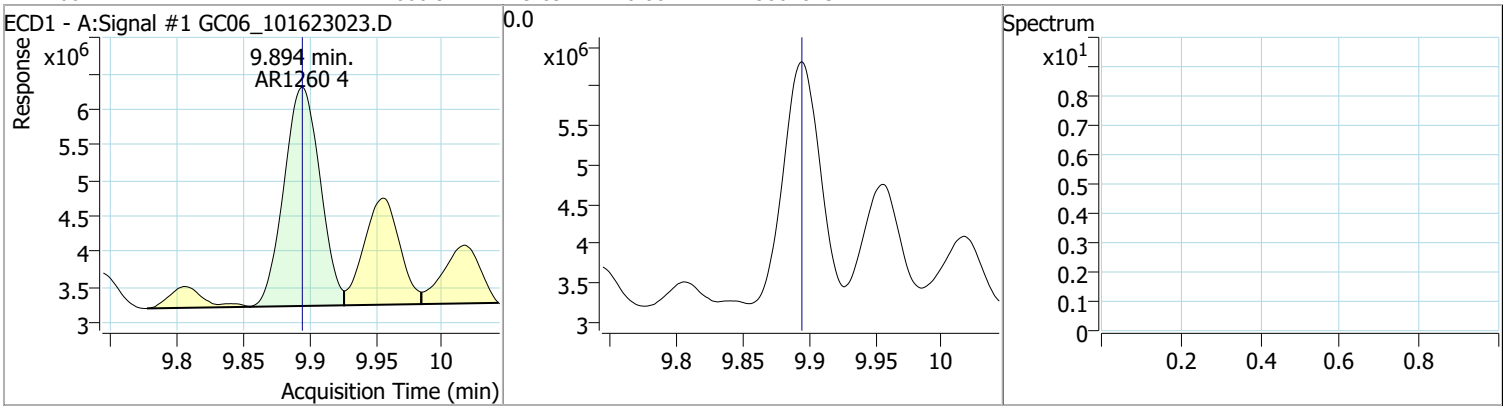
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	658.0983	9.60	0.00	17427915				



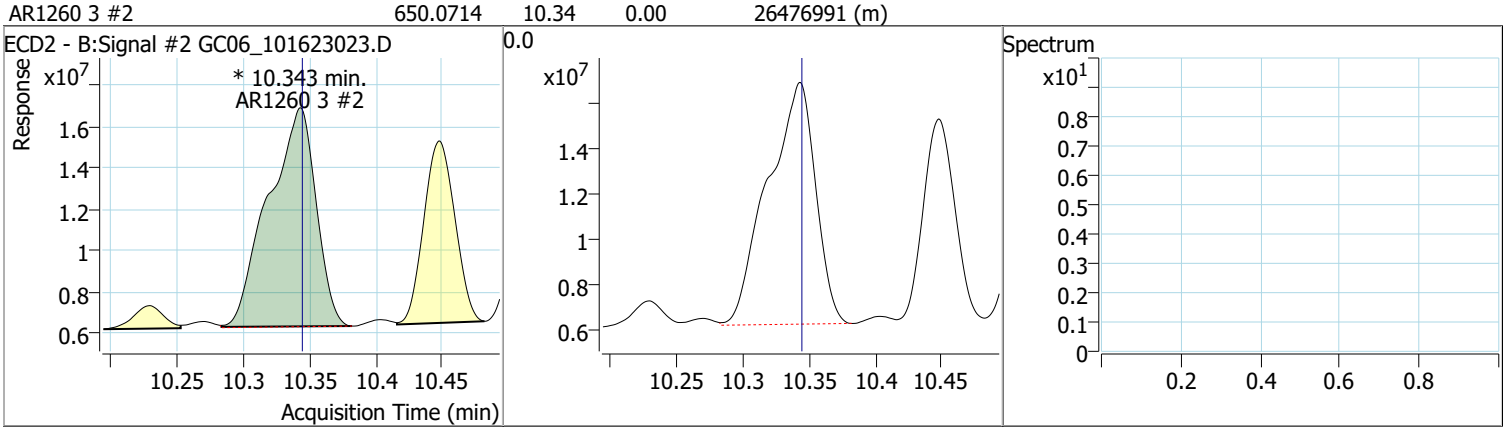
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	648.5088	9.89	0.00	20720397				



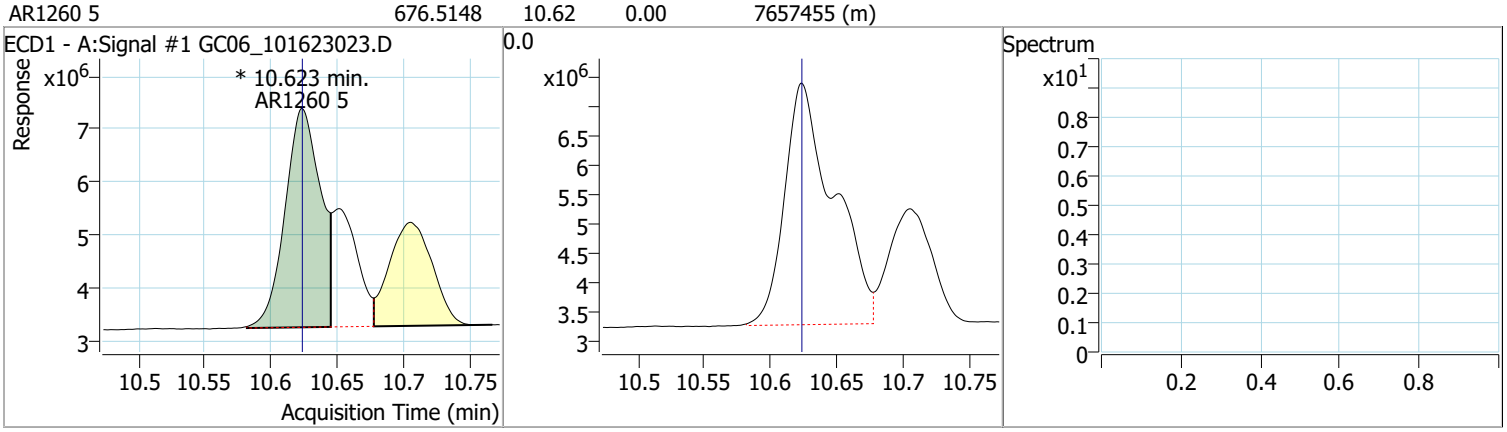
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	660.9424	9.89	0.00	5862813				



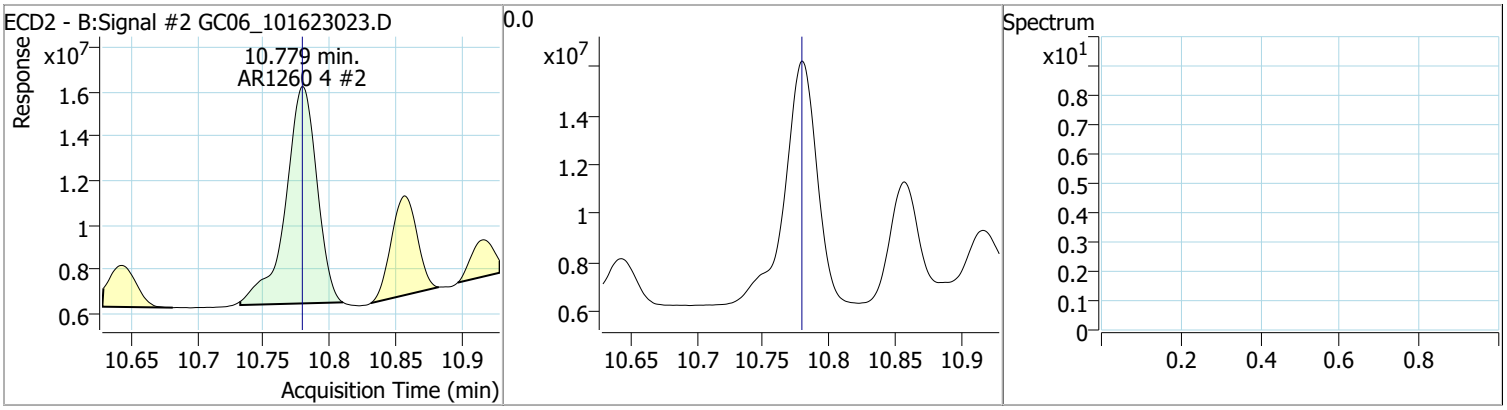
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	650.0714	10.34	0.00	26476991 (m)				



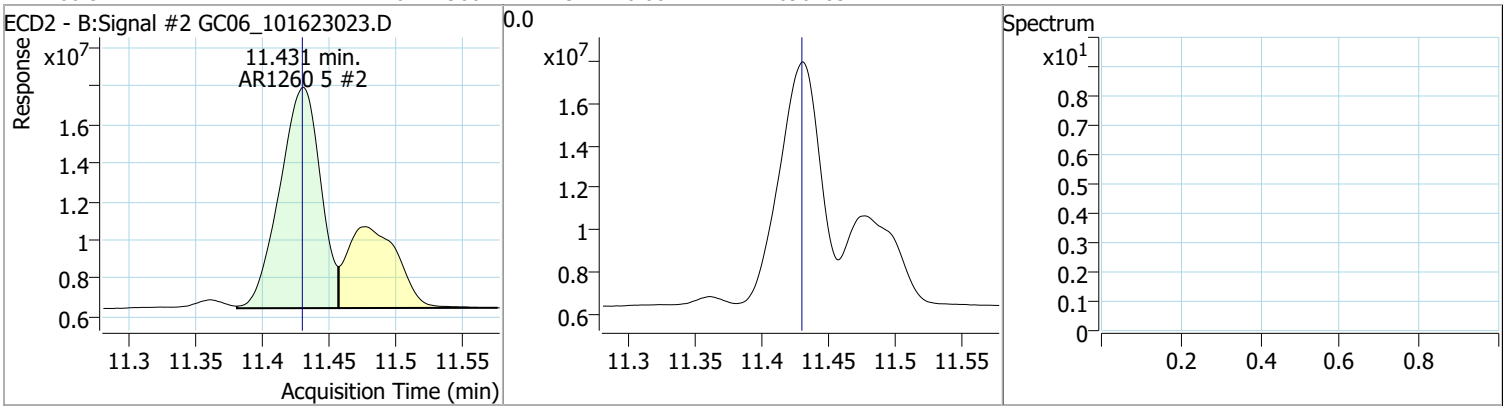
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	676.5148	10.62	0.00	7657455 (m)				



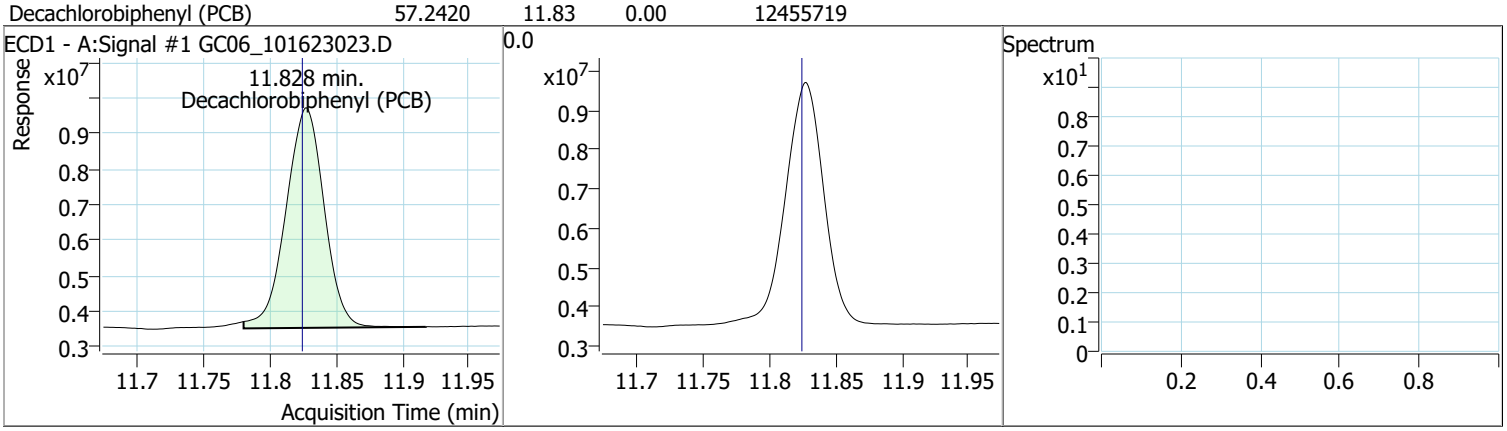
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	654.8045	10.78	0.00	16214086				



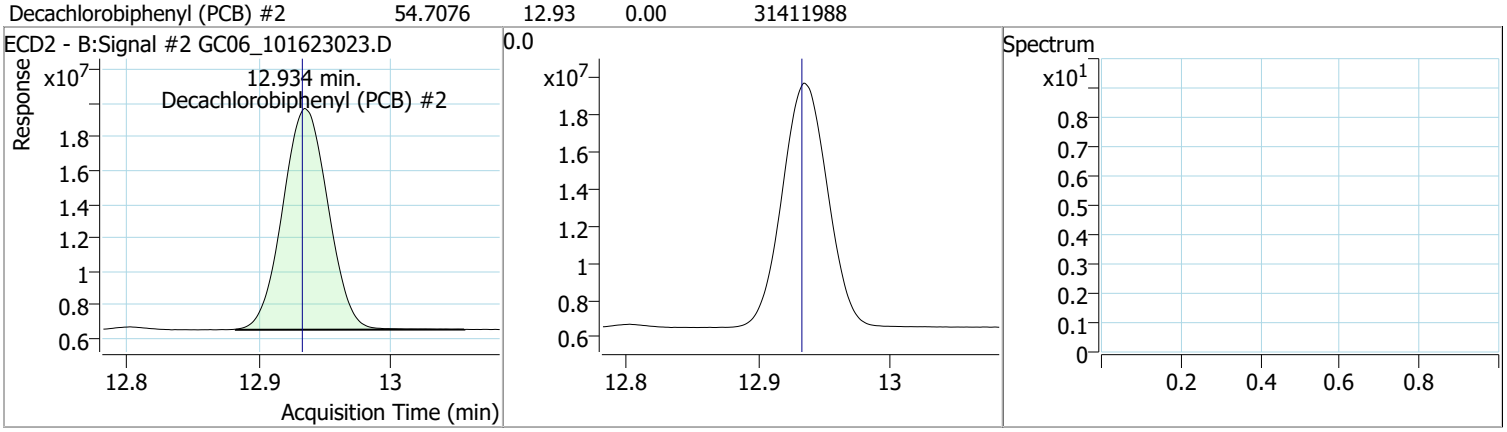
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	672.7900	11.43	0.00	24690483				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	57.2420	11.83	0.00	12455719				

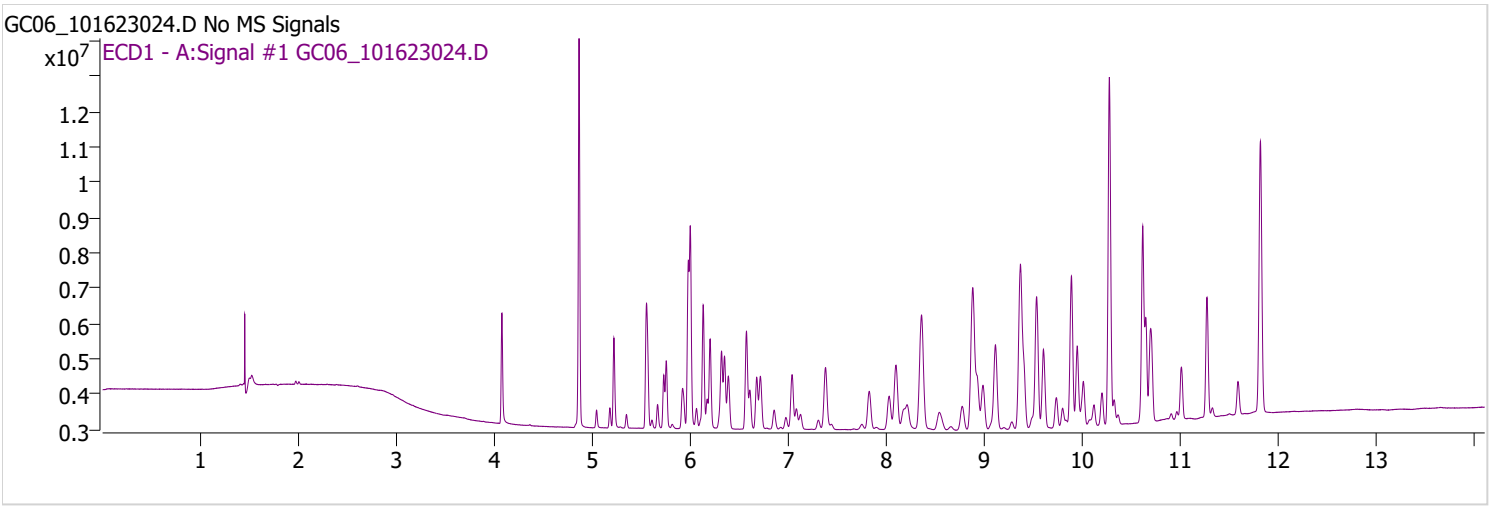


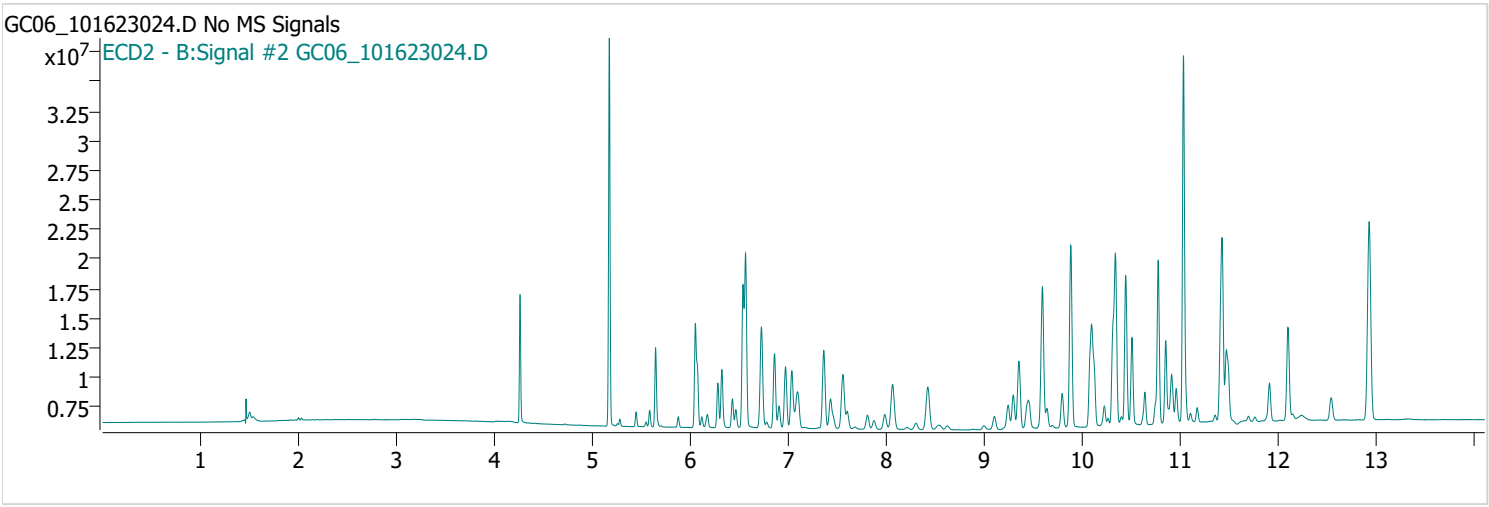
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	54.7076	12.93	0.00	31411988				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623024.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 4:20:42 PM
Sample Name	ICAL, S18461	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



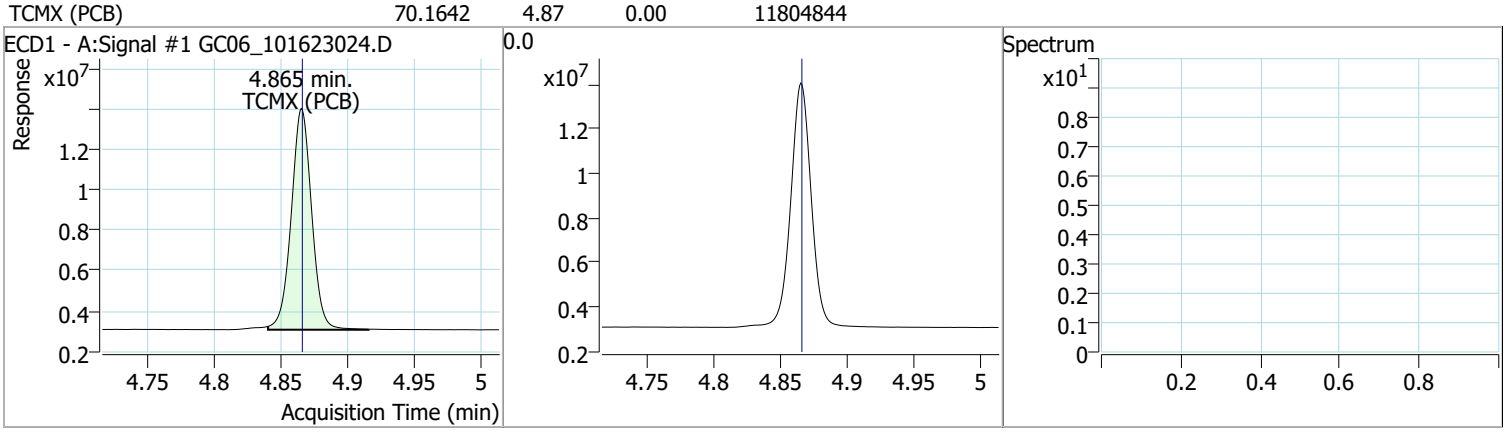


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3381544.181	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	9785607.825	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.865	0.0	11804843.778	70.1642	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.82%		*	
S TCMX (PCB) #2	5.174	0.0	33998519.300	73.9118	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 369.56%		*	
S Decachlorobiphenyl (PCB)	11.823	0.0	15380886.032	71.3027	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 356.51%		*	
S Decachlorobiphenyl (PCB) #2	12.933	0.0	38931066.653	69.3071	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 346.54%		*	
Target Compounds							QValue

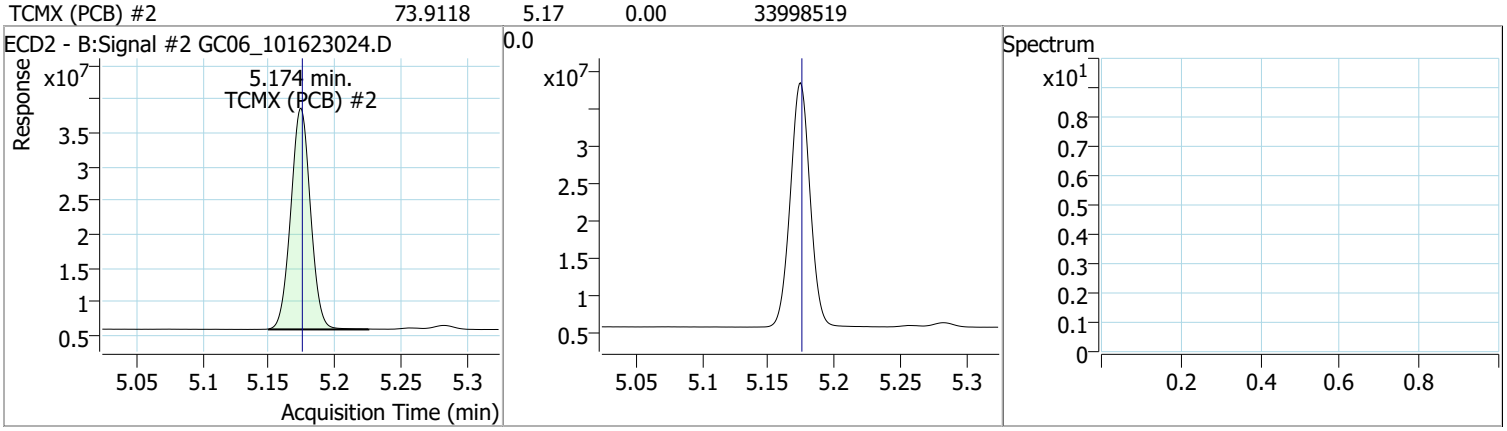
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.221	0.0	3208052.528	874.0869	ng/ml		100
T AR1016 2	5.554	0.0	6177165.680	838.5583	ng/ml		100
T AR1016 1 #2	5.647	0.0	8263249.117	913.2019	ng/ml		100
T AR1016 3	6.001	0.0	7942278.558	843.4553	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	17211636.322	911.4501	ng/ml		100
T AR1016 4	6.133	0.0	5024458.720	851.6015	ng/ml		100
T AR1016 3 #2	6.565	0.0	22744612.922	905.1461	ng/ml		100
T AR1016 5	6.574	0.0	4657553.023	877.2467	ng/ml		100
T AR1016 4 #2	6.727	0.0	15845225.254	938.6648	ng/ml		100
T AR1016 5 #2	7.364	0.0	12899550.179	924.9723	ng/ml		100
T AR1260 1	8.363	0.0	9064736.487	886.6381	ng/ml		100
T AR1260 2	8.885	0.0	13828623.155	868.0360	ng/ml		100
T AR1260 3	9.372	0.0	14445919.281	863.5475	ng/ml		100
T AR1260 1 #2	9.597	0.0	23397170.491	903.1052	ng/ml		100
T AR1260 2 #2	9.886	0.0	27930033.524	893.5500	ng/ml		100
T AR1260 4	9.893	0.0	8163197.155	928.3177	ng/ml		100
T AR1260 3 #2	10.341	0.0	36279017.506	910.4951	ng/ml		100
T AR1260 5	10.621	0.0	9749735.919	868.8893	ng/ml		100
T AR1260 4 #2	10.778	0.0	22876459.200	944.3601	ng/ml	m	100
T AR1260 5 #2	11.431	0.0	34575399.733	963.0454	ng/ml		100

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

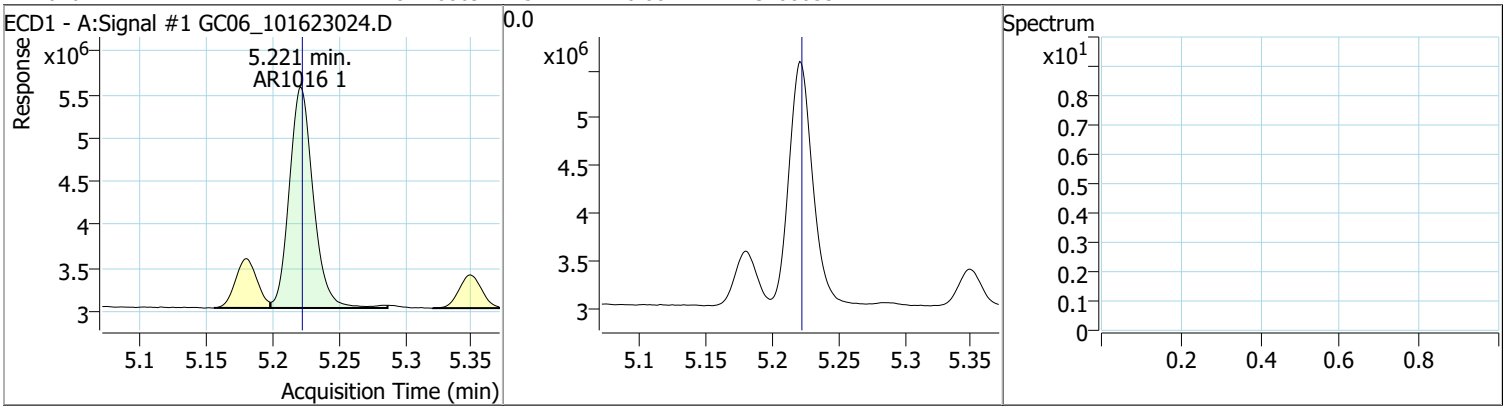
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	70.1642	4.87	0.00	11804844				



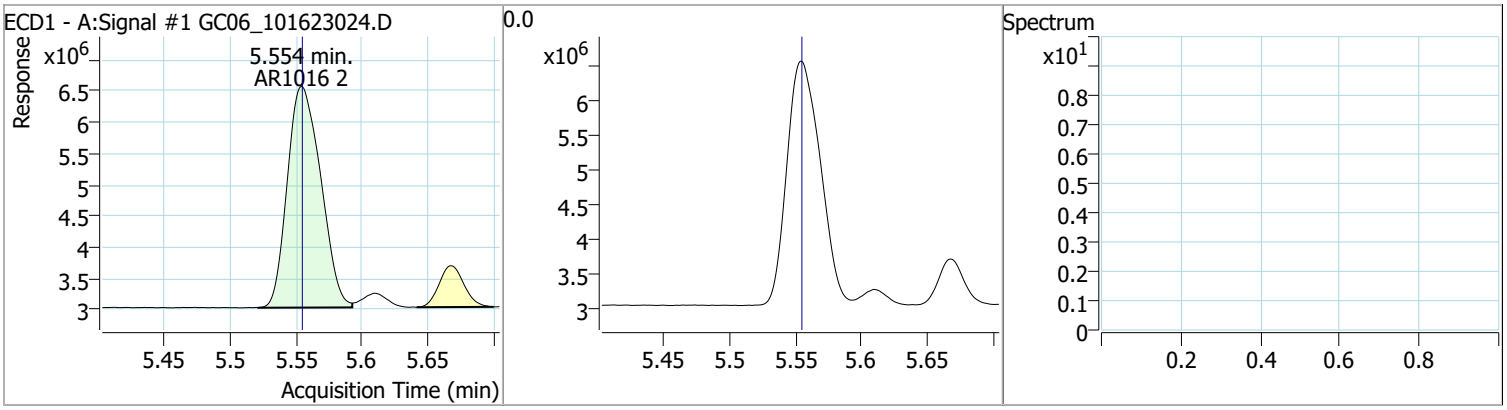
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	73.9118	5.17	0.00	33998519				



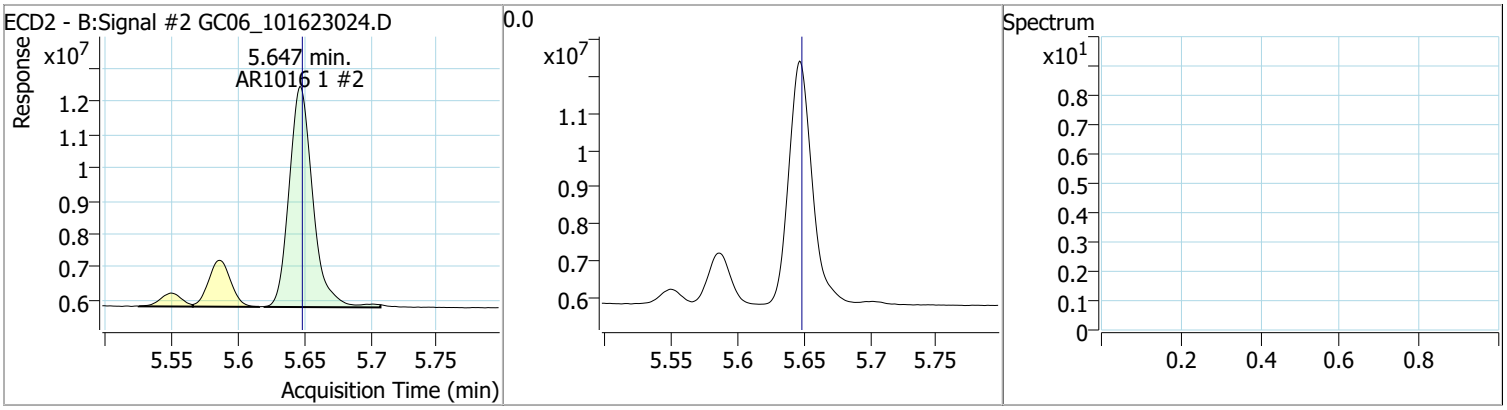
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	874.0869	5.22	0.00	3208053				



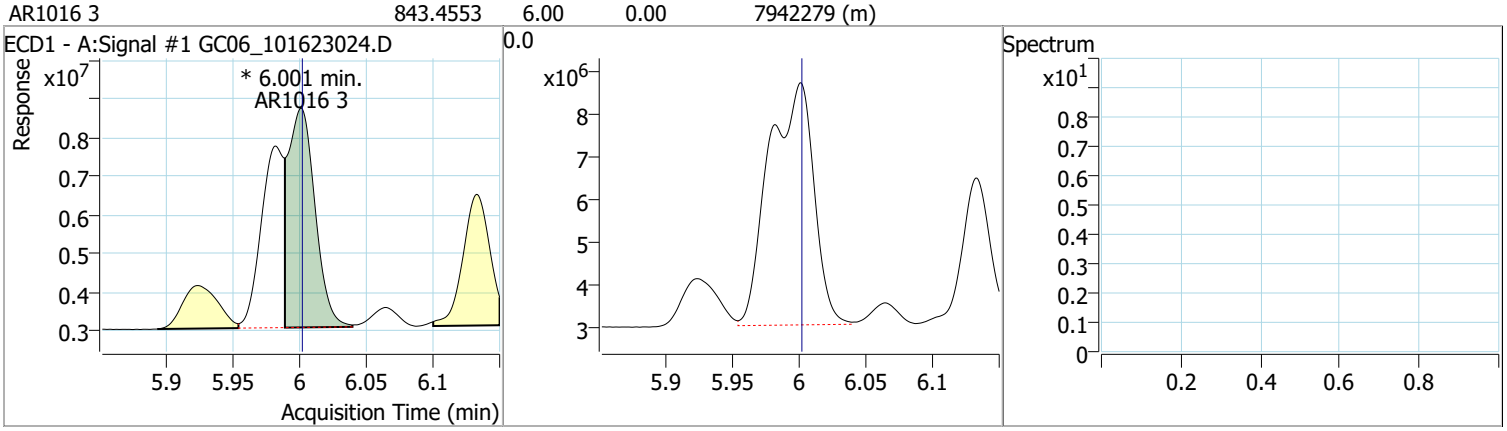
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	838.5583	5.55	0.00	6177166				



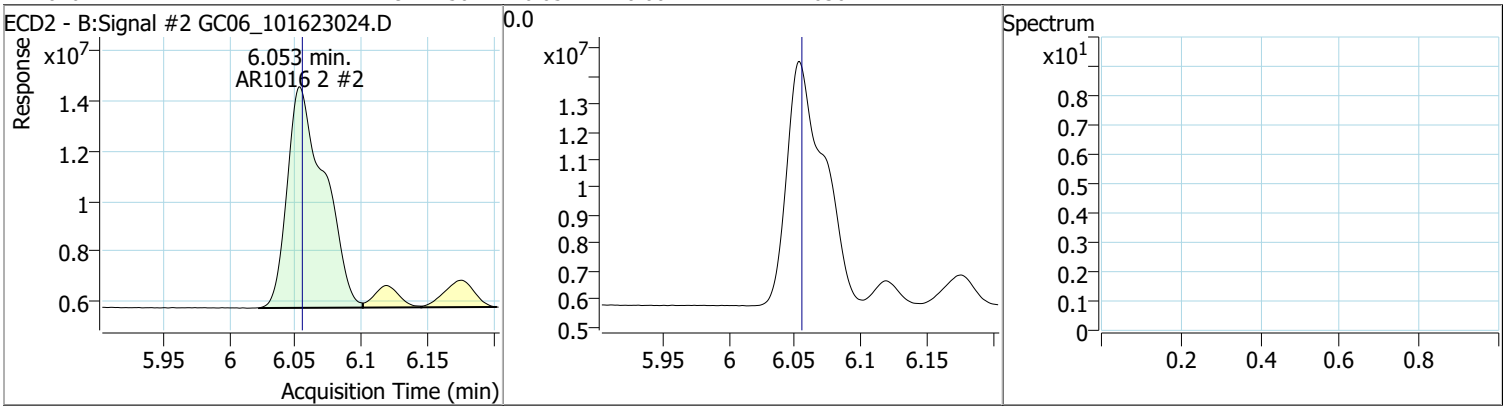
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	913.2019	5.65	0.00	8263249				



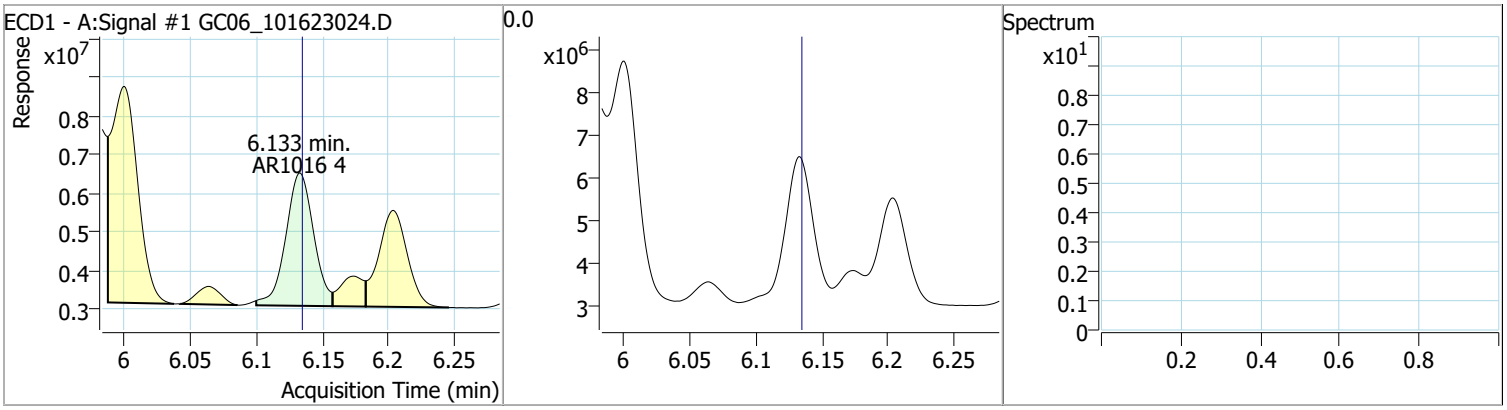
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AR1016 3	843.4553	6.00	0.00	7942279 (m)				



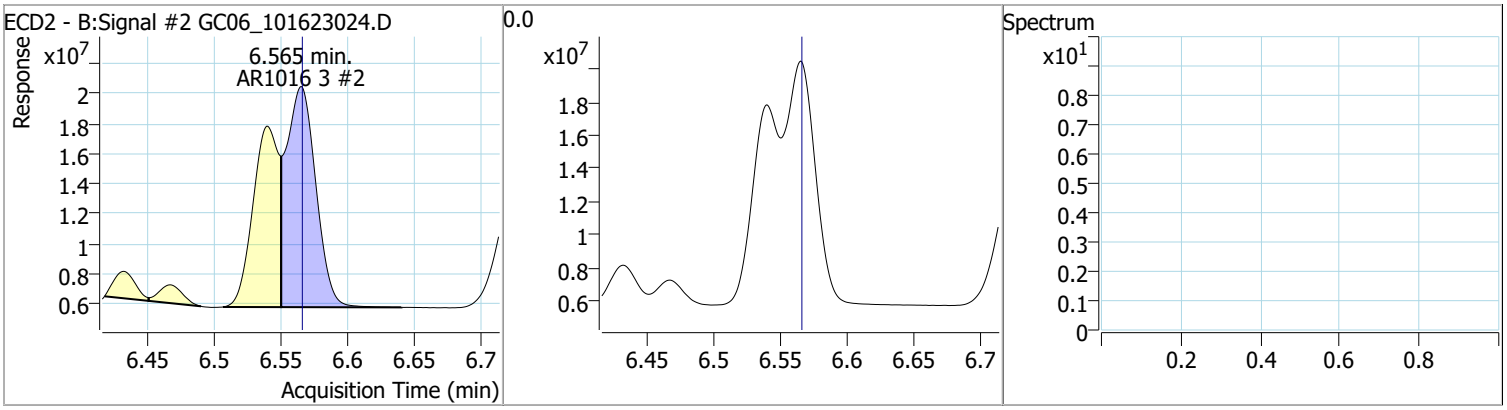
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	911.4501	6.05	0.00	17211636				



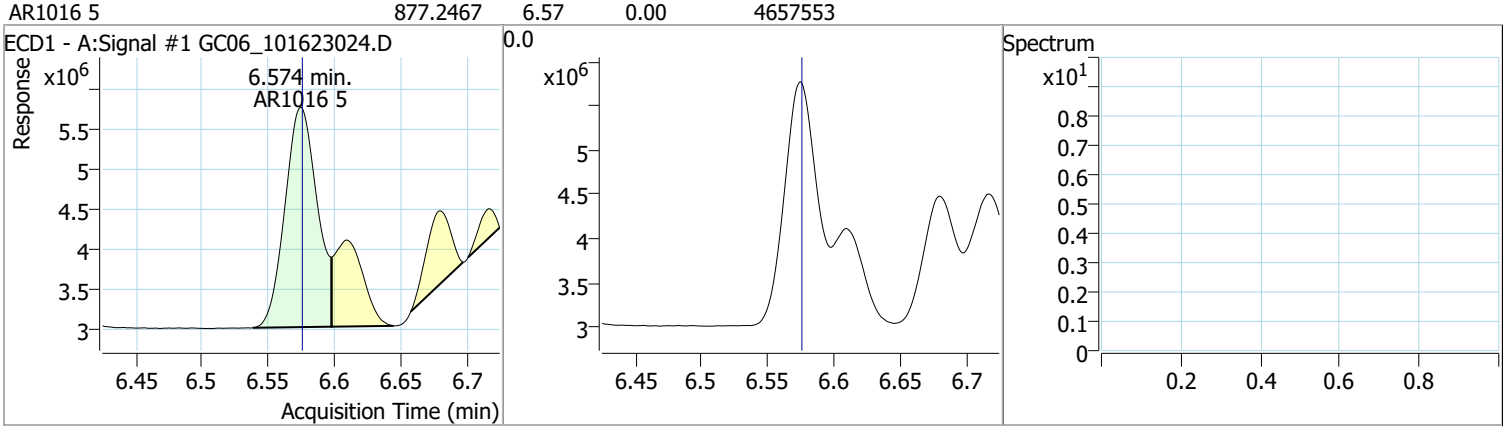
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	851.6015	6.13	0.00	5024459				



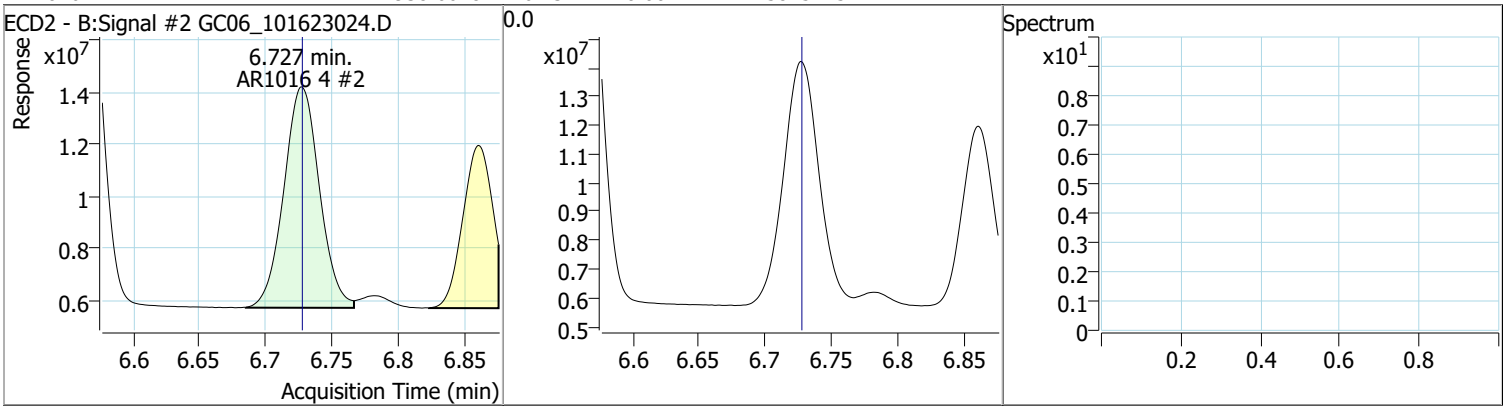
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	905.1461	6.57	0.00	22744613				



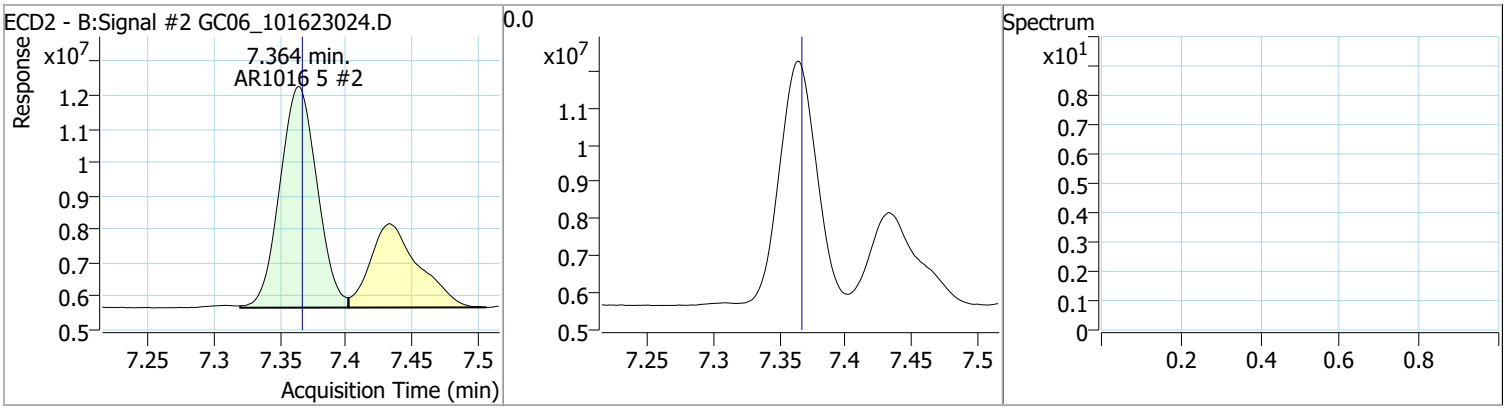
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	877.2467	6.57	0.00	4657553				



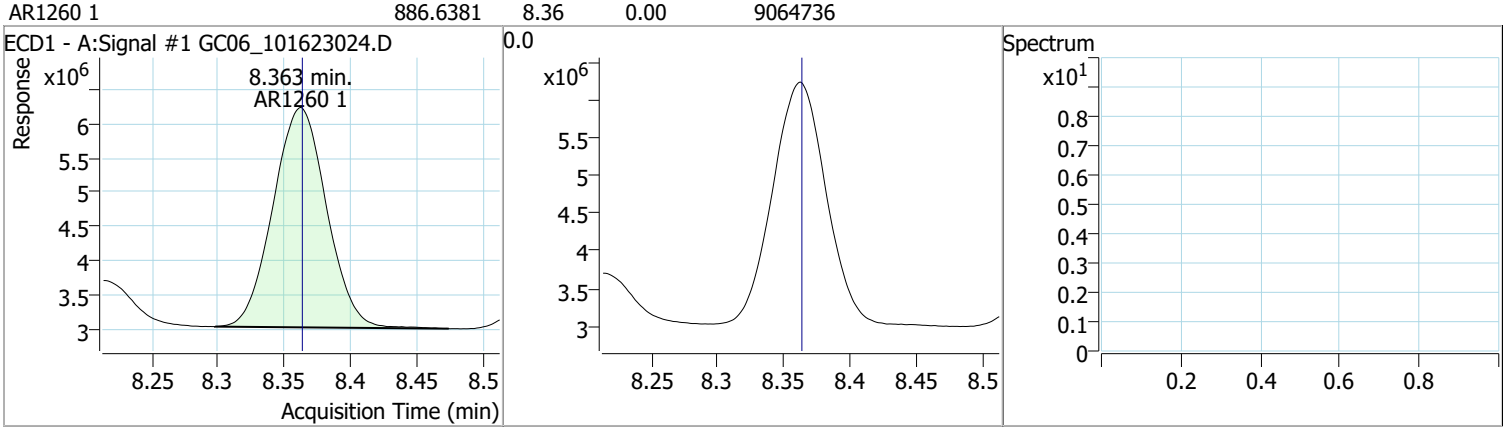
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	938.6648	6.73	0.00	15845225				



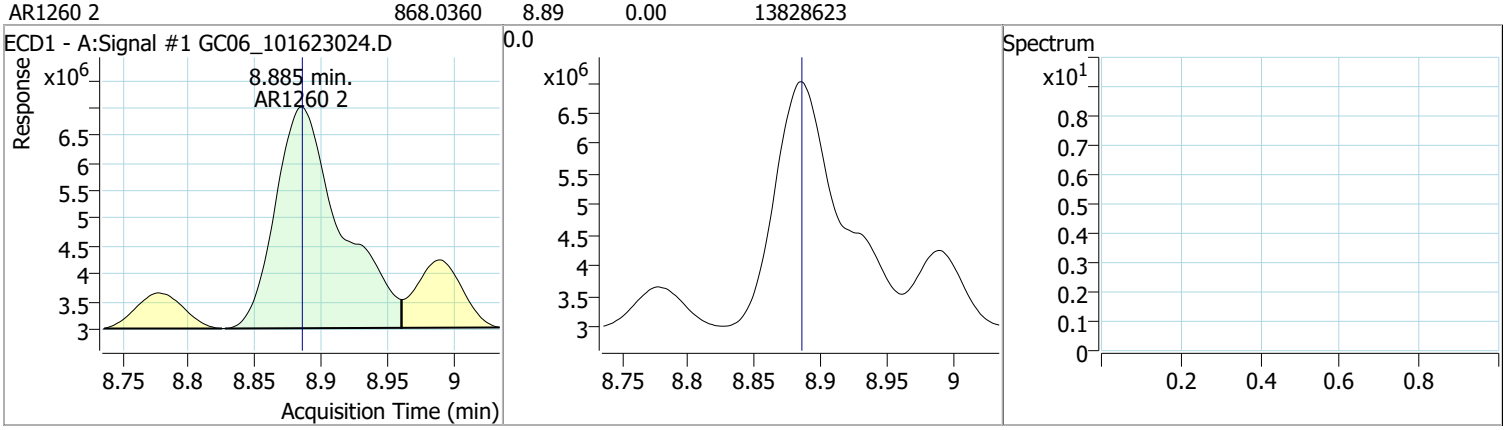
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	924.9723	7.36	0.00	12899550				



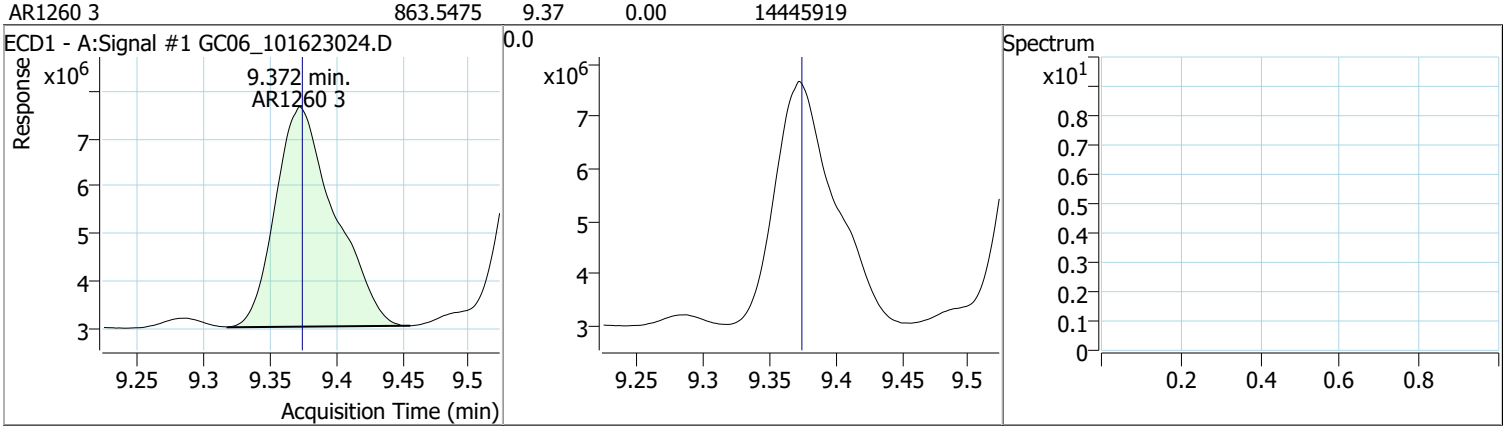
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	886.6381	8.36	0.00	9064736				



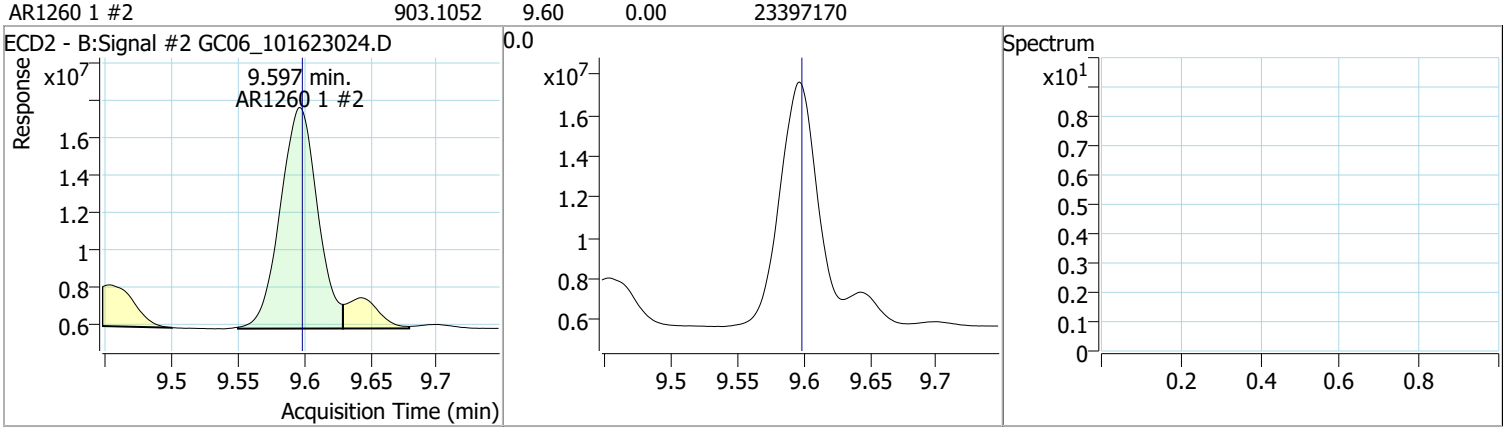
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	868.0360	8.89	0.00	13828623				



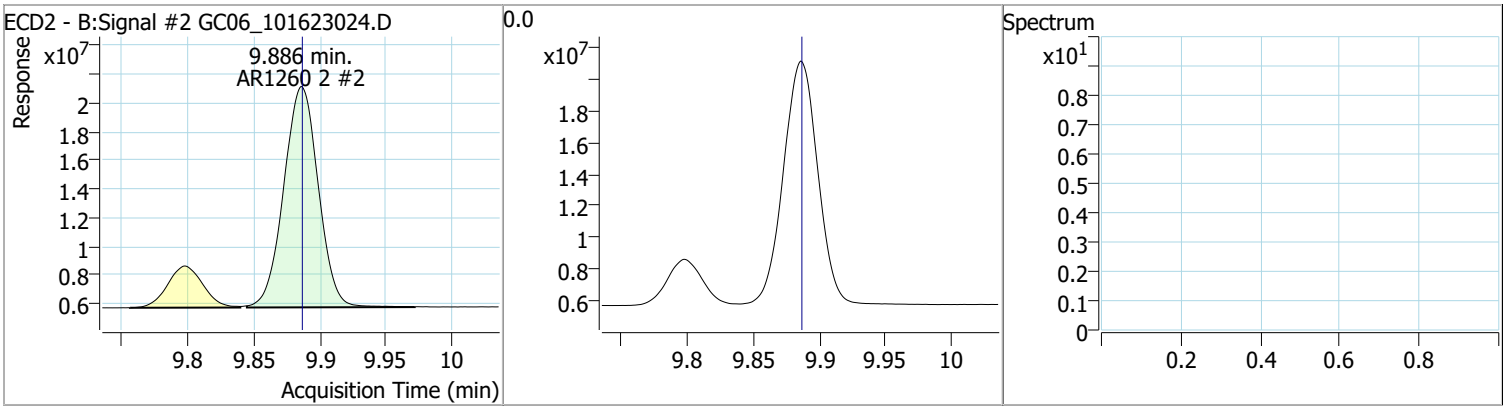
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	863.5475	9.37	0.00	14445919				



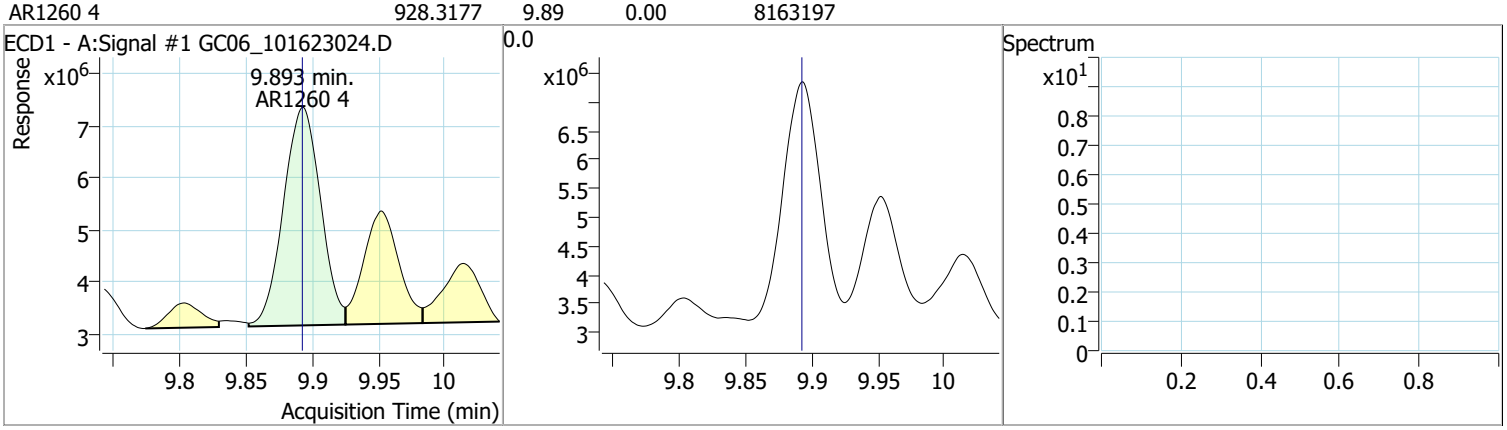
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	903.1052	9.60	0.00	23397170				



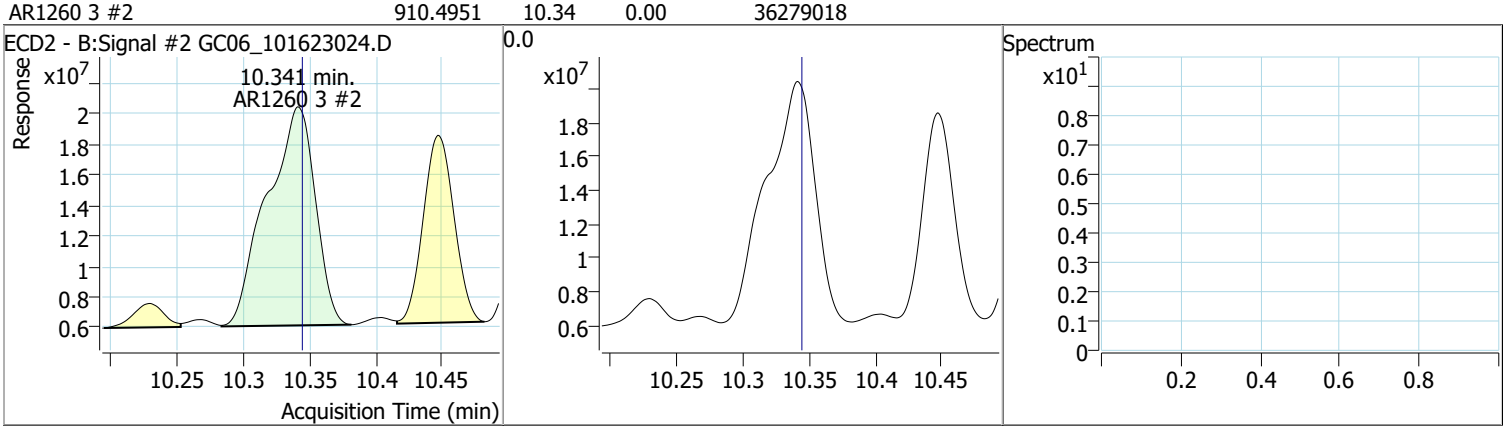
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	893.5500	9.89	0.00	27930034				



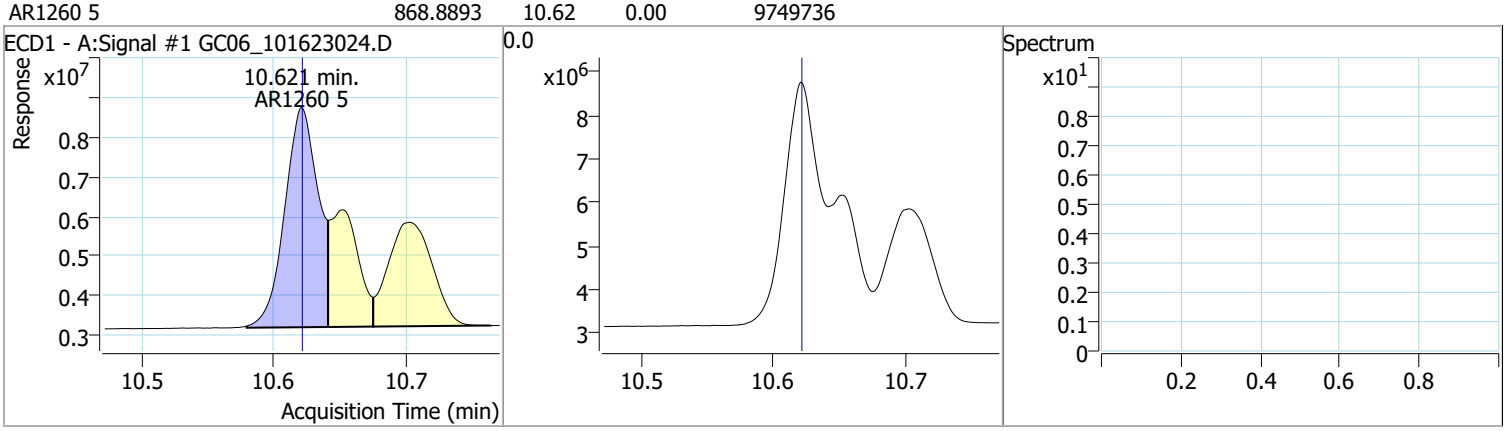
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	928.3177	9.89	0.00	8163197				



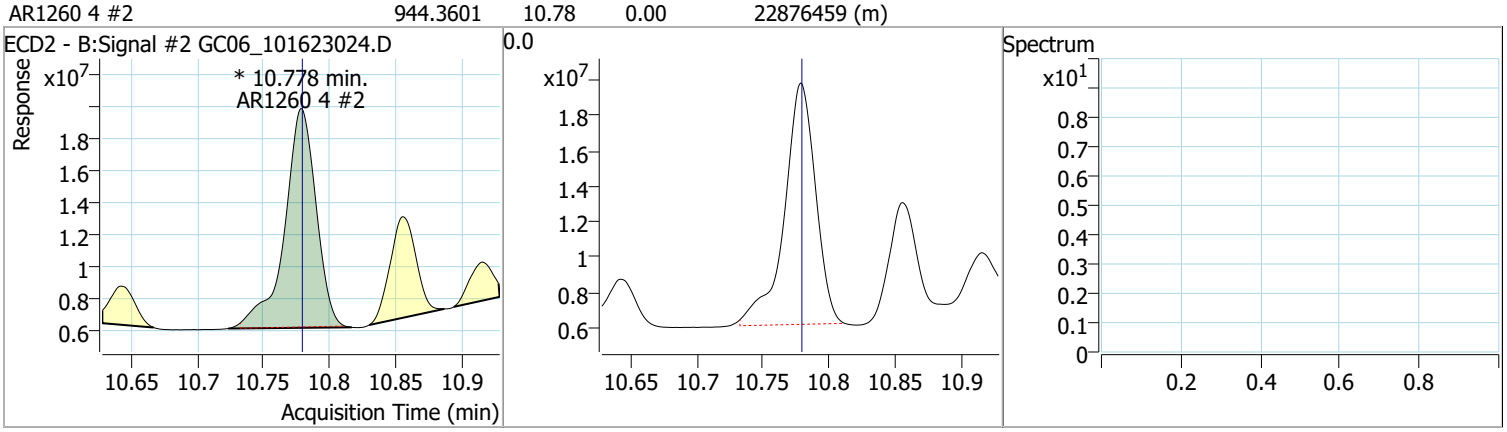
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	910.4951	10.34	0.00	36279018				



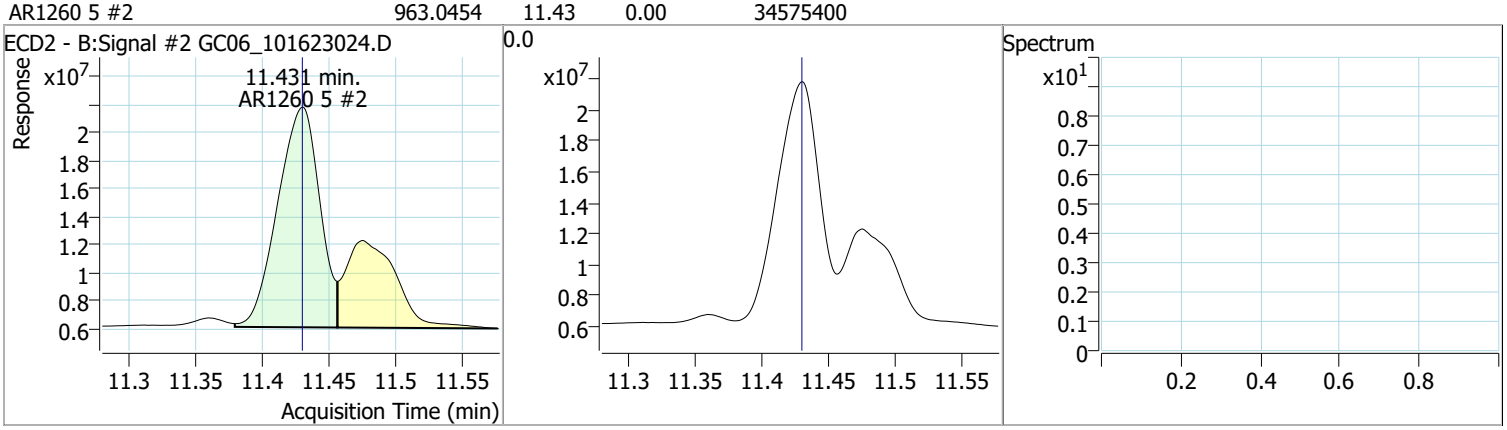
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	868.8893	10.62	0.00	9749736				



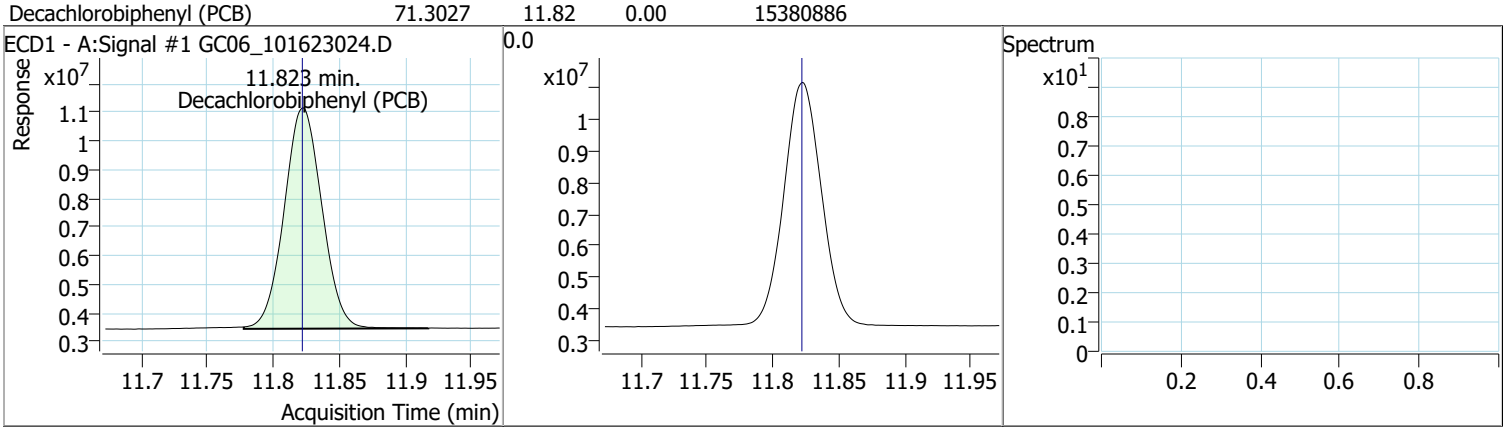
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	944.3601	10.78	0.00	22876459 (m)				



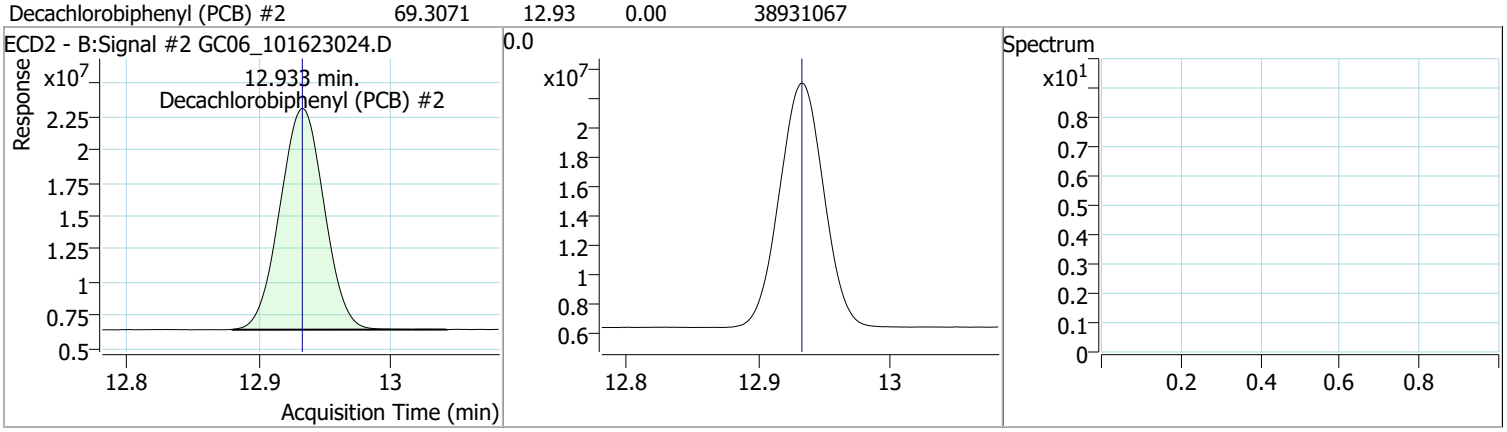
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	963.0454	11.43	0.00	34575400				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.3027	11.82	0.00	15380886				

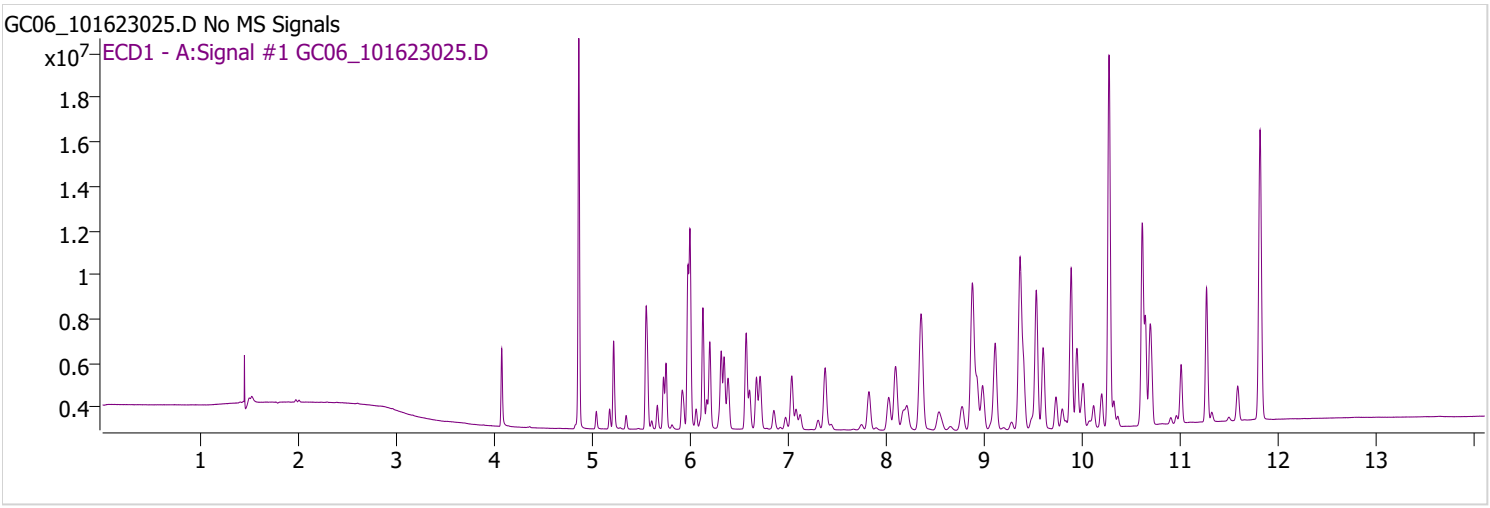


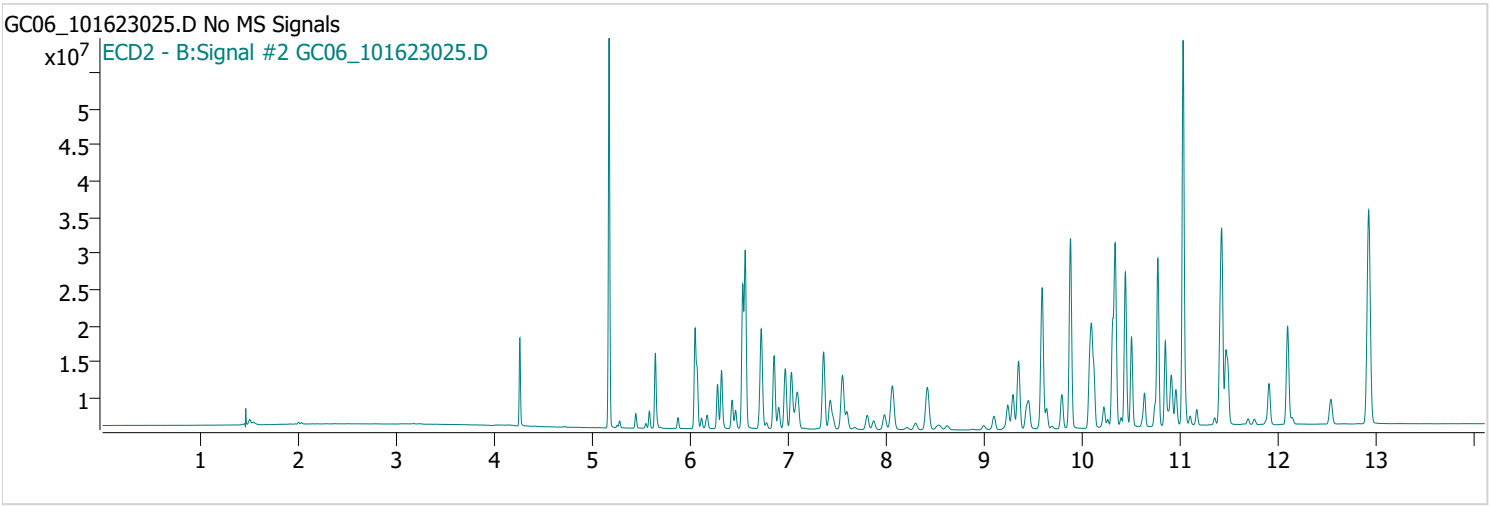
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	69.3071	12.93	0.00	38931067				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623025.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 4:39:48 PM
Sample Name	ICAL, S18462	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



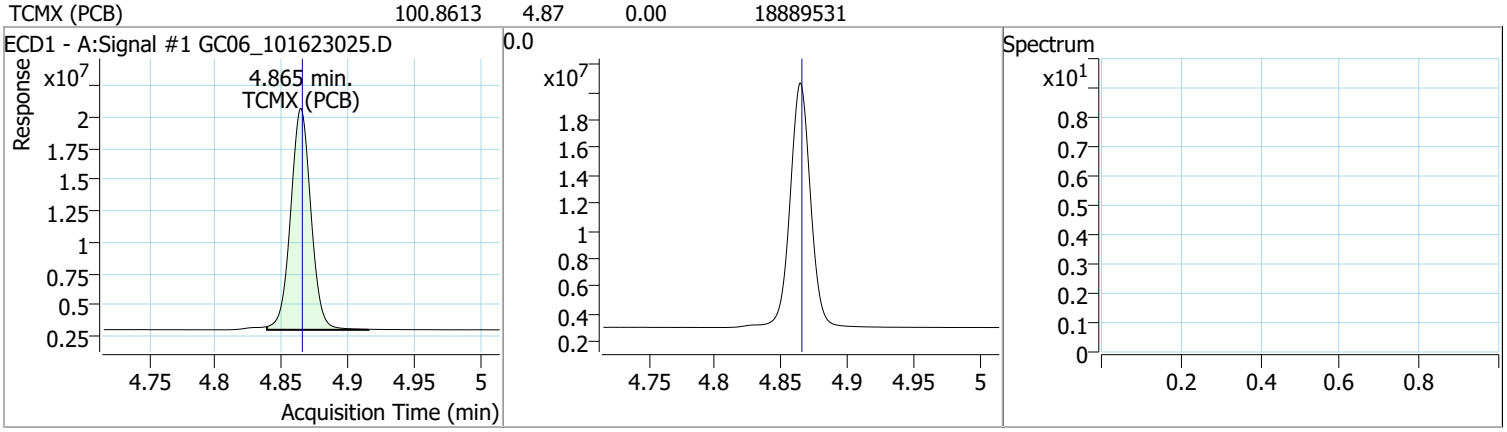


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3764152.016	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10982727.055	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.865	0.0	18889530.746	100.8613	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 504.31%		*	
S TCMX (PCB) #2	5.173	0.0	54967422.200	106.4723	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 532.36%		*	
S Decachlorobiphenyl (PCB)	11.823	0.0	25963969.663	108.1294	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 540.65%		*	
S Decachlorobiphenyl (PCB) #2	12.932	0.0	68549921.853	108.7342	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 543.67%		*	
Target Compounds							QValue

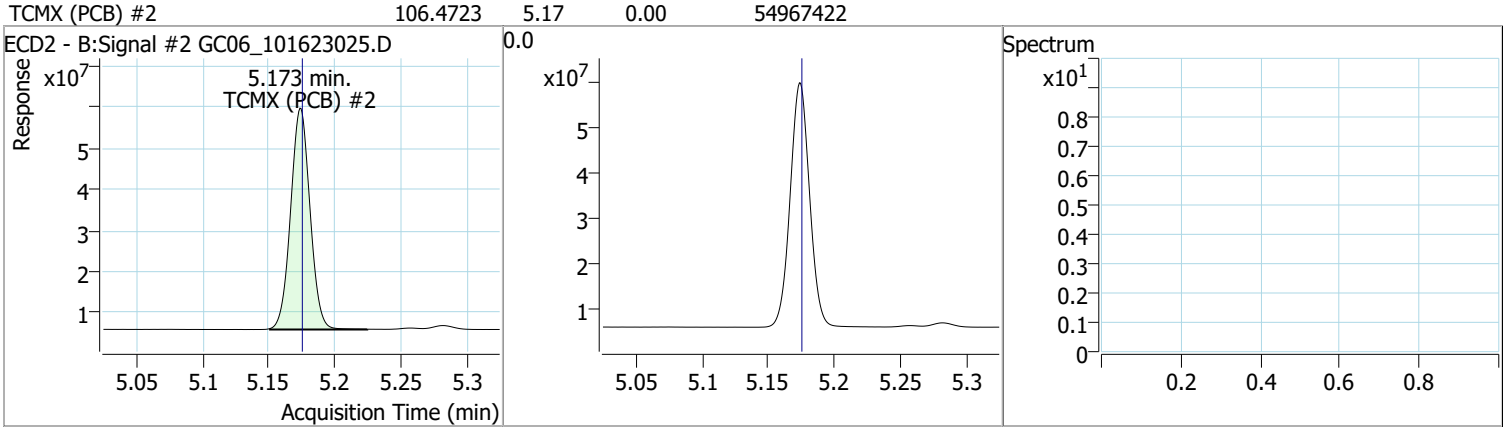
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.220	0.0	4991435.731	1221.7617	ng/ml		100
T AR1016 2	5.553	0.0	9694078.219	1182.2204	ng/ml		100
T AR1016 1 #2	5.647	0.0	12998941.002	1279.9751	ng/ml		100
T AR1016 3	5.999	0.0	13010271.041	1241.2270	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	27518656.537	1298.4211	ng/ml		100
T AR1016 4	6.132	0.0	7908112.574	1204.1148	ng/ml		100
T AR1016 3 #2	6.564	0.0	36983724.594	1311.3795	ng/ml		100
T AR1016 5	6.574	0.0	7361010.493	1245.5159	ng/ml		100
T AR1016 4 #2	6.728	0.0	25515362.530	1346.7639	ng/ml		100
T AR1016 5 #2	7.365	0.0	20861970.873	1332.8679	ng/ml		100
T AR1260 1	8.360	0.0	14206952.199	1248.3605	ng/ml		100
T AR1260 2	8.884	0.0	22152742.278	1249.2065	ng/ml		100
T AR1260 3	9.372	0.0	23530030.325	1263.6054	ng/ml		100
T AR1260 1 #2	9.597	0.0	38489220.878	1323.7066	ng/ml		100
T AR1260 2 #2	9.886	0.0	46551606.096	1326.9657	ng/ml		100
T AR1260 4	9.893	0.0	13289458.386	1357.6616	ng/ml		100
T AR1260 3 #2	10.343	0.0	61619653.593	1377.9040	ng/ml		100
T AR1260 5	10.619	0.0	16717409.090	1338.4078	ng/ml		100
T AR1260 4 #2	10.778	0.0	39244461.700	1443.4602	ng/ml	m	100
T AR1260 5 #2	11.430	0.0	58791941.008	1459.0661	ng/ml		100

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

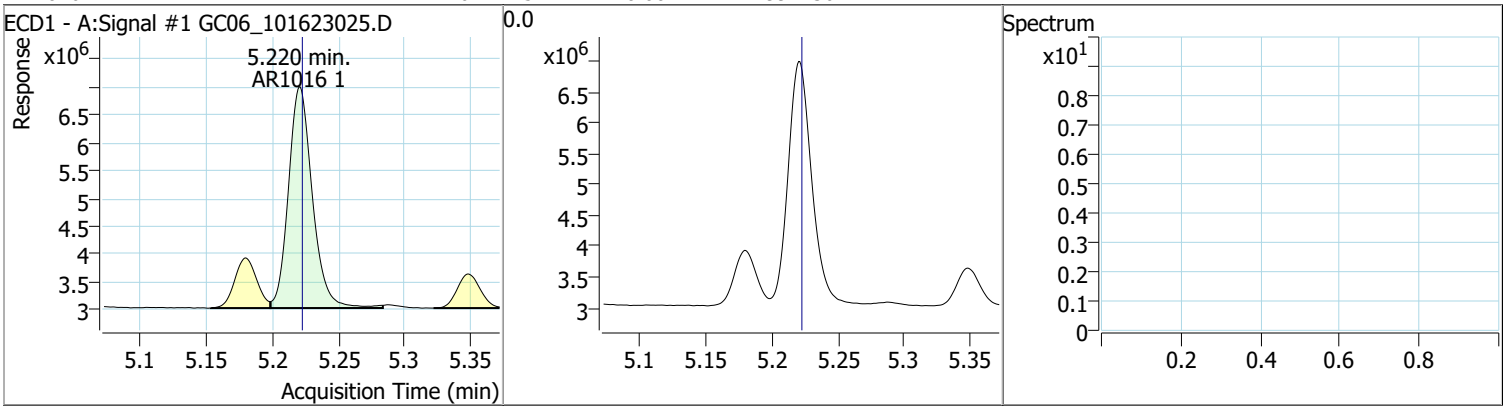
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	100.8613	4.87	0.00	18889531				



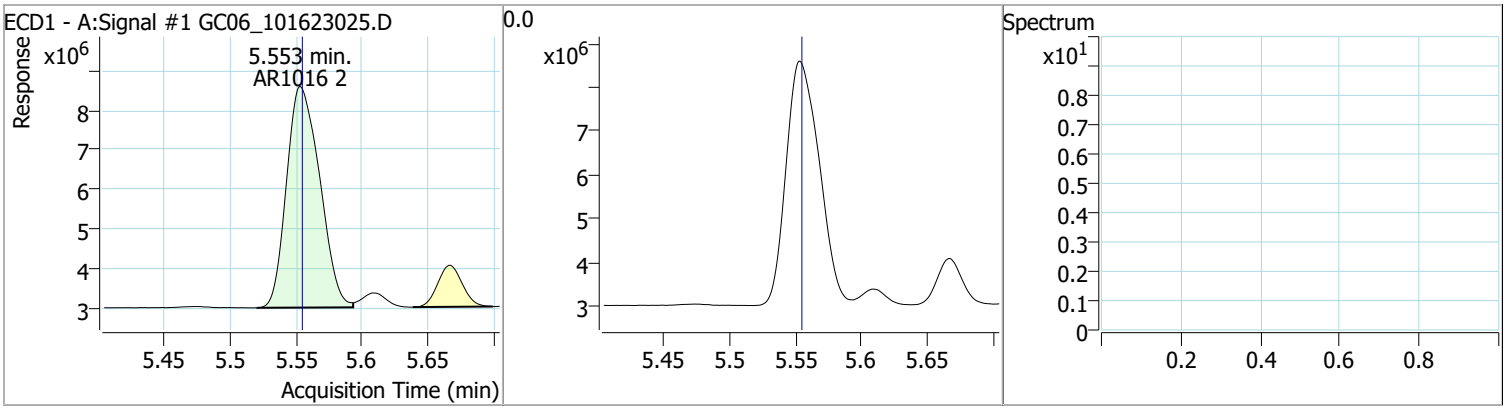
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	106.4723	5.17	0.00	54967422				



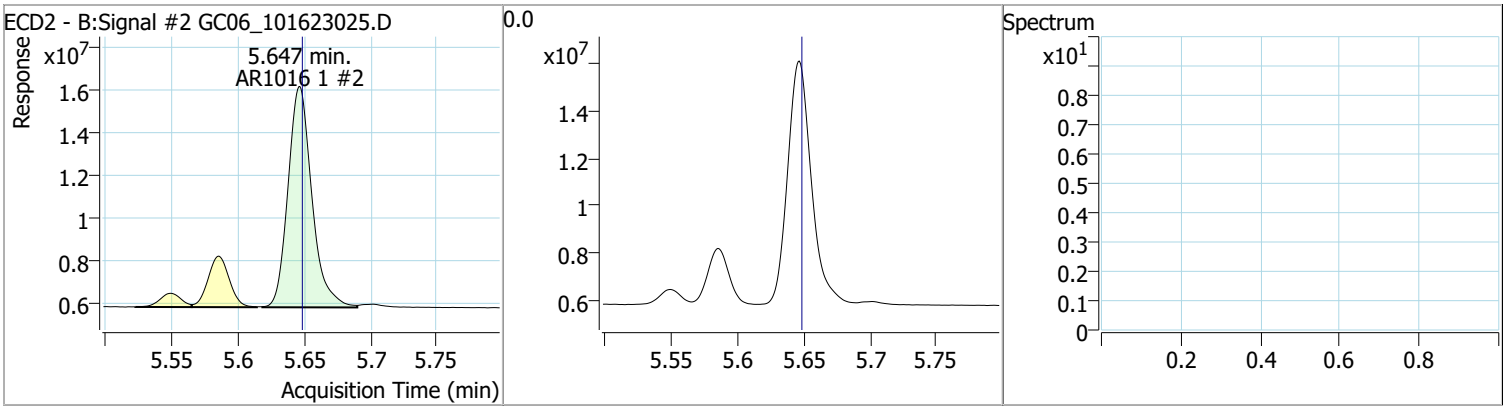
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1221.7617	5.22	0.00	4991436				



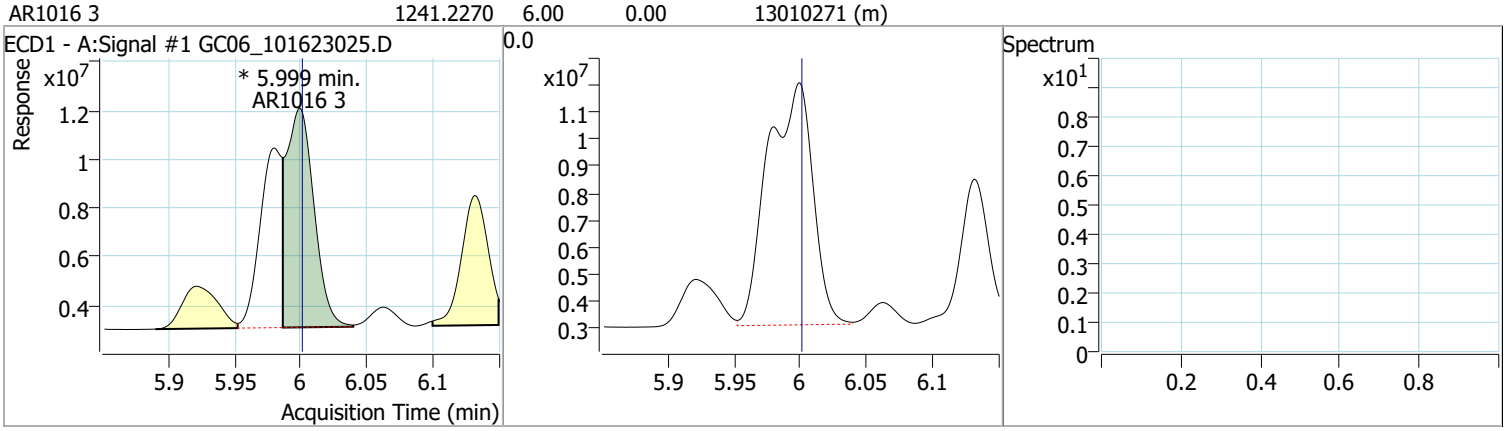
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1182.2204	5.55	0.00	9694078				



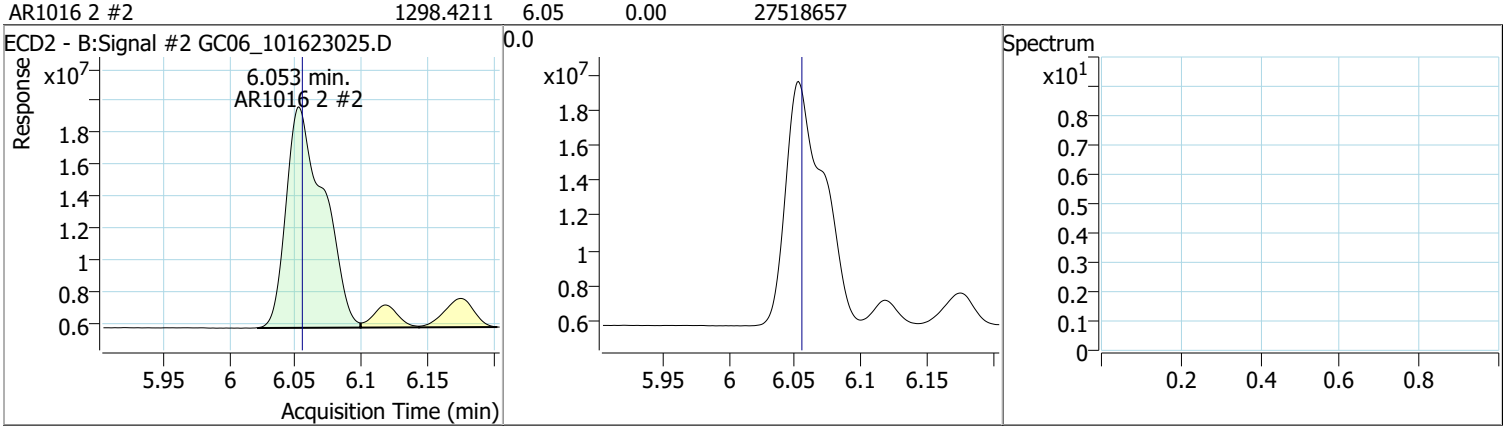
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1279.9751	5.65	0.00	12998941				



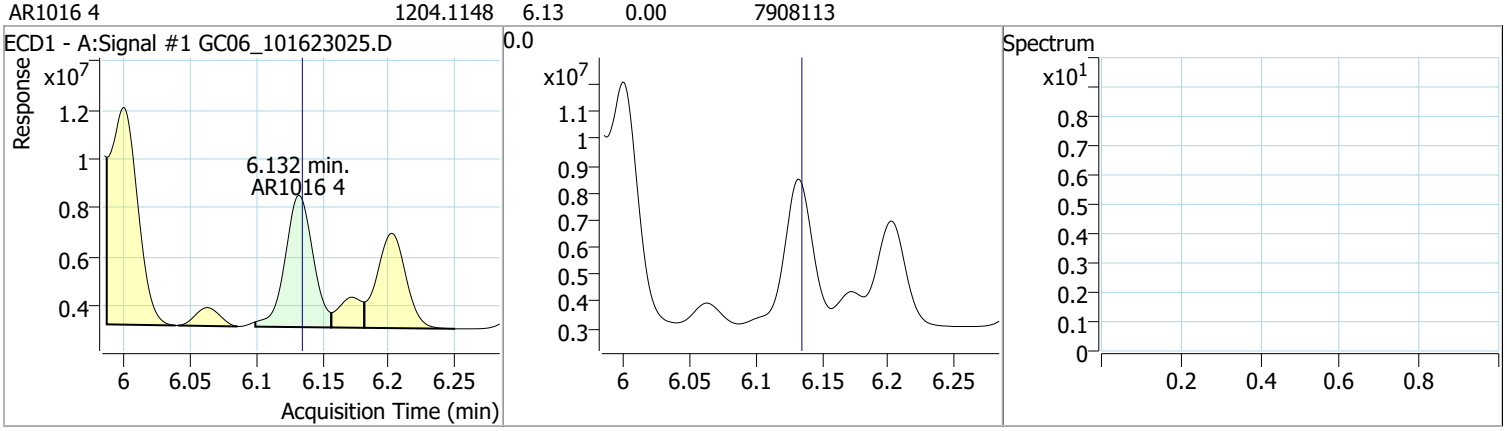
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1241.2270	6.00	0.00	13010271 (m)				



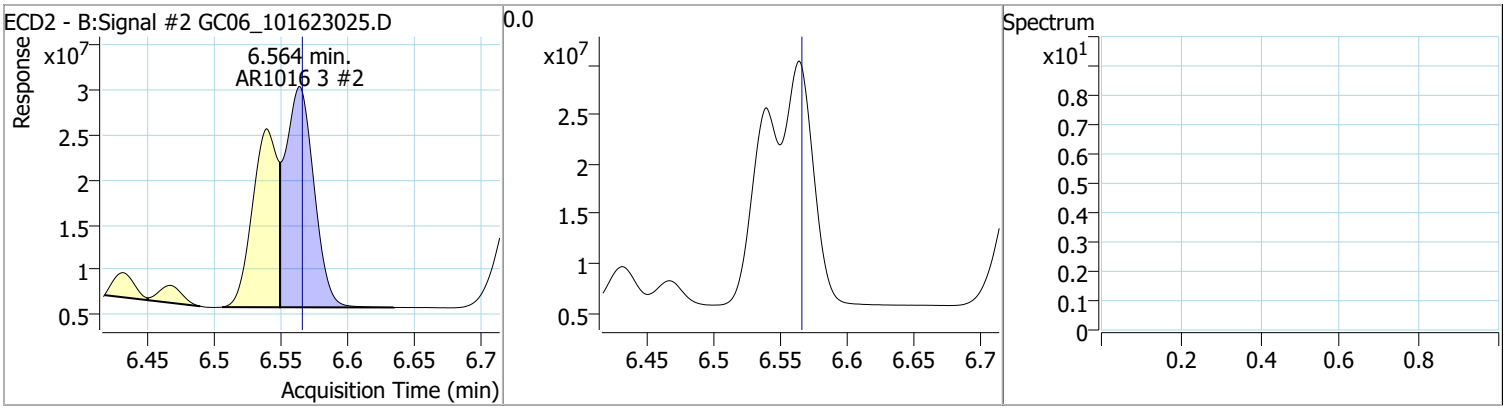
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1298.4211	6.05	0.00	27518657				



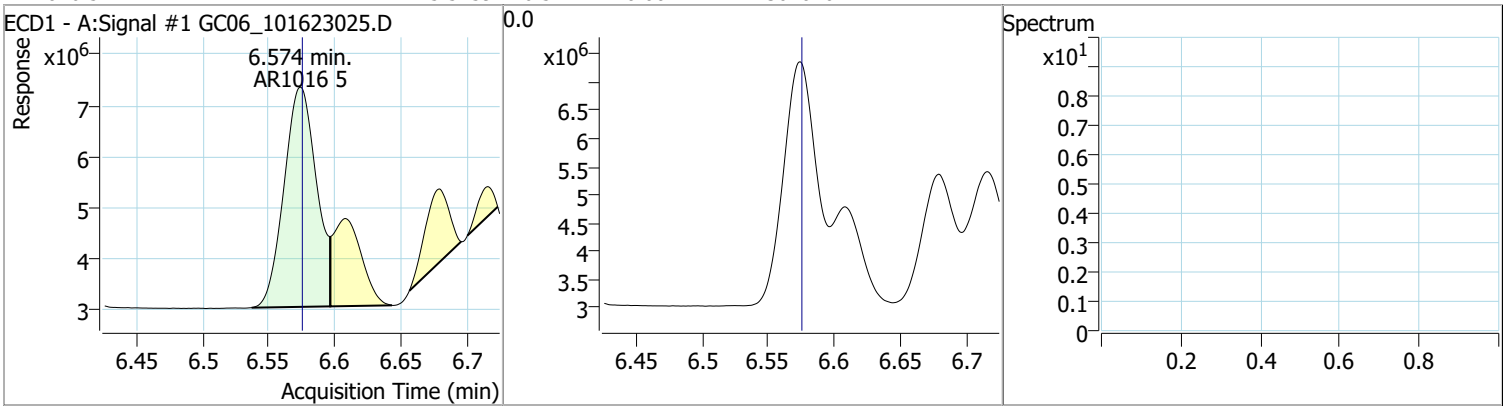
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1204.1148	6.13	0.00	7908113				



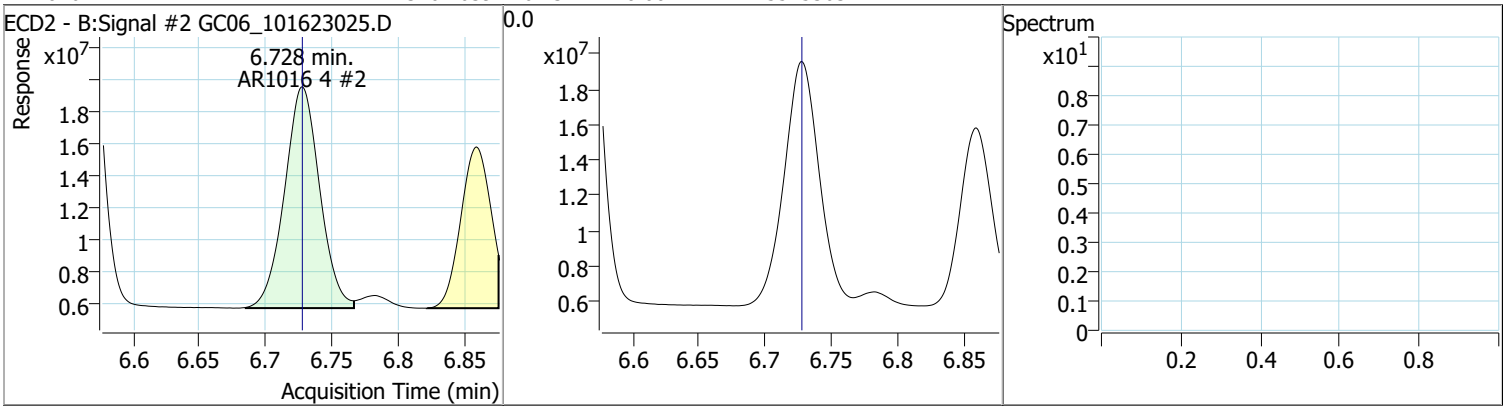
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1311.3795	6.56	0.00	36983725				



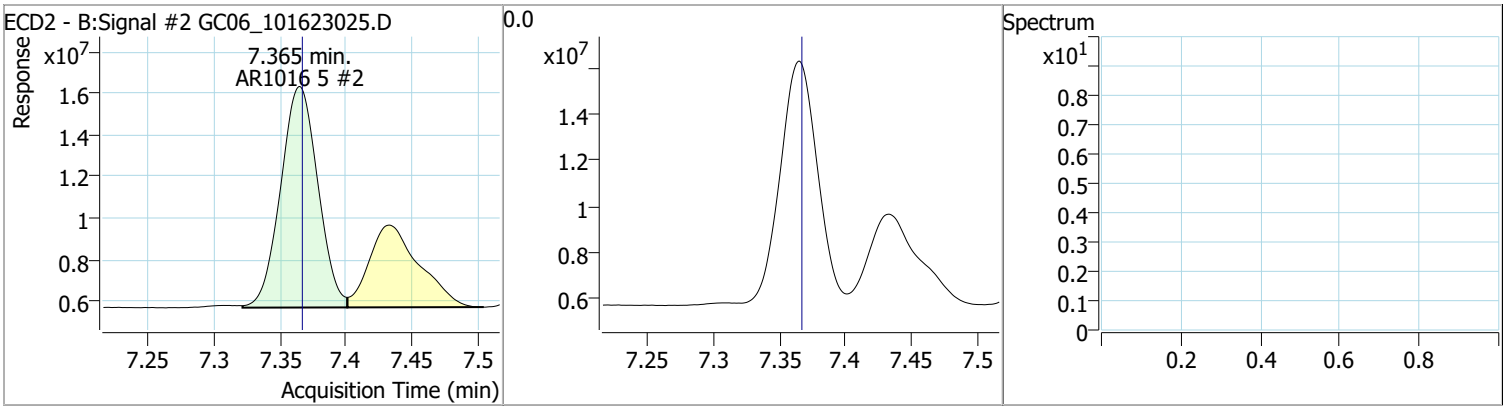
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1245.5159	6.57	0.00	7361010				



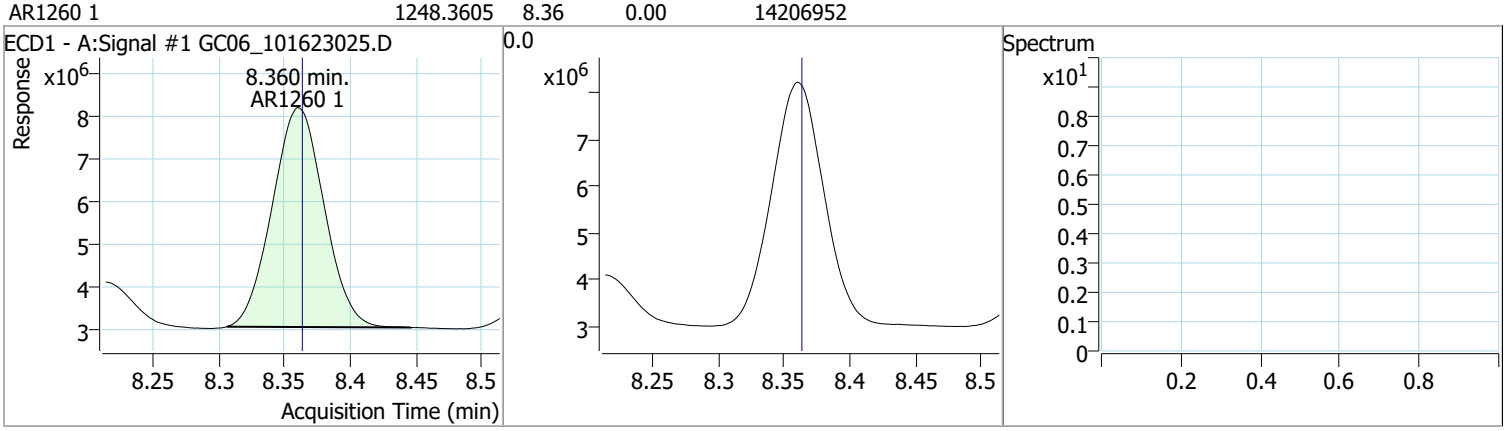
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1346.7639	6.73	0.00	25515363				



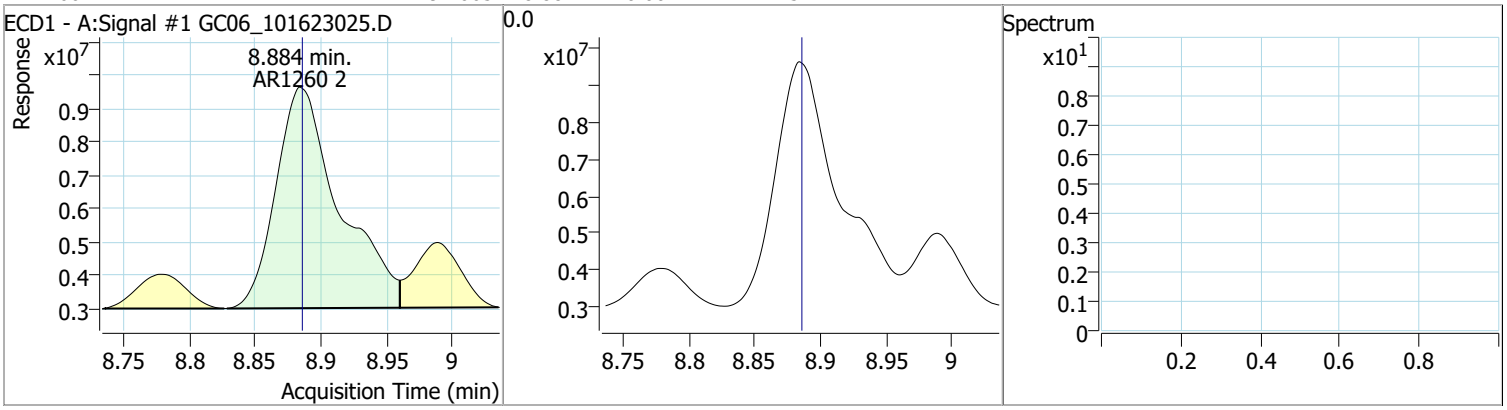
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1332.8679	7.37	0.00	20861971				



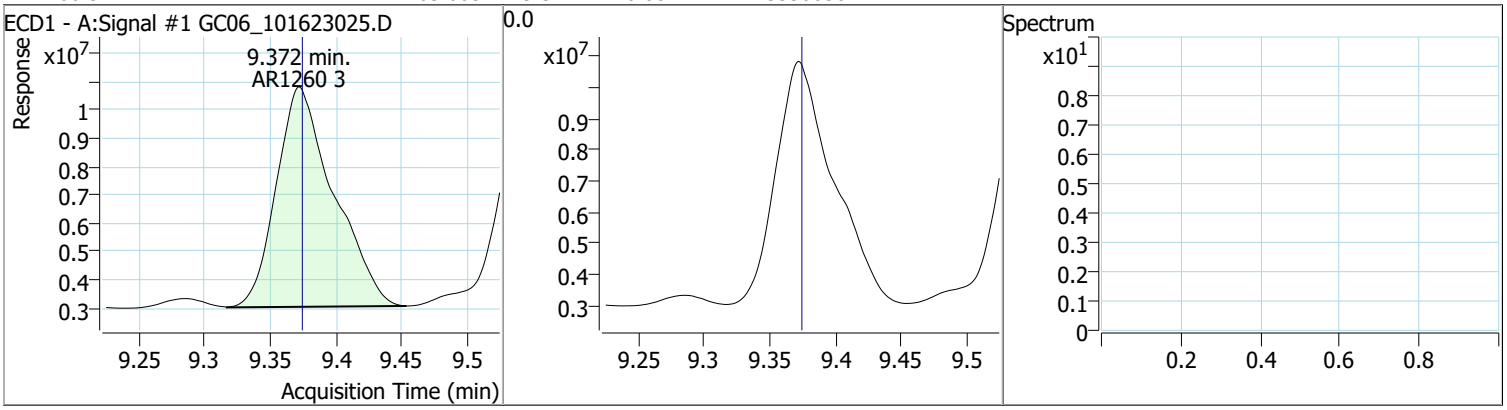
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1248.3605	8.36	0.00	14206952				



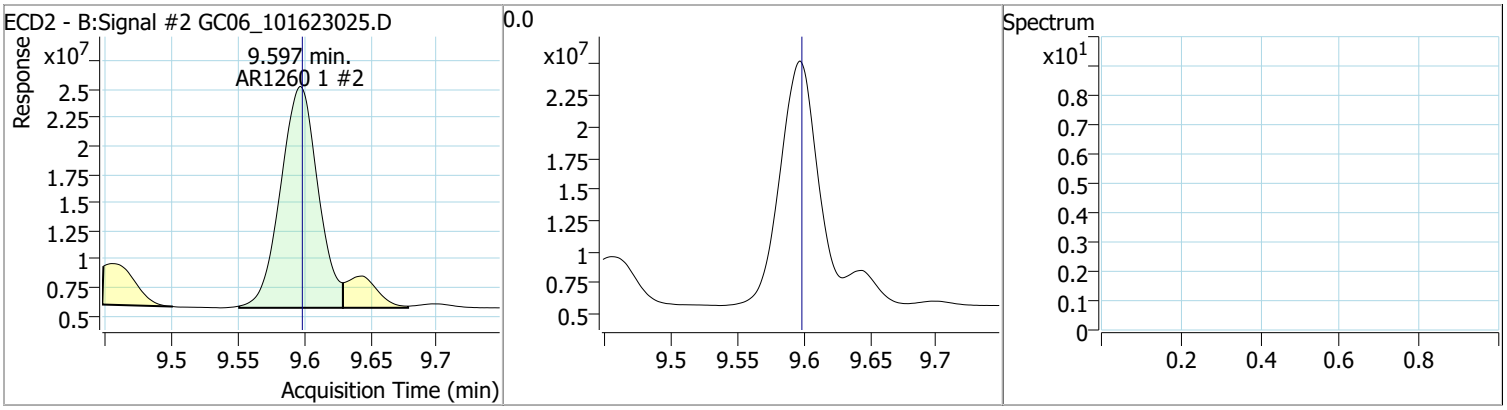
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1249.2065	8.88	0.00	22152742				



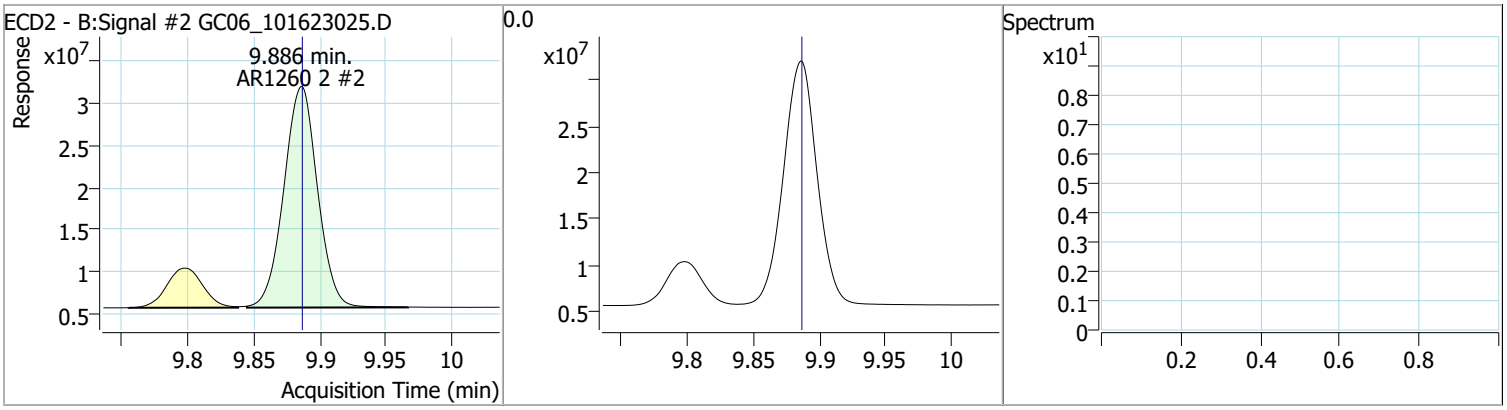
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1263.6054	9.37	0.00	23530030				



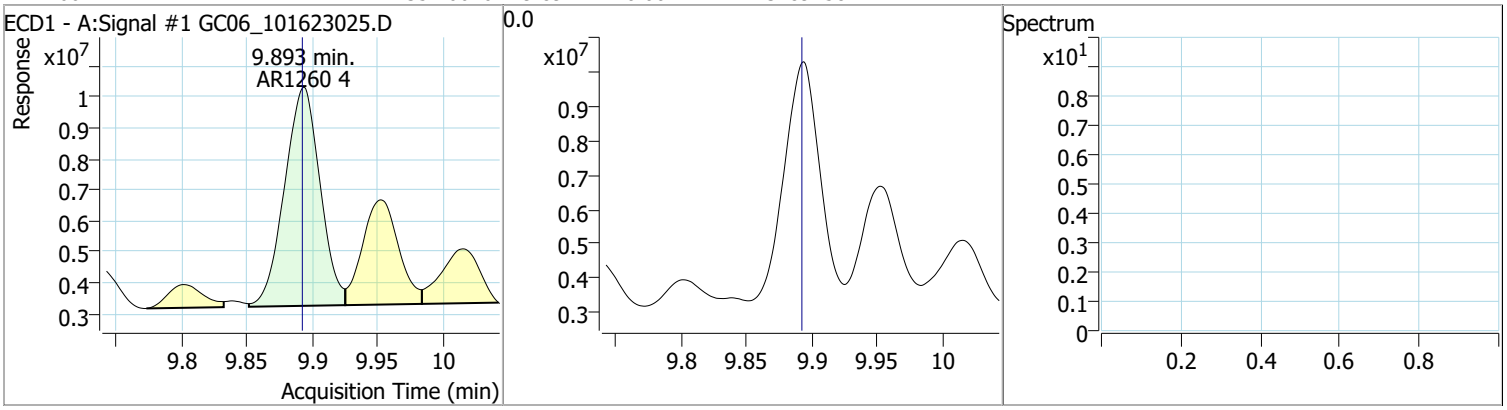
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1323.7066	9.60	0.00	38489221				



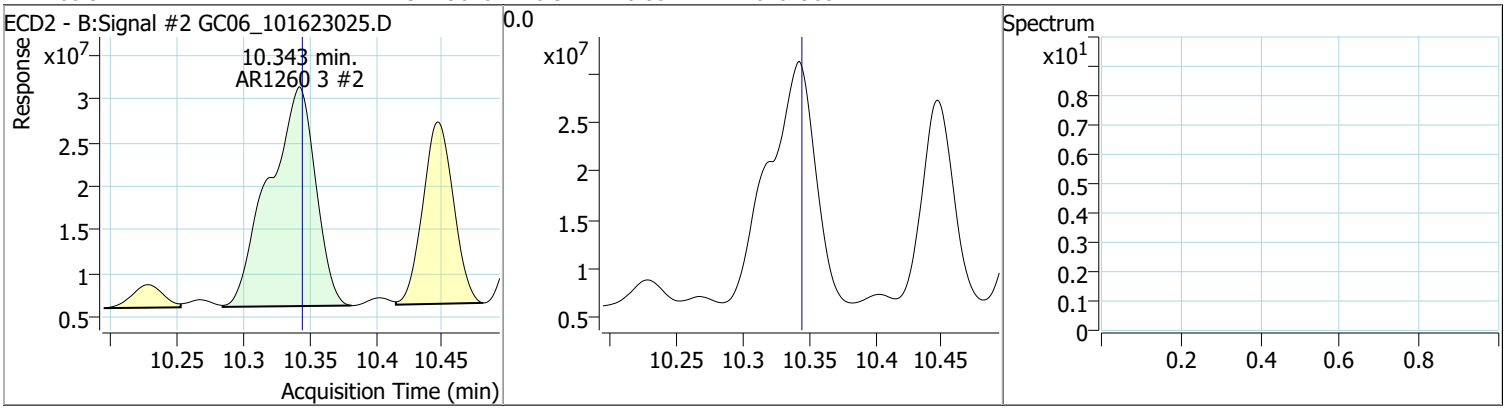
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1326.9657	9.89	0.00	46551606				



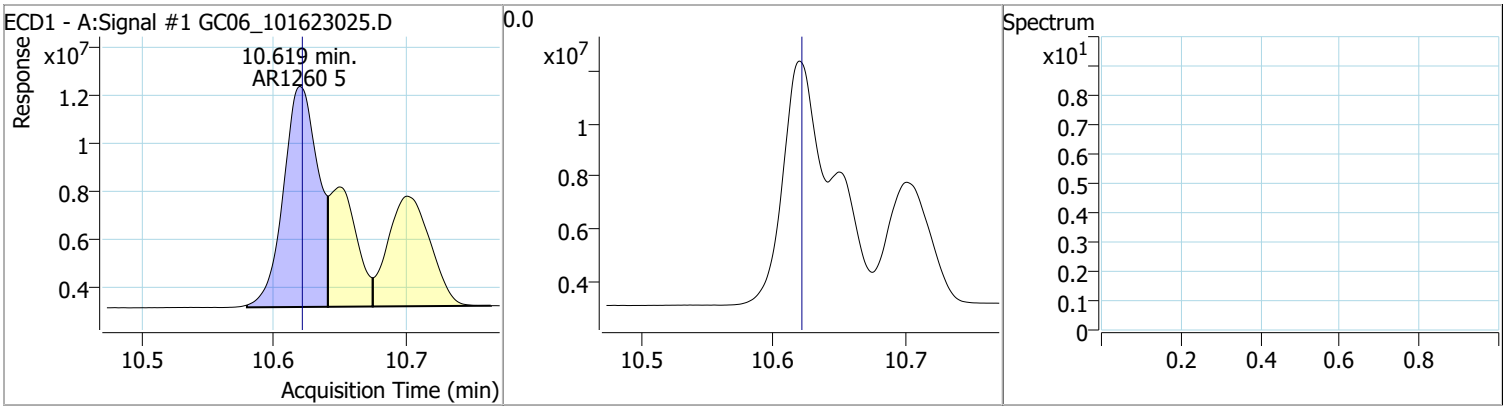
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1357.6616	9.89	0.00	13289458				



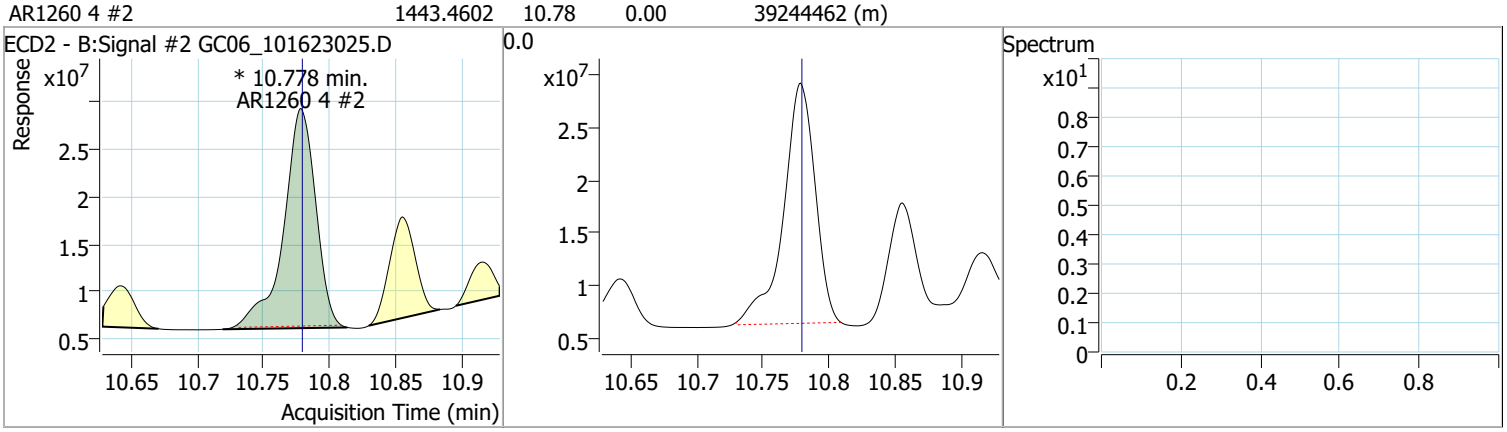
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1377.9040	10.34	0.00	61619654				



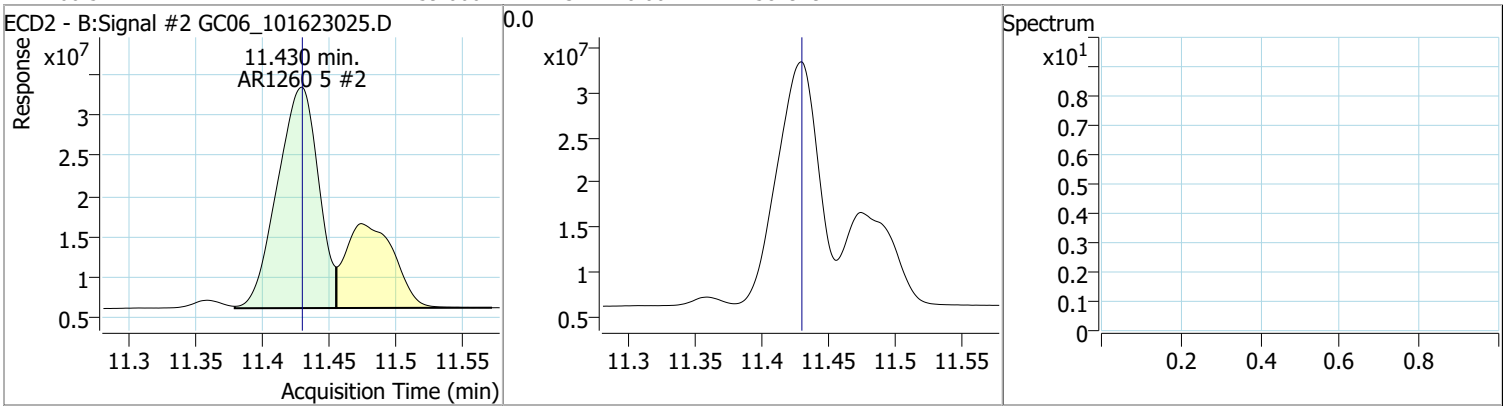
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1338.4078	10.62	0.00	16717409				



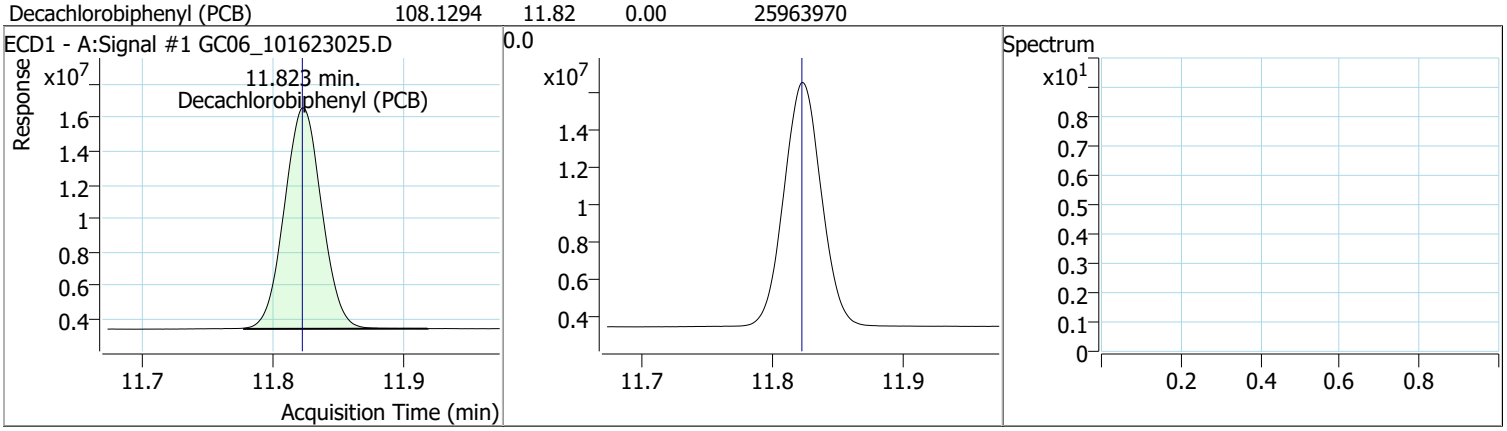
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1443.4602	10.78	0.00	39244462 (m)				



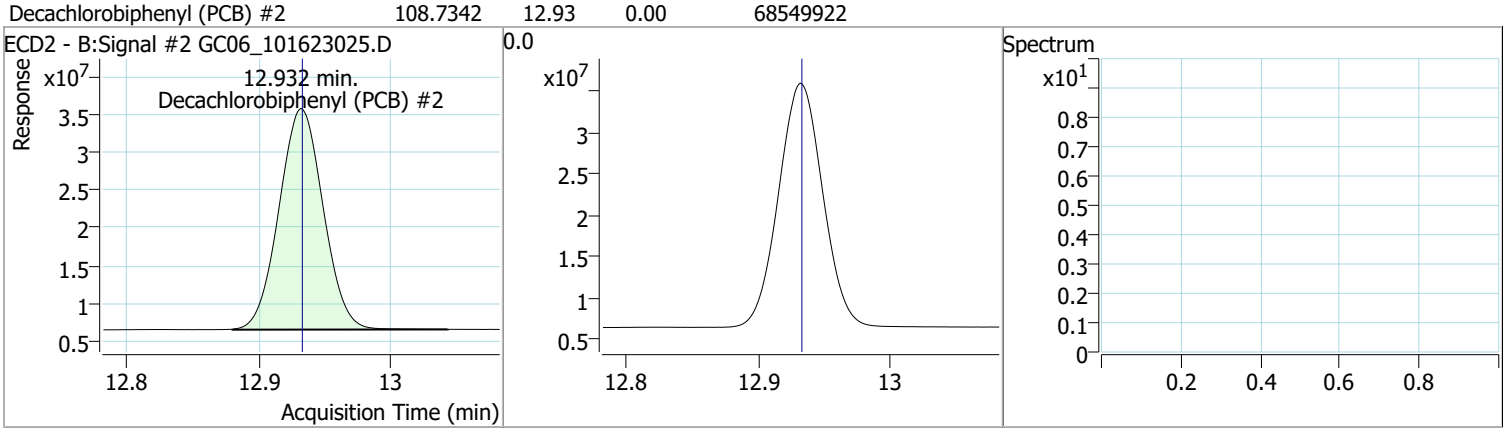
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1459.0661	11.43	0.00	58791941				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	108.1294	11.82	0.00	25963970				

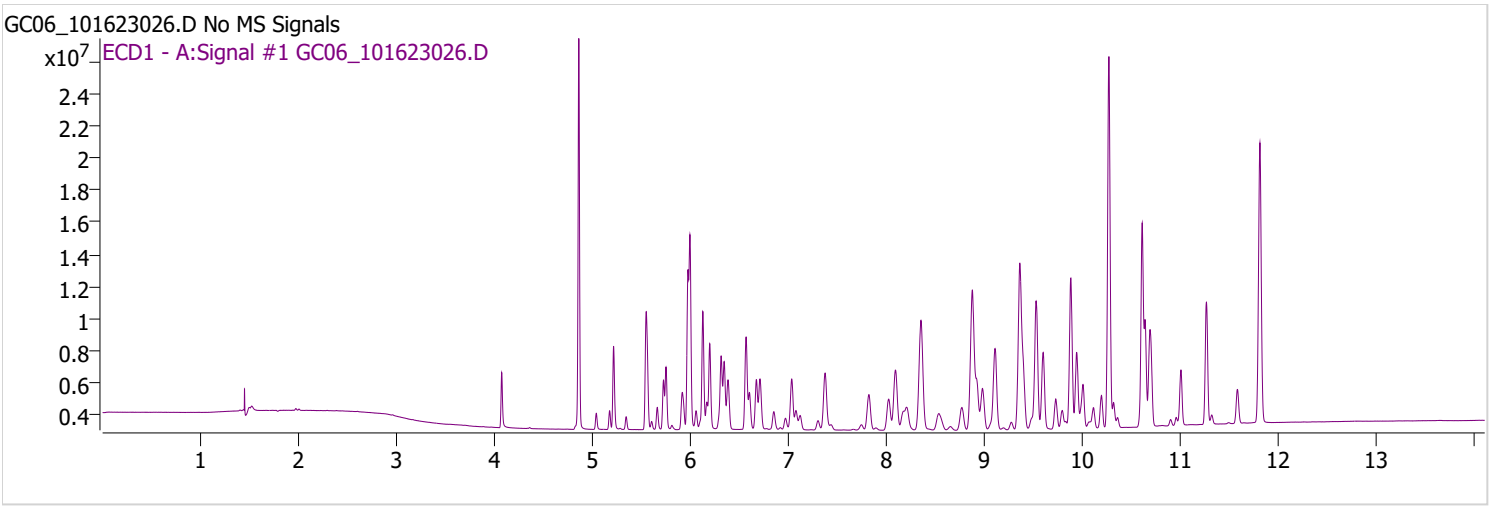


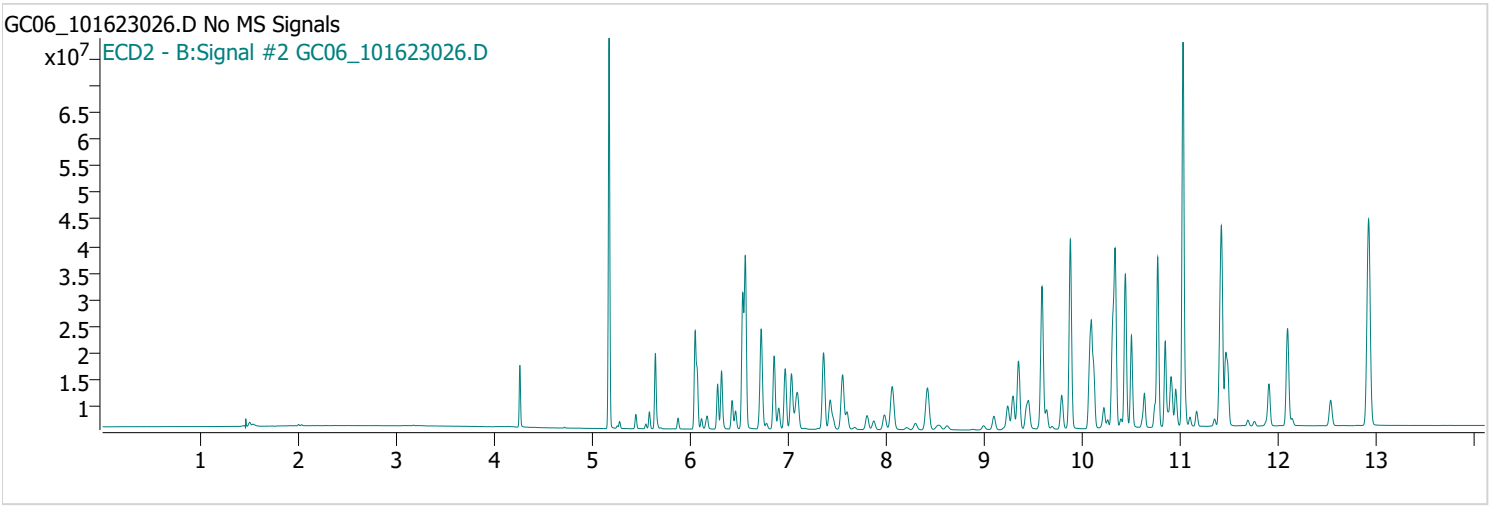
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	108.7342	12.93	0.00	68549922				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623026.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 4:58:44 PM
Sample Name	ICAL, S18463	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



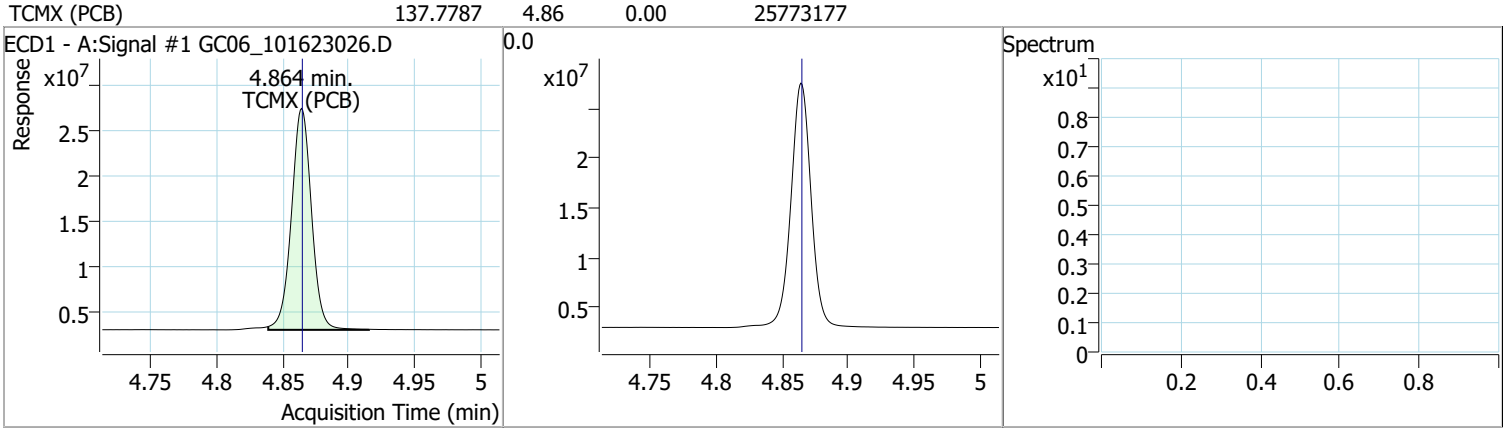


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.077	0.0	3759729.495	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10864418.077	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.864	0.0	25773177.479	137.7787	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 688.89%		*	
S TCMX (PCB) #2	5.173	0.0	75810608.559	148.4449	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 742.22%		*	
S Decachlorobiphenyl (PCB)	11.822	0.0	34101940.651	142.1878	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 710.94%		*	
S Decachlorobiphenyl (PCB) #2	12.932	0.0	90752207.606	145.5192	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 727.60%		*	
Target Compounds							QValue

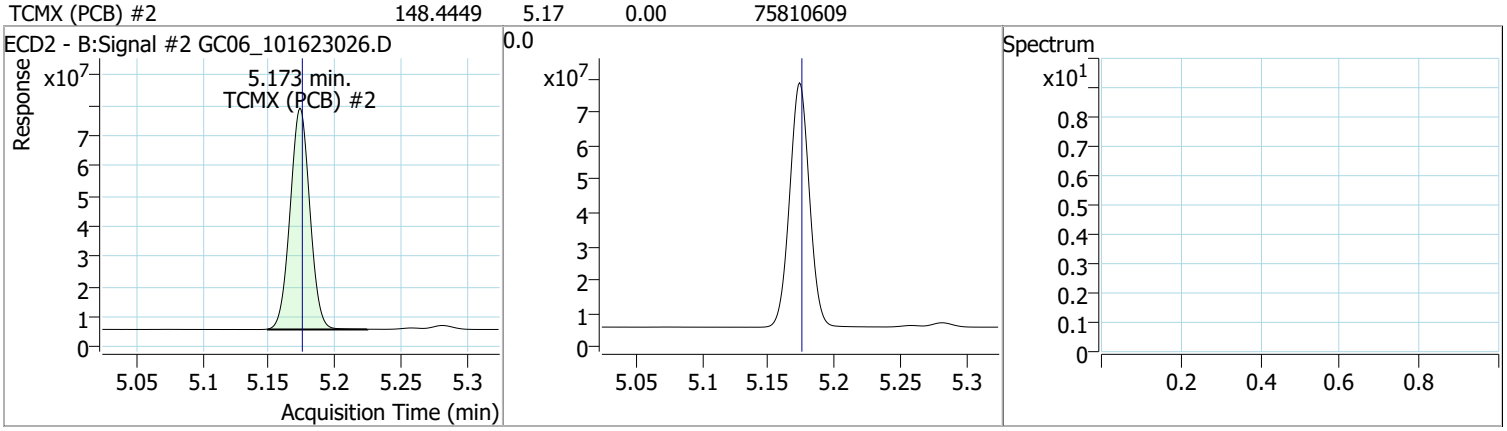
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.219	0.0	6536430.724	1601.8146	ng/ml		100
T AR1016 2	5.553	0.0	12752951.764	1557.0882	ng/ml		100
T AR1016 1 #2	5.646	0.0	17493130.095	1741.2648	ng/ml		100
T AR1016 3	5.999	0.0	17101033.054	1633.4196	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	36618475.571	1746.5955	ng/ml		100
T AR1016 4	6.131	0.0	10423831.597	1589.0333	ng/ml		100
T AR1016 3 #2	6.564	0.0	50736187.369	1818.6088	ng/ml		100
T AR1016 5	6.573	0.0	9717842.065	1646.2365	ng/ml		100
T AR1016 4 #2	6.727	0.0	34044576.789	1816.5250	ng/ml		100
T AR1016 5 #2	7.364	0.0	27856849.707	1799.1505	ng/ml		100
T AR1260 1	8.359	0.0	19135040.019	1683.3679	ng/ml		100
T AR1260 2	8.884	0.0	29256060.445	1651.7075	ng/ml		100
T AR1260 3	9.369	0.0	31287994.643	1682.1986	ng/ml		100
T AR1260 1 #2	9.596	0.0	51983776.928	1807.2746	ng/ml		100
T AR1260 2 #2	9.885	0.0	62874731.550	1811.7776	ng/ml		100
T AR1260 4	9.890	0.0	17733874.441	1813.8377	ng/ml		100
T AR1260 3 #2	10.342	0.0	84184543.421	1902.9868	ng/ml		100
T AR1260 5	10.619	0.0	22762007.090	1824.4863	ng/ml		100
T AR1260 4 #2	10.778	0.0	53907732.850	2004.3854	ng/ml	m	100
T AR1260 5 #2	11.428	0.0	80622117.711	2022.6236	ng/ml		100

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

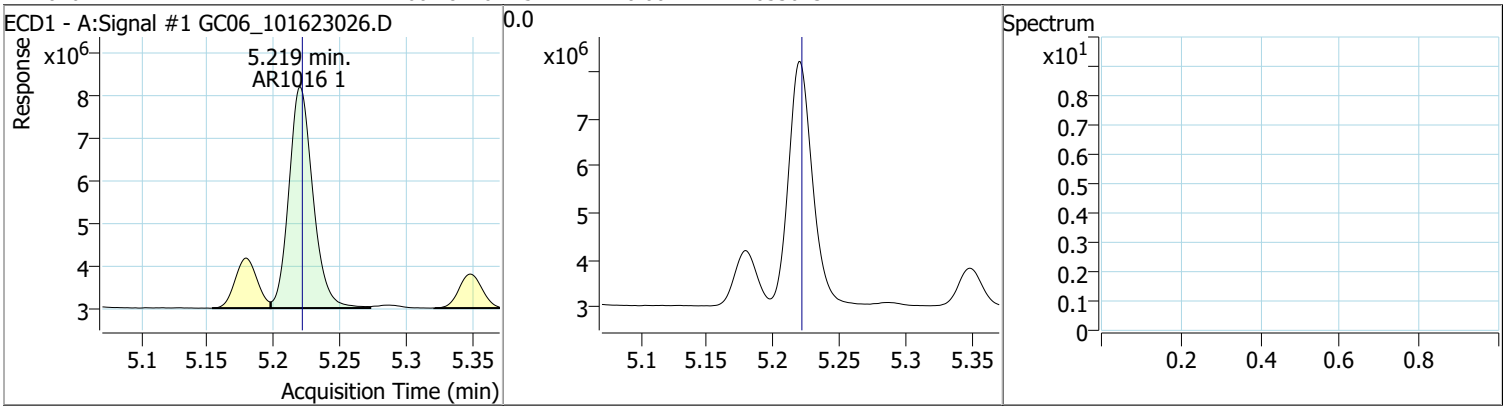
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	137.7787	4.86	0.00	25773177				



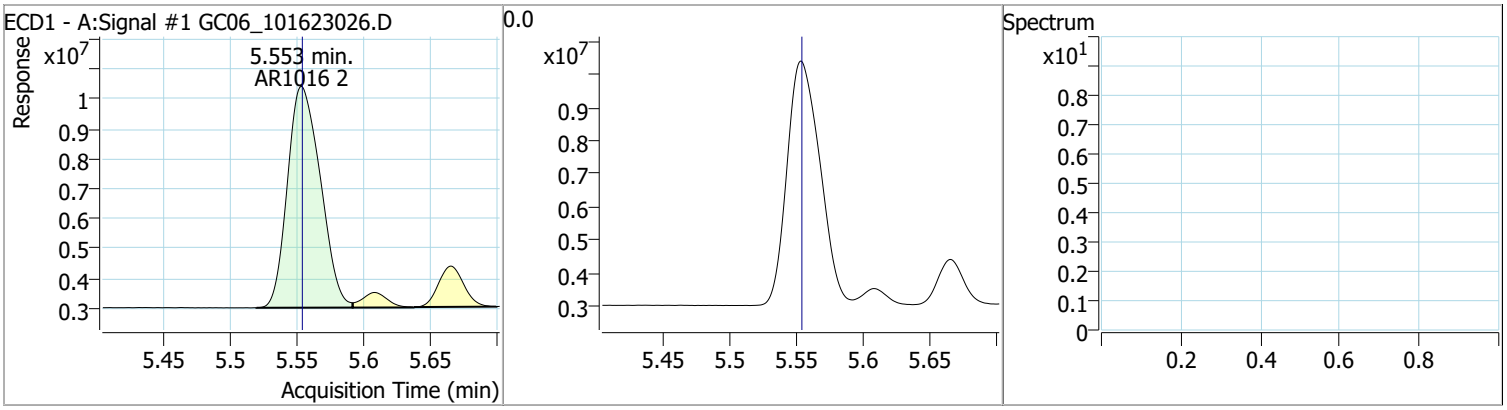
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	148.4449	5.17	0.00	75810609				



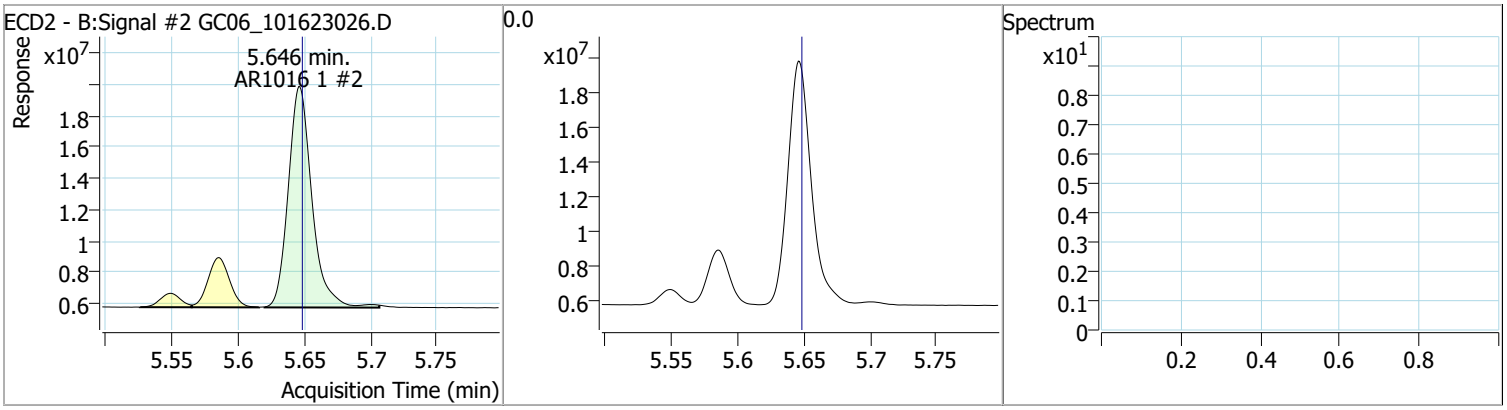
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1601.8146	5.22	0.00	6536431				



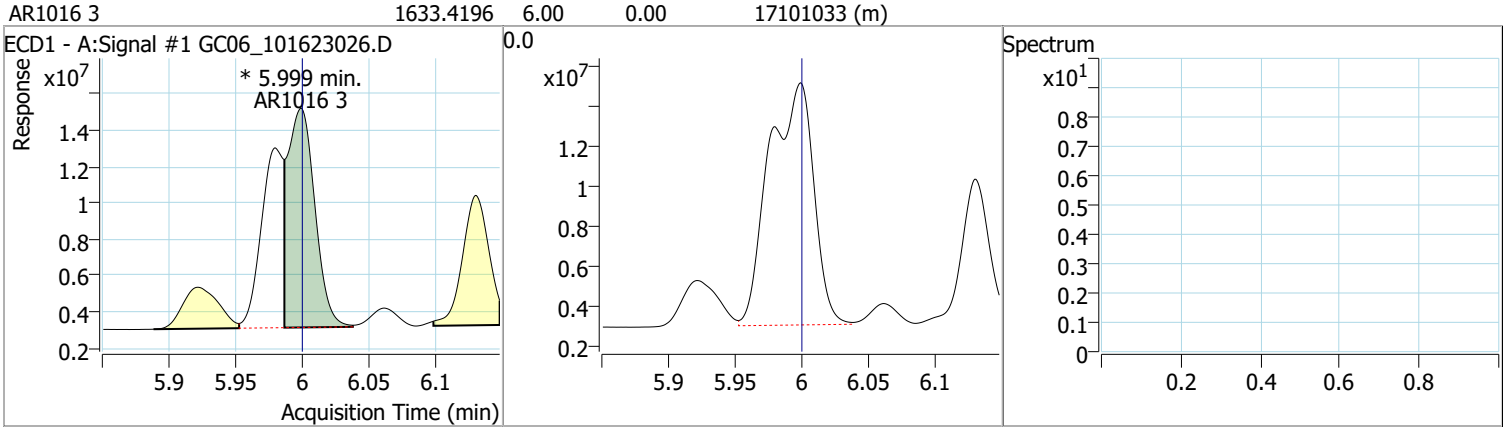
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1557.0882	5.55	0.00	12752952				



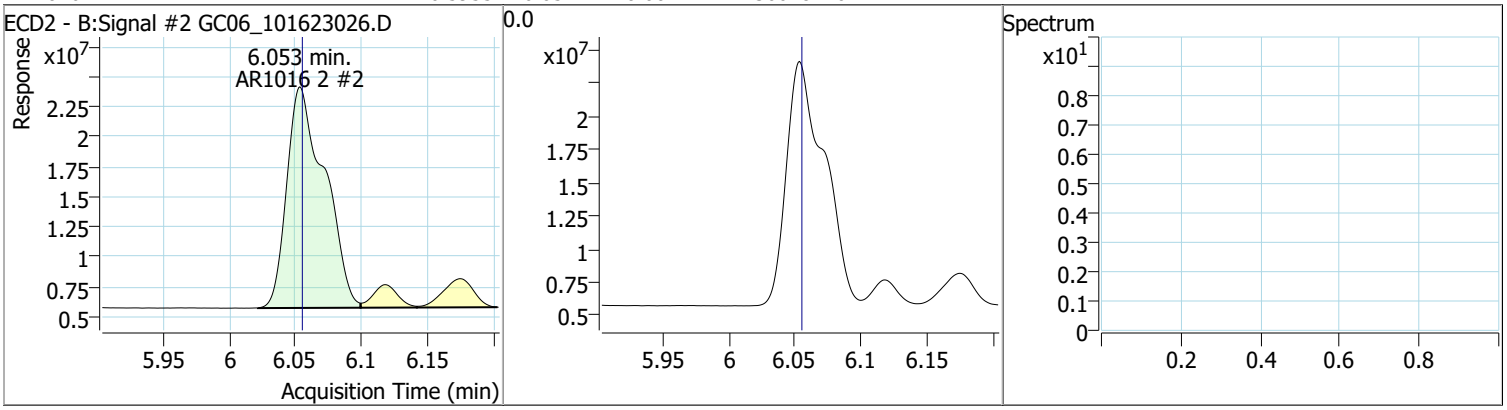
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1741.2648	5.65	0.00	17493130				



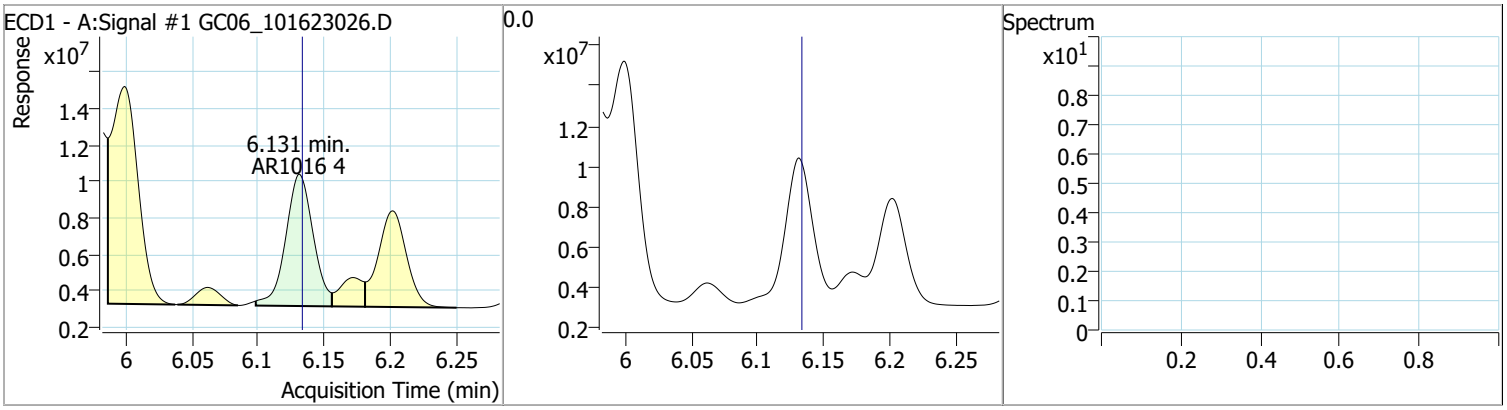
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1633.4196	6.00	0.00	17101033 (m)				



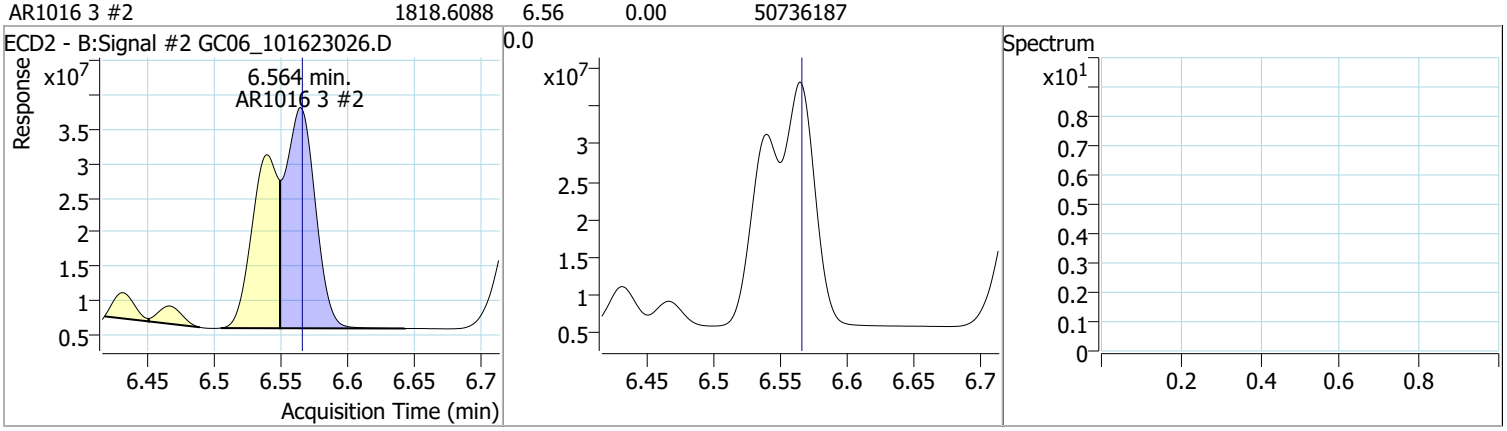
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1746.5955	6.05	0.00	36618476				



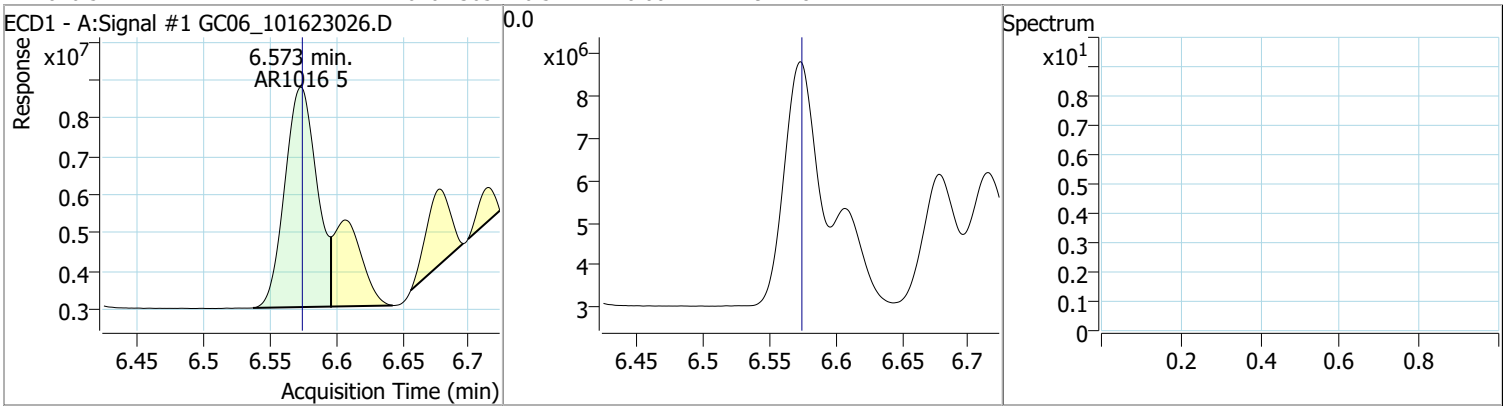
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1589.0333	6.13	0.00	10423832				



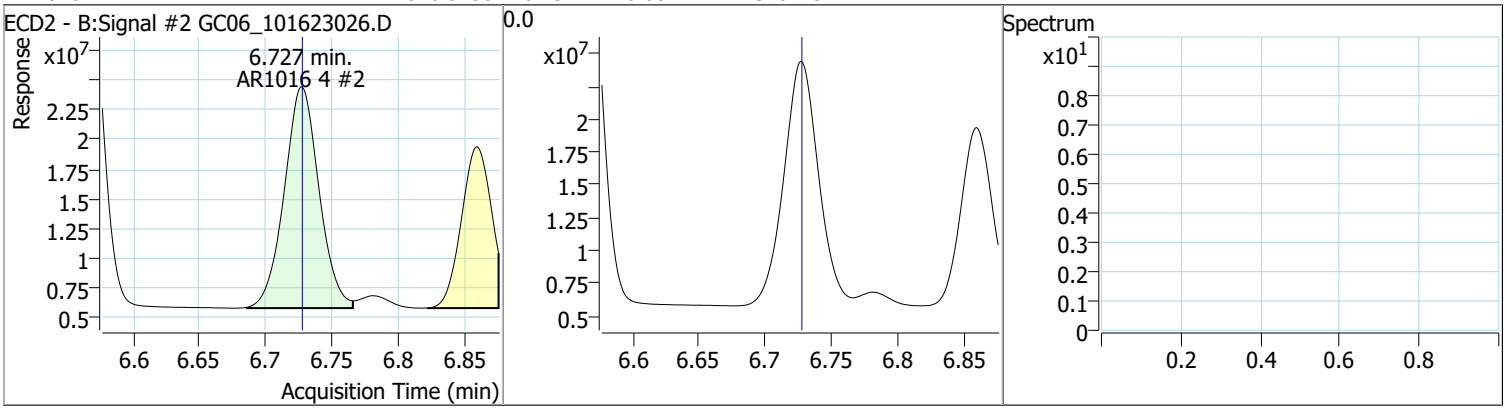
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1818.6088	6.56	0.00	50736187				



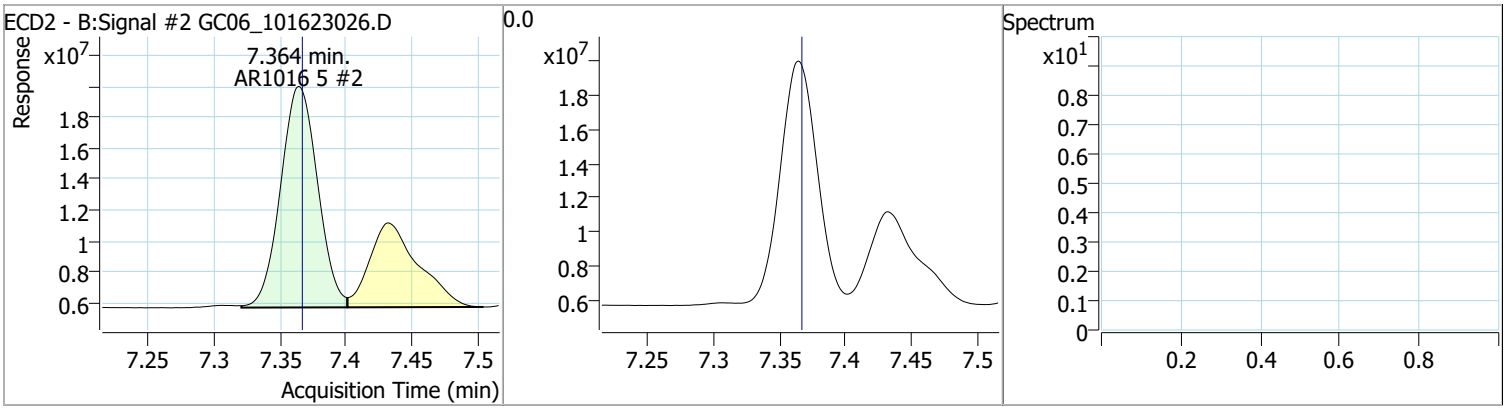
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1646.2365	6.57	0.00	9717842				



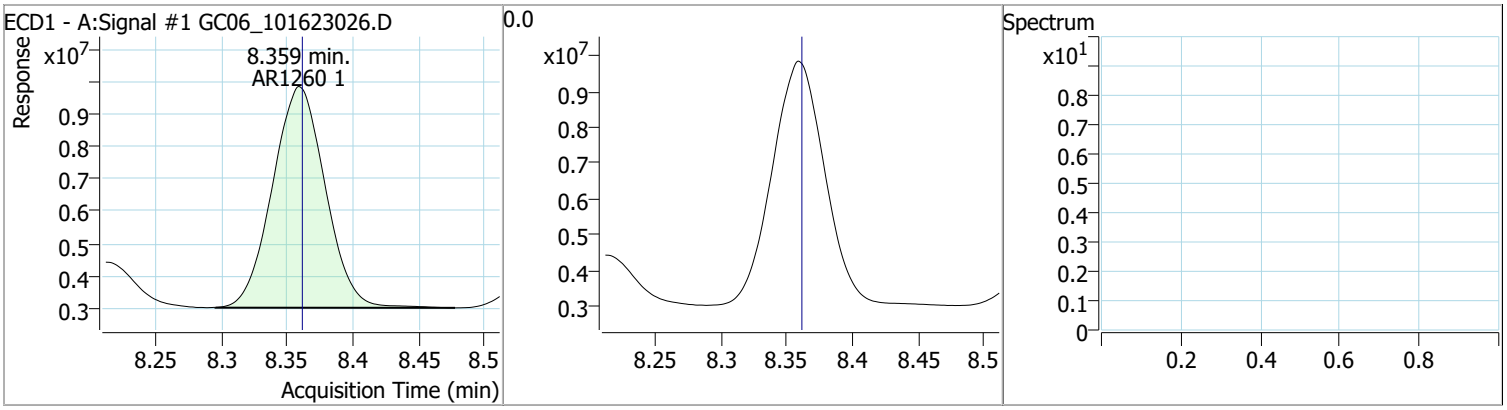
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1816.5250	6.73	0.00	34044577				



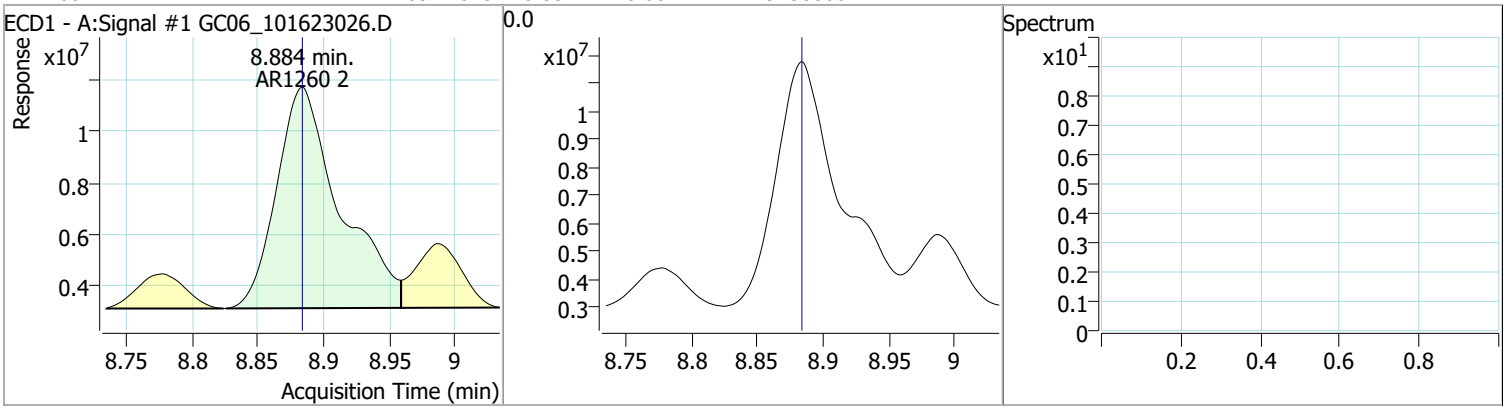
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1799.1505	7.36	0.00	27856850				



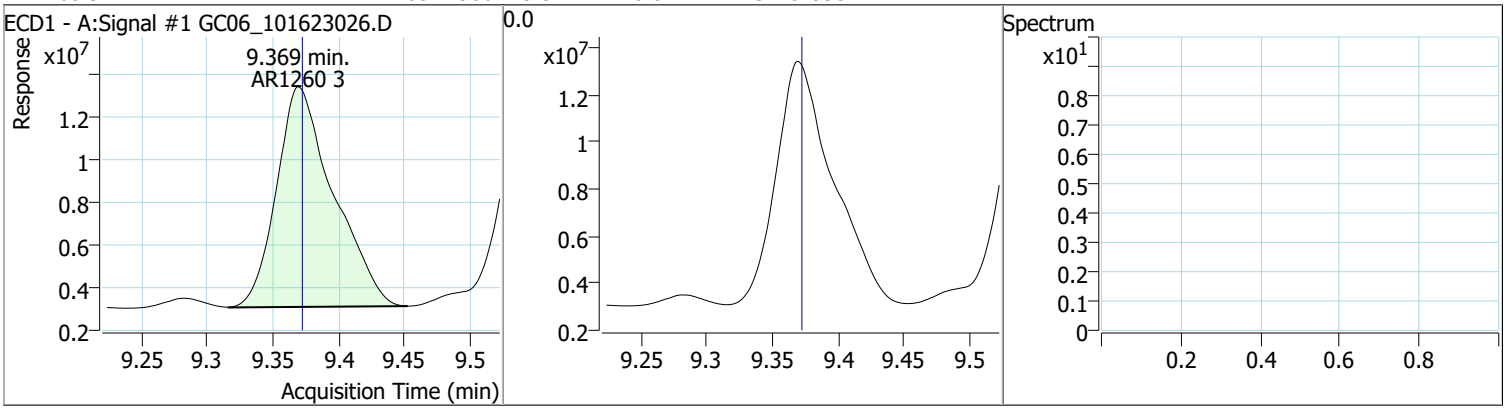
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1683.3679	8.36	0.00	19135040				



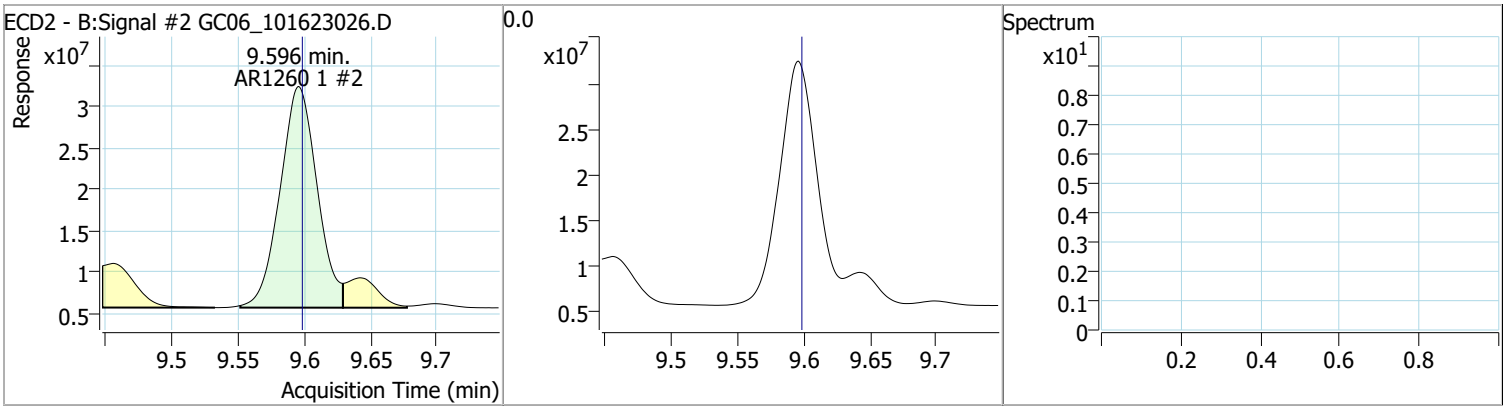
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1651.7075	8.88	0.00	29256060				



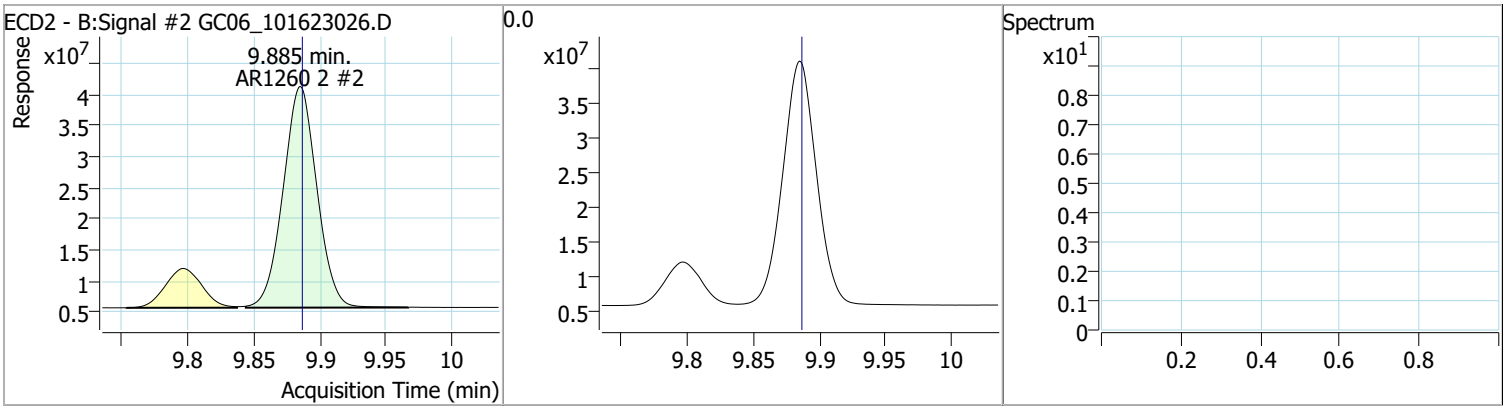
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1682.1986	9.37	-0.01	31287995				



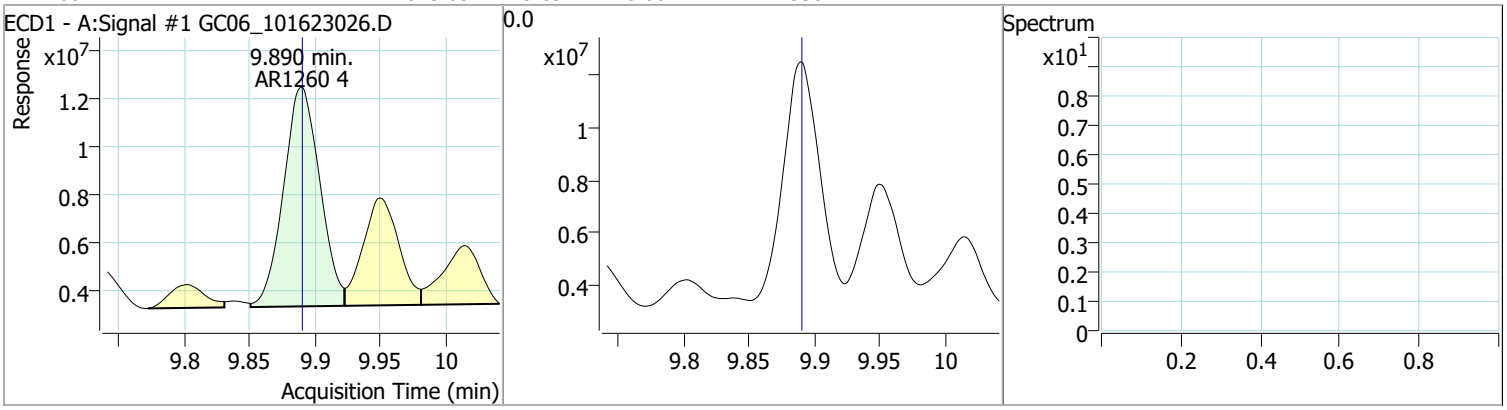
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1807.2746	9.60	0.00	51983777				



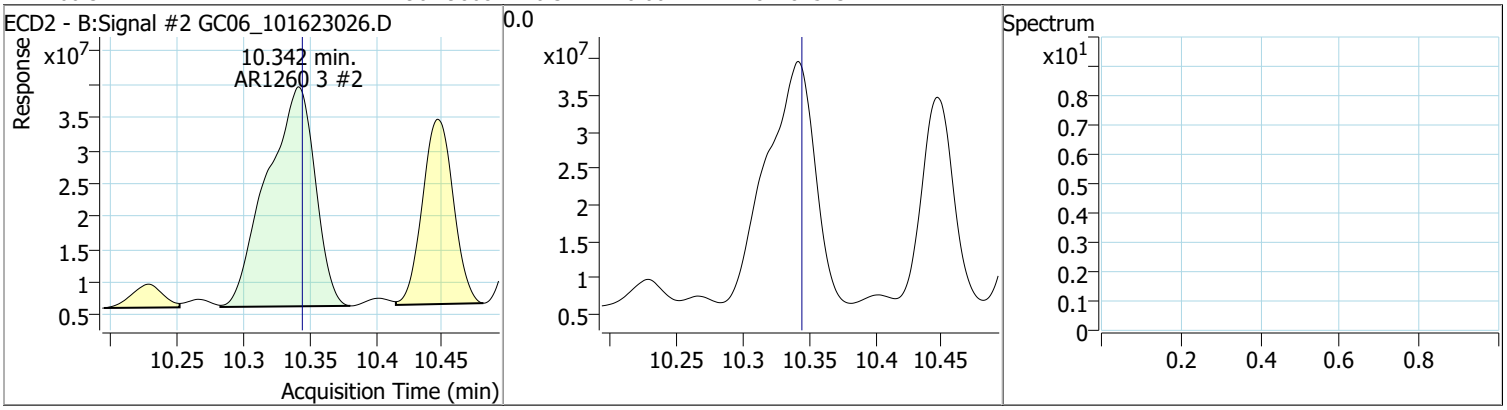
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1811.7776	9.89	0.00	62874732				



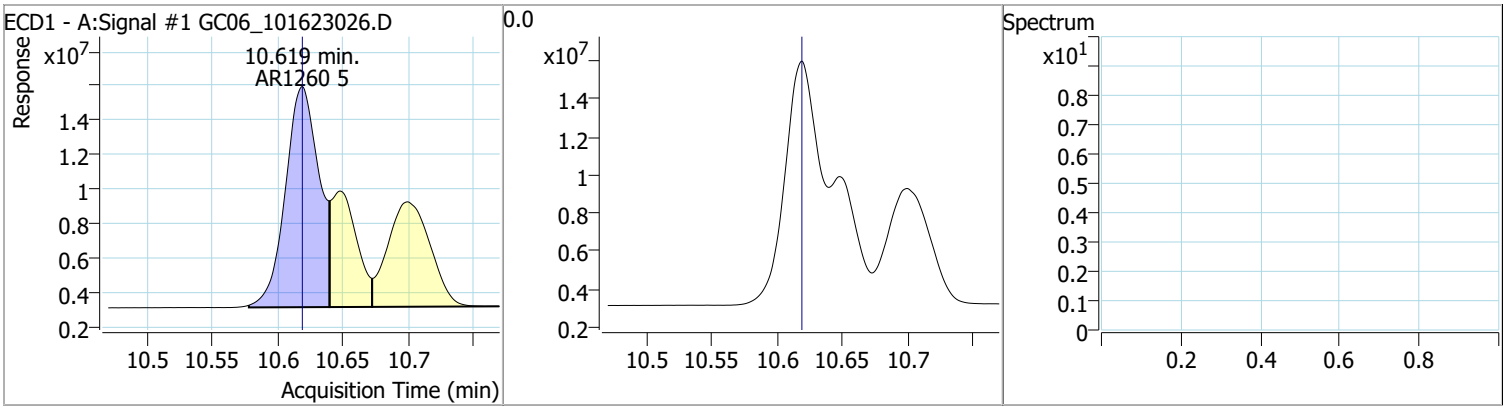
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1813.8377	9.89	0.00	17733874				



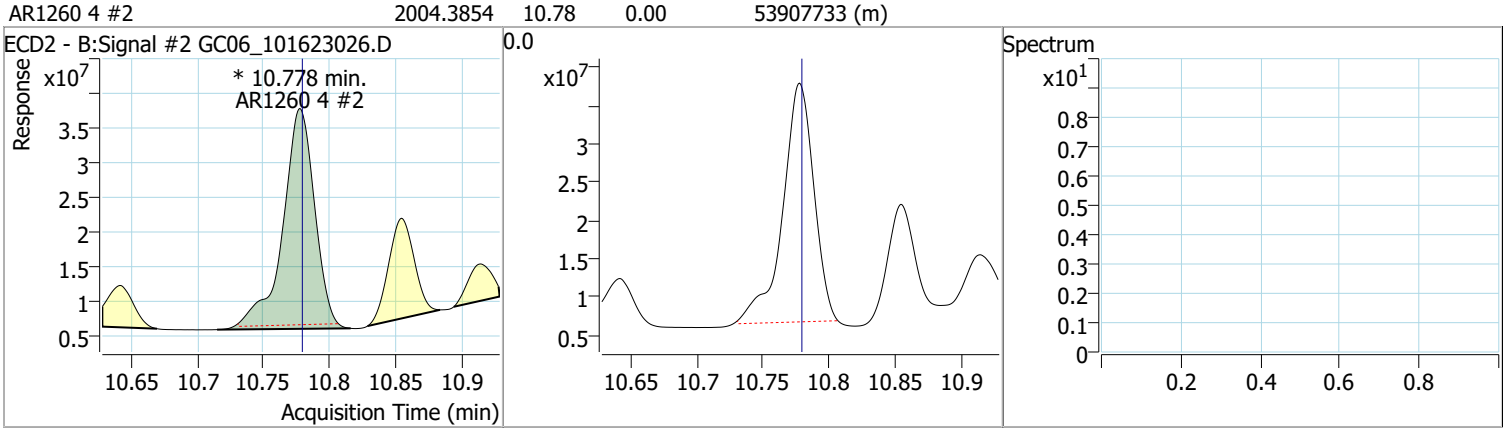
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1902.9868	10.34	0.00	84184543				



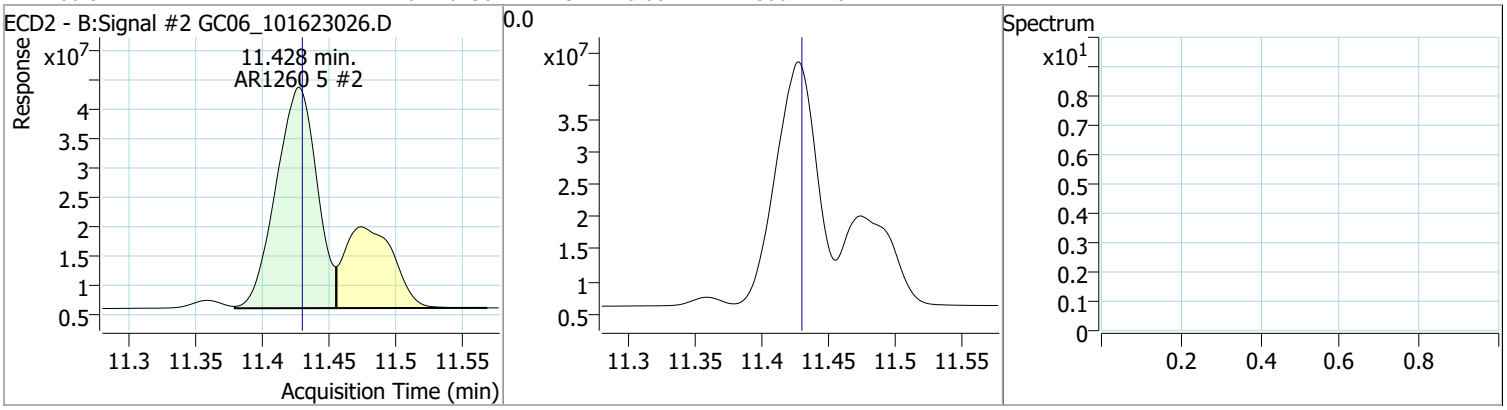
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1824.4863	10.62	0.00	22762007				



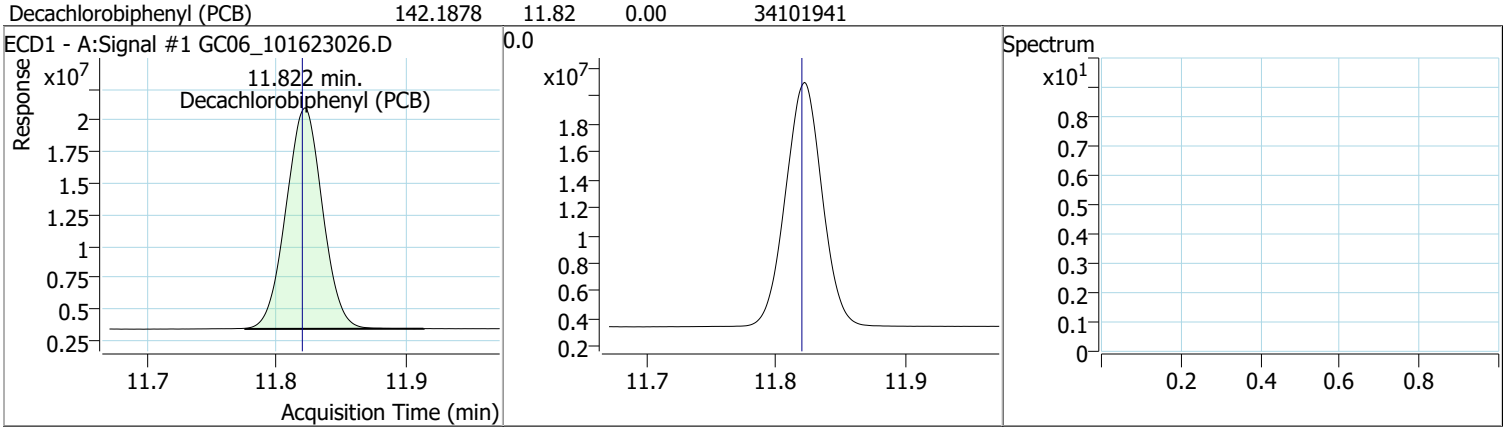
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2004.3854	10.78	0.00	53907733 (m)				



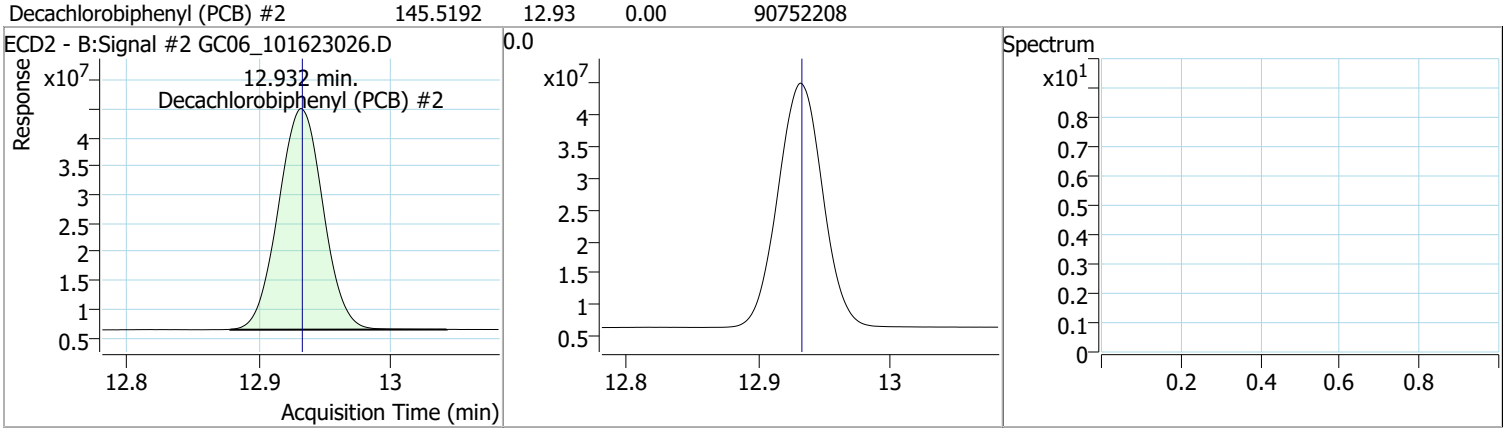
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	2022.6236	11.43	0.00	80622118				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	142.1878	11.82	0.00	34101941				

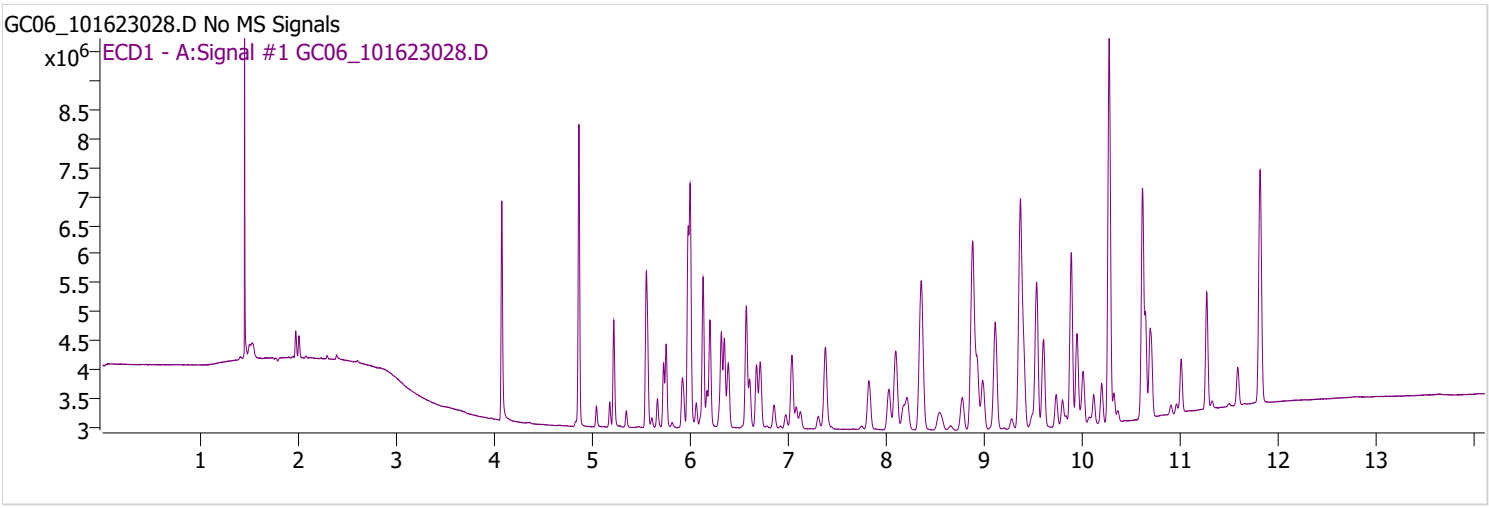


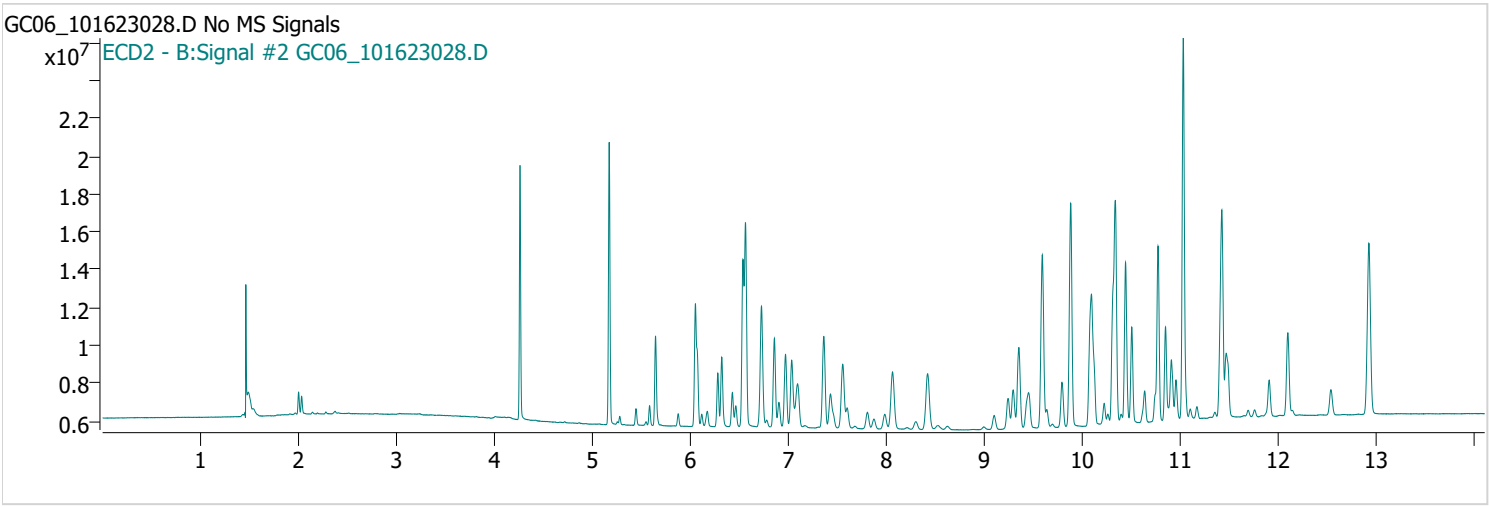
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	145.5192	12.93	0.00	90752208				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623028.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 5:36:51 PM
Sample Name	ICV, S18851	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



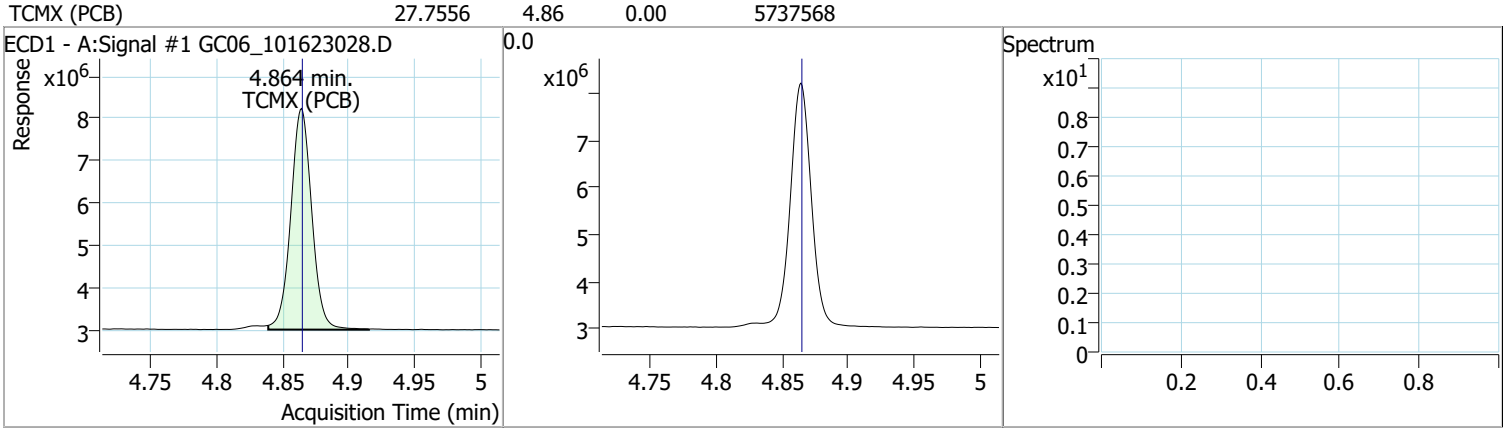


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.077	0.0	4154774.463	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	12081595.135	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.864	0.0	5737567.924	27.7556	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.78%			
S TCMX (PCB) #2	5.173	0.0	15985491.337	28.1477	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.74%			
S Decachlorobiphenyl (PCB)	11.820	0.0	8160238.245	30.7890	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.94%		*	
S Decachlorobiphenyl (PCB) #2	12.931	0.0	20720951.426	29.8782	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.39%			
Target Compounds							QValue

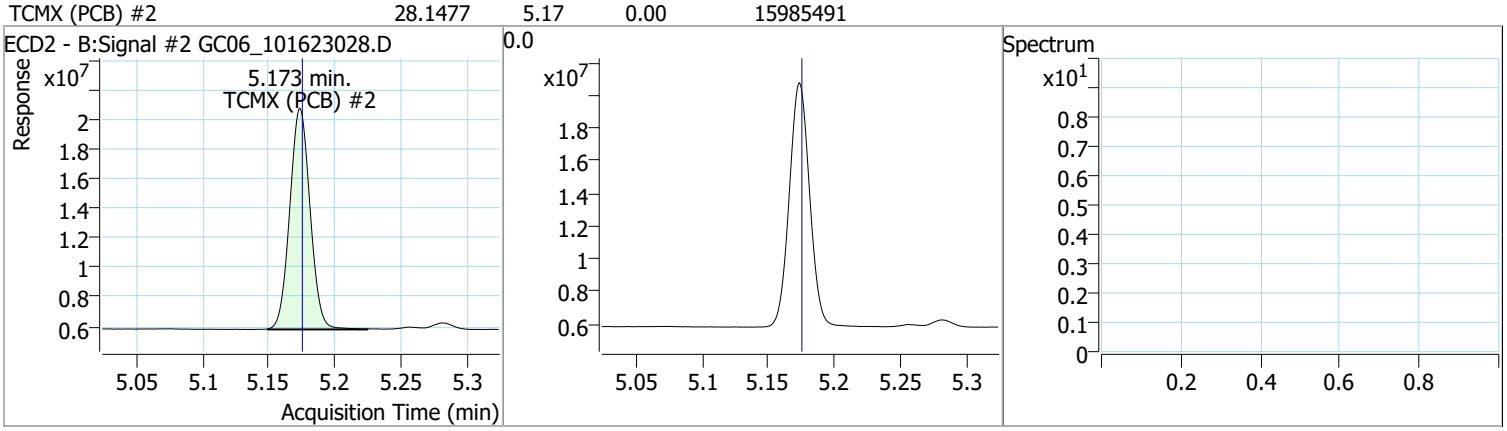
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.220	0.0	2342169.251	519.3965	ng/ml		100
T AR1016 2	5.553	0.0	4639832.738	512.6417	ng/ml		100
T AR1016 1 #2	5.647	0.0	6026345.954	539.4281	ng/ml		100
T AR1016 3	5.999	0.0	6055563.215	552.8531	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	12770190.013	547.7364	ng/ml		100
T AR1016 4	6.132	0.0	3784231.757	522.0264	ng/ml		100
T AR1016 3 #2	6.564	0.0	16690170.051	537.9779	ng/ml		100
T AR1016 5	6.573	0.0	3498828.529	536.3573	ng/ml		100
T AR1016 4 #2	6.728	0.0	11697332.367	561.2579	ng/ml		100
T AR1016 5 #2	7.364	0.0	9413535.536	546.7269	ng/ml		100
T AR1260 1	8.359	0.0	7207516.453	573.7787	ng/ml		100
T AR1260 2	8.886	0.0	11154916.835	569.8923	ng/ml		100
T AR1260 3	9.373	0.0	11769338.039	572.6124	ng/ml		100
T AR1260 1 #2	9.596	0.0	18275953.439	571.3715	ng/ml		100
T AR1260 2 #2	9.886	0.0	21956176.202	568.9415	ng/ml		100
T AR1260 4	9.891	0.0	5600224.655	518.3336	ng/ml		100
T AR1260 3 #2	10.342	0.0	29591418.610	601.5218	ng/ml		100
T AR1260 5	10.619	0.0	7374665.951	534.9110	ng/ml	m	100
T AR1260 4 #2	10.778	0.0	16227133.525	542.5680	ng/ml	m	100
T AR1260 5 #2	11.429	0.0	23475695.353	529.6165	ng/ml		100

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

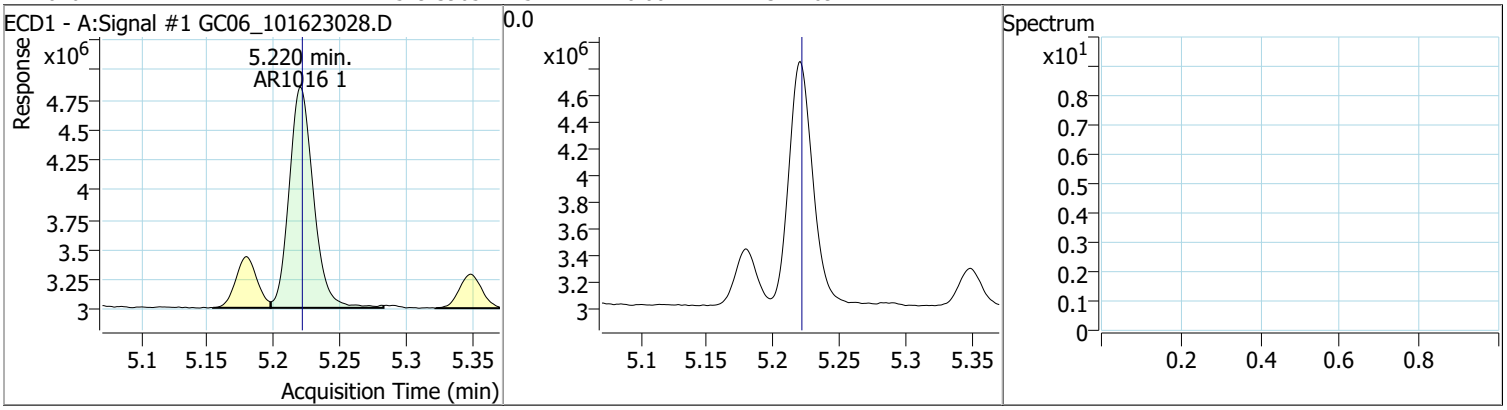
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.7556	4.86	0.00	5737568				



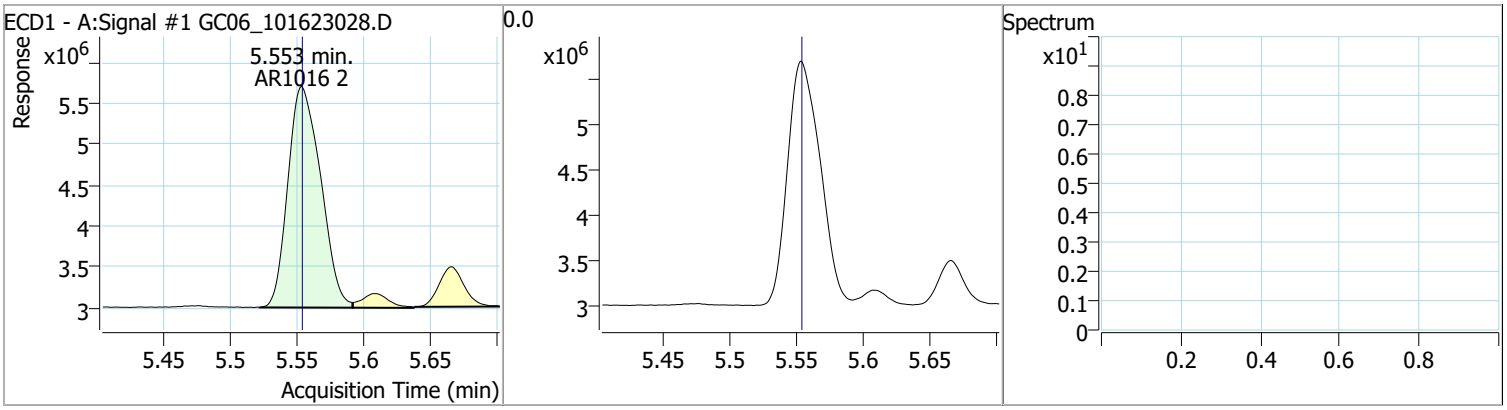
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.1477	5.17	0.00	15985491				



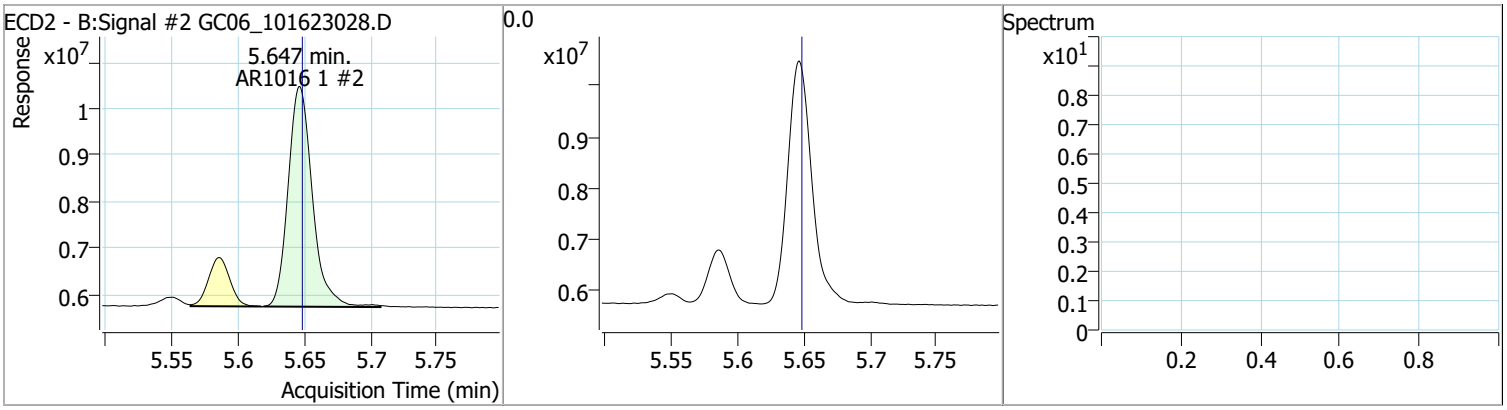
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	519.3965	5.22	0.00	2342169				



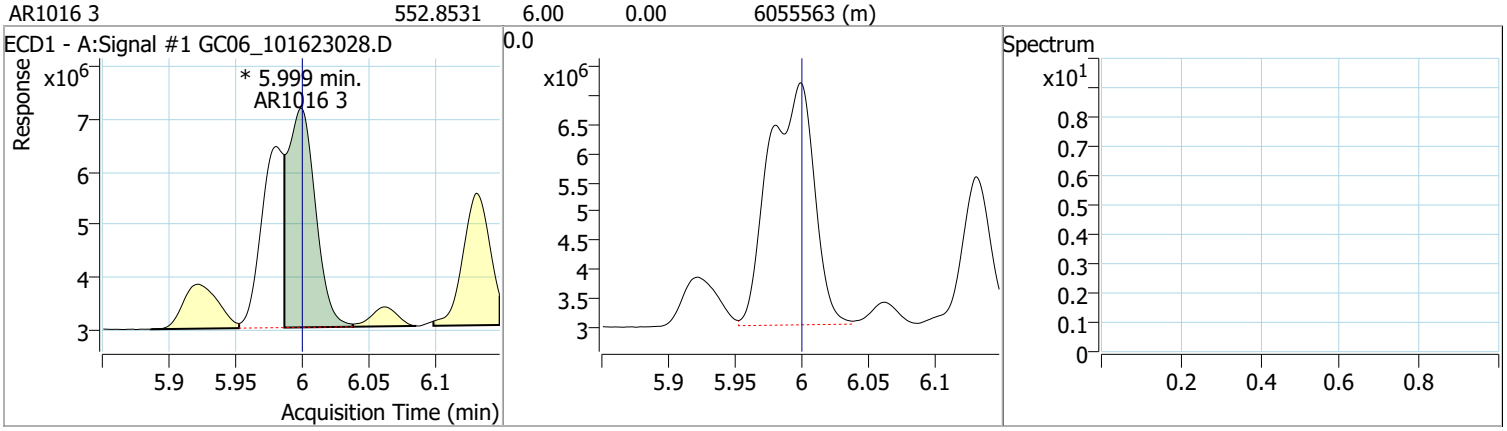
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	512.6417	5.55	0.00	4639833				



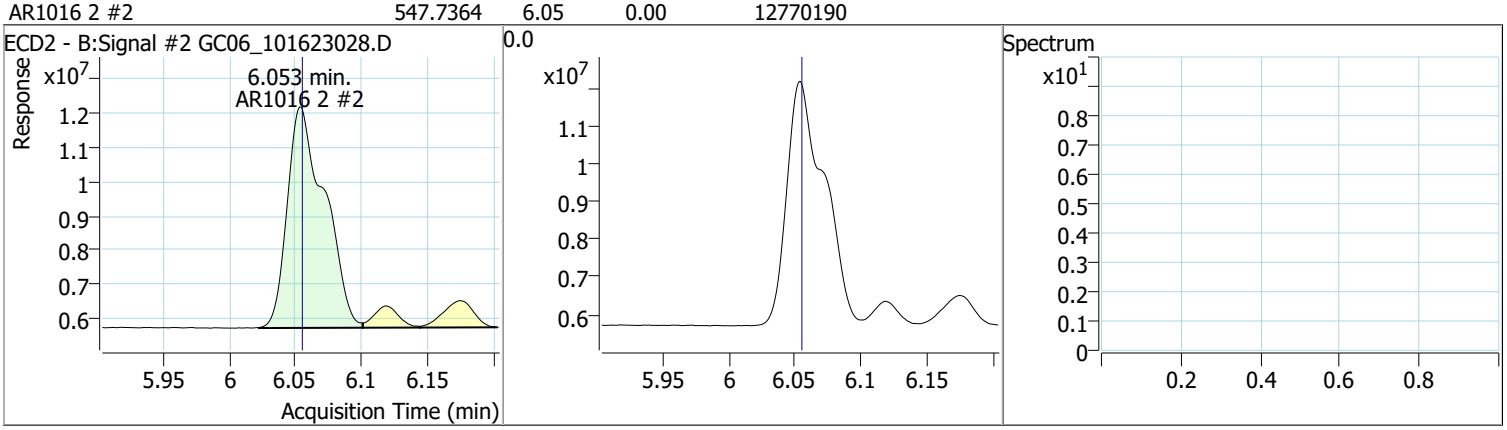
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	539.4281	5.65	0.00	6026346				



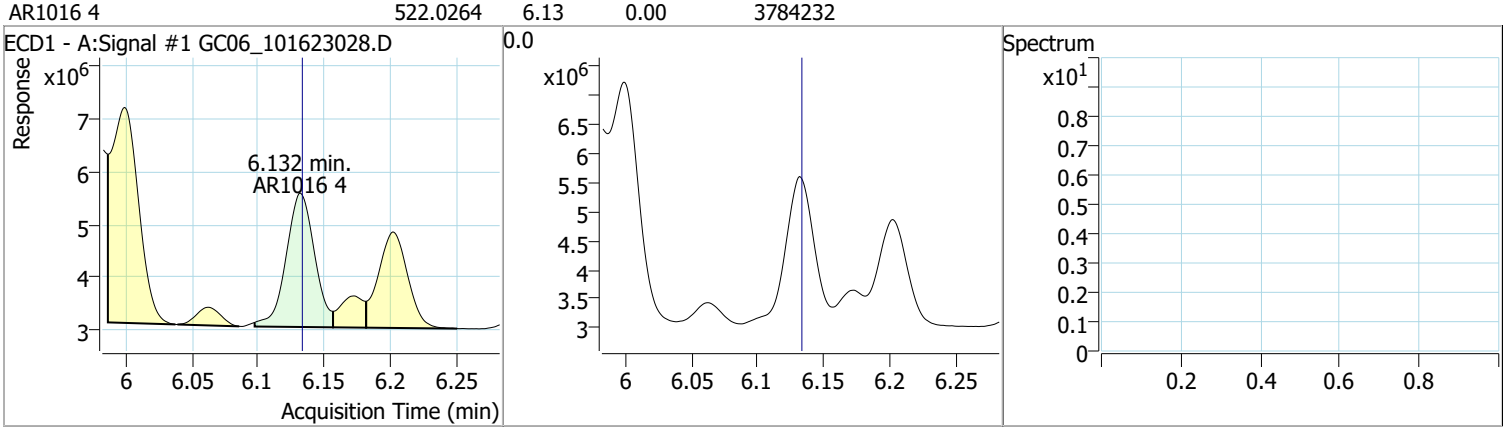
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	552.8531	6.00	0.00	6055563 (m)				



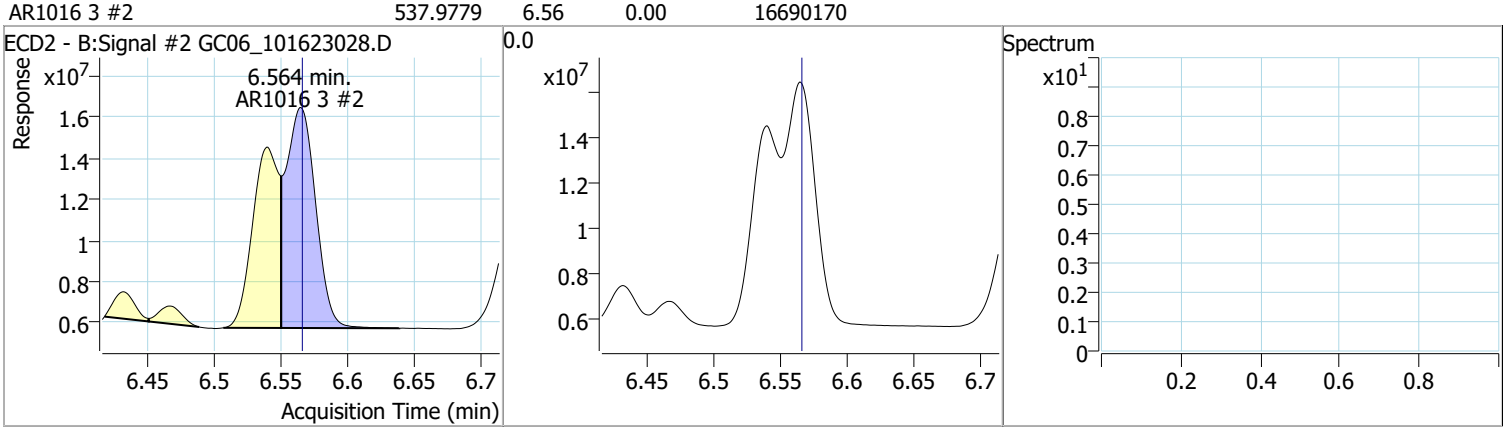
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	547.7364	6.05	0.00	12770190				



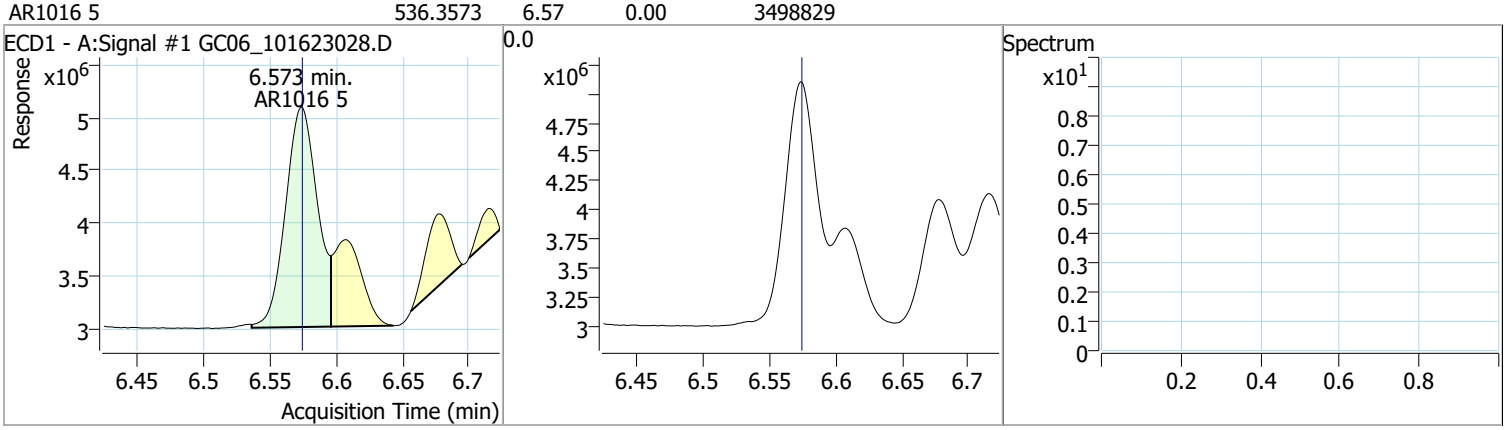
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	522.0264	6.13	0.00	3784232				



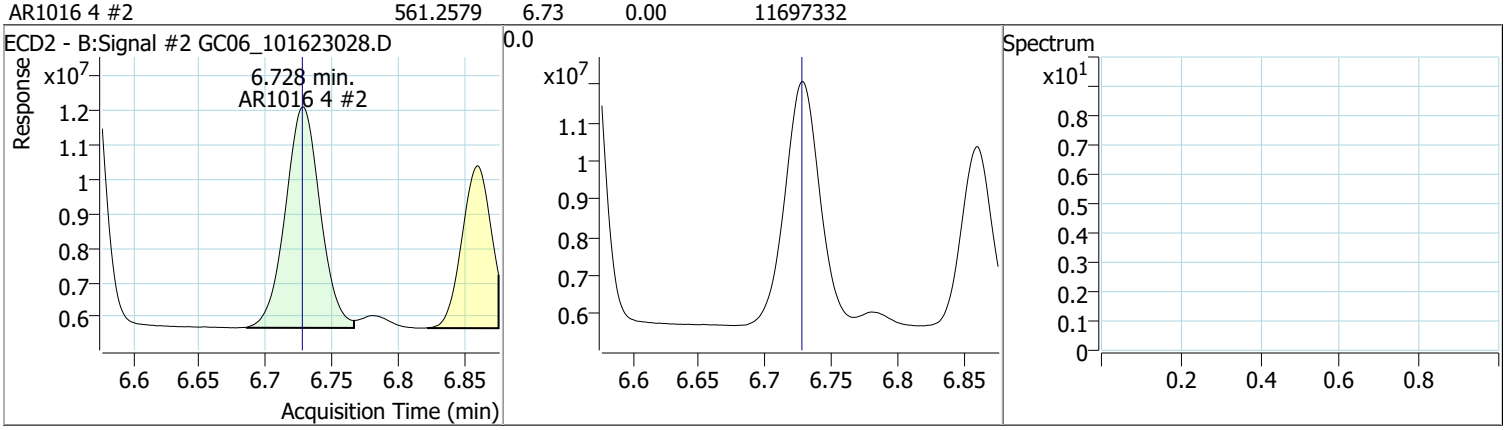
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	537.9779	6.56	0.00	16690170				



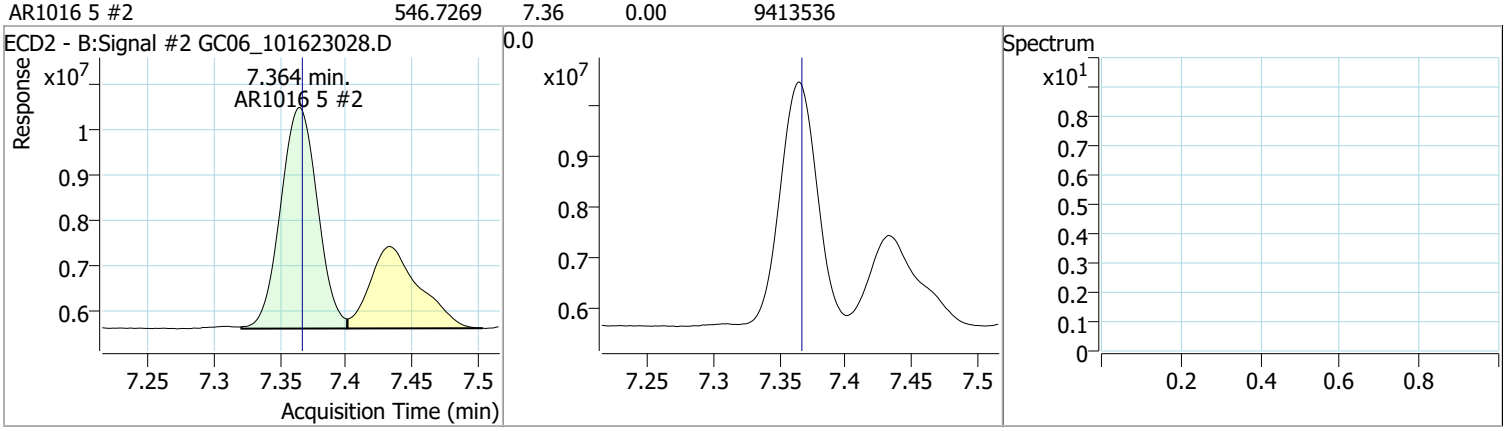
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	536.3573	6.57	0.00	3498829				



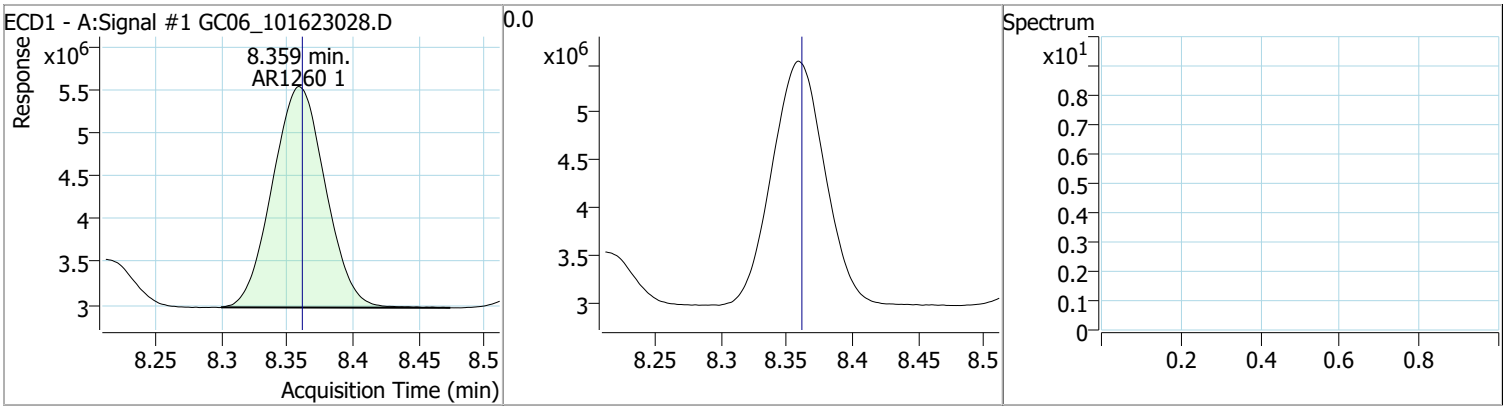
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	561.2579	6.73	0.00	11697332				



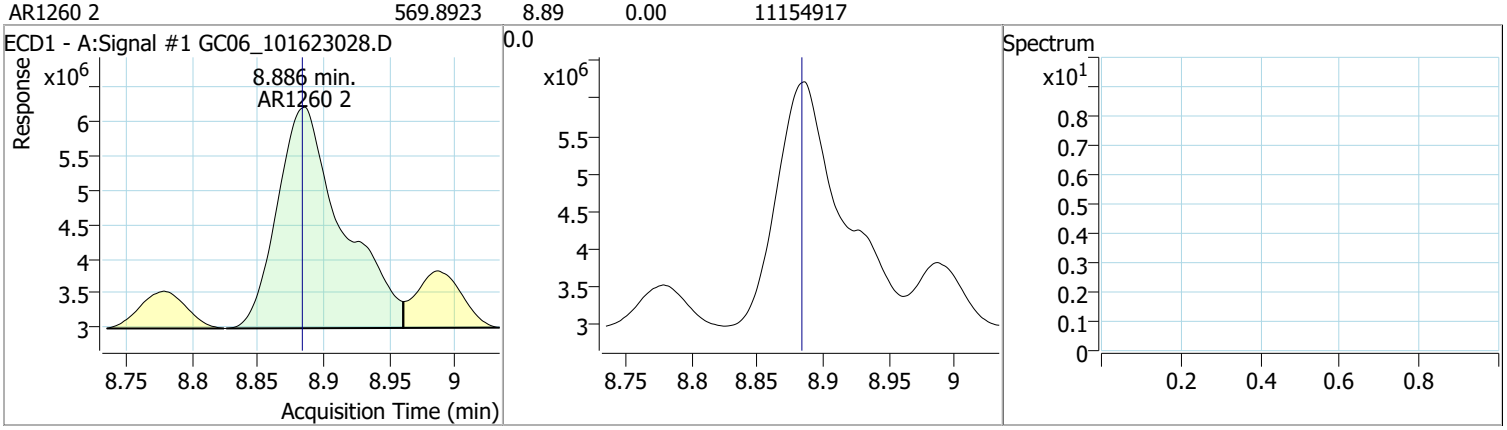
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	546.7269	7.36	0.00	9413536				



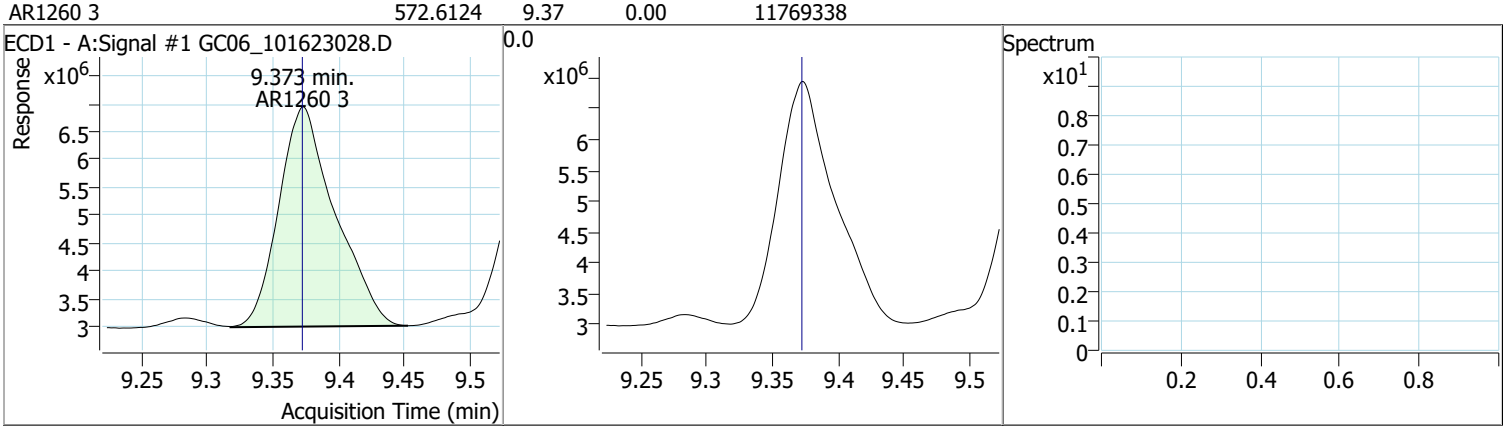
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	573.7787	8.36	0.00	7207516				



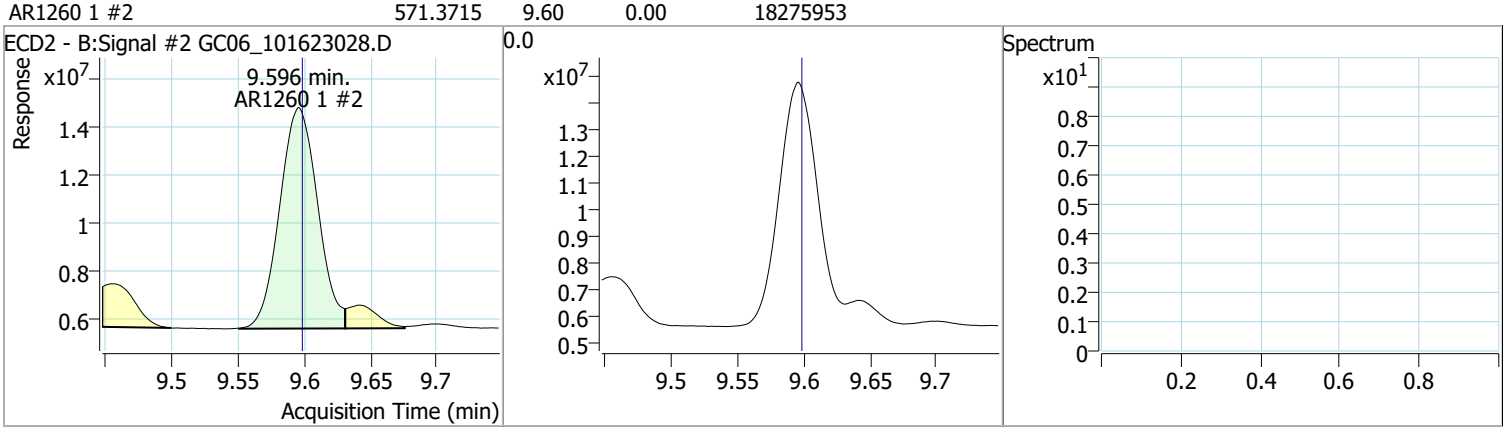
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	569.8923	8.89	0.00	11154917				



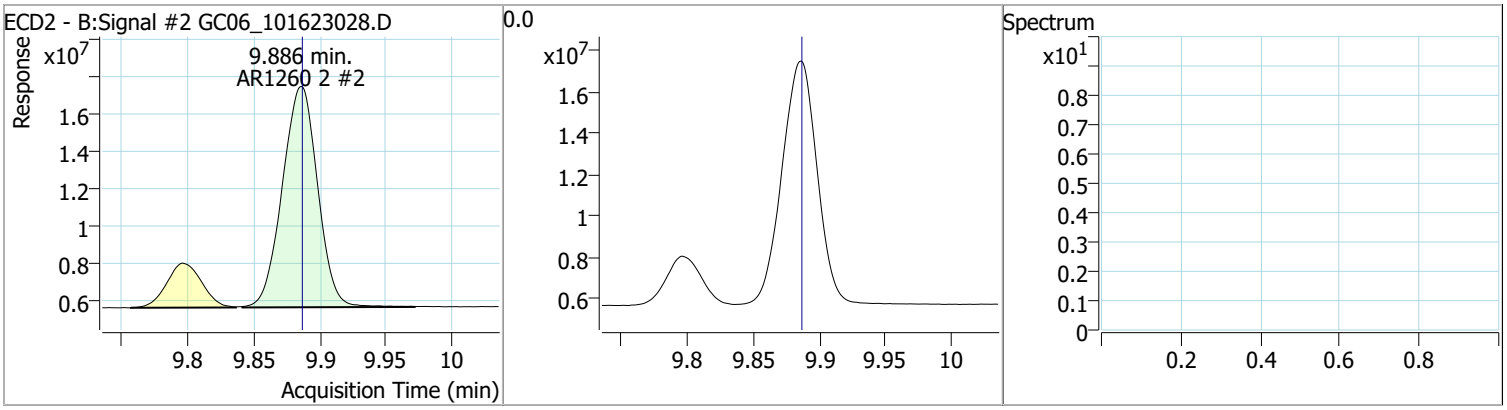
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	572.6124	9.37	0.00	11769338				



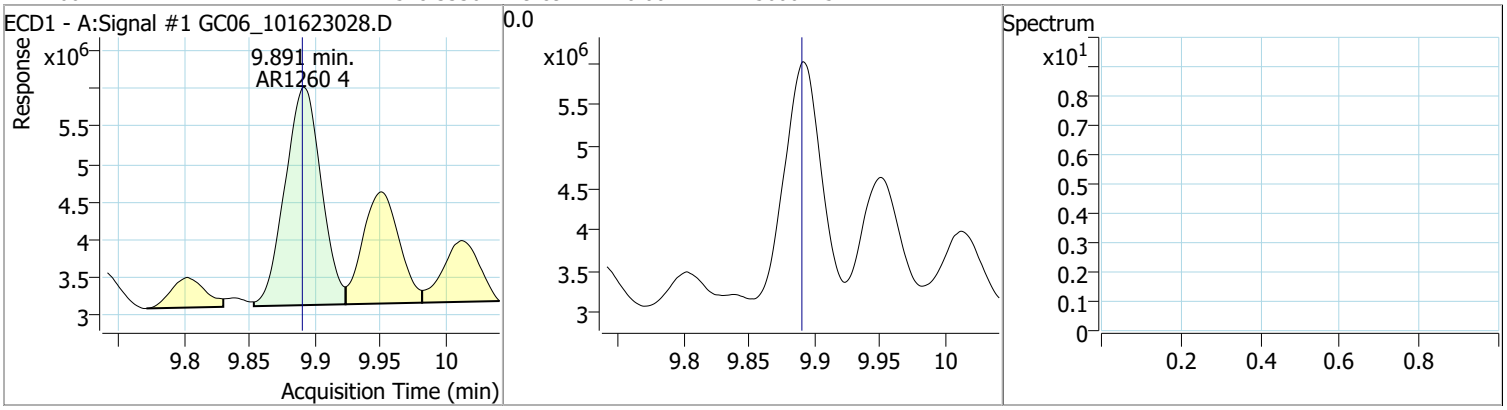
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	571.3715	9.60	0.00	18275953				



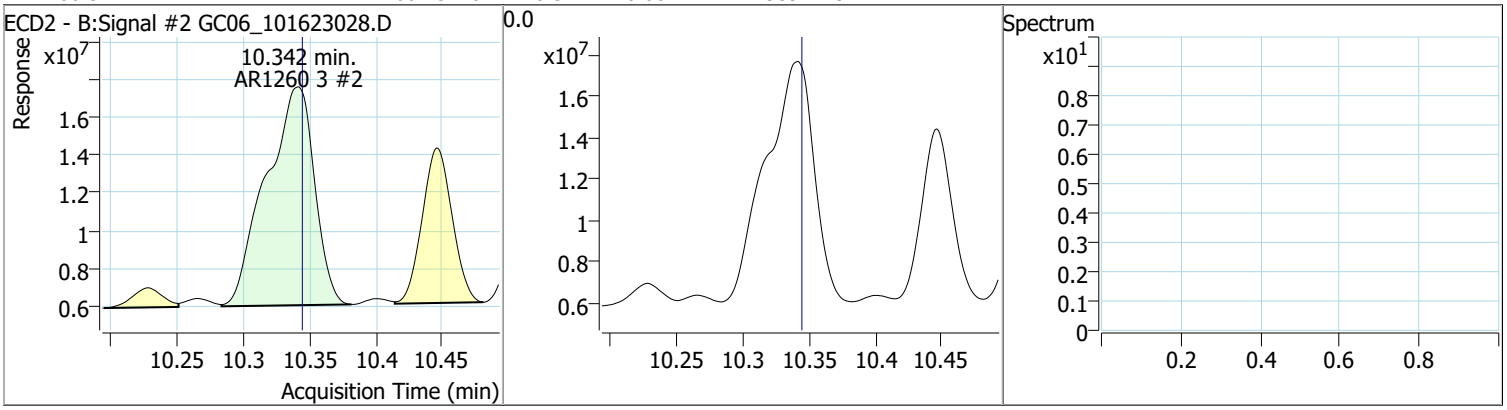
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	568.9415	9.89	0.00	21956176				



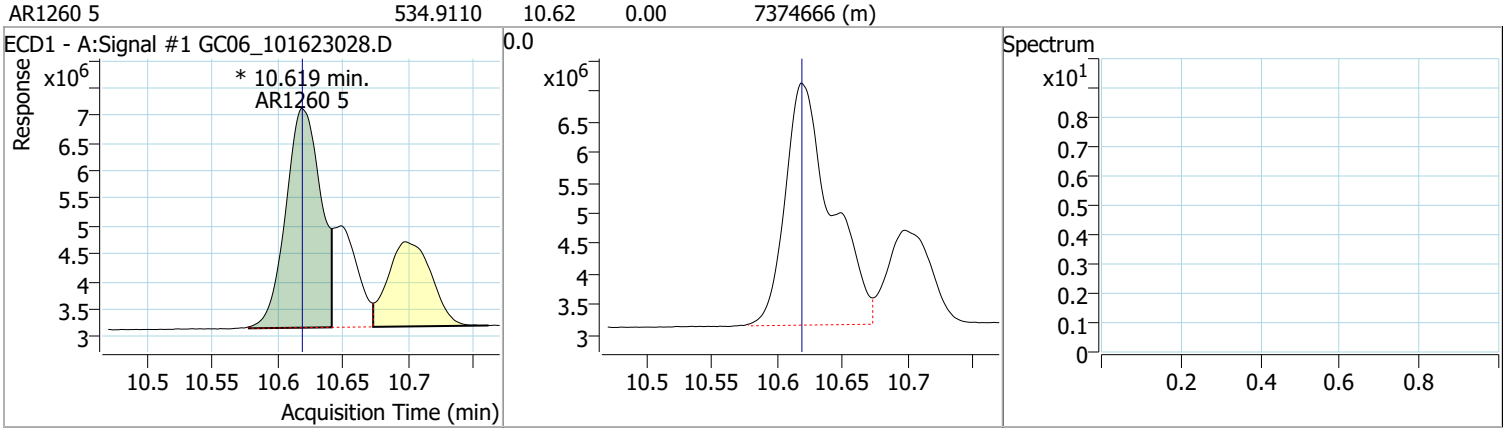
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	518.3336	9.89	0.00	5600225				



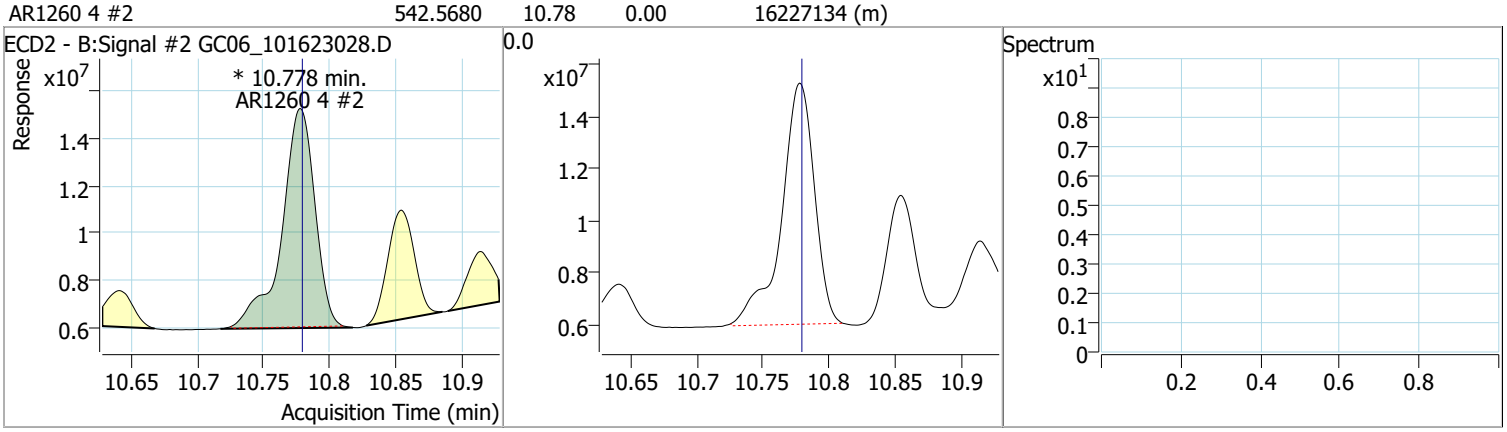
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	601.5218	10.34	0.00	29591419				



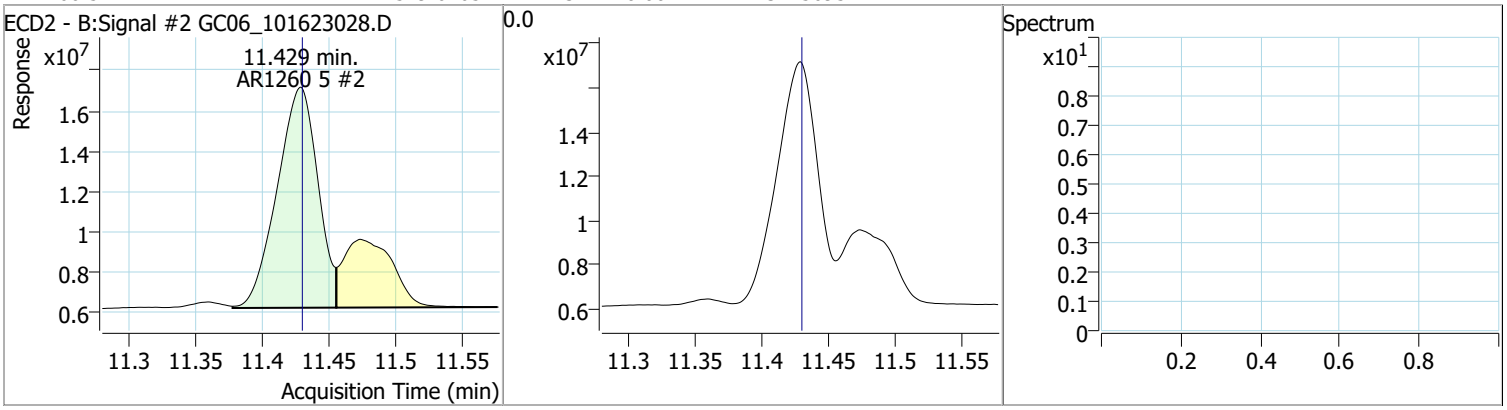
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	534.9110	10.62	0.00	7374666 (m)				



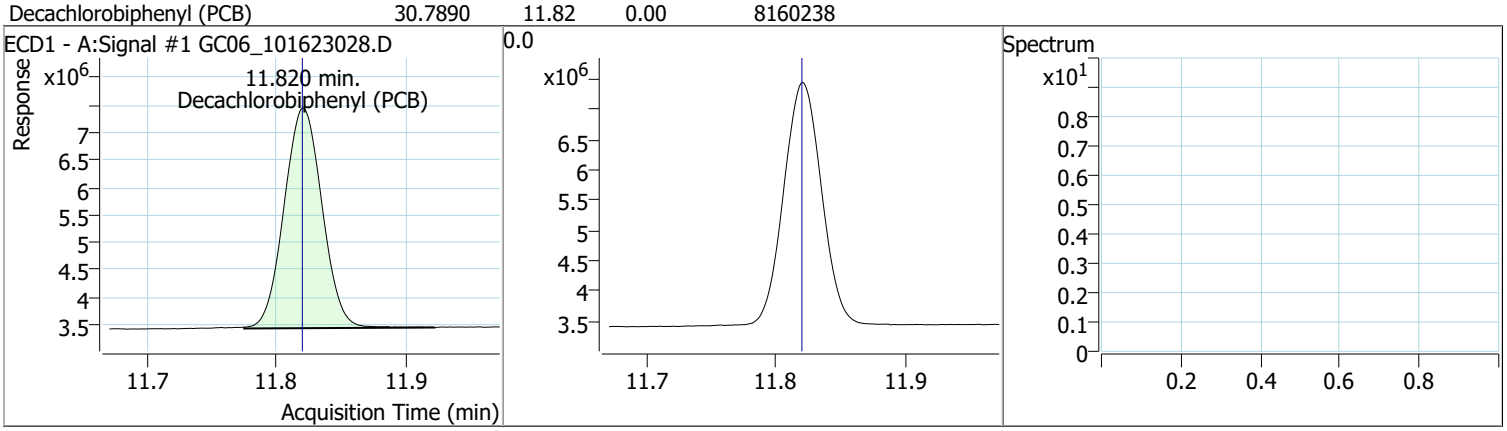
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	542.5680	10.78	0.00	16227134 (m)				



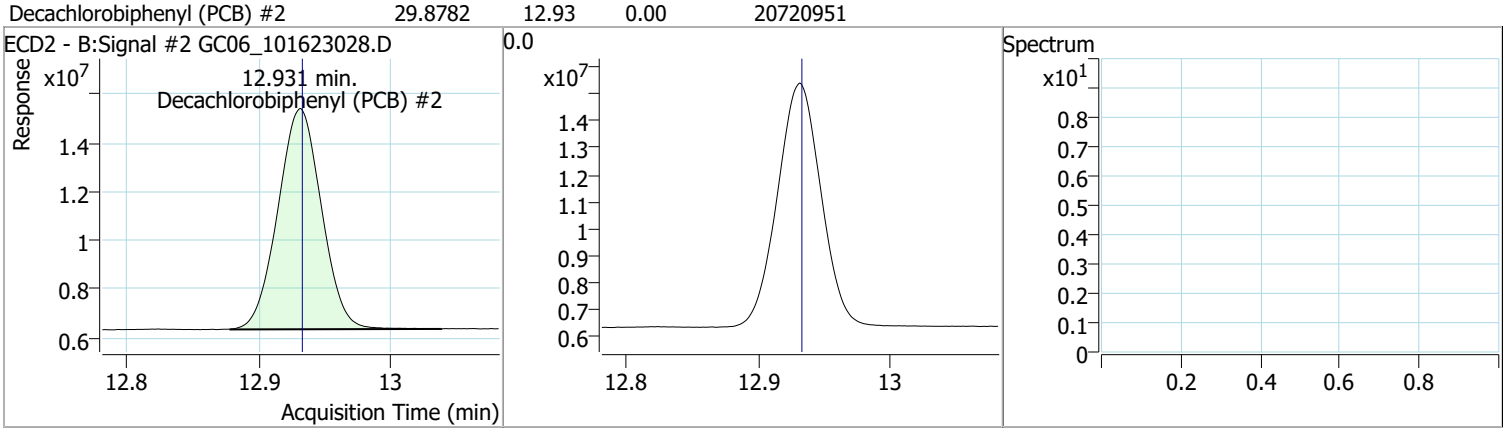
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	529.6165	11.43	0.00	23475695				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.7890	11.82	0.00	8160238				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.8782	12.93	0.00	20720951				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 494459 PCBS Wipe
EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453431278004	File:	gc06_102623004	Time:	26-OCT-2023 12:37
Cal:	453416704002	Caldate:	16-OCT-2023		

Standards: S19183

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	424.3	ug/L	-15	15	0.0000	
Aroclor-1260	A			500.0	455.2	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2758	1.0904	40.00	34.18	ug/L	-15	15	0.0000	
TCMX (PCB)	A	0.9951	0.8397	40.00	33.75	ug/L	**-16**	15	0.0000	c-
Aroclor-1016	B			500.0	428.3	ug/L	-14	15	0.0000	
Aroclor-1260	B			500.0	452.7	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1481	0.8678	40.00	30.24	ug/L	**-24**	15	0.0000	c-
TCMX (PCB)	B	0.9401	0.8138	40.00	34.62	ug/L	-13	15	0.0000	

ISTD (ICAL gc06_101623019)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10693236	9973447	-6.73
1-bromo-2-nitrobenzene (PCB)	A	3667875	3468805	-5.43

10/26/23 : 500 PPB PCB CCV

TRN 10/26/23 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

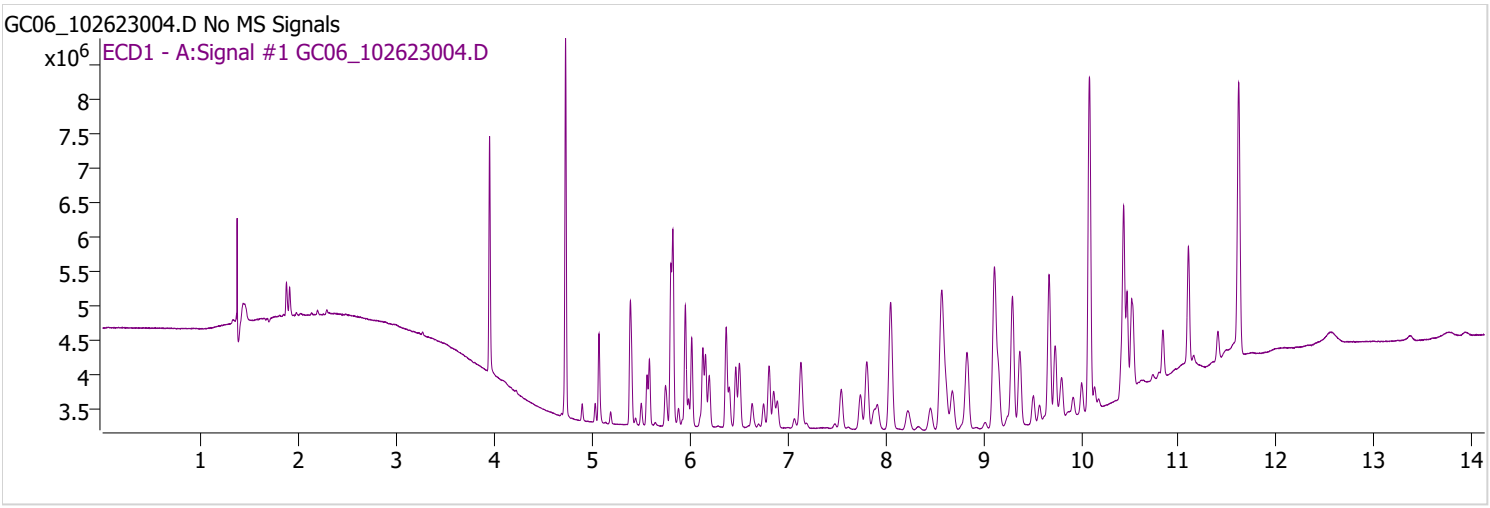
TRN 10/26/23 [Aroclor-1016 A]: Corrected baseline noise or negative peak for Ch. A.

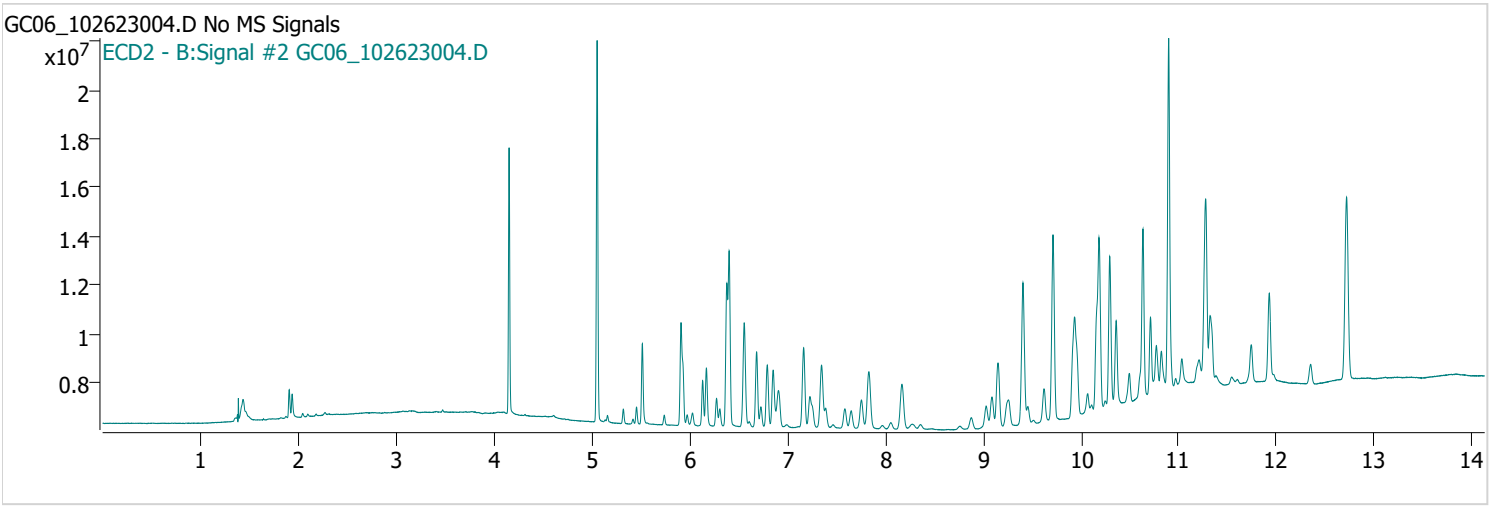
-=low bias c=CCV

Analyst: TRN 10/26/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623004.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 12:37:33 PM
Sample Name	CCV, S19183	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



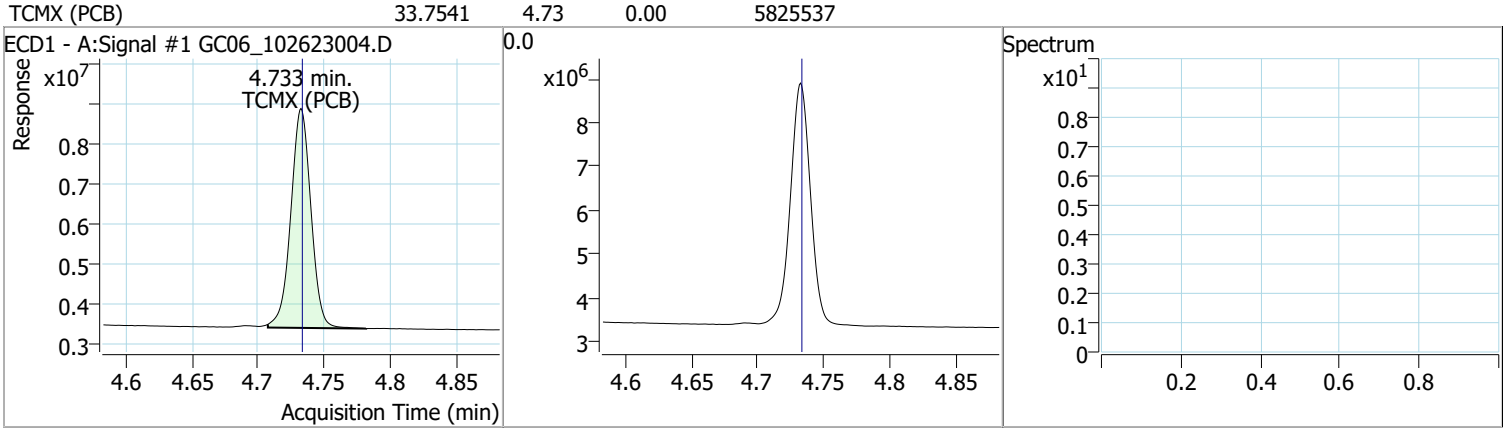


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.956	0.0	3468804.810	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.156	0.0	9973447.421	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	5825536.991	33.7541	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.77%		*	
S TCMX (PCB) #2	5.055	0.0	16232225.729	34.6238	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.12%		*	
S Decachlorobiphenyl (PCB)	11.612	0.0	7564453.362	34.1852	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.93%		*	
S Decachlorobiphenyl (PCB) #2	12.715	0.0	17310398.544	30.2365	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 151.18%		*	
Target Compounds							QValue

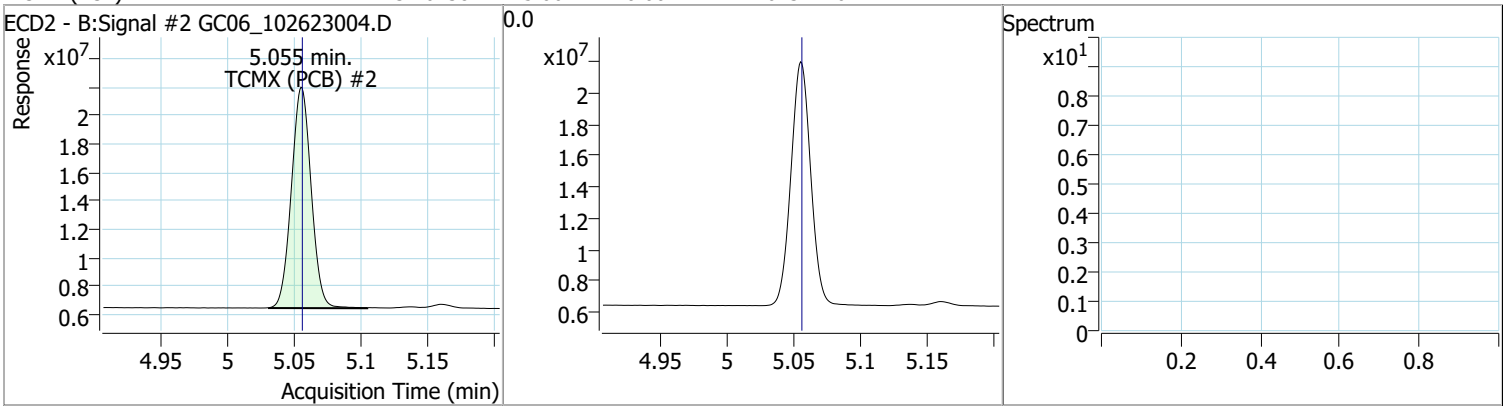
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.074	0.0	1573524.251	417.9475	ng/ml		100
T AR1016 2	5.395	0.0	2994522.182	396.2842	ng/ml	m	100
T AR1016 1 #2	5.518	0.0	4060773.263	440.3188	ng/ml		100
T AR1016 3	5.829	0.0	4297920.812	469.9820	ng/ml	m	100
T AR1016 2 #2	5.913	0.0	8116997.863	421.7438	ng/ml		100
T AR1016 4	5.957	0.0	2476899.264	409.2519	ng/ml		100
T AR1016 5	6.374	0.0	2332308.671	428.2380	ng/ml		100
T AR1016 3 #2	6.404	0.0	10725529.776	418.7949	ng/ml		100
T AR1016 4 #2	6.559	0.0	7444148.438	432.6828	ng/ml		100
T AR1016 5 #2	7.166	0.0	6085198.200	428.1258	ng/ml		100
T AR1260 1	8.055	0.0	4750930.045	453.0071	ng/ml		100
T AR1260 2	8.578	0.0	7348594.149	449.6745	ng/ml		100
T AR1260 3	9.116	0.0	7665670.696	446.7108	ng/ml		100
T AR1260 1 #2	9.408	0.0	11834177.345	448.1832	ng/ml		100
T AR1260 4	9.673	0.0	4115436.421	456.2338	ng/ml		100
T AR1260 2 #2	9.715	0.0	14309052.446	449.1597	ng/ml		100
T AR1260 3 #2	10.184	0.0	17984582.606	442.8585	ng/ml		100
T AR1260 5	10.436	0.0	5412623.020	470.2346	ng/ml		100
T AR1260 4 #2	10.634	0.0	11814642.150	478.5330	ng/ml	m	100
T AR1260 5 #2	11.275	0.0	16268539.257	444.6012	ng/ml		100

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

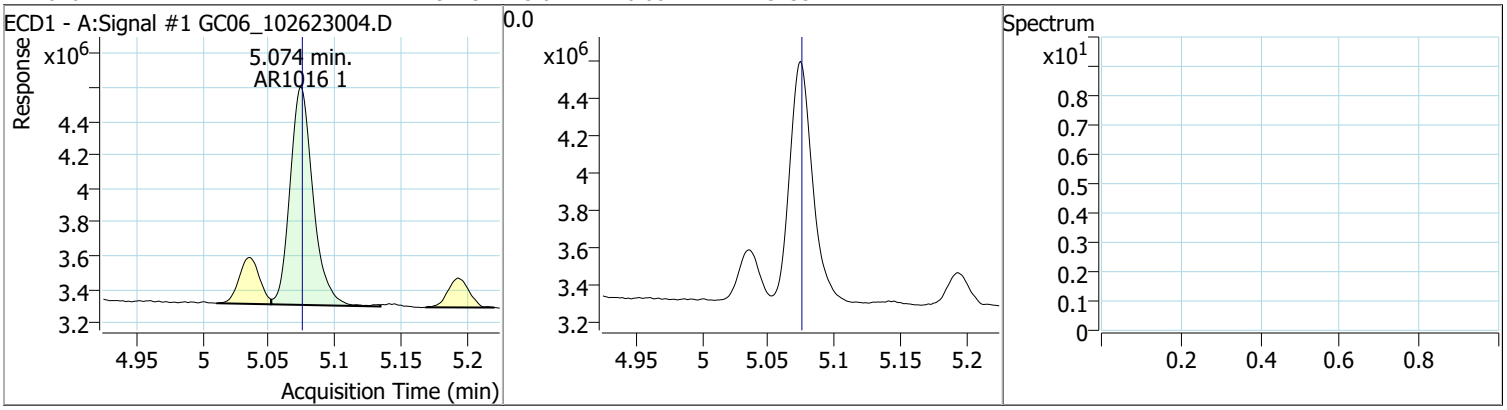
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.7541	4.73	0.00	5825537				



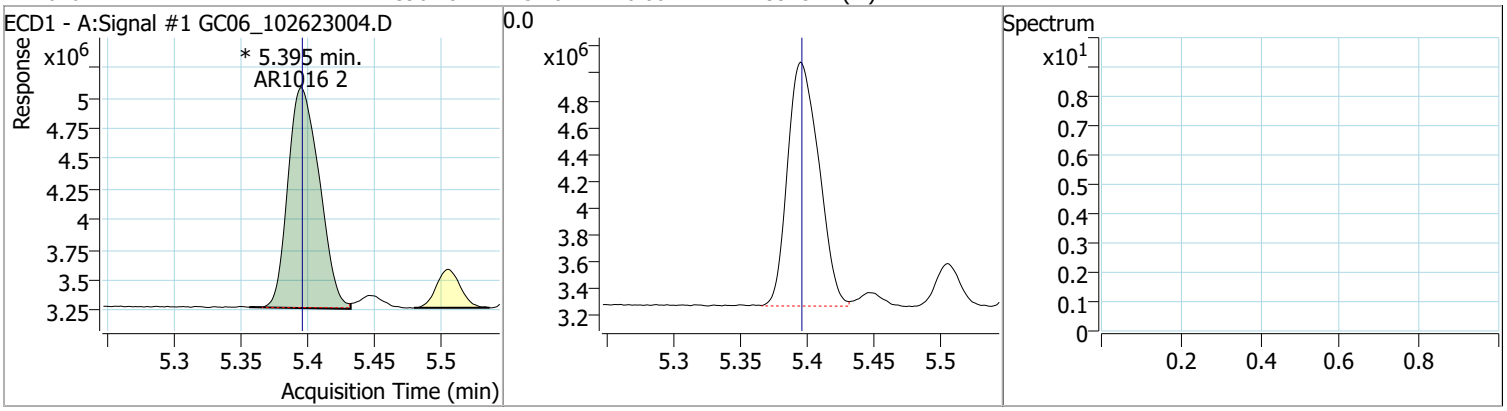
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.6238	5.06	0.00	16232226				



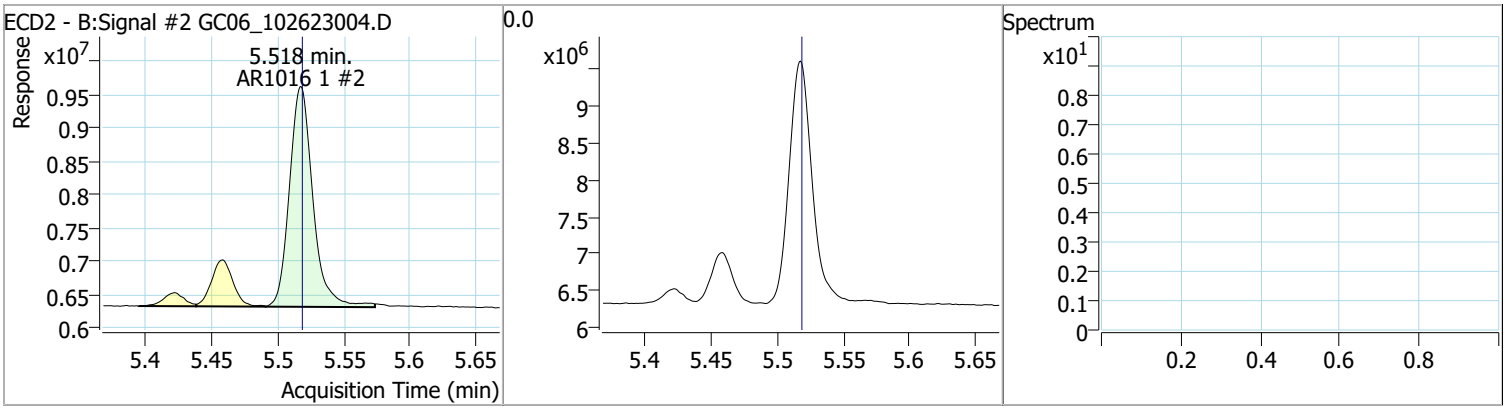
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	417.9475	5.07	0.00	1573524				



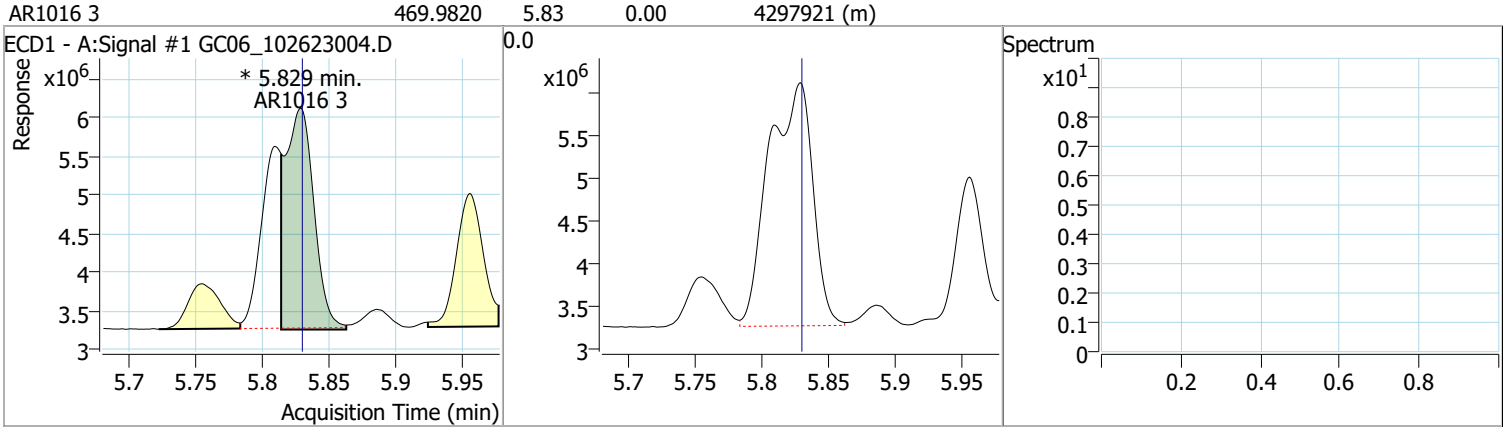
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	396.2842	5.40	0.00	2994522 (m)				



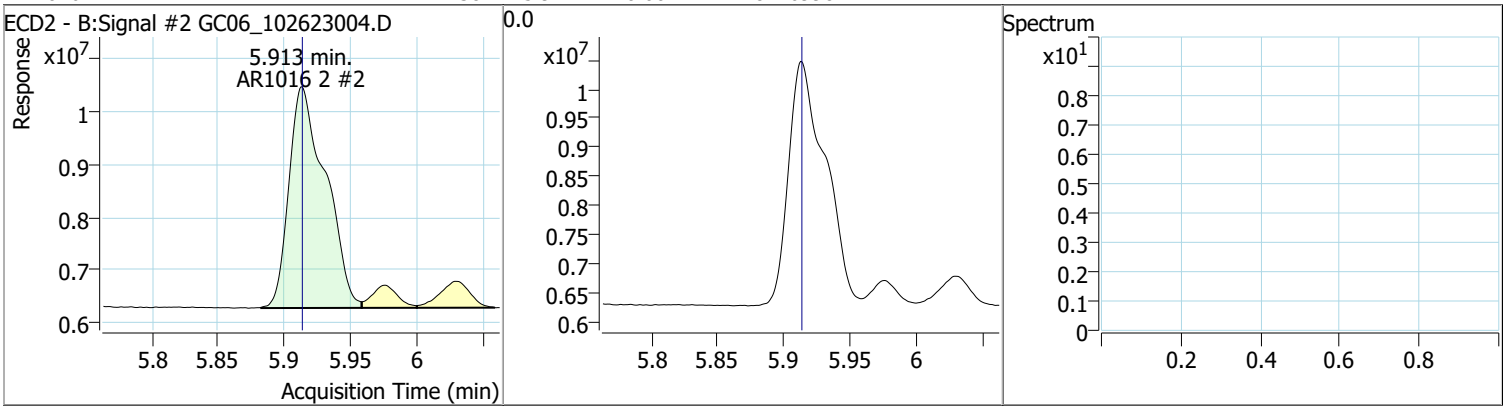
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	440.3188	5.52	0.00	4060773				



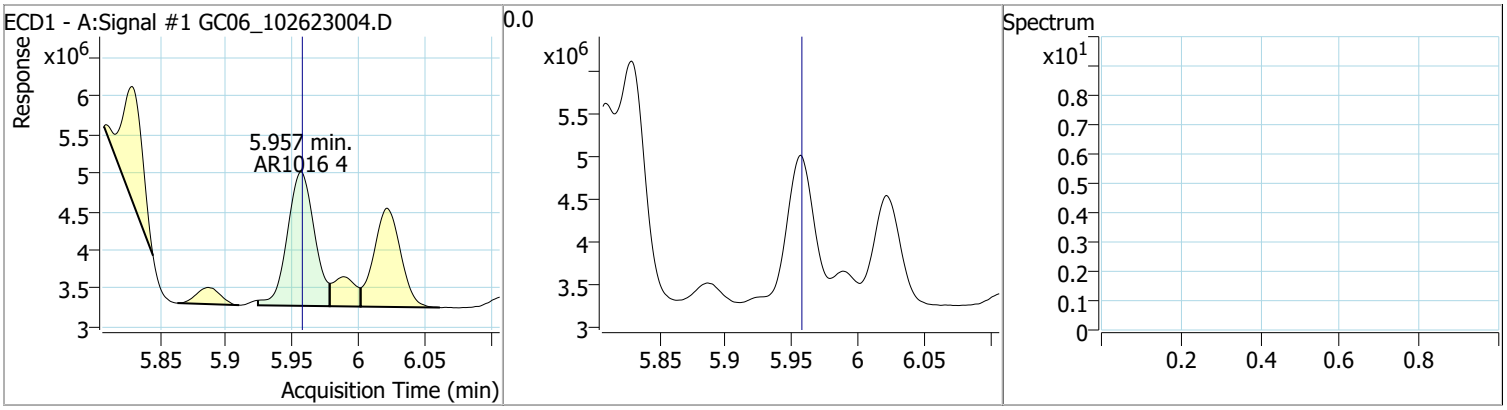
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	469.9820	5.83	0.00	4297921 (m)				



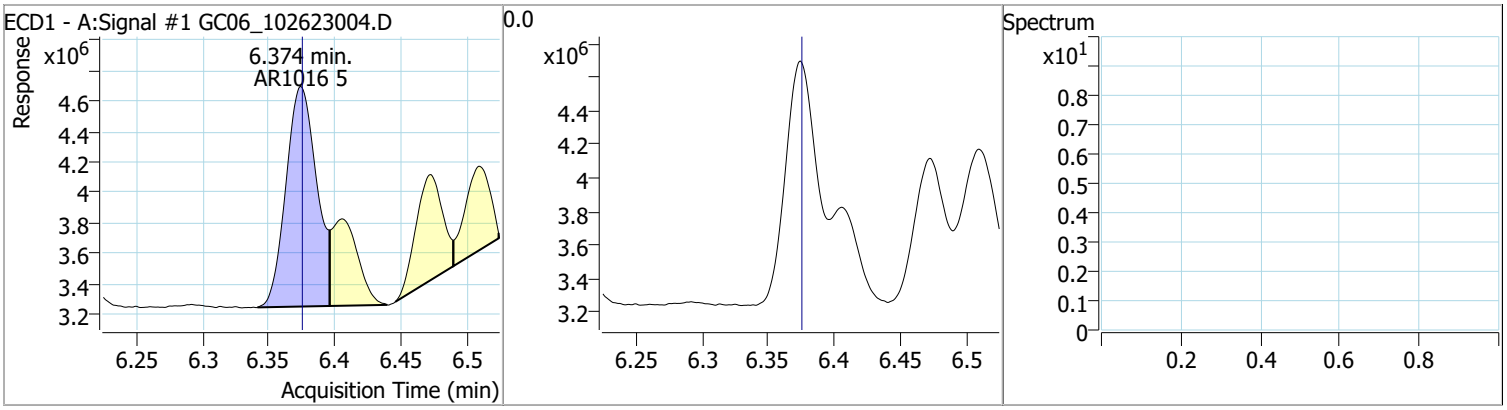
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	421.7438	5.91	0.00	8116998				



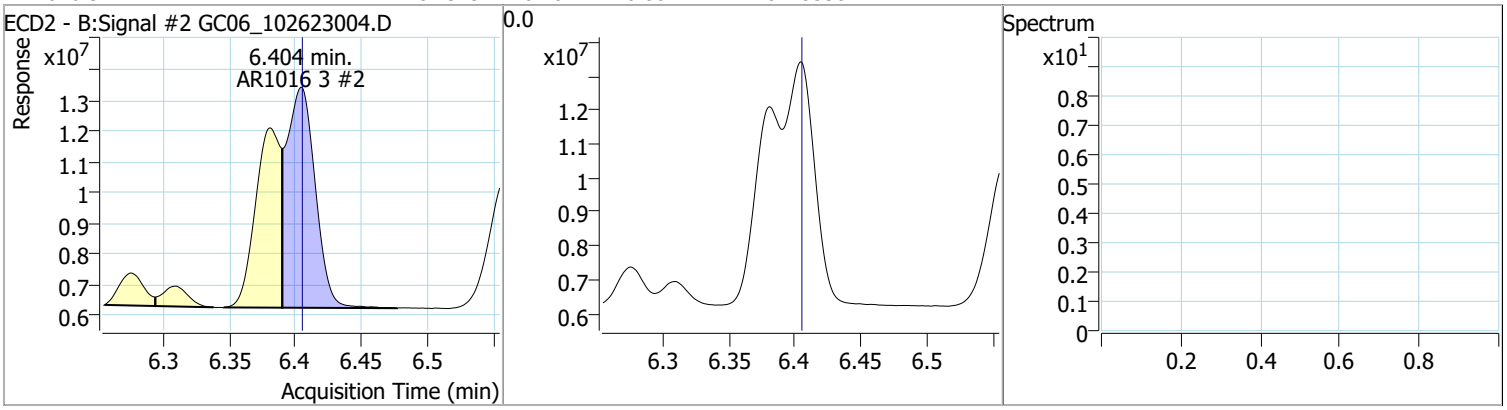
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	409.2519	5.96	0.00	2476899				



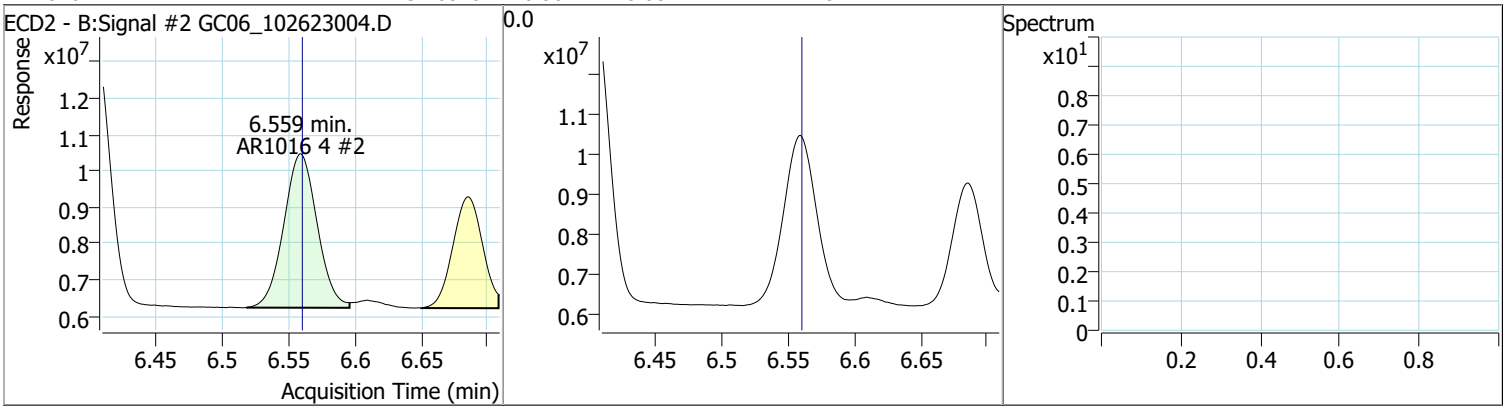
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	428.2380	6.37	0.00	2332309				



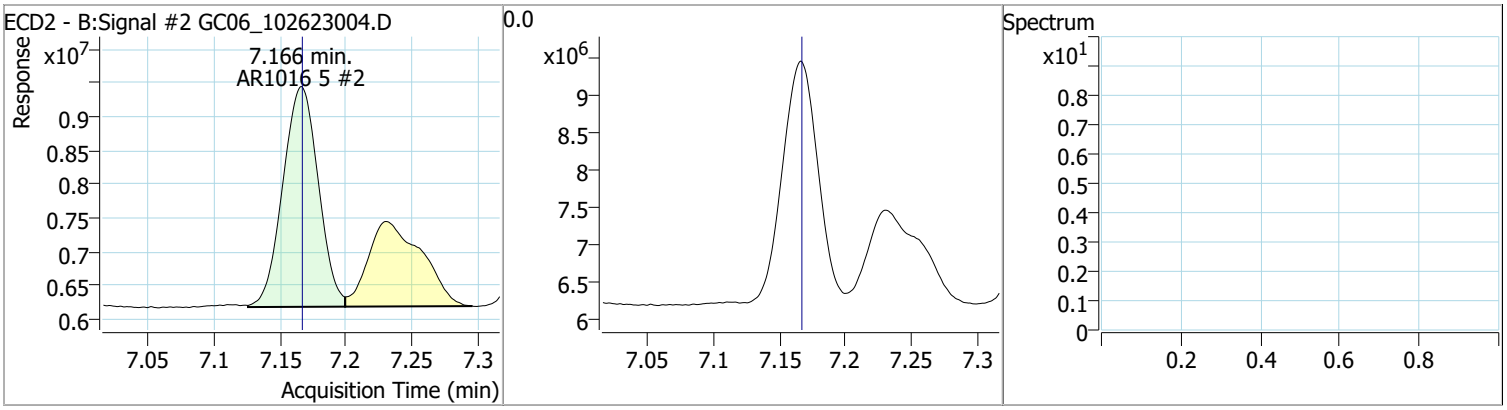
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	418.7949	6.40	0.00	10725530				



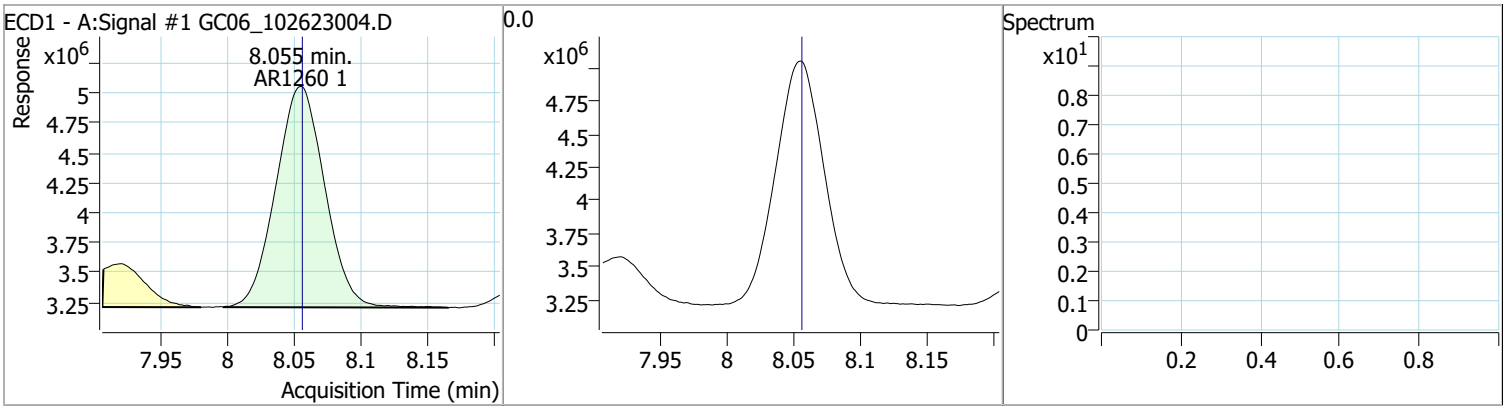
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	432.6828	6.56	0.00	7444148				



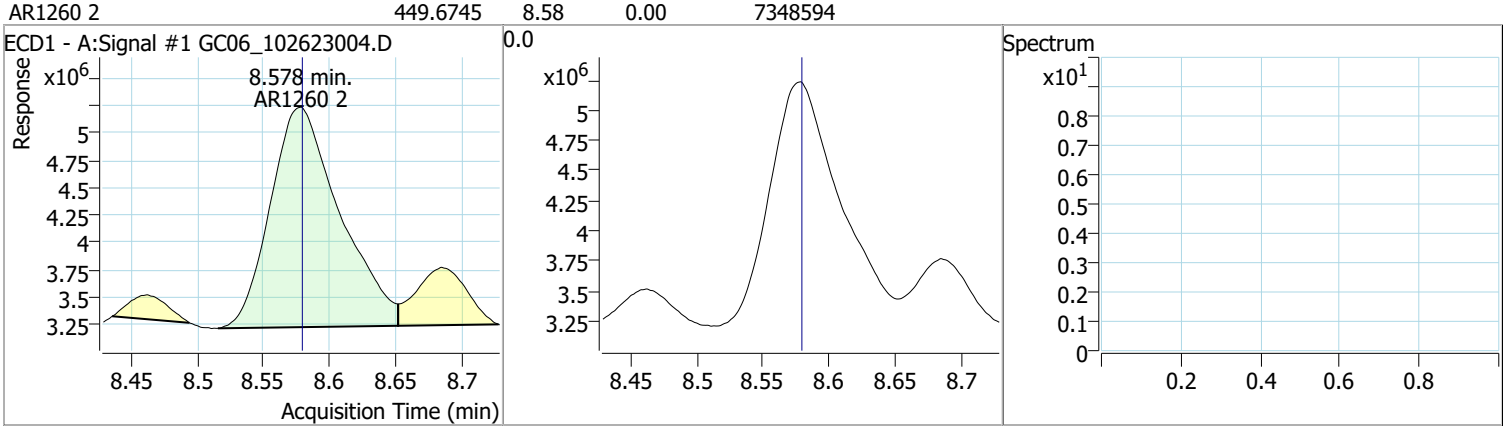
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	428.1258	7.17	0.00	6085198				



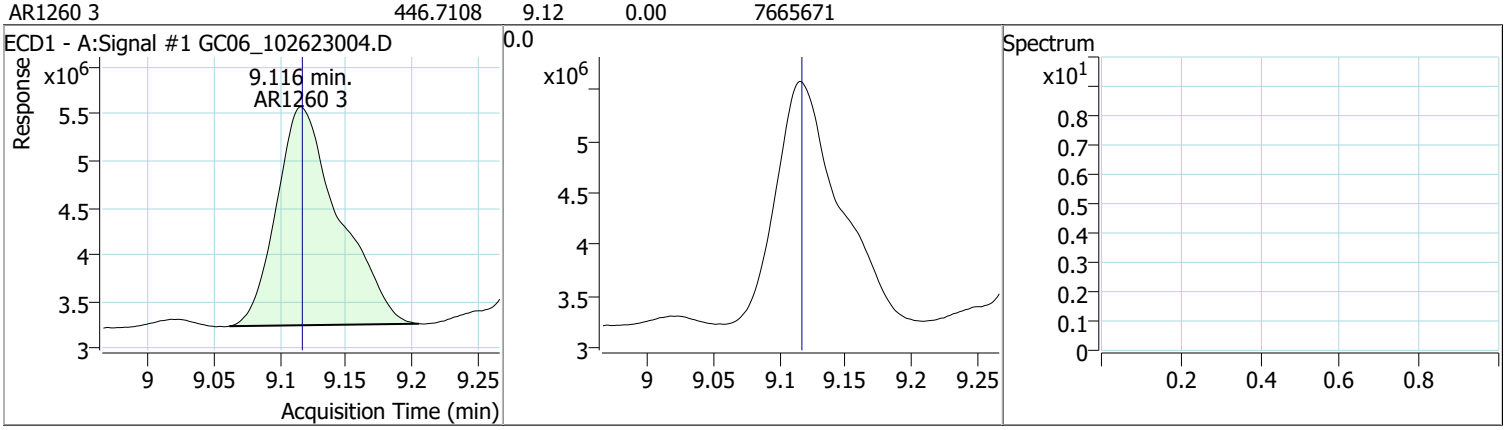
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	453.0071	8.06	0.00	4750930				



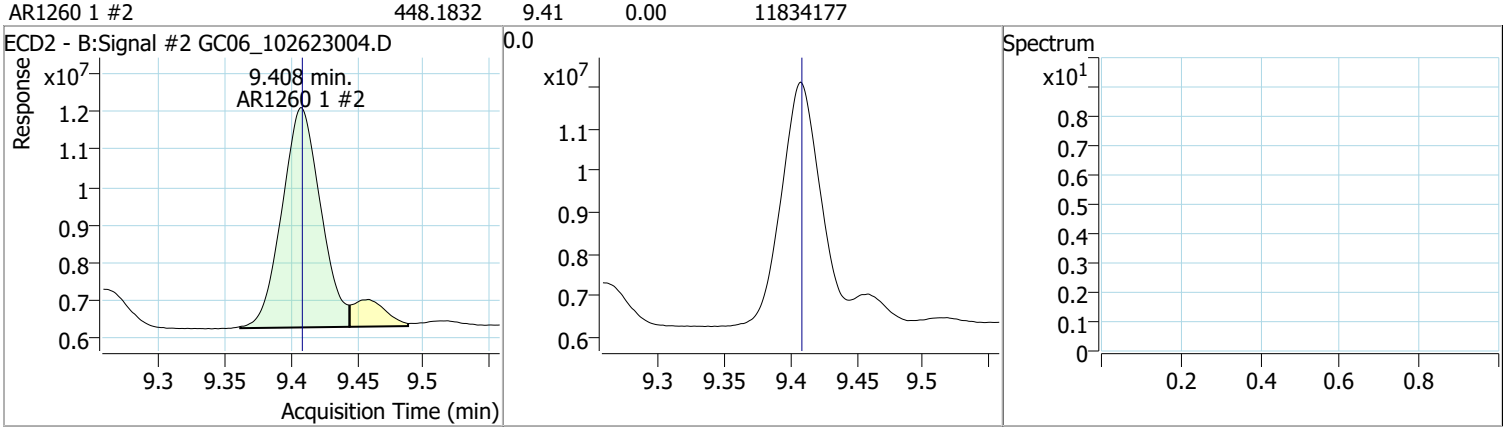
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	449.6745	8.58	0.00	7348594				



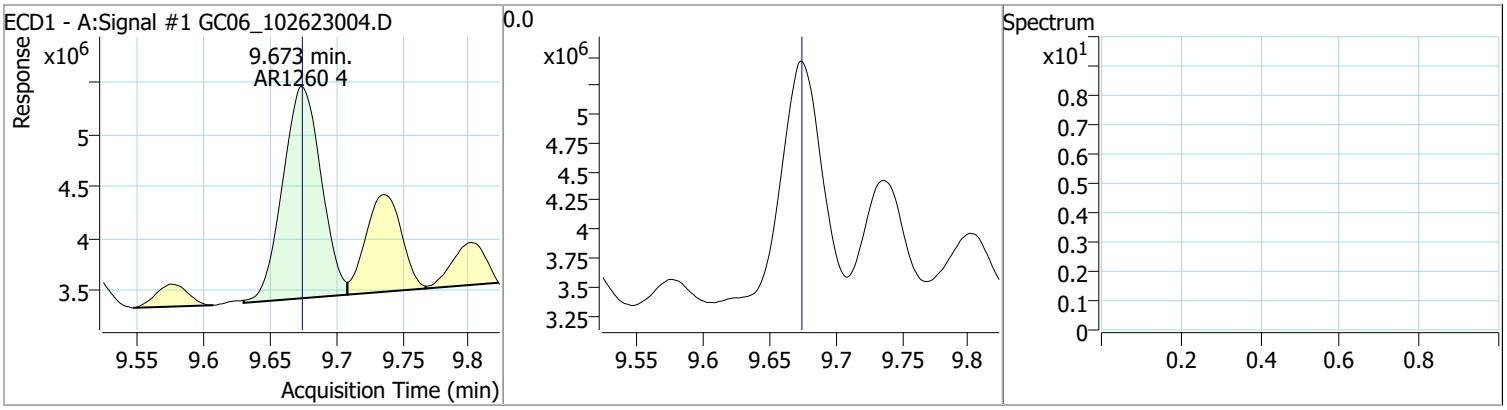
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	446.7108	9.12	0.00	7665671				



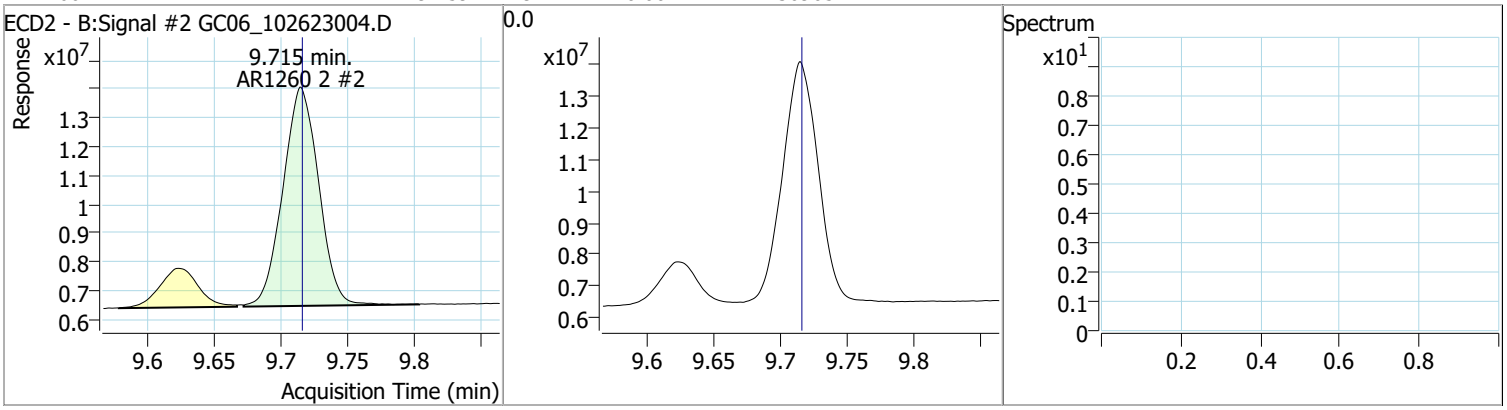
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	448.1832	9.41	0.00	11834177				



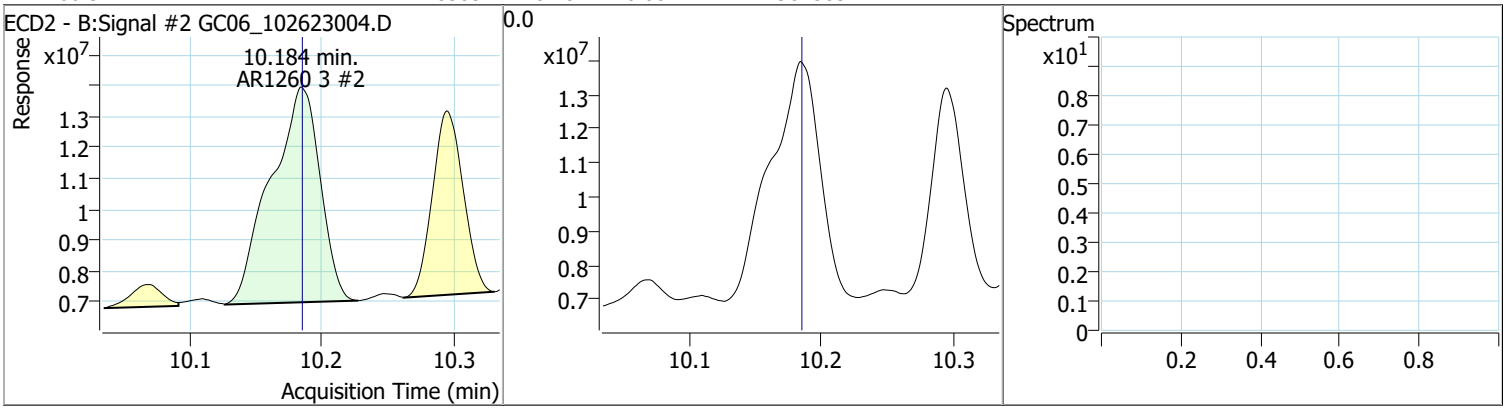
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	456.2338	9.67	0.00	4115436				



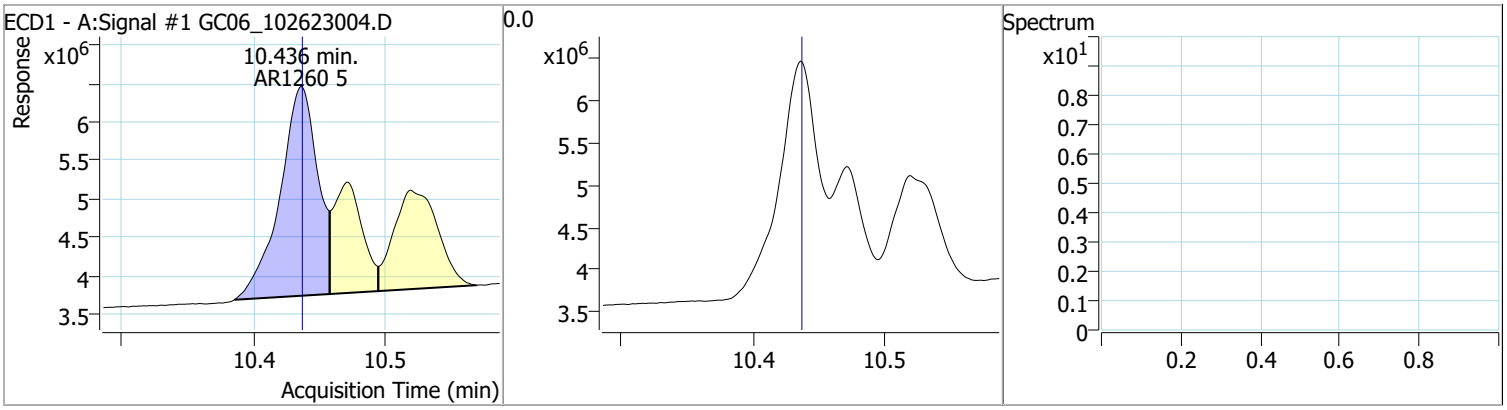
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	449.1597	9.72	0.00	14309052				



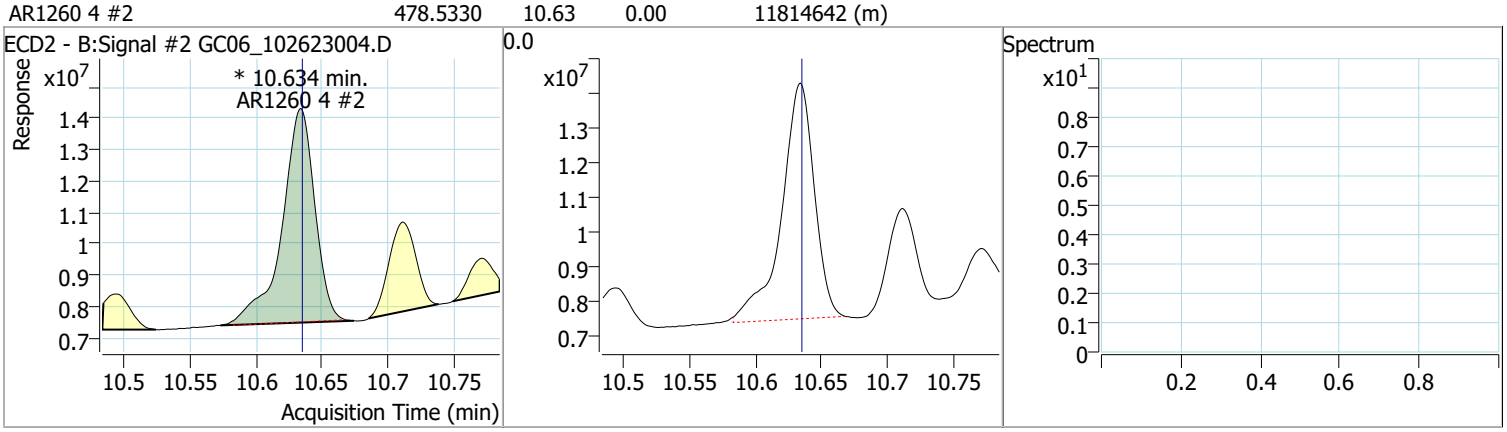
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	442.8585	10.18	0.00	17984583				



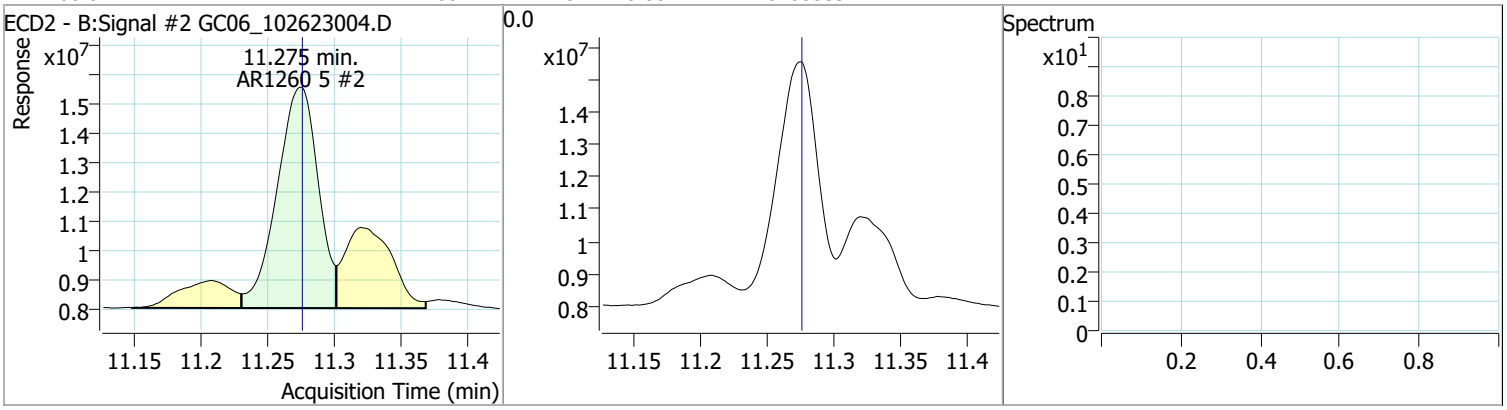
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	470.2346	10.44	0.00	5412623				



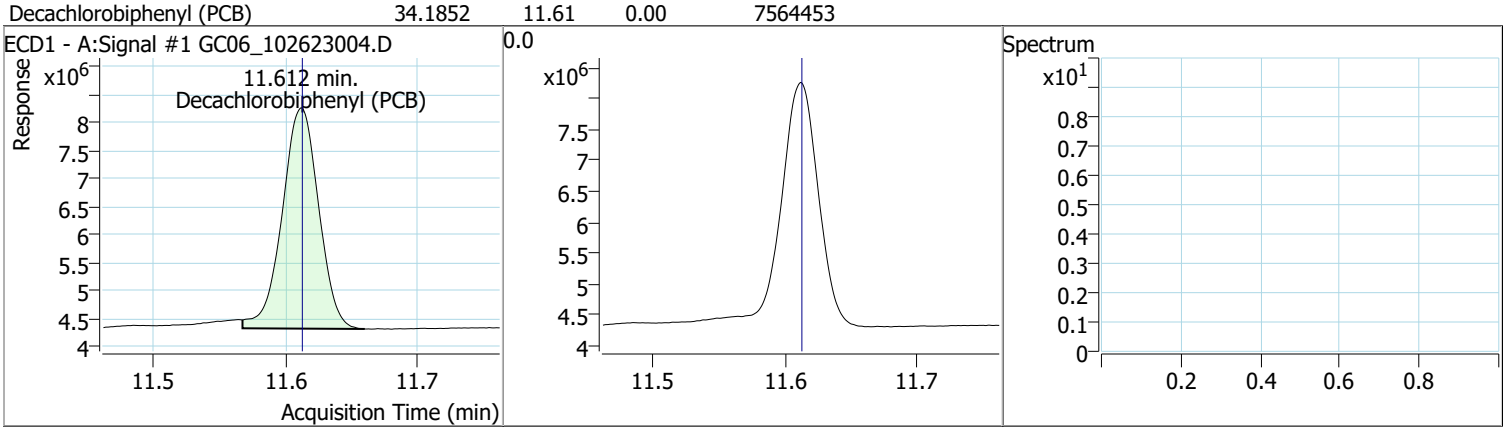
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	478.5330	10.63	0.00	11814642 (m)				



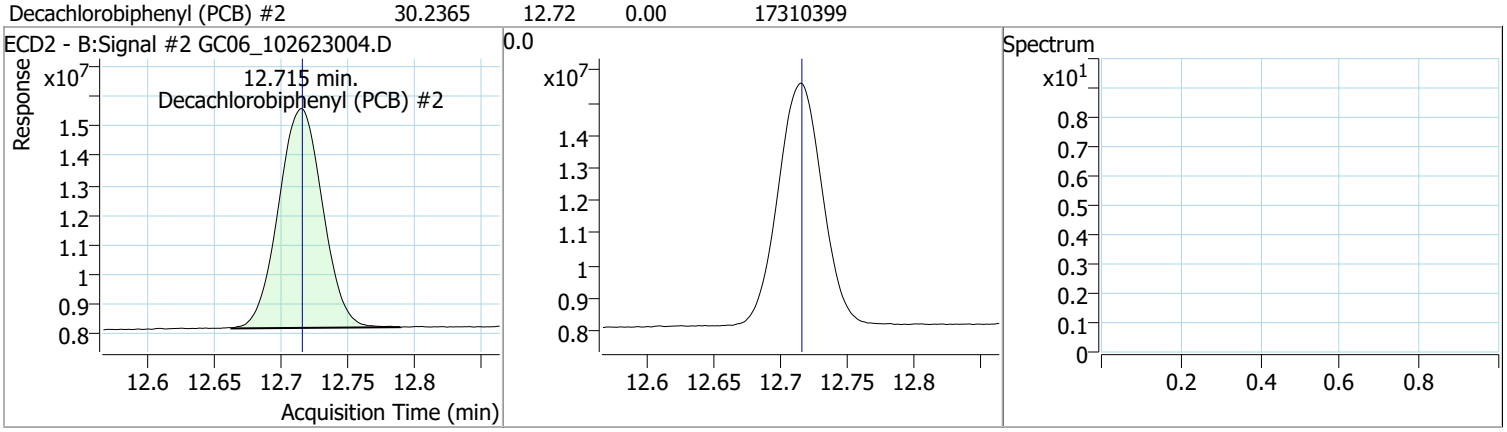
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	444.6012	11.28	0.00	16268539				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.1852	11.61	0.00	7564453				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.2365	12.72	0.00	17310399				



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

enthalpy.com

Lab Job Number:	494459
Report Level:	IV
Report Date:	12/14/2023

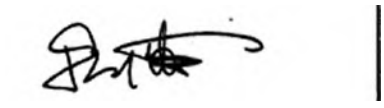
Metals

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 #:	494459
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/23/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C9E-MED-L3-DN-C9.2-DG-231023-L-LA	494459-001	10/23/23 07:40	Wipe
AFRAME-C10E-MED-L2-HS-1-231023-L-G	494459-002	10/23/23 07:50	Wipe
AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-WF	494459-004	10/23/23 08:55	Wipe
AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF	494459-005	10/23/23 08:55	Wipe
AFRAME-C8E-LAT-L2-INT-0.5 TO 1-231023-L-FB	494459-006	10/23/23 08:45	Wipe
AFRAME-C8E-LAT-L2-UP-C8.1-VS-231023-L-I	494459-007	10/23/23 08:36	Wipe
AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-WF	494459-008	10/23/23 08:25	Wipe
AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF	494459-009	10/23/23 08:25	Wipe
AFRAME-C9E-LAT-L2-INT-0.5 TO 1-231023-L-FB	494459-010	10/23/23 08:15	Wipe
AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-L-I	494459-012	10/23/23 08:10	Wipe
AFRAME-C11E-MED-L2-INT-0.5 TO 1-231023-L-FB	494459-013	10/23/23 08:00	Wipe
AFRAME-C8E-MED-L2-DN-C8.2-DG-231023-L-LA	494459-014	10/23/23 09:15	Wipe
AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-L-FB	494459-016	10/23/23 09:25	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	494459
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/23/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C9E-MED-L2-DN-C9.5-DG-231023-L-LA	494459-017	10/23/23 09:35	Wipe
AFRAME-C10E-MED-L2-INT-0 TO 0.5-231023-L-FB	494459-018	10/23/23 09:45	Wipe
AFRAME-C11E-MED-L2-EXT-0 TO 1-231023-L-WF	494459-019	10/23/23 09:50	Wipe
AFRAME-C8E-MED-L1-UP-C8.1-DG-231023-L-SS	494459-020	10/23/23 10:15	Wipe
AFRAME-C8E-MED-L1-EXT-2 TO 3-231023-L-WF	494459-021	10/23/23 10:10	Wipe
AFRAME-C8E-LAT-L1-INT-1 TO 2-231023-L-FB	494459-022	10/23/23 10:25	Wipe
231023-L-FIELDBLANK1-HO	494459-024	10/23/23 07:30	Wipe
231023-L-MEDBLANK1-HO	494459-025	10/23/23 11:45	Wipe

Case Narrative
METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 494459 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/23/23

- This data package contains sample and QC results for twenty one wipe samples, requested for the above referenced project on 10/24/23. See attached cooler receipt form for any sample receipt problems or discrepancies.
- This report was reissued in Level 4 format on 12/14/23.

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

Chain of Custody

494459

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	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
1	~~AFRAME-C9E-LAT-L2-DN-C9.5-DG-231023-L-LA~~	~~10/23/2023~~		~~WP~~	1	--		X		
2	AFRAME-C9E-MED-L3-DN-C9.2-DG-231023-L-LA	10/23/2023	0740	WP	1	--		X		
3	AFRAME-C10E-MED-L2-HS-1-231023-L-G	10/23/2023	0750	WP	1	--		X		
4	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-P-WF	10/23/2023	0855	WP	1	--	X			
5	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-WF	10/23/2023	0855	WP	1	--		X		
6	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF	10/23/2023	0855	WP	1	--		X		
7	AFRAME-C8E-LAT-L2-INT-0.5 TO 1-231023-L-FB	10/23/2023	0845	WP	1	--		X		
8	AFRAME-C8E-LAT-L2-UP-C8.1-VS-231023-L-I	10/23/2023	0836	WP	1	--		X		
9	AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-WF	10/23/2023	0825	WP	1	--		X		
10	AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF	10/23/2023	0825	WP	1	--		X		
11	AFRAME-C9E-LAT-L2-INT-0.5 TO 1-231023-L-FB	10/23/2023	0815	WP	1	--		X		
12	AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-P-I	10/23/2023	0810	WP	1	--	X			
13	AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-L-I	10/23/2023	0810	WP	1	--		X		
14	AFRAME-C11E-LAT-L2-INT-0.5 TO 1-231023-L-FB	10/23/2023	0800	WP	1	--		X		
15	AFRAME-C8E-MED-L2-DN-C8.2-DG-231023-L-LA	10/23/2023	0915	WP	1	--		X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michala Lynn	Rincon/Envscientist	10/23/23@ 1407
1 Received By:	Lindsay Hudson	AUDREY HUDSON	ENTHALPY	10/23/23 14:07
2 Relinquished By:	Audrey Hudson	"	"	10/23/23 16:25
2 Received By:		Jadz Peterson	Enthalpy	10.23.23 16:25
3 Relinquished By:				10/23/23 ~~17:15~~ 17:16
3 Received By:				10/24/23 0911

494459

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 4

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

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

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	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
16	AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-P-FB	10/23/2023	0925	WP	1	--	X		
17	AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-L-FB	10/23/2023	0925	WP	1	--		X	
18	AFRAME-C9E-MED-L2-DN-C9.5-DG-231023-L-LA	10/23/2023	0935	WP	1	--		X	
19	AFRAME-C10E-MED-L2-INT-0 TO 0.5-231023-L-FB	10/23/2023	0945	WP	1	--		X	
20	AFRAME-C11E-MED-L2-EXT-0 TO 1-231023-L-WF	10/23/2023	0950	WP	1	--		X	
21	~~AFRAME-C8E-LAT-L1-HS-3-231023-P-A~~	~~10/23/2023~~		~~WP~~	~~1~~	~~--~~	X		
22	~~AFRAME-C8E-LAT-L1-HS-3-231023-L-A~~	~~10/23/2023~~		~~WP~~	~~1~~			X	
23	AFRAME-C8E-MED-L1-UP-C8.1-DG-231023-L-SS	10/23/2023	1015	WP	1	--		X	
24	~~AFRAME-C8E-MED-L1-UP-C8.6-DG-231023-L-SS~~	~~10/23/2023~~		~~WP~~	~~1~~			X	
25	~~AFRAME-C9E-MED-L1-HS-3-231023-L-G~~	~~10/23/2023~~		~~WP~~	~~1~~			X	
26	~~AFRAME-C9E-LAT-L1-HS-3-231023-L-A~~	~~10/23/2023~~		~~WP~~	~~1~~	--		X	
27	~~AFRAME-C9E-LAT-L1-UP-C9.7-VS-231023-L-I~~	~~10/23/2023~~		~~WP~~	~~1~~			X	
28	~~AFRAME-C9E-MED-L1-UP-C9.6-DG-231023-P-SS~~	~~10/23/2023~~		~~WP~~	~~1~~	--	X		
29	~~AFRAME-C9E-MED-L1-UP-C9.6-DG-231023-L-SS~~	~~10/23/2023~~		~~WP~~	~~1~~			X	
30	~~AFRAME-C10E-LAT-L1-HS-3-231023-L-A~~	~~10/23/2023~~		~~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 5 Enclosure A/B (High Occupancy)

DW

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/ENV Scientist	10/23/23 C1407
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/23/23 14:07
[2] Relinquished By:	Audrey Hudson	"	"	10/23/23 16:25
[2] Received By:		Jodi Peterson	Enthalpy	10.23.23 16:25
[3] Relinquished By:		Manager Lab	RM	10/23/23 17:16
[3] Received By:		FedEx	EM	10/23/23 0911

494459

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	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-C11E-MED-L1-HS-3-231023-L-A~~	~~10/23/2023~~		~~WP~~	~~1~~	~~--~~		~~X~~		
32	AFRAME-C8E-MED-L1-EXT-2 TO 3-231023-L-WF	10/23/2023	1010	WP	1	--		X		
33	AFRAME-C8E-LAT-L1-INT-1 TO 2-231023-L-FB	10/23/2023	1025	WP	1	--		X		
34	~~AFRAME-C9E-MED-L1-UP-C9E-DG-231023-L-LA~~	~~10/23/2023~~		~~WP~~	~~1~~	~~--~~		~~X~~		
35	~~AFRAME-C9E-LAT-L1-INT-1 TO 2-231023-L-FB~~	~~10/23/2023~~		~~WP~~	~~1~~	~~--~~		~~X~~		
36	~~AFRAME-C9E-LAT-L1-INT-1 TO 2-231023-L-DUP-FB~~	~~10/23/2023~~		~~WP~~	~~1~~			~~X~~		
37	~~AFRAME-C11E-LAT-L1-INT-1 TO 2-231023-L-FB~~	~~10/23/2023~~		~~WP~~	~~1~~			~~X~~		
38	~~AFRAME-C8E-MED-L1-DN-C8.7-DG-231023-L-SS~~	~~10/23/2023~~		~~WP~~	~~1~~			~~X~~		
39	~~AFRAME-C9E-MED-L1-EXT-6 TO 1-231023-L-WF~~	~~10/23/2023~~		~~WP~~	~~1~~			~~X~~		
40	~~AFRAME-C9E-MED-L1-DN-C9.7-DG-231023-L-SS~~	~~10/23/2023~~		~~WP~~	~~1~~	--		~~X~~		
41	~~AFRAME-C9E-MED-L1-DN-C9E-DG-231023-L-SS~~	~~10/23/2023~~		~~WP~~	~~1~~			~~X~~		
42	231023-P-FIELDBLANK1-HO	10/23/2023	0730	WP	1	--	X			
43	231023-L-FIELDBLANK1-HO	10/23/2023	0730	WP	1	--		X		
44	231023-L-MEDBLANK1-HO	10/23/2023	1145	WP	1	--		X		
45	~~231023-L-FIELDBLANK2-HO~~	~~10/23/2023~~		~~WP~~	~~1~~	~~--~~		~~X~~		

Analysis Request

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

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 5 Enclosure A/B (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michael Lakin	Rincon/ENV Scientist	10/23/23 @1407
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/23/23 14:07
2 Relinquished By:	Audrey Hudson	"	"	10/23/23 16:25
2 Received By:		Jade Peterson	Enthalpy	10.23.23 16:25
3 Relinquished By:		Maxwell Ho	R V	10/23/23 17:16
3 Received By:		FEDEX	ES	10/24/23 0911

494459

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
46	~~231023-L-MEDBLANK2-HO~~	~~10/23/2023~~		~~WP~~	~~1~~	--		X		DW
47	~~231023-L-FIELDBLANK3-HO~~	~~10/23/2023~~		~~WP~~	~~1~~	--		X		DW
48	~~231023-L-MEDBLANK3-HO~~	~~10/23/2023~~		~~WP~~	~~1~~	--		X		DW
49	~~C8E-LAT-L3-EXT-0 TO 1-231023-L-WP~~	~~10/23/2023~~		~~WP~~	~~1~~	--		X		DW
50										
51										
52										
53										
54										
55										
56										
57										
58										
59										
60										

Analysis Request

Test Instructions / Comments

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

Report PCB concentrations on a 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 5 Enclosure A/B (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	10/23/23 1407
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	10/23/23 17:07
2 Relinquished By:	Audrey Hudson	"	"	10/23/23 16:25
2 Received By:		Jade Peterson	Enthalpy	10.23.23 16.25
3 Relinquished By:		Mariana M Lopez	Enthalpy	10/23/23 19:16
3 Received By:		Trayon	EA	10/24/23 0911

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

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 10/23/23 Login # 494459 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

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

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

Date Opened 10/23/23 By (print)_____ (sign)_____

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

If no cooler: Sample Temp (°C): _____

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

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

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

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

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

Preservative added:

☐ H2SO4 lot#_____ added to samples_____ Date/Time_____

☐ HCL lot#_____ added to samples_____ Date/Time_____

☐ HNO3 lot#_____ added to samples_____ Date/Time_____

☐ CrVI Buffer lot#_____ added to samples_____ Date/Time_____

Section 6: Explanations / Comments

No custody seal attached.

Date Logged 10/23/23 **By (print)** MY **(sign)** _____

Date Labeled 10/23/23 **By (print)** MY **(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: 10/24/23 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: 4.4 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

Section 3

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

Cooler Temp (°C): #1: 2.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

494459

Section 6

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

Project Manager's response:

Completed By: _____ Date: OCT 24 2023

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

526 | OAK | 94759195 526 - 94759195

Shipper's Name and Address ENTHALPY ANALYTICAL, LLC 931 W BARKLEY AVE ORANGE, CA 92868 US +1 (714) 771-6900	Shipper's Account Number 103977 - 1
Consignee's Name and Address ENTHALPY ANALYTICAL, LLC 931 W BARKLEY AVE ORANGE, CA 92868 US +1 (714) 771-6900	Consignee's Account Number 103977 - 1
Issuing Carrier's Agent Name and City	
Agent's IATA Code	Account No.
Airport of Departure (Addr. of First Carrier) and Requested Routing OAKLAND	

Not Negotiable / Issued by

52694759195

Southwest Cargo

swacargo.com (800) 533-1222

Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity.

It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage **subject to Southwest Airlines' Contract of Carriage** which is www.swacargo.com and any location where air waybills are available. **Shipper's attention is drawn to the terms of the contract which includes, among other things; (1) Limits on Carriers' liability for loss, damage, or delay of goods, including fragile or perishable goods; (2) Claim restrictions, including time within which shippers or consignees must file a claim or bring an action against the carrier for its acts or omissions or those of its agents; (3) Right of the carrier to change the terms of the contract; (4) Rules about refusal to carry; and (5) Rights of the carrier and limitations, concerning delay or failure to perform service, including schedule changes, rerouting, substitution of an alternate carrier or aircraft, or means of carriage including road unless specific contrary instructions are given hereon by shipper, and shipper agrees the shipment may be carried via intermediate stopping places the carrier deems appropriate.** Shipper may increase liability limits by declaring a higher value for carriage and paying a supplemental charge if required.

Accounting Information

Billed on 10/23/2023 18:57 PDT SWA ACCOUNT 103977

Service Level - S

To	By First Carrier	To	By	To	By	Currency	CHGS Code	WT.VAL PPD	WT.VAL COLL	Other PPD	Other COLL	Declared Value for Carriage	Declared Value for Customs
SNA	SOUTHWEST AIRLINES					USD	PP	X		X		NVD	

Airport of Destination	Flight Date	For Carrier Use Only	Flight Date	Amount of Insurance	INSURANCE - If carrier offers insurance, and such insurance is requested in accordance with the conditions thereof, indicate amount to be insured in figures in box marked "Amount of Insurance".
SNA	WN2937 / 23OCT				

HANDLING INFORMATION -

SCI

No. of Pieces RCP	Gross Weight	kg lb	Rate Class	Commodity Item No.	Chargeable Weight	Rate / Charge	Total	Nature and Quantity of Goods (Inc. Dimensions or Volume)
5	200	L	N	0000	200	As Agreed	*******	SOIL/WATER/AIR SAMPLES DIMS IN INCHES: 2 = 24 X 15 X 14 1 = 20 X 20 X 17 1 = 9 X 9 X 13 1 = 18 X 10 X 13
5	200						*******	

Berk @ 9:41

Prepaid / Weight Charge / Collect *******	Other Charges and Description MYC 0.00 SCC 0.00
Valuation Charge *******	
Tax *******	
Total Other Charges Due Agent	Shipper certifies that the particulars on the face hereof are correct and that **insofar as any part of the consignment contains dangerous goods, such part is properly described by name and is in proper condition for carriage by air according to the applicable Dangerous Goods Regulations.** I consent that this shipment shall be subject to search by the Carrier.
Total Other Charges Due Carrier ********	REBECCA BETANCOURT Signature of Shipper or his Agent
Total Prepaid / Total Collect *******	
Currency Conversion Rates / CC Charges in Dest.Currency	10/23/2023 18:57 PDT OAK E39474 Executed on (date and time) At (place) Signature of Issuing Carrier or its Agent
For Carriers Use only at Destination / Charges at Destination / Total Collect Charges	

526 - 94759195

ORIGINAL 1 (FOR ISSUING CARRIER)

2.7 /4.4

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 494459 **Project#:** 20-10491

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

Field ID: AFRAME-C9E-MED-L3-DN-C9.2-DG-231023-L-LA **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-001 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Dln Fac: 1.000 **Analyzed:** 10/24/23

494459-001 Analyte	Result	RL	Units
Lead	**180**	0.50	ug/ft2

Field ID: AFRAME-C10E-MED-L2-HS-1-231023-L-G **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-002 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Dln Fac: 1.000 **Analyzed:** 10/24/23

494459-002 Analyte	Result	RL	Units
Lead	**210**	0.50	ug/ft2

Field ID: AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-WF **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-004 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Dln Fac: 10.00 **Analyzed:** 10/24/23

494459-004 Analyte	Result	RL	Units
Lead	**490**	2.2	ug/ft2

Field ID: AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-005 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Dln Fac: 1.000 **Analyzed:** 10/24/23

494459-005 Analyte	Result	RL	Units
Lead	**390**	0.50	ug/ft2

Field ID: AFRAME-C8E-LAT-L2-INT-0.5 TO 1-231023-L-FB **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-006 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Dln Fac: 1.000 **Analyzed:** 10/24/23

494459-006 Analyte	Result	RL	Units
Lead	**200**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 494459 **Project#:** 20-10491

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

Field ID: AFRAME-C8E-LAT-L2-UP-C8.1-VS-231023-L-I **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-007 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 1.000 **Analyzed:** 10/24/23

494459-007 Analyte	Result	RL	Units
Lead	**210**	0.50	ug/ft2

Field ID: AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-WF **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-008 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 1.000 **Analyzed:** 10/24/23

494459-008 Analyte	Result	RL	Units
Lead	**140**	0.50	ug/ft2

Field ID: AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-009 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 1.000 **Analyzed:** 10/24/23

494459-009 Analyte	Result	RL	Units
Lead	**190**	0.50	ug/ft2

Field ID: AFRAME-C9E-LAT-L2-INT-0.5 TO 1-231023-L-FB **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-010 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 1.000 **Analyzed:** 10/24/23

494459-010 Analyte	Result	RL	Units
Lead	**320**	0.50	ug/ft2

Field ID: AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-L-I **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-012 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 1.000 **Analyzed:** 10/24/23

494459-012 Analyte	Result	RL	Units
Lead	**210**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 494459 **Project#:** 20-10491

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

Field ID: AFRAME-C11E-MED-L2-INT-0.5 TO 1-231023-L-FB **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-013 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 1.000 **Analyzed:** 10/24/23

494459-013 Analyte	Result	RL	Units
Lead	**270**	0.50	ug/ft2

Field ID: AFRAME-C8E-MED-L2-DN-C8.2-DG-231023-L-LA **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-014 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 1.000 **Analyzed:** 10/24/23

494459-014 Analyte	Result	RL	Units
Lead	**340**	0.50	ug/ft2

Field ID: AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-L-FB **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-016 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 1.000 **Analyzed:** 10/24/23

494459-016 Analyte	Result	RL	Units
Lead	**240**	0.50	ug/ft2

Field ID: AFRAME-C9E-MED-L2-DN-C9.5-DG-231023-L-LA **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-017 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 10.00 **Analyzed:** 10/24/23

494459-017 Analyte	Result	RL	Units
Lead	**570**	2.2	ug/ft2

Field ID: AFRAME-C10E-MED-L2-INT-0 TO 0.5-231023-L-FB **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-018 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 10.00 **Analyzed:** 10/24/23

494459-018 Analyte	Result	RL	Units
Lead	**570**	2.2	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 494459 **Project#:** 20-10491

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

Field ID: AFRAME-C11E-MED-L2-EXT-0 TO 1-231023-L-WF **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-019 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 10.00 **Analyzed:** 10/24/23

494459-019 Analyte	Result	RL	Units
Lead	**630**	2.2	ug/ft2

Field ID: AFRAME-C8E-MED-L1-UP-C8.1-DG-231023-L-SS **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-020 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 1.000 **Analyzed:** 10/24/23

494459-020 Analyte	Result	RL	Units
Lead	**230**	0.50	ug/ft2

Field ID: AFRAME-C8E-MED-L1-EXT-2 TO 3-231023-L-WF **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-021 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 10.00 **Analyzed:** 10/24/23

494459-021 Analyte	Result	RL	Units
Lead	**580**	2.2	ug/ft2

Field ID: AFRAME-C8E-LAT-L1-INT-1 TO 2-231023-L-FB **Batch#:** 325074 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-022 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 10.00 **Analyzed:** 10/24/23

494459-022 Analyte	Result	RL	Units
Lead	**530**	2.2	ug/ft2

Field ID: 231023-L-FIELDBLANK1-HO **Batch#:** 325075 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/23/23 **Analysis:** EPA 6010B
Lab ID: 494459-024 **Received:** 10/23/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/24/23
Diln Fac: 1.000 **Analyzed:** 10/24/23

494459-024 Analyte	Result	RL	Units
Lead	**1.4**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 494459 **Project#:** 20-10491

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

Field ID:	231023-L-MEDBLANK1-HO	**Batch#:**	325075	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	10/23/23	**Analysis:**	EPA 6010B
Lab ID:	494459-025	**Received:**	10/23/23	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	10/24/23		
Diln Fac:	1.000	**Analyzed:**	10/24/23		

494459-025 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type:	BLANK	**Batch#:**	325074	**Analysis:**	EPA 6010B
Lab ID:	QC1102278	**Prepared:**	10/24/23	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	10/24/23		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1102278 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type:	BLANK	**Batch#:**	325075	**Analysis:**	EPA 6010B
Lab ID:	QC1102281	**Prepared:**	10/24/23	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	10/24/23		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1102281 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 494459 **Project#:** 20-10491

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

Type: BS **Batch#:** 325074 **Analysis:** EPA 6010B
Lab ID: QC1102279 **Prepared:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/24/23
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1102279 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	111.3	111	80-120	ug/ft2

Type: BS **Batch#:** 325075 **Analysis:** EPA 6010B
Lab ID: QC1102282 **Prepared:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/24/23
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1102282 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	109.4	109	80-120	ug/ft2

Type: BSD **Batch#:** 325074 **Analysis:** EPA 6010B
Lab ID: QC1102280 **Prepared:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/24/23
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1102280 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	116.4	116	80-120	ug/ft2	4	20

Type: BSD **Batch#:** 325075 **Analysis:** EPA 6010B
Lab ID: QC1102283 **Prepared:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/24/23
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1102283 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	110.3	110	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 494459 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB
494459-001	MET06	10/24/23 15:56	1.0	✓
494459-002	MET06	10/24/23 16:00	1.0	✓
494459-004	MET06	10/24/23 16:03	1.0	
494459-004	MET06	10/24/23 16:42	10.0	✓
494459-005	MET06	10/24/23 16:06	1.0	✓
494459-006	MET06	10/24/23 16:09	1.0	✓
494459-007	MET06	10/24/23 16:13	1.0	✓
494459-008	MET06	10/24/23 16:16	1.0	✓
494459-009	MET06	10/24/23 16:20	1.0	✓
494459-010	MET06	10/24/23 16:23	1.0	✓
494459-012	MET09	10/24/23 16:04	1.0	✓
494459-013	MET09	10/24/23 16:07	1.0	✓
494459-014	MET09	10/24/23 16:10	1.0	✓
494459-016	MET09	10/24/23 16:13	1.0	✓
494459-017	MET09	10/24/23 16:16	1.0	
494459-017	MET06	10/24/23 16:45	10.0	✓
494459-018	MET09	10/24/23 16:19	1.0	
494459-018	MET06	10/24/23 16:48	10.0	✓
494459-019	MET09	10/24/23 16:22	1.0	
494459-019	MET06	10/24/23 16:52	10.0	✓
494459-020	MET09	10/24/23 16:26	1.0	✓
494459-021	MET09	10/24/23 16:29	1.0	
494459-021	MET06	10/24/23 16:59	10.0	✓
494459-022	MET09	10/24/23 16:32	1.0	
494459-022	MET06	10/24/23 17:02	10.0	✓
494459-024	MET09	10/24/23 15:33	1.0	✓
494459-025	MET09	10/24/23 15:36	1.0	✓

Lab ID	Inst ID	Analyzed	IDF	PB
QC1102278	MET09	10/24/23 15:45	1.0	✓
QC1102279	MET09	10/24/23 15:48	1.0	
QC1102279	MET06	10/24/23 16:35	1.0	✓
QC1102280	MET09	10/24/23 15:51	1.0	
QC1102280	MET06	10/24/23 16:39	1.0	✓
QC1102281	MET09	10/24/23 15:23	1.0	✓
QC1102282	MET09	10/24/23 15:26	1.0	✓
QC1102283	MET09	10/24/23 15:29	1.0	✓

Enthalpy Sequence Summary for Sequence 483428236

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			10/24/23 09:16	1.0	1	
002	met06_master011	ICAL	L1			10/24/23 09:20	1.0	2 1	
003	met06_master011	ICAL	L2			10/24/23 09:23	1.0	3 1	
004	met06_master011	ICAL	L3			10/24/23 09:26	1.0	4 1	
005	met06_master011	ICAL	L4			10/24/23 09:29	1.0	5 1	
006	met06_master011	ICAL	L5			10/24/23 09:33	1.0	6 1	
007	met06_master011	ICAL	L6			10/24/23 09:36	1.0	7 1	
008	met06_master011	ICAL	L7			10/24/23 09:39	1.0	8 1	
009	met06_master011	ICAL	L8			10/24/23 09:42	1.0	9 1	
010	met06_master011	ICV				10/24/23 09:46	1.0	10 1	
011	met06_master011	CRI				10/24/23 09:49	1.0	11 1	
012	met06_master011	ICB				10/24/23 09:52	1.0	1	
013	met06_master011	ICSA				10/24/23 09:56	1.0	12 1	6:MGASMGCO3=1400
014	met06_master011	ICSAB				10/24/23 09:59	1.0	13 1	6:MGASMGCO3=1400
015	met06_master011	BLANK	QC1100361	Water	324479	10/24/23 10:03	1.0	1	
016	met06_master011	BLANK	QC1102252	Drinking Water	325063	10/24/23 10:06	1.0	1	
017	met06_master011	LCS	QC1102253	Drinking Water	325063	10/24/23 10:09	1.0	1	
018	met06_master011	SAMPLE	494312-001	Drinking Water	325063	10/24/23 10:13	1.0	1	
019	met06_master011	SAMPLE	494487-001	Drinking Water	325063	10/24/23 10:16	1.0	1	
020	met06_master011	MSS	494489-001	Drinking Water	325063	10/24/23 10:19	1.0	1	
021	met06_master011	MS	QC1102254	Drinking Water	325063	10/24/23 10:22	1.0	1	
022	met06_master011	MSD	QC1102255	Drinking Water	325063	10/24/23 10:26	1.0	1	
023	met06_master011	XCCV				10/24/23 10:29	1.0	10 1	
024	met06_master011	CCV				10/24/23 10:35	1.0	10 1	
025	met06_master011	CCB				10/24/23 10:38	1.0	1	
026	met06_master011	BLANK	QC1102162	Soil	325041	10/24/23 11:20	1.0	1	
027	met06_master011	LCS	QC1102163	Soil	325041	10/24/23 11:23	1.0	1	
028	met06_master011	MSS	494412-001	Soil	325041	10/24/23 11:26	1.0	1	4:FEASFE2O3=200
029	met06_master011	MS	QC1102164	Soil	325041	10/24/23 11:29	1.0	1	5:ALASAL2O3=230

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
030	met06_master011	MSD	QC1102165	Soil	325041	10/24/23 11:33	1.0	1	5:ALASAL2O3=220
031	met06_master011	PDS	QC1102166	Soil	325041	10/24/23 11:36	1.0	1	4:FEASFE2O3=200
032	met06_master011	SAMPLE	494412-002	Soil	325041	10/24/23 11:39	1.0	1	2:FE=160
033	met06_master011	SAMPLE	494293-021	Soil	325041	10/24/23 11:42	1.0	1	2:FE=120
034	met06_master011	SAMPLE	494293-022	Soil	325041	10/24/23 11:46	1.0	1	2:FE=110
035	met06_master011	SAMPLE	494293-023	Soil	325041	10/24/23 11:49	1.0	1	3:FE=180
036	met06_master011	CCV				10/24/23 11:52	1.0	10 1	
037	met06_master011	CCB				10/24/23 11:55	1.0	1	
038	met06_master011	SAMPLE	494293-024	Soil	325041	10/24/23 11:59	1.0	1	2:FE=150
039	met06_master011	SAMPLE	494376-001	Soil	325041	10/24/23 12:02	1.0	1	3:FE=180
040	met06_master011	SAMPLE	494376-002	Soil	325041	10/24/23 12:05	1.0	1	2:FE=140
041	met06_master011	SAMPLE	494376-003	Soil	325041	10/24/23 12:08	1.0	1	2:FE=110
042	met06_master011	SAMPLE	494376-004	Soil	325041	10/24/23 12:12	1.0	1	3:FE=160
043	met06_master011	SAMPLE	494376-005	Soil	325041	10/24/23 12:15	1.0	1	3:FE=220
044	met06_master011	SAMPLE	494376-006	Soil	325041	10/24/23 12:18	1.0	1	3:FE=180
045	met06_master011	SAMPLE	494376-007	Soil	325041	10/24/23 12:21	1.0	1	3:AL=210
046	met06_master011	SAMPLE	494376-008	Soil	325041	10/24/23 12:25	1.0	1	3:FE=130
047	met06_master011	SAMPLE	494449-003	Soil	325041	10/24/23 12:28	1.0	1	3:FE=180
048	met06_master011	CCV				10/24/23 12:31	1.0	10 1	
049	met06_master011	CCB				10/24/23 12:34	1.0	1	
050	met06_master011	SAMPLE	494469-001	Soil	325041	10/24/23 12:38	1.0	1	3:FE=240
051	met06_master011	SAMPLE	494470-001	Soil	325041	10/24/23 12:41	1.0	1	3:FE=160
052	met06_master011	SAMPLE	494470-002	Soil	325041	10/24/23 12:44	1.0	1	3:FE=180
053	met06_master011	SAMPLE	494470-003	Soil	325041	10/24/23 12:47	1.0	1	3:FE=150
054	met06_master011	SAMPLE	494470-004	Soil	325041	10/24/23 12:51	1.0	1	3:FE=190
055	met06_master011	CCV				10/24/23 12:54	1.0	10 1	
056	met06_master011	CCB				10/24/23 12:57	1.0	1	
057	met06_master011	BLANK	QC1102167	Soil	325042	10/24/23 13:00	1.0	1	
058	met06_master011	LCS	QC1102168	Soil	325042	10/24/23 13:04	1.0	1	

Enthalpy Sequence Summary for Sequence 483428236

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
059	met06_master011	MSS	494325-002	Soil	325042	10/24/23 13:07	1.0	1	4:FEASFE2O3=190
060	met06_master011	MS	QC1102169	Soil	325042	10/24/23 13:10	1.0	1	4:ALASAL2O3=210
061	met06_master011	MSD	QC1102170	Soil	325042	10/24/23 13:13	1.0	1	4:ALASAL2O3=200
062	met06_master011	PDS	QC1102171	Soil	325042	10/24/23 13:17	1.0	1	4:FEASFE2O3=180
063	met06_master011	SAMPLE	494325-003	Soil	325042	10/24/23 13:20	1.0	1	2:FE=130
064	met06_master011	SAMPLE	494325-004	Soil	325042	10/24/23 13:23	1.0	1	2:FE=100
065	met06_master011	SAMPLE	494325-005	Soil	325042	10/24/23 13:26	1.0	1	2:FE=110
066	met06_master011	SAMPLE	494325-006	Soil	325042	10/24/23 13:30	1.0	1	2:FE=100
067	met06_master011	CCV				10/24/23 13:33	1.0	10 1	
068	met06_master011	CCB				10/24/23 13:36	1.0	1	
069	met06_master011	SAMPLE	494325-007	Soil	325042	10/24/23 13:39	1.0	1	2:FE=140
070	met06_master011	SAMPLE	494325-008	Soil	325042	10/24/23 13:43	1.0	1	2:FE=120
071	met06_master011	SAMPLE	494325-009	Soil	325042	10/24/23 13:46	1.0	1	2:FE=110
072	met06_master011	SAMPLE	494325-010	Soil	325042	10/24/23 13:49	1.0	1	2:FE=100
073	met06_master011	SAMPLE	494325-011	Soil	325042	10/24/23 13:52	1.0	1	2:FE=100
074	met06_master011	SAMPLE	494325-012	Soil	325042	10/24/23 13:56	1.0	1	2:FE=130
075	met06_master011	SAMPLE	494325-013	Soil	325042	10/24/23 13:59	1.0	1	3:FE=220
076	met06_master011	SAMPLE	494325-014	Soil	325042	10/24/23 14:02	1.0	1	2:FE=150
077	met06_master011	SAMPLE	494325-015	Soil	325042	10/24/23 14:05	1.0	1	2:FE=130
078	met06_master011	SAMPLE	494325-016	Soil	325042	10/24/23 14:09	1.0	1	3:FE=200
079	met06_master011	CCV				10/24/23 14:12	1.0	10 1	
080	met06_master011	CCB				10/24/23 14:15	1.0	1	
081	met06_master011	SAMPLE	494325-017	Soil	325042	10/24/23 14:18	1.0	1	2:FE=130
082	met06_master011	BLANK	QC1102261	Soil	325069	10/24/23 14:22	1.0	1	
083	met06_master011	LCS	QC1102262	Soil	325069	10/24/23 14:26	1.0	1	
084	met06_master011	MSS	494370-001	Miscell.	325069	10/24/23 14:29	1.0	1	5:FEASFE2O3=290
085	met06_master011	MS	QC1102263	Miscell.	325069	10/24/23 14:32	1.0	1	5:ALASAL2O3=310
086	met06_master011	MSD	QC1102264	Miscell.	325069	10/24/23 14:35	1.0	1	5:ALASAL2O3=300
087	met06_master011	PDS	QC1102265	Miscell.	325069	10/24/23 14:39	1.0	1	5:FEASFE2O3=280

Enthalpy Sequence Summary for Sequence 483428236

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
088	met06_master011	SAMPLE	494439-001	Soil	325069	10/24/23 14:42	1.0	1	2:FE=200
089	met06_master011	XBLANK	QC1102278	Wipe	325074	10/24/23 14:45	1.0	1	
090	met06_master011	CCV				10/24/23 14:49	1.0	10 1	
091	met06_master011	CCB				10/24/23 14:53	1.0	1	
092	met06_master011	SAMPLE	494325-018	Soil	325042	10/24/23 14:57	1.0	1	2:FE=150
093	met06_master011	SAMPLE	494325-019	Soil	325042	10/24/23 15:00	1.0	1	2:FE=160
094	met06_master011	SAMPLE	494325-020	Soil	325042	10/24/23 15:03	1.0	1	2:FE=110
095	met06_master011	SAMPLE	494460-005	Filtrate	325029	10/24/23 15:07	100.0	1	1:MN=10
096	met06_master011	SAMPLE	494460-007	Filtrate	325029	10/24/23 15:10	100.0	1	1:MN=9.9
097	met06_master011	SAMPLE	494370-002	Miscell.	325069	10/24/23 15:13	1.0	1	3:FE=180
098	met06_master011	SAMPLE	494370-003	Miscell.	325069	10/24/23 15:16	1.0	1	3:FE=200
099	met06_master011	SAMPLE	494370-016	Soil	325069	10/24/23 15:20	1.0	1	3:FE=180
100	met06_master011	SAMPLE	494451-001	Miscell.	325069	10/24/23 15:23	1.0	1	2:FE=110
101	met06_master011	SAMPLE	494452-001	Miscell.	325069	10/24/23 15:26	1.0	1	
102	met06_master011	CCV				10/24/23 15:29	1.0	10 1	
103	met06_master011	CCB				10/24/23 15:33	1.0	1	
104	met06_master011	SAMPLE	494480-001	Soil	325069	10/24/23 15:36	1.0	1	3:FE=220
105	met06_master011	SAMPLE	494480-003	Soil	325069	10/24/23 15:39	1.0	1	3:FE=220
106	met06_master011	SAMPLE	494480-005	Soil	325069	10/24/23 15:42	1.0	1	3:FE=200
107	met06_master011	SAMPLE	494480-007	Soil	325069	10/24/23 15:46	1.0	1	3:FE=210
108	met06_master011	CCV				10/24/23 15:50	1.0	10 1	
109	met06_master011	CCB				10/24/23 15:53	1.0	1	
110	met06_master011	SAMPLE	494459-001	Wipe	325074	10/24/23 15:56	1.0	1	1:FE=73
111	met06_master011	SAMPLE	494459-002	Wipe	325074	10/24/23 16:00	1.0	1	2:FE=86
112	met06_master011	SAMPLE	494459-004	Wipe	325074	10/24/23 16:03	1.0	1	3:FE=130
113	met06_master011	SAMPLE	494459-005	Wipe	325074	10/24/23 16:06	1.0	1	2:FE=120
114	met06_master011	SAMPLE	494459-006	Wipe	325074	10/24/23 16:09	1.0	1	1:FE=130
115	met06_master011	SAMPLE	494459-007	Wipe	325074	10/24/23 16:13	1.0	1	1:FE=100
116	met06_master011	SAMPLE	494459-008	Wipe	325074	10/24/23 16:16	1.0	1	1:FE=120

Enthalpy Sequence Summary for Sequence 483428236

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
117	met06_master011	SAMPLE	494459-009	Wipe	325074	10/24/23 16:20	1.0	1	1:FE=120
118	met06_master011	SAMPLE	494459-010	Wipe	325074	10/24/23 16:23	1.0	1	2:ZN=230
119	met06_master011	CCV				10/24/23 16:27	1.0	10 1	
120	met06_master011	CCB				10/24/23 16:30	1.0	1	
121	met06_master011	BS	QC1102279	Wipe	325074	10/24/23 16:35	1.0	1	
122	met06_master011	BSD	QC1102280	Wipe	325074	10/24/23 16:39	1.0	1	
123	met06_master011	SAMPLE	494459-004	Wipe	325074	10/24/23 16:42	10.0	1	
124	met06_master011	SAMPLE	494459-017	Wipe	325074	10/24/23 16:45	10.0	1	
125	met06_master011	SAMPLE	494459-018	Wipe	325074	10/24/23 16:48	10.0	1	
126	met06_master011	SAMPLE	494459-019	Wipe	325074	10/24/23 16:52	10.0	1	
127	met06_master011	SAMPLE	494459-021	Wipe	325074	10/24/23 16:59	10.0	1	
128	met06_master011	SAMPLE	494459-022	Wipe	325074	10/24/23 17:02	10.0	1	1:ZN=47
129	met06_master011	BLANK	QC1102289	Water	325078	10/24/23 17:06	1.0	1	
130	met06_master011	LCS	QC1102290	Water	325078	10/24/23 17:09	1.0	1	
131	met06_master011	CCV				10/24/23 17:12	1.0	10 1	
132	met06_master011	CCB				10/24/23 17:15	1.0	1	
133	met06_master011	MSS	493975-003	Water	325078	10/24/23 17:19	1.0	1	
134	met06_master011	MS	QC1102291	Water	325078	10/24/23 17:22	1.0	1	1:CAASCACO3=270
135	met06_master011	MSD	QC1102292	Water	325078	10/24/23 17:25	1.0	1	1:CAASCACO3=270
136	met06_master011	SAMPLE	494095-001	Water	325078	10/24/23 17:28	10.0	1	1:CU=73
137	met06_master011	SAMPLE	494095-001	Water	325078	10/24/23 17:31	100.0	1	
138	met06_master011	SAMPLE	494460-005	Filtrate	325029	10/24/23 17:35	500.0	1	
139	met06_master011	SAMPLE	494460-007	Filtrate	325029	10/24/23 17:38	500.0	1	
140	met06_master011	BLANK	QC1102329	Air	325092	10/24/23 17:41	1.0	1	
141	met06_master011	BS	QC1102330	Air	325092	10/24/23 17:44	1.0	1	
142	met06_master011	BSD	QC1102331	Air	325092	10/24/23 17:48	1.0	1	
143	met06_master011	CCV				10/24/23 17:51	1.0	10 1	
144	met06_master011	CCB				10/24/23 17:54	1.0	1	
145	met06_master011	SAMPLE	494441-001	Air	325092	10/24/23 17:57	1.0	1	

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
146	met06_master011	SAMPLE	494441-002	Air	325092	10/24/23 18:01	1.0	1	
147	met06_master011	SAMPLE	494441-004	Air	325092	10/24/23 18:04	1.0	1	
148	met06_master011	SAMPLE	494441-005	Air	325092	10/24/23 18:07	1.0	1	
149	met06_master011	SAMPLE	494441-006	Air	325092	10/24/23 18:10	1.0	1	
150	met06_master011	SAMPLE	494441-007	Air	325092	10/24/23 18:14	1.0	1	
151	met06_master011	SAMPLE	494481-001	Air	325092	10/24/23 18:17	1.0	1	
152	met06_master011	SAMPLE	494481-003	Air	325092	10/24/23 18:20	1.0	1	
153	met06_master011	SAMPLE	494481-004	Air	325092	10/24/23 18:23	1.0	1	
154	met06_master011	BLANK	QC1102302	Soil	325083	10/24/23 18:26	1.0	1	
155	met06_master011	CCV				10/24/23 18:32	1.0	10 1	
156	met06_master011	CCB				10/24/23 18:35	1.0	1	
157	met06_master011	LCS	QC1102303	Soil	325083	10/24/23 18:38	1.0	1	
158	met06_master011	SAMPLE	494370-017	Soil	325083	10/24/23 18:42	1.0	1	3:FE=180
159	met06_master011	SAMPLE	494370-018	Soil	325083	10/24/23 18:45	1.0	1	3:FE=170
160	met06_master011	SAMPLE	494475-001	Soil	325083	10/24/23 18:48	1.0	1	2:AL=220
161	met06_master011	SAMPLE	494475-002	Soil	325083	10/24/23 18:51	1.0	1	2:FE=230
162	met06_master011	SAMPLE	494475-003	Soil	325083	10/24/23 18:55	1.0	1	2:FE=210
163	met06_master011	SAMPLE	494475-004	Soil	325083	10/24/23 18:58	1.0	1	2:FE=220
164	met06_master011	SAMPLE	494475-005	Soil	325083	10/24/23 19:01	1.0	1	2:FE=200
165	met06_master011	SAMPLE	494475-006	Soil	325083	10/24/23 19:04	1.0	1	2:FE=180
166	met06_master011	SAMPLE	494475-007	Soil	325083	10/24/23 19:07	1.0	1	2:FE=160
167	met06_master011	CCV				10/24/23 19:11	1.0	10 1	
168	met06_master011	CCB				10/24/23 19:14	1.0	1	
169	met06_master011	SAMPLE	494475-008	Soil	325083	10/24/23 19:17	1.0	1	2:FE=150
170	met06_master011	BLANK	QC1102420	Drinking Water	325134	10/24/23 19:26	1.0	1	
171	met06_master011	LCS	QC1102421	Drinking Water	325134	10/24/23 19:29	1.0	1	
172	met06_master011	MSS	494425-001	Drinking Water	325134	10/24/23 19:32	1.0	1	
173	met06_master011	MS	QC1102422	Drinking Water	325134	10/24/23 19:35	1.0	1	
174	met06_master011	MSD	QC1102423	Drinking Water	325134	10/24/23 19:39	1.0	1	

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
175	met06_master011	SAMPLE	494577-001	Drinking Water	325134	10/24/23 19:42	1.0	1	
176	met06_master011	BLANK	QC1102379	Sea Water	325110	10/24/23 19:45	1.0	1	
177	met06_master011	LCS	QC1102380	Sea Water	325110	10/24/23 19:48	1.0	1	
178	met06_master011	SAMPLE	494221-007	Filtrate	325110	10/24/23 19:52	1.0	1	
179	met06_master011	CCV				10/24/23 19:55	1.0	10 1	
180	met06_master011	CCB				10/24/23 19:58	1.0	1	
181	met06_master011	SAMPLE	494487-002	Sea Water	325110	10/24/23 20:01	1.0	1	2:MG=1200
182	met06_master011	MSS	494517-001	Water	325110	10/24/23 20:05	1.0	1	
183	met06_master011	MS	QC1102387	Water	325110	10/24/23 20:08	1.0	1	
184	met06_master011	MSD	QC1102388	Water	325110	10/24/23 20:11	1.0	1	
185	met06_master011	SAMPLE	494517-002	Water	325110	10/24/23 20:15	1.0	1	
186	met06_master011	SAMPLE	494538-001	Water	325110	10/24/23 20:18	1.0	1	
187	met06_master011	SAMPLE	494475-015	Soil	325083	10/24/23 20:21	1.0	1	3:AL=230
188	met06_master011	SAMPLE	494475-016	Soil	325083	10/24/23 20:24	1.0	1	2:FE=270
189	met06_master011	MSS	494477-001	Soil	325083	10/24/23 20:27	1.0	1	6:CAASCACO3=1100
190	met06_master011	MS	QC1102304	Soil	325083	10/24/23 20:31	1.0	1	6:CAASCACO3=1200
191	met06_master011	CCV				10/24/23 20:34	1.0	10 1	
192	met06_master011	CCB				10/24/23 20:37	1.0	1	
193	met06_master011	MSD	QC1102305	Soil	325083	10/24/23 20:40	1.0	1	6:CAASCACO3=1300
194	met06_master011	PDS	QC1102306	Soil	325083	10/24/23 20:44	1.0	1	6:CAASCACO3=1100
195	met06_master011	SAMPLE	494477-003	Soil	325083	10/24/23 20:47	1.0	1	3:AL=220
196	met06_master011	SAMPLE	494477-004	Soil	325083	10/24/23 20:50	1.0	1	2:FE=170
197	met06_master011	SAMPLE	494477-005	Soil	325083	10/24/23 20:53	1.0	1	2:AL=440
198	met06_master011	SAMPLE	494477-006	Soil	325083	10/24/23 20:57	1.0	1	2:FE=150
199	met06_master011	SAMPLE	494477-007	Soil	325083	10/24/23 21:00	1.0	1	2:AL=220
200	met06_master011	SAMPLE	494477-008	Soil	325083	10/24/23 21:03	1.0	1	2:FE=170
201	met06_master011	BLANK	QC1102416	Filtrate	325127	10/24/23 21:06	1.0	1	
202	met06_master011	LCS	QC1102417	Filtrate	325127	10/24/23 21:10	1.0	1	
203	met06_master011	CCV				10/24/23 21:13	1.0	10 1	

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
204	met06_master011	CCB				10/24/23 21:16	1.0	1	
205	met06_master011	MSS	494541-001	Filtrate	325127	10/24/23 21:19	1.0	1	
206	met06_master011	MS	QC1102418	Filtrate	325127	10/24/23 21:22	1.0	1	
207	met06_master011	MSD	QC1102419	Filtrate	325127	10/24/23 21:26	1.0	1	
208	met06_master011	SAMPLE	494541-002	Filtrate	325127	10/24/23 21:29	1.0	1	
209	met06_master011	SAMPLE	494541-003	Filtrate	325127	10/24/23 21:32	5.0	1	1:MN=90
210	met06_master011	SAMPLE	494541-004	Filtrate	325127	10/24/23 21:35	1.0	1	
211	met06_master011	SAMPLE	494541-006	Filtrate	325127	10/24/23 21:39	1.0	1	
212	met06_master011	SAMPLE	494541-007	Filtrate	325127	10/24/23 21:42	1.0	1	
213	met06_master011	SAMPLE	494541-008	Filtrate	325127	10/24/23 21:45	1.0	1	
214	met06_master011	SAMPLE	494541-009	Filtrate	325127	10/24/23 21:48	1.0	1	
215	met06_master011	CCV				10/24/23 21:52	1.0	10 1	
216	met06_master011	CCB				10/24/23 21:55	1.0	1	
217	met06_master011	CCV				10/24/23 21:58	1.0	10 1	
218	met06_master011	CCB				10/24/23 22:01	1.0	1	

SBW 10/24/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 025.

SBW 10/25/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 026 through 218.

Standards Used:
1=S14463 2=S19164 3=S19163 4=S19162 5=S19161 6=S19156 7=S19112 8=S19241 9=S18727 10=S19239 11=S19135 12=S19107 13=S19108

Enthalpy Internal Standard Summary for Sequence 483428236

Date: 10/24/23 Reference: met06_master011
Sequence: MET06 10/24/23 Analyzed: 10/24/23 09:16

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	33390100	2031070	719619
		LOWER LIMIT	10017030	609321	215886
		UPPER LIMIT	66780200	4062140	1439238
012	ICB		33053400	2000310	712478
013	ICSA		28990200	1803050	673511
014	ICSAB		29144700	1788980	664749
015	BLANK	QC1100361	32917000	2003300	703186
016	BLANK	QC1102252	33311200	2018660	710539
017	LCS	QC1102253	31875400	1950290	690212
018	SAMPLE	494312-001	32038500	1999910	702969
019	SAMPLE	494487-001	32858500	2018360	700436
020	MSS	494489-001	32751300	1998300	707333
021	MS	QC1102254	32341200	1977770	703000
022	MSD	QC1102255	31875300	1970430	702218
024	CCV		30863700	1909390	682262
025	CCB		33042800	1998730	694041
026	BLANK	QC1102162	32647700	1977450	701690
027	LCS	QC1102163	32258900	1935300	685571
028	MSS	494412-001	31755300	1914850	685866
029	MS	QC1102164	31669700	1932530	692316
030	MSD	QC1102165	31561400	1911150	676850
031	PDS	QC1102166	31420700	1930030	686365
032	SAMPLE	494412-002	31243100	1952870	682255
033	SAMPLE	494293-021	31225700	1910960	676496
034	SAMPLE	494293-022	31636300	1926260	683334
035	SAMPLE	494293-023	30697500	1903170	671941
036	CCV		31488700	1916670	682683
037	CCB		32729100	1979180	684739
038	SAMPLE	494293-024	31111600	1905330	675467
039	SAMPLE	494376-001	30688600	1873450	678149
040	SAMPLE	494376-002	31492600	1941220	677623
041	SAMPLE	494376-003	31697900	1940780	674582
042	SAMPLE	494376-004	31358300	1927660	686756
043	SAMPLE	494376-005	31025400	1919850	682850
044	SAMPLE	494376-006	31209700	1928860	681679
045	SAMPLE	494376-007	31130100	1929910	671266
046	SAMPLE	494376-008	31469700	1959960	676961
047	SAMPLE	494449-003	31035800	1921880	678502
048	CCV		31837500	1958350	674610
049	CCB		33637300	2024820	685208
050	SAMPLE	494469-001	30427000	1874350	674563
051	SAMPLE	494470-001	31404200	1944300	680226
052	SAMPLE	494470-002	31292400	1939630	680719
053	SAMPLE	494470-003	31478200	1953960	679464
054	SAMPLE	494470-004	31170200	1928280	678444
055	CCV		31619500	1949520	667494
056	CCB		33598700	2025520	691606
057	BLANK	QC1102167	33384200	2025610	693879
058	LCS	QC1102168	33169400	1996620	674396
059	MSS	494325-002	32119400	1964740	668094
060	MS	QC1102169	31460700	1964410	669517
061	MSD	QC1102170	31899600	1962400	680374
062	PDS	QC1102171	32226300	1988780	678660
063	SAMPLE	494325-003	32069100	1985900	683155
064	SAMPLE	494325-004	32227800	1993860	679520
065	SAMPLE	494325-005	32352400	1999630	670973
066	SAMPLE	494325-006	32388800	1994480	675561

Enthalpy Internal Standard Summary for Sequence 483428236

Date:	10/24/23	Reference:	met06_master011
Sequence:	MET06 10/24/23	Analyzed:	10/24/23 09:16

#	Type	Sample ID	Y H	Y A	Y R
067	CCV		31672600	1951820	667546
068	CCB		33731300	2036770	681050
069	SAMPLE	494325-007	31936700	1971800	669894
070	SAMPLE	494325-008	31922600	1985780	671011
071	SAMPLE	494325-009	32025400	1973140	672904
072	SAMPLE	494325-010	32181400	1983190	668705
073	SAMPLE	494325-011	32312800	1995930	673702
074	SAMPLE	494325-012	31994900	1996450	671763
075	SAMPLE	494325-013	32053100	1989850	683202
076	SAMPLE	494325-014	32323800	1998860	675169
077	SAMPLE	494325-015	32323700	1987850	678840
078	SAMPLE	494325-016	32106500	1972390	678898
079	CCV		31489300	1975100	674695
080	CCB		33583400	2024520	682854
081	SAMPLE	494325-017	32518700	2004970	678543
082	BLANK	QC1102261	33520500	2019200	677286
083	LCS	QC1102262	32794800	1999520	678645
084	MSS	494370-001	31783800	1982700	683264
088	SAMPLE	494439-001	31817000	1980710	680603
090	CCV		31722600	1962300	663070
091	CCB		34245200	2041980	679622
092	SAMPLE	494325-018	32006900	1974510	657640
093	SAMPLE	494325-019	32137500	1968420	673835
094	SAMPLE	494325-020	32466800	1989980	668921
095	SAMPLE	494460-005	35874200	2209860	726467
096	SAMPLE	494460-007	35969500	2188900	713015
097	SAMPLE	494370-002	31392200	1961170	683607
098	SAMPLE	494370-003	31479800	1961330	680889
099	SAMPLE	494370-016	31916100	1963570	669499
100	SAMPLE	494451-001	32381600	1980980	676835
101	SAMPLE	494452-001	33416500	2032850	678654
102	CCV		32645400	1992470	673411
103	CCB		34220300	2071830	680628
104	SAMPLE	494480-001	31582700	1967350	672296
105	SAMPLE	494480-003	31393500	1964970	673906
106	SAMPLE	494480-005	31727400	1962530	666665
107	SAMPLE	494480-007	31511800	1953680	678116
108	CCV		32562300	1983570	669277
109	CCB		34558200	2071840	688382
110	SAMPLE	494459-001	32552000	1967310	676684
111	SAMPLE	494459-002	32916000	1991670	674990
112	SAMPLE	494459-004	32188500	1959420	673579
113	SAMPLE	494459-005	32266500	1969810	672393
114	SAMPLE	494459-006	32498200	1984230	673494
115	SAMPLE	494459-007	32607600	1984970	683782
116	SAMPLE	494459-008	33404500	2028340	686222
117	SAMPLE	494459-009	33341100	2009950	687994
118	SAMPLE	494459-010	32685200	1964440	676164
119	CCV		32832500	2004890	670719
120	CCB		34733300	2097590	685927
121	BS	QC1102279	31986500	1976680	662157
122	BSD	QC1102280	32166100	1982070	668422
123	SAMPLE	494459-004	36543800	2164210	704515
124	SAMPLE	494459-017	36278500	2163840	706350
125	SAMPLE	494459-018	35850200	2171660	708966
126	SAMPLE	494459-019	35419900	2143690	709659
127	SAMPLE	494459-021	35567800	2137450	698332

Enthalpy Internal Standard Summary for Sequence 483428236

Date: 10/24/23 Reference: met06_master011
Sequence: MET06 10/24/23 Analyzed: 10/24/23 09:16

#	Type	Sample ID	Y H	Y A	Y R
128	SAMPLE	494459-022	35288100	2131370	702460
129	BLANK	QC1102289	33400100	2023510	675497
130	LCS	QC1102290	32481600	1984190	667269
131	CCV		32093900	1963540	668492
132	CCB		34087600	2046590	673282
133	MSS	493975-003	31141500	1927930	649893
134	MS	QC1102291	30416500	1909410	652335
135	MSD	QC1102292	30526900	1920840	640571
136	SAMPLE	494095-001	34881100	2314480	721469
137	SAMPLE	494095-001	35859800	2207270	722678
138	SAMPLE	494460-005	34661500	2142390	690206
139	SAMPLE	494460-007	34228600	2139110	678869
140	BLANK	QC1102329	31156700	1933690	640401
141	BS	QC1102330	31098800	1933150	637312
142	BSD	QC1102331	31200400	1931110	648133
143	CCV		32698200	1999200	652667
144	CCB		33867900	2080110	662791
145	SAMPLE	494441-001	31431100	1939540	655851
146	SAMPLE	494441-002	31911000	1957750	652999
147	SAMPLE	494441-004	31955700	1978380	653199
148	SAMPLE	494441-005	32294600	1969270	650661
149	SAMPLE	494441-006	32180400	1962390	652329
150	SAMPLE	494441-007	32303300	1962570	648783
151	SAMPLE	494481-001	31891500	1978890	649316
152	SAMPLE	494481-003	32174200	1967820	659332
153	SAMPLE	494481-004	32358500	1982630	652761
154	BLANK	QC1102302	33821200	2061900	667045
155	CCV		32366300	1999680	653486
156	CCB		33909100	2061700	665291
157	LCS	QC1102303	32028200	1987190	650839
158	SAMPLE	494370-017	30813200	1948150	652778
159	SAMPLE	494370-018	30777300	1950110	641880
160	SAMPLE	494475-001	30304800	1917760	651248
161	SAMPLE	494475-002	30131600	1932710	654156
162	SAMPLE	494475-003	30175500	1913870	642905
163	SAMPLE	494475-004	30706200	1943900	640575
164	SAMPLE	494475-005	31015400	1952520	651154
165	SAMPLE	494475-006	30578100	1927120	650285
166	SAMPLE	494475-007	31060800	1951800	642817
167	CCV		31486900	1961390	632201
168	CCB		32974300	2018340	650230
169	SAMPLE	494475-008	30526600	1919650	631158
170	BLANK	QC1102420	33704300	2062410	660983
171	LCS	QC1102421	31712100	1975690	644387
172	MSS	494425-001	34472200	2103920	675021
173	MS	QC1102422	33216500	2027150	657456
174	MSD	QC1102423	33166200	2020700	662990
175	SAMPLE	494577-001	32932200	2024560	653807
176	BLANK	QC1102379	33454200	2034380	662881
177	LCS	QC1102380	32142200	2000390	648876
179	CCV		30328800	1910750	630947
180	CCB		32276800	1977400	636408
181	SAMPLE	494487-002	29425000	1883540	625601
182	MSS	494517-001	30023400	1887750	630997
183	MS	QC1102387	29318200	1864600	628883
184	MSD	QC1102388	29405600	1865180	631984
185	SAMPLE	494517-002	29703800	1895010	622649
186	SAMPLE	494538-001	30062100	1910840	647077

Enthalpy Internal Standard Summary for Sequence 483428236

Date:	10/24/23	Reference:	met06_master011
Sequence:	MET06 10/24/23	Analyzed:	10/24/23 09:16

#	Type	Sample ID	Y H	Y A	Y R
187	SAMPLE	494475-015	29249800	1853520	648288
188	SAMPLE	494475-016	28080500	1758410	617776
189	MSS	494477-001	28849600	1824890	637887
190	MS	QC1102304	28859400	1824650	637744
191	CCV		30595100	1891870	637557
192	CCB		32363700	1981680	642060
193	MSD	QC1102305	28447400	1804910	632821
194	PDS	QC1102306	29094300	1822490	632723
195	SAMPLE	494477-003	28235500	1806500	624742
196	SAMPLE	494477-004	29615100	1857670	635511
197	SAMPLE	494477-005	27820500	1736200	617984
198	SAMPLE	494477-006	30392400	1884290	635791
199	SAMPLE	494477-007	28650800	1811310	625506
200	SAMPLE	494477-008	29419800	1833040	619013
201	BLANK	QC1102416	32304300	1984720	650002
202	LCS	QC1102417	31352400	1933800	629234
203	CCV		30247300	1885710	617799
204	CCB		32202100	1947040	642459
205	MSS	494541-001	31528300	1946370	646841
206	MS	QC1102418	31137100	1913150	647600
207	MSD	QC1102419	30782900	1901130	644211
208	SAMPLE	494541-002	30738400	1911710	642513
209	SAMPLE	494541-003	30890000	1900350	636282
210	SAMPLE	494541-004	30877900	1897210	634982
211	SAMPLE	494541-006	30566200	1889000	642706
212	SAMPLE	494541-007	30756700	1905480	635598
213	SAMPLE	494541-008	30594700	1908970	641485
214	SAMPLE	494541-009	30917100	1912390	644549
215	CCV		29787100	1838860	621572
216	CCB		31602400	1924040	634462
217	CCV		30113400	1853480	615640
218	CCB		31340800	1903580	630415

ENTHALPY INITIAL CALIBRATION FOR 494459 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	483428236001	Date:	24-OCT-2023 09:16
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483428236002	L1	24-OCT-2023 09:20	S19164, S14463 (100X)
L2	met06_master011	483428236003	L2	24-OCT-2023 09:23	S19163, S14463 (100X)
L3	met06_master011	483428236004	L3	24-OCT-2023 09:26	S19162, S14463 (100X)
L4	met06_master011	483428236005	L4	24-OCT-2023 09:29	S19161, S14463 (100X)
L5	met06_master011	483428236006	L5	24-OCT-2023 09:33	S19156, S14463 (100X)
L6	met06_master011	483428236007	L6	24-OCT-2023 09:36	S19112, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00274	30.1522		0.0296	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	0.0137	0.0289	0.0344	0.0349	0.0328	0.0332

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	24	0.0100	14	0.1000	6	1.0000	6	5.0000	-1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET06		
Calnum:	483428236001	Cal Date:	24-OCT-2023

- ICV 483428236010 (24-OCT-2023) stds: S19239, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.068	mg/l	7	10	

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236012	File:	met06_master011	Time:	24-OCT-2023 09:52
Cal:	483428236001	Caldate:	24-OCT-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	33053400	-1.01
Yttrium	A	2031070	2000310	-1.51
Yttrium	R	719619	712478	-0.99

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236013	File:	met06_master011	Time:	24-OCT-2023 09:56
Cal:	483428236001	Caldate:	24-OCT-2023		

Standards: S19107, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01152]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.3	mg/l	91	
Aluminum	R	400.0	390.2	mg/l	98	
Calcium	R	400.0	403.6	mg/l	101	
Magnesium	R	400.0	413.9	mg/l	103	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	28990200	-13.18
Yttrium	A	2031070	1803050	-11.23
Yttrium	R	719619	673511	-6.41

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236014	File:	met06_master011	Time:	24-OCT-2023 09:59
Cal:	483428236001	Caldate:	24-OCT-2023		

Standards: S19108, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.026	mg/l	3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	29144700	-12.71
Yttrium	A	2031070	1788980	-11.92
Yttrium	R	719619	664749	-7.62

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236108	File:	met06_master011	Time:	24-OCT-2023 15:50
Cal:	483428236001	Caldate:	24-OCT-2023		

Standards: S19239, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0296	0.0358	1.000	1.083	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	32562300	-2.48
Yttrium	A	2031070	1983570	-2.34
Yttrium	R	719619	669277	-7.00

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236109	File:	met06_master011	Time:	24-OCT-2023 15:53
Cal:	483428236001	Caldate:	24-OCT-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	34558200	3.50
Yttrium	A	2031070	2071840	2.01
Yttrium	R	719619	688382	-4.34

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236119	File:	met06_master011	Time:	24-OCT-2023 16:27
Cal:	483428236001	Caldate:	24-OCT-2023		

Standards: S19239, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0296	0.0358	1.000	1.083	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	32832500	-1.67
Yttrium	A	2031070	2004890	-1.29
Yttrium	R	719619	670719	-6.80

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236120	File:	met06_master011	Time:	24-OCT-2023 16:30
Cal:	483428236001	Caldate:	24-OCT-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	34733300	4.02
Yttrium	A	2031070	2097590	3.28
Yttrium	R	719619	685927	-4.68

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236131	File:	met06_master011	Time:	24-OCT-2023 17:12
Cal:	483428236001	Caldate:	24-OCT-2023		

Standards: S19239, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0296	0.0359	1.000	1.086	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	32093900	-3.88
Yttrium	A	2031070	1963540	-3.32
Yttrium	R	719619	668492	-7.10

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236132	File:	met06_master011	Time:	24-OCT-2023 17:15
Cal:	483428236001	Caldate:	24-OCT-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	34087600	2.09
Yttrium	A	2031070	2046590	0.76
Yttrium	R	719619	673282	-6.44

Enthalpy Sequence Summary for Sequence 673428353

Instrument: MET09 Begun: 10/24/23 11:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				10/24/23 11:13	1.0		
002	icp data	ICAL	L1			10/24/23 11:16	1.0	1	
003	icp data	ICAL	L2			10/24/23 11:19	1.0	2	
004	icp data	ICAL	L3			10/24/23 11:22	1.0	3	
005	icp data	ICAL	L4			10/24/23 11:25	1.0	4	
006	icp data	ICAL	L5			10/24/23 11:28	1.0	5	
007	icp data	ICAL	L6			10/24/23 11:32	1.0	6	
008	icp data	ICAL	L7			10/24/23 11:35	1.0	7	
009	icp data	ICAL	L8			10/24/23 11:38	1.0	8	
010	icp data	ICV				10/24/23 11:41	1.0	9	
011	icp data	ICB				10/24/23 11:44	1.0		
012	icp data	CRI				10/24/23 11:47	1.0	10	
013	icp data	ICV				10/24/23 11:50	1.0	11	
014	icp data	ICB				10/24/23 11:53	1.0		
015	icp data	ICSA				10/24/23 11:57	1.0	12	5:MGASMGCO3=1400
016	icp data	ICSAB				10/24/23 12:00	1.0	13	5:MGASMGCO3=1400
017	icp data	BLANK	QC1101917	Filtrate	324964	10/24/23 12:03	1.0	14	
018	icp data	LCS	QC1101918	Filtrate	324964	10/24/23 12:06	1.0	14	
019	icp data	SAMPLE	494166-001	Filtrate	324964	10/24/23 12:09	1.0	14	1:MG=1500
020	icp data	SAMPLE	494166-002	Filtrate	324964	10/24/23 12:12	1.0	14	1:MG=1700
021	icp data	MSS	494166-003	Filtrate	324964	10/24/23 12:15	1.0	14	3:MGASMGCO3=3700
022	icp data	MS	QC1101919	Filtrate	324964	10/24/23 12:19	1.0	14	3:MGASMGCO3=3700
023	icp data	MSD	QC1101920	Filtrate	324964	10/24/23 12:22	1.0	14	3:MGASMGCO3=3600
024	icp data	CCV				10/24/23 12:25	1.0	11	
025	icp data	CCB				10/24/23 12:28	1.0		
026	icp data	CCV				10/24/23 12:31	1.0	9	
027	icp data	CCB				10/24/23 12:34	1.0		
028	icp data	SAMPLE	494460-005	Filtrate	325029	10/24/23 12:37	100.0	14	
029	icp data	SAMPLE	494460-007	Filtrate	325029	10/24/23 12:40	100.0	14	

Instrument: MET09 Begun: 10/24/23 11:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
030	icp data	BLANK	QC1102289	Water	325078	10/24/23 12:53	1.0	14	
031	icp data	LCS	QC1102290	Water	325078	10/24/23 12:57	1.0	14	
032	icp data	MSS	493975-003	Water	325078	10/24/23 13:00	1.0	14	
033	icp data	MS	QC1102291	Water	325078	10/24/23 13:03	1.0	14	1:CAASCACO3=270
034	icp data	MSD	QC1102292	Water	325078	10/24/23 13:06	1.0	14	1:CAASCACO3=270
035	icp data	SAMPLE	493975-004	Water	325078	10/24/23 13:09	1.0	14	
036	icp data	SAMPLE	493975-005	Water	325078	10/24/23 13:12	1.0	14	
037	icp data	SAMPLE	493975-006	Water	325078	10/24/23 13:15	1.0	14	
038	icp data	CCV				10/24/23 13:18	1.0	9	
039	icp data	CCB				10/24/23 13:21	1.0		
040	icp data	SAMPLE	494095-001	Water	325078	10/24/23 13:25	10.0	14	1:CU=82
041	icp data	BLANK	QC1102285	TCLP Leachate	325077	10/24/23 13:28	1.0	14	1:NA=1100
042	icp data	LCS	QC1102286	TCLP Leachate	325077	10/24/23 13:31	1.0	14	1:NA=1000
043	icp data	MSS	493732-001	TCLP Leachate	325077	10/24/23 13:34	1.0	14	1:NA=1200
044	icp data	MS	QC1102287	TCLP Leachate	325077	10/24/23 13:37	1.0	14	2:NA=1100
045	icp data	MSD	QC1102288	TCLP Leachate	325077	10/24/23 13:40	1.0	14	2:NA=1100
046	icp data	SAMPLE	493853-001	TCLP Leachate	325077	10/24/23 13:43	1.0	14	1:NA=1100
047	icp data	SAMPLE	494016-002	TCLP Leachate	325077	10/24/23 13:46	1.0	14	1:NA=1100
048	icp data	SAMPLE	494416-001	TCLP Leachate	325077	10/24/23 13:50	1.0	14	1:NA=1100
049	icp data	BLANK	QC1102274	Wipe	325072	10/24/23 13:53	1.0	14	
050	icp data	CCV				10/24/23 13:56	1.0	9	
051	icp data	CCB				10/24/23 13:59	1.0		
052	icp data	BS	QC1102275	Wipe	325072	10/24/23 14:02	1.0	14	
053	icp data	BSD	QC1102276	Wipe	325072	10/24/23 14:05	1.0	14	
054	icp data	SAMPLE	494421-001	Wipe	325072	10/24/23 14:08	1.0	14	
055	icp data	SAMPLE	494421-002	Wipe	325072	10/24/23 14:11	1.0	14	
056	icp data	SAMPLE	494421-003	Wipe	325072	10/24/23 14:15	1.0	14	1:ZN=57
057	icp data	SAMPLE	494421-004	Wipe	325072	10/24/23 14:18	1.0	14	
058	icp data	SAMPLE	494421-005	Wipe	325072	10/24/23 14:21	1.0	14	1:ZN=41

Instrument: MET09 Begun: 10/24/23 11:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
059	icp data	SAMPLE	494421-006	Wipe	325072	10/24/23 14:24	1.0	14	1:ZN=490
060	icp data	SAMPLE	494421-007	Wipe	325072	10/24/23 14:27	1.0	14	1:ZN=53
061	icp data	SAMPLE	494421-008	Wipe	325072	10/24/23 14:30	1.0	14	
062	icp data	CCV				10/24/23 14:33	1.0	9	
063	icp data	CCB				10/24/23 14:36	1.0		
064	icp data	SAMPLE	494421-009	Wipe	325072	10/24/23 14:40	1.0	14	
065	icp data	SAMPLE	494421-010	Wipe	325072	10/24/23 14:43	1.0	14	
066	icp data	SAMPLE	494421-011	Wipe	325072	10/24/23 14:46	1.0	14	
067	icp data	SAMPLE	494421-012	Wipe	325072	10/24/23 14:49	1.0	14	
068	icp data	SAMPLE	494421-013	Wipe	325072	10/24/23 14:52	1.0	14	
069	icp data	SAMPLE	494421-014	Wipe	325072	10/24/23 14:55	1.0	14	1:ZN=290
070	icp data	SAMPLE	494421-015	Wipe	325072	10/24/23 14:58	1.0	14	
071	icp data	SAMPLE	494421-016	Wipe	325072	10/24/23 15:01	1.0	14	1:ZN=290
072	icp data	SAMPLE	494421-017	Wipe	325072	10/24/23 15:04	1.0	14	1:ZN=62
073	icp data	SAMPLE	494421-018	Wipe	325072	10/24/23 15:08	1.0	14	
074	icp data	CCV				10/24/23 15:11	1.0	9	
075	icp data	CCB				10/24/23 15:14	1.0		
076	icp data	SAMPLE	494421-019	Wipe	325072	10/24/23 15:17	1.0	14	1:ZN=240
077	icp data	SAMPLE	494421-020	Wipe	325072	10/24/23 15:20	1.0	14	
078	icp data	BLANK	QC1102281	Wipe	325075	10/24/23 15:23	1.0	14	
079	icp data	BS	QC1102282	Wipe	325075	10/24/23 15:26	1.0	14	
080	icp data	BSD	QC1102283	Wipe	325075	10/24/23 15:29	1.0	14	
081	icp data	SAMPLE	494459-024	Wipe	325075	10/24/23 15:33	1.0	14	
082	icp data	SAMPLE	494459-025	Wipe	325075	10/24/23 15:36	1.0	14	
083	icp data	CCV				10/24/23 15:39	1.0	9	
084	icp data	CCB				10/24/23 15:42	1.0		
085	icp data	BLANK	QC1102278	Wipe	325074	10/24/23 15:45	1.0	14	
086	icp data	BS	QC1102279	Wipe	325074	10/24/23 15:48	1.0	14	
087	icp data	BSD	QC1102280	Wipe	325074	10/24/23 15:51	1.0	14	

Enthalpy Sequence Summary for Sequence 673428353

Instrument: MET09 Begun: 10/24/23 11:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
088	icp data	SAMPLE	494421-021	Wipe	325074	10/24/23 15:54	1.0	14	
089	icp data	CCV				10/24/23 15:58	1.0	9	
090	icp data	CCB				10/24/23 16:01	1.0		
091	icp data	SAMPLE	494459-012	Wipe	325074	10/24/23 16:04	1.0	14	
092	icp data	SAMPLE	494459-013	Wipe	325074	10/24/23 16:07	1.0	14	1:ZN=41
093	icp data	SAMPLE	494459-014	Wipe	325074	10/24/23 16:10	1.0	14	
094	icp data	SAMPLE	494459-016	Wipe	325074	10/24/23 16:13	1.0	14	
095	icp data	SAMPLE	494459-017	Wipe	325074	10/24/23 16:16	1.0	14	1:PB=11
096	icp data	SAMPLE	494459-018	Wipe	325074	10/24/23 16:19	1.0	14	1:PB=11
097	icp data	SAMPLE	494459-019	Wipe	325074	10/24/23 16:22	1.0	14	1:PB=12
098	icp data	SAMPLE	494459-020	Wipe	325074	10/24/23 16:26	1.0	14	1:ZN=60
099	icp data	SAMPLE	494459-021	Wipe	325074	10/24/23 16:29	1.0	14	1:PB=12
100	icp data	SAMPLE	494459-022	Wipe	325074	10/24/23 16:32	1.0	14	2:ZN=280
101	icp data	CCV				10/24/23 16:37	1.0	9	
102	icp data	CCB				10/24/23 16:40	1.0		

SBW 10/24/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 029.

SBW 10/25/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 030 through 102.

Standards Used:
1=S19164 2=S19163 3=S19162 4=S19161 5=S19156 6=S19112 7=S19241 8=S18727 9=S19239 10=S19135 11=S16826 12=S19107 13=S19108 14=S14463

Enthalpy Internal Standard Summary for Sequence 673428353

Date:	10/24/23	Reference:	icp data
Sequence:	MET09 10/24/23	Analyzed:	10/24/23 11:13

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	518823	125677
		LOWER LIMIT	155647	37703
		UPPER LIMIT	1037646	251355
011	ICB		514924	126738
014	ICB		514259	125556
015	ICSA		470181	117276
016	ICSAB		475489	118730
017	BLANK	QC1101917	524507	123899
018	LCS	QC1101918	515225	124959
019	SAMPLE	494166-001	438664	103660
020	SAMPLE	494166-002	426091	105912
021	MSS	494166-003	453636	111083
022	MS	QC1101919	452462	110024
023	MSD	QC1101920	450851	114953
024	CCV		498546	128150
025	CCB		499237	133117
026	CCV		482804	127578
027	CCB		496658	128317
028	SAMPLE	494460-005	502452	126850
029	SAMPLE	494460-007	502895	129170
030	BLANK	QC1102289	503858	134182
031	LCS	QC1102290	482917	125206
032	MSS	493975-003	473154	124726
033	MS	QC1102291	471978	127213
034	MSD	QC1102292	474346	125945
035	SAMPLE	493975-004	485046	128738
036	SAMPLE	493975-005	477067	127308
037	SAMPLE	493975-006	473753	127095
038	CCV		481566	124871
039	CCB		498318	128176
040	SAMPLE	494095-001	478500	119746
041	BLANK	QC1102285	477823	122445
042	LCS	QC1102286	481375	125609
043	MSS	493732-001	479066	121916
044	MS	QC1102287	471520	120436
045	MSD	QC1102288	465370	121625
046	SAMPLE	493853-001	484942	125884
047	SAMPLE	494016-002	475315	122149
048	SAMPLE	494416-001	455010	119886
049	BLANK	QC1102274	465630	129232
050	CCV		469293	120566
051	CCB		485201	123082
052	BS	QC1102275	462546	130394
053	BSD	QC1102276	466851	132034
054	SAMPLE	494421-001	464951	127612
055	SAMPLE	494421-002	465896	130370
056	SAMPLE	494421-003	463443	130010
057	SAMPLE	494421-004	462238	129210
058	SAMPLE	494421-005	462029	128354
059	SAMPLE	494421-006	452600	124500
060	SAMPLE	494421-007	462847	129071
061	SAMPLE	494421-008	463703	129709
062	CCV		470902	121073
063	CCB		486162	124676
064	SAMPLE	494421-009	462875	129175
065	SAMPLE	494421-010	465108	128687
066	SAMPLE	494421-011	463933	129537

Enthalpy Internal Standard Summary for Sequence 673428353

Date:	10/24/23	Reference:	icp data
Sequence:	MET09 10/24/23	Analyzed:	10/24/23 11:13

#	Type	Sample ID	Y A	Y R
067	SAMPLE	494421-012	461914	128450
068	SAMPLE	494421-013	467482	129942
069	SAMPLE	494421-014	459895	126374
070	SAMPLE	494421-015	464290	127816
071	SAMPLE	494421-016	463057	128356
072	SAMPLE	494421-017	461910	128151
073	SAMPLE	494421-018	458210	127506
074	CCV		473124	121492
075	CCB		486753	124833
076	SAMPLE	494421-019	455209	127267
077	SAMPLE	494421-020	463701	130782
078	BLANK	QC1102281	471404	131130
079	BS	QC1102282	467286	132527
080	BSD	QC1102283	469058	133087
081	SAMPLE	494459-024	469714	130928
082	SAMPLE	494459-025	468745	132121
083	CCV		477125	120995
084	CCB		481485	122533
085	BLANK	QC1102278	468943	130357
086	BS	QC1102279	461842	129692
087	BSD	QC1102280	458266	129127
088	SAMPLE	494421-021	459586	129393
089	CCV		467281	120428
090	CCB		480425	122507
091	SAMPLE	494459-012	449745	126189
092	SAMPLE	494459-013	450325	125821
093	SAMPLE	494459-014	455426	128349
094	SAMPLE	494459-016	449290	125203
095	SAMPLE	494459-017	455133	125740
096	SAMPLE	494459-018	454804	127176
097	SAMPLE	494459-019	448334	125084
098	SAMPLE	494459-020	452631	124430
099	SAMPLE	494459-021	449740	124756
100	SAMPLE	494459-022	452162	123869
101	CCV		481273	121500
102	CCB		475120	121955

ENTHALPY INITIAL CALIBRATION FOR 494459 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	673428353001	Date:	24-OCT-2023 11:13
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	673428353002	L1	24-OCT-2023 11:16	S19164
L2	icp data	673428353003	L2	24-OCT-2023 11:19	S19163
L3	icp data	673428353004	L3	24-OCT-2023 11:22	S19162
L4	icp data	673428353005	L4	24-OCT-2023 11:25	S19161
L5	icp data	673428353006	L5	24-OCT-2023 11:28	S19156
L6	icp data	673428353007	L6	24-OCT-2023 11:32	S19112

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00157	1.30E-4		6442.5	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	1242.3	6408.5	7773.6	7910.0	7622.2	7698.2

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-37	0.0100	-1	0.1000	3	1.0000	3	5.0000	-1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09		
Calnum:	673428353001	Cal Date:	24-OCT-2023

- ICV 673428353010 (24-OCT-2023) stds: S19239

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.026	mg/L	3	10	

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353014	File:	icp data	Time:	24-OCT-2023 11:53
Cal:	673428353002	Caldate:	24-OCT-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	518823	514259	-0.88
Yttrium	R	125677	125556	-0.10

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353015	File:	icp data	Time:	24-OCT-2023 11:57
Cal:	673428353002	Caldate:	24-OCT-2023		

Standards: S19107

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.006729	0.003333	mg/L	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	401.8	mg/L	100	
Aluminum as Al2O3	A	755.8	759.2	mg/L	100	
Iron as Fe2O3	A	228.8	215.3	mg/L	94	
Calcium	R	400.0	400.3	mg/L	100	
Calcium as CaCO3	R	998.9	999.6	mg/L	100	
Magnesium	R	400.0	410.5	mg/L	103	
Magnesium as MgCO3	R	1388	1424	mg/L	103	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	470181	-9.38
Yttrium	R	125677	117276	-6.68

+=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353016	File:	icp data	Time:	24-OCT-2023 12:00
Cal:	673428353002	Caldate:	24-OCT-2023		

Standards: S19108

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.029	mg/L	3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	475489	-8.35
Yttrium	R	125677	118730	-5.53

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353074	File:	icp data	Time:	24-OCT-2023 15:11
Cal:	673428353001	Caldate:	24-OCT-2023		

Standards: S19239

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	6442.5	8387.9	1.000	1.079	mg/L	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	473124	-8.81
Yttrium	R	125677	121492	-3.33

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353075	File:	icp data	Time:	24-OCT-2023 15:14
Cal:	673428353001	Caldate:	24-OCT-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	518823	486753	-6.18
Yttrium	R	125677	124833	-0.67

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353083	File:	icp data	Time:	24-OCT-2023 15:39
Cal:	673428353001	Caldate:	24-OCT-2023		

Standards: S19239

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	6442.5	8358.8	1.000	1.075	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	477125	-8.04
Yttrium	R	125677	120995	-3.73

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353084	File:	icp data	Time:	24-OCT-2023 15:42
Cal:	673428353001	Caldate:	24-OCT-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001836]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	481485	-7.20
Yttrium	R	125677	122533	-2.50

!=warning CCB=instrument blank

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353089	File:	icp data	Time:	24-OCT-2023 15:58
Cal:	673428353001	Caldate:	24-OCT-2023		

Standards: S19239

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	6442.5	8539.0	1.000	1.098	mg/L	10	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	467281	-9.93
Yttrium	R	125677	120428	-4.18

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353090	File:	icp data	Time:	24-OCT-2023 16:01
Cal:	673428353001	Caldate:	24-OCT-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	518823	480425	-7.40
Yttrium	R	125677	122507	-2.52

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353101	File:	icp data	Time:	24-OCT-2023 16:37
Cal:	673428353001	Caldate:	24-OCT-2023		

Standards: S19239

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	6442.5	8347.4	1.000	1.073	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	481273	-7.24
Yttrium	R	125677	121500	-3.32

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353102	File:	icp data	Time:	24-OCT-2023 16:40
Cal:	673428353001	Caldate:	24-OCT-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	518823	475120	-8.42
Yttrium	R	125677	121955	-2.96

SAMPLE PREPARATION SUMMARY

Batch #:	325074	Method:	3050B	Analysis:	ICP
Started By:	SBW	Prep Date:	24-OCT-2023 13:30	Finished By:	TNN

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18799	Spike S18800	Analysis
494421-021	Wipe	1 ft2	50 mL	50.0				6010
494459-001	Wipe	1 ft2	50 mL	50.0				6010
494459-002	Wipe	1 ft2	50 mL	50.0				6010
494459-004	Wipe	1 ft2	50 mL	50.0				6010
494459-005	Wipe	1 ft2	50 mL	50.0				6010
494459-006	Wipe	1 ft2	50 mL	50.0				6010
494459-007	Wipe	1 ft2	50 mL	50.0				6010
494459-008	Wipe	1 ft2	50 mL	50.0				6010
494459-009	Wipe	1 ft2	50 mL	50.0				6010
494459-010	Wipe	1 ft2	50 mL	50.0				6010
494459-012	Wipe	1 ft2	50 mL	50.0				6010
494459-013	Wipe	1 ft2	50 mL	50.0				6010
494459-014	Wipe	1 ft2	50 mL	50.0				6010
494459-016	Wipe	1 ft2	50 mL	50.0				6010
494459-017	Wipe	1 ft2	50 mL	50.0				6010
494459-018	Wipe	1 ft2	50 mL	50.0				6010
494459-019	Wipe	1 ft2	50 mL	50.0				6010
494459-020	Wipe	1 ft2	50 mL	50.0				6010
494459-021	Wipe	1 ft2	50 mL	50.0				6010
494459-022	Wipe	1 ft2	50 mL	50.0				6010
QC1102278 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1102279 BS	Wipe	1 ft2	50 mL	50.0		1 mL	1 mL	ICP
QC1102280 BSD	Wipe	1 ft2	50 mL	50.0		1 mL	1 mL	ICP

Analyst: SBW 10/24/23

Reviewer: MCP 10/24/23

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

Initials: KLW Prep Method: (3050B) / 1420.2 / Other: _____ QC Batch #: 325074 Therm ID/Corr Factor: 94650 / 0

Prep Start, Date/Time: 10/24/23 13:30 Prep End, Date/Time: 10/24/23 15:35 HotBlock Temp (Obs/Cor), °C: 90 / 90

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	~~100~~ 50	TM 10/24/23	
LCS	-----	-----	-----					
494421-021	A	NA	Whole wipe					Initial weight in log in
459-1								
-2								
-4								
-5								
-6								
-7								
-8								
-9								
-10								
-12								
-13								
-14								
-15								
-17								
-18								
-19								
-20								
-21								
-22								
LCSD				TMM				
				10/24/23				
				X				

Hydrochloric Acid ID: 10ml 24002692

Nitric Acid ID: 10ml 20230524B1

H_2O_2 ID: 3ml 227111

LCS Spike ID: 1ml 518800 / 518799

MS/MSD Spike ID: ↓

Gold Std ID: _____

SAMPLE PREPARATION SUMMARY

Batch #:	325075	Method:	3050B	Analysis:	ICP
Started By:	SBW	Prep Date:	24-OCT-2023 12:05	Finished By:	TNN

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18799	Spike S18800	Analysis
494459-024	Wipe	1 ft2	50 mL	50.0				6010
494459-025	Wipe	1 ft2	50 mL	50.0				6010
QC1102281 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1102282 BS	Wipe	1 ft2	50 mL	50.0		1 mL	1 mL	ICP
QC1102283 BSD	Wipe	1 ft2	50 mL	50.0		1 mL	1 mL	ICP

Analyst: SBW 10/24/23

Reviewer: SLL 10/24/23

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

Initials: KLW Prep Method: (3050B) / 1420.2 / Other: _____ QC Batch #: 325075 Therm ID/Corr Factor: 942650 / 0

Prep Start, Date/Time: 10/24/23 12:05 KLW Prep End, Date/Time: 10/24/23 14:05 HotBlock Temp (Obs/Cor), °C: 89 / 89

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	~~100~~ 50	TM 10/24/23	Initial weight in log in
LCS	-----	-----	-----					
LCSD		NA	white wipe					
409459-24	A	↓	↓	↕	↓	↓		
-25	↓	↓	↓	↕	↓	↓		

Hydrochloric Acid ID: 10 mL 24002592

Nitric Acid ID: 10 mL 20230523481

H_2O_2 ID: 3 mL 227111

LCS Spike ID: 1 mL 818799 / 818800

MS/MSD Spike ID: ↓

Gold Std ID: _____

ICP Raw Data

Enthalpy Sequence Summary for Sequence 483428236

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			10/24/23 09:16	1.0	1	
002	met06_master011	ICAL	L1			10/24/23 09:20	1.0	2 1	
003	met06_master011	ICAL	L2			10/24/23 09:23	1.0	3 1	
004	met06_master011	ICAL	L3			10/24/23 09:26	1.0	4 1	
005	met06_master011	ICAL	L4			10/24/23 09:29	1.0	5 1	
006	met06_master011	ICAL	L5			10/24/23 09:33	1.0	6 1	
007	met06_master011	ICAL	L6			10/24/23 09:36	1.0	7 1	
008	met06_master011	ICAL	L7			10/24/23 09:39	1.0	8 1	
009	met06_master011	ICAL	L8			10/24/23 09:42	1.0	9 1	
010	met06_master011	ICV				10/24/23 09:46	1.0	10 1	
011	met06_master011	CRI				10/24/23 09:49	1.0	11 1	
012	met06_master011	ICB				10/24/23 09:52	1.0	1	
013	met06_master011	ICSA				10/24/23 09:56	1.0	12 1	6:MGASMGCO3=1400
014	met06_master011	ICSAB				10/24/23 09:59	1.0	13 1	6:MGASMGCO3=1400
015	met06_master011	BLANK	QC1100361	Water	324479	10/24/23 10:03	1.0	1	
016	met06_master011	BLANK	QC1102252	Drinking Water	325063	10/24/23 10:06	1.0	1	
017	met06_master011	LCS	QC1102253	Drinking Water	325063	10/24/23 10:09	1.0	1	
018	met06_master011	SAMPLE	494312-001	Drinking Water	325063	10/24/23 10:13	1.0	1	
019	met06_master011	SAMPLE	494487-001	Drinking Water	325063	10/24/23 10:16	1.0	1	
020	met06_master011	MSS	494489-001	Drinking Water	325063	10/24/23 10:19	1.0	1	
021	met06_master011	MS	QC1102254	Drinking Water	325063	10/24/23 10:22	1.0	1	
022	met06_master011	MSD	QC1102255	Drinking Water	325063	10/24/23 10:26	1.0	1	
023	met06_master011	XCCV				10/24/23 10:29	1.0	10 1	
024	met06_master011	CCV				10/24/23 10:35	1.0	10 1	
025	met06_master011	CCB				10/24/23 10:38	1.0	1	
026	met06_master011	BLANK	QC1102162	Soil	325041	10/24/23 11:20	1.0	1	
027	met06_master011	LCS	QC1102163	Soil	325041	10/24/23 11:23	1.0	1	
028	met06_master011	MSS	494412-001	Soil	325041	10/24/23 11:26	1.0	1	4:FEASFE2O3=200
029	met06_master011	MS	QC1102164	Soil	325041	10/24/23 11:29	1.0	1	5:ALASAL2O3=230

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
030	met06_master011	MSD	QC1102165	Soil	325041	10/24/23 11:33	1.0	1	5:ALASAL2O3=220
031	met06_master011	PDS	QC1102166	Soil	325041	10/24/23 11:36	1.0	1	4:FEASFE2O3=200
032	met06_master011	SAMPLE	494412-002	Soil	325041	10/24/23 11:39	1.0	1	2:FE=160
033	met06_master011	SAMPLE	494293-021	Soil	325041	10/24/23 11:42	1.0	1	2:FE=120
034	met06_master011	SAMPLE	494293-022	Soil	325041	10/24/23 11:46	1.0	1	2:FE=110
035	met06_master011	SAMPLE	494293-023	Soil	325041	10/24/23 11:49	1.0	1	3:FE=180
036	met06_master011	CCV				10/24/23 11:52	1.0	10 1	
037	met06_master011	CCB				10/24/23 11:55	1.0	1	
038	met06_master011	SAMPLE	494293-024	Soil	325041	10/24/23 11:59	1.0	1	2:FE=150
039	met06_master011	SAMPLE	494376-001	Soil	325041	10/24/23 12:02	1.0	1	3:FE=180
040	met06_master011	SAMPLE	494376-002	Soil	325041	10/24/23 12:05	1.0	1	2:FE=140
041	met06_master011	SAMPLE	494376-003	Soil	325041	10/24/23 12:08	1.0	1	2:FE=110
042	met06_master011	SAMPLE	494376-004	Soil	325041	10/24/23 12:12	1.0	1	3:FE=160
043	met06_master011	SAMPLE	494376-005	Soil	325041	10/24/23 12:15	1.0	1	3:FE=220
044	met06_master011	SAMPLE	494376-006	Soil	325041	10/24/23 12:18	1.0	1	3:FE=180
045	met06_master011	SAMPLE	494376-007	Soil	325041	10/24/23 12:21	1.0	1	3:AL=210
046	met06_master011	SAMPLE	494376-008	Soil	325041	10/24/23 12:25	1.0	1	3:FE=130
047	met06_master011	SAMPLE	494449-003	Soil	325041	10/24/23 12:28	1.0	1	3:FE=180
048	met06_master011	CCV				10/24/23 12:31	1.0	10 1	
049	met06_master011	CCB				10/24/23 12:34	1.0	1	
050	met06_master011	SAMPLE	494469-001	Soil	325041	10/24/23 12:38	1.0	1	3:FE=240
051	met06_master011	SAMPLE	494470-001	Soil	325041	10/24/23 12:41	1.0	1	3:FE=160
052	met06_master011	SAMPLE	494470-002	Soil	325041	10/24/23 12:44	1.0	1	3:FE=180
053	met06_master011	SAMPLE	494470-003	Soil	325041	10/24/23 12:47	1.0	1	3:FE=150
054	met06_master011	SAMPLE	494470-004	Soil	325041	10/24/23 12:51	1.0	1	3:FE=190
055	met06_master011	CCV				10/24/23 12:54	1.0	10 1	
056	met06_master011	CCB				10/24/23 12:57	1.0	1	
057	met06_master011	BLANK	QC1102167	Soil	325042	10/24/23 13:00	1.0	1	
058	met06_master011	LCS	QC1102168	Soil	325042	10/24/23 13:04	1.0	1	

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
059	met06_master011	MSS	494325-002	Soil	325042	10/24/23 13:07	1.0	1	4:FEASFE2O3=190
060	met06_master011	MS	QC1102169	Soil	325042	10/24/23 13:10	1.0	1	4:ALASAL2O3=210
061	met06_master011	MSD	QC1102170	Soil	325042	10/24/23 13:13	1.0	1	4:ALASAL2O3=200
062	met06_master011	PDS	QC1102171	Soil	325042	10/24/23 13:17	1.0	1	4:FEASFE2O3=180
063	met06_master011	SAMPLE	494325-003	Soil	325042	10/24/23 13:20	1.0	1	2:FE=130
064	met06_master011	SAMPLE	494325-004	Soil	325042	10/24/23 13:23	1.0	1	2:FE=100
065	met06_master011	SAMPLE	494325-005	Soil	325042	10/24/23 13:26	1.0	1	2:FE=110
066	met06_master011	SAMPLE	494325-006	Soil	325042	10/24/23 13:30	1.0	1	2:FE=100
067	met06_master011	CCV				10/24/23 13:33	1.0	10 1	
068	met06_master011	CCB				10/24/23 13:36	1.0	1	
069	met06_master011	SAMPLE	494325-007	Soil	325042	10/24/23 13:39	1.0	1	2:FE=140
070	met06_master011	SAMPLE	494325-008	Soil	325042	10/24/23 13:43	1.0	1	2:FE=120
071	met06_master011	SAMPLE	494325-009	Soil	325042	10/24/23 13:46	1.0	1	2:FE=110
072	met06_master011	SAMPLE	494325-010	Soil	325042	10/24/23 13:49	1.0	1	2:FE=100
073	met06_master011	SAMPLE	494325-011	Soil	325042	10/24/23 13:52	1.0	1	2:FE=100
074	met06_master011	SAMPLE	494325-012	Soil	325042	10/24/23 13:56	1.0	1	2:FE=130
075	met06_master011	SAMPLE	494325-013	Soil	325042	10/24/23 13:59	1.0	1	3:FE=220
076	met06_master011	SAMPLE	494325-014	Soil	325042	10/24/23 14:02	1.0	1	2:FE=150
077	met06_master011	SAMPLE	494325-015	Soil	325042	10/24/23 14:05	1.0	1	2:FE=130
078	met06_master011	SAMPLE	494325-016	Soil	325042	10/24/23 14:09	1.0	1	3:FE=200
079	met06_master011	CCV				10/24/23 14:12	1.0	10 1	
080	met06_master011	CCB				10/24/23 14:15	1.0	1	
081	met06_master011	SAMPLE	494325-017	Soil	325042	10/24/23 14:18	1.0	1	2:FE=130
082	met06_master011	BLANK	QC1102261	Soil	325069	10/24/23 14:22	1.0	1	
083	met06_master011	LCS	QC1102262	Soil	325069	10/24/23 14:26	1.0	1	
084	met06_master011	MSS	494370-001	Miscell.	325069	10/24/23 14:29	1.0	1	5:FEASFE2O3=290
085	met06_master011	MS	QC1102263	Miscell.	325069	10/24/23 14:32	1.0	1	5:ALASAL2O3=310
086	met06_master011	MSD	QC1102264	Miscell.	325069	10/24/23 14:35	1.0	1	5:ALASAL2O3=300
087	met06_master011	PDS	QC1102265	Miscell.	325069	10/24/23 14:39	1.0	1	5:FEASFE2O3=280

Enthalpy Sequence Summary for Sequence 483428236

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
088	met06_master011	SAMPLE	494439-001	Soil	325069	10/24/23 14:42	1.0	1	2:FE=200
089	met06_master011	XBLANK	QC1102278	Wipe	325074	10/24/23 14:45	1.0	1	
090	met06_master011	CCV				10/24/23 14:49	1.0	10 1	
091	met06_master011	CCB				10/24/23 14:53	1.0	1	
092	met06_master011	SAMPLE	494325-018	Soil	325042	10/24/23 14:57	1.0	1	2:FE=150
093	met06_master011	SAMPLE	494325-019	Soil	325042	10/24/23 15:00	1.0	1	2:FE=160
094	met06_master011	SAMPLE	494325-020	Soil	325042	10/24/23 15:03	1.0	1	2:FE=110
095	met06_master011	SAMPLE	494460-005	Filtrate	325029	10/24/23 15:07	100.0	1	1:MN=10
096	met06_master011	SAMPLE	494460-007	Filtrate	325029	10/24/23 15:10	100.0	1	1:MN=9.9
097	met06_master011	SAMPLE	494370-002	Miscell.	325069	10/24/23 15:13	1.0	1	3:FE=180
098	met06_master011	SAMPLE	494370-003	Miscell.	325069	10/24/23 15:16	1.0	1	3:FE=200
099	met06_master011	SAMPLE	494370-016	Soil	325069	10/24/23 15:20	1.0	1	3:FE=180
100	met06_master011	SAMPLE	494451-001	Miscell.	325069	10/24/23 15:23	1.0	1	2:FE=110
101	met06_master011	SAMPLE	494452-001	Miscell.	325069	10/24/23 15:26	1.0	1	
102	met06_master011	CCV				10/24/23 15:29	1.0	10 1	
103	met06_master011	CCB				10/24/23 15:33	1.0	1	
104	met06_master011	SAMPLE	494480-001	Soil	325069	10/24/23 15:36	1.0	1	3:FE=220
105	met06_master011	SAMPLE	494480-003	Soil	325069	10/24/23 15:39	1.0	1	3:FE=220
106	met06_master011	SAMPLE	494480-005	Soil	325069	10/24/23 15:42	1.0	1	3:FE=200
107	met06_master011	SAMPLE	494480-007	Soil	325069	10/24/23 15:46	1.0	1	3:FE=210
108	met06_master011	CCV				10/24/23 15:50	1.0	10 1	
109	met06_master011	CCB				10/24/23 15:53	1.0	1	
110	met06_master011	SAMPLE	494459-001	Wipe	325074	10/24/23 15:56	1.0	1	1:FE=73
111	met06_master011	SAMPLE	494459-002	Wipe	325074	10/24/23 16:00	1.0	1	2:FE=86
112	met06_master011	SAMPLE	494459-004	Wipe	325074	10/24/23 16:03	1.0	1	3:FE=130
113	met06_master011	SAMPLE	494459-005	Wipe	325074	10/24/23 16:06	1.0	1	2:FE=120
114	met06_master011	SAMPLE	494459-006	Wipe	325074	10/24/23 16:09	1.0	1	1:FE=130
115	met06_master011	SAMPLE	494459-007	Wipe	325074	10/24/23 16:13	1.0	1	1:FE=100
116	met06_master011	SAMPLE	494459-008	Wipe	325074	10/24/23 16:16	1.0	1	1:FE=120

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
117	met06_master011	SAMPLE	494459-009	Wipe	325074	10/24/23 16:20	1.0	1	1:FE=120
118	met06_master011	SAMPLE	494459-010	Wipe	325074	10/24/23 16:23	1.0	1	2:ZN=230
119	met06_master011	CCV				10/24/23 16:27	1.0	10 1	
120	met06_master011	CCB				10/24/23 16:30	1.0	1	
121	met06_master011	BS	QC1102279	Wipe	325074	10/24/23 16:35	1.0	1	
122	met06_master011	BSD	QC1102280	Wipe	325074	10/24/23 16:39	1.0	1	
123	met06_master011	SAMPLE	494459-004	Wipe	325074	10/24/23 16:42	10.0	1	
124	met06_master011	SAMPLE	494459-017	Wipe	325074	10/24/23 16:45	10.0	1	
125	met06_master011	SAMPLE	494459-018	Wipe	325074	10/24/23 16:48	10.0	1	
126	met06_master011	SAMPLE	494459-019	Wipe	325074	10/24/23 16:52	10.0	1	
127	met06_master011	SAMPLE	494459-021	Wipe	325074	10/24/23 16:59	10.0	1	
128	met06_master011	SAMPLE	494459-022	Wipe	325074	10/24/23 17:02	10.0	1	1:ZN=47
129	met06_master011	BLANK	QC1102289	Water	325078	10/24/23 17:06	1.0	1	
130	met06_master011	LCS	QC1102290	Water	325078	10/24/23 17:09	1.0	1	
131	met06_master011	CCV				10/24/23 17:12	1.0	10 1	
132	met06_master011	CCB				10/24/23 17:15	1.0	1	
133	met06_master011	MSS	493975-003	Water	325078	10/24/23 17:19	1.0	1	
134	met06_master011	MS	QC1102291	Water	325078	10/24/23 17:22	1.0	1	1:CAASCACO3=270
135	met06_master011	MSD	QC1102292	Water	325078	10/24/23 17:25	1.0	1	1:CAASCACO3=270
136	met06_master011	SAMPLE	494095-001	Water	325078	10/24/23 17:28	10.0	1	1:CU=73
137	met06_master011	SAMPLE	494095-001	Water	325078	10/24/23 17:31	100.0	1	
138	met06_master011	SAMPLE	494460-005	Filtrate	325029	10/24/23 17:35	500.0	1	
139	met06_master011	SAMPLE	494460-007	Filtrate	325029	10/24/23 17:38	500.0	1	
140	met06_master011	BLANK	QC1102329	Air	325092	10/24/23 17:41	1.0	1	
141	met06_master011	BS	QC1102330	Air	325092	10/24/23 17:44	1.0	1	
142	met06_master011	BSD	QC1102331	Air	325092	10/24/23 17:48	1.0	1	
143	met06_master011	CCV				10/24/23 17:51	1.0	10 1	
144	met06_master011	CCB				10/24/23 17:54	1.0	1	
145	met06_master011	SAMPLE	494441-001	Air	325092	10/24/23 17:57	1.0	1	

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
146	met06_master011	SAMPLE	494441-002	Air	325092	10/24/23 18:01	1.0	1	
147	met06_master011	SAMPLE	494441-004	Air	325092	10/24/23 18:04	1.0	1	
148	met06_master011	SAMPLE	494441-005	Air	325092	10/24/23 18:07	1.0	1	
149	met06_master011	SAMPLE	494441-006	Air	325092	10/24/23 18:10	1.0	1	
150	met06_master011	SAMPLE	494441-007	Air	325092	10/24/23 18:14	1.0	1	
151	met06_master011	SAMPLE	494481-001	Air	325092	10/24/23 18:17	1.0	1	
152	met06_master011	SAMPLE	494481-003	Air	325092	10/24/23 18:20	1.0	1	
153	met06_master011	SAMPLE	494481-004	Air	325092	10/24/23 18:23	1.0	1	
154	met06_master011	BLANK	QC1102302	Soil	325083	10/24/23 18:26	1.0	1	
155	met06_master011	CCV				10/24/23 18:32	1.0	10 1	
156	met06_master011	CCB				10/24/23 18:35	1.0	1	
157	met06_master011	LCS	QC1102303	Soil	325083	10/24/23 18:38	1.0	1	
158	met06_master011	SAMPLE	494370-017	Soil	325083	10/24/23 18:42	1.0	1	3:FE=180
159	met06_master011	SAMPLE	494370-018	Soil	325083	10/24/23 18:45	1.0	1	3:FE=170
160	met06_master011	SAMPLE	494475-001	Soil	325083	10/24/23 18:48	1.0	1	2:AL=220
161	met06_master011	SAMPLE	494475-002	Soil	325083	10/24/23 18:51	1.0	1	2:FE=230
162	met06_master011	SAMPLE	494475-003	Soil	325083	10/24/23 18:55	1.0	1	2:FE=210
163	met06_master011	SAMPLE	494475-004	Soil	325083	10/24/23 18:58	1.0	1	2:FE=220
164	met06_master011	SAMPLE	494475-005	Soil	325083	10/24/23 19:01	1.0	1	2:FE=200
165	met06_master011	SAMPLE	494475-006	Soil	325083	10/24/23 19:04	1.0	1	2:FE=180
166	met06_master011	SAMPLE	494475-007	Soil	325083	10/24/23 19:07	1.0	1	2:FE=160
167	met06_master011	CCV				10/24/23 19:11	1.0	10 1	
168	met06_master011	CCB				10/24/23 19:14	1.0	1	
169	met06_master011	SAMPLE	494475-008	Soil	325083	10/24/23 19:17	1.0	1	2:FE=150
170	met06_master011	BLANK	QC1102420	Drinking Water	325134	10/24/23 19:26	1.0	1	
171	met06_master011	LCS	QC1102421	Drinking Water	325134	10/24/23 19:29	1.0	1	
172	met06_master011	MSS	494425-001	Drinking Water	325134	10/24/23 19:32	1.0	1	
173	met06_master011	MS	QC1102422	Drinking Water	325134	10/24/23 19:35	1.0	1	
174	met06_master011	MSD	QC1102423	Drinking Water	325134	10/24/23 19:39	1.0	1	

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
175	met06_master011	SAMPLE	494577-001	Drinking Water	325134	10/24/23 19:42	1.0	1	
176	met06_master011	BLANK	QC1102379	Sea Water	325110	10/24/23 19:45	1.0	1	
177	met06_master011	LCS	QC1102380	Sea Water	325110	10/24/23 19:48	1.0	1	
178	met06_master011	SAMPLE	494221-007	Filtrate	325110	10/24/23 19:52	1.0	1	
179	met06_master011	CCV				10/24/23 19:55	1.0	10 1	
180	met06_master011	CCB				10/24/23 19:58	1.0	1	
181	met06_master011	SAMPLE	494487-002	Sea Water	325110	10/24/23 20:01	1.0	1	2:MG=1200
182	met06_master011	MSS	494517-001	Water	325110	10/24/23 20:05	1.0	1	
183	met06_master011	MS	QC1102387	Water	325110	10/24/23 20:08	1.0	1	
184	met06_master011	MSD	QC1102388	Water	325110	10/24/23 20:11	1.0	1	
185	met06_master011	SAMPLE	494517-002	Water	325110	10/24/23 20:15	1.0	1	
186	met06_master011	SAMPLE	494538-001	Water	325110	10/24/23 20:18	1.0	1	
187	met06_master011	SAMPLE	494475-015	Soil	325083	10/24/23 20:21	1.0	1	3:AL=230
188	met06_master011	SAMPLE	494475-016	Soil	325083	10/24/23 20:24	1.0	1	2:FE=270
189	met06_master011	MSS	494477-001	Soil	325083	10/24/23 20:27	1.0	1	6:CAASCACO3=1100
190	met06_master011	MS	QC1102304	Soil	325083	10/24/23 20:31	1.0	1	6:CAASCACO3=1200
191	met06_master011	CCV				10/24/23 20:34	1.0	10 1	
192	met06_master011	CCB				10/24/23 20:37	1.0	1	
193	met06_master011	MSD	QC1102305	Soil	325083	10/24/23 20:40	1.0	1	6:CAASCACO3=1300
194	met06_master011	PDS	QC1102306	Soil	325083	10/24/23 20:44	1.0	1	6:CAASCACO3=1100
195	met06_master011	SAMPLE	494477-003	Soil	325083	10/24/23 20:47	1.0	1	3:AL=220
196	met06_master011	SAMPLE	494477-004	Soil	325083	10/24/23 20:50	1.0	1	2:FE=170
197	met06_master011	SAMPLE	494477-005	Soil	325083	10/24/23 20:53	1.0	1	2:AL=440
198	met06_master011	SAMPLE	494477-006	Soil	325083	10/24/23 20:57	1.0	1	2:FE=150
199	met06_master011	SAMPLE	494477-007	Soil	325083	10/24/23 21:00	1.0	1	2:AL=220
200	met06_master011	SAMPLE	494477-008	Soil	325083	10/24/23 21:03	1.0	1	2:FE=170
201	met06_master011	BLANK	QC1102416	Filtrate	325127	10/24/23 21:06	1.0	1	
202	met06_master011	LCS	QC1102417	Filtrate	325127	10/24/23 21:10	1.0	1	
203	met06_master011	CCV				10/24/23 21:13	1.0	10 1	

Instrument: MET06 Begun: 10/24/23 09:16
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
204	met06_master011	CCB				10/24/23 21:16	1.0	1	
205	met06_master011	MSS	494541-001	Filtrate	325127	10/24/23 21:19	1.0	1	
206	met06_master011	MS	QC1102418	Filtrate	325127	10/24/23 21:22	1.0	1	
207	met06_master011	MSD	QC1102419	Filtrate	325127	10/24/23 21:26	1.0	1	
208	met06_master011	SAMPLE	494541-002	Filtrate	325127	10/24/23 21:29	1.0	1	
209	met06_master011	SAMPLE	494541-003	Filtrate	325127	10/24/23 21:32	5.0	1	1:MN=90
210	met06_master011	SAMPLE	494541-004	Filtrate	325127	10/24/23 21:35	1.0	1	
211	met06_master011	SAMPLE	494541-006	Filtrate	325127	10/24/23 21:39	1.0	1	
212	met06_master011	SAMPLE	494541-007	Filtrate	325127	10/24/23 21:42	1.0	1	
213	met06_master011	SAMPLE	494541-008	Filtrate	325127	10/24/23 21:45	1.0	1	
214	met06_master011	SAMPLE	494541-009	Filtrate	325127	10/24/23 21:48	1.0	1	
215	met06_master011	CCV				10/24/23 21:52	1.0	10 1	
216	met06_master011	CCB				10/24/23 21:55	1.0	1	
217	met06_master011	CCV				10/24/23 21:58	1.0	10 1	
218	met06_master011	CCB				10/24/23 22:01	1.0	1	

SBW 10/24/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 025.

SBW 10/25/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 026 through 218.

Standards Used:
1=S14463 2=S19164 3=S19163 4=S19162 5=S19161 6=S19156 7=S19112 8=S19241 9=S18727 10=S19239 11=S19135 12=S19107 13=S19108

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-001	Client ID:	AFRAME-C9E-MED-L3-DN-C9.2-DG-231023-L-LA
Seqnum:	483428236110.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 15:56
Cal:	483428236001	Caldate:	24-OCT-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	3.682	180	0.50	0.17	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	1967310	-3.14

!=warning -=low bias <=opening a=ICSA u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-001,325074 | Sample Type: Unknown Sample

Measure Date: 2023-10-24 15:56:59 | Recalculation Date: | State: Measured | Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72372.8000000	39199.4000000	7626.61000000	17230.5000000	39447.0000000	239657	16636.4000000
Int RSD	*0.21222338*	*1.63061424*	*0.14644908*	*0.46334581*	*0.58189723*	*1.88743079*	*0.47580727*
Int SD	*153.59200000*	*639.19100000*	*11.16910000*	*79.83680000*	*229.54100000*	*4523.36000000*	*79.15720000*
RelInt Mean	0.00001246	0.03671120	0.00020806	0.00251583	0.01394490	0.35066000	0.00269183
RelInt RSD	*51.99823392*	*1.03469513*	*15.82324414*	*1.56317001*	*0.98768008*	*0.35038214*	*1.30431714*
RelInt SD	*0.00000648*	*0.00037985*	*0.00003292*	*0.00003933*	*0.00013773*	*0.00122865*	*0.00003511*
Conc Mean	<-0.00093339[mg/l]	3.54880000[mg/l]	0.01823160[mg/l]	0.01906550[mg/l]	0.04336500[mg/l]	13.50120000[mg/l]	0.01440840[mg/l]
Conc RSD	*28.85601455*	*1.04847554*	*11.32774962*	*2.78989274*	*0.99470541*	*0.35374189*	*1.29769440*
Conc SD	*0.00026934[mg/l]*	*0.03720830[mg/l]*	*0.00206523[mg/l]*	*0.00053191[mg/l]*	*0.00043135[mg/l]*	*0.04775940[mg/l]*	*0.00018698[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	24848.6000000	455724	41913700	12502.0000000	28666.5000000	1415700	8645.13000000
Int RSD	*0.28629661*	*2.51880524*	*0.35564744*	*2.43011518*	*2.41006750*	*1.53797415*	*0.87436395*
Int SD	*71.14070000*	*11478.8000000*	*149065*	*303.81300000*	*690.88200000*	*21773.1000000*	*75.58990000*
RelInt Mean	0.00670669	0.01201030	21.45480000	0.00832766	0.01923360	0.71727100	0.00026128
RelInt RSD	*0.55906118*	*3.62151653*	*0.46480554*	*1.50427611*	*2.01269653*	*1.52218618*	*17.65783592*
RelInt SD	*0.00003749*	*0.00043496*	*0.09972310*	*0.00012527*	*0.00038711*	*0.01091820*	*0.00004614*
Conc Mean	0.04337730[mg/l]	0.40870200[mg/l]	72.86800000[mg/l]	1.92746000[mg/l]	5.38083000[mg/l]	0.48759400[mg/l]	0.00152169[mg/l]
Conc RSD	*0.55907122*	*3.65388474*	*0.46476094*	*2.31012836*	*2.04221282*	*1.52464140*	*23.67630726*
Conc SD	*0.00024251[mg/l]*	*0.01493350[mg/l]*	*0.33866200[mg/l]*	*0.04452680[mg/l]*	*0.10988800[mg/l]*	*0.00743406[mg/l]*	*0.00036028[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	93401.6000000	48828.6000000	250636	9272.53000000	7220.22000000	15038.4000000	30774.5000000
Int RSD	*1.12987358*	*0.46108223*	*0.21801258*	*0.26923612*	*0.88903108*	*0.67802426*	*1.88230840*
Int SD	*1055.32000000*	*225.14000000*	*546.41800000*	*24.96500000*	*64.19000000*	*101.96400000*	*579.27100000*
RelInt Mean	0.10231100	0.01868260	0.12212100	0.00027454	0.00000581	0.00345073	0.02599740
RelInt RSD	*3.70873122*	*0.91227131*	*0.36631128*	*17.57790332*	*382.20074582*	*2.01058327*	*1.48479079*
RelInt SD	*0.00379444*	*0.00017044*	*0.00044734*	*0.00004826*	*0.00002221*	*0.00006938*	*0.00038601*
Conc Mean	6.04487000[mg/l]	0.14868600[mg/l]	3.68188000[mg/l]	0.01486060[mg/l]	<-0.00062368[mg/l]	0.06661840[mg/l]	0.02570870[mg/l]
Conc RSD	*4.41705115*	*0.91851284*	*0.36608472*	*17.87236047*	*275.41980865*	*2.07038896*	*1.51492296*
Conc SD	*0.26700500[mg/l]*	*0.00136570[mg/l]*	*0.01347880[mg/l]*	*0.00265594[mg/l]*	*0.00171773[mg/l]*	*0.00137926[mg/l]*	*0.00038947[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	891035	6916.65000000	22066.1000000	1967310	32552000	676684	12082900
Int RSD	*5.94474965*	*0.59987277*	*0.93620078*	*0.13114405*	*0.69064266*	*1.82949501*	*0.64769054*
Int SD	*52969.8000000*	*41.49110000*	*206.58300000*	*2580.01000000*	*224818*	*12379.9000000*	*78259.8000000*
RelInt Mean	0.02499010	-0.00026025	0.00011437	---	---	---	6.18287000
RelInt RSD	*6.41193913*	*1.61450232*	*4.33442921*	---	---	---	*0.72746152*
RelInt SD	*0.00160235*	*0.00000420*	*0.00000496*	---	---	---	*0.04497800*
Conc Mean	0.23212200[mg/l]	<-0.01487700[mg/l]	0.01099410[mg/l]	1952760	32452500	662940	20.45010000[mg/l]
Conc RSD	*6.43898467*	*2.07847684*	*7.54974032*	---	---	---	*0.72737053*
Conc SD	*0.01494630[mg/l]*	*0.00030922[mg/l]*	*0.00083003[mg/l]*	*2555.59000000*	*224967*	*11999.4000000*	*0.14874800[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6118.10000000	25110.4000000	773495	76027.2000000	12058.0000000	93190.3000000	
Int RSD	*5.73467253*	*2.46471183*	*2.44905268*	*0.89029190*	*0.09780395*	*0.54716532*	
Int SD	*350.85300000*	*618.89900000*	*18943.3000000*	*676.86400000*	*11.79320000*	*509.90500000*	
RelInt Mean	-0.00042236	0.00120224	0.38890700	0.03531460	0.00006942	0.04409070	
RelInt RSD	*84.84366343*	*15.11395395*	*2.38903645*	*1.06483154*	*41.33000307*	*0.58607598*	
RelInt SD	*0.00035834*	*0.00018171*	*0.00929113*	*0.00037604*	*0.00002869*	*0.00025841*	
Conc Mean	<-0.00031774[mg/l]	<0.00012431[mg/l]	6.66926000[mg/l]	1.27736000[mg/l]	<-0.00008107[mg/l]	4.24003000[mg/l]	
Conc RSD	*265.23665799*	*905.58934260*	*2.39806215*	*1.07014467*	*130.91080885*	*0.58488973*	
Conc SD	*0.00084276[mg/l]*	*0.00112572[mg/l]*	*0.15993300[mg/l]*	*0.01366960[mg/l]*	*0.00010613[mg/l]*	*0.02479950[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-002	Client ID:	AFRAME-C10E-MED-L2-HS-1-231023-L-G
Seqnum:	483428236111.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:00
Cal:	483428236001	Caldate:	24-OCT-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	4.188	210	0.50	0.17	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	1991670	-1.94

!=warning -=low bias <=opening a=ICSA u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-002,325074			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:00:13	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73561.3000000	31462.3000000	7988.52000000	17078.1000000	23348.5000000	231404	16451.1000000
Int RSD	*0.11368654*	*1.01812963*	*0.60880989*	*0.29087194*	*0.42552584*	*1.05951496*	*0.22439472*
Int SD	*83.62930000*	*320.32700000*	*48.63490000*	*49.67540000*	*99.35390000*	*2451.76000000*	*36.91540000*
RelInt Mean	0.00000751	0.02495340	0.00046004	0.00229273	0.00555168	0.33885800	0.00248379
RelInt RSD	*115.05102279*	*0.08132319*	*2.02283497*	*1.74028342*	*0.22725914*	*0.06473744*	*1.80859090*
RelInt SD	*0.00000864*	*0.00002029*	*0.00000931*	*0.00003990*	*0.00001262*	*0.00021937*	*0.00004492*
Conc Mean	<-0.00113927[mg/l]	2.39708000[mg/l]	0.03404320[mg/l]	0.01604800[mg/l]	0.01715860[mg/l]	13.04220000[mg/l]	0.01334140[mg/l]
Conc RSD	*31.51640963*	*0.08292339*	*1.71504735*	*3.36307951*	*0.23173511*	*0.06539518*	*1.96122596*
Conc SD	*0.00035906[mg/l]*	*0.00198774[mg/l]*	*0.00058386[mg/l]*	*0.00053971[mg/l]*	*0.00003976[mg/l]*	*0.00852897[mg/l]*	*0.00026166[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	24073.6000000	426484	50006100	12077.5000000	26440.7000000	1480430	8818.38000000
Int RSD	*0.96183786*	*2.81178192*	*1.04621636*	*1.13258539*	*1.15942089*	*0.51389326*	*0.40708271*
Int SD	*231.54900000*	*11991.8000000*	*523172*	*136.78800000*	*306.55900000*	*7607.83000000*	*35.89810000*
RelInt Mean	0.00610619	0.01096550	25.28560000	0.00749813	0.01570150	0.74105900	0.00007942
RelInt RSD	*1.85424954*	*2.55836943*	*0.86340447*	*0.50950304*	*2.36457663*	*0.53653623*	*16.76842973*
RelInt SD	*0.00011322*	*0.00028054*	*0.21831700*	*0.00003820*	*0.00037127*	*0.00397605*	*0.00001332*
Conc Mean	0.03949340[mg/l]	0.37282900[mg/l]	85.87940000[mg/l]	1.63259000[mg/l]	4.37813000[mg/l]	0.50379100[mg/l]	<0.00010149[mg/l]
Conc RSD	*1.85411993*	*2.58346320*	*0.86357962*	*0.83170300*	*2.40746620*	*0.53743120*	*102.46728677*
Conc SD	*0.00073226[mg/l]*	*0.00963190[mg/l]*	*0.74163700[mg/l]*	*0.01357830[mg/l]*	*0.10540200[mg/l]*	*0.00270753[mg/l]*	*0.00010399[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	90308.6000000	40777.4000000	286893	9954.10000000	7168.97000000	15822.5000000	29775.0000000
Int RSD	*0.70521301*	*0.16290298*	*0.43189970*	*0.47767654*	*0.05533012*	*0.87481119*	*1.33363560*
Int SD	*636.86800000*	*66.42760000*	*1239.09000000*	*47.54840000*	*3.96660000*	*138.41700000*	*397.09000000*
RelInt Mean	0.09716550	0.01430880	0.13892500	0.00022515	-0.00003211	0.00393311	0.02436040
RelInt RSD	*1.97536163*	*0.32667030*	*0.30201908*	*7.01743711*	*76.20444685*	*1.36077303*	*1.40445559*
RelInt SD	*0.00191937*	*0.00004674*	*0.00041958*	*0.00001580*	*0.00002447*	*0.00005352*	*0.00034213*
Conc Mean	5.68280000[mg/l]	0.11364100[mg/l]	4.18846000[mg/l]	0.01216430[mg/l]	<-0.00355639[mg/l]	0.07620810[mg/l]	0.02405720[mg/l]
Conc RSD	*2.37673330*	*0.32937144*	*0.30145209*	*7.12118248*	*53.21069961*	*1.39605895*	*1.43490099*
Conc SD	*0.13506500[mg/l]*	*0.00037430[mg/l]*	*0.01262620[mg/l]*	*0.00086624[mg/l]*	*0.00189238[mg/l]*	*0.00106391[mg/l]*	*0.00034520[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	754812	6858.49000000	21609.8000000	1991670	32916000	674990	35894400
Int RSD	*5.60850914*	*0.44675140*	*0.60156966*	*0.21418307*	*1.29563738*	*1.06527949*	*0.70306232*
Int SD	*42333.7000000*	*30.64040000*	*129.99800000*	*4265.82000000*	*426472*	*7190.53000000*	*252360*
RelInt Mean	0.02049000	-0.00025136	0.00008556	---	---	---	18.14990000
RelInt RSD	*5.33250366*	*3.75815358*	*0.68082776*	---	---	---	*0.63289605*
RelInt SD	*0.00109263*	*0.00000945*	*0.00000058*	---	---	---	*0.11487000*
Conc Mean	0.19014600[mg/l]	<-0.01407780[mg/l]	0.00617099[mg/l]	1976900	32815400	661098	>60.03420000[mg/l]
Conc RSD	*5.36009172*	*5.19352456*	*1.57978704*	---	---	---	*0.63290924*
Conc SD	*0.01019200[mg/l]*	*0.00073113[mg/l]*	*0.00009749[mg/l]*	*4218.04000000*	*426625*	*7169.96000000*	*0.37996200[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6277.91000000	25413.0000000	559172	67035.8000000	12068.8000000	93229.9000000	
Int RSD	*2.27730248*	*0.88048637*	*2.94201069*	*0.15851381*	*0.64196523*	*0.10001845*	
Int SD	*142.96700000*	*223.75800000*	*16450.9000000*	*106.26100000*	*77.47750000*	*93.24710000*	
RelInt Mean	-0.00032298	0.00100707	0.27564000	0.03044400	-0.00005122	0.04363460	
RelInt RSD	*43.29931699*	*14.32671016*	*3.00405964*	*0.08659605*	*85.26527273*	*0.19694600*	
RelInt SD	*0.00013985*	*0.00014428*	*0.00828039*	*0.00002636*	*0.00004367*	*0.00008594*	
Conc Mean	<-0.00008402[mg/l]	<-0.00108482[mg/l]	4.71957000[mg/l]	1.10032000[mg/l]	<-0.00061639[mg/l]	4.19626000[mg/l]	
Conc RSD	*391.43479756*	*82.39735624*	*3.02006327*	*0.08684092*	*27.86274341*	*0.19655217*	
Conc SD	*0.00032890[mg/l]*	*0.00089386[mg/l]*	*0.14253400[mg/l]*	*0.00095553[mg/l]*	*0.00017174[mg/l]*	*0.00824784[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-004	Client ID:	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-WF
Seqnum:	483428236123.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:42
Cal:	483428236001	Caldate:	24-OCT-2023		
IDF:	10.0	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	0.9719	490	**2.2**	0.17	y u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	2164210	6.56

u=use y=RL raised

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-004,325074, 10x | Sample Type: Unknown Sample

Measure Date: 2023-10-24 16:42:21 | Recalculation Date: | State: Measured | Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	77477.9000000	17589.9000000	5423.21000000	13596.4000000	14006.7000000	34371.0000000	13598.6000000
Int RSD	*0.58866722*	*1.83214799*	*0.20266226*	*0.86001442*	*1.24034926*	*1.50505368*	*0.73371524*
Int SD	*456.08700000*	*322.27300000*	*10.99080000*	*116.93100000*	*173.73200000*	*517.30200000*	*99.77500000*
RelInt Mean	0.00003652	0.00386411	-0.00006405	0.00074894	0.00090404	0.03904550	0.00095707
RelInt RSD	*2.88877753*	*8.56450774*	*13.49897579*	*3.79241973*	*8.60347684*	*1.66651983*	*4.00874337*
RelInt SD	*0.00000105*	*0.00033094*	*0.00000865*	*0.00002840*	*0.00007778*	*0.00065070*	*0.00003837*
Conc Mean	<0.00006716[mg/l]	0.33129900[mg/l]	<0.00119166[mg/l]	<-0.00483252[mg/l]	0.00263692[mg/l]	1.38021000[mg/l]	0.00524991[mg/l]
Conc RSD	*65.31843895*	*9.78487710*	*45.48956917*	*7.94964118*	*9.08036649*	*1.83399628*	*3.98782074*
Conc SD	*0.00004387[mg/l]*	*0.03241720[mg/l]*	*0.00054208[mg/l]*	*0.00038417[mg/l]*	*0.00023944[mg/l]*	*0.02531300[mg/l]*	*0.00020936[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	14365.3000000	121989	9020440	8964.89000000	17956.9000000	343372	8022.78000000
Int RSD	*0.68901728*	*3.21733107*	*0.47428729*	*1.37668170*	*1.63440794*	*0.90357397*	*3.19667248*
Int SD	*98.97940000*	*3924.79000000*	*42782.8000000*	*123.41800000*	*293.48900000*	*3102.62000000*	*256.46200000*
RelInt Mean	0.00125027	0.00145072	4.18888000	0.00212047	0.00197790	0.15306100	0.00033792
RelInt RSD	*5.68619578*	*5.10181841*	*0.30338181*	*6.63659472*	*17.81940442*	*0.97027329*	*36.55884068*
RelInt SD	*0.00007109*	*0.00007401*	*0.01270830*	*0.00014073*	*0.00035245*	*0.00148511*	*0.00012354*
Conc Mean	0.00808647[mg/l]	0.04615610[mg/l]	14.22400000[mg/l]	<-0.27896600[mg/l]	0.48227000[mg/l]	0.10342400[mg/l]	0.00212015[mg/l]
Conc RSD	*5.68620177*	*5.50542615*	*0.30318054*	*17.93179097*	*20.74626247*	*0.97770343*	*45.50248803*
Conc SD	*0.00045981[mg/l]*	*0.00254109[mg/l]*	*0.04312440[mg/l]*	*0.05002360[mg/l]*	*0.10005300[mg/l]*	*0.00101118[mg/l]*	*0.00096472[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	34366.1000000	15914.1000000	81053.1000000	8283.93000000	6191.89000000	6202.84000000	16339.2000000
Int RSD	*1.35933085*	*1.34702559*	*0.37690477*	*0.18554116*	*0.22999440*	*0.57852048*	*0.55403569*
Int SD	*467.14900000*	*214.36700000*	*305.49300000*	*15.37010000*	*14.24100000*	*35.88470000*	*90.52500000*
RelInt Mean	0.01064750	0.00166286	0.03215840	0.00009395	0.00002945	0.00030906	0.00296377
RelInt RSD	*2.79483447*	*5.97375005*	*0.88149286*	*5.66405543*	*32.57084656*	*0.10094027*	*6.59052491*
RelInt SD	*0.00029758*	*0.00009934*	*0.00028347*	*0.00000532*	*0.00000959*	*0.00000031*	*0.00019533*
Conc Mean	<-0.40551000[mg/l]	0.01231840[mg/l]	0.97186500[mg/l]	0.00512526[mg/l]	<0.00120494[mg/l]	0.00416223[mg/l]	0.00246915[mg/l]
Conc RSD	*5.16362112*	*6.46061989*	*0.87958513*	*5.67368290*	*61.57833585*	*0.14893483*	*7.98149161*
Conc SD	*0.02093900[mg/l]*	*0.00079584[mg/l]*	*0.00854838[mg/l]*	*0.00029079[mg/l]*	*0.00074198[mg/l]*	*0.00000620[mg/l]*	*0.00019707[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	221809	5529.09000000	22029.1000000	2164210	36543800	704515	4890930
Int RSD	*2.19785491*	*0.32854593*	*3.16159534*	*0.76704202*	*2.04249421*	*1.14015174*	*0.51003183*
Int SD	*4875.04000000*	*18.16560000*	*696.47100000*	*16600.4000000*	*746405*	*8032.54000000*	*24945.3000000*
RelInt Mean	0.00377539	-0.00007238	0.00008501	---	---	---	2.27129000
RelInt RSD	*2.29669253*	*27.66538314*	*23.45021150*	---	---	---	*0.51645541*
RelInt SD	*0.00008671*	*0.00002002*	*0.00001994*	---	---	---	*0.01173020*
Conc Mean	0.03423610[mg/l]	<0.00019619[mg/l]	0.00607905[mg/l]	2149800	36437000	690015	7.51162000[mg/l]
Conc RSD	*2.36245075*	*789.95845758*	*54.89673551*	---	---	---	*0.51655835*
Conc SD	*0.00080881[mg/l]*	*0.00154978[mg/l]*	*0.00333720[mg/l]*	*16570.0000000*	*745796*	*7883.01000000*	*0.03880190[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6568.74000000	26014.9000000	94850.9000000	12669.5000000	11927.7000000	16277.0000000	
Int RSD	*0.39365388*	*1.34436035*	*2.65054944*	*0.34562058*	*1.10200625*	*0.89574860*	
Int SD	*25.85810000*	*349.73400000*	*2514.07000000*	*43.78840000*	*131.44400000*	*145.80100000*	
RelInt Mean	-0.00035220	0.00050057	0.03824970	0.00354787	0.00018559	0.00478597	
RelInt RSD	*77.75875433*	*41.79753284*	*3.56120440*	*1.65009428*	*25.14416419*	*2.20201965*	
RelInt SD	*0.00027386*	*0.00020923*	*0.00136215*	*0.00005854*	*0.00004666*	*0.00010539*	
Conc Mean	<-0.00015273[mg/l]	<-0.00422272[mg/l]	0.63321800[mg/l]	0.12265800[mg/l]	0.00044098[mg/l]	0.46794800[mg/l]	
Conc RSD	*421.70548219*	*30.69680206*	*3.69951581*	*1.73472582*	*41.60413620*	*2.16130852*	
Conc SD	*0.00064408[mg/l]*	*0.00129624[mg/l]*	*0.02342600[mg/l]*	*0.00212778[mg/l]*	*0.00018347[mg/l]*	*0.01011380[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-005	Client ID:	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF
Seqnum:	483428236113.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:06
Cal:	483428236001	Caldate:	24-OCT-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	7.867	390	0.50	0.17	CO? !<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	1969810	-3.02

!=warning -=low bias <=opening CO?=check for carryover a=ICSA u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-005,325074			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:06:41	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73295.3000000	36019.9000000	7617.69000000	17939.2000000	27031.1000000	221650	26532.5000000
Int RSD	*0.34886412*	*1.20949531*	*0.37348330*	*0.88856248*	*1.10778326*	*0.76118204*	*0.60604542*
Int SD	*255.70100000*	*435.65900000*	*28.45080000*	*159.40100000*	*299.44600000*	*1687.16000000*	*160.79900000*
RelInt Mean	0.00001844	0.03223850	-0.00009321	0.00244055	0.00730663	0.32551400	0.00756320
RelInt RSD	*17.60950558*	*0.93865099*	*12.81599331*	*3.70989326*	*2.22666263*	*0.45208501*	*1.33127512*
RelInt SD	*0.00000325*	*0.00030261*	*0.00001195*	*0.00009054*	*0.00016269*	*0.00147160*	*0.00010069*
Conc Mean	<-0.00068462[mg/l]	3.11069000[mg/l]	<-0.00069504[mg/l]	0.01804730[mg/l]	0.02263960[mg/l]	12.52310000[mg/l]	0.04111740[mg/l]
Conc RSD	*19.72191832*	*0.95284005*	*107.78462154*	*6.78544713*	*2.25110426*	*0.45692440*	*1.38922695*
Conc SD	*0.00013502[mg/l]*	*0.02963990[mg/l]*	*0.00074914[mg/l]*	*0.00122459[mg/l]*	*0.00050964[mg/l]*	*0.05722110[mg/l]*	*0.00057121[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	34350.9000000	392007	71718900	12837.0000000	27768.7000000	2882190	9105.22000000
Int RSD	*1.49638001*	*2.55464826*	*1.54296845*	*0.58595856*	*0.18566047*	*1.76130304*	*2.41462590*
Int SD	*514.02000000*	*10014.4000000*	*1106600*	*75.21950000*	*51.55550000*	*50764.1000000*	*219.85700000*
RelInt Mean	0.01123450	0.01011460	36.68470000	0.00890084	0.01796400	1.46618000	0.00006738
RelInt RSD	*2.01968045*	*3.17290847*	*1.55269090*	*3.60053658*	*1.02578490*	*1.62753550*	*179.99290560*
RelInt SD	*0.00022690*	*0.00032093*	*0.56960000*	*0.00032048*	*0.00018427*	*0.02386260*	*0.00012127*
Conc Mean	0.07266250[mg/l]	0.34361600[mg/l]	>124.59700000[mg/l]	2.13120000[mg/l]	5.02041000[mg/l]	0.99752200[mg/l]	<0.00000747[mg/l]
Conc RSD	*2.01952864*	*3.20663182*	*1.55291861*	*5.34548611*	*1.04169181*	*1.62839516*	*12674.8638524*
Conc SD	*0.00146744[mg/l]*	*0.01101850[mg/l]*	*1.93489000[mg/l]*	*0.11392300[mg/l]*	*0.05229720[mg/l]*	*0.01624360[mg/l]*	*0.00094702[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	95112.0000000	36592.3000000	522912	9574.45000000	7697.98000000	12872.3000000	30007.4000000
Int RSD	*1.14937127*	*1.14070173*	*0.42646181*	*0.05424009*	*0.81920452*	*0.82744343*	*0.23605344*
Int SD	*1093.19000000*	*417.40900000*	*2230.02000000*	*5.19319000*	*63.06220000*	*106.51100000*	*70.83350000*
RelInt Mean	0.10521700	0.01217280	0.26098000	0.00007413	-0.00002689	0.00191123	0.02498340
RelInt RSD	*0.76099205*	*1.51814702*	*0.50937237*	*43.19017908*	*124.40248673*	*2.29124177*	*2.08108184*
RelInt SD	*0.00080069*	*0.00018480*	*0.00132936*	*0.00003202*	*0.00003346*	*0.00004379*	*0.00051992*
Conc Mean	6.24941000[mg/l]	0.09652710[mg/l]	7.86726000[mg/l]	<0.00365493[mg/l]	<-0.00315319[mg/l]	0.03601330[mg/l]	0.02468570[mg/l]
Conc RSD	*0.90144990*	*1.53425308*	*0.51004543*	*48.45263794*	*82.06514672*	*2.41736525*	*2.12482935*
Conc SD	*0.05633530[mg/l]*	*0.00148097[mg/l]*	*0.04012660[mg/l]*	*0.00177091[mg/l]*	*0.00258767[mg/l]*	*0.00087057[mg/l]*	*0.00052453[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	809921	7540.91000000	22361.6000000	1969810	32266500	672393	22125200
Int RSD	*5.09778114*	*0.31095982*	*0.35320013*	*0.14409258*	*0.17737003*	*1.18724912*	*1.65256359*
Int SD	*41288.0000000*	*23.44920000*	*78.98120000*	*2838.35000000*	*57231.1000000*	*7982.98000000*	*365633*
RelInt Mean	0.02268450	-0.00030299	0.00010555	---	---	---	11.31410000
RelInt RSD	*5.80920893*	*1.46588205*	*1.32706756*	---	---	---	*1.70862022*
RelInt SD	*0.00131779*	*0.00000444*	*0.00000140*	---	---	---	*0.19331500*
Conc Mean	0.21061600[mg/l]	<-0.01813480[mg/l]	0.00951801[mg/l]	1954460	32165800	658729	>37.42280000[mg/l]
Conc RSD	*5.83640369*	*1.74944306*	*2.46724893*	---	---	---	*1.70867760*
Conc SD	*0.01229240[mg/l]*	*0.00031726[mg/l]*	*0.00023483[mg/l]*	*2809.81000000*	*57808.7000000*	*7973.61000000*	*0.63943500[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6332.14000000	25291.0000000	712484	75284.9000000	12555.2000000	102524	
Int RSD	*1.92832123*	*1.41847693*	*0.96113457*	*1.08569315*	*0.58271951*	*0.89713433*	
Int SD	*122.10400000*	*358.74700000*	*6847.93000000*	*817.36300000*	*73.16160000*	*919.77800000*	
RelInt Mean	-0.00023408	0.00135284	0.35691000	0.03461260	-0.00004636	0.04859060	
RelInt RSD	*22.13431930*	*18.15255315*	*0.82655852*	*1.21201817*	*58.04503850*	*0.84824019*	
RelInt SD	*0.00005181*	*0.00024557*	*0.00295007*	*0.00041951*	*0.00002691*	*0.00041217*	
Conc Mean	<0.00012505[mg/l]	<0.00105734[mg/l]	6.11852000[mg/l]	1.25185000[mg/l]	<-0.00047076[mg/l]	4.67189000[mg/l]	
Conc RSD	*97.44656009*	*143.89127433*	*0.83025143*	*1.21790151*	*23.21553749*	*0.84668946*	
Conc SD	*0.00012185[mg/l]*	*0.00152142[mg/l]*	*0.05079910[mg/l]*	*0.01524630[mg/l]*	*0.00010929[mg/l]*	*0.03955640[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-006	Client ID:	AFRAME-C8E-LAT-L2-INT-0.5 TO 1-231023-L-FB
Seqnum:	483428236114.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:09
Cal:	483428236001	Caldate:	24-OCT-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	4.051	200	0.50	0.17	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	1984230	-2.31

!=warning -=low bias <=opening a=ICSA u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-006,325074 | Sample Type: Unknown Sample

Measure Date: 2023-10-24 16:09:56 | Recalculation Date: | State: Measured | Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73864.2000000	33944.9000000	8833.09000000	18202.4000000	23766.1000000	373722	18902.0000000
Int RSD	*0.28702267*	*0.95862707*	*0.72923518*	*0.46831132*	*0.93955676*	*0.74112308*	*0.08893979*
Int SD	*212.00700000*	*325.40500000*	*64.41400000*	*85.24390000*	*223.29600000*	*2769.74000000*	*16.81140000*
RelInt Mean	0.00002307	0.02813860	0.00058987	0.00252655	0.00560976	0.55515600	0.00360828
RelInt RSD	*19.76359861*	*0.40461146*	*0.62289424*	*2.92926718*	*0.75806630*	*0.22840247*	*0.91066935*
RelInt SD	*0.00000456*	*0.00011385*	*0.00000367*	*0.00007401*	*0.00004253*	*0.00126799*	*0.00003286*
Conc Mean	<-0.00049223[mg/l]	2.70908000[mg/l]	0.04218770[mg/l]	0.01921050[mg/l]	0.01733630[mg/l]	21.45560000[mg/l]	0.01937200[mg/l]
Conc RSD	*38.51076538*	*0.41161206*	*0.54834229*	*5.21084823*	*0.77872441*	*0.22979688*	*0.82406050*
Conc SD	*0.00018956[mg/l]*	*0.01115090[mg/l]*	*0.00023133[mg/l]*	*0.00100103[mg/l]*	*0.00013500[mg/l]*	*0.04930430[mg/l]*	*0.00015964[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	24602.8000000	560976	73125900	12373.7000000	26859.8000000	1759550	8964.98000000
Int RSD	*0.57894223*	*2.69883204*	*2.14681802*	*1.90491122*	*0.98182414*	*1.63763462*	*1.54251320*
Int SD	*142.43600000*	*15139.8000000*	*1569880*	*235.70800000*	*263.71600000*	*28815.0000000*	*138.28600000*
RelInt Mean	0.00618637	0.01523820	37.13740000	0.00806944	0.01626170	0.88532100	0.00020863
RelInt RSD	*2.38285133*	*2.93718418*	*2.82806551*	*3.17417318*	*1.64495102*	*0.56866041*	*50.67801078*
RelInt SD	*0.00014741*	*0.00044757*	*1.05027000*	*0.00025614*	*0.00026750*	*0.00503447*	*0.00010573*
Conc Mean	0.04001190[mg/l]	0.51952600[mg/l]	>126.13400000[mg/l]	1.83567000[mg/l]	4.53714000[mg/l]	0.60201900[mg/l]	0.00111048[mg/l]
Conc RSD	*2.38285860*	*2.95800403*	*2.82861877*	*4.95980759*	*1.67374602*	*0.56935745*	*74.34820978*
Conc SD	*0.00095343[mg/l]*	*0.01536760[mg/l]*	*3.56785000[mg/l]*	*0.09104570[mg/l]*	*0.07594020[mg/l]*	*0.00342764[mg/l]*	*0.00082562[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	89420.6000000	42905.0000000	277112	9622.88000000	7658.06000000	17855.6000000	32811.7000000
Int RSD	*0.58254474*	*0.32363827*	*0.53874246*	*0.40055160*	*0.40897695*	*0.49187930*	*1.11196921*
Int SD	*520.91500000*	*138.85700000*	*1492.92000000*	*38.54460000*	*31.31970000*	*87.82800000*	*364.85600000*
RelInt Mean	0.09614140	0.01528350	0.13439600	0.00038427	-0.00002004	0.00454180	0.02896700
RelInt RSD	*0.70714073*	*0.90689305*	*0.88033870*	*7.92319963*	*95.39045661*	*1.54656964*	*0.43982118*
RelInt SD	*0.00067986*	*0.00013861*	*0.00118314*	*0.00003045*	*0.00001912*	*0.00007024*	*0.00012740*
Conc Mean	5.61073000[mg/l]	0.12145100[mg/l]	4.05075000[mg/l]	0.02092160[mg/l]	<-0.00262328[mg/l]	0.08830880[mg/l]	0.02870490[mg/l]
Conc RSD	*0.85263058*	*0.91478868*	*0.87856323*	*8.03643125*	*56.36912567*	*1.58137128*	*0.44796533*
Conc SD	*0.04783880[mg/l]*	*0.00111102[mg/l]*	*0.03558840[mg/l]*	*0.00168135[mg/l]*	*0.00147872[mg/l]*	*0.00139649[mg/l]*	*0.00012859[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	999838	7347.36000000	22389.1000000	1984230	32498200	673494	6137110
Int RSD	*4.16442464*	*0.48762957*	*1.21437664*	*1.31092162*	*0.13262273*	*0.94715023*	*1.21625977*
Int SD	*41637.5000000*	*35.82790000*	*271.88800000*	*26011.7000000*	*43100.0000000*	*6379.00000000*	*74643.2000000*
RelInt Mean	0.02837080	-0.00029186	0.00010142	---	---	---	3.11258000
RelInt RSD	*4.47220382*	*3.41291715*	*3.34974068*	---	---	---	*0.33306774*
RelInt SD	*0.00126880*	*0.00000996*	*0.00000340*	---	---	---	*0.01036700*
Conc Mean	0.26365600[mg/l]	<-0.01740800[mg/l]	0.00882624[mg/l]	1968860	32396700	659658	10.29440000[mg/l]
Conc RSD	*4.48887945*	*4.50954733*	*6.44464687*	---	---	---	*0.33330452*
Conc SD	*0.01183520[mg/l]*	*0.00078502[mg/l]*	*0.00056882[mg/l]*	*26043.6000000*	*42892.8000000*	*6340.68000000*	*0.03431170[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6537.82000000	25729.1000000	647705	70805.4000000	12915.3000000	89186.6000000	
Int RSD	*3.22875209*	*2.05809375*	*2.21196378*	*0.47832510*	*0.54373340*	*0.65331900*	
Int SD	*211.09000000*	*529.52900000*	*14327.0000000*	*338.68000000*	*70.22480000*	*582.67300000*	
RelInt Mean	-0.00004600	0.00161972	0.32153700	0.03215720	0.00009682	0.04152950	
RelInt RSD	*392.27161949*	*16.99583879*	*1.71344200*	*1.12010685*	*28.45709245*	*1.43361707*	
RelInt SD	*0.00018043*	*0.00027529*	*0.00550935*	*0.00036020*	*0.00002755*	*0.00059537*	
Conc Mean	<0.00056739[mg/l]	<0.00271070[mg/l]	5.50958000[mg/l]	1.16260000[mg/l]	<-0.00005972[mg/l]	3.99423000[mg/l]	
Conc RSD	*74.78810908*	*62.91658981*	*1.72134537*	*1.12633752*	*181.75546931*	*1.43051101*	
Conc SD	*0.00042434[mg/l]*	*0.00170548[mg/l]*	*0.09483890[mg/l]*	*0.01309480[mg/l]*	*0.00010855[mg/l]*	*0.05713790[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-007	Client ID:	AFRAME-C8E-LAT-L2-UP-C8.1-VS-231023-L-I
Seqnum:	483428236115.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:13
Cal:	483428236001	Caldate:	24-OCT-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	4.153	210	0.50	0.17	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	1984970	-2.27

!=warning -=low bias <=opening a=ICSA u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-007,325074			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:13:11	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73927.7000000	31889.1000000	6993.15000000	17328.9000000	31981.7000000	548302	21563.2000000
Int RSD	*0.39302724*	*1.92039286*	*0.23043836*	*0.86971475*	*0.62385677*	*0.84581855*	*0.34354085*
Int SD	*290.55600000*	*612.39600000*	*16.11490000*	*150.71200000*	*199.52000000*	*4637.64000000*	*74.07840000*
RelInt Mean	0.00002515	0.02389100	-0.00007007	0.00224572	0.00986175	0.80713900	0.00498338
RelInt RSD	*6.10704841*	*2.60971496*	*45.47273394*	*1.59664161*	*1.26563744*	*0.30880059*	*1.31547464*
RelInt SD	*0.00000154*	*0.00062349*	*0.00003186*	*0.00003586*	*0.00012481*	*0.00249245*	*0.00006556*
Conc Mean	<-0.00040570[mg/l]	2.29302000[mg/l]	<0.00075449[mg/l]	0.01541210[mg/l]	0.03061050[mg/l]	31.25710000[mg/l]	0.02703850[mg/l]
Conc RSD	*15.74015967*	*2.66338279*	*264.82789699*	*3.14655368*	*1.27302070*	*0.31022424*	*1.24753592*
Conc SD	*0.00006386[mg/l]*	*0.06107190[mg/l]*	*0.00199810[mg/l]*	*0.00048495[mg/l]*	*0.00038968[mg/l]*	*0.09696710[mg/l]*	*0.00033731[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	35189.1000000	336723	58414200	12256.3000000	26837.7000000	2636270	8965.91000000
Int RSD	*1.05305904*	*2.00406566*	*0.58568122*	*2.01585307*	*1.33895602*	*0.39518714*	*0.81895201*
Int SD	*370.56200000*	*6748.15000000*	*342121*	*247.06900000*	*359.34500000*	*10418.2000000*	*73.42650000*
RelInt Mean	0.01161270	0.00829768	29.64400000	0.00765619	0.01614070	1.33015000	0.00036528
RelInt RSD	*1.58132045*	*1.91850011*	*0.97803603*	*2.11701904*	*2.47902507*	*0.19916626*	*5.75263975*
RelInt SD	*0.00018363*	*0.00015919*	*0.28992900*	*0.00016208*	*0.00040013*	*0.00264921*	*0.00002101*
Conc Mean	0.07510830[mg/l]	0.28123500[mg/l]	>100.68300000[mg/l]	1.68878000[mg/l]	4.50282000[mg/l]	0.90490300[mg/l]	0.00233380[mg/l]
Conc RSD	*1.58150298*	*1.94343165*	*0.97804396*	*3.41152193*	*2.52255253*	*0.19956393*	*7.03132231*
Conc SD	*0.00118784[mg/l]*	*0.00546561[mg/l]*	*0.98472400[mg/l]*	*0.05761310[mg/l]*	*0.11358600[mg/l]*	*0.00180586[mg/l]*	*0.00016410[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	93235.0000000	34184.4000000	283771	9191.53000000	7241.71000000	13672.1000000	40702.7000000
Int RSD	*0.68135357*	*0.76798481*	*0.51184934*	*0.54344815*	*0.11468521*	*0.20905055*	*0.35577247*
Int SD	*635.26000000*	*262.53100000*	*1452.48000000*	*49.95120000*	*8.30517000*	*28.58160000*	*144.80900000*
RelInt Mean	0.10044200	0.01090270	0.13776500	0.00027744	-0.00003655	0.00286807	0.04027790
RelInt RSD	*1.34031580*	*0.75900006*	*0.95305774*	*13.20852377*	*25.29946288*	*0.97183123*	*0.66086862*
RelInt SD	*0.00134624*	*0.00008275*	*0.00131298*	*0.00003665*	*0.00000925*	*0.00002787*	*0.00026618*
Conc Mean	5.91336000[mg/l]	0.08635090[mg/l]	4.15312000[mg/l]	0.01483400[mg/l]	<-0.00389971[mg/l]	0.05503520[mg/l]	0.04011690[mg/l]
Conc RSD	*1.60213314*	*0.76787387*	*0.95229611*	*13.58123230*	*18.33761998*	*1.00685925*	*0.66934135*
Conc SD	*0.09473990[mg/l]*	*0.00066307[mg/l]*	*0.03955000[mg/l]*	*0.00201464[mg/l]*	*0.00071511[mg/l]*	*0.00055413[mg/l]*	*0.00026852[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	724547	6941.57000000	22263.3000000	1984970	32607600	683782	7076680
Int RSD	*7.59522847*	*0.10548089*	*0.66533712*	*0.58874441*	*1.05928373*	*0.77171818*	*0.58338939*
Int SD	*55031.0000000*	*7.32203000*	*148.12600000*	*11686.4000000*	*345407*	*5276.87000000*	*41284.6000000*
RelInt Mean	0.01979730	-0.00022902	0.00009928	---	---	---	3.58782000
RelInt RSD	*8.52772853*	*7.14479705*	*8.92546824*	---	---	---	*0.22735449*
RelInt SD	*0.00168826*	*0.00001636*	*0.00000886*	---	---	---	*0.00815707*
Conc Mean	0.18368500[mg/l]	<-0.01233440[mg/l]	0.00846709[mg/l]	1969940	32505000	669919	11.86640000[mg/l]
Conc RSD	*8.57315513*	*10.61778441*	*17.52018698*	---	---	---	*0.22744303*
Conc SD	*0.01574760[mg/l]*	*0.00130964[mg/l]*	*0.00148345[mg/l]*	*11620.3000000*	*345459*	*5133.65000000*	*0.02698930[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6291.59000000	25517.7000000	602678	63478.3000000	12272.4000000	107555	
Int RSD	*2.00373832*	*1.59755777*	*0.73037841*	*0.72596777*	*0.99414947*	*0.66973734*	
Int SD	*126.06700000*	*407.66000000*	*4401.83000000*	*460.83200000*	*122.00600000*	*720.33600000*	
RelInt Mean	-0.00032890	0.00127173	0.29872200	0.02874140	-0.00008937	0.05097730	
RelInt RSD	*59.41561897*	*18.20755978*	*0.18575097*	*0.83259688*	*71.95882587*	*0.86677207*	
RelInt SD	*0.00019542*	*0.00023155*	*0.00055488*	*0.00023930*	*0.00006431*	*0.00044186*	
Conc Mean	<-0.00009793[mg/l]	<0.00055479[mg/l]	5.11683000[mg/l]	1.03843000[mg/l]	<-0.00064638[mg/l]	4.90094000[mg/l]	
Conc RSD	*469.29283089*	*258.57211609*	*0.18678127*	*0.83747099*	*38.80858635*	*0.86517076*	
Conc SD	*0.00045958[mg/l]*	*0.00143454[mg/l]*	*0.00955728[mg/l]*	*0.00869655[mg/l]*	*0.00025085[mg/l]*	*0.04240150[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-008	Client ID:	AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-WF
Seqnum:	483428236116.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:16
Cal:	483428236001	Caldate:	24-OCT-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	2.730	140	0.50	0.17	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	2028340	-0.13

!=warning -=low bias <=opening a=ICSA u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-008,325074			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:16:26	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73944.3000000	30989.3000000	7575.54000000	18029.6000000	27887.1000000	192475	27715.1000000
Int RSD	*0.21726218*	*1.03901992*	*0.68199891*	*0.87619248*	*0.38238827*	*2.30443954*	*0.28026166*
Int SD	*160.65300000*	*321.98500000*	*51.66510000*	*157.97400000*	*106.63700000*	*4435.47000000*	*77.67480000*
RelInt Mean	0.00000932	0.02394710	0.00012919	0.00238536	0.00756423	0.27530400	0.00793654
RelInt RSD	*36.81303593*	*3.00139892*	*24.32539130*	*2.93771171*	*0.48720755*	*0.48179467*	*1.40675912*
RelInt SD	*0.00000343*	*0.00071875*	*0.00003142*	*0.00007007*	*0.00003685*	*0.00132640*	*0.00011165*
Conc Mean	<-0.00106372[mg/l]	2.29851000[mg/l]	0.01326450[mg/l]	0.01730080[mg/l]	0.02344260[mg/l]	10.57010000[mg/l]	0.04322920[mg/l]
Conc RSD	*13.41527846*	*3.06323662*	*14.86908666*	*5.47852122*	*0.49181831*	*0.48816000*	*1.48373784*
Conc SD	*0.00014270[mg/l]*	*0.07040880[mg/l]*	*0.00197231[mg/l]*	*0.00094783[mg/l]*	*0.00011529[mg/l]*	*0.05159900[mg/l]*	*0.00064141[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	32577.9000000	464233	73505200	12835.1000000	27314.4000000	2707150	8633.63000000
Int RSD	*0.37885499*	*2.24576883*	*1.03562061*	*1.99858980*	*1.75953343*	*2.85833810*	*0.87787408*
Int SD	*123.42300000*	*10425.6000000*	*761235*	*256.52100000*	*480.60600000*	*77379.5000000*	*75.79240000*
RelInt Mean	0.01001010	0.01191460	36.50770000	0.00850044	0.01675500	1.33683000	0.00011872
RelInt RSD	*1.50506988*	*2.63056250*	*1.66430643*	*4.37573820*	*5.33899731*	*3.35151814*	*21.16965271*
RelInt SD	*0.00015066*	*0.00031342*	*0.60760000*	*0.00037196*	*0.00089455*	*0.04480410*	*0.00002513*
Conc Mean	0.06474310[mg/l]	0.40541600[mg/l]	>123.99500000[mg/l]	1.98887000[mg/l]	4.67720000[mg/l]	0.90944900[mg/l]	<0.00040840[mg/l]
Conc RSD	*1.50516117*	*2.65398998*	*1.66455099*	*6.64764414*	*5.42940221*	*3.35447067*	*48.05593577*
Conc SD	*0.00097449[mg/l]*	*0.01075970[mg/l]*	*2.06396000[mg/l]*	*0.13221300[mg/l]*	*0.25394400[mg/l]*	*0.03050720[mg/l]*	*0.00019626[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	92800.5000000	44134.2000000	194646	9243.80000000	7372.55000000	12480.6000000	28917.8000000
Int RSD	*0.95708536*	*0.30493132*	*0.37643979*	*0.40775439*	*0.86980082*	*0.56111886*	*1.21570797*
Int SD	*888.18000000*	*134.57900000*	*732.72500000*	*37.69200000*	*64.12650000*	*70.03100000*	*351.55600000*
RelInt Mean	0.09921780	0.01558600	0.09058450	0.00025257	-0.00002710	0.00204740	0.02253270
RelInt RSD	*3.12861200*	*1.08582061*	*0.98750338*	*3.38699703*	*142.03868196*	*0.67418189*	*2.87754685*
RelInt SD	*0.00310414*	*0.00016924*	*0.00089453*	*0.00000855*	*0.00003849*	*0.00001380*	*0.00064839*
Conc Mean	5.82723000[mg/l]	0.12387500[mg/l]	2.72995000[mg/l]	0.01352590[mg/l]	<-0.00316889[mg/l]	0.03872040[mg/l]	0.02221310[mg/l]
Conc RSD	*3.74874512*	*1.09457921*	*0.98643565*	*3.45516380*	*93.93920269*	*0.70881241*	*2.94533856*
Conc SD	*0.21844800[mg/l]*	*0.00135591[mg/l]*	*0.02692920[mg/l]*	*0.00046734[mg/l]*	*0.00297683[mg/l]*	*0.00027446[mg/l]*	*0.00065425[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	695803	7066.07000000	22188.2000000	2028340	33404500	686222	8265390
Int RSD	*11.94580937*	*0.42091007*	*0.60370828*	*0.76113965*	*0.47892649*	*2.11367458*	*0.68650965*
Int SD	*83119.3000000*	*29.74180000*	*133.95200000*	*15438.5000000*	*159983*	*14504.5000000*	*56742.7000000*
RelInt Mean	0.01846590	-0.00023830	0.00008870	---	---	---	4.10156000
RelInt RSD	*13.27495546*	*1.68736781*	*4.47856689*	---	---	---	*0.09164781*
RelInt SD	*0.00245134*	*0.00000402*	*0.00000397*	---	---	---	*0.00375899*
Conc Mean	0.17126600[mg/l]	<-0.01301720[mg/l]	0.00669672[mg/l]	2013010	33302000	672324	13.56560000[mg/l]
Conc RSD	*13.35075263*	*1.95654980*	*9.93004038*	---	---	---	*0.09179985*
Conc SD	*0.02286530[mg/l]*	*0.00025469[mg/l]*	*0.00066499[mg/l]*	*15401.7000000*	*159898*	*14506.8000000*	*0.01245320[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6401.77000000	25503.3000000	575824	77538.9000000	12315.8000000	97361.7000000	
Int RSD	*1.82374562*	*0.57351402*	*2.70914377*	*0.32518001*	*1.18416181*	*0.68259285*	
Int SD	*116.75200000*	*146.26500000*	*15599.9000000*	*252.14100000*	*145.83900000*	*664.58400000*	
RelInt Mean	-0.00024769	0.00121997	0.27879900	0.03500530	-0.00020468	0.04483120	
RelInt RSD	*9.58839512*	*22.37317311*	*2.11661448*	*0.85508194*	*41.54444852*	*0.47994923*	
RelInt SD	*0.00002375*	*0.00027295*	*0.00590110*	*0.00029932*	*0.00008503*	*0.00021517*	
Conc Mean	<0.00009305[mg/l]	<0.00023416[mg/l]	4.77394000[mg/l]	1.26612000[mg/l]	<-0.00114857[mg/l]	4.31110000[mg/l]	
Conc RSD	*60.02626556*	*722.14416577*	*2.12790693*	*0.85923925*	*29.76649225*	*0.47905407*	
Conc SD	*0.00005585[mg/l]*	*0.00169098[mg/l]*	*0.10158500[mg/l]*	*0.01087900[mg/l]*	*0.00034189[mg/l]*	*0.02065250[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-009	Client ID:	AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF
Seqnum:	483428236117.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:20
Cal:	483428236001	Caldate:	24-OCT-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	3.810	190	0.50	0.17	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	2009950	-1.04

!=warning -=low bias <=opening a=ICSA u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-009,325074			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:20:34	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73530.3000000	31303.4000000	7577.01000000	17957.5000000	28242.1000000	193560	27462.4000000
Int RSD	*1.17954775*	*1.17591699*	*0.42317352*	*0.77608799*	*0.59308267*	*1.01824241*	*0.39710659*
Int SD	*867.32500000*	*368.10200000*	*32.06390000*	*139.36600000*	*167.49900000*	*1970.91000000*	*109.05500000*
RelInt Mean	0.00001126	0.02451730	0.00013889	0.00242492	0.00781483	0.27629400	0.00789778
RelInt RSD	*80.67139127*	*2.84299250*	*16.16190997*	*0.91220329*	*1.73983311*	*0.67348549*	*1.55698184*
RelInt SD	*0.00000908*	*0.00069702*	*0.00002245*	*0.00002212*	*0.00013597*	*0.00186080*	*0.00012297*
Conc Mean	<-0.00098315[mg/l]	2.35436000[mg/l]	0.01387160[mg/l]	0.01783590[mg/l]	0.02422270[mg/l]	10.60860000[mg/l]	0.04300240[mg/l]
Conc RSD	*38.41842734*	*2.90013847*	*10.14778396*	*1.67766695*	*1.74508622*	*0.68226910*	*1.55487368*
Conc SD	*0.00037771[mg/l]*	*0.06827970[mg/l]*	*0.00140766[mg/l]*	*0.00029923[mg/l]*	*0.00042271[mg/l]*	*0.07237920[mg/l]*	*0.00066863[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	33014.0000000	454673	72659200	12407.2000000	26855.7000000	2719650	8704.57000000
Int RSD	*0.60498576*	*2.25661080*	*0.21587906*	*0.80760365*	*0.98662481*	*1.52432114*	*2.64580559*
Int SD	*199.73000000*	*10260.2000000*	*156856*	*100.20100000*	*264.96500000*	*41456.2000000*	*230.30600000*
RelInt Mean	0.01030770	0.01164990	36.41580000	0.00792145	0.01612000	1.35509000	0.00020469
RelInt RSD	*1.20668044*	*2.44654461*	*0.80409602*	*1.11094686*	*2.62863524*	*1.21566833*	*69.37504275*
RelInt SD	*0.00012438*	*0.00028502*	*0.29281800*	*0.00008800*	*0.00042374*	*0.01647340*	*0.00014200*
Conc Mean	0.06666790[mg/l]	0.39632800[mg/l]	>123.68300000[mg/l]	1.78306000[mg/l]	4.49693000[mg/l]	0.92188300[mg/l]	<0.00107972[mg/l]
Conc RSD	*1.20661968*	*2.46908117*	*0.80427868*	*1.75452873*	*2.67482482*	*1.21678131*	*102.70070018*
Conc SD	*0.00080443[mg/l]*	*0.00978566[mg/l]*	*0.99475600[mg/l]*	*0.03128430[mg/l]*	*0.12028500[mg/l]*	*0.01121730[mg/l]*	*0.00110888[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	93102.0000000	43398.9000000	264503	9110.82000000	7413.62000000	12279.0000000	28368.2000000
Int RSD	*0.47541836*	*0.84246375*	*0.18588485*	*0.68523031*	*0.39917476*	*0.32754703*	*1.39777638*
Int SD	*442.62400000*	*365.62000000*	*491.67100000*	*62.43010000*	*29.59330000*	*40.21950000*	*396.52400000*
RelInt Mean	0.09957990	0.01535570	0.12641700	0.00027974	-0.00001108	0.00196579	0.02186440
RelInt RSD	*1.25390767*	*0.53405120*	*0.70934289*	*7.89583184*	*254.11738169*	*1.46934311*	*2.52220047*
RelInt SD	*0.00124864*	*0.00008201*	*0.00089673*	*0.00002209*	*0.00002817*	*0.00002888*	*0.00055146*
Conc Mean	5.85270000[mg/l]	0.12203000[mg/l]	3.81032000[mg/l]	0.01501030[mg/l]	<-0.00193032[mg/l]	0.03709800[mg/l]	0.02153880[mg/l]
Conc RSD	*1.50120628*	*0.53840285*	*0.70930001*	*8.09330926*	*112.84761076*	*1.54801337*	*2.58334262*
Conc SD	*0.08786110[mg/l]*	*0.00065701[mg/l]*	*0.02702660[mg/l]*	*0.00121483[mg/l]*	*0.00217832[mg/l]*	*0.00057428[mg/l]*	*0.00055642[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	724329	7045.30000000	22253.1000000	2009950	33341100	687994	2777490
Int RSD	*1.47484085*	*0.67173293*	*1.20196737*	*0.75801886*	*0.24469079*	*0.75361994*	*0.81345747*
Int SD	*10682.7000000*	*47.32560000*	*267.47500000*	*15235.8000000*	*81582.6000000*	*5184.86000000*	*22593.7000000*
RelInt Mean	0.01937130	-0.00025792	0.00009400	---	---	---	1.38817000
RelInt RSD	*1.75025424*	*5.32812500*	*3.74055311*	---	---	---	*0.19213353*
RelInt SD	*0.00033905*	*0.00001374*	*0.00000352*	---	---	---	*0.00266714*
Conc Mean	0.17971200[mg/l]	<-0.01456270[mg/l]	0.00758417[mg/l]	1994790	33239400	674203	4.59046000[mg/l]
Conc RSD	*1.75980458*	*7.32686933*	*7.76509493*	---	---	---	*0.19195113*
Conc SD	*0.00316258[mg/l]*	*0.00106699[mg/l]*	*0.00058892[mg/l]*	*15179.6000000*	*81525.8000000*	*5350.01000000*	*0.00881144[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6251.33000000	25382.2000000	589910	75589.9000000	12394.2000000	95099.1000000	
Int RSD	*3.30305711*	*0.75517883*	*2.56696784*	*0.55356470*	*0.40442223*	*0.25555657*	
Int SD	*206.48500000*	*191.68100000*	*15142.8000000*	*418.43900000*	*50.12490000*	*243.03200000*	
RelInt Mean	-0.00034200	0.00116516	0.28848400	0.03434730	-0.00014566	0.04411050	
RelInt RSD	*100.99268135*	*9.76681314*	*3.19850321*	*1.28100025*	*44.19844708*	*1.05566475*	
RelInt SD	*0.00034540*	*0.00011380*	*0.00922717*	*0.00043999*	*0.00006438*	*0.00046566*	
Conc Mean	<-0.00012876[mg/l]	<-0.00010539[mg/l]	4.94063000[mg/l]	1.24220000[mg/l]	<-0.00091705[mg/l]	4.24193000[mg/l]	
Conc RSD	*630.88453443*	*668.97588932*	*3.21438764*	*1.28763484*	*27.27896267*	*1.05352988*	
Conc SD	*0.00081231[mg/l]*	*0.00070503[mg/l]*	*0.15881100[mg/l]*	*0.01599500[mg/l]*	*0.00025016[mg/l]*	*0.04469000[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-010	Client ID:	AFRAME-C9E-LAT-L2-INT-0.5 TO 1-231023-L-FB
Seqnum:	483428236118.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:23
Cal:	483428236001	Caldate:	24-OCT-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	6.342	320	0.50	0.17	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	1964440	-3.28

!=warning -=low bias <=opening a=ICSA u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-010,325074			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:23:50	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	75266.0000000	41490.7000000	7968.28000000	17493.3000000	26484.4000000	946713	16963.6000000
Int RSD	*0.13475141*	*0.80700253*	*0.59470551*	*0.97495613*	*0.76398182*	*0.16018054*	*0.73799783*
Int SD	*101.42200000*	*334.83100000*	*47.38780000*	*170.55200000*	*202.33600000*	*1516.45000000*	*125.19100000*
RelInt Mean	-0.00012366	0.03666490	0.00023653	0.00235886	0.00691152	1.41717000	0.00245402
RelInt RSD	*5.47210182*	*1.27842160*	*14.85733371*	*4.37948840*	*2.63259023*	*0.13575294*	*4.97326835*
RelInt SD	*0.00000677*	*0.00046873*	*0.00003514*	*0.00010331*	*0.00018195*	*0.00192385*	*0.00012205*
Conc Mean	<-0.00659343[mg/l]	3.54427000[mg/l]	0.02002440[mg/l]	0.01694250[mg/l]	0.02142950[mg/l]	54.98580000[mg/l]	0.01312760[mg/l]
Conc RSD	*4.26758152*	*1.29550796*	*11.00807015*	*8.24671684*	*2.65999673*	*0.13622426*	*5.05406929*
Conc SD	*0.00028138[mg/l]*	*0.04591630[mg/l]*	*0.00220430[mg/l]*	*0.00139720[mg/l]*	*0.00057002[mg/l]*	*0.07490400[mg/l]*	*0.00066348[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	22933.5000000	397081	51050500	12996.4000000	27453.8000000	1496260	10717.2000000
Int RSD	*1.68834674*	*2.32626844*	*0.48002272*	*0.93339694*	*0.82065871*	*1.51646104*	*2.16208525*
Int SD	*387.19700000*	*9237.17000000*	*245054*	*121.30800000*	*225.30200000*	*22690.2000000*	*231.71500000*
RelInt Mean	0.00554301	0.01014040	26.18970000	0.00905453	0.01749770	0.75966400	-0.00076402
RelInt RSD	*3.70421486*	*2.43288233*	*2.05244046*	*2.50473520*	*2.18181247*	*1.42715727*	*18.98816520*
RelInt SD	*0.00020533*	*0.00024670*	*0.53752800*	*0.00022679*	*0.00038177*	*0.01084160*	*0.00014507*
Conc Mean	0.03585080[mg/l]	0.34449900[mg/l]	88.94990000[mg/l]	2.18583000[mg/l]	4.88803000[mg/l]	0.51645900[mg/l]	<-0.00648489[mg/l]
Conc RSD	*3.70412934*	*2.45856447*	*2.05255992*	*3.68810932*	*2.21706904*	*1.42933708*	*17.46937882*
Conc SD	*0.00132796[mg/l]*	*0.00846973[mg/l]*	*1.82575000[mg/l]*	*0.08061580[mg/l]*	*0.10837100[mg/l]*	*0.00738194[mg/l]*	*0.00113287[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	98709.1000000	32664.6000000	423024	15349.0000000	7631.04000000	14285.3000000	52220.2000000
Int RSD	*1.49032865*	*0.48160088*	*0.60272703*	*1.03267965*	*0.35618998*	*0.09229768*	*0.26772207*
Int SD	*1471.09000000*	*157.31300000*	*2549.68000000*	*158.50600000*	*27.18100000*	*13.18500000*	*139.80500000*
RelInt Mean	0.11012900	0.01000280	0.21035600	-0.00104785	-0.00003855	0.00294328	0.05855850
RelInt RSD	*2.20155454*	*2.12805414*	*1.13444827*	*4.54076442*	*103.71841230*	*1.88807045*	*0.32142900*
RelInt SD	*0.00242455*	*0.00021287*	*0.00238638*	*0.00004758*	*0.00003998*	*0.00005557*	*0.00018822*
Conc Mean	6.59503000[mg/l]	0.07914050[mg/l]	6.34179000[mg/l]	<-0.05790080[mg/l]	<-0.00405472[mg/l]	0.05653030[mg/l]	0.05856100[mg/l]
Conc RSD	*2.58693289*	*2.15524289*	*1.13356481*	*4.51142299*	*76.26864494*	*1.95431477*	*0.32423627*
Conc SD	*0.17060900[mg/l]*	*0.00170567[mg/l]*	*0.07188830[mg/l]*	*0.00261215[mg/l]*	*0.00309248[mg/l]*	*0.00110478[mg/l]*	*0.00018988[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	856588	7265.97000000	22000.0000000	1964440	32685200	676164	138031000
Int RSD	*2.07612061*	*0.43753002*	*0.46192727*	*1.57839893*	*0.70342540*	*0.20836365*	*0.13499649*
Int SD	*17783.8000000*	*31.79080000*	*101.62400000*	*31006.7000000*	*229916*	*1408.88000000*	*186337*
RelInt Mean	0.02366220	-0.00025737	0.00010029	---	---	---	70.80710000
RelInt RSD	*2.56511229*	*11.06980503*	*4.75582833*	---	---	---	*1.44587195*
RelInt SD	*0.00060696*	*0.00002849*	*0.00000477*	---	---	---	*1.02378000*
Conc Mean	0.21973600[mg/l]	<-0.01460140[mg/l]	0.00863964[mg/l]	1948970	32583500	662513	>234.21100000[mg/l]
Conc RSD	*2.57643263*	*15.12902872*	*9.24744550*	---	---	---	*1.44592696*
Conc SD	*0.00566135[mg/l]*	*0.00220905[mg/l]*	*0.00079895[mg/l]*	*31018.2000000*	*229677*	*1413.70000000*	*3.38652000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6172.05000000	24953.4000000	789397	75334.7000000	12889.9000000	91118.6000000	
Int RSD	*2.29793991*	*0.34937764*	*1.32724092*	*0.27164507*	*0.76536668*	*0.26412390*	
Int SD	*141.83000000*	*87.18160000*	*10477.2000000*	*204.64300000*	*98.65500000*	*240.66600000*	
RelInt Mean	-0.00040457	0.00099053	0.39598500	0.03495560	0.00002335	0.04296320	
RelInt RSD	*59.30325681*	*19.71903930*	*2.91629733*	*1.54887057*	*97.47654065*	*1.42547343*	
RelInt SD	*0.00023992*	*0.00019532*	*0.01154810*	*0.00054142*	*0.00002276*	*0.00061243*	
Conc Mean	<-0.00027590[mg/l]	<-0.00118730[mg/l]	6.79126000[mg/l]	1.26432000[mg/l]	<-0.00027007[mg/l]	4.13183000[mg/l]	
Conc RSD	*204.51436587*	*101.91948118*	*2.92693845*	*1.55689224*	*31.28380580*	*1.42244236*	
Conc SD	*0.00056425[mg/l]*	*0.00121009[mg/l]*	*0.19877600[mg/l]*	*0.01968410[mg/l]*	*0.00008449[mg/l]*	*0.05877290[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-017	Client ID:	AFRAME-C9E-MED-L2-DN-C9.5-DG-231023-L-LA
Seqnum:	483428236124.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:45
Cal:	483428236001	Caldate:	24-OCT-2023		
IDF:	10.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.142	570	**2.2**	0.17	**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	2163840	6.54

u=use y=RL raised

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-017,325074, 10x			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:45:36	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	76770.7000000	18517.5000000	5464.26000000	12993.0000000	16138.8000000	36116.6000000	12132.3000000
Int RSD	*0.53421944*	*0.76731200*	*1.02444796*	*0.39770954*	*0.50984770*	*0.30024144*	*1.18058406*
Int SD	*410.12400000*	*142.08700000*	*55.97850000*	*51.67440000*	*82.28330000*	*108.43700000*	*143.23200000*
RelInt Mean	0.00003683	0.00509539	-0.00004009	0.00052864	0.00193323	0.04144860	0.00031043
RelInt RSD	*15.85818849*	*8.00659027*	*80.31341504*	*8.75504363*	*3.65175897*	*1.88377171*	*14.68188876*
RelInt SD	*0.00000584*	*0.00040797*	*0.00003220*	*0.00004628*	*0.00007060*	*0.00078080*	*0.00004558*
Conc Mean	<0.00008021[mg/l]	0.45190800[mg/l]	<0.00269631[mg/l]	<-0.00781229[mg/l]	0.00585877[mg/l]	1.47368000[mg/l]	0.00173394[mg/l]
Conc RSD	*302.81759504*	*8.84290608*	*74.91720166*	*8.01293859*	*3.76957962*	*2.06113267*	*14.39940252*
Conc SD	*0.00024288[mg/l]*	*0.03996180[mg/l]*	*0.00202000[mg/l]*	*0.00062599[mg/l]*	*0.00022085[mg/l]*	*0.03037450[mg/l]*	*0.00024968[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	13666.7000000	138032	4926480	8886.79000000	18067.9000000	186817	7314.85000000
Int RSD	*1.45468913*	*0.95732874*	*1.00443116*	*1.59570554*	*0.66870527*	*0.79186048*	*0.75310499*
Int SD	*198.80800000*	*1321.42000000*	*49483.1000000*	*141.80700000*	*120.82100000*	*1479.33000000*	*55.08850000*
RelInt Mean	0.00094354	0.00191684	2.28478000	0.00189940	0.00215577	0.08035550	0.00006715
RelInt RSD	*7.74675503*	*4.19021410*	*0.31711543*	*11.74218174*	*6.87744982*	*1.02391622*	*22.37753282*
RelInt SD	*0.00007309*	*0.00008032*	*0.00724539*	*0.00022303*	*0.00014826*	*0.00082277*	*0.00001503*
Conc Mean	0.00610258[mg/l]	0.06215950[mg/l]	7.75672000[mg/l]	<-0.35754900[mg/l]	0.53276500[mg/l]	0.05391880[mg/l]	<0.00000569[mg/l]
Conc RSD	*7.74706763*	*4.43645782*	*0.31720624*	*22.17270920*	*7.89989958*	*1.03899567*	*2063.12868906*
Conc SD	*0.00047277[mg/l]*	*0.00275768[mg/l]*	*0.02460480[mg/l]*	*0.07927830[mg/l]*	*0.04208790[mg/l]*	*0.00056021[mg/l]*	*0.00011734[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	33755.7000000	16658.4000000	93087.6000000	8005.99000000	6125.19000000	6157.68000000	16484.4000000
Int RSD	*0.52966166*	*0.13957943*	*0.29824166*	*0.99848613*	*0.16234076*	*0.52668700*	*0.32380432*
Int SD	*178.79100000*	*23.25170000*	*277.62600000*	*79.93870000*	*9.94368000*	*32.43170000*	*53.37720000*
RelInt Mean	0.00957337	0.00208201	0.03780220	0.00002639	0.00000972	0.00024944	0.00303756
RelInt RSD	*1.16582771*	*3.14809727*	*1.60391459*	*120.49330328*	*41.92870414*	*5.29914530*	*3.20048657*
RelInt SD	*0.00011161*	*0.00006554*	*0.00060632*	*0.00003180*	*0.00000408*	*0.00001322*	*0.00009722*
Conc Mean	<-0.48109700[mg/l]	0.01567680[mg/l]	1.14217000[mg/l]	<0.00141733[mg/l]	<-0.00032130[mg/l]	0.00297709[mg/l]	0.00254360[mg/l]
Conc RSD	*1.63247952*	*3.34996300*	*1.60128527*	*123.43349820*	*98.10739985*	*8.82674021*	*3.85601510*
Conc SD	*0.00785381[mg/l]*	*0.00052517[mg/l]*	*0.01828940[mg/l]*	*0.00174946[mg/l]*	*0.00031522[mg/l]*	*0.00026278[mg/l]*	*0.00009808[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	164821	5518.02000000	20774.3000000	2163840	36278500	706350	1702300
Int RSD	*2.31326105*	*0.34401833*	*1.53449214*	*1.30480535*	*1.27806276*	*1.81680470*	*1.13462962*
Int SD	*3812.74000000*	*18.98300000*	*318.78000000*	*28233.9000000*	*463662*	*12833.0000000*	*19314.8000000*
RelInt Mean	0.00224113	-0.00008173	0.00004930	---	---	---	0.78825900
RelInt RSD	*3.10487567*	*8.34956956*	*7.28457046*	---	---	---	*0.29829536*
RelInt SD	*0.00006958*	*0.00000682*	*0.00000359*	---	---	---	*0.00235134*
Conc Mean	0.01992490[mg/l]	<-0.00048754[mg/l]	<0.00010036[mg/l]	2149710	36172500	691806	2.60614000[mg/l]
Conc RSD	*3.25737143*	*108.44426486*	*599.06638901*	---	---	---	*0.29846977*
Conc SD	*0.00064903[mg/l]*	*0.00052871[mg/l]*	*0.00060124[mg/l]*	*28231.4000000*	*463463*	*12855.4000000*	*0.00777854[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6559.67000000	26063.2000000	92067.4000000	12379.3000000	11812.2000000	15161.1000000	
Int RSD	*0.80894923*	*0.43284785*	*1.81169448*	*0.14738636*	*0.53384044*	*0.83028276*	
Int SD	*53.06440000*	*112.81400000*	*1667.98000000*	*18.24540000*	*63.05830000*	*125.88000000*	
RelInt Mean	-0.00040081	0.00039751	0.03698310	0.00340849	0.00016571	0.00427243	
RelInt RSD	*30.64227600*	*51.55894665*	*2.41742850*	*1.56083779*	*42.45812011*	*2.60289812*	
RelInt SD	*0.00012282*	*0.00020495*	*0.00089404*	*0.00005320*	*0.00007036*	*0.00011121*	
Conc Mean	<-0.00026706[mg/l]	<-0.00486123[mg/l]	0.61146400[mg/l]	0.11759100[mg/l]	<0.00035680[mg/l]	0.41866400[mg/l]	
Conc RSD	*108.15743456*	*26.11972690*	*2.51730274*	*1.64458164*	*79.11910201*	*2.54929968*	
Conc SD	*0.00028884[mg/l]*	*0.00126974[mg/l]*	*0.01539240[mg/l]*	*0.00193388[mg/l]*	*0.00028229[mg/l]*	*0.01067300[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-018	Client ID:	AFRAME-C10E-MED-L2-INT-0 TO 0.5-231023-L-FB
Seqnum:	483428236125.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:48
Cal:	483428236001	Caldate:	24-OCT-2023		
IDF:	10.0	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	1.134	570	**2.2**	0.17	**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	2171660	6.92

u=use y=RL raised

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-018,325074, 10x			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:48:53	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	76231.8000000	17469.7000000	5358.19000000	13111.1000000	14614.7000000	29509.7000000	12046.4000000
Int RSD	*0.80089674*	*0.49721232*	*0.69805102*	*0.55522725*	*0.38722930*	*0.61769520*	*0.51144408*
Int SD	*610.53800000*	*86.86150000*	*37.40290000*	*72.79640000*	*56.59240000*	*182.28000000*	*61.61060000*
RelInt Mean	0.00003743	0.00409038	-0.00005628	0.00057755	0.00123442	0.03210100	0.00025594
RelInt RSD	*37.26150813*	*0.83242144*	*46.65178849*	*4.98425236*	*1.26373520*	*0.75624747*	*9.72771175*
RelInt SD	*0.00001395*	*0.00003405*	*0.00002626*	*0.00002879*	*0.00001560*	*0.00024276*	*0.00002490*
Conc Mean	<0.00010492[mg/l]	0.35346400[mg/l]	<0.00168198[mg/l]	<-0.00715077[mg/l]	0.00367776[mg/l]	1.11008000[mg/l]	0.00143226[mg/l]
Conc RSD	*552.68003507*	*0.94350203*	*97.91971367*	*5.44489614*	*1.33408923*	*0.85074859*	*9.54826638*
Conc SD	*0.00057989[mg/l]*	*0.00333494[mg/l]*	*0.00164699[mg/l]*	*0.00038935[mg/l]*	*0.00004906[mg/l]*	*0.00944399[mg/l]*	*0.00013676[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	13298.0000000	122081	5887400	8604.56000000	17577.1000000	199385	7177.99000000
Int RSD	*0.33524214*	*1.27359704*	*0.99250773*	*1.04521440*	*1.20777603*	*0.94527673*	*0.17054635*
Int SD	*44.58050000*	*1554.82000000*	*58432.9000000*	*89.93610000*	*212.29200000*	*1884.74000000*	*12.24180000*
RelInt Mean	0.00075338	0.00151157	2.72189000	0.00188639	0.00190794	0.08586530	0.00002114
RelInt RSD	*4.37249215*	*4.05940181*	*0.50912785*	*5.58251475*	*18.71699320*	*1.82160896*	*68.86238593*
RelInt SD	*0.00003294*	*0.00006136*	*0.01385790*	*0.00010531*	*0.00035711*	*0.00156413*	*0.00001456*
Conc Mean	0.00487271[mg/l]	0.04824530[mg/l]	9.24137000[mg/l]	<-0.36217500[mg/l]	0.46241300[mg/l]	0.05767040[mg/l]	<-0.00035361[mg/l]
Conc RSD	*4.37257707*	*4.36676733*	*0.50940499*	*10.33541796*	*21.92325908*	*1.84675327*	*32.14539223*
Conc SD	*0.00021306[mg/l]*	*0.00210676[mg/l]*	*0.04707600[mg/l]*	*0.03743230[mg/l]*	*0.10137600[mg/l]*	*0.00106503[mg/l]*	*0.00011367[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	32585.1000000	16299.7000000	92827.1000000	7893.52000000	6026.67000000	6422.36000000	15935.6000000
Int RSD	*0.35031349*	*0.18125303*	*0.28915802*	*0.41138681*	*0.45127575*	*0.34072366*	*1.39988454*
Int SD	*114.15000000*	*29.54370000*	*268.41700000*	*32.47290000*	*27.19690000*	*21.88250000*	*223.08000000*
RelInt Mean	0.00861254	0.00190068	0.03752990	0.00000529	-0.00000207	0.00045011	0.00279319
RelInt RSD	*2.50615962*	*1.48332702*	*1.12113009*	*363.40865860*	*638.70145666*	*3.56528250*	*10.25257859*
RelInt SD	*0.00021584*	*0.00002819*	*0.00042076*	*0.00001924*	*0.00001323*	*0.00001605*	*0.00028637*
Conc Mean	<-0.54871100[mg/l]	0.01422390[mg/l]	1.13395000[mg/l]	<0.00026288[mg/l]	<-0.00123335[mg/l]	0.00696637[mg/l]	0.00229704[mg/l]
Conc RSD	*2.76806917*	*1.58786971*	*1.11885886*	*402.83932912*	*82.98212186*	*4.57958736*	*12.57857939*
Conc SD	*0.01518870[mg/l]*	*0.00022586[mg/l]*	*0.01268730[mg/l]*	*0.00105898[mg/l]*	*0.00102346[mg/l]*	*0.00031903[mg/l]*	*0.00028893[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	170669	5434.59000000	20478.5000000	2171660	35850200	708966	1473100
Int RSD	*6.70813094*	*0.19362454*	*1.47386771*	*0.78571692*	*1.99001400*	*0.71668317*	*0.86703550*
Int SD	*11448.7000000*	*10.52270000*	*301.82600000*	*17063.1000000*	*713424*	*5081.04000000*	*12772.3000000*
RelInt Mean	0.00245143	-0.00008028	0.00004954	---	---	---	0.67920200
RelInt RSD	*11.60640932*	*11.17586611*	*1.67390264*	---	---	---	*0.55980842*
RelInt SD	*0.00028452*	*0.00000897*	*0.00000083*	---	---	---	*0.00380223*
Conc Mean	0.02188650[mg/l]	<-0.00037928[mg/l]	<0.00014209[mg/l]	2157490	35744500	694715	2.24541000[mg/l]
Conc RSD	*12.12596806*	*182.58415265*	*97.68450094*	---	---	---	*0.56021395*
Conc SD	*0.00265395[mg/l]*	*0.00069251[mg/l]*	*0.00013880[mg/l]*	*17177.7000000*	*712956*	*5058.82000000*	*0.01257910[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6381.93000000	25449.8000000	92336.3000000	12525.2000000	11686.7000000	15296.5000000	
Int RSD	*2.44086037*	*0.73615903*	*2.46188119*	*0.51585923*	*0.52621613*	*0.67274867*	
Int SD	*155.77400000*	*187.35100000*	*2273.21000000*	*64.61240000*	*61.49730000*	*102.90700000*	
RelInt Mean	-0.00042745	0.00027039	0.03699920	0.00350814	0.00008033	0.00433246	
RelInt RSD	*34.66283001*	*126.20882738*	*3.49204848*	*1.09434914*	*48.51495132*	*1.94400179*	
RelInt SD	*0.00014817*	*0.00034125*	*0.00129203*	*0.00003839*	*0.00003897*	*0.00008422*	
Conc Mean	<-0.00032973[mg/l]	<-0.00564881[mg/l]	0.61175000[mg/l]	0.12121400[mg/l]	<0.00002234[mg/l]	0.42442500[mg/l]	
Conc RSD	*105.68261430*	*37.42664384*	*3.63548835*	*1.15140990*	*717.86548948*	*1.90429169*	
Conc SD	*0.00034846[mg/l]*	*0.00211416[mg/l]*	*0.02224010[mg/l]*	*0.00139567[mg/l]*	*0.00016034[mg/l]*	*0.00808229[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-019	Client ID:	AFRAME-C11E-MED-L2-EXT-0 TO 1-231023-L-WF
Seqnum:	483428236126.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:52
Cal:	483428236001	Caldate:	24-OCT-2023		
IDF:	10.0	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	1.251	630	**2.2**	0.17	**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	2143690	5.54

u=use y=RL raised

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-019,325074, 10x			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:52:08	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	76045.3000000	17371.4000000	5313.24000000	13013.0000000	13884.0000000	31905.2000000	12540.7000000
Int RSD	*0.51659866*	*0.83230482*	*1.29083196*	*0.59297856*	*1.04704696*	*0.84180008*	*0.98343793*
Int SD	*392.84900000*	*144.58300000*	*68.58500000*	*77.16430000*	*145.37200000*	*268.57800000*	*123.33000000*
RelInt Mean	0.00003540	0.00394128	-0.00006818	0.00055750	0.00094851	0.03540420	0.00057071
RelInt RSD	*21.15218699*	*6.93109853*	*37.71427649*	*8.93872836*	*3.44069482*	*1.70428650*	*7.09598345*
RelInt SD	*0.00000749*	*0.00027317*	*0.00002571*	*0.00004983*	*0.00003264*	*0.00060339*	*0.00004050*
Conc Mean	<0.00002052[mg/l]	0.33885900[mg/l]	<0.00093315[mg/l]	<-0.00742189[mg/l]	0.00278383[mg/l]	1.23857000[mg/l]	0.00316043[mg/l]
Conc RSD	*1517.44659281*	*7.89667679*	*172.84359428*	*9.08150080*	*3.64792390*	*1.89504832*	*7.03290375*
Conc SD	*0.00031133[mg/l]*	*0.02675860[mg/l]*	*0.00161289[mg/l]*	*0.00067402[mg/l]*	*0.00010155[mg/l]*	*0.02347150[mg/l]*	*0.00022227[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	14045.9000000	112623	7016020	8611.79000000	17512.6000000	254150	7202.19000000
Int RSD	*0.32951609*	*1.11266793*	*0.44126157*	*1.09586857*	*0.44709866*	*0.86169585*	*0.28683359*
Int SD	*46.28350000*	*1253.12000000*	*30959.0000000*	*94.37390000*	*78.29860000*	*2190.00000000*	*20.65830000*
RelInt Mean	0.00117381	0.00126337	3.28747000	0.00179003	0.00182639	0.11272700	0.00005726
RelInt RSD	*3.55159694*	*4.00968046*	*0.24490444*	*0.47895175*	*8.08146124*	*1.35235569*	*29.32649401*
RelInt SD	*0.00004169*	*0.00005066*	*0.00805116*	*0.00000857*	*0.00014760*	*0.00152447*	*0.00001679*
Conc Mean	0.00759195[mg/l]	0.03972390[mg/l]	11.16240000[mg/l]	<-0.39642600[mg/l]	0.43926200[mg/l]	0.07596060[mg/l]	<-0.00007156[mg/l]
Conc RSD	*3.55149863*	*4.37827102*	*0.24481294*	*0.76905904*	*9.53874908*	*1.36656372*	*183.24936588*
Conc SD	*0.00026963[mg/l]*	*0.00173922[mg/l]*	*0.02732700[mg/l]*	*0.00304875[mg/l]*	*0.04190010[mg/l]*	*0.00103805[mg/l]*	*0.00013113[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	33469.9000000	15340.0000000	99916.0000000	7884.47000000	6032.75000000	6139.03000000	15801.3000000
Int RSD	*0.87501008*	*0.38137093*	*0.44897814*	*0.61686581*	*0.50941942*	*0.77214153*	*0.88719283*
Int SD	*292.86500000*	*58.50230000*	*448.60100000*	*48.63660000*	*30.73200000*	*47.40200000*	*140.18800000*
RelInt Mean	0.00976474	0.00149973	0.04141510	0.00003248	-0.00000225	0.00032831	0.00256291
RelInt RSD	*2.72420976*	*1.72527722*	*1.07826614*	*119.00516291*	*580.58804426*	*4.35077395*	*5.98440835*
RelInt SD	*0.00026601*	*0.00002587*	*0.00044657*	*0.00003865*	*0.00001305*	*0.00001428*	*0.00015338*
Conc Mean	<-0.46763000[mg/l]	0.01101150[mg/l]	1.25104000[mg/l]	<0.00174378[mg/l]	<-0.00124696[mg/l]	0.00454502[mg/l]	0.00206470[mg/l]
Conc RSD	*4.00299382*	*1.88284975*	*1.07604073*	*122.13467295*	*80.94405594*	*6.24782729*	*7.49508403*
Conc SD	*0.01871920[mg/l]*	*0.00020733[mg/l]*	*0.01346170[mg/l]*	*0.00212976[mg/l]*	*0.00100934[mg/l]*	*0.00028396[mg/l]*	*0.00015475[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	158906	5400.67000000	20521.3000000	2143690	35419900	709659	823202
Int RSD	*1.70832442*	*0.20941661*	*0.92682725*	*0.50274060*	*0.42603734*	*0.96149841*	*0.46629017*
Int SD	*2714.63000000*	*11.30990000*	*190.19700000*	*10777.2000000*	*150902*	*6823.36000000*	*3838.51000000*
RelInt Mean	0.00215708	-0.00010061	0.00004720	---	---	---	0.38300000
RelInt RSD	*2.70211119*	*7.26807669*	*6.68221893*	---	---	---	*0.82520627*
RelInt SD	*0.00005829*	*0.00000731*	*0.00000315*	---	---	---	*0.00316054*
Conc Mean	0.01914090[mg/l]	<-0.00195024[mg/l]	<-0.00025119[mg/l]	2129630	35315100	695398	1.26565000[mg/l]
Conc RSD	*2.84020083*	*29.04965543*	*210.20542219*	---	---	---	*0.82632639*
Conc SD	*0.00054364[mg/l]*	*0.00056654[mg/l]*	*0.00052801[mg/l]*	*10710.1000000*	*150699*	*6897.52000000*	*0.01045840[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6484.99000000	25721.5000000	84697.0000000	12519.9000000	11645.6000000	15300.6000000	
Int RSD	*2.10154526*	*0.93724316*	*3.78714712*	*1.37108124*	*0.42371454*	*0.87655386*	
Int SD	*136.28500000*	*241.07300000*	*3207.60000000*	*171.65800000*	*49.34410000*	*134.11800000*	
RelInt Mean	-0.00025940	0.00048890	0.03397880	0.00354457	0.00013344	0.00440778	
RelInt RSD	*39.91896778*	*57.80024995*	*4.84537417*	*2.59468708*	*29.35748329*	*0.93583391*	
RelInt SD	*0.00010355*	*0.00028259*	*0.00164640*	*0.00009197*	*0.00003918*	*0.00004125*	
Conc Mean	<0.00006550[mg/l]	<-0.00429505[mg/l]	0.55975200[mg/l]	0.12253800[mg/l]	<0.00023542[mg/l]	0.43165300[mg/l]	
Conc RSD	*371.79134874*	*40.76110872*	*5.06309937*	*2.72832917*	*68.28465355*	*0.91713714*	
Conc SD	*0.00024353[mg/l]*	*0.00175071[mg/l]*	*0.02834080[mg/l]*	*0.00334324[mg/l]*	*0.00016075[mg/l]*	*0.00395885[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-021	Client ID:	AFRAME-C8E-MED-L1-EXT-2 TO 3-231023-L-WF
Seqnum:	483428236127.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 16:59
Cal:	483428236001	Caldate:	24-OCT-2023		
IDF:	10.0	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	1.166	580	**2.2**	0.17	**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	2137450	5.24

u=use y=RL raised

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-021,325074, 10x			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:59:39	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	75141.0000000	17547.8000000	5226.99000000	12723.3000000	14837.1000000	36630.5000000	12510.4000000
Int RSD	*0.49703491*	*1.37658282*	*0.52899470*	*0.90037176*	*0.69412486*	*1.07700141*	*1.49431673*
Int SD	*373.47700000*	*241.56000000*	*27.65050000*	*114.55700000*	*102.98800000*	*394.51100000*	*186.94500000*
RelInt Mean	0.00003017	0.00423471	-0.00008320	0.00049110	0.00144031	0.04296490	0.00056991
RelInt RSD	*29.98120787*	*2.22059362*	*15.90108428*	*10.73830177*	*3.76472426*	*1.48857789*	*17.48521245*
RelInt SD	*0.00000905*	*0.00009404*	*0.00001323*	*0.00005274*	*0.00005422*	*0.00063957*	*0.00009965*
Conc Mean	<-0.00019677[mg/l]	0.36760100[mg/l]	<-0.00000670[mg/l]	<-0.00832001[mg/l]	0.00432064[mg/l]	1.53266000[mg/l]	0.00315888[mg/l]
Conc RSD	*191.15330277*	*2.50565151*	*12385.3902403*	*8.57298248*	*3.92465005*	*1.62335417*	*17.27558502*
Conc SD	*0.00037614[mg/l]*	*0.00921080[mg/l]*	*0.00082995[mg/l]*	*0.00071327[mg/l]*	*0.00016957[mg/l]*	*0.02488050[mg/l]*	*0.00054572[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	13045.2000000	106838	5524980	8613.24000000	17418.1000000	265617	7053.19000000
Int RSD	*0.02303529*	*0.87969168*	*0.24815474*	*1.58089174*	*0.53821255*	*0.83995753*	*0.39177025*
Int SD	*3.00500000*	*939.84500000*	*13710.5000000*	*136.16600000*	*93.74640000*	*2231.07000000*	*27.63230000*
RelInt Mean	0.00073620	0.00111699	2.59498000	0.00181245	0.00174747	0.11853000	0.00002455
RelInt RSD	*0.88910215*	*2.87606872*	*0.62582371*	*11.00162763*	*4.37293344*	*0.99008690*	*36.78572301*
RelInt SD	*0.00000655*	*0.00003213*	*0.01624000*	*0.00019940*	*0.00007642*	*0.00117355*	*0.00000903*
Conc Mean	0.00476157[mg/l]	0.03469810[mg/l]	8.81034000[mg/l]	<-0.38845700[mg/l]	0.41685800[mg/l]	0.07991130[mg/l]	<-0.00032693[mg/l]
Conc RSD	*0.88911220*	*3.17844493*	*0.62618242*	*18.24662704*	*5.20388238*	*0.99989363*	*21.57460879*
Conc SD	*0.00004234[mg/l]*	*0.00110286[mg/l]*	*0.05516880[mg/l]*	*0.07088030[mg/l]*	*0.02169280[mg/l]*	*0.00079903[mg/l]*	*0.00007053[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	32885.4000000	14906.8000000	93602.3000000	7756.74000000	5970.75000000	6005.15000000	16063.0000000
Int RSD	*1.05430069*	*0.75873427*	*0.43816017*	*0.35813499*	*1.12730561*	*0.45870628*	*0.95035174*
Int SD	*346.71100000*	*113.10300000*	*410.12800000*	*27.77960000*	*67.30860000*	*27.54600000*	*152.65500000*
RelInt Mean	0.00903343	0.00135934	0.03860760	0.00000468	0.00002629	0.00030552	0.00298992
RelInt RSD	*2.55069226*	*4.12965115*	*1.06465825*	*442.73515221*	*79.35860768*	*8.04441608*	*3.02194039*
RelInt SD	*0.00023042*	*0.00005614*	*0.00041104*	*0.00002074*	*0.00002087*	*0.00002458*	*0.00009035*
Conc Mean	<-0.51909300[mg/l]	0.00988649[mg/l]	1.16645000[mg/l]	<0.00022996[mg/l]	<0.00096041[mg/l]	0.00409189[mg/l]	0.00249553[mg/l]
Conc RSD	*3.12354434*	*4.54919795*	*1.06238587*	*496.46241286*	*168.02945412*	*11.94059469*	*3.65289137*
Conc SD	*0.01621410[mg/l]*	*0.00044976[mg/l]*	*0.01239220[mg/l]*	*0.00114166[mg/l]*	*0.00161377[mg/l]*	*0.00048860[mg/l]*	*0.00009116[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	151922	5323.67000000	20086.9000000	2137450	35567800	698332	1340500
Int RSD	*1.87344822*	*0.12960608*	*0.23544798*	*0.78732134*	*0.91476560*	*0.44862759*	*0.39285863*
Int SD	*2846.18000000*	*6.89980000*	*47.29420000*	*16828.6000000*	*325362*	*3132.91000000*	*5266.27000000*
RelInt Mean	0.00197734	-0.00008400	0.00004614	---	---	---	0.62771400
RelInt RSD	*4.54359898*	*23.48154762*	*11.32405050*	---	---	---	*0.40381766*
RelInt SD	*0.00008984*	*0.00001972*	*0.00000523*	---	---	---	*0.00253482*
Conc Mean	0.01746420[mg/l]	<-0.00065647[mg/l]	<-0.00042743[mg/l]	2123470	35463700	684059	2.07510000[mg/l]
Conc RSD	*4.79854789*	*233.30845279*	*204.67308961*	---	---	---	*0.40402053*
Conc SD	*0.00083803[mg/l]*	*0.00153160[mg/l]*	*0.00087483[mg/l]*	*16908.5000000*	*325159*	*3161.28000000*	*0.00838383[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6456.63000000	25630.8000000	94031.5000000	12416.3000000	11555.3000000	15002.6000000	
Int RSD	*2.18598557*	*1.71666901*	*2.13545461*	*1.32529014*	*0.82588423*	*0.91382160*	
Int SD	*141.14100000*	*439.99600000*	*2008.00000000*	*164.55200000*	*95.43340000*	*137.09700000*	
RelInt Mean	-0.00019041	0.00036247	0.03849630	0.00354492	0.00015418	0.00431392	
RelInt RSD	*55.38160161*	*142.44946492*	*2.38681899*	*2.79690374*	*34.08905176*	*2.21977691*	
RelInt SD	*0.00010545*	*0.00051634*	*0.00091884*	*0.00009915*	*0.00005256*	*0.00009576*	
Conc Mean	<0.00022776[mg/l]	<-0.00507832[mg/l]	0.63751900[mg/l]	0.12255000[mg/l]	<0.00032096[mg/l]	0.42264500[mg/l]	
Conc RSD	*108.88507402*	*62.99091038*	*2.48091429*	*2.94062016*	*65.10230215*	*2.17436856*	
Conc SD	*0.00024800[mg/l]*	*0.00319888[mg/l]*	*0.01581630[mg/l]*	*0.00360373[mg/l]*	*0.00020895[mg/l]*	*0.00918986[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	494459-022	Client ID:	AFRAME-C8E-LAT-L1-INT-1 TO 2-231023-L-FB
Seqnum:	483428236128.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	325074	Time:	24-OCT-2023 17:02
Cal:	483428236001	Caldate:	24-OCT-2023		
IDF:	10.0	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	1.057	530	**2.2**	0.17	**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2031070	2131370	4.94

u=use y=RL raised

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 494459-022,325074, 10x | Sample Type: Unknown Sample

Measure Date: 2023-10-24 17:02:54 | Recalculation Date: | State: Measured | Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	75782.0000000	18682.3000000	5287.79000000	12724.2000000	14385.9000000	37146.9000000	12238.9000000
Int RSD	*0.57371276*	*1.80480455*	*0.72423829*	*0.20735528*	*0.93666715*	*0.98654531*	*1.12564855*
Int SD	*434.77100000*	*337.17900000*	*38.29620000*	*26.38430000*	*134.74800000*	*366.47100000*	*137.76700000*
RelInt Mean	0.00001990	0.00569494	-0.00006992	0.00046503	0.00117507	0.04321490	0.00041134
RelInt RSD	*34.64134618*	*6.48891823*	*25.39498656*	*1.98935994*	*9.91013301*	*2.29312806*	*15.21908990*
RelInt SD	*0.00000689*	*0.00036954*	*0.00001776*	*0.00000925*	*0.00011645*	*0.00099097*	*0.00006260*
Conc Mean	<-0.00062381[mg/l]	0.51063600[mg/l]	<0.00082626[mg/l]	<-0.00867255[mg/l]	0.00349533[mg/l]	1.54239000[mg/l]	0.00226713[mg/l]
Conc RSD	*45.95555997*	*7.08882648*	*134.82317914*	*1.44282823*	*10.41644137*	*2.49932896*	*14.90911417*
Conc SD	*0.00028667[mg/l]*	*0.03619810[mg/l]*	*0.00111399[mg/l]*	*0.00012513[mg/l]*	*0.00036409[mg/l]*	*0.03854940[mg/l]*	*0.00033801[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	13100.9000000	99439.1000000	4200840	8723.44000000	17851.4000000	254227	7445.47000000
Int RSD	*0.62008793*	*0.61435793*	*0.83812761*	*2.70692525*	*0.75884805*	*2.41385061*	*0.49257602*
Int SD	*81.23710000*	*610.91200000*	*35208.4000000*	*236.13700000*	*135.46500000*	*6136.66000000*	*36.67460000*
RelInt Mean	0.00074408	0.00091231	1.97710000	0.00187608	0.00216995	0.11352500	-0.00008115
RelInt RSD	*1.79672402*	*3.98622171*	*0.25877801*	*10.94526886*	*5.30136639*	*3.06461132*	*18.21328582*
RelInt SD	*0.00001337*	*0.00003637*	*0.00511630*	*0.00020534*	*0.00011504*	*0.00347910*	*0.00001478*
Conc Mean	0.00481255[mg/l]	0.02767060[mg/l]	6.71169000[mg/l]	<-0.36583900[mg/l]	0.53679100[mg/l]	0.07650410[mg/l]	<-0.00115238[mg/l]
Conc RSD	*1.79674601*	*4.51237053*	*0.25889158*	*19.95170006*	*6.08372719*	*3.09634386*	*10.01596696*
Conc SD	*0.00008647[mg/l]*	*0.00124860[mg/l]*	*0.01737600[mg/l]*	*0.07299110[mg/l]*	*0.03265690[mg/l]*	*0.00236883[mg/l]*	*0.00011542[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	32983.3000000	15374.9000000	85808.6000000	8506.58000000	5968.38000000	6053.97000000	16368.4000000
Int RSD	*0.43140620*	*1.35814867*	*0.51557420*	*0.59540262*	*0.46146693*	*0.07766606*	*1.39214584*
Int SD	*142.29200000*	*208.81400000*	*442.40700000*	*50.64840000*	*27.54210000*	*4.70188000*	*227.87200000*
RelInt Mean	0.00880042	0.00153667	0.03496640	-0.00009923	-0.00000731	0.00030626	0.00321120
RelInt RSD	*0.66362969*	*4.33989080*	*1.38480656*	*18.04652813*	*246.96488683*	*0.84670692*	*9.27320005*
RelInt SD	*0.00005840*	*0.00006669*	*0.00048422*	*0.00001791*	*0.00001805*	*0.00000259*	*0.00029778*
Conc Mean	<-0.53549000[mg/l]	0.01130740[mg/l]	1.05669000[mg/l]	<-0.00549171[mg/l]	<-0.00163831[mg/l]	0.00410666[mg/l]	0.00271879[mg/l]
Conc RSD	*0.76740555*	*4.72556025*	*1.38101051*	*17.96303883*	*85.19938229*	*1.25521470*	*11.05050408*
Conc SD	*0.00410938[mg/l]*	*0.00053434[mg/l]*	*0.01459300[mg/l]*	*0.00098648[mg/l]*	*0.00139583[mg/l]*	*0.00005155[mg/l]*	*0.00030044[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	204140	5375.70000000	20375.0000000	2131370	35288100	702460	30152400
Int RSD	*6.35656902*	*0.46135387*	*1.46657669*	*0.90932123*	*1.09641210*	*1.67165390*	*1.54091217*
Int SD	*12976.3000000*	*24.80100000*	*298.81500000*	*19381.0000000*	*386903*	*11742.7000000*	*464622*
RelInt Mean	0.00344828	-0.00008219	0.00005090	---	---	---	14.23650000
RelInt RSD	*10.78192606*	*9.71960695*	*10.04279088*	---	---	---	*2.18806589*
RelInt SD	*0.00037179*	*0.00000799*	*0.00000511*	---	---	---	*0.31150400*
Conc Mean	0.03118490[mg/l]	<-0.00054839[mg/l]	<0.00036919[mg/l]	2117330	35184000	688042	>47.08950000[mg/l]
Conc RSD	*11.12057438*	*113.08254937*	*231.79057824*	---	---	---	*2.18808864*
Conc SD	*0.00346794[mg/l]*	*0.00062013[mg/l]*	*0.00085574[mg/l]*	*19390.6000000*	*386418*	*11901.6000000*	*1.03036000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6556.43000000	25809.0000000	114015	12973.9000000	11622.9000000	15801.3000000	
Int RSD	*0.90075392*	*1.06867759*	*1.58354602*	*0.16887674*	*0.44327577*	*0.18333618*	
Int SD	*59.05730000*	*275.81500000*	*1805.48000000*	*21.90990000*	*51.52150000*	*28.96950000*	
RelInt Mean	-0.00036083	0.00032676	0.04785770	0.00380121	0.00010869	0.00469625	
RelInt RSD	*46.53149795*	*68.98292947*	*0.81587080*	*1.00193096*	*24.31637929*	*1.03459356*	
RelInt SD	*0.00016790*	*0.00022541*	*0.00039046*	*0.00003809*	*0.00002643*	*0.00004859*	
Conc Mean	<-0.00017304[mg/l]	<-0.00529955[mg/l]	0.79867800[mg/l]	0.13186700[mg/l]	<0.00013775[mg/l]	0.45933800[mg/l]	
Conc RSD	*228.19373331*	*26.35110528*	*0.84118881*	*1.04993668*	*78.77967332*	*1.01516966*	
Conc SD	*0.00039487[mg/l]*	*0.00139649[mg/l]*	*0.00671839[mg/l]*	*0.00138452[mg/l]*	*0.00010852[mg/l]*	*0.00466306[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 494459 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET06	Inst:	MET06
Seqnum:	483428236121.2	Seqnum:	483428236122.2
File:	met06_master011	File:	met06_master011
IDF:	1.0	IDF:	1.0
Lab ID:	QC1102279	Lab ID:	QC1102280
Matrix:	Wipe	Matrix:	Wipe
Batch:	325074	Batch:	325074
Time:	24-OCT-2023 16:35	Time:	24-OCT-2023 16:39
Cal:	483428236001	Cal:	483428236001
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	2.227	111.3	A	111	2.328	116.4	A	116	80-120	4	20	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	2031070	1976680	-2.68

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	2031070	1982070	-2.41

!=warning -=low bias <=opening a=ICSA u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BS,QC1102279,325074			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:35:51	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	796860	30378.7000000	69661.4000000	292468	1351700	52602.5000000	845230
Int RSD	*3.14872123*	*0.58943273*	*1.12100676*	*0.11497805*	*0.17965969*	*0.20438192*	*0.11039752*
Int SD	*25090.9000000*	*179.06200000*	*780.90900000*	*336.27400000*	*2428.46000000*	*107.51000000*	*933.11300000*
RelInt Mean	0.02258710	0.02428400	0.03269000	0.14298100	0.68244300	0.06991920	0.42458400
RelInt RSD	*2.59650863*	*1.42514001*	*1.20745488*	*0.10456145*	*0.37383488*	*1.33811314*	*0.19455161*
RelInt SD	*0.00058648*	*0.00034608*	*0.00039472*	*0.00014950*	*0.00255121*	*0.00093560*	*0.00082604*
Conc Mean	0.93774000[mg/l]	2.33151000[mg/l]	2.05404000[mg/l]	1.91893000[mg/l]	2.12310000[mg/l]	2.58112000[mg/l]	2.32097000[mg/l]
Conc RSD	*2.60044362*	*1.45413916*	*1.20548772*	*0.10558436*	*0.37488343*	*1.40983372*	*0.19096972*
Conc SD	*0.02438540[mg/l]*	*0.03390340[mg/l]*	*0.02476120[mg/l]*	*0.00202609[mg/l]*	*0.00795915[mg/l]*	*0.03638950[mg/l]*	*0.00443235[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	704816	2039010	1352780	37508.5000000	21608.5000000	6440810	552494
Int RSD	*0.30503280*	*2.99761159*	*0.40793625*	*1.43067305*	*0.37380799*	*0.11203327*	*0.15624369*
Int SD	*2149.92000000*	*61121.6000000*	*5518.48000000*	*536.62400000*	*80.77430000*	*7215.85000000*	*863.23700000*
RelInt Mean	0.35285300	0.06164530	0.68176300	0.04643270	0.00813905	3.27440000	0.27777300
RelInt RSD	*0.42133693*	*2.79258922*	*0.40335571*	*2.70109212*	*6.92459194*	*0.27270859*	*0.22677654*
RelInt SD	*0.00148670*	*0.00172150*	*0.00274993*	*0.00125419*	*0.00056360*	*0.00892957*	*0.00062992*
Conc Mean	2.28217000[mg/l]	2.11283000[mg/l]	2.31206000[mg/l]	15.47230000[mg/l]	2.23130000[mg/l]	2.22874000[mg/l]	2.16861000[mg/l]
Conc RSD	*0.42128807*	*2.79757482*	*0.40383122*	*2.88113597*	*7.17043876*	*0.27286583*	*0.22676092*
Conc SD	*0.00961451[mg/l]*	*0.05910800[mg/l]*	*0.00933682[mg/l]*	*0.44577800[mg/l]*	*0.15999400[mg/l]*	*0.00608147[mg/l]*	*0.00491756[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	48552.9000000	572200	156807	79021.1000000	54743.1000000	8331.78000000	1543210
Int RSD	*0.99165652*	*0.18520098*	*0.19714554*	*1.44981530*	*0.96964914*	*1.03352105*	*1.96430168*
Int SD	*481.47800000*	*1059.72000000*	*309.13800000*	*1145.66000000*	*530.81600000*	*86.11070000*	*30313.3000000*
RelInt Mean	0.03398890	0.28510600	0.07377850	0.03626800	0.02480430	0.00150653	2.35949000
RelInt RSD	*4.27107085*	*0.38633350*	*0.19170355*	*1.74281185*	*0.99159823*	*2.84545943*	*1.97355361*
RelInt SD	*0.00145169*	*0.00110146*	*0.00014144*	*0.00063208*	*0.00024596*	*0.00004287*	*0.04656580*
Conc Mean	1.23704000[mg/l]	2.28336000[mg/l]	2.22655000[mg/l]	1.98339000[mg/l]	1.91732000[mg/l]	0.02796800[mg/l]	2.38007000[mg/l]
Conc RSD	*8.25834249*	*0.38649227*	*0.19173744*	*1.75172810*	*0.99209835*	*3.04682137*	*1.97371506*
Conc SD	*0.10215900[mg/l]*	*0.00882501[mg/l]*	*0.00426913[mg/l]*	*0.03474360[mg/l]*	*0.01902170[mg/l]*	*0.00085213[mg/l]*	*0.04697580[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	7699460	62939.6000000	417415	1976680	31986500	662157	1331190
Int RSD	*2.95067446*	*0.25683354*	*3.19444677*	*0.20745948*	*1.32975161*	*1.06358915*	*0.27953635*
Int SD	*227186*	*161.65000000*	*13334.1000000*	*4100.81000000*	*425341*	*7042.63000000*	*3721.16000000*
RelInt Mean	0.23853500	0.02917450	0.01248780	---	---	---	0.67421000
RelInt RSD	*2.77720670*	*0.31423675*	*2.65625651*	---	---	---	*0.45259786*
RelInt SD	*0.00662461*	*0.00009168*	*0.00033171*	---	---	---	*0.00305146*
Conc Mean	2.22402000[mg/l]	2.25785000[mg/l]	2.08171000[mg/l]	1962500	31885300	647945	2.22775000[mg/l]
Conc RSD	*2.77821243*	*0.31178555*	*2.66751853*	---	---	---	*0.45298620*
Conc SD	*0.06178800[mg/l]*	*0.00703965[mg/l]*	*0.05553000[mg/l]*	*4174.47000000*	*425517*	*6953.68000000*	*0.01009140[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	570045	204786	1089030	7456.59000000	1056220	6455.22000000	
Int RSD	*1.35470358*	*1.44322366*	*0.02206349*	*0.41813483*	*0.20428888*	*0.39229027*	
Int SD	*7722.42000000*	*2955.52000000*	*240.27800000*	*31.17860000*	*2157.74000000*	*25.32320000*	
RelInt Mean	0.86775000	0.27483400	0.54786600	0.00122846	0.53187100	0.00025656	
RelInt RSD	*0.40249957*	*1.67857325*	*0.21555818*	*1.22717060*	*0.40085284*	*4.31700720*	
RelInt SD	*0.00349269*	*0.00461329*	*0.00118097*	*0.00001508*	*0.00213202*	*0.00001108*	
Conc Mean	2.04146000[mg/l]	1.69535000[mg/l]	9.35672000[mg/l]	0.03834830[mg/l]	2.09871000[mg/l]	0.03326010[mg/l]	
Conc RSD	*0.40234930*	*1.68589377*	*0.21636108*	*1.42929934*	*0.40190021*	*3.19590140*	
Conc SD	*0.00821380[mg/l]*	*0.02858180[mg/l]*	*0.02024430[mg/l]*	*0.00054811[mg/l]*	*0.00843472[mg/l]*	*0.00106296[mg/l]*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BSD,QC1102280,325074			Sample Type: Unknown Sample
Measure Date: 2023-10-24 16:39:07	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	851025	30461.3000000	73092.8000000	304641	1425720	50451.8000000	886733
Int RSD	*2.81019947*	*0.60067364*	*0.76630667*	*0.45120978*	*0.87104761*	*0.76065671*	*0.34643799*
Int SD	*23915.5000000*	*182.97300000*	*560.11500000*	*1374.57000000*	*12418.7000000*	*383.76500000*	*3071.98000000*
RelInt Mean	0.02415070	0.02455190	0.03432060	0.14874300	0.71815000	0.06609890	0.44448700
RelInt RSD	*3.11853487*	*0.44704076*	*0.45443261*	*0.65830594*	*0.28111676*	*1.02544369*	*0.82905687*
RelInt SD	*0.00075315*	*0.00010976*	*0.00015596*	*0.00097918*	*0.00201884*	*0.00067781*	*0.00368505*
Conc Mean	1.00276000[mg/l]	2.35776000[mg/l]	2.15623000[mg/l]	1.99687000[mg/l]	2.23420000[mg/l]	2.43252000[mg/l]	2.42973000[mg/l]
Conc RSD	*3.12318002*	*0.45597092*	*0.45411482*	*0.66324798*	*0.28502148*	*1.08383076*	*0.83412560*
Conc SD	*0.03131800[mg/l]*	*0.01075070[mg/l]*	*0.00979176[mg/l]*	*0.01324420[mg/l]*	*0.00636795[mg/l]*	*0.02636440[mg/l]*	*0.02026700[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	742544	2145060	1420860	39139.8000000	21481.7000000	6782950	582685
Int RSD	*0.20431921*	*2.53419951*	*0.80825697*	*0.63569308*	*0.86534120*	*0.72302612*	*0.25577284*
Int SD	*1517.16000000*	*54360.1000000*	*11484.2000000*	*248.80900000*	*185.89000000*	*49042.5000000*	*1490.35000000*
RelInt Mean	0.37100500	0.06458780	0.71450200	0.04862880	0.00825992	3.43936000	0.29238200
RelInt RSD	*0.66653549*	*2.94530856*	*0.29131479*	*1.21375399*	*1.60502765*	*0.20828235*	*0.80734450*
RelInt SD	*0.00247288*	*0.00190231*	*0.00208145*	*0.00059023*	*0.00013257*	*0.00716358*	*0.00236053*
Conc Mean	2.39958000[mg/l]	2.21386000[mg/l]	2.42326000[mg/l]	16.25300000[mg/l]	2.26561000[mg/l]	2.34106000[mg/l]	2.28270000[mg/l]
Conc RSD	*0.66651247*	*2.95024979*	*0.29190801*	*1.29088784*	*1.66104051*	*0.20858073*	*0.80754370*
Conc SD	*0.01599350[mg/l]*	*0.06531440[mg/l]*	*0.00707369[mg/l]*	*0.20980800[mg/l]*	*0.03763270[mg/l]*	*0.00488300[mg/l]*	*0.01843380[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	49374.3000000	599809	163981	83447.9000000	57342.0000000	8294.21000000	1594830
Int RSD	*0.42871089*	*0.19874994*	*0.38280715*	*0.22981285*	*0.72041087*	*0.61600924*	*0.98223635*
Int SD	*211.67300000*	*1192.12000000*	*627.73100000*	*191.77400000*	*413.09800000*	*51.09310000*	*15665.0000000*
RelInt Mean	0.03548090	0.29833100	0.07715200	0.03838860	0.02603560	0.00147639	2.41509000
RelInt RSD	*1.49090074*	*0.73360127*	*0.88386562*	*0.47694628*	*0.20373335*	*2.33176871*	*1.71921129*
RelInt SD	*0.00052899*	*0.00218856*	*0.00068192*	*0.00018309*	*0.00005304*	*0.00003443*	*0.04152050*
Conc Mean	1.34203000[mg/l]	2.38931000[mg/l]	2.32825000[mg/l]	2.09945000[mg/l]	2.01255000[mg/l]	0.02736870[mg/l]	2.43617000[mg/l]
Conc RSD	*2.77382026*	*0.73388552*	*0.88286481*	*0.47677249*	*0.20381804*	*2.50065220*	*1.71959264*
Conc SD	*0.03722550[mg/l]*	*0.01753480[mg/l]*	*0.02055530[mg/l]*	*0.01000960[mg/l]*	*0.00410194[mg/l]*	*0.00068440[mg/l]*	*0.04189220[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	8157550	64992.6000000	442148	1982070	32166100	668422	1404910
Int RSD	*2.51261715*	*0.06361493*	*2.67677339*	*0.61150212*	*1.07148520*	*0.78479314*	*0.54129446*
Int SD	*204968*	*41.34500000*	*11835.3000000*	*12120.4000000*	*344655*	*5245.73000000*	*7604.70000000*
RelInt Mean	0.25146800	0.03009900	0.01318500	---	---	---	0.70980400
RelInt RSD	*2.84822323*	*0.67258381*	*2.75861206*	---	---	---	*0.21699089*
RelInt SD	*0.00716237*	*0.00020244*	*0.00036372*	---	---	---	*0.00154021*
Conc Mean	2.34466000[mg/l]	2.32896000[mg/l]	2.19838000[mg/l]	1967790	32064700	654524	2.34543000[mg/l]
Conc RSD	*2.84934276*	*0.67558910*	*2.76998062*	---	---	---	*0.21705700*
Conc SD	*0.06680740[mg/l]*	*0.01573420[mg/l]*	*0.06089470[mg/l]*	*12120.0000000*	*344865*	*5260.47000000*	*0.00509092[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	608303	215897	1178830	7609.21000000	1104350	6642.57000000	
Int RSD	*0.97020728*	*0.63622005*	*0.57122486*	*0.77283713*	*0.33119210*	*0.34655864*	
Int SD	*5901.80000000*	*1373.58000000*	*6733.77000000*	*58.80680000*	*3657.52000000*	*23.02040000*	
RelInt Mean	0.91754300	0.28945500	0.59238100	0.00128581	0.55490100	0.00034067	
RelInt RSD	*0.18791490*	*0.66999706*	*0.03465844*	*1.83039485*	*0.82714574*	*7.43101869*	
RelInt SD	*0.00172420*	*0.00193934*	*0.00020531*	*0.00002354*	*0.00458984*	*0.00002532*	
Conc Mean	2.15856000[mg/l]	1.78594000[mg/l]	10.12040000[mg/l]	0.04043290[mg/l]	2.18955000[mg/l]	0.04133210[mg/l]	
Conc RSD	*0.18766261*	*0.67265418*	*0.03166555*	*2.11586604*	*0.83114795*	*5.87799797*	
Conc SD	*0.00405081[mg/l]*	*0.01201320[mg/l]*	*0.00320468[mg/l]*	*0.00085551[mg/l]*	*0.01819840[mg/l]*	*0.00242950[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 494459 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	483428236001	Date:	24-OCT-2023 09:16
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483428236002	L1	24-OCT-2023 09:20	S19164, S14463 (100X)
L2	met06_master011	483428236003	L2	24-OCT-2023 09:23	S19163, S14463 (100X)
L3	met06_master011	483428236004	L3	24-OCT-2023 09:26	S19162, S14463 (100X)
L4	met06_master011	483428236005	L4	24-OCT-2023 09:29	S19161, S14463 (100X)
L5	met06_master011	483428236006	L5	24-OCT-2023 09:33	S19156, S14463 (100X)
L6	met06_master011	483428236007	L6	24-OCT-2023 09:36	S19112, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00274	30.1522		0.0296	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	0.0137	0.0289	0.0344	0.0349	0.0328	0.0332

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	24	0.0100	14	0.1000	6	1.0000	6	5.0000	-1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET06		
Calnum:	483428236001	Cal Date:	24-OCT-2023

- ICV 483428236010 (24-OCT-2023) stds: S19239, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.068	mg/l	7	10	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICALBLK,CALBLANK	Sample Type: Calibration Sample		
Measure Date: 2023-10-24 09:16:43	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	65420.0000000	14800.6000000	4396.58000000	12376.2000000	10334.5000000	9923.78000000	9688.54000000
Int RSD	*0.88783094*	*0.64902909*	*0.68193232*	*0.39231024*	*0.52358701*	*1.97725060*	*0.16405052*
Int SD	*580.81900000*	*96.06020000*	*29.98170000*	*48.55310000*	*54.11010000*	*196.21800000*	*15.89410000*
RelInt Mean	0.00003490	0.00048168	-0.00008316	0.00110984	0.00006939	0.00354785	-0.00002086
RelInt RSD	*8.02764687*	*58.81186680*	*13.65301894*	*1.66791610*	*32.74647481*	*5.95825641*	*16.81675433*
RelInt SD	*0.00000280*	*0.00028329*	*0.00001135*	*0.00001851*	*0.00002272*	*0.00021139*	*0.00000351*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9929.47000000	61963.3000000	14466.4000000	9034.34000000	16429.8000000	14084.5000000	6120.65000000
Int RSD	*0.55156015*	*0.72977069*	*0.83673893*	*2.11914761*	*1.53213064*	*0.64633320*	*0.42597110*
Int SD	*54.76700000*	*452.19000000*	*121.04600000*	*191.45100000*	*251.72600000*	*91.03280000*	*26.07220000*
RelInt Mean	0.00000634	0.00010986	0.00104763	0.00292109	0.00027972	0.00110431	0.00007516
RelInt RSD	*691.23629463*	*0.72692682*	*7.96549354*	*3.88416653*	*71.46069585*	*3.10339488*	*7.91278514*
RelInt SD	*0.00004382*	*0.00000080*	*0.00008345*	*0.00011346*	*0.00019989*	*0.00003427*	*0.00000595*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	36987.0000000	10638.3000000	9726.62000000	6599.32000000	5037.88000000	4633.30000000	14131.0000000
Int RSD	*0.55171817*	*0.06505945*	*0.26393855*	*0.90941036*	*1.03165419*	*0.93583623*	*1.25841766*
Int SD	*204.06400000*	*6.92122000*	*25.67230000*	*60.01490000*	*51.97350000*	*43.36010000*	*177.82700000*
RelInt Mean	0.01641000	0.00012272	-0.00009189	0.00000430	0.00001780	0.00010088	0.00021416
RelInt RSD	*4.11512492*	*1.71457790*	*9.57510184*	*404.89275034*	*105.27870768*	*15.59283895*	*86.81802051*
RelInt SD	*0.00067529*	*0.00000210*	*0.00000880*	*0.00001742*	*0.00001874*	*0.00001573*	*0.00018593*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	74790.1000000	4496.57000000	17294.7000000	2031070	33390100	719619	6793.94000000
Int RSD	*0.61854443*	*0.39774762*	*0.58376266*	*1.16359850*	*0.83934160*	*1.06348081*	*0.99626579*
Int SD	*462.61000000*	*17.88500000*	*100.96000000*	*23633.5000000*	*280257*	*7653.01000000*	*67.68570000*
RelInt Mean	0.00011235	-0.00007891	0.00004910	---	---	---	0.00024775
RelInt RSD	*8.82276183*	*21.32977470*	*7.29622667*	---	---	---	*13.79977881*
RelInt SD	*0.00000991*	*0.00001683*	*0.00000358*	---	---	---	*0.00003419*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6555.82000000	25158.8000000	13628.9000000	4595.60000000	9887.03000000	4955.49000000	
Int RSD	*0.90136398*	*0.86330032*	*1.25437856*	*1.21659631*	*0.34933443*	*0.23648923*	
Int SD	*59.09180000*	*217.19600000*	*170.95800000*	*55.90990000*	*34.53880000*	*11.71920000*	
RelInt Mean	-0.00028725	0.00123401	0.00146063	0.00017347	0.00008928	-0.00009001	
RelInt RSD	*41.00873452*	*25.34420305*	*5.66465155*	*24.21342680*	*31.12767773*	*6.73272937*	
RelInt SD	*0.00011780*	*0.00031275*	*0.00008274*	*0.00004200*	*0.00002779*	*0.00000606*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L1,S19164			Sample Type: Calibration Sample
Measure Date: 2023-10-24 09:20:00	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	66837.3000000	14736.1000000	4583.75000000	12153.9000000	12593.8000000	10418.6000000	10547.4000000
Int RSD	*0.15086636*	*1.43000523*	*0.42522389*	*0.79416977*	*1.73163779*	*2.55183038*	*0.18521816*
Int SD	*100.83500000*	*210.72700000*	*19.49120000*	*96.52260000*	*218.07900000*	*265.86500000*	*19.53570000*
RelInt Mean	0.00003765	0.00040533	-0.00004537	0.00089136	0.00108380	0.00441945	0.00030314
RelInt RSD	*24.46496435*	*68.86495235*	*59.64722814*	*4.21766861*	*10.42194132*	*3.81558791*	*11.27545870*
RelInt SD	*0.00000921*	*0.00027913*	*0.00002706*	*0.00003759*	*0.00011295*	*0.00016863*	*0.00003418*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11200.2000000	66457.9000000	17340.3000000	9269.86000000	16501.7000000	23838.5000000	7111.51000000
Int RSD	*0.16963983*	*0.28843975*	*0.30162685*	*0.55026397*	*0.83544726*	*0.44308157*	*0.61820204*
Int SD	*19.00000000*	*191.69100000*	*52.30300000*	*51.00870000*	*137.86300000*	*105.62400000*	*43.96350000*
RelInt Mean	0.00054020	0.00020470	0.00237723	0.00335531	0.00044917	0.00586655	0.00052449
RelInt RSD	*3.82620109*	*1.85083953*	*0.69970933*	*3.27802796*	*40.21591031*	*0.35444853*	*1.84632222*
RelInt SD	*0.00002067*	*0.00000379*	*0.00001663*	*0.00010999*	*0.00018064*	*0.00002079*	*0.00000968*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	40800.8000000	11545.4000000	10172.6000000	7100.28000000	5381.11000000	4945.68000000	27173.5000000
Int RSD	*0.13411502*	*0.43996224*	*0.16658376*	*0.67375512*	*1.08154823*	*0.45916638*	*0.70969143*
Int SD	*54.72000000*	*50.79540000*	*16.94590000*	*47.83850000*	*58.19930000*	*22.70890000*	*192.84800000*
RelInt Mean	0.02192770	0.00047391	0.00004576	0.00018187	0.00013415	0.00020667	0.01877710
RelInt RSD	*2.59599958*	*11.59946404*	*36.55918209*	*6.64218085*	*10.93597418*	*5.78815195*	*1.05037519*
RelInt SD	*0.00056924*	*0.00005497*	*0.00001673*	*0.00001208*	*0.00001467*	*0.00001196*	*0.00019723*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	85445.5000000	4897.83000000	18203.8000000	2017540	33210900	720294	12898.2000000
Int RSD	*0.80526886*	*0.35045316*	*0.44730716*	*0.03438395*	*0.38145609*	*1.12567507*	*1.31495092*
Int SD	*688.06600000*	*17.16460000*	*81.42690000*	*693.71000000*	*126685*	*8108.17000000*	*169.60500000*
RelInt Mean	0.00038638	0.00007010	0.00006236	---	---	---	0.00322241
RelInt RSD	*6.23960868*	*8.27844519*	*7.78847742*	---	---	---	*2.43470260*
RelInt SD	*0.00002411*	*0.00000580*	*0.00000486*	---	---	---	*0.00007846*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6725.46000000	25401.1000000	12365.8000000	4578.28000000	10986.4000000	5013.97000000	
Int RSD	*0.33096175*	*0.88288696*	*0.68935613*	*1.14750081*	*0.23367618*	*0.64680084*	
Int SD	*22.25870000*	*224.26300000*	*85.24440000*	*52.53580000*	*25.67260000*	*32.43040000*	
RelInt Mean	-0.00001044	0.00179054	0.00070780	0.00012360	0.00053723	-0.00011653	
RelInt RSD	*167.77889544*	*13.72306678*	*7.49515049*	*33.41710088*	*2.98319156*	*18.47735425*	
RelInt SD	*0.00001751*	*0.00024572*	*0.00005305*	*0.00004130*	*0.00001603*	*0.00002153*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L2,S19163			Sample Type: Calibration Sample
Measure Date: 2023-10-24 09:23:16	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	67234.3000000	15145.2000000	4816.47000000	12908.1000000	16967.7000000	11894.9000000	11945.4000000
Int RSD	*0.33855785*	*2.10468663*	*0.38011033*	*0.13623384*	*1.28198283*	*3.29372252*	*0.95335443*
Int SD	*227.62700000*	*318.75900000*	*18.30790000*	*17.58520000*	*217.52300000*	*391.78500000*	*113.88200000*
RelInt Mean	0.00003909	0.00067406	0.00006615	0.00128325	0.00327352	0.00639659	0.00101126
RelInt RSD	*13.39712417*	*29.87603514*	*11.61490880*	*0.79773232*	*3.04864794*	*5.10579856*	*5.74770089*
RelInt SD	*0.00000524*	*0.00020138*	*0.00000768*	*0.00001024*	*0.00009980*	*0.00032660*	*0.00005812*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	13250.2000000	72726.0000000	25576.0000000	9532.30000000	16710.3000000	44796.6000000	8877.55000000
Int RSD	*0.61999517*	*0.15333856*	*0.21138098*	*2.63454780*	*2.48136778*	*0.12654443*	*0.04674938*
Int SD	*82.15060000*	*111.51700000*	*54.06280000*	*251.13300000*	*414.64400000*	*56.68760000*	*4.15020000*
RelInt Mean	0.00155283	0.00037941	0.00645729	0.00354756	0.00037299	0.01627410	0.00140809
RelInt RSD	*2.84129621*	*2.84031607*	*0.22147991*	*3.02117512*	*78.15818612*	*0.57202918*	*0.40691149*
RelInt SD	*0.00004412*	*0.00001078*	*0.00001430*	*0.00010718*	*0.00029152*	*0.00009309*	*0.00000573*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	42556.7000000	13131.7000000	10651.4000000	7788.70000000	5882.18000000	5661.79000000	53084.9000000
Int RSD	*0.96730950*	*0.49275494*	*0.34334548*	*0.98322570*	*0.64707132*	*0.45384587*	*1.22477767*
Int SD	*411.65500000*	*64.70710000*	*36.57110000*	*76.58050000*	*38.06190000*	*25.69580000*	*650.17200000*
RelInt Mean	0.02407000	0.00128314	0.00028852	0.00053187	0.00038082	0.00055707	0.05576770
RelInt RSD	*1.36725384*	*1.83476472*	*5.37077538*	*6.25809872*	*2.34015378*	*2.18748710*	*1.69627401*
RelInt SD	*0.00032910*	*0.00002354*	*0.00001550*	*0.00003329*	*0.00000891*	*0.00001219*	*0.00094597*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	109395	5426.07000000	18952.8000000	2018560	33502200	711478	25989.5000000
Int RSD	*0.62239956*	*0.16768600*	*0.76865687*	*0.50067870*	*0.32150127*	*0.72978785*	*0.82172416*
Int SD	*680.87400000*	*9.09876000*	*145.68200000*	*10106.5000000*	*107710*	*5192.28000000*	*213.56200000*
RelInt Mean	0.00109077	0.00033550	0.00008299	---	---	---	0.00975346
RelInt RSD	*2.75892260*	*3.47187448*	*3.23484013*	---	---	---	*1.00621215*
RelInt SD	*0.00003009*	*0.00001165*	*0.00000268*	---	---	---	*0.00009814*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	7503.34000000	26658.7000000	12279.9000000	4609.88000000	12693.6000000	4978.36000000	
Int RSD	*1.92542255*	*1.92607667*	*0.32994813*	*1.46598610*	*0.98451976*	*0.35517520*	
Int SD	*144.47100000*	*513.46700000*	*40.51730000*	*67.58020000*	*124.97100000*	*17.68190000*	
RelInt Mean	0.00090356	0.00305456	0.00068570	0.00013571	0.00139506	-0.00013599	
RelInt RSD	*8.31414440*	*3.45797758*	*0.77175375*	*32.98747329*	*5.05568219*	*11.93364316*	
RelInt SD	*0.00007512*	*0.00010563*	*0.00000529*	*0.00004477*	*0.00007053*	*0.00001623*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L3,S19162			Sample Type: Calibration Sample
Measure Date: 2023-10-24 09:26:33	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	66565.1000000	16403.5000000	7629.25000000	25744.3000000	77406.0000000	29244.5000000	29385.5000000
Int RSD	*0.72290434*	*2.38009571*	*0.87031491*	*0.50084096*	*0.18812366*	*1.68840637*	*0.43460210*
Int SD	*481.20200000*	*390.41900000*	*66.39850000*	*128.93800000*	*145.61900000*	*493.76600000*	*127.71000000*
RelInt Mean	0.00003476	0.00239470	0.00146771	0.00763440	0.03316890	0.03134370	0.00962399
RelInt RSD	*16.31145253*	*16.29548586*	*2.01620211*	*0.94890496*	*0.51256147*	*2.15969716*	*0.34150077*
RelInt SD	*0.00000567*	*0.00039023*	*0.00002959*	*0.00007244*	*0.00017001*	*0.00067693*	*0.00003287*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	43156.3000000	156135	140315	11784.4000000	18959.3000000	324733	32059.5000000
Int RSD	*0.11751703*	*1.13142473*	*6.05941631*	*2.33215098*	*1.80824187*	*0.69863241*	*0.53196089*
Int SD	*50.71600000*	*1766.55000000*	*8502.27000000*	*274.83000000*	*342.83000000*	*2268.69000000*	*170.54400000*
RelInt Mean	0.01634480	0.00289898	0.06320250	0.00687259	0.00375938	0.15468300	0.01287370
RelInt RSD	*0.30648341*	*1.76597631*	*6.30106404*	*3.70359646*	*6.30659843*	*0.52015994*	*1.09992465*
RelInt SD	*0.00005009*	*0.00005120*	*0.00398243*	*0.00025453*	*0.00023709*	*0.00080460*	*0.00014160*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	59835.1000000	37460.3000000	16994.3000000	16936.2000000	12269.2000000	14385.9000000	387870
Int RSD	*0.57238310*	*0.35633724*	*0.66112167*	*1.01642045*	*0.95558798*	*1.06867836*	*1.05765592*
Int SD	*342.48600000*	*133.48500000*	*112.35300000*	*172.14300000*	*117.24300000*	*153.73900000*	*4102.33000000*
RelInt Mean	0.04917460	0.01331370	0.00343864	0.00505422	0.00353736	0.00488708	0.53774900
RelInt RSD	*2.12615863*	*0.33664496*	*1.13012994*	*2.28814733*	*1.66899891*	*1.63103735*	*0.24150115*
RelInt SD	*0.00104553*	*0.00004482*	*0.00003886*	*0.00011565*	*0.00005904*	*0.00007971*	*0.00129867*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	420647	12734.6000000	27260.3000000	2032940	33327400	709083	193076
Int RSD	*1.90320387*	*0.62335527*	*0.75717068*	*0.47481726*	*0.45104329*	*1.04711155*	*0.70092088*
Int SD	*8005.77000000*	*79.38180000*	*206.40700000*	*9652.75000000*	*150321*	*7424.89000000*	*1353.31000000*
RelInt Mean	0.01045970	0.00395159	0.00033684	---	---	---	0.09235140
RelInt RSD	*2.07949559*	*1.41298566*	*2.02746400*	---	---	---	*0.55444963*
RelInt SD	*0.00021751*	*0.00005584*	*0.00000683*	---	---	---	*0.00051204*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	15635.4000000	34708.1000000	12558.5000000	4698.18000000	35745.4000000	5007.01000000	
Int RSD	*1.20557197*	*0.96626148*	*0.08359119*	*0.71514501*	*0.13521460*	*0.67500165*	
Int SD	*188.49600000*	*335.37100000*	*10.49780000*	*33.59880000*	*48.33300000*	*33.79740000*	
RelInt Mean	0.01263600	0.01464990	0.00083276	0.00016317	0.01278140	-0.00010652	
RelInt RSD	*1.58686293*	*2.05674441*	*4.56124867*	*11.12395357*	*0.46228191*	*14.79717614*	
RelInt SD	*0.00020052*	*0.00030131*	*0.00003798*	*0.00001815*	*0.00005909*	*0.00001576*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L4,S19161			Sample Type: Calibration Sample
Measure Date: 2023-10-24 09:29:49	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	67623.1000000	30051.2000000	35577.1000000	150825	655161	188907	194050
Int RSD	*0.59080255*	*1.20033476*	*0.27223017*	*0.53093121*	*0.50606187*	*1.32443477*	*0.49787890*
Int SD	*399.51900000*	*360.71500000*	*96.85160000*	*800.77700000*	*3315.52000000*	*2501.95000000*	*966.13400000*
RelInt Mean	0.00003376	0.02144990	0.01570390	0.07164300	0.32897800	0.26722400	0.09384510
RelInt RSD	*40.53096716*	*1.22371666*	*0.42788670*	*0.80274556*	*0.76849212*	*0.78193201*	*0.68480613*
RelInt SD	*0.00001369*	*0.00026249*	*0.00006719*	*0.00057511*	*0.00252817*	*0.00208951*	*0.00064266*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	323925	962103	1205130	40102.0000000	41985.3000000	3016720	258942
Int RSD	*0.57259551*	*2.51059398*	*0.36676209*	*2.01096703*	*1.61829021*	*0.41990307*	*0.42684848*
Int SD	*1854.78000000*	*24154.5000000*	*4419.96000000*	*806.43800000*	*679.44400000*	*12667.3000000*	*1105.29000000*
RelInt Mean	0.15997400	0.02793890	0.60857900	0.04844150	0.03747490	1.53350000	0.12896400
RelInt RSD	*0.85788941*	*3.26843577*	*0.53262107*	*2.19834233*	*2.09914636*	*0.49766417*	*0.70674529*
RelInt SD	*0.00137240*	*0.00091317*	*0.00324142*	*0.00106491*	*0.00078665*	*0.00763168*	*0.00091145*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	232499	264697	78715.1000000	112253	78881.9000000	105816	3648320
Int RSD	*0.66832976*	*0.41234695*	*0.47157661*	*0.53236795*	*0.39169569*	*0.46616863*	*0.35029548*
Int SD	*1553.86000000*	*1091.47000000*	*371.20200000*	*597.59900000*	*308.97700000*	*493.28100000*	*12779.9000000*
RelInt Mean	0.30369300	0.12952600	0.03490610	0.05376430	0.03759440	0.05163160	5.35560000
RelInt RSD	*0.31242472*	*0.64908821*	*0.66141448*	*0.76885591*	*0.30029472*	*0.43362592*	*0.93563186*
RelInt SD	*0.00094881*	*0.00084074*	*0.00023087*	*0.00041337*	*0.00011289*	*0.00022389*	*0.05010870*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3465560	84340.3000000	109465	1971290	32268700	692844	1841380
Int RSD	*1.86224449*	*0.65501664*	*1.65548806*	*0.26523089*	*0.66020943*	*0.61390154*	*0.24677307*
Int SD	*64537.2000000*	*552.44300000*	*1812.18000000*	*5228.47000000*	*213041*	*4253.38000000*	*4544.03000000*
RelInt Mean	0.10524800	0.04058110	0.00288501	---	---	---	0.93643200
RelInt RSD	*2.34258133*	*1.00953892*	*2.58382467*	---	---	---	*0.41004472*
RelInt SD	*0.00246552*	*0.00040968*	*0.00007454*	---	---	---	*0.00383979*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	96037.5000000	117578	15655.6000000	5181.75000000	254603	5392.36000000	
Int RSD	*1.61490043*	*0.54843593*	*0.19080968*	*1.87944806*	*0.49058731*	*1.48968170*	
Int SD	*1550.91000000*	*644.84000000*	*29.87240000*	*97.38830000*	*1249.05000000*	*80.32900000*	
RelInt Mean	0.13125700	0.13599200	0.00234491	0.00033811	0.12465600	-0.00000258	
RelInt RSD	*1.67463831*	*0.55929246*	*1.69873897*	*16.35671548*	*0.67592013*	*1765.24953789*	
RelInt SD	*0.00219808*	*0.00076059*	*0.00003983*	*0.00005530*	*0.00084258*	*0.00004555*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L5,S19156			Sample Type: Calibration Sample
Measure Date: 2023-10-24 09:33:06	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	69287.2000000	87204.3000000	151262	719051	2969220	892490	903845
Int RSD	*0.52369846*	*0.95881854*	*0.20342717*	*0.30890438*	*1.13139141*	*0.35034790*	*0.38726994*
Int SD	*362.85600000*	*836.13100000*	*307.70800000*	*2221.18000000*	*33593.5000000*	*3126.82000000*	*3500.32000000*
RelInt Mean	0.00001133	0.10234600	0.07694640	0.37349700	1.56023000	1.30160000	0.47089600
RelInt RSD	*110.04096551*	*1.52210150*	*0.64956775*	*0.54511817*	*0.29513918*	*0.23765904*	*0.47975986*
RelInt SD	*0.00001246*	*0.00155781*	*0.00049982*	*0.00203600*	*0.00460485*	*0.00309337*	*0.00225917*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1426520	4386460	5523980	195005	133578	13933700	1185990
Int RSD	*1.04002748*	*1.32073927*	*1.20519263*	*2.13252994*	*0.14427525*	*0.85837932*	*1.29334986*
Int SD	*14836.2000000*	*57933.7000000*	*66574.6000000*	*4158.54000000*	*192.72000000*	*119604*	*15339.0000000*
RelInt Mean	0.74603300	0.14152000	2.90674000	0.27529900	0.17216200	7.34384000	0.62182600
RelInt RSD	*0.24480150*	*1.34070096*	*0.38568981*	*2.61825869*	*0.52948153*	*1.32866048*	*0.46164039*
RelInt SD	*0.00182630*	*0.00189736*	*0.01121100*	*0.00720804*	*0.00091157*	*0.09757470*	*0.00287060*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	985853	1187940	322075	502333	364427	474933	16717900
Int RSD	*0.92625371*	*0.98493190*	*0.43362571*	*0.49850796*	*0.36690750*	*0.39058351*	*2.15003679*
Int SD	*9131.50000000*	*11700.4000000*	*1396.60000000*	*2504.17000000*	*1337.11000000*	*1855.01000000*	*359441*
RelInt Mean	1.40938000	0.62027700	0.16387500	0.26072300	0.18919700	0.24778800	24.57570000
RelInt RSD	*1.01039464*	*0.31210894*	*0.66747216*	*0.34799653*	*0.47867567*	*0.55608423*	*2.73046546*
RelInt SD	*0.01424030*	*0.00193594*	*0.00109382*	*0.00090731*	*0.00090564*	*0.00137791*	*0.67103100*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	16135500	376797	458871	1908450	30544900	693624	8971120
Int RSD	*1.71343311*	*0.32973723*	*1.92768992*	*0.84373182*	*0.12262243*	*0.56684746*	*0.99657456*
Int SD	*276471*	*1242.44000000*	*8845.61000000*	*16102.2000000*	*37454.9000000*	*3931.79000000*	*89403.9000000*
RelInt Mean	0.52653800	0.19564600	0.01447220	---	---	---	4.72784000
RelInt RSD	*1.72005059*	*0.54632857*	*1.96659112*	---	---	---	*0.19124970*
RelInt SD	*0.00905672*	*0.00106887*	*0.00028461*	---	---	---	*0.00904198*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	431379	545594	26672.0000000	7548.64000000	1155560	7010.80000000	
Int RSD	*0.72822506*	*2.75880966*	*1.00307439*	*1.39221105*	*0.99914327*	*0.81989930*	
Int SD	*3141.41000000*	*15051.9000000*	*267.54000000*	*105.09300000*	*11545.7000000*	*57.48150000*	
RelInt Mean	0.62369300	0.76141100	0.00803163	0.00124667	0.60320200	0.00051594	
RelInt RSD	*0.21562852*	*3.29766709*	*1.02649275*	*4.73466916*	*0.30224369*	*6.93572302*	
RelInt SD	*0.00134486*	*0.02510880*	*0.00008244*	*0.00005903*	*0.00182314*	*0.00003578*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L6,S19112			Sample Type: Calibration Sample
Measure Date: 2023-10-24 09:36:23	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72466.9000000	157918	305696	1390970	6020940	1726740	1701580
Int RSD	*0.88782327*	*0.66043770*	*0.57283052*	*0.92577841*	*0.56780835*	*2.47759941*	*0.57271242*
Int SD	*643.37800000*	*1042.95000000*	*1751.12000000*	*12877.3000000*	*34187.4000000*	*42781.7000000*	*9745.16000000*
RelInt Mean	-0.00002111	0.20471600	0.16061000	0.73941000	3.22107000	2.56734000	0.90547200
RelInt RSD	*34.21712602*	*0.14388568*	*0.83479858*	*0.39777661*	*0.12763802*	*1.80491092*	*0.36378154*
RelInt SD	*0.00000722*	*0.00029456*	*0.00134077*	*0.00294120*	*0.00411131*	*0.04633820*	*0.00329394*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	2921750	8738850	11031600	391258	254154	27398400	2413560
Int RSD	*0.45237272*	*1.82438193*	*0.71301443*	*0.59749577*	*0.79827191*	*0.75760263*	*0.37214820*
Int SD	*13217.2000000*	*159430*	*78656.9000000*	*2337.75000000*	*2028.84000000*	*207571*	*8982.02000000*
RelInt Mean	1.55851000	0.29352500	5.90643000	0.57070800	0.35439600	14.68120000	1.28949000
RelInt RSD	*0.13574889*	*1.61263606*	*1.07919674*	*0.94823973*	*0.16570955*	*1.20379124*	*0.32653297*
RelInt SD	*0.00211566*	*0.00473349*	*0.06374200*	*0.00541168*	*0.00058727*	*0.17673100*	*0.00421061*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1953620	2344700	632514	1036500	734516	947605	33224600
Int RSD	*1.81358708*	*0.57794174*	*0.31498117*	*0.63138254*	*0.71515937*	*0.39396373*	*2.60474468*
Int SD	*35430.6000000*	*13551.0000000*	*1992.30000000*	*6544.28000000*	*5252.96000000*	*3733.22000000*	*865416*
RelInt Mean	2.87183000	1.24965000	0.33230400	0.55052600	0.39033300	0.50487200	49.61450000
RelInt RSD	*2.55949691*	*0.13081023*	*0.56151596*	*0.94975896*	*0.95008621*	*0.72428259*	*2.01711193*
RelInt SD	*0.07350440*	*0.00163467*	*0.00186594*	*0.00522867*	*0.00370850*	*0.00365670*	*1.00078000*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	31851000	725530	908965	1878930	29544200	683156	16732600
Int RSD	*1.95432482*	*0.31215525*	*1.94842486*	*0.58435918*	*0.48409502*	*0.76804273*	*1.16274817*
Int SD	*622472*	*2264.78000000*	*17710.5000000*	*10979.7000000*	*143022*	*5246.93000000*	*194558*
RelInt Mean	1.07707000	0.38520900	0.03017180	---	---	---	8.96534000
RelInt RSD	*1.74872571*	*0.30432830*	*1.88414347*	---	---	---	*1.64350711*
RelInt SD	*0.01883500*	*0.00117230*	*0.00056848*	---	---	---	*0.14734600*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	867184	1130230	38387.3000000	10269.3000000	2395060	8799.68000000	
Int RSD	*1.01316330*	*3.64003787*	*0.63015893*	*1.27418617*	*0.77583443*	*0.75433425*	
Int SD	*8785.99000000*	*41140.8000000*	*241.90100000*	*130.85000000*	*18581.7000000*	*66.37900000*	
RelInt Mean	1.28165000	1.63925000	0.01408450	0.00234569	1.27599000	0.00117763	
RelInt RSD	*0.52752233*	*4.45736160*	*1.75455998*	*3.44832437*	*0.21611533*	*3.28742474*	
RelInt SD	*0.00676099*	*0.07306730*	*0.00024712*	*0.00008089*	*0.00275761*	*0.00003871*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L7,S19241			Sample Type: Calibration Sample
Measure Date: 2023-10-24 09:39:38	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1666850	14679.1000000	4525.51000000	13293.4000000	10903.8000000	9864.49000000	9860.89000000
Int RSD	*2.32288448*	*1.10679810*	*1.27633792*	*2.58076940*	*4.71158679*	*0.08468943*	*1.62732776*
Int SD	*38719.0000000*	*162.46800000*	*57.76080000*	*343.07200000*	*513.74200000*	*8.35418000*	*160.46900000*
RelInt Mean	0.04813400	0.00044883	-0.00004836	0.00153891	0.00031962	0.00377198	0.00002968
RelInt RSD	*3.34408111*	*9.22634405*	*61.83824198*	*11.03326380*	*71.13697516*	*3.15057344*	*217.13405820*
RelInt SD	*0.00160964*	*0.00004141*	*0.00002991*	*0.00016979*	*0.00022737*	*0.00011884*	*0.00006444*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11127.8000000	82381.3000000	32520.1000000	9741.45000000	16303.6000000	14342.4000000	10152.4000000
Int RSD	*9.08715110*	*17.19297947*	*37.40332902*	*1.30957917*	*0.79403322*	*11.58237115*	*14.66431583*
Int SD	*1011.20000000*	*14163.8000000*	*12163.6000000*	*127.57200000*	*129.45600000*	*1661.19000000*	*1488.78000000*
RelInt Mean	0.00056762	0.00070056	0.00993713	0.00403864	0.00019695	0.00119587	0.00207058
RelInt RSD	*84.03688377*	*60.21337155*	*60.91366421*	*3.71805855*	*66.11357924*	*67.84391280*	*35.07741792*
RelInt SD	*0.00047701*	*0.00042183*	*0.00605307*	*0.00015016*	*0.00013021*	*0.00081133*	*0.00072631*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	42379.9000000	10833.9000000	9879.11000000	7135.94000000	5253.50000000	7048.10000000	14419.3000000
Int RSD	*0.96713300*	*2.62545344*	*0.94446565*	*2.07326575*	*1.46226325*	*14.14249230*	*0.61967224*
Int SD	*409.87000000*	*284.43900000*	*93.30480000*	*147.94700000*	*76.82000000*	*996.77700000*	*89.35240000*
RelInt Mean	0.02436980	0.00020180	-0.00004279	0.00024597	0.00010413	0.00128232	0.00077505
RelInt RSD	*1.68023948*	*70.38063004*	*76.88791570*	*23.89570103*	*35.41008010*	*38.53921018*	*24.49087024*
RelInt SD	*0.00040947*	*0.00014203*	*0.00003290*	*0.00005878*	*0.00003687*	*0.00049420*	*0.00018982*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	260386	4690.83000000	20166.5000000	2030470	33304300	711722	8446.58000000
Int RSD	*15.66969806*	*1.36974480*	*6.47960727*	*0.24182874*	*1.03286362*	*0.49002841*	*20.69168823*
Int SD	*40801.7000000*	*64.25240000*	*1306.71000000*	*4910.26000000*	*343988*	*3487.64000000*	*1747.74000000*
RelInt Mean	0.00566451	-0.00000067	0.00012934	---	---	---	0.00104283
RelInt RSD	*21.35065522*	*3821.80946155*	*30.40591633*	---	---	---	*82.29231994*
RelInt SD	*0.00120941*	*0.00002555*	*0.00003933*	---	---	---	*0.00085817*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6621.93000000	25645.7000000	12250.5000000	4555.39000000	10114.0000000	4958.54000000	
Int RSD	*0.53961760*	*0.72504942*	*1.08148239*	*2.07214530*	*2.32980028*	*1.22344480*	
Int SD	*35.73310000*	*185.94400000*	*132.48700000*	*94.39430000*	*235.63600000*	*60.66500000*	
RelInt Mean	-0.00016012	0.00211294	0.00075248	0.00013021	0.00017702	-0.00011148	
RelInt RSD	*79.94991382*	*4.56948612*	*8.11973990*	*36.73189313*	*61.73292132*	*16.53473873*	
RelInt SD	*0.00012802*	*0.00009655*	*0.00006110*	*0.00004783*	*0.00010928*	*0.00001843*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L8,S18727			Sample Type: Calibration Sample
Measure Date: 2023-10-24 09:42:54	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	67137.6000000	14944.5000000	4564.99000000	12294.6000000	10562.1000000	10187.5000000	9867.29000000
Int RSD	*0.66946838*	*1.07286962*	*0.66668711*	*0.47448473*	*0.47513373*	*0.67454233*	*0.37268896*
Int SD	*449.46500000*	*160.33500000*	*30.43420000*	*58.33600000*	*50.18410000*	*68.71900000*	*36.77430000*
RelInt Mean	0.00004362	0.00026538	-0.00005106	0.00095003	0.00004864	0.00379185	-0.00003742
RelInt RSD	*8.58080520*	*30.91150593*	*12.82901463*	*5.13609044*	*47.22052033*	*5.54626370*	*57.73016514*
RelInt SD	*0.00000374*	*0.00008203*	*0.00000655*	*0.00004879*	*0.00002297*	*0.00021031*	*0.00002160*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10253.4000000	63572.5000000	17118.6000000	9666.83000000	16579.9000000	12974.5000000	6769.47000000
Int RSD	*0.82801802*	*0.69070274*	*0.88861823*	*1.41467265*	*1.12933130*	*1.77192955*	*1.04000904*
Int SD	*84.90000000*	*439.09700000*	*152.11900000*	*136.75400000*	*187.24200000*	*229.89900000*	*70.40310000*
RelInt Mean	0.00009720	0.00011169	0.00225529	0.00362994	-0.00000036	0.00041038	0.00034798
RelInt RSD	*15.98974118*	*3.96766078*	*3.78117227*	*4.86479115*	*40069.3553750*	*15.57549381*	*12.89497355*
RelInt SD	*0.00001554*	*0.00000443*	*0.00008528*	*0.00017659*	*0.00014339*	*0.00006392*	*0.00004487*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	41593.3000000	10838.6000000	9949.32000000	6893.81000000	5191.83000000	5100.85000000	14635.3000000
Int RSD	*0.57709054*	*0.55339896*	*0.63356290*	*0.47529595*	*0.20122385*	*0.39717106*	*0.45612184*
Int SD	*240.03100000*	*59.98070000*	*63.03520000*	*32.76600000*	*10.44720000*	*20.25910000*	*66.75480000*
RelInt Mean	0.02223450	0.00015289	-0.00008622	0.00006981	0.00004141	0.00027256	0.00054305
RelInt RSD	*1.11970586*	*21.05982615*	*38.03054747*	*5.17848036*	*27.08686970*	*7.00052833*	*54.97318857*
RelInt SD	*0.00024896*	*0.00003220*	*0.00003279*	*0.00000361*	*0.00001122*	*0.00001908*	*0.00029853*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	112305	4640.82000000	17907.3000000	2046140	33669000	719481	7460.21000000
Int RSD	*1.81173590*	*0.80244009*	*1.24424118*	*0.32006461*	*1.47803618*	*1.18507369*	*0.40586793*
Int SD	*2034.67000000*	*37.23980000*	*222.81000000*	*6548.97000000*	*497640*	*8526.38000000*	*30.27860000*
RelInt Mean	0.00117603	-0.00006028	0.00004948	---	---	---	0.00050614
RelInt RSD	*6.22319159*	*4.41521947*	*9.32063833*	---	---	---	*6.26641851*
RelInt SD	*0.00007319*	*0.00000266*	*0.00000461*	---	---	---	*0.00003172*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6626.37000000	26126.8000000	1196080	564811	10161.0000000	217191	
Int RSD	*0.46835749*	*1.20452562*	*0.48470671*	*0.46557344*	*0.64821770*	*0.44912911*	
Int SD	*31.03510000*	*314.70400000*	*5797.48000000*	*2629.61000000*	*65.86540000*	*975.46800000*	
RelInt Mean	-0.00032956	0.00197521	0.58240200	0.27528000	0.00014268	0.10410900	
RelInt RSD	*43.11692489*	*19.57336182*	*0.18312952*	*0.22545299*	*4.75209734*	*0.13015974*	
RelInt SD	*0.00014210*	*0.00038661*	*0.00106655*	*0.00062063*	*0.00000678*	*0.00013551*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICV,S19239			Sample Type: Control Sample
Measure Date: 2023-10-24 09:46:19	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	433869	25336.3000000	36177.5000000	154762	656837	934002	381754
Int RSD	*1.72785564*	*0.73310625*	*0.33345311*	*0.40661726*	*0.42226762*	*0.53349350*	*0.58241695*
Int SD	*7496.63000000*	*185.74200000*	*120.63500000*	*629.28900000*	*2773.61000000*	*4982.84000000*	*2223.40000000*
RelInt Mean	0.01182050	0.01047920	0.01636440	0.07559290	0.33930100	1.37308000	0.19497800
RelInt RSD	*1.78725942*	*6.37604016*	*0.81246486*	*1.06579851*	*1.21034421*	*0.35608268*	*1.24735098*
RelInt SD	*0.00021126*	*0.00066816*	*0.00013296*	*0.00080567*	*0.00410671*	*0.00488930*	*0.00243206*
Conc Mean	0.49005500[mg/l]	0.97927300[mg/l]	1.03094000[mg/l]	1.00747000[mg/l]	1.05569000[mg/l]	53.27090000[mg/l]	1.06585000[mg/l]
Conc RSD	*1.79258451*	*6.68341719*	*0.80776767*	*1.08184859*	*1.21051634*	*0.35708426*	*1.24436834*
Conc SD	*0.00878465[mg/l]*	*0.06544890[mg/l]*	*0.00832760[mg/l]*	*0.01089930[mg/l]*	*0.01277930[mg/l]*	*0.19022200[mg/l]*	*0.01326310[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	317496	969436	607484	116473	138196	2937980	255846
Int RSD	*0.37140625*	*1.98084247*	*0.58468536*	*2.23290376*	*0.18876668*	*0.72180546*	*0.28020528*
Int SD	*1179.20000000*	*19203.0000000*	*3551.87000000*	*2600.73000000*	*260.86800000*	*21206.5000000*	*716.89400000*
RelInt Mean	0.16107300	0.02923110	0.31214200	0.16158700	0.18004100	1.53647000	0.13101200
RelInt RSD	*1.22022313*	*1.97049718*	*1.32683522*	*1.92700527*	*0.25102449*	*0.40968389*	*1.25077855*
RelInt SD	*0.00196545*	*0.00057600*	*0.00414161*	*0.00311379*	*0.00045195*	*0.00629467*	*0.00163867*
Conc Mean	1.04178000[mg/l]	0.99995000[mg/l]	1.05664000[mg/l]	56.40540000[mg/l]	51.03080000[mg/l]	1.04539000[mg/l]	1.02255000[mg/l]
Conc RSD	*1.22061280*	*1.97790890*	*1.33100204*	*1.96209937*	*0.25128158*	*0.40998383*	*1.25144003*
Conc SD	*0.01271610[mg/l]*	*0.01977810[mg/l]*	*0.01406390[mg/l]*	*1.10673000[mg/l]*	*0.12823100[mg/l]*	*0.00428593[mg/l]*	*0.01279660[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	550189	260846	77837.8000000	42690.8000000	29979.4000000	498664	759885
Int RSD	*1.80538142*	*0.46899320*	*0.35194468*	*0.11363362*	*0.47080662*	*0.66284512*	*0.39571646*
Int SD	*9933.01000000*	*1223.35000000*	*273.94600000*	*48.51110000*	*141.14500000*	*3305.37000000*	*3006.99000000*
RelInt Mean	0.77583300	0.13112900	0.03532720	0.01869490	0.01290860	0.25940300	1.10592000
RelInt RSD	*1.64246687*	*1.04034195*	*0.77249824*	*1.03630937*	*0.96370637*	*1.41494509*	*0.28082411*
RelInt SD	*0.01274280*	*0.00136419*	*0.00027290*	*0.00019374*	*0.00012440*	*0.00367041*	*0.00310569*
Conc Mean	53.44090000[mg/l]	1.04965000[mg/l]	1.06760000[mg/l]	1.02316000[mg/l]	0.99729500[mg/l]	5.15493000[mg/l]	1.11529000[mg/l]
Conc RSD	*1.67800318*	*1.04191873*	*0.76982859*	*1.03651433*	*0.96462531*	*1.41556141*	*0.28083368*
Conc SD	*0.89674000[mg/l]*	*0.01093650[mg/l]*	*0.00821869[mg/l]*	*0.01060520[mg/l]*	*0.00962016[mg/l]*	*0.07297120[mg/l]*	*0.00313211[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	3530400	31820.6000000	201509	1916220	31092700	688495	640947
Int RSD	*3.18252889*	*0.30119042*	*2.03837546*	*1.07310225*	*0.18673483*	*0.45803673*	*0.46973307*
Int SD	*112356*	*95.84060000*	*4107.51000000*	*20563.0000000*	*58060.9000000*	*3153.56000000*	*3010.74000000*
RelInt Mean	0.11132000	0.01401780	0.00594253	---	---	---	0.33306600
RelInt RSD	*3.17729968*	*0.89309307*	*2.12002295*	---	---	---	*1.38508584*
RelInt SD	*0.00353697*	*0.00012519*	*0.00012598*	---	---	---	*0.00461325*
Conc Mean	1.03739000[mg/l]	1.08805000[mg/l]	0.98634000[mg/l]	1903730	30997500	674249	1.09996000[mg/l]
Conc RSD	*3.18045287*	*0.88323515*	*2.13801529*	---	---	---	*1.38686861*
Conc SD	*0.03299370[mg/l]*	*0.00961004[mg/l]*	*0.02108810[mg/l]*	*20546.8000000*	*58067.0000000*	*3130.87000000*	*0.01525500[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	291400	128906	658237	289907	511988	114608	
Int RSD	*0.71474262*	*1.93343211*	*0.48002467*	*0.56490185*	*0.54719056*	*0.33244363*	
Int SD	*2082.76000000*	*2492.31000000*	*3159.70000000*	*1637.69000000*	*2801.55000000*	*381.00700000*	
RelInt Mean	0.42143700	0.15409000	0.33954100	0.14968500	0.26323300	0.05719290	
RelInt RSD	*0.28642715*	*2.03315595*	*1.23613349*	*1.23877476*	*1.33484024*	*1.01733782*	
RelInt SD	*0.00120711*	*0.00313289*	*0.00419718*	*0.00185426*	*0.00351374*	*0.00058185*	
Conc Mean	0.99181200[mg/l]	0.94731300[mg/l]	5.79651000[mg/l]	5.43469000[mg/l]	1.03849000[mg/l]	5.49745000[mg/l]	
Conc RSD	*0.28630426*	*2.04899542*	*1.24157985*	*1.24003209*	*1.33749001*	*1.01575822*	
Conc SD	*0.00283960[mg/l]*	*0.01941040[mg/l]*	*0.07196830[mg/l]*	*0.06739190[mg/l]*	*0.01388970[mg/l]*	*0.05584080[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236012	File:	met06_master011	Time:	24-OCT-2023 09:52
Cal:	483428236001	Caldate:	24-OCT-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	33053400	-1.01
Yttrium	A	2031070	2000310	-1.51
Yttrium	R	719619	712478	-0.99

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2023-10-24 09:52:49	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	67341.8000000	14703.2000000	4448.56000000	11439.6000000	10416.9000000	9705.75000000	9833.72000000
Int RSD	*0.49606040*	*0.39019941*	*0.42811157*	*1.09024791*	*0.29463852*	*1.02012415*	*0.55830652*
Int SD	*334.05600000*	*57.37180000*	*19.04480000*	*124.72000000*	*30.69220000*	*99.01070000*	*54.90230000*
RelInt Mean	0.00003432	0.00038247	-0.00010636	0.00057036	0.00004242	0.00343760	-0.00002318
RelInt RSD	*5.92986872*	*30.59928413*	*3.95907181*	*9.17729875*	*59.54289701*	*7.22888061*	*83.24208655*
RelInt SD	*0.00000204*	*0.00011703*	*0.00000421*	*0.00005234*	*0.00002526*	*0.00024850*	*0.00001929*
Conc Mean	<-0.00002413[mg/l]	<-0.00974140[mg/l]	<-0.00145554[mg/l]	<-0.00724790[mg/l]	<-0.00004717[mg/l]	<-0.00485006[mg/l]	<-0.00005886[mg/l]
Conc RSD	*350.74099247*	*117.68226333*	*18.13615565*	*9.76809835*	*166.74482998*	*199.30083339*	*179.66923558*
Conc SD	*0.00008463[mg/l]*	*0.01146390[mg/l]*	*0.00026398[mg/l]*	*0.00070798[mg/l]*	*0.00007865[mg/l]*	*0.00966621[mg/l]*	*0.00010575[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	10128.1000000	63799.7000000	13905.1000000	9352.92000000	16450.6000000	12537.3000000	6224.87000000
Int RSD	*0.32414076*	*0.29854999*	*0.62096785*	*1.73485927*	*1.37512917*	*0.71648521*	*0.58612148*
Int SD	*32.82930000*	*190.47400000*	*86.34620000*	*162.26000000*	*226.21700000*	*89.82790000*	*36.48530000*
RelInt Mean	0.00002444	0.00010729	0.00069082	0.00335984	0.00024945	0.00027669	0.00010435
RelInt RSD	*125.18528219*	*7.42229865*	*12.61171474*	*6.69525930*	*120.14840411*	*29.71979877*	*11.64452878*
RelInt SD	*0.00003059*	*0.00000796*	*0.00008712*	*0.00022495*	*0.00029972*	*0.00008223*	*0.00001215*
Conc Mean	<0.00015804[mg/l]	<0.00003171[mg/l]	<-0.00121190[mg/l]	<0.16158300[mg/l]	<-0.00840043[mg/l]	<-0.00060680[mg/l]	<0.00029616[mg/l]
Conc RSD	*125.18602415*	*862.29637456*	*24.41777374*	*49.48688909*	*1012.84577099*	*9.22745678*	*32.03821570*
Conc SD	*0.00019785[mg/l]*	*0.00027340[mg/l]*	*0.00029592[mg/l]*	*0.07996240[mg/l]*	*0.08508340[mg/l]*	*0.00005599[mg/l]*	*0.00009488[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	38929.3000000	10795.9000000	9918.51000000	6714.14000000	5104.03000000	4784.31000000	14244.5000000
Int RSD	*0.42054699*	*0.44529034*	*0.43945109*	*0.78016693*	*0.72928255*	*1.06638784*	*0.92877953*
Int SD	*163.71600000*	*48.07310000*	*43.58700000*	*52.38150000*	*37.22280000*	*51.01930000*	*132.30000000*
RelInt Mean	0.01910870	0.00014672	-0.00006395	0.00001273	-0.00000825	0.00014192	0.00040037
RelInt RSD	*2.26822337*	*19.94881337*	*39.76562830*	*213.13512070*	*266.08952908*	*18.26358992*	*28.11770201*
RelInt SD	*0.00043343*	*0.00002927*	*0.00002543*	*0.00002714*	*0.00002195*	*0.00002592*	*0.00011257*
Conc Mean	0.18990600[mg/l]	<0.00017064[mg/l]	<0.00081644[mg/l]	<0.00070015[mg/l]	<-0.00171099[mg/l]	<0.00083963[mg/l]	<-0.00011718[mg/l]
Conc RSD	*16.06094594*	*137.42909048*	*93.62380472*	*213.51281868*	*99.20163180*	*61.37129123*	*96.93028495*
Conc SD	*0.03050070[mg/l]*	*0.00023451[mg/l]*	*0.00076439[mg/l]*	*0.00149491[mg/l]*	*0.00169733[mg/l]*	*0.00051529[mg/l]*	*0.00011358[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	77582.9000000	4585.99000000	17989.5000000	2000310	33053400	712478	6728.49000000
Int RSD	*0.25145361*	*0.14795889*	*0.53012757*	*0.42051832*	*0.54691197*	*1.56261667*	*0.99225681*
Int SD	*195.08500000*	*6.78538000*	*95.36730000*	*8411.67000000*	*180773*	*11133.3000000*	*66.76390000*
RelInt Mean	0.00013198	-0.00007669	0.00005001	---	---	---	0.00017905
RelInt RSD	*5.09608201*	*23.13787928*	*4.29129576*	---	---	---	*20.03373265*
RelInt SD	*0.00000673*	*0.00001774*	*0.00000215*	---	---	---	*0.00003587*
Conc Mean	<0.00025120[mg/l]	<-0.00004738[mg/l]	<0.00022024[mg/l]	1988160	32959600	698162	<-0.00061944[mg/l]
Conc RSD	*24.97545751*	*2904.46072255*	*163.13220518*	---	---	---	*19.16666667*
Conc SD	*0.00006274[mg/l]*	*0.00137627[mg/l]*	*0.00035928[mg/l]*	*8496.28000000*	*180958*	*11164.0000000*	*0.00011873[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6519.34000000	25448.5000000	12485.5000000	4522.33000000	10024.1000000	4995.28000000	
Int RSD	*2.46245786*	*0.52261233*	*0.93095991*	*1.92150506*	*0.20753883*	*0.72853974*	
Int SD	*160.53600000*	*132.99700000*	*116.23500000*	*86.89680000*	*20.80390000*	*36.39260000*	
RelInt Mean	-0.00023637	0.00153575	0.00080390	0.00009480	0.00008102	-0.00011588	
RelInt RSD	*78.86642862*	*10.42780400*	*6.51785803*	*39.14557827*	*17.54156638*	*9.60665188*	
RelInt SD	*0.00018642*	*0.00016015*	*0.00005240*	*0.00003711*	*0.00001421*	*0.00001113*	
Conc Mean	<0.00011968[mg/l]	<0.00219051[mg/l]	<-0.01131130[mg/l]	<-0.00285964[mg/l]	<0.00003646[mg/l]	<-0.00248290[mg/l]	
Conc RSD	*366.33159531*	*45.29283135*	*7.96664398*	*47.17307074*	*151.88682609*	*43.02750816*	
Conc SD	*0.00043841[mg/l]*	*0.00099214[mg/l]*	*0.00090113[mg/l]*	*0.00134898[mg/l]*	*0.00005538[mg/l]*	*0.00106833[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236013	File:	met06_master011	Time:	24-OCT-2023 09:56
Cal:	483428236001	Caldate:	24-OCT-2023		

Standards: S19107, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01152]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.3	mg/l	91	
Aluminum	R	400.0	390.2	mg/l	98	
Calcium	R	400.0	403.6	mg/l	101	
Magnesium	R	400.0	413.9	mg/l	103	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	28990200	-13.18
Yttrium	A	2031070	1803050	-11.23
Yttrium	R	719619	673511	-6.41

-=low bias a=ICSA

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICSA,S19107			Sample Type: Control Sample
Measure Date: 2023-10-24 09:56:04	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	67179.8000000	2664590	12410.3000000	15278.2000000	14880.9000000	6860130	12139.6000000
Int RSD	*0.40887439*	*1.02404498*	*0.37676043*	*0.58504078*	*0.57517422*	*1.27164646*	*0.23911249*
Int SD	*274.68100000*	*27286.6000000*	*46.75710000*	*89.38370000*	*85.59110000*	*87236.6000000*	*29.02730000*
RelInt Mean	0.00000673	3.98372000	-0.00004532	0.00092985	0.00150031	10.38010000	0.00025872
RelInt RSD	*186.64784547*	*2.46365457*	*30.28198226*	*5.74840968*	*2.78427125*	*2.71618771*	*17.54215964*
RelInt SD	*0.00001256*	*0.09814510*	*0.00001372*	*0.00005345*	*0.00004177*	*0.28194300*	*0.00004538*
Conc Mean	<-0.00117152[mg/l]	>390.17500000[mg/l]	<0.00237572[mg/l]	<-0.00238575[mg/l]	0.00451415[mg/l]	>403.62000000[mg/l]	0.00148168[mg/l]
Conc RSD	*44.58464217*	*2.46413020*	*36.24539087*	*30.30300744*	*2.88291262*	*2.71693672*	*16.78311106*
Conc SD	*0.00052232[mg/l]*	*9.61442000[mg/l]*	*0.00086109[mg/l]*	*0.00072295[mg/l]*	*0.00013014[mg/l]*	*10.96610000[mg/l]*	*0.00024867[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	12236.0000000	67694.3000000	76545500	12037.0000000	981986	28016.3000000	18463.0000000
Int RSD	*0.11050343*	*0.61978187*	*0.85907859*	*2.17687962*	*1.11296902*	*0.84642155*	*0.25274874*
Int SD	*13.52120000*	*419.55700000*	*657586*	*262.03100000*	*10929.2000000*	*237.13600000*	*46.66500000*
RelInt Mean	-0.00035276	0.00017837	42.78890000	0.00850137	1.45830000	0.00568732	-0.00018938
RelInt RSD	*8.97834222*	*2.75486909*	*1.14332222*	*1.96814161*	*0.40383049*	*2.63419326*	*9.81455275*
RelInt SD	*0.00003167*	*0.00000491*	*0.48921500*	*0.00016732*	*0.00588906*	*0.00014982*	*0.00001859*
Conc Mean	<-0.00228157[mg/l]	0.00247218[mg/l]	>145.32900000[mg/l]	1.98920000[mg/l]	>413.90300000[mg/l]	0.00307729[mg/l]	<-0.00199754[mg/l]
Conc RSD	*8.97820361*	*6.82490757*	*1.14315794*	*2.98968932*	*0.40399804*	*3.31486470*	*7.26633760*
Conc SD	*0.00020484[mg/l]*	*0.00016872[mg/l]*	*1.66134000[mg/l]*	*0.05947090[mg/l]*	*1.67216000[mg/l]*	*0.00010201[mg/l]*	*0.00014515[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	43086.4000000	12655.0000000	26350.1000000	21531.8000000	15044.8000000	12332.2000000	15437.4000000
Int RSD	*1.02796242*	*0.65967918*	*0.68658183*	*0.98294615*	*0.34627446*	*0.38040901*	*2.26685193*
Int SD	*442.91200000*	*83.48240000*	*180.91500000*	*211.64600000*	*52.09630000*	*46.91280000*	*349.94300000*
RelInt Mean	0.02914140	0.00008586	0.00293414	0.00004248	0.00009721	0.00000464	0.00283675
RelInt RSD	*1.87190732*	*61.43154467*	*0.82293619*	*258.09413277*	*5.45397405*	*397.65191377*	*3.76807967*
RelInt SD	*0.00054550*	*0.00005275*	*0.00002415*	*0.00010963*	*0.00000530*	*0.00001846*	*0.00010689*
Conc Mean	0.89591200[mg/l]	<-0.00031697[mg/l]	<-0.01151750[mg/l]	<0.00235207[mg/l]	0.00644509[mg/l]	<-0.00188953[mg/l]	0.00234099[mg/l]
Conc RSD	*4.28463956*	*133.33080942*	*26.53049707*	*256.58505061*	*6.36177307*	*19.42483051*	*4.60681165*
Conc SD	*0.03838660[mg/l]*	*0.00042262[mg/l]*	*0.00305565[mg/l]*	*0.00603506[mg/l]*	*0.00041002[mg/l]*	*0.00036704[mg/l]*	*0.00010784[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	86015.5000000	12661.9000000	21382.1000000	1803050	28990200	673511	24499.6000000
Int RSD	*0.88865960*	*0.47430638*	*0.50692402*	*0.76394997*	*1.16510062*	*1.42643253*	*0.98987330*
Int SD	*764.38500000*	*60.05620000*	*108.39100000*	*13774.4000000*	*337765*	*9607.18000000*	*242.51500000*
RelInt Mean	0.00031523	-0.00004980	0.00004829	---	---	---	0.00237535
RelInt RSD	*3.57971037*	*27.40884135*	*17.02077828*	---	---	---	*6.91089734*
RelInt SD	*0.00001128*	*0.00001365*	*0.00000822*	---	---	---	*0.00016416*
Conc Mean	0.00196055[mg/l]	<0.00204052[mg/l]	<-0.00006710[mg/l]	1788500	28882000	659716	0.00664658[mg/l]
Conc RSD	*5.36910561*	*51.89314488*	*2050.78221058*	---	---	---	*8.16934423*
Conc SD	*0.00010526[mg/l]*	*0.00105889[mg/l]*	*0.00137604[mg/l]*	*13802.8000000*	*338023*	*9961.39000000*	*0.00054298[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6148.78000000	24321.8000000	16658.9000000	9870.17000000	12126.6000000	13595.5000000	
Int RSD	*5.04194328*	*1.82568724*	*0.33599998*	*1.02746964*	*1.10038263*	*0.77324115*	
Int SD	*310.01800000*	*444.04000000*	*55.97390000*	*101.41300000*	*133.43900000*	*105.12600000*	
RelInt Mean	-0.00036008	0.00237742	0.00133778	0.00014574	-0.00044156	0.00106374	
RelInt RSD	*37.62545893*	*1.03877312*	*2.15034610*	*43.45855633*	*14.71798530*	*6.11831839*	
RelInt SD	*0.00013548*	*0.00002470*	*0.00002877*	*0.00006334*	*0.00006499*	*0.00006508*	
Conc Mean	<-0.00017127[mg/l]	0.00740489[mg/l]	<-0.00206982[mg/l]	<-0.00100811[mg/l]	<-0.00204711[mg/l]	0.11072600[mg/l]	
Conc RSD	*186.03992596*	*2.06645879*	*24.08243229*	*228.37388777*	*12.71299539*	*5.64120441*	
Conc SD	*0.00031863[mg/l]*	*0.00015302[mg/l]*	*0.00049846[mg/l]*	*0.00230226[mg/l]*	*0.00026025[mg/l]*	*0.00624628[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236014	File:	met06_master011	Time:	24-OCT-2023 09:59
Cal:	483428236001	Caldate:	24-OCT-2023		

Standards: S19108, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.026	mg/l	3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	29144700	-12.71
Yttrium	A	2031070	1788980	-11.92
Yttrium	R	719619	664749	-7.62

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICSAB,S19108			Sample Type: Control Sample
Measure Date: 2023-10-24 09:59:20	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	799583	2658370	12472.6000000	15368.1000000	313959	6824440	174625
Int RSD	*2.33811874*	*1.45369155*	*0.89844138*	*0.28055648*	*0.65776105*	*1.37223714*	*0.81371510*
Int SD	*18695.2000000*	*38644.5000000*	*112.05900000*	*43.11620000*	*2065.10000000*	*93647.5000000*	*1420.95000000*
RelInt Mean	0.02518910	4.02862000	0.00001113	0.00101318	0.17001400	10.46480000	0.09171830
RelInt RSD	*2.54582736*	*0.59303682*	*878.03352919*	*2.70057640*	*0.70658299*	*0.50292027*	*0.93352690*
RelInt SD	*0.00064127*	*0.02389120*	*0.00009773*	*0.00002736*	*0.00120129*	*0.05262960*	*0.00085622*
Conc Mean	1.04593000[mg/l]	>394.57300000[mg/l]	<0.00546784[mg/l]	<-0.00125858[mg/l]	0.53077200[mg/l]	>406.91600000[mg/l]	0.50224900[mg/l]
Conc RSD	*2.54933887*	*0.59311458*	*112.10752326*	*29.40559996*	*0.70696269*	*0.50328569*	*0.93340753*
Conc SD	*0.02666430[mg/l]*	*2.34027000[mg/l]*	*0.00612986[mg/l]*	*0.00037009[mg/l]*	*0.00375236[mg/l]*	*2.04795000[mg/l]*	*0.00468803[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	151917	518138	77046900	12325.6000000	974234	1405240	18487.6000000
Int RSD	*0.77074982*	*2.20508822*	*1.02866176*	*0.29573327*	*0.78015343*	*0.23701432*	*0.88760575*
Int SD	*1170.90000000*	*11425.4000000*	*792552*	*36.45090000*	*7600.52000000*	*3330.62000000*	*164.09700000*
RelInt Mean	0.07832580	0.01565770	43.40940000	0.00893102	1.46614000	0.78194700	-0.00023166
RelInt RSD	*0.83137485*	*2.46947508*	*1.03058554*	*2.07035703*	*0.19451689*	*0.28766911*	*54.51472823*
RelInt SD	*0.00065118*	*0.00038666*	*0.44737100*	*0.00018490*	*0.00285189*	*0.00224942*	*0.00012629*
Conc Mean	0.50659300[mg/l]	0.53392800[mg/l]	>147.43700000[mg/l]	2.14193000[mg/l]	>416.12800000[mg/l]	0.53163100[mg/l]	<-0.00232774[mg/l]
Conc RSD	*0.83135574*	*2.48630902*	*1.03060968*	*3.06848963*	*0.19470067*	*0.28806447*	*42.36761838*
Conc SD	*0.00421159[mg/l]*	*0.01327510[mg/l]*	*1.51950000[mg/l]*	*0.06572490[mg/l]*	*0.81020400[mg/l]*	*0.00153144[mg/l]*	*0.00098621[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	43560.5000000	236237	87452.7000000	21494.2000000	15141.7000000	12245.0000000	15317.9000000
Int RSD	*0.91399548*	*0.63848593*	*0.24622224*	*0.33728913*	*1.30359867*	*0.54172642*	*0.74680602*
Int SD	*398.14100000*	*1508.34000000*	*215.32800000*	*72.49760000*	*197.38700000*	*66.33440000*	*114.39500000*
RelInt Mean	0.03023780	0.12598000	0.03737750	0.00003742	0.00017906	-0.00002652	0.00262540
RelInt RSD	*3.18395849*	*0.71468566*	*0.21970276*	*49.31726843*	*66.93454708*	*235.40366346*	*3.86771540*
RelInt SD	*0.00096276*	*0.00090036*	*0.00008212*	*0.00001846*	*0.00011985*	*0.00006242*	*0.00010154*
Conc Mean	0.97306700[mg/l]	1.00839000[mg/l]	1.02580000[mg/l]	<-0.00091140[mg/l]	0.01277560[mg/l]	<-0.00250896[mg/l]	0.00212775[mg/l]
Conc RSD	*6.96261409*	*0.71503982*	*0.19816826*	*113.44549802*	*72.55682708*	*49.45834130*	*4.81518035*
Conc SD	*0.06775090[mg/l]*	*0.00721039[mg/l]*	*0.00203281[mg/l]*	*0.00103394[mg/l]*	*0.00926957[mg/l]*	*0.00124089[mg/l]*	*0.00010246[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	86025.0000000	12848.9000000	107028	1788980	29144700	664749	587644
Int RSD	*0.25314037*	*0.32540918*	*0.87537560*	*0.06898121*	*0.19313014*	*0.96540198*	*0.70342759*
Int SD	*217.76400000*	*41.81150000*	*936.89700000*	*1234.06000000*	*56287.2000000*	*6417.50000000*	*4133.65000000*
RelInt Mean	0.00032167	0.00001091	0.00299030	---	---	---	0.31965800
RelInt RSD	*2.39919483*	*336.73720111*	*1.18925191*	---	---	---	*0.76192681*
RelInt SD	*0.00000772*	*0.00003673*	*0.00003556*	---	---	---	*0.00243556*
Conc Mean	0.00202057[mg/l]	0.00675069[mg/l]	0.49248300[mg/l]	1774410	29036100	650793	1.05588000[mg/l]
Conc RSD	*3.56258383*	*42.18576175*	*1.20891686*	---	---	---	*0.76267284*
Conc SD	*0.00007198[mg/l]*	*0.00284783[mg/l]*	*0.00595371[mg/l]*	*1187.53000000*	*55902.4000000*	*6399.54000000*	*0.00805291[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	144530	24322.1000000	16841.7000000	10080.1000000	497945	13665.3000000	
Int RSD	*0.71010171*	*0.92670452*	*0.25733685*	*1.26468983*	*0.67284740*	*0.85298530*	
Int SD	*1026.31000000*	*225.39400000*	*43.33990000*	*127.48200000*	*3350.41000000*	*116.56300000*	
RelInt Mean	0.21181400	0.00220038	0.00147307	0.00029945	0.27291200	0.00113235	
RelInt RSD	*0.31792516*	*3.64422054*	*4.65296965*	*16.24211054*	*0.72227311*	*7.03985517*	
RelInt SD	*0.00067341*	*0.00008019*	*0.00006854*	*0.00004864*	*0.00197117*	*0.00007972*	
Conc Mean	0.49882100[mg/l]	0.00630810[mg/l]	<0.00026659[mg/l]	<0.00457918[mg/l]	1.08056000[mg/l]	0.11731000[mg/l]	
Conc RSD	*0.31771116*	*7.87525562*	*441.36435760*	*38.60822243*	*0.72099374*	*6.52110647*	
Conc SD	*0.00158481[mg/l]*	*0.00049678[mg/l]*	*0.00117662[mg/l]*	*0.00176794[mg/l]*	*0.00779077[mg/l]*	*0.00764991[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236108	File:	met06_master011	Time:	24-OCT-2023 15:50
Cal:	483428236001	Caldate:	24-OCT-2023		

Standards: S19239, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0296	0.0358	1.000	1.083	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	32562300	-2.48
Yttrium	A	2031070	1983570	-2.34
Yttrium	R	719619	669277	-7.00

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S19239			Sample Type: Control Sample
Measure Date: 2023-10-24 15:50:31	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	443116	24809.9000000	37741.8000000	156059	662446	884257	390328
Int RSD	*2.56883074*	*0.53703562*	*0.55331224*	*0.81785735*	*0.41372882*	*0.27012509*	*0.48485889*
Int SD	*11382.9000000*	*133.23800000*	*208.83000000*	*1276.34000000*	*2740.73000000*	*2388.60000000*	*1892.54000000*
RelInt Mean	0.01129760	0.01087690	0.01627460	0.07303000	0.33008800	1.33770000	0.19209000
RelInt RSD	*3.71044293*	*3.57393191*	*2.60250943*	*1.58499247*	*1.57489518*	*0.47752710*	*1.52487376*
RelInt SD	*0.00041919*	*0.00038873*	*0.00042355*	*0.00115752*	*0.00519854*	*0.00638788*	*0.00292913*
Conc Mean	0.46831000[mg/l]	1.01823000[mg/l]	1.02532000[mg/l]	0.97280600[mg/l]	1.02701000[mg/l]	51.89450000[mg/l]	1.05002000[mg/l]
Conc RSD	*3.72159467*	*3.73960697*	*2.58986463*	*1.60937535*	*1.57563217*	*0.47866537*	*1.52899945*
Conc SD	*0.01742860[mg/l]*	*0.03807780[mg/l]*	*0.02655440[mg/l]*	*0.01565610[mg/l]*	*0.01618190[mg/l]*	*0.24840100[mg/l]*	*0.01605480[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	322432	971690	672028	107892	131561	2954750	258884
Int RSD	*0.25162112*	*2.93112001*	*5.66294857*	*1.50862900*	*0.21321820*	*1.07245960*	*0.57714652*
Int SD	*811.30700000*	*28481.4000000*	*38056.6000000*	*1627.69000000*	*280.51200000*	*31688.5000000*	*1494.14000000*
RelInt Mean	0.15746400	0.02774800	0.33373100	0.15274300	0.17522600	1.49304000	0.12769600
RelInt RSD	*1.84901946*	*3.63269425*	*6.73155925*	*1.96263004*	*0.57566799*	*0.82471334*	*1.47240321*
RelInt SD	*0.00291154*	*0.00100800*	*0.02246530*	*0.00299778*	*0.00100872*	*0.01231330*	*0.00188020*
Conc Mean	1.01844000[mg/l]	0.94902900[mg/l]	1.12996000[mg/l]	53.26180000[mg/l]	49.66400000[mg/l]	1.01582000[mg/l]	0.99666200[mg/l]
Conc RSD	*1.84892581*	*3.64660089*	*6.75284966*	*2.00062709*	*0.57659673*	*0.82534307*	*1.47327780*
Conc SD	*0.01883020[mg/l]*	*0.03460730[mg/l]*	*0.07630450[mg/l]*	*1.06557000[mg/l]*	*0.28636100[mg/l]*	*0.00838400[mg/l]*	*0.01468360[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	505579	269162	82819.8000000	43694.3000000	31633.2000000	518278	730871
Int RSD	*1.01751259*	*0.26814112*	*0.72187327*	*0.50077012*	*0.61002048*	*0.30928189*	*0.34546726*
Int SD	*5144.33000000*	*721.73400000*	*597.85400000*	*218.80800000*	*192.96900000*	*1602.94000000*	*2524.92000000*
RelInt Mean	0.72913400	0.13015800	0.03582880	0.01803480	0.01291350	0.26043300	1.09412000
RelInt RSD	*1.69571025*	*1.86504095*	*2.61087170*	*2.57169472*	*2.75547295*	*1.65391483*	*0.49412861*
RelInt SD	*0.01236400*	*0.00242750*	*0.00093544*	*0.00046380*	*0.00035583*	*0.00430734*	*0.00540636*
Conc Mean	50.15470000[mg/l]	1.04187000[mg/l]	1.08271000[mg/l]	0.98695100[mg/l]	0.99767400[mg/l]	5.17540000[mg/l]	1.10338000[mg/l]
Conc RSD	*1.73471080*	*1.86723872*	*2.60520361*	*2.57615626*	*2.75867668*	*1.65453492*	*0.49444888*
Conc SD	*0.87003900[mg/l]*	*0.01945420[mg/l]*	*0.02820680[mg/l]*	*0.02542540[mg/l]*	*0.02752260[mg/l]*	*0.08562880[mg/l]*	*0.00545565[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	3729210	32854.2000000	207895	1983570	32562300	669277	672919
Int RSD	*3.01195159*	*0.47870592*	*2.66860675*	*1.89406474*	*0.64787193*	*0.65113847*	*0.32000583*
Int SD	*112322*	*157.27500000*	*5547.90000000*	*37570.1000000*	*210962*	*4357.92000000*	*2153.38000000*
RelInt Mean	0.11214400	0.01371440	0.00579763	---	---	---	0.33774100
RelInt RSD	*3.49331217*	*2.43300472*	*3.53494445*	---	---	---	*1.78880266*
RelInt SD	*0.00391754*	*0.00033367*	*0.00020494*	---	---	---	*0.00604152*
Conc Mean	1.04508000[mg/l]	1.06456000[mg/l]	0.96209100[mg/l]	1969230	32456900	654994	1.11543000[mg/l]
Conc RSD	*3.49660313*	*2.43283610*	*3.56648176*	---	---	---	*1.79076231*
Conc SD	*0.03654230[mg/l]*	*0.02589900[mg/l]*	*0.03431280[mg/l]*	*37635.9000000*	*210009*	*4431.24000000*	*0.01997470[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	272560	118732	661156	298264	514842	120299	
Int RSD	*0.47843778*	*1.83277465*	*0.40029887*	*0.28558626*	*0.21243411*	*0.21805252*	
Int SD	*1304.03000000*	*2176.09000000*	*2646.60000000*	*851.80100000*	*1093.70000000*	*262.31500000*	
RelInt Mean	0.40512300	0.14173900	0.32895400	0.14870400	0.25516200	0.05791350	
RelInt RSD	*0.38905962*	*2.92397294*	*1.58806398*	*1.69595303*	*1.79292763*	*1.87859480*	
RelInt SD	*0.00157617*	*0.00414441*	*0.00522400*	*0.00252195*	*0.00457487*	*0.00108796*	
Conc Mean	0.95344600[mg/l]	0.87079500[mg/l]	5.61486000[mg/l]	5.39902000[mg/l]	1.00655000[mg/l]	5.56661000[mg/l]	
Conc RSD	*0.38875196*	*2.94829437*	*1.59555358*	*1.69777663*	*1.79072078*	*1.87561191*	
Conc SD	*0.00370654[mg/l]*	*0.02567360[mg/l]*	*0.08958810[mg/l]*	*0.09166330[mg/l]*	*0.01802450[mg/l]*	*0.10440800[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236109	File:	met06_master011	Time:	24-OCT-2023 15:53
Cal:	483428236001	Caldate:	24-OCT-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	34558200	3.50
Yttrium	A	2031070	2071840	2.01
Yttrium	R	719619	688382	-4.34

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2023-10-24 15:53:44	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	76064.2000000	14748.7000000	5166.36000000	12779.0000000	12032.2000000	9837.02000000	11647.6000000
Int RSD	*0.47920309*	*2.96885149*	*0.27789391*	*0.97652398*	*0.90443144*	*4.13461597*	*1.10262200*
Int SD	*364.50200000*	*437.86700000*	*14.35700000*	*124.79000000*	*108.82300000*	*406.72300000*	*128.42900000*
RelInt Mean	0.00002452	0.00025926	-0.00006958	0.00046185	0.00006873	0.00376117	0.00010462
RelInt RSD	*11.37800366*	*154.81520624*	*23.50251144*	*13.05084085*	*103.85500659*	*8.80622253*	*69.36426462*
RelInt SD	*0.00000279*	*0.00040138*	*0.00001635*	*0.00006028*	*0.00007138*	*0.00033122*	*0.00007257*
Conc Mean	<-0.00043197[mg/l]	<-0.02181040[mg/l]	<0.00085188[mg/l]	<-0.00871558[mg/l]	<0.00002987[mg/l]	<0.00773599[mg/l]	0.00062427[mg/l]
Conc RSD	*26.85095586*	*180.26491949*	*120.43860741*	*9.35397300*	*738.98849882*	*166.53977060*	*63.82181542*
Conc SD	*0.00011599[mg/l]*	*0.03931650[mg/l]*	*0.00102599[mg/l]*	*0.00081525[mg/l]*	*0.00022071[mg/l]*	*0.01288350[mg/l]*	*0.00039842[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	11546.8000000	77472.7000000	24509.2000000	8648.54000000	16397.2000000	14956.0000000	7586.22000000
Int RSD	*1.02724564*	*5.41204837*	*9.14423971*	*2.55891746*	*1.33965555*	*0.88678122*	*2.37313181*
Int SD	*118.61400000*	*4192.86000000*	*2241.18000000*	*221.30900000*	*219.66600000*	*132.62700000*	*180.03100000*
RelInt Mean	-0.00002114	0.00027004	0.00486423	0.00193636	0.00024769	0.00048968	0.00028345
RelInt RSD	*308.97426803*	*43.28199583*	*22.89920501*	*1.58540767*	*89.30001776*	*17.65776694*	*27.69860926*
RelInt SD	*0.00006533*	*0.00011688*	*0.00111387*	*0.00003070*	*0.00022119*	*0.00008647*	*0.00007851*
Conc Mean	<-0.00013676[mg/l]	0.00561958[mg/l]	0.01296310[mg/l]	<-0.34441000[mg/l]	<-0.00890060[mg/l]	<-0.00046178[mg/l]	0.00169475[mg/l]
Conc RSD	*308.97484645*	*71.40942917*	*29.18499433*	*3.16852008*	*705.47154124*	*12.74953441*	*36.17589615*
Conc SD	*0.00042255[mg/l]*	*0.00401291[mg/l]*	*0.00378328[mg/l]*	*0.01091270[mg/l]*	*0.06279120[mg/l]*	*0.00005887[mg/l]*	*0.00061309[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	27579.9000000	12137.5000000	11566.6000000	7764.59000000	5961.93000000	6628.16000000	14161.0000000
Int RSD	*1.17607025*	*0.59397158*	*0.85649802*	*0.29969129*	*0.62355143*	*8.10540180*	*2.42985665*
Int SD	*324.35900000*	*72.09330000*	*99.06770000*	*23.26980000*	*37.17570000*	*537.23900000*	*344.09200000*
RelInt Mean	0.00145810	0.00000115	-0.00011437	0.00000365	0.00001606	0.00070010	0.00024059
RelInt RSD	*18.66168301*	*1593.41147762*	*70.52756745*	*529.94051336*	*164.12738933*	*37.80445651*	*98.48163666*
RelInt SD	*0.00027211*	*0.00001828*	*0.00008067*	*0.00001935*	*0.00002636*	*0.00026467*	*0.00023694*
Conc Mean	<-1.05217000[mg/l]	<-0.00099572[mg/l]	<-0.00070122[mg/l]	<0.00020182[mg/l]	<0.00016907[mg/l]	0.01193610[mg/l]	<-0.00027838[mg/l]
Conc RSD	*1.81971545*	*14.71225373*	*345.81301161*	*526.72130173*	*1205.86860986*	*44.08165146*	*85.87172441*
Conc SD	*0.01914650[mg/l]*	*0.00014649[mg/l]*	*0.00242491[mg/l]*	*0.00106305[mg/l]*	*0.00203875[mg/l]*	*0.00526163[mg/l]*	*0.00023905[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	123153	5271.56000000	21832.5000000	2071840	34558200	688382	7852.14000000
Int RSD	*3.84846492*	*0.47859078*	*3.41751059*	*0.22500097*	*0.82311289*	*0.49723555*	*1.66948119*
Int SD	*4739.50000000*	*25.22920000*	*746.12800000*	*4661.66000000*	*284453*	*3422.88000000*	*131.09000000*
RelInt Mean	0.00116833	-0.00006944	0.00008771	---	---	---	0.00022490
RelInt RSD	*11.84203093*	*31.89327051*	*25.75211674*	---	---	---	*22.89637969*
RelInt SD	*0.00013835*	*0.00002215*	*0.00002259*	---	---	---	*0.00005149*
Conc Mean	0.00991802[mg/l]	<0.00048683[mg/l]	0.00653029[mg/l]	2057790	34454200	674123	<-0.00046765[mg/l]
Conc RSD	*13.01217380*	*351.93321707*	*57.90125707*	---	---	---	*36.37611648*
Conc SD	*0.00129055[mg/l]*	*0.00171332[mg/l]*	*0.00378112[mg/l]*	*4643.83000000*	*285166*	*3638.32000000*	*0.00017011[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6483.03000000	25642.3000000	14607.6000000	5211.12000000	11663.2000000	5616.80000000	
Int RSD	*5.06473053*	*2.32954532*	*0.83474356*	*2.11962112*	*0.92944475*	*1.40145456*	
Int SD	*328.34800000*	*597.34900000*	*121.93600000*	*110.45600000*	*108.40300000*	*78.71690000*	
RelInt Mean	-0.00035238	0.00042815	0.00111763	0.00018663	0.00013184	-0.00011185	
RelInt RSD	*75.57991044*	*69.15581382*	*2.37702997*	*29.00233622*	*37.96764186*	*33.09593842*	
RelInt SD	*0.00026633*	*0.00029609*	*0.00002657*	*0.00005413*	*0.00005006*	*0.00003702*	
Conc Mean	<-0.00015317[mg/l]	<-0.00467140[mg/l]	<-0.00594236[mg/l]	<0.00047807[mg/l]	<0.00022935[mg/l]	<-0.00209672[mg/l]	
Conc RSD	*408.93398099*	*39.26831357*	*7.73246656*	*411.54224277*	*87.90386577*	*169.44036400*	
Conc SD	*0.00062636[mg/l]*	*0.00183438[mg/l]*	*0.00045949[mg/l]*	*0.00196746[mg/l]*	*0.00020160[mg/l]*	*0.00355269[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236119	File:	met06_master011	Time:	24-OCT-2023 16:27
Cal:	483428236001	Caldate:	24-OCT-2023		

Standards: S19239, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0296	0.0358	1.000	1.083	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	32832500	-1.67
Yttrium	A	2031070	2004890	-1.29
Yttrium	R	719619	670719	-6.80

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S19239			Sample Type: Control Sample
Measure Date: 2023-10-24 16:27:28	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	448356	25116.5000000	38233.1000000	156757	670542	885207	395805
Int RSD	*2.00816985*	*1.09581351*	*0.11364708*	*0.50899354*	*0.51374411*	*1.43212830*	*0.44507523*
Int SD	*9003.75000000*	*275.23000000*	*43.45080000*	*797.88300000*	*3444.87000000*	*12677.3000000*	*1761.63000000*
RelInt Mean	0.01133370	0.01098070	0.01632930	0.07248620	0.33048700	1.33633000	0.19267200
RelInt RSD	*3.29848152*	*3.43229484*	*0.27256282*	*0.81170761*	*0.76356407*	*0.12127169*	*0.73068739*
RelInt SD	*0.00037384*	*0.00037689*	*0.00004451*	*0.00058838*	*0.00252348*	*0.00162059*	*0.00140783*
Conc Mean	0.46981300[mg/l]	1.02839000[mg/l]	1.02874000[mg/l]	0.96545200[mg/l]	1.02825000[mg/l]	51.84130000[mg/l]	1.05327000[mg/l]
Conc RSD	*3.30891227*	*3.58962067*	*0.27120750*	*0.82431545*	*0.76408655*	*0.12153032*	*0.72867926*
Conc SD	*0.01554570[mg/l]*	*0.03691530[mg/l]*	*0.00279002[mg/l]*	*0.00795837[mg/l]*	*0.00785672[mg/l]*	*0.06300290[mg/l]*	*0.00767496[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	327305	982497	635115	109380	132101	3006310	262373
Int RSD	*0.33335879*	*2.15102947*	*0.54190816*	*0.78889925*	*0.60113928*	*0.29901274*	*0.45911736*
Int SD	*1091.10000000*	*21133.8000000*	*3441.74000000*	*862.89800000*	*794.11100000*	*8989.25000000*	*1204.60000000*
RelInt Mean	0.15813900	0.02782610	0.31133100	0.15441100	0.17533600	1.50287000	0.12805900
RelInt RSD	*0.60024093*	*3.24179098*	*0.76002390*	*2.13381819*	*0.48542912*	*0.27912794*	*0.74242420*
RelInt SD	*0.00094922*	*0.00090206*	*0.00236619*	*0.00329485*	*0.00085113*	*0.00419493*	*0.00095074*
Conc Mean	1.02280000[mg/l]	0.95170800[mg/l]	1.05388000[mg/l]	53.85460000[mg/l]	49.69530000[mg/l]	1.02251000[mg/l]	0.99949200[mg/l]
Conc RSD	*0.60038228*	*3.25423344*	*0.76251091*	*2.17461461*	*0.48611036*	*0.27924715*	*0.74273731*
Conc SD	*0.00614071[mg/l]*	*0.03097080[mg/l]*	*0.00803595[mg/l]*	*1.17113000[mg/l]*	*0.24157400[mg/l]*	*0.00285533[mg/l]*	*0.00742360[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	523407	271870	83733.6000000	44151.5000000	31812.1000000	524972	731760
Int RSD	*1.67329249*	*0.57493655*	*0.48363381*	*0.38718956*	*0.12400313*	*0.37039499*	*1.35370340*
Int SD	*8758.13000000*	*1563.08000000*	*404.96400000*	*170.95000000*	*39.44800000*	*1944.47000000*	*9905.86000000*
RelInt Mean	0.75433300	0.13002900	0.03583310	0.01802710	0.01282910	0.26095500	1.09307000
RelInt RSD	*3.00519797*	*0.85171769*	*0.60943932*	*0.47472860*	*0.11728570*	*0.64741431*	*0.13427319*
RelInt SD	*0.02266920*	*0.00110748*	*0.00021838*	*0.00008558*	*0.00001505*	*0.00168946*	*0.00146770*
Conc Mean	51.92800000[mg/l]	1.04083000[mg/l]	1.08284000[mg/l]	0.98650600[mg/l]	0.99114300[mg/l]	5.18579000[mg/l]	1.10232000[mg/l]
Conc RSD	*3.07202280*	*0.85286454*	*0.60867811*	*0.47563928*	*0.11751180*	*0.64760046*	*0.13404819*
Conc SD	*1.59524000[mg/l]*	*0.00887687[mg/l]*	*0.00659101[mg/l]*	*0.00469221[mg/l]*	*0.00116471[mg/l]*	*0.03358320[mg/l]*	*0.00147764[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	3637050	33163.2000000	210764	2004890	32832500	670719	691689
Int RSD	*2.40742360*	*0.39697617*	*1.77706819*	*0.28301154*	*1.32783066*	*1.29554851*	*0.97698243*
Int SD	*87559.2000000*	*131.65000000*	*3745.42000000*	*5674.07000000*	*435960*	*8689.49000000*	*6757.68000000*
RelInt Mean	0.10840000	0.01370240	0.00583048	---	---	---	0.34348200
RelInt RSD	*3.62661439*	*0.36173809*	*3.00582456*	---	---	---	*1.10395013*
RelInt SD	*0.00393125*	*0.00004957*	*0.00017525*	---	---	---	*0.00379187*
Conc Mean	1.01015000[mg/l]	1.06371000[mg/l]	0.96759000[mg/l]	1990330	32725500	656207	1.13442000[mg/l]
Conc RSD	*3.62990645*	*0.36560717*	*3.03225540*	---	---	---	*1.10589552*
Conc SD	*0.03666750[mg/l]*	*0.00388900[mg/l]*	*0.02933980[mg/l]*	*5598.68000000*	*435962*	*8773.57000000*	*0.01254550[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	273019	123261	669652	300931	519936	121347	
Int RSD	*1.21738048*	*2.31788644*	*0.60619546*	*0.48073811*	*0.38699186*	*0.08227224*	
Int SD	*3323.68000000*	*2857.05000000*	*4059.40000000*	*1446.69000000*	*2012.11000000*	*99.83490000*	
RelInt Mean	0.40497700	0.14774600	0.32952700	0.14840300	0.25484300	0.05781720	
RelInt RSD	*0.15303931*	*4.20355881*	*0.87561262*	*0.73279516*	*0.66506830*	*0.26910158*	
RelInt SD	*0.00061977*	*0.00621059*	*0.00288538*	*0.00108749*	*0.00169488*	*0.00015559*	
Conc Mean	0.95310300[mg/l]	0.90801000[mg/l]	5.62466000[mg/l]	5.38807000[mg/l]	1.00527000[mg/l]	5.55737000[mg/l]	
Conc RSD	*0.15285441*	*4.23761853*	*0.88028965*	*0.73351683*	*0.66683379*	*0.26875482*	
Conc SD	*0.00145686[mg/l]*	*0.03847800[mg/l]*	*0.04951330[mg/l]*	*0.03952240[mg/l]*	*0.00670348[mg/l]*	*0.01493570[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236120	File:	met06_master011	Time:	24-OCT-2023 16:30
Cal:	483428236001	Caldate:	24-OCT-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	34733300	4.02
Yttrium	A	2031070	2097590	3.28
Yttrium	R	719619	685927	-4.68

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2023-10-24 16:30:42		Recalculation Date:		State: Checked		Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	77109.3000000	14709.5000000	5193.09000000	12891.5000000	12163.5000000	9973.91000000	11815.4000000
Int RSD	*0.42350793*	*0.74742173*	*0.69605379*	*0.91929566*	*0.97512229*	*1.47020577*	*0.78903211*
Int SD	*326.56400000*	*109.94200000*	*36.14670000*	*118.51100000*	*118.60900000*	*146.63700000*	*93.22730000*
RelInt Mean	0.00003553	0.00010334	-0.00008386	0.00049513	0.00004371	0.00395794	0.00010607
RelInt RSD	*14.89435421*	*37.56422786*	*26.50330862*	*15.89687453*	*94.76647359*	*10.91004411*	*43.34782117*
RelInt SD	*0.00000529*	*0.00003882*	*0.00002222*	*0.00007871*	*0.00004142*	*0.00043181*	*0.00004598*
Conc Mean	<0.00002597[mg/l]	<-0.03708330[mg/l]	<-0.00004385[mg/l]	<-0.00826556[mg/l]	<-0.00005049[mg/l]	<0.01538970[mg/l]	0.00063254[mg/l]
Conc RSD	*847.22986943*	*10.25421146*	*3180.10065515*	*12.87982907*	*252.06287460*	*109.13987927*	*39.42992198*
Conc SD	*0.00022004[mg/l]*	*0.00380260[mg/l]*	*0.00139456[mg/l]*	*0.00106459[mg/l]*	*0.00012726[mg/l]*	*0.01679630[mg/l]*	*0.00024941[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	11719.8000000	78776.6000000	21916.6000000	8768.05000000	16483.9000000	15023.1000000	7804.95000000
Int RSD	*1.55254356*	*6.25546165*	*7.60889007*	*0.72110675*	*1.09851431*	*3.32832771*	*2.68847334*
Int SD	*181.95500000*	*4927.84000000*	*1667.61000000*	*63.22700000*	*181.07800000*	*500.01800000*	*209.83400000*
RelInt Mean	0.00000678	0.00028830	0.00345790	0.00191065	0.00014345	0.00044099	0.00036111
RelInt RSD	*1280.81289807*	*47.67637877*	*22.40111050*	*1.53008662*	*71.16774837*	*57.90741182*	*28.21641111*
RelInt SD	*0.00008685*	*0.00013745*	*0.00077461*	*0.00002923*	*0.00010209*	*0.00025536*	*0.00010189*
Conc Mean	<0.00004386[mg/l]	0.00624643[mg/l]	0.00818653[mg/l]	<-0.35355100[mg/l]	<-0.03849360[mg/l]	<-0.00049493[mg/l]	0.00230122[mg/l]
Conc RSD	*1280.78659371*	*75.54907363*	*32.13791435*	*2.93957590*	*75.28706071*	*35.13127987*	*34.57626824*
Conc SD	*0.00056175[mg/l]*	*0.00471912[mg/l]*	*0.00263098[mg/l]*	*0.01039290[mg/l]*	*0.02898070[mg/l]*	*0.00017388[mg/l]*	*0.00079568[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	27924.9000000	12249.2000000	11724.1000000	7914.80000000	6016.08000000	6730.62000000	14355.8000000
Int RSD	*0.67169086*	*1.06439604*	*1.40929368*	*0.80591929*	*0.84731752*	*7.52764233*	*1.21009627*
Int SD	*187.56900000*	*130.38000000*	*165.22700000*	*63.78690000*	*50.97530000*	*506.65700000*	*173.71900000*
RelInt Mean	0.00147639	-0.00006767	-0.00008640	0.00002989	0.00000824	0.00071587	0.00019071
RelInt RSD	*30.84090247*	*128.61360550*	*102.85488755*	*56.47478043*	*277.83048051*	*33.82741607*	*67.27771340*
RelInt SD	*0.00045533*	*0.00008704*	*0.00008887*	*0.00001688*	*0.00002290*	*0.00024216*	*0.00012831*
Conc Mean	<-1.05089000[mg/l]	<-0.00154714[mg/l]	<0.00014624[mg/l]	<0.00164523[mg/l]	<-0.00043556[mg/l]	0.01224960[mg/l]	<-0.00032871[mg/l]
Conc RSD	*3.04888238*	*45.07523560*	*1832.81365389*	*56.32057524*	*406.67000335*	*39.30038532*	*39.38236976*
Conc SD	*0.03204040[mg/l]*	*0.00069738[mg/l]*	*0.00268038[mg/l]*	*0.00092660[mg/l]*	*0.00177130[mg/l]*	*0.00481414[mg/l]*	*0.00012945[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	123551	5322.99000000	22010.4000000	2097590	34733300	685927	10425.4000000
Int RSD	*4.11481898*	*0.33728788*	*4.98523425*	*0.15072822*	*1.14565561*	*0.51397306*	*5.55512498*
Int SD	*5083.90000000*	*17.95380000*	*1097.27000000*	*3161.66000000*	*397924*	*3525.48000000*	*579.14400000*
RelInt Mean	0.00114661	-0.00007772	0.00008928	---	---	---	0.00141594
RelInt RSD	*12.69934851*	*3.59779360*	*33.89305419*	---	---	---	*19.07722079*
RelInt SD	*0.00014561*	*0.00000280*	*0.00003026*	---	---	---	*0.00027012*
Conc Mean	0.00971540[mg/l]	<-0.00015664[mg/l]	0.00679405[mg/l]	2083440	34628100	671615	0.00347193[mg/l]
Conc RSD	*13.98007287*	*135.03067602*	*74.56406709*	---	---	---	*25.72675716*
Conc SD	*0.00135822[mg/l]*	*0.00021151[mg/l]*	*0.00506592[mg/l]*	*3210.13000000*	*397284*	*3546.70000000*	*0.00089322[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6547.65000000	25947.9000000	14337.2000000	5205.64000000	11805.0000000	5713.03000000	
Int RSD	*0.42042565*	*0.20562242*	*1.60412772*	*2.42354446*	*0.79266921*	*0.81544995*	
Int SD	*27.52800000*	*53.35470000*	*229.98700000*	*126.16100000*	*93.57460000*	*46.58690000*	
RelInt Mean	-0.00033091	0.00047140	0.00091277	0.00015873	0.00013633	-0.00007266	
RelInt RSD	*7.25144449*	*6.77119838*	*11.56311591*	*36.72204477*	*34.38986283*	*25.84448882*	
RelInt SD	*0.00002400*	*0.00003192*	*0.00010555*	*0.00005829*	*0.00004688*	*0.00001878*	
Conc Mean	<-0.00010267[mg/l]	<-0.00440345[mg/l]	<-0.00948228[mg/l]	<-0.00053604[mg/l]	<0.00025040[mg/l]	<0.00166442[mg/l]	
Conc RSD	*54.96488853*	*4.49079699*	*18.97486680*	*395.25595105*	*72.44107381*	*108.28036193*	
Conc SD	*0.00005643[mg/l]*	*0.00019775[mg/l]*	*0.00179925[mg/l]*	*0.00211873[mg/l]*	*0.00018139[mg/l]*	*0.00180224[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236131	File:	met06_master011	Time:	24-OCT-2023 17:12
Cal:	483428236001	Caldate:	24-OCT-2023		

Standards: S19239, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0296	0.0359	1.000	1.086	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	32093900	-3.88
Yttrium	A	2031070	1963540	-3.32
Yttrium	R	719619	668492	-7.10

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S19239 | Sample Type: Control Sample

Measure Date: 2023-10-24 17:12:37 | Recalculation Date: | State: Check failed | Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	437854	24477.0000000	37455.9000000	154592	658617	883576	388714
Int RSD	*3.09489008*	*0.55780120*	*0.74467841*	*0.40831285*	*0.29230342*	*1.01939052*	*0.16590861*
Int SD	*13551.1000000*	*136.53300000*	*278.92600000*	*631.21900000*	*1925.16000000*	*9007.09000000*	*644.91000000*
RelInt Mean	0.01132800	0.01093340	0.01635800	0.07312300	0.33152900	1.33820000	0.19328800
RelInt RSD	*5.38281250*	*1.37732087*	*0.86602885*	*0.28441940*	*0.18299304*	*0.30019579*	*0.49035791*
RelInt SD	*0.00060977*	*0.00015059*	*0.00014167*	*0.00020798*	*0.00060667*	*0.00401722*	*0.00094780*
Conc Mean	0.46957700[mg/l]	1.02377000[mg/l]	1.03054000[mg/l]	0.97406500[mg/l]	1.03149000[mg/l]	51.91390000[mg/l]	1.05666000[mg/l]
Conc RSD	*5.39958303*	*1.44105610*	*0.86225377*	*0.28881543*	*0.18319034*	*0.30084621*	*0.49207030*
Conc SD	*0.02535520[mg/l]*	*0.01475310[mg/l]*	*0.00888587[mg/l]*	*0.00281325[mg/l]*	*0.00188959[mg/l]*	*0.15618100[mg/l]*	*0.00519951[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	321454	959598	616630	111045	131047	2933950	258109
Int RSD	*0.19456283*	*2.83023725*	*0.18241895*	*0.63518664*	*0.71201248*	*0.31021319*	*0.32360204*
Int SD	*625.43000000*	*27158.9000000*	*1124.85000000*	*705.34300000*	*933.07100000*	*9101.50000000*	*835.24600000*
RelInt Mean	0.15863900	0.02780930	0.30867300	0.15782900	0.17504900	1.49758000	0.12867300
RelInt RSD	*0.23462389*	*4.56947856*	*0.24504767*	*0.79224350*	*0.40299231*	*0.19107427*	*0.16273033*
RelInt SD	*0.00037221*	*0.00127074*	*0.00075640*	*0.00125039*	*0.00070543*	*0.00286149*	*0.00020939*
Conc Mean	1.02604000[mg/l]	0.95113400[mg/l]	1.04485000[mg/l]	55.06940000[mg/l]	49.61360000[mg/l]	1.01890000[mg/l]	1.00429000[mg/l]
Conc RSD	*0.23436026*	*4.58707185*	*0.24578456*	*0.80724504*	*0.40382476*	*0.19131711*	*0.16276872*
Conc SD	*0.00240463[mg/l]*	*0.04362920[mg/l]*	*0.00256808[mg/l]*	*0.44454500[mg/l]*	*0.20035200[mg/l]*	*0.00194933[mg/l]*	*0.00163467[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	504669	266903	82109.4000000	43468.8000000	31177.6000000	516025	727354
Int RSD	*2.71726617*	*0.37129669*	*0.48815726*	*0.34065813*	*0.62704313*	*0.22387481*	*0.86075419*
Int SD	*13713.2000000*	*991.00200000*	*400.82300000*	*148.08000000*	*195.49700000*	*1155.25000000*	*6260.73000000*
RelInt Mean	0.72899700	0.13043800	0.03594070	0.01818000	0.01287870	0.26193300	1.08999000
RelInt RSD	*3.90307505*	*0.25008356*	*0.39852034*	*0.37320022*	*0.64052195*	*0.19733901*	*0.31714328*
RelInt SD	*0.02845330*	*0.00032620*	*0.00014323*	*0.00006785*	*0.00008249*	*0.00051690*	*0.00345683*
Conc Mean	50.14510000[mg/l]	1.04411000[mg/l]	1.08609000[mg/l]	0.99490400[mg/l]	0.99497700[mg/l]	5.20522000[mg/l]	1.09922000[mg/l]
Conc RSD	*3.99299234*	*0.25033665*	*0.39733724*	*0.37485024*	*0.64119472*	*0.19743642*	*0.31688561*
Conc SD	*2.00229000[mg/l]*	*0.00261379[mg/l]*	*0.00431544[mg/l]*	*0.00372940[mg/l]*	*0.00637974[mg/l]*	*0.01027700[mg/l]*	*0.00348327[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	3518260	32539.1000000	204613	1963540	32093900	668492	665976
Int RSD	*3.43345858*	*0.12769099*	*2.63306339*	*0.41559938*	*1.73734884*	*1.01418416*	*0.15262112*
Int SD	*120798*	*41.54950000*	*5387.59000000*	*8160.46000000*	*557583*	*6779.74000000*	*1016.42000000*
RelInt Mean	0.10727100	0.01374960	0.00579273	---	---	---	0.33763000
RelInt RSD	*4.94740424*	*0.17535710*	*4.44003087*	---	---	---	*0.28020970*
RelInt SD	*0.00530713*	*0.00002411*	*0.00025720*	---	---	---	*0.00094607*
Conc Mean	0.99962600[mg/l]	1.06739000[mg/l]	0.96126800[mg/l]	1949410	31989600	654423	1.11507000[mg/l]
Conc RSD	*4.95226215*	*0.18584679*	*4.47944798*	---	---	---	*0.28056176*
Conc SD	*0.04950410[mg/l]*	*0.00198371[mg/l]*	*0.04305950[mg/l]*	*8151.21000000*	*557127*	*6810.23000000*	*0.00312846[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	271924	118405	660861	295373	512023	119115	
Int RSD	*0.96065445*	*3.79915544*	*0.11342188*	*0.35716196*	*0.03976774*	*0.40874533*	
Int SD	*2612.25000000*	*4498.39000000*	*749.56100000*	*1054.96000000*	*203.62000000*	*486.87700000*	
RelInt Mean	0.40472800	0.14193600	0.33215600	0.14875000	0.25637500	0.05795440	
RelInt RSD	*0.51755253*	*5.75015500*	*0.44097653*	*0.13412773*	*0.38323354*	*0.59395318*	
RelInt SD	*0.00209468*	*0.00816154*	*0.00146473*	*0.00019951*	*0.00098251*	*0.00034422*	
Conc Mean	0.95251700[mg/l]	0.87201700[mg/l]	5.66981000[mg/l]	5.40067000[mg/l]	1.01133000[mg/l]	5.57054000[mg/l]	
Conc RSD	*0.51717082*	*5.79869429*	*0.44414716*	*0.13419428*	*0.38466277*	*0.59300535*	
Conc SD	*0.00492614[mg/l]*	*0.05056560[mg/l]*	*0.02518230[mg/l]*	*0.00724739[mg/l]*	*0.00389021[mg/l]*	*0.03303360[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483428236132	File:	met06_master011	Time:	24-OCT-2023 17:15
Cal:	483428236001	Caldate:	24-OCT-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	33390100	34087600	2.09
Yttrium	A	2031070	2046590	0.76
Yttrium	R	719619	673282	-6.44

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2023-10-24 17:15:51	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	74893.8000000	14762.0000000	5010.78000000	12545.7000000	11741.4000000	9714.53000000	11252.3000000
Int RSD	*0.38191145*	*0.33599986*	*0.42508152*	*0.99676383*	*2.09067914*	*0.67036285*	*1.29257130*
Int SD	*286.02800000*	*49.60030000*	*21.29990000*	*125.05100000*	*245.47500000*	*65.12260000*	*145.44400000*
RelInt Mean	0.00002947	0.00047294	-0.00009434	0.00051749	0.00003459	0.00371536	0.00002511
RelInt RSD	*24.89684373*	*64.47273550*	*6.12800990*	*7.26851637*	*282.84281981*	*1.37817331*	*154.83993007*
RelInt SD	*0.00000734*	*0.00030492*	*0.00000578*	*0.00003761*	*0.00009783*	*0.00005120*	*0.00003888*
Conc Mean	<-0.00022578[mg/l]	<-0.00087967[mg/l]	<-0.00070197[mg/l]	<-0.00796308[mg/l]	<-0.00007986[mg/l]	<0.00595416[mg/l]	<0.00018918[mg/l]
Conc RSD	*135.14855432*	*3395.36438220*	*51.67193040*	*6.38887214*	*379.15002317*	*33.45089820*	*112.01917740*
Conc SD	*0.00030513[mg/l]*	*0.02986790[mg/l]*	*0.00036272[mg/l]*	*0.00050875[mg/l]*	*0.00030279[mg/l]*	*0.00199172[mg/l]*	*0.00021192[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	11485.2000000	76416.3000000	19253.0000000	8591.19000000	16266.6000000	14432.7000000	7623.33000000
Int RSD	*0.92768955*	*5.52138745*	*8.22183556*	*1.69140713*	*2.71691073*	*2.47813645*	*3.58760542*
Int SD	*106.54700000*	*4219.24000000*	*1582.95000000*	*145.31200000*	*441.94900000*	*357.66200000*	*273.49500000*
RelInt Mean	0.00005308	0.00028468	0.00250026	0.00182884	0.00013359	0.00037447	0.00039198
RelInt RSD	*38.48304604*	*42.49813823*	*29.57956373*	*2.14634413*	*250.43829115*	*45.29135768*	*30.75574899*
RelInt SD	*0.00002043*	*0.00012098*	*0.00073957*	*0.00003925*	*0.00033455*	*0.00016960*	*0.00012056*
Conc Mean	<0.00034328[mg/l]	0.00612200[mg/l]	0.00493388[mg/l]	<-0.38263100[mg/l]	<-0.04129270[mg/l]	<-0.00054022[mg/l]	0.00254231[mg/l]
Conc RSD	*38.48300533*	*67.84906893*	*50.91206110*	*3.64654197*	*229.99900709*	*21.37668819*	*37.03053522*
Conc SD	*0.00013211[mg/l]*	*0.00415372[mg/l]*	*0.00251194[mg/l]*	*0.01395280[mg/l]*	*0.09497280[mg/l]*	*0.00011548[mg/l]*	*0.00094143[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	27023.1000000	11901.8000000	11209.6000000	7666.55000000	5852.10000000	6546.32000000	14126.7000000
Int RSD	*1.68423682*	*1.50012603*	*1.46442335*	*1.07890903*	*0.62015858*	*8.39079055*	*1.15059426*
Int SD	*455.13300000*	*178.54200000*	*164.15600000*	*82.71510000*	*36.29230000*	*549.28800000*	*162.54100000*
RelInt Mean	0.00072476	0.00001359	-0.00014065	0.00002540	0.00002319	0.00072328	0.00021769
RelInt RSD	*56.78457204*	*479.99381980*	*52.89762951*	*124.90029567*	*70.63377062*	*36.20647463*	*28.15284400*
RelInt SD	*0.00041155*	*0.00006524*	*0.00007440*	*0.00003172*	*0.00001638*	*0.00026188*	*0.00006128*
Conc Mean	<-1.10378000[mg/l]	<-0.00089601[mg/l]	<-0.00149842[mg/l]	<0.00139642[mg/l]	<0.00072030[mg/l]	0.01239700[mg/l]	<-0.00030149[mg/l]
Conc RSD	*2.62400116*	*58.33850440*	*150.14748869*	*125.06337635*	*175.86544402*	*41.99451480*	*20.50906823*
Conc SD	*0.02896320[mg/l]*	*0.00052272[mg/l]*	*0.00224984[mg/l]*	*0.00174641[mg/l]*	*0.00126675[mg/l]*	*0.00520606[mg/l]*	*0.00006183[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	120739	5184.94000000	21446.9000000	2046590	34087600	673282	7973.76000000
Int RSD	*2.38444910*	*0.60030010*	*3.67178940*	*0.43140737*	*3.69873502*	*0.90852421*	*3.37377849*
Int SD	*2878.96000000*	*31.12520000*	*787.48500000*	*8829.14000000*	*1260810*	*6116.93000000*	*269.01700000*
RelInt Mean	0.00115352	-0.00006383	0.00009154	---	---	---	0.00035799
RelInt RSD	*6.03165962*	*26.09331159*	*22.79621081*	---	---	---	*32.79103873*
RelInt SD	*0.00006958*	*0.00001666*	*0.00002087*	---	---	---	*0.00011739*
Conc Mean	0.00977992[mg/l]	<0.00091997[mg/l]	0.00717265[mg/l]	2032910	33984600	659084	<-0.00002768[mg/l]
Conc RSD	*6.63601543*	*140.33548774*	*48.70556907*	---	---	---	*1402.65553869*
Conc SD	*0.00064900[mg/l]*	*0.00129105[mg/l]*	*0.00349348[mg/l]*	*8828.90000000*	*1260730*	*6285.70000000*	*0.00038823[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6453.25000000	25744.4000000	13652.4000000	5008.44000000	11410.2000000	5514.22000000	
Int RSD	*2.68706466*	*1.71870776*	*2.11360640*	*2.96892845*	*1.04837777*	*0.17852335*	
Int SD	*173.40300000*	*442.47100000*	*288.55800000*	*148.69700000*	*119.62200000*	*9.84417000*	
RelInt Mean	-0.00027675	0.00059307	0.00082011	0.00013137	0.00012224	-0.00009876	
RelInt RSD	*62.83148747*	*35.60027922*	*16.15961839*	*48.93438380*	*16.15170653*	*10.81858259*	
RelInt SD	*0.00017388*	*0.00021114*	*0.00013253*	*0.00006429*	*0.00001974*	*0.00001068*	
Conc Mean	<0.00002472[mg/l]	<-0.00364966[mg/l]	<-0.01108290[mg/l]	<-0.00153047[mg/l]	<0.00019697[mg/l]	<-0.00084051[mg/l]	
Conc RSD	*1654.53162488*	*35.84032485*	*20.39321838*	*152.68054911*	*39.42322337*	*122.00211776*	
Conc SD	*0.00040894[mg/l]*	*0.00130805[mg/l]*	*0.00226016[mg/l]*	*0.00233673[mg/l]*	*0.00007765[mg/l]*	*0.00102544[mg/l]*	

Enthalpy Sequence Summary for Sequence 673428353

Instrument: MET09 Begun: 10/24/23 11:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				10/24/23 11:13	1.0		
002	icp data	ICAL	L1			10/24/23 11:16	1.0	1	
003	icp data	ICAL	L2			10/24/23 11:19	1.0	2	
004	icp data	ICAL	L3			10/24/23 11:22	1.0	3	
005	icp data	ICAL	L4			10/24/23 11:25	1.0	4	
006	icp data	ICAL	L5			10/24/23 11:28	1.0	5	
007	icp data	ICAL	L6			10/24/23 11:32	1.0	6	
008	icp data	ICAL	L7			10/24/23 11:35	1.0	7	
009	icp data	ICAL	L8			10/24/23 11:38	1.0	8	
010	icp data	ICV				10/24/23 11:41	1.0	9	
011	icp data	ICB				10/24/23 11:44	1.0		
012	icp data	CRI				10/24/23 11:47	1.0	10	
013	icp data	ICV				10/24/23 11:50	1.0	11	
014	icp data	ICB				10/24/23 11:53	1.0		
015	icp data	ICSA				10/24/23 11:57	1.0	12	5:MGASMGCO3=1400
016	icp data	ICSAB				10/24/23 12:00	1.0	13	5:MGASMGCO3=1400
017	icp data	BLANK	QC1101917	Filtrate	324964	10/24/23 12:03	1.0	14	
018	icp data	LCS	QC1101918	Filtrate	324964	10/24/23 12:06	1.0	14	
019	icp data	SAMPLE	494166-001	Filtrate	324964	10/24/23 12:09	1.0	14	1:MG=1500
020	icp data	SAMPLE	494166-002	Filtrate	324964	10/24/23 12:12	1.0	14	1:MG=1700
021	icp data	MSS	494166-003	Filtrate	324964	10/24/23 12:15	1.0	14	3:MGASMGCO3=3700
022	icp data	MS	QC1101919	Filtrate	324964	10/24/23 12:19	1.0	14	3:MGASMGCO3=3700
023	icp data	MSD	QC1101920	Filtrate	324964	10/24/23 12:22	1.0	14	3:MGASMGCO3=3600
024	icp data	CCV				10/24/23 12:25	1.0	11	
025	icp data	CCB				10/24/23 12:28	1.0		
026	icp data	CCV				10/24/23 12:31	1.0	9	
027	icp data	CCB				10/24/23 12:34	1.0		
028	icp data	SAMPLE	494460-005	Filtrate	325029	10/24/23 12:37	100.0	14	
029	icp data	SAMPLE	494460-007	Filtrate	325029	10/24/23 12:40	100.0	14	

Instrument: MET09 Begun: 10/24/23 11:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
030	icp data	BLANK	QC1102289	Water	325078	10/24/23 12:53	1.0	14	
031	icp data	LCS	QC1102290	Water	325078	10/24/23 12:57	1.0	14	
032	icp data	MSS	493975-003	Water	325078	10/24/23 13:00	1.0	14	
033	icp data	MS	QC1102291	Water	325078	10/24/23 13:03	1.0	14	1:CAASCACO3=270
034	icp data	MSD	QC1102292	Water	325078	10/24/23 13:06	1.0	14	1:CAASCACO3=270
035	icp data	SAMPLE	493975-004	Water	325078	10/24/23 13:09	1.0	14	
036	icp data	SAMPLE	493975-005	Water	325078	10/24/23 13:12	1.0	14	
037	icp data	SAMPLE	493975-006	Water	325078	10/24/23 13:15	1.0	14	
038	icp data	CCV				10/24/23 13:18	1.0	9	
039	icp data	CCB				10/24/23 13:21	1.0		
040	icp data	SAMPLE	494095-001	Water	325078	10/24/23 13:25	10.0	14	1:CU=82
041	icp data	BLANK	QC1102285	TCLP Leachate	325077	10/24/23 13:28	1.0	14	1:NA=1100
042	icp data	LCS	QC1102286	TCLP Leachate	325077	10/24/23 13:31	1.0	14	1:NA=1000
043	icp data	MSS	493732-001	TCLP Leachate	325077	10/24/23 13:34	1.0	14	1:NA=1200
044	icp data	MS	QC1102287	TCLP Leachate	325077	10/24/23 13:37	1.0	14	2:NA=1100
045	icp data	MSD	QC1102288	TCLP Leachate	325077	10/24/23 13:40	1.0	14	2:NA=1100
046	icp data	SAMPLE	493853-001	TCLP Leachate	325077	10/24/23 13:43	1.0	14	1:NA=1100
047	icp data	SAMPLE	494016-002	TCLP Leachate	325077	10/24/23 13:46	1.0	14	1:NA=1100
048	icp data	SAMPLE	494416-001	TCLP Leachate	325077	10/24/23 13:50	1.0	14	1:NA=1100
049	icp data	BLANK	QC1102274	Wipe	325072	10/24/23 13:53	1.0	14	
050	icp data	CCV				10/24/23 13:56	1.0	9	
051	icp data	CCB				10/24/23 13:59	1.0		
052	icp data	BS	QC1102275	Wipe	325072	10/24/23 14:02	1.0	14	
053	icp data	BSD	QC1102276	Wipe	325072	10/24/23 14:05	1.0	14	
054	icp data	SAMPLE	494421-001	Wipe	325072	10/24/23 14:08	1.0	14	
055	icp data	SAMPLE	494421-002	Wipe	325072	10/24/23 14:11	1.0	14	
056	icp data	SAMPLE	494421-003	Wipe	325072	10/24/23 14:15	1.0	14	1:ZN=57
057	icp data	SAMPLE	494421-004	Wipe	325072	10/24/23 14:18	1.0	14	
058	icp data	SAMPLE	494421-005	Wipe	325072	10/24/23 14:21	1.0	14	1:ZN=41

Instrument: MET09 Begun: 10/24/23 11:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
059	icp data	SAMPLE	494421-006	Wipe	325072	10/24/23 14:24	1.0	14	1:ZN=490
060	icp data	SAMPLE	494421-007	Wipe	325072	10/24/23 14:27	1.0	14	1:ZN=53
061	icp data	SAMPLE	494421-008	Wipe	325072	10/24/23 14:30	1.0	14	
062	icp data	CCV				10/24/23 14:33	1.0	9	
063	icp data	CCB				10/24/23 14:36	1.0		
064	icp data	SAMPLE	494421-009	Wipe	325072	10/24/23 14:40	1.0	14	
065	icp data	SAMPLE	494421-010	Wipe	325072	10/24/23 14:43	1.0	14	
066	icp data	SAMPLE	494421-011	Wipe	325072	10/24/23 14:46	1.0	14	
067	icp data	SAMPLE	494421-012	Wipe	325072	10/24/23 14:49	1.0	14	
068	icp data	SAMPLE	494421-013	Wipe	325072	10/24/23 14:52	1.0	14	
069	icp data	SAMPLE	494421-014	Wipe	325072	10/24/23 14:55	1.0	14	1:ZN=290
070	icp data	SAMPLE	494421-015	Wipe	325072	10/24/23 14:58	1.0	14	
071	icp data	SAMPLE	494421-016	Wipe	325072	10/24/23 15:01	1.0	14	1:ZN=290
072	icp data	SAMPLE	494421-017	Wipe	325072	10/24/23 15:04	1.0	14	1:ZN=62
073	icp data	SAMPLE	494421-018	Wipe	325072	10/24/23 15:08	1.0	14	
074	icp data	CCV				10/24/23 15:11	1.0	9	
075	icp data	CCB				10/24/23 15:14	1.0		
076	icp data	SAMPLE	494421-019	Wipe	325072	10/24/23 15:17	1.0	14	1:ZN=240
077	icp data	SAMPLE	494421-020	Wipe	325072	10/24/23 15:20	1.0	14	
078	icp data	BLANK	QC1102281	Wipe	325075	10/24/23 15:23	1.0	14	
079	icp data	BS	QC1102282	Wipe	325075	10/24/23 15:26	1.0	14	
080	icp data	BSD	QC1102283	Wipe	325075	10/24/23 15:29	1.0	14	
081	icp data	SAMPLE	494459-024	Wipe	325075	10/24/23 15:33	1.0	14	
082	icp data	SAMPLE	494459-025	Wipe	325075	10/24/23 15:36	1.0	14	
083	icp data	CCV				10/24/23 15:39	1.0	9	
084	icp data	CCB				10/24/23 15:42	1.0		
085	icp data	BLANK	QC1102278	Wipe	325074	10/24/23 15:45	1.0	14	
086	icp data	BS	QC1102279	Wipe	325074	10/24/23 15:48	1.0	14	
087	icp data	BSD	QC1102280	Wipe	325074	10/24/23 15:51	1.0	14	

Enthalpy Sequence Summary for Sequence 673428353

Instrument: MET09 Begun: 10/24/23 11:13
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
088	icp data	SAMPLE	494421-021	Wipe	325074	10/24/23 15:54	1.0	14	
089	icp data	CCV				10/24/23 15:58	1.0	9	
090	icp data	CCB				10/24/23 16:01	1.0		
091	icp data	SAMPLE	494459-012	Wipe	325074	10/24/23 16:04	1.0	14	
092	icp data	SAMPLE	494459-013	Wipe	325074	10/24/23 16:07	1.0	14	1:ZN=41
093	icp data	SAMPLE	494459-014	Wipe	325074	10/24/23 16:10	1.0	14	
094	icp data	SAMPLE	494459-016	Wipe	325074	10/24/23 16:13	1.0	14	
095	icp data	SAMPLE	494459-017	Wipe	325074	10/24/23 16:16	1.0	14	1:PB=11
096	icp data	SAMPLE	494459-018	Wipe	325074	10/24/23 16:19	1.0	14	1:PB=11
097	icp data	SAMPLE	494459-019	Wipe	325074	10/24/23 16:22	1.0	14	1:PB=12
098	icp data	SAMPLE	494459-020	Wipe	325074	10/24/23 16:26	1.0	14	1:ZN=60
099	icp data	SAMPLE	494459-021	Wipe	325074	10/24/23 16:29	1.0	14	1:PB=12
100	icp data	SAMPLE	494459-022	Wipe	325074	10/24/23 16:32	1.0	14	2:ZN=280
101	icp data	CCV				10/24/23 16:37	1.0	9	
102	icp data	CCB				10/24/23 16:40	1.0		

SBW 10/24/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 029.

SBW 10/25/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 030 through 102.

Standards Used:
1=S19164 2=S19163 3=S19162 4=S19161 5=S19156 6=S19112 7=S19241 8=S18727 9=S19239 10=S19135 11=S16826 12=S19107 13=S19108 14=S14463

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	494459-012	Client ID:	AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-L-I
Seqnum:	673428353091.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	325074	Time:	24-OCT-2023 16:04
Cal:	673428353001	Caldate:	24-OCT-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	4.140	210	0.50	0.17	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	518823	449745	-13.31

u=use

Instrument ID: MET09

Label:	494459-012,325074	Rack:Tube:	2:9	Type:	Sample
Date Time:	10/24/2023 4:04:14 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coeffi
Ag 328.068	Ag	n	0.00077448	0.00077448	mg/L	580.55433544	0.00028708	37.06775162	19.63240647	3.38		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769
Al 396.152	Al	n	2.71407007	2.71407007	mg/L	86067.87580932	0.02389970	0.88058504	746.20016453	0.87	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.1626
As 188.980	As	n	0.03485528	0.03485528	mg/L	149.78035942	0.00070062	2.01009638	2.67024776	1.78	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850
B 249.678	B	n	0.02713985	0.02713985	mg/L	1340.07175844	0.00080791	2.97682334	28.14192052	2.10	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915
Ba 230.424	Ba	n	0.02286810	0.02286810	mg/L	2124.08812591	0.00056141	2.45497473	46.41625731	2.19	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755
Be 313.107	Be	n	0.00007196	0.00007196	mg/L	207.03161472	0.00001739	24.16819836	35.80168641	17.29	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37
Ca 317.933	Ca-R	n	12.10344614	12.10344614	mg/L	162134.15212721	0.05233102	0.43236460	695.73389964	0.43	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668
Cd 214.439	Cd	n	0.00081857	0.00081857	mg/L	356.67246698	0.00006673	8.15202757	10.44841909	2.93	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572
Co 230.786	Co	n	0.02519042	0.02519042	mg/L	944.35327989	0.00059718	2.37067538	21.09571432	2.23	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749
Cr 267.716	Cr	n	0.07872789	0.07872789	mg/L	4601.19626358	0.00191686	2.43479319	110.54726457	2.40	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791
Cu 324.754	Cu	n	0.36135434	0.36135434	mg/L	12960.57946188	0.00298891	0.82714154	103.21854879	0.80	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220
Fe 259.940	Fe	no	107.89256395	107.89256395	mg/L	5793609.74370375	1.47501699	1.36711645	79202.79717906	1.37	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931
K 766.491	K-R	n	2.27662432	2.27662432	mg/L	3256.43276100	0.00312170	0.13711961	4.41705203	0.14	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.95153
Li 670.783	Li-R	n	0.00438574	0.00438574	mg/L	511.15439606	0.00017621	4.01772146	18.44040864	3.61	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960
Mg 279.800	Mg-R	n	4.35387411	4.35387411	mg/L	10001.56875547	0.01619101	0.37187590	36.42798173	0.36	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957
Mn 257.610	Mn	n	0.89329839	0.89329839	mg/L	334320.56528760	0.00725334	0.81197276	2708.69447143	0.81	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010
Mo 204.598	Mo	n	0.01205575	0.01205575	mg/L	93.93550371	0.00109716	9.10069938	7.41576485	7.89	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063
Na 589.592	Na-R	n	6.05530061	6.05530061	mg/L	62806.75627922	0.03639971	0.60112140	373.67607553	0.59	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086
Ni 231.604	Ni	n	0.09273168	0.09273168	mg/L	1947.82482827	0.00073284	0.79028122	14.61722229	0.75	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644
P 177.434	P	n	1.28909250	1.28909250	mg/L	609.40135812	0.00884437	0.68609307	4.16177994	0.68		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736
Pb 220.353	Pb	n	4.13950036	4.13950036	mg/L	32261.12887931	0.03501713	0.84592640	273.04194036	0.85	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283
S 181.972	S	n	4.12000105	4.12000105	mg/L	5126.09650177	0.01603693	0.38924576	19.68250853	0.38		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.32400
Sb 206.834	Sb	n	0.00860026	0.00860026	mg/L	-5.60863465	0.00296080	34.42682166	7.20127122	> 100.00	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728
Se 196.026	Se	n	0.01604974	0.01604974	mg/L	82.15339756	0.00021619	1.34702960	0.53537432	0.65	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225
Si 251.611	Si	n	5.43776209	5.43776209	mg/L	41104.37797913	0.03178738	0.58456737	239.78304623	0.58		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028
Sn 189.925	Sn	n	0.07387773	0.07387773	mg/L	610.05202576	0.00145962	1.97572320	11.43185546	1.87	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888
Sr 421.552	Sr-R	n	0.02008315	0.02008315	mg/L	9183.11939762	0.00017063	0.84960001	77.45964708	0.84	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109
Ti 334.941	Ti	n	0.24413161	0.24413161	mg/L	73438.22598517	0.03932904	16.10977105	11766.44439277	16.02	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.524
Tl 190.794	Tl	nu	-0.01090797	-0.01090797	mg/L	-17.14030017	0.00036417	3.33856971	0.82810422	4.83	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856
V 292.401	V	n	0.01136038	0.01136038	mg/L	224.48300006	0.00031225	2.74857034	10.00008066	4.45	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806
Zn 206.200	Zn	n	11.53100747	11.53100747	mg/L	460930.63066490	0.10444720	0.90579425	4166.23750856	0.90	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547
Y 371.029	Y		0.87	0.87	Ratio	449745.38	0.01	1.20	5419.36	1.20		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	126189.09	0.01	1.30	1635.83	1.30		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	494459-013	Client ID:	AFRAME-C11E-MED-L2-INT-0.5 TO 1-231023-L-FB
Seqnum:	673428353092.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	325074	Time:	24-OCT-2023 16:07
Cal:	673428353001	Caldate:	24-OCT-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	5.441	270	0.50	0.17	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	518823	450325	-13.20

u=use

Instrument ID: MET09

Label:	494459-013,325074	**Rack:Tube:**	2:10	**Type:**	Sample
Date Time:	10/24/2023 4:07:21 PM	**Weight:**	1	**Volume:**	1
Dilution:	1	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficie
Ag 328.068	Ag	n	0.00077934	0.00077934	mg/L	579.63530551	0.00016506	21.17889807	11.28745342	1.95		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.976925
Al 396.152	Al	n	2.61527162	2.61527162	mg/L	82997.75571009	0.03952930	1.51147984	1234.19033871	1.49	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262
As 188.980	As	n	0.07468573	0.07468573	mg/L	306.59461421	0.00325846	4.36289995	12.41878275	4.05	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.238503
B 249.678	B	n	0.02528573	0.02528573	mg/L	1250.65911416	0.00057538	2.27551667	20.04235322	1.60	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.191511
Ba 230.424	Ba	n	0.02299042	0.02299042	mg/L	2139.20966844	0.00027675	1.20377531	22.88154134	1.07	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.575593
Be 313.107	Be	n	0.00021767	0.00021767	mg/L	513.05795316	0.00001778	8.16733849	36.59814831	7.13	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.3735
Ca 317.933	Ca-R	n	10.69091930	10.69091930	mg/L	143370.45756616	0.05745766	0.53744363	763.89200186	0.53	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832
Cd 214.439	Cd	n	0.00112024	0.00112024	mg/L	488.29274286	0.00002098	1.87286552	3.28507359	0.67	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.57274
Co 230.786	Co	n	0.01827984	0.01827984	mg/L	702.33417789	0.00035165	1.92371362	12.42222887	1.77	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.374911
Cr 267.716	Cr	n	0.09346866	0.09346866	mg/L	5453.32906294	0.00125674	1.34455398	72.47723191	1.33	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.979167
Cu 324.754	Cu	n	0.83031311	0.83031311	mg/L	29148.09421523	0.00983922	1.18500069	339.78573717	1.17	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017
Fe 259.940	Fe	no	145.91321048	145.91321048	mg/L	7835172.80559341	1.30749152	0.89607481	70207.31716754	0.90	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193144
K 766.491	K-R	n	2.16130470	2.16130470	mg/L	3066.68471354	0.02454247	1.13553939	34.72640030	1.13	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362
Li 670.783	Li-R	n	0.00490754	0.00490754	mg/L	579.99250373	0.00044152	8.99670394	46.20562470	7.97	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.96043
Mg 279.800	Mg-R	n	3.95428925	3.95428925	mg/L	9144.05526684	0.02703402	0.68366313	60.82355461	0.67	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.889575
Mn 257.610	Mn	n	0.81122246	0.81122246	mg/L	303734.26332172	0.00901802	1.11165776	3367.69753894	1.11	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.01030
Mo 204.598	Mo	n	0.00745970	0.00745970	mg/L	63.66172534	0.00186897	25.05421070	12.63249113	19.84	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.0706352
Na 589.592	Na-R	n	5.35571637	5.35571637	mg/L	55507.38569692	0.04349447	0.81211294	446.51020985	0.80	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908622
Ni 231.604	Ni	n	0.28047315	0.28047315	mg/L	5697.00722855	0.00326647	1.16462996	65.15298130	1.14	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964401
P 177.434	P	n	1.25820131	1.25820131	mg/L	594.86113813	0.02885953	2.29371357	13.58004826	2.28		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.55673666
Pb 220.353	Pb	n	5.44104811	5.44104811	mg/L	42413.66279358	0.01493329	0.27445605	116.44054563	0.27	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.3828314
S 181.972	S	n	3.62076356	3.62076356	mg/L	4507.63510102	0.01155489	0.31912846	14.18159021	0.31		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095
Sb 206.834	Sb	nu	0.00095013	0.00095013	mg/L	-19.03719908	0.00281854	296.64889239	6.85527830	36.01	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.207289
Se 196.026	Se	n	0.02439062	0.02439062	mg/L	93.70807858	0.00312731	12.82178527	7.74432923	8.26	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.352259
Si 251.611	Si	n	4.76118753	4.76118753	mg/L	35962.30850176	0.02436756	0.51179591	183.81281971	0.51		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.3402869
Sn 189.925	Sn	n	0.10811063	0.10811063	mg/L	881.13768948	0.00281594	2.60468400	22.05466704	2.50	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.078889
Sr 421.552	Sr-R	n	0.01895062	0.01895062	mg/L	8663.87315497	0.00006810	0.35937746	30.91743229	0.36	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.10901
Ti 334.941	Ti	n	0.17265928	0.17265928	mg/L	52052.93783412	0.01268273	7.34552376	3794.41273083	7.29	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464
Tl 190.794	Tl	nu	-0.01180076	-0.01180076	mg/L	-19.06578914	0.00275537	23.34907686	6.26556614	32.86	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.948562
V 292.401	V	n	0.00858004	0.00858004	mg/L	81.64407312	0.00037310	4.34841259	11.94879119	14.64	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674
Zn 206.200	Zn	no	41.21718251	41.21718251	mg/L	1645440.11302449	0.78700718	1.90941529	31392.50043202	1.91	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454767
Y 371.029	Y		0.87	0.87	Ratio	450325.49	0.01	1.16	5217.21	1.16		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	125820.76	0.00	0.02	29.01	0.02		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	494459-014	Client ID:	AFRAME-C8E-MED-L2-DN-C8.2-DG-231023-L-LA
Seqnum:	673428353093.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	325074	Time:	24-OCT-2023 16:10
Cal:	673428353001	Caldate:	24-OCT-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	6.889	340	0.50	0.17	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	518823	455426	-12.22

u=use

Instrument ID: MET09

Label:	494459-014,325074	Rack:Tube:	2:11	Type:	Sample
Date Time:	10/24/2023 4:10:28 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00087045	0.00087045	mg/L	588.36615915	0.00064765	74.40415789	44.29039036	7.53		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.97692506
Al 396.152	Al	n	3.54054387	3.54054387	mg/L	111860.42377692	0.01576514	0.44527456	492.22180193	0.44	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	0.05527676	0.05527676	mg/L	223.26160853	0.00075556	1.36686449	2.87961328	1.29	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.238503907
B 249.678	B	n	0.02293886	0.02293886	mg/L	1215.17851066	0.00089898	3.91904720	31.31451085	2.58	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.19151198
Ba 230.424	Ba	n	0.05319509	0.05319509	mg/L	4627.22393068	0.00037251	0.70028023	30.79898760	0.67	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.57559305
Be 313.107	Be	n	0.00014102	0.00014102	mg/L	343.94750439	0.00001674	11.86968979	34.45770416	10.02	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.373568
Ca 317.933	Ca-R	n	14.38542434	14.38542434	mg/L	192459.27683779	0.10705371	0.74418180	1423.26480718	0.74	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832913
Cd 214.439	Cd	n	0.00085583	0.00085583	mg/L	289.12665935	0.00002655	3.10201373	4.15676525	1.44	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.5727429
Co 230.786	Co	n	0.01320520	0.01320520	mg/L	519.15369700	0.00045200	3.42287643	15.96699276	3.08	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.37491109
Cr 267.716	Cr	n	0.06212164	0.06212164	mg/L	3641.84995331	0.00008828	0.14210068	5.09092151	0.14	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.97916761
Cu 324.754	Cu	n	0.74199866	0.74199866	mg/L	26112.26965107	0.00708429	0.95475744	244.64752011	0.94	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017943
Fe 259.940	Fe	no	71.89678536	71.89678536	mg/L	3860774.87901833	0.45842424	0.63761438	24615.63664758	0.64	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193144512
K 766.491	K-R	n	2.13922908	2.13922908	mg/L	3084.75213074	0.03524775	1.64768472	49.87385900	1.62	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.951536282
Li 670.783	Li-R	n	0.00460670	0.00460670	mg/L	522.29951080	0.00011180	2.42700289	11.70059422	2.24	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433
Mg 279.800	Mg-R	n	4.84565446	4.84565446	mg/L	11071.96911427	0.05162504	1.06538843	116.15064373	1.05	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.889575562
Mn 257.610	Mn	n	0.54384017	0.54384017	mg/L	203762.87340074	0.00653443	1.20153433	2440.22279020	1.20	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307
Mo 204.598	Mo	n	0.00378837	0.00378837	mg/L	37.39316341	0.00102084	26.94664767	6.89991455	18.45	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.070635214
Na 589.592	Na-R	n	5.81104990	5.81104990	mg/L	60399.56320966	0.05469190	0.94117065	561.46200472	0.93	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908622094
Ni 231.604	Ni	n	0.15988782	0.15988782	mg/L	3283.45112626	0.00167164	1.04550729	33.34244721	1.02	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964401687
P 177.434	P	n	1.23725989	1.23725989	mg/L	585.02178643	0.00705563	0.57026251	3.32007389	0.57		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.5567366667
Pb 220.353	Pb	n	6.88854171	6.88854171	mg/L	53691.59513190	0.02730232	0.39634399	212.88665077	0.40	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.382831434
S 181.972	S	n	4.20646698	4.20646698	mg/L	5237.27251888	0.05362600	1.27484658	65.81647772	1.26		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.324009532
Sb 206.834	Sb	n	0.00667550	0.00667550	mg/L	-14.86012750	0.00239428	35.86671745	5.82339611	39.19	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.207289616
Se 196.026	Se	n	0.01447272	0.01447272	mg/L	86.18684295	0.00167476	11.57183911	4.14729591	4.81	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.352259087
Si 251.611	Si	n	7.20128061	7.20128061	mg/L	54440.15108199	0.10089325	1.40104599	761.07214120	1.40		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.340286930
Sn 189.925	Sn	n	0.09355964	0.09355964	mg/L	761.65186000	0.00151111	1.61513032	11.83513346	1.55	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.078889314
Sr 421.552	Sr-R	n	0.02394942	0.02394942	mg/L	10946.80772921	0.00005398	0.22539567	24.50584282	0.22	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011737
Ti 334.941	Ti	n	0.34722574	0.34722574	mg/L	104283.64215385	0.08276368	23.83569698	24761.19708786	23.74	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.524643
Tl 190.794	Tl	nu	-0.00916721	-0.00916721	mg/L	-13.24939743	0.00230147	25.10548914	5.23343351	39.50	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.948562690
V 292.401	V	n	0.01346656	0.01346656	mg/L	338.56045047	0.00041744	3.09984334	13.36904093	3.95	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674703
Zn 206.200	Zn	n	22.63473215	22.63473215	mg/L	903516.15954781	0.12187026	0.53842150	4861.21649103	0.54	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454767727
Y 371.029	Y		0.88	0.88	Ratio	455426.12	0.02	2.16	9826.29	2.16		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.02	1.02	Ratio	128348.87	0.00	0.40	519.04	0.40		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	494459-016	Client ID:	AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-L-FB
Seqnum:	673428353094.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	325074	Time:	24-OCT-2023 16:13
Cal:	673428353001	Caldate:	24-OCT-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	4.743	240	0.50	0.17	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	518823	449290	-13.40

u=use

Instrument ID: MET09

Label:	494459-016,325074	**Rack:Tube:**	2:12	**Type:**	Sample
Date Time:	10/24/2023 4:13:36 PM	**Weight:**	1	**Volume:**	1
Dilution:	1	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficie
Ag 328.068	Ag	n	0.00051831	0.00051831	mg/L	562.04237630	0.00019190	37.02472233	13.12339398	2.33		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.976925
Al 396.152	Al	n	2.53458090	2.53458090	mg/L	80481.35133184	0.03596436	1.41894705	1122.88512881	1.40	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.162626
As 188.980	As	n	0.07667313	0.07667313	mg/L	314.00890642	0.00146851	1.91528130	5.59682736	1.78	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.238503
B 249.678	B	n	0.02406110	0.02406110	mg/L	1208.36216801	0.00078837	3.27654133	27.46150791	2.27	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.191511
Ba 230.424	Ba	n	0.02297731	0.02297731	mg/L	2138.05703030	0.00043608	1.89785058	36.05406861	1.69	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.575593
Be 313.107	Be	n	0.00003309	0.00003309	mg/L	132.96210233	0.00001261	38.09448848	25.95310048	19.52	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.3735
Ca 317.933	Ca-R	n	14.52649022	14.52649022	mg/L	194363.41748901	0.06402887	0.44077318	851.25534581	0.44	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832
Cd 214.439	Cd	n	0.00090545	0.00090545	mg/L	451.95926809	0.00007567	8.35732237	11.84841784	2.62	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.57274
Co 230.786	Co	n	0.01954064	0.01954064	mg/L	746.82238805	0.00050381	2.57825577	17.79719250	2.38	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.374911
Cr 267.716	Cr	n	0.08420805	0.08420805	mg/L	4919.48724248	0.00270091	3.20742247	155.76401231	3.17	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.979167
Cu 324.754	Cu	n	0.56446010	0.56446010	mg/L	19967.61174329	0.00950038	1.68309098	328.08433092	1.64	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017
Fe 259.940	Fe	no	143.52758905	143.52758905	mg/L	7707074.73276596	3.34982739	2.33392577	179872.97840136	2.33	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193144
K 766.491	K-R	n	2.08026097	2.08026097	mg/L	2952.32842216	0.01933134	0.92927474	27.35290872	0.93	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362
Li 670.783	Li-R	n	0.00304583	0.00304583	mg/L	386.31255046	0.00013002	4.26890705	13.60723396	3.52	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.96043
Mg 279.800	Mg-R	n	4.06933947	4.06933947	mg/L	9401.66288989	0.03285774	0.80744657	73.92629121	0.79	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.889575
Mn 257.610	Mn	n	0.75850692	0.75850692	mg/L	284047.22252195	0.01185866	1.56342168	4428.51059209	1.56	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.01030
Mo 204.598	Mo	n	0.00401309	0.00401309	mg/L	40.33218156	0.00144971	36.12465549	9.79871500	24.30	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.0706352
Na 589.592	Na-R	n	5.92470499	5.92470499	mg/L	61350.45962746	0.03823483	0.64534569	392.51525594	0.64	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908622
Ni 231.604	Ni	n	0.14119515	0.14119515	mg/L	2918.91616088	0.00243611	1.72535200	48.59063170	1.66	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964401
P 177.434	P	n	1.15976303	1.15976303	mg/L	548.58570742	0.01911625	1.64828921	8.99527969	1.64		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.55673666
Pb 220.353	Pb	n	4.74292363	4.74292363	mg/L	36970.02620169	0.06383594	1.34591961	497.75325568	1.35	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.3828314
S 181.972	S	n	3.60438642	3.60438642	mg/L	4487.76993753	0.00642146	0.17815673	7.88120829	0.18		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095
Sb 206.834	Sb	n	0.02664671	0.02664671	mg/L	43.26355446	0.00313441	11.76284344	7.62353718	17.62	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.207289
Se 196.026	Se	n	0.01465111	0.01465111	mg/L	69.88163154	0.00189416	12.92842515	4.69060062	6.71	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.352259
Si 251.611	Si	n	5.15099268	5.15099268	mg/L	38902.87652350	0.05209352	1.01132971	392.95914303	1.01		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.3402869
Sn 189.925	Sn	n	0.17490545	0.17490545	mg/L	1404.23916977	0.00527612	3.01655458	41.32297634	2.94	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.078889
Sr 421.552	Sr-R	n	0.02172089	0.02172089	mg/L	9937.38430770	0.00013912	0.64046865	63.15454758	0.64	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.10901
Ti 334.941	Ti	n	0.23493906	0.23493906	mg/L	70685.53797298	0.05457230	23.22827785	16326.91429560	23.10	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464
Tl 190.794	Tl	nu	-0.00833887	-0.00833887	mg/L	-11.17332533	0.00095250	11.42245180	2.16594323	19.38	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.948562
V 292.401	V	n	0.00940140	0.00940140	mg/L	109.07740057	0.00081240	8.64123651	26.01790463	23.85	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674
Zn 206.200	Zn	n	7.79485696	7.79485696	mg/L	312263.41042034	0.09072858	1.16395442	3619.02295666	1.16	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454767
Y 371.029	Y		0.87	0.87	Ratio	449289.77	0.01	1.01	4526.09	1.01		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	125203.26	0.00	0.29	368.97	0.29		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	494459-020	Client ID:	AFRAME-C8E-MED-L1-UP-C8.1-DG-231023-L-SS
Seqnum:	673428353098.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	325074	Time:	24-OCT-2023 16:26
Cal:	673428353001	Caldate:	24-OCT-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	4.552	230	0.50	0.17	CO? u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	518823	452631	-12.76

CO?=check for carryover u=use

Instrument ID: MET09

Label:	494459-020,325074	Rack:Tube:	2:16	Type:	Sample
Date Time:	10/24/2023 4:26:04 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00086507	0.00086507	mg/L	587.33017685	0.00014277	16.50373051	9.76341536	1.66		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.97692506
Al 396.152	Al	n	2.53816133	2.53816133	mg/L	80573.21649346	0.01298548	0.51160955	405.43463287	0.50	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	0.02537897	0.02537897	mg/L	112.02865921	0.00065876	2.59570461	2.51070345	2.24	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.238503907
B 249.678	B	n	0.02410340	0.02410340	mg/L	1242.07690027	0.00028101	1.16583834	9.78836082	0.79	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.19151198
Ba 230.424	Ba	n	0.02075945	0.02075945	mg/L	1948.14411586	0.00042728	2.05826084	35.32719448	1.81	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.57559305
Be 313.107	Be	n	0.00004934	0.00004934	mg/L	158.53735248	0.00000689	13.96715515	14.18684527	8.95	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.373568
Ca 317.933	Ca-R	n	15.43325962	15.43325962	mg/L	206398.00247674	0.04566909	0.29591346	607.16450227	0.29	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832913
Cd 214.439	Cd	n	0.00068943	0.00068943	mg/L	309.04049762	0.00006527	9.46779042	10.22034936	3.31	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.5727429
Co 230.786	Co	n	0.00886691	0.00886691	mg/L	367.05189687	0.00056824	6.40858873	20.07342018	5.47	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.37491109
Cr 267.716	Cr	n	0.06798170	0.06798170	mg/L	3980.96833975	0.00028982	0.42632577	16.71440555	0.42	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.97916761
Cu 324.754	Cu	n	0.25609355	0.25609355	mg/L	9328.01684331	0.00200224	0.78183919	69.14498964	0.74	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017943
Fe 259.940	Fe	no	91.48072222	91.48072222	mg/L	4912355.66835933	1.14658904	1.25336684	61567.46663247	1.25	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193144512
K 766.491	K-R	n	2.07724819	2.07724819	mg/L	2982.76368817	0.01189934	0.57284156	16.83699063	0.56	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.951536282
Li 670.783	Li-R	n	0.00371261	0.00371261	mg/L	437.10563172	0.00128878	34.71349174	134.87310171	30.86	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433
Mg 279.800	Mg-R	n	3.72278294	3.72278294	mg/L	8568.26395848	0.02174883	0.58420901	48.93247330	0.57	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.889575562
Mn 257.610	Mn	n	1.14623065	1.14623065	mg/L	428755.44437564	0.00777579	0.67837886	2903.79753132	0.68	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307
Mo 204.598	Mo	n	0.01384563	0.01384563	mg/L	105.76839236	0.00100071	7.22764034	6.76388325	6.39	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.070635214
Na 589.592	Na-R	n	5.57388660	5.57388660	mg/L	57901.59872799	0.01327122	0.23809634	136.24113352	0.24	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908622094
Ni 231.604	Ni	n	0.09197900	0.09197900	mg/L	1931.39302629	0.00156529	1.70179051	31.22121784	1.62	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964401687
P 177.434	P	n	1.17802220	1.17802220	mg/L	557.17232056	0.00271612	0.23056610	1.27808846	0.23		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666
Pb 220.353	Pb	n	4.55186875	4.55186875	mg/L	35475.51759146	0.03539429	0.77757722	275.98286244	0.78	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.382831434
S 181.972	S	n	3.40172048	3.40172048	mg/L	4246.45238791	0.00806814	0.23717819	9.90222098	0.23		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.324009532
Sb 206.834	Sb	nu	-0.00965908	-0.00965908	mg/L	-51.71387061	0.00751541	77.80671003	18.27903536	35.35	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.207289616
Se 196.026	Se	n	0.01704796	0.01704796	mg/L	87.56344263	0.00223579	13.11470867	5.53660335	6.32	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.352259087
Si 251.611	Si	n	4.98464542	4.98464542	mg/L	37698.17082014	0.04913109	0.98564871	370.61255505	0.98		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.340286930
Sn 189.925	Sn	n	0.04582078	0.04582078	mg/L	389.36223614	0.00146898	3.20592565	11.50516867	2.95	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.078889314
Sr 421.552	Sr-R	n	0.02217861	0.02217861	mg/L	10147.89873320	0.00007270	0.32777712	33.00214046	0.33	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011737
Ti 334.941	Ti	n	0.17508354	0.17508354	mg/L	52780.91275835	0.00658390	3.76043472	1969.76870908	3.73	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.524643
Tl 190.794	Tl	nu	-0.00866037	-0.00866037	mg/L	-12.05004725	0.00181743	20.98564095	4.13275298	34.30	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.948562690
V 292.401	V	n	0.00846455	0.00846455	mg/L	148.78098785	0.00068761	8.12344800	22.02154913	14.80	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674703
Zn 206.200	Zn	no	60.22911561	60.22911561	mg/L	2403301.52184679	0.88869308	1.47552072	35448.59363722	1.48	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454767727
Y 371.029	Y		0.87	0.87	Ratio	452631.25	0.01	1.33	6018.36	1.33		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	124430.05	0.00	0.14	169.40	0.14		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	494459-024	Client ID:	231023-L-FIELDBLANK1-HO
Seqnum:	673428353081.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	325075	Time:	24-OCT-2023 15:33
Cal:	673428353001	Caldate:	24-OCT-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	0.02720	1.4	0.50	0.16	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	518823	469714	-9.47

u=use

Instrument ID: MET09

Label:	494459-024,325075	Rack:Tube:	1:54	Type:	Sample
Date Time:	10/24/2023 3:33:02 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00038546	0.00038546	mg/L	556.22498487	0.00017575	45.59487703	12.01898484	2.16		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699
Al 396.152	Al	n	0.06678243	0.06678243	mg/L	3367.14962209	0.00135149	2.02372002	42.19642042	1.25	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	0.02514800	0.02514800	mg/L	99.98380485	0.00153428	6.10101283	5.84751817	5.85	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716
B 249.678	B	n	0.02639156	0.02639156	mg/L	1378.55580004	0.00053383	2.02271860	18.59489811	1.35	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898
Ba 230.424	Ba	n	0.00660392	0.00660392	mg/L	766.04486822	0.00024438	3.70059476	20.20535569	2.64	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527
Be 313.107	Be	n	0.00009686	0.00009686	mg/L	242.64127719	0.00001748	18.05129361	35.99479288	14.83	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872
Ca 317.933	Ca-R	n	6.00689477	6.00689477	mg/L	81039.72234732	0.01709274	0.28455206	227.24574190	0.28	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134
Cd 214.439	Cd	n	0.00030325	0.00030325	mg/L	61.14235957	0.00001644	5.42154725	2.57426278	4.21	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986
Co 230.786	Co	n	0.00092291	0.00092291	mg/L	81.69362153	0.00009778	10.59468016	3.45409719	4.23	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998
Cr 267.716	Cr	n	0.00191038	0.00191038	mg/L	164.94497009	0.00009236	4.83442895	5.32626997	3.23	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141
Cu 324.754	Cu	n	0.01994844	0.01994844	mg/L	1188.48924743	0.00033414	1.67499426	11.53896857	0.97	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431
Fe 259.940	Fe	n	0.15126415	0.15126415	mg/L	8308.05498133	0.00122781	0.81169744	65.92857484	0.79	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126
K 766.491	K-R	n	2.45928140	2.45928140	mg/L	3585.22850823	0.01718547	0.69880056	24.31661016	0.68	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n	0.00277003	0.00277003	mg/L	301.29495016	0.00032796	11.83953227	34.32145981	11.39	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	n	2.90986961	2.90986961	mg/L	6646.73956424	0.01677145	0.57636443	37.73391830	0.57	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281
Mn 257.610	Mn	n	0.00653123	0.00653123	mg/L	2998.36570740	0.00005601	0.85761258	20.91742079	0.70	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	n	0.00999776	0.00999776	mg/L	77.93286756	0.00100322	10.03446942	6.78084972	8.70	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423
Na 589.592	Na-R	n	5.72054972	5.72054972	mg/L	59679.75612170	0.02616040	0.45730572	268.56028573	0.45	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945
Ni 231.604	Ni	nu	0.00006936	0.00006936	mg/L	87.78483450	0.00015390	221.88033307	3.06970667	3.50	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876
P 177.434	P	n	1.42893664	1.42893664	mg/L	675.11539065	0.00961706	0.67302189	4.52537070	0.67		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741
Pb 220.353	Pb	n	0.02719503	0.02719503	mg/L	191.69155604	0.00201183	7.39779234	15.68702295	8.18	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482
S 181.972	S	n	3.66481794	3.66481794	mg/L	4581.75549564	0.01751912	0.47803513	21.50163321	0.47		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	n	0.01904445	0.01904445	mg/L	6.92623509	0.00220575	11.58212061	5.36484506	77.46	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654
Se 196.026	Se	n	0.01882783	0.01882783	mg/L	112.07389206	0.00188898	10.03289027	4.67776933	4.17	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715
Si 251.611	Si	n	0.54034340	0.54034340	mg/L	4263.16519202	0.00942540	1.74433494	71.09899068	1.67		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041
Sn 189.925	Sn	n	0.03976185	0.03976185	mg/L	335.03739584	0.00092403	2.32390246	7.23704886	2.16	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416
Sr 421.552	Sr-R	n	0.01160210	0.01160210	mg/L	5304.79637206	0.00005921	0.51032434	26.87894216	0.51	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	n	0.00487758	0.00487758	mg/L	1865.06883173	0.00046068	9.44481726	137.82550809	7.39	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	nu	-0.01283454	-0.01283454	mg/L	-21.91949952	0.00114129	8.89235967	2.59524282	11.84	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028
V 292.401	V	n	0.00054303	0.00054303	mg/L	16.59019192	0.00035761	65.85404047	11.45274084	69.03	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028
Zn 206.200	Zn	n	0.87722015	0.87722015	mg/L	35014.59868152	0.00722714	0.82386887	288.27959781	0.82	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271
Y 371.029	Y		0.91	0.91	Ratio	469713.71	0.01	1.44	6771.98	1.44		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.04	1.04	Ratio	130927.52	0.01	0.76	992.24	0.76		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	494459-025	Client ID:	231023-L-MEDBLANK1-HO
Seqnum:	673428353082.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	325075	Time:	24-OCT-2023 15:36
Cal:	673428353001	Caldate:	24-OCT-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	0.003138	ND	0.50	0.16	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	518823	468745	-9.65

u=use

Instrument ID: MET09

Label:	494459-025,325075	**Rack:Tube:**	1:55	**Type:**	Sample
Date Time:	10/24/2023 3:36:09 PM	**Weight:**	1	**Volume:**	1
Dilution:	1	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient
Ag 328.068	Ag	nu	0.00007637	0.00007637	mg/L	534.82232146	0.00020276	265.50983698	13.86589351	2.59		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250
Al 396.152	Al	n	0.02393898	0.02393898	mg/L	2025.47369837	0.00090784	3.79231803	28.34480435	1.40	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.1626263
As 188.980	As	n	0.02650712	0.02650712	mg/L	105.15116354	0.00191760	7.23429608	7.30844537	6.95	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390
B 249.678	B	n	0.02495863	0.02495863	mg/L	1329.21059869	0.00032188	1.28966024	11.21215938	0.84	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119
Ba 230.424	Ba	n	0.00708805	0.00708805	mg/L	805.94572653	0.00005161	0.72813915	4.26711277	0.53	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930
Be 313.107	Be	n	0.00002594	0.00002594	mg/L	96.54706363	0.00000653	25.17902530	13.44768225	13.93	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356
Ca 317.933	Ca-R	n	1.69388287	1.69388287	mg/L	23698.69627255	0.01013304	0.59821392	134.71745867	0.57	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329
Cd 214.439	Cd	n	0.00007065	0.00007065	mg/L	24.52896486	0.00006795	96.17400550	10.63871918	43.37	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742
Co 230.786	Co	n	0.00021278	0.00021278	mg/L	56.58234009	0.00012444	58.48243930	4.39576210	7.77	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110
Cr 267.716	Cr	n	0.00141487	0.00141487	mg/L	136.02027738	0.00023076	16.30992714	13.30838452	9.78	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676
Cu 324.754	Cu	n	0.02089684	0.02089684	mg/L	1221.01546020	0.00047360	2.26636259	16.35515085	1.34	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179
Fe 259.940	Fe	n	0.05589220	0.05589220	mg/L	3186.12114135	0.00096346	1.72378382	51.73416868	1.62	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445
K 766.491	K-R	n	2.08729087	2.08729087	mg/L	3059.59093744	0.03399140	1.62849358	48.09618059	1.57	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.95153628
Li 670.783	Li-R	n	0.00310234	0.00310234	mg/L	334.16617901	0.00032242	10.39267044	33.74141511	10.10	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433
Mg 279.800	Mg-R	n	2.80717499	2.80717499	mg/L	6415.48904212	0.01981262	0.70578508	44.57621246	0.69	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556
Mn 257.610	Mn	n	0.00440163	0.00440163	mg/L	2201.60682066	0.00009803	2.22710460	36.60803260	1.66	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307
Mo 204.598	Mo	n	0.00259268	0.00259268	mg/L	27.88601073	0.00065401	25.22514010	4.42048791	15.85	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521
Na 589.592	Na-R	n	3.99407935	3.99407935	mg/L	41958.59803295	0.03515828	0.88025984	360.93165312	0.86	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220
Ni 231.604	Ni	nu	-0.00000043	-0.00000043	mg/L	86.27873813	0.00053651	125000.21926195	10.70121080	12.40	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016
P 177.434	P	n	1.52441063	1.52441063	mg/L	719.98900380	0.01801620	1.18184690	8.47764420	1.18		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666
Pb 220.353	Pb	n	0.00313762	0.00313762	mg/L	4.23918699	0.00083872	26.73100225	6.53980974	> 100.00	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143
S 181.972	S	n	2.57232796	2.57232796	mg/L	3240.86267769	0.00808410	0.31427177	9.92181081	0.31		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.32400953
Sb 206.834	Sb	nu	-0.00079774	-0.00079774	mg/L	-41.30069046	0.00421968	528.95627262	10.26313995	24.85	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961
Se 196.026	Se	n	0.02096886	0.02096886	mg/L	117.39334728	0.00187382	8.93619696	4.64023564	3.95	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908
Si 251.611	Si	n	0.46858696	0.46858696	mg/L	3723.27093320	0.00787437	1.68045051	59.39906792	1.60		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693
Sn 189.925	Sn	n	0.03896198	0.03896198	mg/L	328.70064264	0.00068775	1.76517539	5.38649140	1.64	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931
Sr 421.552	Sr-R	n	0.00755137	0.00755137	mg/L	3447.50360077	0.00007974	1.05598008	36.20015508	1.05	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011
Ti 334.941	Ti	n	0.00098727	0.00098727	mg/L	701.54480297	0.00021253	21.52719263	63.58508698	9.06	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.524643
Tl 190.794	Tl	nu	-0.01687638	-0.01687638	mg/L	-31.14034895	0.00136658	8.09758704	3.10753216	9.98	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269
V 292.401	V	n	0.00040257	0.00040257	mg/L	12.90985656	0.00039573	98.30100852	12.67364379	98.17	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747
Zn 206.200	Zn	n	0.60080070	0.60080070	mg/L	23987.56052995	0.00571538	0.95129356	227.97760931	0.95	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677
Y 371.029	Y		0.90	0.90	Ratio	468744.73	0.02	1.69	7933.26	1.69		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.05	1.05	Ratio	132120.95	0.01	1.29	1699.62	1.29		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09	Lab ID:	QC1102278		
Seqnum:	673428353085.3	Matrix:	Wipe		
File:	icp data	Batch:	325074	Time:	24-OCT-2023 15:45
Cal:	673428353001	Caldate:	24-OCT-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	0.003470	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	518823	468943	-9.61

u=use

Instrument ID: MET09

Label:	BLANK,QC1102278,325074	Rack:Tube:	1:59	Type:	Sample
Date Time:	10/24/2023 3:45:31 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00059340	0.00059340	mg/L	570.17064494	0.00031936	53.81933103	21.83999734	3.83		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699
Al 396.152	Al	n	0.02345533	0.02345533	mg/L	2008.04915169	0.00065229	2.78100471	20.36602660	1.01	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	0.00104560	0.00104560	mg/L	8.08351799	0.00079943	76.45641189	3.04680815	37.69	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716
B 249.678	B	n	0.00493291	0.00493291	mg/L	631.97687769	0.00065929	13.36508249	22.96509812	3.63	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898
Ba 230.424	Ba	n	0.00105640	0.00105640	mg/L	307.09538849	0.00038908	36.83059001	32.16834024	10.48	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527
Be 313.107	Be	n	0.00026727	0.00026727	mg/L	593.24410830	0.00001457	5.45184543	29.99659906	5.06	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872
Ca 317.933	Ca-R	n	0.04463166	0.04463166	mg/L	1770.32454855	0.00290044	6.49862350	38.56101477	2.18	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134
Cd 214.439	Cd	n	0.00031763	0.00031763	mg/L	63.12427425	0.00007991	25.15729814	12.51147058	19.82	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986
Co 230.786	Co	n	0.00065161	0.00065161	mg/L	72.08289447	0.00040641	62.37017482	14.35665080	19.92	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998
Cr 267.716	Cr	n	0.00158430	0.00158430	mg/L	145.50752988	0.00054193	34.20647496	31.25385374	21.48	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141
Cu 324.754	Cu	n	0.00342184	0.00342184	mg/L	617.26177355	0.00099828	29.17379869	34.47445284	5.59	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431
Fe 259.940	Fe	n	0.02485612	0.02485612	mg/L	1514.48515304	0.00039470	1.58794274	21.19393954	1.40	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126
K 766.491	K-R	nu	0.00349896	0.00349896	mg/L	111.98146662	0.02322733	663.83442361	32.86553939	29.35	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n	0.00101214	0.00101214	mg/L	114.01556038	0.00109252	107.94151923	114.33473522	> 100.00	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	nu	-0.00507261	-0.00507261	mg/L	88.17054739	0.00635854	125.35054489	14.30601345	16.23	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281
Mn 257.610	Mn	n	0.00078840	0.00078840	mg/L	850.21545450	0.00001836	2.32876911	6.85634693	0.81	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	n	0.00682645	0.00682645	mg/L	56.51342464	0.00100592	14.73565077	6.79909236	12.03	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423
Na 589.592	Na-R	n	0.04484479	0.04484479	mg/L	1417.16031775	0.01636964	36.50286911	168.04918761	11.86	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945
Ni 231.604	Ni	n	0.00048048	0.00048048	mg/L	95.75819113	0.00029828	62.07993876	5.94948627	6.21	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876
P 177.434	P	n	0.02281798	0.02281798	mg/L	13.38311164	0.00371037	16.26074170	1.74594079	13.05		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741
Pb 220.353	Pb	n	0.00347005	0.00347005	mg/L	6.82749402	0.00135620	39.08306105	10.57482093	> 100.00	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482
S 181.972	S	n	0.01966374	0.01966374	mg/L	107.98550921	0.00276279	14.05016210	3.39083463	3.14		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	n	0.00733730	0.00733730	mg/L	-21.49328109	0.00467234	63.67922770	11.36409533	52.87	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654
Se 196.026	Se	n	0.00513322	0.00513322	mg/L	78.13665275	0.00276936	53.94968261	6.85790445	8.78	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715
Si 251.611	Si	n	0.06918886	0.06918886	mg/L	711.40949781	0.00620770	8.97210490	46.82676987	6.58		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041
Sn 189.925	Sn	n	0.02733774	0.02733774	mg/L	237.56773670	0.00065385	2.39176213	5.12103373	2.16	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416
Sr 421.552	Sr-R	n	0.00023810	0.00023810	mg/L	120.38558986	0.00003256	13.67515699	14.78147107	12.28	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	n	0.00162767	0.00162767	mg/L	893.09714452	0.00048846	30.00996744	146.13839491	16.36	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	nu	-0.00328958	-0.00328958	mg/L	-0.26194162	0.00331799	100.86355642	7.54493584	> 100.00	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028
V 292.401	V	nu	0.00020877	0.00020877	mg/L	7.06694555	0.00038896	186.31348779	12.45683048	> 100.00	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028
Zn 206.200	Zn	n	0.01107893	0.01107893	mg/L	463.75203693	0.00009267	0.83647011	3.69654065	0.80	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271
Y 371.029	Y		0.90	0.90	Ratio	468943.09	0.02	1.93	9039.03	1.93		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.04	1.04	Ratio	130357.29	0.00	0.47	617.26	0.47		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09	Lab ID:	QC1102281		
Seqnum:	673428353078.2	Matrix:	Wipe		
File:	icp data	Batch:	325075	Time:	24-OCT-2023 15:23
Cal:	673428353001	Caldate:	24-OCT-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	0.003150	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	518823	471404	-9.14

u=use

Instrument ID: MET09

Label:	BLANK,QC1102281,325075	**Rack:Tube:**	1:51	**Type:**	Sample
Date Time:	10/24/2023 3:23:41 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]
Ag 328.068	Ag	n	0.00050556	0.00050556	mg/L	564.00273149	0.00048116	95.17449669	32.90468872	5.83		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.97692506
Al 396.152	Al	n	0.02414771	0.02414771	mg/L	2031.81137866	0.00299324	12.39555762	93.45552403	4.60	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	0.00199474	0.00199474	mg/L	12.38223442	0.00086371	43.29944099	3.29180396	26.58	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.238503907
B 249.678	B	n	0.00392452	0.00392452	mg/L	593.45659012	0.00032565	8.29788066	11.34350049	1.91	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.19151198
Ba 230.424	Ba	n	0.00076605	0.00076605	mg/L	283.77701725	0.00047055	61.42552645	38.90428567	13.71	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.57559305
Be 313.107	Be	n	0.00012227	0.00012227	mg/L	295.57580918	0.00003939	32.21415688	81.08761168	27.43	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.373568
Ca 317.933	Ca-R	n	0.01962601	0.01962601	mg/L	1440.03875880	0.00155190	7.90737745	20.63234243	1.43	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.86683291
Cd 214.439	Cd	n	0.00043648	0.00043648	mg/L	93.19972542	0.00005204	11.92162254	8.14753378	8.74	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.5727429
Co 230.786	Co	n	0.00078284	0.00078284	mg/L	77.00451827	0.00047600	60.80363938	16.81470526	21.84	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.37491109
Cr 267.716	Cr	n	0.00599188	0.00599188	mg/L	399.98672571	0.00119920	20.01383022	69.15930481	17.29	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.97916761
Cu 324.754	Cu	n	0.00307099	0.00307099	mg/L	604.14952963	0.00087046	28.34464083	30.06030229	4.98	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.82201794
Fe 259.940	Fe	n	5.87902059	5.87902059	mg/L	315860.82099644	0.07952650	1.35271687	4270.27046683	1.35	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.19314451
K 766.491	K-R	n	0.01293593	0.01293593	mg/L	121.68726146	0.00662503	51.21419602	9.37409893	7.70	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.951536282
Li 670.783	Li-R	n	0.00201849	0.00201849	mg/L	221.34668158	0.00023016	11.40253796	24.08655031	10.88	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.0677169869211 4	104651.9604334
Mg 279.800	Mg-R	nu	-0.00390365	-0.00390365	mg/L	96.44445063	0.00432093	110.68941538	9.72162157	10.08	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.889575562
Mn 257.610	Mn	n	0.00817062	0.00817062	mg/L	3615.83966542	0.00006327	0.77438320	23.62831820	0.65	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.0103072
Mo 204.598	Mo	n	0.00158772	0.00158772	mg/L	21.21179524	0.00196060	123.48529597	13.25181184	62.47	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.070635214
Na 589.592	Na-R	n	0.06779459	0.06779459	mg/L	1636.69554894	0.02060221	30.38915923	211.50037000	12.92	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.90862209
Ni 231.604	Ni	n	0.00050646	0.00050646	mg/L	96.89284002	0.00019823	39.14008103	3.95388845	4.08	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.96440168
P 177.434	P	n	0.01859353	0.01859353	mg/L	11.39666380	0.00257919	13.87144084	1.21365523	10.65		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.5567366667
Pb 220.353	Pb	n	0.00315022	0.00315022	mg/L	4.84405090	0.00223954	71.09146940	17.46251599	> 100.00	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.382831434
S 181.972	S	n	0.10804125	0.10804125	mg/L	215.67548620	0.00849976	7.86714249	10.43195836	4.84		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.324009532
Sb 206.834	Sb	n	0.00535421	0.00535421	mg/L	-25.61527712	0.00178831	33.40015363	4.34954831	16.98	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.207289616
Se 196.026	Se	nu	0.00169705	0.00169705	mg/L	68.39209822	0.00303756	178.99121078	7.52207483	11.00	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.352259087
Si 251.611	Si	n	0.08100722	0.08100722	mg/L	795.27966422	0.00472102	5.82789694	35.61224041	4.48		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.340286930
Sn 189.925	Sn	n	0.03314091	0.03314091	mg/L	283.42598397	0.00118994	3.59053582	9.31967558	3.29	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.078889314
Sr 421.552	Sr-R	n	0.00008947	0.00008947	mg/L	52.91474968	0.00004536	50.69322761	20.59105163	38.91	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.1090117
Ti 334.941	Ti	n	0.00041225	0.00041225	mg/L	529.15406970	0.00010603	25.71981685	31.72230020	5.99	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.5246432
Tl 190.794	Tl	nu	-0.00312527	-0.00312527	mg/L	0.12726032	0.00089182	28.53591020	2.02796130	> 100.00	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.948562690
V 292.401	V	n	0.00045052	0.00045052	mg/L	7.47283659	0.00032707	72.59897657	10.47481153	> 100.00	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.08067470
Zn 206.200	Zn	n	0.09084907	0.09084907	mg/L	3696.46844928	0.00043782	0.48192454	17.46412075	0.47	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.45476772
Y 371.029	Y		0.91	0.91	Ratio	471403.51	0.02	2.38	11232.03	2.38		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.04	1.04	Ratio	131130.09	0.00	0.41	538.45	0.41		-	-	-	Fitted	-	-

ENTHALPY SPIKE USER REPORT FOR 494459 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET09	Inst:	MET09
Seqnum:	673428353079.2	Seqnum:	673428353080.2
File:	icp data	File:	icp data
IDF:	1.0	IDF:	1.0
Lab ID:	QC1102282	Lab ID:	QC1102283
Matrix:	Wipe	Matrix:	Wipe
Batch:	325075	Batch:	325075
Time:	24-OCT-2023 15:26	Time:	24-OCT-2023 15:29
Cal:	673428353001	Cal:	673428353001
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	2.188	109.4	A	109	2.205	110.3	A	110	80-120	1	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	518823	467286	-9.93

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	518823	469058	-9.59

u=use

Instrument ID: MET09

Label:	BS,QC1102282,325075	Rack:Tube:	1:52	Type:	Sample
Date Time:	10/24/2023 3:26:48 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3	Flags Replicate 1:		Flags Replicate 2:	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	1.00526731	1.00526731	mg/L	69276.04626398	0.00416304	0.41412295	284.69374120	0.41		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.97692506
Al 396.152	Al	n	2.10287755	2.10287755	mg/L	66935.16043196	0.02922126	1.38958433	912.35083500	1.36	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	2.06276645	2.06276645	mg/L	7866.07750928	0.01236430	0.59940383	47.12330044	0.60	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.238503907
B 249.678	B	n	1.99266874	1.99266874	mg/L	69869.53292243	0.01492901	0.74919665	520.02497200	0.74	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.19151198
Ba 230.424	Ba	n	2.33113710	2.33113710	mg/L	192955.40795142	0.03711660	1.59221028	3068.74799207	1.59	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.57559305
Be 313.107	Be	n	2.25665867	2.25665867	mg/L	4645678.51588199	0.03881115	1.71985047	79897.97728150	1.72	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.373568
Ca 317.933	Ca-R	n	2.05360155	2.05360155	mg/L	28481.48170689	0.00635302	0.30936003	84.46258724	0.30	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.86683291
Cd 214.439	Cd	n	2.14442785	2.14442785	mg/L	335784.79637735	0.01301069	0.60672088	2037.16949578	0.61	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.5727429
Co 230.786	Co	n	2.21118801	2.21118801	mg/L	78160.22964540	0.02789913	1.26172571	985.54713796	1.26	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.37491109
Cr 267.716	Cr	n	2.13337199	2.13337199	mg/L	123088.21032843	0.03227929	1.51306443	1861.57841972	1.51	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.97916761
Cu 324.754	Cu	n	2.17739637	2.17739637	mg/L	75692.95670937	0.02876977	1.32129230	993.53013646	1.31	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.82201794
Fe 259.940	Fe	n	2.24638714	2.24638714	mg/L	120806.45439451	0.03185325	1.41797667	1710.39802834	1.42	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.19314451
K 766.491	K-R	n	19.19524495	19.19524495	mg/L	27264.78910579	0.06979069	0.36358320	98.75043890	0.36	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.951536282
Li 670.783	Li-R	n	2.00764519	2.00764519	mg/L	210113.97298177	0.00404868	0.20166322	423.70249606	0.20	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.9604334
Mg 279.800	Mg-R	n	1.96407225	1.96407225	mg/L	4520.70941104	0.01132173	0.57644170	25.47264542	0.56	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.889575562
Mn 257.610	Mn	n	2.17978278	2.17978278	mg/L	814580.44118552	0.03348088	1.53597301	12503.13183103	1.53	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.0103072
Mo 204.598	Mo	n	2.27775452	2.27775452	mg/L	15405.97916944	0.04818553	2.11548391	325.68940417	2.11	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.070635214
Na 589.592	Na-R	n	3.18749878	3.18749878	mg/L	33668.74016538	0.02104712	0.66030191	216.06776214	0.64	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.90862209
Ni 231.604	Ni	n	2.16960291	2.16960291	mg/L	43361.36223726	0.02617566	1.20647232	522.09875391	1.20	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.96440168
P 177.434	P	n	0.02516335	0.02516335	mg/L	14.49813703	0.00576529	22.91144643	2.71289458	18.71		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.5567366667
Pb 220.353	Pb	n	2.18849908	2.18849908	mg/L	17040.63697920	0.01270353	0.58046761	99.05427358	0.58	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.382831434
S 181.972	S	n	0.06470086	0.06470086	mg/L	163.08844714	0.00334590	5.17133728	4.10650288	2.52		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.324009532
Sb 206.834	Sb	n	1.97500882	1.97500882	mg/L	4764.37611554	0.01698806	0.86015109	41.31848310	0.87	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.207289616
Se 196.026	Se	n	1.85598203	1.85598203	mg/L	4661.12764765	0.00647489	0.34886584	16.03410160	0.34	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.352259087
Si 251.611	Si	n	9.16737594	9.16737594	mg/L	69338.91774312	0.06940968	0.75713792	523.58083120	0.76		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.340286930
Sn 189.925	Sn	n	0.02946077	0.02946077	mg/L	254.45838734	0.00103962	3.52884386	8.14242146	3.20	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.078889314
Sr 421.552	Sr-R	n	2.04177615	2.04177615	mg/L	926929.55806105	0.03004014	1.47127471	13637.38398615	1.47	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.1090117
Ti 334.941	Ti	n	2.19160750	2.19160750	mg/L	656089.80010427	0.07006686	3.19705314	20962.56881695	3.20	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.5246432
Tl 190.794	Tl	n	2.29825211	2.29825211	mg/L	5233.39173278	0.05607223	2.43977734	127.50537636	2.44	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.948562690
V 292.401	V	n	2.15040845	2.15040845	mg/L	68866.49982658	0.03196608	1.48651212	1023.74832798	1.49	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.08067470
Zn 206.200	Zn	n	2.15687997	2.15687997	mg/L	86075.82678743	0.01057411	0.49025033	421.78495189	0.49	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.45476772
Y 371.029	Y		0.90	0.90	Ratio	467286.38	0.02	2.47	11547.68	2.47		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.05	1.05	Ratio	132527.32	0.00	0.17	226.77	0.17		-	-	-	Fitted	-	-

Instrument ID: MET09

Label:	BSD,QC1102283,325075	**Rack:Tube:**	1:53	**Type:**	Sample
Date Time:	10/24/2023 3:29:55 PM	**Weight:**	1	**Volume:**	1
Dilution:	1	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3	**Flags Replicate 1:**		**Flags Replicate 2:**	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	1.01103681	1.01103681	mg/L	69670.60233229	0.00362797	0.35883631	248.10208365	0.36		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.97692506
Al 396.152	Al	n	2.12973064	2.12973064	mg/L	67773.55759198	0.02662872	1.25033296	831.40635830	1.23	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	2.07878577	2.07878577	mg/L	7927.12776705	0.01225531	0.58954189	46.70792053	0.59	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.238503907
B 249.678	B	n	2.00900944	2.00900944	mg/L	70438.74793533	0.01735396	0.86380659	604.49367200	0.86	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.19151198
Ba 230.424	Ba	n	2.34862215	2.34862215	mg/L	194401.04465063	0.03565810	1.51825634	2948.16130020	1.52	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.57559305
Be 313.107	Be	n	2.27975530	2.27975530	mg/L	4693226.03999766	0.03749970	1.64490043	77198.18145642	1.64	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.373568
Ca 317.933	Ca-R	n	2.04760499	2.04760499	mg/L	28401.74360417	0.02919235	1.42568249	388.10834864	1.37	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832913
Cd 214.439	Cd	n	2.15621661	2.15621661	mg/L	337630.58458353	0.01586675	0.73586061	2484.36111213	0.74	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.5727429
Co 230.786	Co	n	2.23355690	2.23355690	mg/L	78950.41797251	0.02860288	1.28059785	1010.40752093	1.28	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.37491109
Cr 267.716	Cr	n	2.15594776	2.15594776	mg/L	124390.17592814	0.02890677	1.34079174	1667.08170829	1.34	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.97916761
Cu 324.754	Cu	n	2.19410030	2.19410030	mg/L	76269.81262027	0.02418965	1.10248597	835.36099809	1.10	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017943
Fe 259.940	Fe	n	2.24094773	2.24094773	mg/L	120514.36761936	0.02556218	1.14068615	1372.59177225	1.14	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.19314451
K 766.491	K-R	n	19.13125568	19.13125568	mg/L	27174.26255547	0.22101677	1.15526535	312.72801457	1.15	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.951536282
Li 670.783	Li-R	n	2.00934361	2.00934361	mg/L	210291.70298703	0.02241801	1.11568818	2346.08861646	1.12	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433
Mg 279.800	Mg-R	n	1.95623645	1.95623645	mg/L	4503.05335710	0.03182726	1.62696374	71.60781537	1.59	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.889575562
Mn 257.610	Mn	n	2.21156320	2.21156320	mg/L	826448.50405584	0.03163762	1.43055486	11814.78659633	1.43	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307
Mo 204.598	Mo	n	2.30755845	2.30755845	mg/L	15607.42607628	0.04934542	2.13842548	333.52916465	2.14	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.070635214
Na 589.592	Na-R	n	3.18167849	3.18167849	mg/L	33609.03931258	0.05302344	1.66652404	544.33375828	1.62	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.90862209
Ni 231.604	Ni	n	2.19286605	2.19286605	mg/L	43825.36516929	0.02737414	1.24832711	546.00365173	1.25	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.96440168
P 177.434	P	n	0.01872011	0.01872011	mg/L	11.46609740	0.00420691	22.47266207	1.97958810	17.26		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666
Pb 220.353	Pb	n	2.20522367	2.20522367	mg/L	17171.01322669	0.01140330	0.51710411	88.91591317	0.52	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.382831434
S 181.972	S	n	0.06121506	0.06121506	mg/L	158.81529680	0.00303586	4.95933052	3.72598056	2.35		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.324009532
Sb 206.834	Sb	n	2.05571117	2.05571117	mg/L	4960.65655816	0.01945598	0.94643543	47.32097362	0.95	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.207289616
Se 196.026	Se	n	1.88060467	1.88060467	mg/L	4722.10811908	0.00565720	0.30081795	14.00921120	0.30	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.352259087
Si 251.611	Si	n	9.50093863	9.50093863	mg/L	71855.11825647	0.08305781	0.87420631	626.53328686	0.87		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.340286930
Sn 189.925	Sn	n	0.02197048	0.02197048	mg/L	195.79198391	0.00030800	1.40189841	2.41230982	1.23	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.078889314
Sr 421.552	Sr-R	n	2.06214287	2.06214287	mg/L	936175.46765165	0.02048754	0.99350733	9300.77201795	0.99	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011737
Ti 334.941	Ti	n	2.22234872	2.22234872	mg/L	665286.94118589	0.06481469	2.91649520	19391.22926039	2.91	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.524643
Tl 190.794	Tl	n	2.31709332	2.31709332	mg/L	5276.23590056	0.04849356	2.09286176	110.27186076	2.09	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.948562690
V 292.401	V	n	2.16651204	2.16651204	mg/L	69382.26982153	0.02985010	1.37779529	955.98173267	1.38	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674702
Zn 206.200	Zn	n	2.17859518	2.17859518	mg/L	86941.77357351	0.01337873	0.61409915	533.65704274	0.61	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.45476772
Y 371.029	Y		0.90	0.90	Ratio	469057.58	0.02	2.41	11293.23	2.41		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.06	1.06	Ratio	133086.85	0.01	0.81	1083.77	0.81		-	-	-	Fitted	-	-

Instrument:	MET09		
Calibration #:	673428353001	Date:	24-OCT-2023 11:13
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	673428353002	L1	24-OCT-2023 11:16	S19164
L2	icp data	673428353003	L2	24-OCT-2023 11:19	S19163
L3	icp data	673428353004	L3	24-OCT-2023 11:22	S19162
L4	icp data	673428353005	L4	24-OCT-2023 11:25	S19161
L5	icp data	673428353006	L5	24-OCT-2023 11:28	S19156
L6	icp data	673428353007	L6	24-OCT-2023 11:32	S19112

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00157	1.30E-4		6442.5	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	1242.3	6408.5	7773.6	7910.0	7622.2	7698.2

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-37	0.0100	-1	0.1000	3	1.0000	3	5.0000	-1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09		
Calnum:	673428353001	Cal Date:	24-OCT-2023

- ICV 673428353010 (24-OCT-2023) stds: S19239

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.026	mg/L	3	10	

Instrument ID: MET09

Label: ICALBLK | Rack:Tube: S1:1 | Type: BLK

Date Time: 10/24/2023 11:13:20 AM | Weight: - | Volume: -

Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -

LIMS ID: | Customer: | Customer Ref.:

Sample Date Time: | Sample Site: | Description:

Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentra Replicate
Ag 328.068	Ag	n	0.00000000	0.00000000	mg/L	529.58374337	-	-	14.05571780	2.65		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699	0.0000
Al 396.152	Al	n	0.00000000	0.00000000	mg/L	1287.20303266	-	-	26.77508148	2.08	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634	0.0000
As 188.980	As	n	0.00000000	0.00000000	mg/L	8.33131047	-	-	3.75743710	45.10	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716	0.0000
B 249.678	B	n	0.00000000	0.00000000	mg/L	521.24839531	-	-	16.70986658	3.21	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898	0.0000
Ba 230.424	Ba	n	0.00000000	0.00000000	mg/L	238.60938342	-	-	3.26697330	1.37	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527	0.0000
Be 313.107	Be	n	0.00000000	0.00000000	mg/L	71.65194043	-	-	8.27802816	11.55	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872	0.0000
Ca 317.933	Ca-R	n	0.00000000	0.00000000	mg/L	1178.80939826	-	-	4.52833857	0.38	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134	0.0000
Cd 214.439	Cd	n	0.00000000	0.00000000	mg/L	14.88985397	-	-	5.88036973	39.49	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986	0.0000
Co 230.786	Co	n	0.00000000	0.00000000	mg/L	54.23340809	-	-	8.07924884	14.90	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998	0.0000
Cr 267.716	Cr	n	0.00000000	0.00000000	mg/L	49.50935702	-	-	10.63268818	21.48	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.979167614 1	0.0000
Cu 324.754	Cu	n	0.00000000	0.00000000	mg/L	553.34141948	-	-	21.57749514	3.90	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431	0.0000
Fe 259.940	Fe	n	0.00000000	0.00000000	mg/L	531.26955751	-	-	717.80283382	> 100.00	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126	0.0000
K 766.491	K-R	n	0.00000000	0.00000000	mg/L	160.76214119	-	-	11.68948929	7.27	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826	0.0000
Li 670.783	Li-R	n	0.00000000	0.00000000	mg/L	0.00000000	-	-	53.11367682	> 100.00	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493	0.0000
Mg 279.800	Mg-R	n	0.00000000	0.00000000	mg/L	85.23972052	-	-	5.95492135	6.99	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281	0.0000
Mn 257.610	Mn	n	0.00000000	0.00000000	mg/L	744.18352059	-	-	304.17566271	40.87	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225	0.0000
Mo 204.598	Mo	n	0.00000000	0.00000000	mg/L	24.58587525	-	-	6.25307896	25.43	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423	0.0000
Na 589.592	Na-R	n	0.00000000	0.00000000	mg/L	804.96345985	-	-	102.06466855	12.68	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945	0.0000
Ni 231.604	Ni	n	0.00000000	0.00000000	mg/L	80.66439462	-	-	11.15678919	13.83	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876	0.0000
P 177.434	P	n	0.00000000	0.00000000	mg/L	2.64568462	-	-	0.79559145	30.07		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741	0.0000
Pb 220.353	Pb	n	0.00000000	0.00000000	mg/L	-12.10498392	-	-	12.09674352	99.93	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482	0.0000
S 181.972	S	n	0.00000000	0.00000000	mg/L	83.85195108	-	-	2.73370663	3.26		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325	0.0000
Sb 206.834	Sb	n	0.00000000	0.00000000	mg/L	-38.50565861	-	-	2.72535790	7.08	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654	0.0000
Se 196.026	Se	n	0.00000000	0.00000000	mg/L	64.69605407	-	-	1.92671340	2.98	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715	0.0000
Si 251.611	Si	n	0.00000000	0.00000000	mg/L	189.53808929	-	-	11.32904080	5.98		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041	0.0000
Sn 189.925	Sn	n	0.00000000	0.00000000	mg/L	24.55365467	-	-	1.66292106	6.77	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416	0.0000
Sr 421.552	Sr-R	n	0.00000000	0.00000000	mg/L	27.14397419	-	-	13.00938913	47.93	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738	0.0000
Ti 334.941	Ti	n	0.00000000	0.00000000	mg/L	502.04816964	-	-	43.44909850	8.65	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327	0.0000
Tl 190.794	Tl	n	0.00000000	0.00000000	mg/L	7.46087629	-	-	0.65485722	8.78	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028	0.0000
V 292.401	V	n	0.00000000	0.00000000	mg/L	12.55943396	-	-	16.07683933	> 100.00	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028	0.0000
Zn 206.200	Zn	n	0.00000000	0.00000000	mg/L	22.12174063	-	-	2.52637740	11.42	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271	0.0000
Y 371.029	Y		1.00	1.00	Ratio	518822.90	0.00	0.00	5574.12	1.07		-	-	-	Fitted	-	-	1.00
Y 371.029	Y-R		1.00	1.00	Ratio	125677.32	0.00	0.00	823.79	0.66		-	-	-	Fitted	-	-	1.00

Instrument ID: MET09

Label: ICAL,L1,S19164
Rack:Tube: S1:2
Type: STD
Date Time: 10/24/2023 11:16:26 AM
Weight: -
Volume: -
Dilution: -
%RSE limit: -
Calibration Coefficient [3]: -
LIMS ID:
Customer:
Customer Ref.:
Sample Date Time:
Sample Site:
Description:
Replicates: 3
Flags Replicate 1:
Flags Replicate 2:
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1
Ag 328.068	Ag	n			mg/L	559.56117847	-	-	8.01262358	1.43		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699	
Al 396.152	Al	n	0.00666667	0.00666667	mg/L	1538.53457301	-	-	35.91384196	2.33	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634	0.006666
As 188.980	As	n	0.00333333	0.00333333	mg/L	17.58883056	-	-	2.73131109	15.53	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716	0.003333
B 249.678	B	n	0.00333333	0.00333333	mg/L	570.52005749	-	-	7.19085816	1.26	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898	0.003333
Ba 230.424	Ba	n	0.00333333	0.00333333	mg/L	437.16800413	-	-	6.71084740	1.54	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527	0.003333
Be 313.107	Be	n	0.00100000	0.00100000	mg/L	2006.77863269	-	-	14.98292681	0.75	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872	0.001000
Ca 317.933	Ca-R	n	0.03333333	0.03333333	mg/L	1594.56173821	-	-	9.66855677	0.61	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134	0.033333
Cd 214.439	Cd	n	0.00166667	0.00166667	mg/L	269.93173596	-	-	7.81170774	2.89	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986	0.001666
Co 230.786	Co	n	0.00166667	0.00166667	mg/L	101.88951413	-	-	10.69639654	10.50	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998	0.001666
Cr 267.716	Cr	n	0.00333333	0.00333333	mg/L	248.20656070	-	-	7.70485913	3.10	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141	0.003333
Cu 324.754	Cu	n	0.00333333	0.00333333	mg/L	624.63764008	-	-	11.03487592	1.77	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431	0.003333
Fe 259.940	Fe	n	0.00666667	0.00666667	mg/L	485.31066605	-	-	21.29470065	4.39	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126	0.006666
K 766.491	K-R	n	0.06666667	0.06666667	mg/L	145.93160593	-	-	29.48428713	20.20	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826	0.066666
Li 670.783	Li-R	n	0.00333333	0.00333333	mg/L	356.14905645	-	-	34.03608857	9.56	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493	0.003333
Mg 279.800	Mg-R	n	0.03333333	0.03333333	mg/L	155.05578000	-	-	12.42187763	8.01	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281	0.033333
Mn 257.610	Mn	n	0.00333333	0.00333333	mg/L	1764.15074871	-	-	64.11190723	3.63	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225	0.003333
Mo 204.598	Mo	n	0.00333333	0.00333333	mg/L	29.12913715	-	-	3.13764830	10.77	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423	0.003333
Na 589.592	Na-R	n	0.06666667	0.06666667	mg/L	1544.36855310	-	-	111.83746266	7.24	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945	0.066666
Ni 231.604	Ni	n	0.00333333	0.00333333	mg/L	150.91886146	-	-	7.61552139	5.05	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876	0.003333
P 177.434	P	n			mg/L	2.52470543	-	-	1.01914995	40.37		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741	
Pb 220.353	Pb	n	0.00333333	0.00333333	mg/L	4.14111363	-	-	3.19990857	77.27	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482	0.003333
S 181.972	S	n			mg/L	87.61777832	-	-	1.76829402	2.02		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325	
Sb 206.834	Sb	n	0.01000010	0.01000010	mg/L	-12.67688169	-	-	11.25126571	88.75	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654	0.010000
Se 196.026	Se	n	0.01000001	0.01000001	mg/L	97.70396938	-	-	6.93189838	7.09	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715	0.010000
Si 251.611	Si	n			mg/L	120.96079714	-	-	6.17201935	5.10		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041	
Sn 189.925	Sn	n	0.00333333	0.00333333	mg/L	47.03384479	-	-	3.99320291	8.49	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416	0.003333
Sr 421.552	Sr-R	n	0.01666667	0.01666667	mg/L	7409.38261411	-	-	32.73637124	0.44	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738	0.016666
Ti 334.941	Ti	n	0.00333333	0.00333333	mg/L	1395.25128024	-	-	20.29627815	1.45	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327	0.003333
Tl 190.794	Tl	n	0.01000010	0.01000010	mg/L	8.90131527	-	-	8.08855943	90.87	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028	0.010000
V 292.401	V	n	0.00166667	0.00166667	mg/L	52.58852798	-	-	11.55940203	21.98	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028	0.001666
Zn 206.200	Zn	n	0.01000010	0.01000010	mg/L	417.54923570	-	-	7.74929295	1.86	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271	0.010000
Y 371.029	Y		1.00	1.00	Ratio	518279.33	0.01	0.98	5083.63	0.98		-	-	-	Fitted	-	-	0.99
Y 371.029	Y-R		1.01	1.01	Ratio	126405.61	0.00	0.37	473.87	0.37		-	-	-	Fitted	-	-	1.01

Instrument ID: MET09

Label: ICAL,L2,S19163 | Rack:Tube: S1:3 | Type: STD
Date Time: 10/24/2023 11:19:33 AM | Weight: - | Volume: -
Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -
LIMS ID: | Customer: | Customer Ref.:
Sample Date Time: | Sample Site: | Description:
Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentratio Replicate 1
Ag 328.068	Ag	n			mg/L	550.07274198	-	-	20.91572497	3.80		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699	
Al 396.152	Al	n	0.02000000	0.02000000	mg/L	1833.13453945	-	-	40.37694889	2.20	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634	0.02000(
As 188.980	As	n	0.01000000	0.01000000	mg/L	51.71451597	-	-	3.59195837	6.95	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716	0.01000(
B 249.678	B	n	0.01000000	0.01000000	mg/L	773.09203930	-	-	25.04656642	3.24	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898	0.01000(
Ba 230.424	Ba	n	0.01000000	0.01000000	mg/L	902.11931796	-	-	17.16477169	1.90	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527	0.01000(
Be 313.107	Be	n	0.00300000	0.00300000	mg/L	6239.48657957	-	-	105.88350216	1.70	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872	0.00300(
Ca 317.933	Ca-R	n	0.10000000	0.10000000	mg/L	2519.10486427	-	-	9.25383493	0.37	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134	0.10000(
Cd 214.439	Cd	n	0.00500000	0.00500000	mg/L	803.49348909	-	-	18.71943086	2.33	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986	0.00500(
Co 230.786	Co	n	0.00500000	0.00500000	mg/L	210.88171327	-	-	19.86509339	9.42	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998	0.00500(
Cr 267.716	Cr	n	0.01000000	0.01000000	mg/L	709.12765054	-	-	125.78107908	17.74	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141	0.01000(
Cu 324.754	Cu	n	0.01000000	0.01000000	mg/L	785.17618687	-	-	19.31889802	2.46	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431	0.01000(
Fe 259.940	Fe	n	0.02000000	0.02000000	mg/L	2876.65874119	-	-	119.62210116	4.16	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126	0.02000(
K 766.491	K-R	n	0.20000000	0.20000000	mg/L	225.90091075	-	-	50.17977325	22.21	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826	0.20000(
Li 670.783	Li-R	n	0.01000000	0.01000000	mg/L	1046.19481395	-	-	24.64756806	2.36	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493	0.01000(
Mg 279.800	Mg-R	n	0.10000000	0.10000000	mg/L	318.94169160	-	-	6.51562197	2.04	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281	0.10000(
Mn 257.610	Mn	n	0.01000000	0.01000000	mg/L	4347.01752435	-	-	108.90874050	2.51	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225	0.01000(
Mo 204.598	Mo	n	0.01000000	0.01000000	mg/L	79.44787885	-	-	7.45159338	9.38	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423	0.01000(
Na 589.592	Na-R	n	0.20000000	0.20000000	mg/L	2926.91242043	-	-	75.35900799	2.57	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945	0.20000(
Ni 231.604	Ni	n	0.01000000	0.01000000	mg/L	299.28979632	-	-	15.97774051	5.34	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876	0.01000(
P 177.434	P	n			mg/L	2.20225071	-	-	0.63578168	28.87		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741	
Pb 220.353	Pb	n	0.01000000	0.01000000	mg/L	64.08514180	-	-	14.91466068	23.27	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482	0.01000(
S 181.972	S	n			mg/L	81.84006917	-	-	3.12657488	3.82		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325	
Sb 206.834	Sb	n	0.03000030	0.03000030	mg/L	33.01967751	-	-	2.67800995	8.11	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654	0.03000(
Se 196.026	Se	n	0.03000003	0.03000003	mg/L	141.90767858	-	-	6.77999205	4.78	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715	0.03000(
Si 251.611	Si	n			mg/L	123.08393654	-	-	8.48016794	6.89		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041	
Sn 189.925	Sn	n	0.01000000	0.01000000	mg/L	98.80632893	-	-	3.63267322	3.68	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416	0.01000(
Sr 421.552	Sr-R	n	0.05000000	0.05000000	mg/L	22896.32056845	-	-	58.89510249	0.26	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738	0.05000(
Ti 334.941	Ti	n	0.01000000	0.01000000	mg/L	3253.85565324	-	-	69.89362101	2.15	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327	0.01000(
Tl 190.794	Tl	n	0.03000030	0.03000030	mg/L	43.50483784	-	-	11.99428977	27.57	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028	0.03000(
V 292.401	V	n	0.00500000	0.00500000	mg/L	160.27536135	-	-	10.21461658	6.37	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028	0.00500(
Zn 206.200	Zn	n	0.03000030	0.03000030	mg/L	1213.27214069	-	-	11.22173069	0.92	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271	0.03000(
Y 371.029	Y		1.00	1.00	Ratio	518977.05	0.00	0.44	2277.54	0.44		-	-	-	Fitted	-	-	1.00
Y 371.029	Y-R		0.99	0.99	Ratio	124916.54	0.00	0.31	381.74	0.31		-	-	-	Fitted	-	-	0.99

Instrument ID: MET09

Label: ICAL,L3,S19162 | **Rack:Tube:** S1:4 | **Type:** STD

Date Time: 10/24/2023 11:22:40 AM | **Weight:** - | **Volume:** -

Dilution: - | **%RSE limit:** - | **Calibration Coefficient [3]:** -

LIMS ID: | **Customer:** | **Customer Ref.:**

Sample Date Time: | **Sample Site:** | **Description:**

Replicates: 3 | **Flags Replicate 1:** | **Flags Replicate 2:**

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentra Replicate
Ag 328.068	Ag	n			mg/L	537.00707054	-	-	19.97195486	3.72		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699	
Al 396.152	Al	n	0.20000000	0.20000000	mg/L	7360.98054835	-	-	99.82658524	1.36	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634	0.2000
As 188.980	As	n	0.10000000	0.10000000	mg/L	378.04501001	-	-	2.46226735	0.65	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716	0.1000
B 249.678	B	n	0.10000000	0.10000000	mg/L	3811.36371020	-	-	50.62680099	1.33	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898	0.1000
Ba 230.424	Ba	n	0.10000000	0.10000000	mg/L	8695.12916272	-	-	153.77160711	1.77	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527	0.1000
Be 313.107	Be	n	0.03000000	0.03000000	mg/L	64637.36293371	-	-	1061.46870136	1.64	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872	0.0300
Ca 317.933	Ca-R	n	1.00000000	1.00000000	mg/L	14647.39573128	-	-	74.70265862	0.51	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134	1.0000
Cd 214.439	Cd	n	0.05000000	0.05000000	mg/L	7919.75241218	-	-	129.77339756	1.64	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986	0.0500
Co 230.786	Co	n	0.05000000	0.05000000	mg/L	1822.95423446	-	-	38.11889108	2.09	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998	0.0500
Cr 267.716	Cr	n	0.10000000	0.10000000	mg/L	5855.13734005	-	-	91.34093923	1.56	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141	0.1000
Cu 324.754	Cu	n	0.10000000	0.10000000	mg/L	3734.36032899	-	-	73.95955336	1.98	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431	0.1000
Fe 259.940	Fe	n	0.20000000	0.20000000	mg/L	10977.01404924	-	-	205.16445911	1.87	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126	0.2000
K 766.491	K-R	n	2.00000000	2.00000000	mg/L	2567.41033677	-	-	39.21235442	1.53	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826	2.0000
Li 670.783	Li-R	n	0.10000000	0.10000000	mg/L	10538.71068866	-	-	67.09796846	0.64	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493	0.1000
Mg 279.800	Mg-R	n	1.00000000	1.00000000	mg/L	2371.04792004	-	-	5.69535667	0.24	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281	1.0000
Mn 257.610	Mn	n	0.10000000	0.10000000	mg/L	38563.05336682	-	-	617.09570248	1.60	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225	0.1000
Mo 204.598	Mo	n	0.10000000	0.10000000	mg/L	680.34690879	-	-	23.87528696	3.51	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423	0.1000
Na 589.592	Na-R	n	2.00000000	2.00000000	mg/L	21848.52124825	-	-	101.42523294	0.46	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945	2.0000
Ni 231.604	Ni	n	0.10000000	0.10000000	mg/L	2107.66593409	-	-	42.00030554	1.99	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876	0.1000
P 177.434	P	n			mg/L	2.66627979	-	-	2.01417828	75.54		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741	
Pb 220.353	Pb	n	0.10000000	0.10000000	mg/L	777.36331227	-	-	17.27874015	2.22	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482	0.1000
S 181.972	S	n			mg/L	88.63871302	-	-	1.78871447	2.02		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325	
Sb 206.834	Sb	n	0.30000300	0.30000300	mg/L	680.69441063	-	-	16.46906347	2.42	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654	0.3000
Se 196.026	Se	n	0.30000030	0.30000030	mg/L	799.45399956	-	-	22.04962017	2.76	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715	0.3000
Si 251.611	Si	n			mg/L	143.39506003	-	-	4.15684244	2.90		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041	
Sn 189.925	Sn	n	0.10000000	0.10000000	mg/L	796.56646179	-	-	19.03736441	2.39	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416	0.1000
Sr 421.552	Sr-R	n	0.50000000	0.50000000	mg/L	230758.73598269	-	-	494.06068029	0.21	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738	0.5000
Ti 334.941	Ti	n	0.10000000	0.10000000	mg/L	29704.18106100	-	-	575.86191746	1.94	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327	0.1000
Tl 190.794	Tl	n	0.30000300	0.30000300	mg/L	572.24218248	-	-	68.02335380	11.89	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028	0.3000
V 292.401	V	n	0.05000000	0.05000000	mg/L	1572.46201099	-	-	27.59656032	1.75	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028	0.0500
Zn 206.200	Zn	n	0.30000300	0.30000300	mg/L	12172.79377212	-	-	186.50345447	1.53	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271	0.3000
Y 371.029	Y		0.99	0.99	Ratio	516195.20	0.01	0.89	4595.61	0.89		-	-	-	Fitted	-	-	0.99
Y 371.029	Y-R		1.00	1.00	Ratio	125697.94	0.01	0.78	978.63	0.78		-	-	-	Fitted	-	-	1.00

Instrument ID: MET09

Label: ICAL,L4,S19161 | Rack:Tube: S1:5 | Type: STD

Date Time: 10/24/2023 11:25:47 AM | Weight: - | Volume: -

Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -

LIMS ID: | Customer: | Customer Ref.:

Sample Date Time: | Sample Site: | Description:

Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	C R
Ag 328.068	Ag	n			mg/L	499.47043611	-	-	42.20247749	8.45		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699	
Al 396.152	Al	n	2.00000000	2.00000000	mg/L	62488.14937048	-	-	810.54947184	1.30	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634	2
As 188.980	As	n	1.00000000	1.00000000	mg/L	3863.23214640	-	-	38.99903685	1.01	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716	1
B 249.678	B	n	1.00000000	1.00000000	mg/L	35313.53646790	-	-	407.29544590	1.15	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898	1
Ba 230.424	Ba	n	1.00000000	1.00000000	mg/L	88363.34492589	-	-	1012.46301171	1.15	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527	1
Be 313.107	Be	n	0.30000000	0.30000000	mg/L	664150.56874099	-	-	9152.38186474	1.38	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872	0
Ca 317.933	Ca-R	n	10.00000000	10.00000000	mg/L	136768.97653856	-	-	808.41696244	0.59	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134	1
Cd 214.439	Cd	n	0.50000000	0.50000000	mg/L	79629.91318122	-	-	849.78511607	1.07	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986	0
Co 230.786	Co	n	0.50000000	0.50000000	mg/L	18007.66727638	-	-	202.61954498	1.13	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998	0
Cr 267.716	Cr	n	1.00000000	1.00000000	mg/L	58289.35048135	-	-	672.68527423	1.15	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141	1
Cu 324.754	Cu	n	1.00000000	1.00000000	mg/L	34394.62916233	-	-	368.94495282	1.07	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431	1
Fe 259.940	Fe	n	2.00000000	2.00000000	mg/L	108280.60924254	-	-	1361.36646632	1.26	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126	2
K 766.491	K-R	n	20.00000000	20.00000000	mg/L	27734.60370298	-	-	170.88566735	0.62	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826	2
Li 670.783	Li-R	n	1.00000000	1.00000000	mg/L	105237.91942566	-	-	345.35985422	0.33	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493	1
Mg 279.800	Mg-R	n	10.00000000	10.00000000	mg/L	22951.52417062	-	-	163.46135487	0.71	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281	1
Mn 257.610	Mn	n	1.00000000	1.00000000	mg/L	382372.44524640	-	-	4757.03120492	1.24	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225	1
Mo 204.598	Mo	n	1.00000000	1.00000000	mg/L	6815.40760813	-	-	114.19454402	1.68	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423	1
Na 589.592	Na-R	n	20.00000000	20.00000000	mg/L	210814.19745360	-	-	1092.49542266	0.52	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945	2
Ni 231.604	Ni	n	1.00000000	1.00000000	mg/L	20319.58601386	-	-	204.43971913	1.01	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876	1
P 177.434	P	n			mg/L	4.51213988	-	-	0.92310140	20.46		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741	
Pb 220.353	Pb	n	1.00000000	1.00000000	mg/L	7909.98943242	-	-	69.27772142	0.88	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482	1
S 181.972	S	n			mg/L	91.90656970	-	-	3.49310979	3.80		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325	
Sb 206.834	Sb	n	3.00003000	3.00003000	mg/L	7203.66246905	-	-	68.25399659	0.95	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654	3
Se 196.026	Se	n	3.00000300	3.00000300	mg/L	7606.65171948	-	-	85.92706378	1.13	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715	3
Si 251.611	Si	n			mg/L	281.48372070	-	-	11.18097378	3.97		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041	
Sn 189.925	Sn	n	1.00000000	1.00000000	mg/L	7990.95005228	-	-	93.71881361	1.17	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416	1
Sr 421.552	Sr-R	n	5.00000000	5.00000000	mg/L	2309155.87795851	-	-	12320.25744319	0.53	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738	5
Ti 334.941	Ti	n	1.00000000	1.00000000	mg/L	306988.10154354	-	-	4719.91560509	1.54	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327	1
Tl 190.794	Tl	n	3.00003000	3.00003000	mg/L	6880.28149423	-	-	373.16537792	5.42	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028	3
V 292.401	V	n	0.50000000	0.50000000	mg/L	16119.92288331	-	-	180.13071386	1.12	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028	0
Zn 206.200	Zn	n	3.00003000	3.00003000	mg/L	122438.74305819	-	-	1189.30303224	0.97	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271	3
Y 371.029	Y		0.98	0.98	Ratio	508899.46	0.01	0.85	4332.38	0.85		-	-	-	Fitted	-	-	0
Y 371.029	Y-R		0.99	0.99	Ratio	124580.93	0.01	0.81	1014.36	0.81		-	-	-	Fitted	-	-	1

Instrument ID: MET09

Label:	ICAL,L5,S19156	**Rack:Tube:**	S1:6	**Type:**	STD
Date Time:	10/24/2023 11:28:55 AM	**Weight:**	-	**Volume:**	-
Dilution:	-	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3	**Flags Replicate 1:**		**Flags Replicate 2:**	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	452.26991349	-	-	30.84012060	6.82		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699
Al 396.152	Al	n	10.00000000	10.00000000	mg/L	316530.22721053	-	-	5217.94852740	1.65	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	5.00000000	5.00000000	mg/L	19191.42519357	-	-	237.67681893	1.24	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716
B 249.678	B	n	5.00000000	5.00000000	mg/L	173685.88702805	-	-	2284.84018192	1.32	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898
Ba 230.424	Ba	n	5.00000000	5.00000000	mg/L	428200.86661444	-	-	6964.00555425	1.63	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527
Be 313.107	Be	n	1.50000000	1.50000000	mg/L	3243825.18811626	-	-	55183.57657134	1.70	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872
Ca 317.933	Ca-R	n	50.00000000	50.00000000	mg/L	644853.84396618	-	-	3346.78581537	0.52	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134
Cd 214.439	Cd	n	2.50000000	2.50000000	mg/L	380764.72332105	-	-	6465.81215701	1.70	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986
Co 230.786	Co	n	2.50000000	2.50000000	mg/L	86698.72763981	-	-	1223.85345400	1.41	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998
Cr 267.716	Cr	n	5.00000000	5.00000000	mg/L	283379.65411599	-	-	4704.31384496	1.66	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141
Cu 324.754	Cu	n	5.00000000	5.00000000	mg/L	175644.83557570	-	-	3198.21979219	1.82	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431
Fe 259.940	Fe	n	10.00000000	10.00000000	mg/L	524849.52269482	-	-	8691.34927878	1.66	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126
K 766.491	K-R	n	100.00000000	100.00000000	mg/L	136281.85206524	-	-	699.34239917	0.51	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n	5.00000000	5.00000000	mg/L	508749.45282904	-	-	2247.75747529	0.44	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	n	50.00000000	50.00000000	mg/L	108279.77822854	-	-	482.76761175	0.45	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281
Mn 257.610	Mn	n	5.00000000	5.00000000	mg/L	1818593.28894066	-	-	29234.19989651	1.61	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	n	5.00000000	5.00000000	mg/L	33675.66662123	-	-	889.78924013	2.64	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423
Na 589.592	Na-R	n	100.00000000	100.00000000	mg/L	996836.80567461	-	-	3795.13068648	0.38	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945
Ni 231.604	Ni	n	5.00000000	5.00000000	mg/L	97450.68002778	-	-	1455.08533905	1.49	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876
P 177.434	P	n			mg/L	-1.31849550	-	-	0.13434227	10.19		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741
Pb 220.353	Pb	n	5.00000000	5.00000000	mg/L	38110.95588248	-	-	447.88721886	1.18	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482
S 181.972	S	n			mg/L	114.08791095	-	-	3.37023739	2.95		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	n	15.00015000	15.00015000	mg/L	36301.79420359	-	-	419.47919683	1.16	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654
Se 196.026	Se	n	15.00000000	15.00000000	mg/L	36776.50676671	-	-	337.48372770	0.92	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715
Si 251.611	Si	n			mg/L	855.60488863	-	-	94.51920371	11.05		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041
Sn 189.925	Sn	n	5.00000000	5.00000000	mg/L	38683.54462182	-	-	451.15840911	1.17	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416
Sr 421.552	Sr-R	n	25.00000000	25.00000000	mg/L	10916606.21173350	-	-	49146.13384306	0.45	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	n	5.00000000	5.00000000	mg/L	1498115.63761395	-	-	38270.05913427	2.55	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	n	15.00015000	15.00015000	mg/L	34513.49498620	-	-	1616.62644992	4.68	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028
V 292.401	V	n	2.50000000	2.50000000	mg/L	79170.74401545	-	-	1424.75702107	1.80	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028
Zn 206.200	Zn	n	15.00015000	15.00015000	mg/L	571919.58808951	-	-	15143.60250056	2.65	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271
Y 371.029	Y		0.97	0.97	Ratio	501726.48	0.01	0.99	4988.78	0.99		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	124757.40	0.01	0.70	873.30	0.70		-	-	-	Fitted	-	-

Instrument ID: MET09

Label: ICAL,L6,S19112 | **Rack:Tube:** S1:7 | **Type:** STD
Date Time: 10/24/2023 11:32:02 AM | **Weight:** - | **Volume:** -
Dilution: - | **%RSE limit:** - | **Calibration Coefficient [3]:** -
LIMS ID: | **Customer:** | **Customer Ref.:**
Sample Date Time: | **Sample Site:** | **Description:**
Replicates: 3 | **Flags Replicate 1:** | **Flags Replicate 2:**
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	457.69093520	-	-	40.32078143	8.81		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.976925069
Al 396.152	Al	n	20.00000000	20.00000000	mg/L	666094.55101443	-	-	11260.38991037	1.69	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	10.00000000	10.00000000	mg/L	39065.64731080	-	-	374.96779215	0.96	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.2385039071
B 249.678	B	n	10.00000000	10.00000000	mg/L	356889.40680399	-	-	3433.25865820	0.96	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.191511989
Ba 230.424	Ba	n	10.00000000	10.00000000	mg/L	861570.22657552	-	-	15208.84466681	1.77	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.575593052
Be 313.107	Be	n	3.00000000	3.00000000	mg/L	6542440.73293786	-	-	105744.57758550	1.62	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.3735687
Ca 317.933	Ca-R	n	100.00000000	100.00000000	mg/L	1336105.83257808	-	-	5756.43719154	0.43	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832913
Cd 214.439	Cd	n	5.00000000	5.00000000	mg/L	756306.68652125	-	-	16386.25719563	2.17	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.57274298
Co 230.786	Co	n	5.00000000	5.00000000	mg/L	175695.63928839	-	-	2454.61975358	1.40	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.374911099
Cr 267.716	Cr	n	10.00000000	10.00000000	mg/L	571900.21234575	-	-	8522.55555382	1.49	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.979167614
Cu 324.754	Cu	n	10.00000000	10.00000000	mg/L	368915.98298817	-	-	5130.47608462	1.39	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017943
Fe 259.940	Fe	n	20.00000000	20.00000000	mg/L	1061374.70310484	-	-	16724.34597026	1.58	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193144512
K 766.491	K-R	n	200.00000000	200.00000000	mg/L	288139.12498372	-	-	702.07576894	0.24	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n	10.00000000	10.00000000	mg/L	1064472.72431358	-	-	4675.39112557	0.44	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	n	100.00000000	100.00000000	mg/L	226157.23432798	-	-	858.89759527	0.38	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.8895755628
Mn 257.610	Mn	n	10.00000000	10.00000000	mg/L	3669472.97737253	-	-	48797.42917089	1.33	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	n	10.00000000	10.00000000	mg/L	67250.08312605	-	-	2317.93663456	3.45	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.0706352142
Na 589.592	Na-R	n	200.00000000	200.00000000	mg/L	2087593.41320882	-	-	9730.32026699	0.47	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908622094
Ni 231.604	Ni	n	10.00000000	10.00000000	mg/L	197085.02752818	-	-	2750.85337549	1.40	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964401687
P 177.434	P	n			mg/L	2.18130062	-	-	1.10707239	50.75		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.55673666674
Pb 220.353	Pb	n	10.00000000	10.00000000	mg/L	76981.68114772	-	-	899.17924436	1.17	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.3828314348
S 181.972	S	n			mg/L	152.52035988	-	-	2.29251463	1.50		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	n	30.00030000	30.00030000	mg/L	74500.64809549	-	-	888.87316924	1.19	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.2072896165
Se 196.026	Se	n	30.00000000	30.00000000	mg/L	74605.02744671	-	-	727.83653090	0.98	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.3522590871
Si 251.611	Si	n			mg/L	1508.42215489	-	-	175.76927720	11.65		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.3402869304
Sn 189.925	Sn	n	10.00000000	10.00000000	mg/L	78660.90357647	-	-	1140.55458235	1.45	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.0788893141
Sr 421.552	Sr-R	n	50.00000000	50.00000000	mg/L	22544668.30709450	-	-	41058.12825409	0.18	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	n	10.00000000	10.00000000	mg/L	3074072.32191571	-	-	62530.06095644	2.03	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	n	30.00030000	30.00030000	mg/L	71268.83389451	-	-	2544.76738092	3.57	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.9485626902
V 292.401	V	n	5.00000000	5.00000000	mg/L	161911.78003361	-	-	2512.26911761	1.55	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674702
Zn 206.200	Zn	n	30.00030000	30.00030000	mg/L	1125812.45780474	-	-	23006.59266341	2.04	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454767727
Y 371.029	Y		0.96	0.96	Ratio	495983.51	0.01	0.89	4438.81	0.89		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.95	0.95	Ratio	119003.07	0.00	0.39	458.21	0.39		-	-	-	Fitted	-	-

Instrument ID: MET09

Label: ICAL,L7,S19241 | Rack:Tube: S1:8 | Type: STD
Date Time: 10/24/2023 11:35:09 AM | Weight: - | Volume: -
Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -
LIMS ID: | Customer: | Customer Ref.:
Sample Date Time: | Sample Site: | Description:
Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Conc Repli
Ag 328.068	Ag	n	2.00000000	2.00000000	mg/L	137301.53759351	-	-	1943.18379287	1.42		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699	2.0
Al 396.152	Al	n			mg/L	1467.04343878	-	-	15.59193864	1.06	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634	
As 188.980	As	n			mg/L	7.86287216	-	-	2.03370388	25.86	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716	
B 249.678	B	n			mg/L	620.97026241	-	-	27.12065470	4.37	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898	
Ba 230.424	Ba	n			mg/L	283.32312854	-	-	18.01544104	6.36	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527	
Be 313.107	Be	n			mg/L	102.62426392	-	-	19.85723809	19.35	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872	
Ca 317.933	Ca-R	n			mg/L	1193.76140966	-	-	26.03854532	2.18	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134	
Cd 214.439	Cd	n			mg/L	30.08393280	-	-	6.26615542	20.83	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986	
Co 230.786	Co	n			mg/L	58.91763821	-	-	11.57642268	19.65	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998	
Cr 267.716	Cr	n			mg/L	86.18622209	-	-	8.98203843	10.42	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141	
Cu 324.754	Cu	n			mg/L	551.48038479	-	-	10.18681606	1.85	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431	
Fe 259.940	Fe	n			mg/L	425.66419878	-	-	77.46001139	18.20	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126	
K 766.491	K-R	n			mg/L	132.18619857	-	-	64.00027426	48.42	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826	
Li 670.783	Li-R	n			mg/L	-7.11358140	-	-	134.87168355	> 100.00	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493	
Mg 279.800	Mg-R	n			mg/L	78.60671756	-	-	9.02636330	11.48	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281	
Mn 257.610	Mn	n			mg/L	531.76407141	-	-	22.93950356	4.31	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225	
Mo 204.598	Mo	n			mg/L	390.05903996	-	-	126.74873626	32.49	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423	
Na 589.592	Na-R	n			mg/L	855.94053599	-	-	72.12446134	8.43	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945	
Ni 231.604	Ni	n			mg/L	90.41147108	-	-	15.27376579	16.89	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876	
P 177.434	P	n			mg/L	2.11768032	-	-	1.82503175	86.18		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741	
Pb 220.353	Pb	n			mg/L	-16.57506957	-	-	10.77416033	65.00	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482	
S 181.972	S	n			mg/L	85.12619997	-	-	6.10590581	7.17		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325	
Sb 206.834	Sb	n			mg/L	-16.65993010	-	-	6.80896093	40.87	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654	
Se 196.026	Se	n			mg/L	80.74050246	-	-	1.41632398	1.75	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715	
Si 251.611	Si	n			mg/L	121.27619829	-	-	20.69030236	17.06		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041	
Sn 189.925	Sn	n			mg/L	43.26894394	-	-	13.85001102	32.01	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416	
Sr 421.552	Sr-R	n			mg/L	34.88732184	-	-	15.49837875	44.42	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738	
Ti 334.941	Ti	n			mg/L	1494.80444522	-	-	336.19123880	22.49	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327	
Tl 190.794	Tl	n			mg/L	12.88765278	-	-	9.03095411	70.07	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028	
V 292.401	V	n			mg/L	0.37615281	-	-	15.68558940	> 100.00	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028	
Zn 206.200	Zn	n			mg/L	61.64360216	-	-	4.23944146	6.88	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271	
Y 371.029	Y		0.99	0.99	Ratio	514861.37	0.01	0.52	2701.16	0.52		-	-	-	Fitted	-	-	0.9
Y 371.029	Y-R		0.99	0.99	Ratio	123983.21	0.01	0.94	1162.65	0.94		-	-	-	Fitted	-	-	0.9

Instrument ID: MET09

Label:	ICAL,L8,S18727	**Rack:Tube:**	S1:9	**Type:**	STD
Date Time:	10/24/2023 11:38:16 AM	**Weight:**	-	**Volume:**	-
Dilution:	-	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3	**Flags Replicate 1:**		**Flags Replicate 2:**	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Con Rep
Ag 328.068	Ag	n			mg/L	554.96677805	-	-	26.47105880	4.77		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699	
Al 396.152	Al	n			mg/L	1463.05626855	-	-	21.72953269	1.49	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634	
As 188.980	As	n			mg/L	9.80301737	-	-	4.31314309	44.00	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716	
B 249.678	B	n			mg/L	592.97344020	-	-	15.61686255	2.63	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898	
Ba 230.424	Ba	n			mg/L	233.31612942	-	-	9.33665957	4.00	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527	
Be 313.107	Be	n			mg/L	69.36722574	-	-	19.76806109	28.50	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872	
Ca 317.933	Ca-R	n			mg/L	1182.25086283	-	-	21.38886223	1.81	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134	
Cd 214.439	Cd	n			mg/L	26.14722962	-	-	5.45122614	20.85	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986	
Co 230.786	Co	n			mg/L	57.60826728	-	-	19.16067117	33.26	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998	
Cr 267.716	Cr	n			mg/L	60.98816875	-	-	10.98532108	18.01	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141	
Cu 324.754	Cu	n			mg/L	557.85163958	-	-	21.49161097	3.85	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431	
Fe 259.940	Fe	n			mg/L	309.40305672	-	-	34.68962569	11.21	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126	
K 766.491	K-R	n			mg/L	116.38208297	-	-	35.30330839	30.33	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826	
Li 670.783	Li-R	n			mg/L	-19.58462109	-	-	32.50782309	> 100.00	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493	
Mg 279.800	Mg-R	n			mg/L	85.92816993	-	-	7.12124231	8.29	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281	
Mn 257.610	Mn	n			mg/L	484.72790238	-	-	17.46001707	3.60	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225	
Mo 204.598	Mo	n			mg/L	67.90712178	-	-	34.18058079	50.33	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423	
Na 589.592	Na-R	n			mg/L	847.25690066	-	-	68.90294300	8.13	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945	
Ni 231.604	Ni	n			mg/L	94.92158572	-	-	5.56882551	5.87	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876	
P 177.434	P	n	10.00000000	10.00000000	mg/L	4708.21305129	-	-	59.92550171	1.27		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741	10.
Pb 220.353	Pb	n			mg/L	-25.14540582	-	-	5.62369816	22.36	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482	
S 181.972	S	n	10.00000000	10.00000000	mg/L	12357.09204641	-	-	74.48072781	0.60		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325	10.
Sb 206.834	Sb	n			mg/L	-34.57786834	-	-	3.93034522	11.37	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654	
Se 196.026	Se	n			mg/L	68.31187648	-	-	3.51286202	5.14	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715	
Si 251.611	Si	n	10.00000000	10.00000000	mg/L	75622.94095860	-	-	820.78743535	1.09		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041	10.
Sn 189.925	Sn	n			mg/L	31.10046601	-	-	3.53474415	11.37	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416	
Sr 421.552	Sr-R	n			mg/L	16.85055634	-	-	22.85736134	> 100.00	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738	
Ti 334.941	Ti	n			mg/L	1616.52163419	-	-	266.28670551	16.47	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327	
Tl 190.794	Tl	n			mg/L	6.58023419	-	-	4.50560637	68.47	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028	
V 292.401	V	n			mg/L	-0.36153802	-	-	7.97007186	> 100.00	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028	
Zn 206.200	Zn	n			mg/L	44.07807964	-	-	7.45333010	16.91	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271	
Y 371.029	Y		1.00	1.00	Ratio	521036.68	0.01	0.84	4389.21	0.84		-	-	-	Fitted	-	-	0.9
Y 371.029	Y-R		1.01	1.01	Ratio	126405.52	0.01	0.64	813.22	0.64		-	-	-	Fitted	-	-	1.0

Instrument ID: MET09

Label: ICV,S19239 | **Rack:Tube:** S1:12 | **Type:** QC

Date Time: 10/24/2023 11:41:23 AM | **Weight:** - | **Volume:** -

Dilution: - | **%RSE limit:** - | **Calibration Coefficient [3]:** -

LIMS ID: | **Customer:** | **Customer Ref.:**

Sample Date Time: | **Sample Site:** | **Description:**

Replicates: 3 | **Flags Replicate 1:** | **Flags Replicate 2:**

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.48569138	0.48569138	mg/L	33745.72723036	0.00556956	1.14672798	380.87973402	1.13		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.976925069
Al 396.152	Al	n	1.07301620	1.07301620	mg/L	34840.83923539	0.01669183	1.55559884	521.15495537	1.50	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	1.04985329	1.04985329	mg/L	4005.92502317	0.01276917	1.21628108	48.66634062	1.21	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.2385039071
B 249.678	B	n	1.04208320	1.04208320	mg/L	36750.28140682	0.00851782	0.81738427	296.70299889	0.81	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.191511989
Ba 230.424	Ba	n	1.08403132	1.08403132	mg/L	89849.62908586	0.00677370	0.62486213	560.03996373	0.62	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.575593052
Be 313.107	Be	n	1.08580169	1.08580169	mg/L	2235314.16081597	0.01724056	1.58781841	35492.00778354	1.59	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.3735687
Ca 317.933	Ca-R	n	52.76567013	52.76567013	mg/L	702723.18424533	0.30688721	0.58160392	4080.02456994	0.58	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832913
Cd 214.439	Cd	n	1.02279032	1.02279032	mg/L	160160.83782455	0.00655298	0.64069617	1026.04289538	0.64	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.57274298
Co 230.786	Co	n	1.01925474	1.01925474	mg/L	36054.78516696	0.00768436	0.75391990	271.45305054	0.75	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.374911099
Cr 267.716	Cr	n	1.00396593	1.00396593	mg/L	57960.87041369	0.01165675	1.16106996	672.25600300	1.16	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.979167614
Cu 324.754	Cu	n	1.01844567	1.01844567	mg/L	35676.20970174	0.00968477	0.95093593	334.45197860	0.94	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017943
Fe 259.940	Fe	n	1.03107504	1.03107504	mg/L	55643.21070143	0.01442957	1.39946859	774.81304911	1.39	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193144512
K 766.491	K-R	n	60.95895404	60.95895404	mg/L	86341.35173460	0.24716588	0.40546280	349.72774442	0.41	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n	1.02443688	1.02443688	mg/L	107252.98770272	0.00445524	0.43489601	466.24908601	0.43	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	n	52.27643924	52.27643924	mg/L	117718.19402653	0.25813103	0.49378081	580.76630422	0.49	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.8895755628
Mn 257.610	Mn	n	1.02924896	1.02924896	mg/L	384964.84185669	0.01234805	1.19971496	4611.26970375	1.20	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	n	1.01620378	1.01620378	mg/L	6878.77336963	0.02121160	2.08733704	143.37068851	2.08	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.070635214
Na 589.592	Na-R	n	51.49603767	51.49603767	mg/L	529575.96046134	0.27596329	0.53589228	2833.01389989	0.53	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908622094
Ni 231.604	Ni	n	1.01035259	1.01035259	mg/L	20241.31166764	0.01095757	1.08452930	218.55929839	1.08	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964401687
P 177.434	P	n	5.38060160	5.38060160	mg/L	2535.17802399	0.06738553	1.25237908	31.70871443	1.25		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.55673666674
Pb 220.353	Pb	n	1.02578302	1.02578302	mg/L	7975.73321753	0.00775088	0.75560610	60.43657119	0.76	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.3828314348
S 181.972	S	n	5.41770673	5.41770673	mg/L	6732.20575310	0.03308323	0.61065016	40.60384806	0.60		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	n	1.01734790	1.01734790	mg/L	2434.43165098	0.01908275	1.87573492	46.41320331	1.91	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.207289616
Se 196.026	Se	n	1.02921136	1.02921136	mg/L	2614.82101612	0.01648001	1.60122702	40.81031118	1.56	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.352590871
Si 251.611	Si	n	5.49810952	5.49810952	mg/L	41639.09593217	0.18655089	3.39300070	1407.21687831	3.38		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.340286930
Sn 189.925	Sn	n	5.16117899	5.16117899	mg/L	40448.27982112	0.04856184	0.94090595	380.34016508	0.94	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.078889314
Sr 421.552	Sr-R	n	1.04282220	1.04282220	mg/L	473648.74211342	0.00600438	0.57578151	2725.81986945	0.58	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	n	1.05108022	1.05108022	mg/L	314866.54709680	0.01526257	1.45208383	4566.24721604	1.45	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	n	1.04885048	1.04885048	mg/L	2392.74202310	0.03165072	3.01765813	71.97211319	3.01	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.948562690
V 292.401	V	n	1.02832806	1.02832806	mg/L	32922.79547670	0.01441572	1.40185956	461.67885649	1.40	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674702
Zn 206.200	Zn	n	1.01905111	1.01905111	mg/L	40689.42638296	0.01003762	0.98499669	400.38513934	0.98	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454767727
Y 371.029	Y		0.96	0.96	Ratio	497179.57	0.01	0.55	2758.64	0.55		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	121746.09	0.01	0.74	903.41	0.74		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353014	File:	icp data	Time:	24-OCT-2023 11:53
Cal:	673428353002	Caldate:	24-OCT-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	518823	514259	-0.88
Yttrium	R	125677	125556	-0.10

Instrument ID: MET09

Label:	ICB	Rack:Tube:	S1:1	Type:	QC
Date Time:	10/24/2023 11:53:52 AM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00027319	0.00027319	mg/L	548.26681626	0.00009561	34.99915505	6.53860526	1.19		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699
Al 396.152	Al	n	0.00264163	0.00264163	mg/L	1358.14326793	0.00189156	71.60556780	59.05852262	4.35	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	nu	0.00116279	0.00116279	mg/L	8.52701763	0.00209064	179.79467822	7.96793190	93.44	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716
B 249.678	B	n	0.00165178	0.00165178	mg/L	517.70605655	0.00024597	14.89097218	8.56776499	1.65	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898
Ba 230.424	Ba	n	0.00031536	0.00031536	mg/L	245.82073171	0.00008687	27.54734424	7.18254190	2.92	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527
Be 313.107	Be	n	0.00001771	0.00001771	mg/L	79.48334301	0.00000522	29.50535421	10.75582023	13.53	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872
Ca 317.933	Ca-R	nu	0.00025579	0.00025579	mg/L	1180.33829517	0.00150505	588.39366476	20.00944093	1.70	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134
Cd 214.439	Cd	nu	-0.00001337	-0.00001337	mg/L	11.24899497	0.00003267	244.35444038	5.11554073	45.48	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986
Co 230.786	Co	nu	0.00045348	0.00045348	mg/L	65.08220196	0.00059002	130.10934196	20.84266660	32.03	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998
Cr 267.716	Cr	n	0.00024011	0.00024011	mg/L	67.98053540	0.00014161	58.97844556	8.16706838	12.01	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141
Cu 324.754	Cu	n	0.00173622	0.00173622	mg/L	559.04957323	0.00022727	13.09006082	7.84857211	1.40	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431
Fe 259.940	Fe	nu	-0.00113881	-0.00113881	mg/L	118.63078808	0.00024680	21.67140411	13.25204034	11.17	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126
K 766.491	K-R	n	0.03766884	0.03766884	mg/L	160.36143155	0.01263142	33.53280917	17.87284754	11.15	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	nu	-0.00058195	-0.00058195	mg/L	-52.83915699	0.00064011	109.99529469	66.98925594	> 100.00	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	nu	-0.00895202	-0.00895202	mg/L	79.41639039	0.00357305	39.91335718	8.03897613	10.12	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281
Mn 257.610	Mn	nu	-0.00034908	-0.00034908	mg/L	425.38617875	0.00003111	8.91293692	11.61894067	2.73	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	n	0.00112223	0.00112223	mg/L	17.95697607	0.00067228	59.90541201	4.54398206	25.30	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423
Na 589.592	Na-R	nu	-0.01599103	-0.01599103	mg/L	792.76778672	0.00703944	44.02118461	72.26623477	9.12	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945
Ni 231.604	Ni	nu	-0.00018148	-0.00018148	mg/L	82.55033445	0.00061922	341.21403740	12.35101948	14.96	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876
P 177.434	P	nu	0.00424340	0.00424340	mg/L	4.64225545	0.00699644	164.87833321	3.29222255	70.92		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741
Pb 220.353	Pb	nu	0.00070416	0.00070416	mg/L	-14.69060209	0.00159299	226.22466532	12.42115170	84.55	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482
S 181.972	S	nu	-0.00038002	-0.00038002	mg/L	83.38613146	0.00408954	1076.14222629	5.01919269	6.02		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	nu	0.00054417	0.00054417	mg/L	-38.01613439	0.00381948	701.89526035	9.28976481	24.44	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654
Se 196.026	Se	nu	0.00075072	0.00075072	mg/L	67.28840838	0.00122434	163.08852292	3.03188880	4.51	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715
Si 251.611	Si	nu	-0.00504134	-0.00504134	mg/L	151.50970892	0.00102598	20.35138015	7.73933197	5.11		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041
Sn 189.925	Sn	nu	0.00001943	0.00001943	mg/L	23.60548951	0.00073687	3791.47346294	5.77118955	24.45	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416
Sr 421.552	Sr-R	nu	0.00002542	0.00002542	mg/L	23.62174173	0.00004337	170.60488673	19.68787398	83.35	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	n	0.00017498	0.00017498	mg/L	458.48984479	0.00005435	31.05876691	16.25928014	3.55	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	n	0.00057048	0.00057048	mg/L	8.51466759	0.00035457	62.15302015	0.80628094	9.47	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028
V 292.401	V	nu	0.00031766	0.00031766	mg/L	10.59357394	0.00058389	183.81353319	18.69981861	> 100.00	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028
Zn 206.200	Zn	n	0.00034474	0.00034474	mg/L	35.35825038	0.00017219	49.94950718	6.86854559	19.43	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271
Y 371.029	Y		0.99	0.99	Ratio	514259.09	0.01	0.83	4265.78	0.83		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	125556.32	0.01	0.77	967.90	0.77		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353015	File:	icp data	Time:	24-OCT-2023 11:57
Cal:	673428353002	Caldate:	24-OCT-2023		

Standards: S19107

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.006729	0.003333	mg/L	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	401.8	mg/L	100	
Aluminum as Al2O3	A	755.8	759.2	mg/L	100	
Iron as Fe2O3	A	228.8	215.3	mg/L	94	
Calcium	R	400.0	400.3	mg/L	100	
Calcium as CaCO3	R	998.9	999.6	mg/L	100	
Magnesium	R	400.0	410.5	mg/L	103	
Magnesium as MgCO3	R	1388	1424	mg/L	103	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	470181	-9.38
Yttrium	R	125677	117276	-6.68

+=high bias a=ICSA

Instrument ID: MET09

Label: ICSA,S19107 | **Rack:Tube:** S1:14 | **Type:** QC
Date Time: 10/24/2023 11:57:15 AM | **Weight:** - | **Volume:** -
Dilution: - | **%RSE limit:** - | **Calibration Coefficient [3]:** -
LIMS ID: | **Customer:** | **Customer Ref.:**
Sample Date Time: | **Sample Site:** | **Description:**
Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coe
Ag 328.068	Ag	nu	-0.00111457	-0.00111457	mg/L	517.46162905	0.00008457	7.58743047	5.78319608	1.12		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.976
Al 396.152	Al	no	401.80857624	401.80857624	mg/L	12547157.10861880	4.52558754	1.12630437	141298.63022263	1.13	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.162
As 188.980	As	nu	-0.00071411	-0.00071411	mg/L	27.19229467	0.00076712	107.42299518	2.92368248	10.75	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.2385
B 249.678	B	nK	0.00630712	0.00630712	mg/L	504.93407213	0.00049204	7.80140077	17.13945855	3.39	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.191
Ba 230.424	Ba	nK	0.00340455	0.00340455	mg/L	583.95255725	0.00023093	6.78283615	19.09257811	3.27	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.575
Be 313.107	Be	nu	-0.00000510	-0.00000510	mg/L	71.84227374	0.00000988	193.80552166	20.34920895	28.32	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.3
Ca 317.933	Ca-R	no	400.28704695	400.28704695	mg/L	5323284.99547580	2.87372351	0.71791569	38205.77139484	0.72	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866
Cd 214.439	Cd	n	0.00091123	0.00091123	mg/L	479.23105710	0.00007739	8.49285847	12.11742294	2.53	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.57
Co 230.786	Co	nu	-0.00008636	-0.00008636	mg/L	57.07736730	0.00029282	339.06339935	10.34414088	18.12	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.374
Cr 267.716	Cr	nu	-0.00004269	-0.00004269	mg/L	126.16794966	0.00012863	301.29771363	7.41837956	5.88	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.979
Cu 324.754	Cu	nu	-0.00005410	-0.00005410	mg/L	555.70352864	0.00107165	1980.80798455	37.00808591	6.66	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822
Fe 259.940	Fe	no	150.60969444	150.60969444	mg/L	8088222.96382687	2.97876193	1.97780225	159948.17596499	1.98	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193
K 766.491	K-R	n	0.23770822	0.23770822	mg/L	83.05853676	0.00928989	3.90810789	13.14474948	15.83	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515
Li 670.783	Li-R	nu	-0.00124958	-0.00124958	mg/L	178.14288920	0.00019806	15.85042039	20.72769621	11.64	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.96
Mg 279.800	Mg-R	no	410.47576385	410.47576385	mg/L	923803.39832060	3.13412267	0.76353416	7051.42993436	0.76	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.8895
Mn 257.610	Mn	n	0.00025444	0.00025444	mg/L	1136.57045140	0.00014813	58.21910502	55.31809849	4.87	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.01
Mo 204.598	Mo	n	0.00197894	0.00197894	mg/L	39.56299912	0.00082091	41.48256442	5.54862036	14.02	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.0706
Na 589.592	Na-R	n	0.21545366	0.21545366	mg/L	1744.42626577	0.00900569	4.17987148	92.45155021	5.30	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908
Ni 231.604	Ni	nu	-0.00066314	-0.00066314	mg/L	119.16899057	0.00035851	54.06320251	7.15091826	6.00	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964
P 177.434	P	nu	-0.00407343	-0.00407343	mg/L	3.31965782	0.00151979	37.30986792	0.71514776	21.54		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.55673
Pb 220.353	Pb	nK	0.00672859	0.00672859	mg/L	-749.47166000	0.00174047	25.86671050	13.57107365	1.81	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.3828
S 181.972	S	n	0.11898269	0.11898269	mg/L	231.84136311	0.00359093	3.01802390	4.40722958	1.90		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240
Sb 206.834	Sb	nK	0.01373903	0.01373903	mg/L	-22.25989035	0.00474745	34.55446052	11.54677471	51.87	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.2072
Se 196.026	Se	nK	0.02337557	0.02337557	mg/L	107.90186814	0.00028845	1.23396366	0.71429398	0.66	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.3522
Si 251.611	Si	n	0.04599975	0.04599975	mg/L	121.11916516	0.00165994	3.60858738	12.52150162	10.34		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.3402
Sn 189.925	Sn	nu	-0.00309426	-0.00309426	mg/L	34.18774084	0.00088571	28.62419544	6.93692486	20.29	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.0788
Sr 421.552	Sr-R	nu	-0.00050125	-0.00050125	mg/L	1501.38968724	0.00143198	285.68044832	650.07766775	43.30	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.10
Ti 334.941	Ti	n	0.00043052	0.00043052	mg/L	461.67323249	0.00019440	45.15433133	58.15981062	12.60	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52
Tl 190.794	Tl	nu	-0.00410535	-0.00410535	mg/L	10.89467062	0.00041592	10.13114932	0.94577848	8.68	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.9485
V 292.401	V	n	0.00087529	0.00087529	mg/L	-248.61310053	0.00025946	29.64254838	8.30947517	3.34	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080
Zn 206.200	Zn	nKu	-0.03763500	-0.03763500	mg/L	75.98548788	0.00012720	0.33797407	5.07367319	6.68	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454
Y 371.029	Y		0.91	0.91	Ratio	470181.31	0.01	0.88	4159.84	0.88		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	117275.90	0.01	1.00	1170.12	1.00		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353016	File:	icp data	Time:	24-OCT-2023 12:00
Cal:	673428353002	Caldate:	24-OCT-2023		

Standards: S19108

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.029	mg/L	3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	475489	-8.35
Yttrium	R	125677	118730	-5.53

Instrument ID: MET09

Label:	ICSAB,S19108	Rack:Tube:	S1:15	Type:	QC
Date Time:	10/24/2023 12:00:22 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 Coeffi
Ag 328.068	Ag	n	1.05905021	1.05905021	mg/L	73017.24204530	0.00615080	0.58078455	420.62846995	0.58		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769
Al 396.152	Al	no	398.81583786	398.81583786	mg/L	12453713.02009920	4.31807432	1.08272388	134819.61857065	1.08	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.1626
As 188.980	As	nu	0.00090301	0.00090301	mg/L	33.06450036	0.00192798	213.50631053	7.34797868	22.22	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850
B 249.678	B	n	0.00617626	0.00617626	mg/L	502.13294520	0.00065491	10.60371698	22.81271379	4.54	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915
Ba 230.424	Ba	n	0.54851485	0.54851485	mg/L	45652.03474846	0.00245234	0.44708800	202.75631242	0.44	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755
Be 313.107	Be	n	0.55152196	0.55152196	mg/L	1135464.01731987	0.00623425	1.13037114	12834.03129586	1.13	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37
Ca 317.933	Ca-R	no	395.13951578	395.13951578	mg/L	5254845.78452361	1.75243942	0.44349890	23298.44872628	0.44	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668
Cd 214.439	Cd	n	1.00474926	1.00474926	mg/L	157653.00373301	0.00447535	0.44541914	700.73425558	0.44	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572
Co 230.786	Co	n	0.49524797	0.49524797	mg/L	17554.82836084	0.00474181	0.95746162	167.50618974	0.95	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749
Cr 267.716	Cr	n	0.50457896	0.50457896	mg/L	29227.53314772	0.00508997	1.00875615	293.54363106	1.00	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791
Cu 324.754	Cu	n	0.55312191	0.55312191	mg/L	19658.48525805	0.00490792	0.88731178	169.48909244	0.86	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220
Fe 259.940	Fe	no	149.40333801	149.40333801	mg/L	8023437.81643103	1.76517985	1.18148622	94783.43814027	1.18	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931
K 766.491	K-R	n	0.25746387	0.25746387	mg/L	114.68416469	0.02163498	8.40311171	30.61244339	26.69	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.95153
Li 670.783	Li-R	nu	-0.00130001	-0.00130001	mg/L	170.40976815	0.00013316	10.24334258	13.93594440	8.18	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960
Mg 279.800	Mg-R	no	406.13586674	406.13586674	mg/L	914037.08900658	1.69111139	0.41639056	3804.81388755	0.42	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957
Mn 257.610	Mn	n	0.51273500	0.51273500	mg/L	192513.18311165	0.00374074	0.72956613	1396.94606871	0.73	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010
Mo 204.598	Mo	n	0.00490277	0.00490277	mg/L	59.14245689	0.00069624	14.20097050	4.70593910	7.96	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063
Na 589.592	Na-R	n	0.47722389	0.47722389	mg/L	4446.85586591	0.02028945	4.25155703	208.28959554	4.68	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086
Ni 231.604	Ni	n	0.98512888	0.98512888	mg/L	19781.27597609	0.00754191	0.76557593	150.43065875	0.76	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644
P 177.434	P	n	0.00233362	0.00233362	mg/L	6.32774628	0.00116063	49.73495121	0.54614040	8.63		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736
Pb 220.353	Pb	n	1.02949385	1.02949385	mg/L	7234.11514420	0.00823554	0.79996026	64.21567125	0.89	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283
S 181.972	S	n	0.11750294	0.11750294	mg/L	230.02031859	0.00355334	3.02404662	4.36110399	1.90		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.32400
Sb 206.834	Sb	n	0.01122705	0.01122705	mg/L	-28.21541965	0.00225729	20.10583391	5.49020162	19.46	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728
Se 196.026	Se	n	0.02446589	0.02446589	mg/L	110.80028511	0.00419299	17.13811419	10.38332491	9.37	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225
Si 251.611	Si	n	0.04739487	0.04739487	mg/L	135.71664512	0.00133505	2.81685649	10.07070134	7.42		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028
Sn 189.925	Sn	nu	-0.00390378	-0.00390378	mg/L	27.49297481	0.00130357	33.39260295	10.20968882	37.14	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888
Sr 421.552	Sr-R	nu	-0.00129402	-0.00129402	mg/L	1129.99955642	0.00004472	3.45551024	20.29938905	1.80	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109
Ti 334.941	Ti	n	0.00056827	0.00056827	mg/L	503.59573366	0.00012650	22.26038333	37.84617642	7.52	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.524
Tl 190.794	Tl	nu	-0.00657937	-0.00657937	mg/L	5.13681355	0.00055575	8.44679225	1.26373668	24.60	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856
V 292.401	V	n	0.52814409	0.52814409	mg/L	16640.61979690	0.00475771	0.90083491	152.37068693	0.92	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806
Zn 206.200	Zn	n	0.96135159	0.96135159	mg/L	39906.20805829	0.00541171	0.56292729	215.86476908	0.54	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547
Y 371.029	Y		0.92	0.92	Ratio	475488.58	0.01	0.96	4541.44	0.96		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	118729.65	0.00	0.26	304.53	0.26		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353074	File:	icp data	Time:	24-OCT-2023 15:11
Cal:	673428353001	Caldate:	24-OCT-2023		

Standards: S19239

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	6442.5	8387.9	1.000	1.079	mg/L	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	473124	-8.81
Yttrium	R	125677	121492	-3.33

Instrument ID: MET09

Label:	CCV,S19239	Rack:Tube:	S1:12	Type:	QC
Date Time:	10/24/2023 3:11:13 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3	Flags Replicate 1:		Flags Replicate 2:	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.51162895	0.51162895	mg/L	35519.55753676	0.00308424	0.60282729	210.91869328	0.59		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.976925069
Al 396.152	Al	nQ	1.12831206	1.12831206	mg/L	36569.19914281	0.00946449	0.83881815	295.50173271	0.81	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	nQ	1.11230942	1.11230942	mg/L	4243.97652527	0.00784034	0.70487031	29.88140123	0.70	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.2385039071
B 249.678	B	n	1.08401624	1.08401624	mg/L	38210.66937822	0.00614236	0.56663003	213.95805640	0.56	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.191511989
Ba 230.424	Ba	nQ	1.14155961	1.14155961	mg/L	94606.08971800	0.01681588	1.47306183	1390.31291635	1.47	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.575593052
Be 313.107	Be	nQ	1.14802087	1.14802087	mg/L	2363400.76656613	0.00580838	0.50594712	11957.32765332	0.51	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.3735687
Ca 317.933	Ca-R	n	54.17306870	54.17306870	mg/L	721435.19309301	0.07162871	0.13222198	952.29410817	0.13	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832913
Cd 214.439	Cd	n	1.07980257	1.07980257	mg/L	169087.71109625	0.01272357	1.17832419	1992.21374001	1.18	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.57274298
Co 230.786	Co	n	1.07822524	1.07822524	mg/L	38137.94670407	0.01381917	1.28165870	488.16727539	1.28	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.374911099
Cr 267.716	Cr	n	1.04954432	1.04954432	mg/L	60589.62369424	0.00851386	0.81119616	491.00282776	0.81	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.979167614
Cu 324.754	Cu	n	1.07165168	1.07165168	mg/L	37513.78941320	0.00719726	0.67160448	248.54891979	0.66	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017943
Fe 259.940	Fe	n	1.08102081	1.08102081	mg/L	58327.58376930	0.01089628	1.00796164	585.08849064	1.00	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193144512
K 766.491	K-R	n	62.53509127	62.53509127	mg/L	88570.96139656	0.16428534	0.26270904	232.45578742	0.26	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n	1.05305826	1.05305826	mg/L	110249.31089462	0.00276011	0.26210374	288.85040728	0.26	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.96043349
Mg 279.800	Mg-R	n	53.52930456	53.52930456	mg/L	120537.08606812	0.09268143	0.17314147	208.52297374	0.17	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.8895755628
Mn 257.610	Mn	n	1.06978924	1.06978924	mg/L	400105.48888304	0.00841938	0.78701254	3144.14006769	0.79	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	n	1.07416739	1.07416739	mg/L	7270.54869258	0.01179629	1.09817967	79.73194352	1.10	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.0706352142
Na 589.592	Na-R	n	52.90733819	52.90733819	mg/L	544063.13850398	0.11615163	0.21953784	1192.40198090	0.22	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908622094
Ni 231.604	Ni	n	1.05744277	1.05744277	mg/L	21180.64716631	0.00638922	0.60421451	127.43920844	0.60	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964401687
P 177.434	P	nQ	6.24863704	6.24863704	mg/L	2943.65855408	0.01971611	0.31552657	9.27754836	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.55673666674
Pb 220.353	Pb	n	1.07865409	1.07865409	mg/L	8387.90897660	0.00491797	0.45593613	38.34732430	0.46	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.3828314348
S 181.972	S	nQ	5.80424085	5.80424085	mg/L	7206.59000214	0.01630236	0.28086985	20.00828099	0.28		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	n	1.07205540	1.07205540	mg/L	2567.47379165	0.01188477	1.10859639	28.90621782	1.13	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.2072896165
Se 196.026	Se	n	1.09543997	1.09543997	mg/L	2778.84057400	0.00698363	0.63751847	17.29393314	0.62	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.3522590871
Si 251.611	Si	nQ	5.72754966	5.72754966	mg/L	43369.11158614	0.16673424	2.91109195	1257.73308893	2.90		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.3402869304
Sn 189.925	Sn	n	5.43686790	5.43686790	mg/L	42607.55438321	0.06202294	1.14078437	485.76855264	1.14	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.0788893141
Sr 421.552	Sr-R	n	1.08576055	1.08576055	mg/L	493148.67063276	0.00325626	0.29990621	1478.25273797	0.30	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	nQ	1.10872139	1.10872139	mg/L	332111.53993497	0.01248785	1.12632939	3736.11049854	1.12	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	nQ	1.11582218	1.11582218	mg/L	2545.04699813	0.02732177	2.44857755	62.12830247	2.44	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.9485626902
V 292.401	V	n	1.08265593	1.08265593	mg/L	34662.35592008	0.00949528	0.87703545	304.09648516	0.88	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674702
Zn 206.200	Zn	n	1.08726130	1.08726130	mg/L	43410.85618997	0.00916349	0.84280505	365.51758496	0.84	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454767727
Y 371.029	Y		0.91	0.91	Ratio	473123.74	0.00	0.36	1684.66	0.36		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	121491.67	0.00	0.42	512.35	0.42		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353075	File:	icp data	Time:	24-OCT-2023 15:14
Cal:	673428353001	Caldate:	24-OCT-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	518823	486753	-6.18
Yttrium	R	125677	124833	-0.67

Instrument ID: MET09

Label: CCB | Rack:Tube: S1:1 | Type: QC

Date Time: 10/24/2023 3:14:21 PM | Weight: - | Volume: -

Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -

LIMS ID: | Customer: | Customer Ref.:

Sample Date Time: | Sample Site: | Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00097812	0.00097812	mg/L	596.47397252	0.00033513	34.26294655	22.91834427	3.84		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699
Al 396.152	Al	nZ	0.00474201	0.00474201	mg/L	1423.72042442	0.00034349	7.24350198	10.72441604	0.75	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	0.00135428	0.00135428	mg/L	9.25709978	0.00089473	66.06694772	3.41003262	36.84	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716
B 249.678	B	n	0.00174696	0.00174696	mg/L	521.02039154	0.00055474	31.75467592	19.32346388	3.71	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898
Ba 230.424	Ba	n	0.00060004	0.00060004	mg/L	269.35785866	0.00021253	35.41893651	17.57156587	6.52	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527
Be 313.107	Be	n	0.00001512	0.00001512	mg/L	74.15889011	0.00000361	23.86860147	7.43006812	10.02	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872
Ca 317.933	Ca-R	nu	-0.00132730	-0.00132730	mg/L	1159.28890410	0.00102041	76.87850138	13.56621233	1.17	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134
Cd 214.439	Cd	n	0.00005558	0.00005558	mg/L	22.05134984	0.00002281	41.03519815	3.57130311	16.20	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986
Co 230.786	Co	n	0.00086799	0.00086799	mg/L	79.72511064	0.00027116	31.23938717	9.57865497	12.01	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998
Cr 267.716	Cr	n	0.00010685	0.00010685	mg/L	60.29480485	0.00009394	87.91459674	5.41736132	8.98	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141
Cu 324.754	Cu	n	0.00324354	0.00324354	mg/L	611.10215749	0.00030956	9.54396641	10.69038206	1.75	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431
Fe 259.940	Fe	n	0.00116906	0.00116906	mg/L	242.54501556	0.00087558	74.89566098	47.01516640	19.38	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126
K 766.491	K-R	nu	-0.01957315	-0.01957315	mg/L	79.36675597	0.03610269	184.45009852	51.08355188	64.36	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	nu	0.00056349	0.00056349	mg/L	67.03276322	0.00081722	145.02909164	85.52417311	> 100.00	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	nu	-0.00868660	-0.00868660	mg/L	80.01638735	0.00064679	7.44587952	1.45521392	1.82	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281
Mn 257.610	Mn	nu	-0.00034374	-0.00034374	mg/L	427.38227376	0.00001119	3.25559365	4.17908556	0.98	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	nZ	0.00560472	0.00560472	mg/L	48.25439290	0.00071397	12.73866406	4.82574801	10.00	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423
Na 589.592	Na-R	n	0.01536130	0.01536130	mg/L	1114.62419787	0.01144324	74.49396069	117.47528580	10.54	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945
Ni 231.604	Ni	nu	0.00003679	0.00003679	mg/L	86.90402272	0.00009310	253.03443065	1.85687479	2.14	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876
P 177.434	P	nu	-0.00092005	-0.00092005	mg/L	2.21256594	0.00399241	433.93441657	1.87865704	84.91		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741
Pb 220.353	Pb	nu	-0.00073708	-0.00073708	mg/L	-25.92400304	0.00069027	93.64920731	5.38227108	20.76	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482
S 181.972	S	n	0.00348356	0.00348356	mg/L	88.12759620	0.00542392	155.70050148	6.65691203	7.55		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	nu	0.00005568	0.00005568	mg/L	-39.20367671	0.00186074	3341.56632163	4.52569897	11.54	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654
Se 196.026	Se	n	0.00487929	0.00487929	mg/L	77.51140438	0.00336020	68.86672169	8.32104878	10.74	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715
Si 251.611	Si	nu	-0.00718674	-0.00718674	mg/L	135.32493720	0.00143827	20.01283255	10.84936446	8.02		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041
Sn 189.925	Sn	n	0.00162871	0.00162871	mg/L	36.20952873	0.00090552	55.59724652	7.09210798	19.59	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416
Sr 421.552	Sr-R	n	0.00001375	0.00001375	mg/L	18.32273815	0.00002037	148.09552211	9.24645784	50.46	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	n	0.00068159	0.00068159	mg/L	610.05776400	0.00026450	38.80582794	79.13211797	12.97	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	nu	0.00077348	0.00077348	mg/L	8.97620338	0.00141257	182.62582656	3.21210224	35.78	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028
V 292.401	V	nu	0.00000402	0.00000402	mg/L	0.54543374	0.00024899	6197.34297605	7.97425218	> 100.00	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028
Zn 206.200	Zn	n	0.00396926	0.00396926	mg/L	179.95975511	0.00027805	7.00500692	11.09085388	6.16	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271
Y 371.029	Y		0.94	0.94	Ratio	486753.07	0.01	0.94	4583.04	0.94		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	124833.48	0.01	1.45	1809.33	1.45		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353083	File:	icp data	Time:	24-OCT-2023 15:39
Cal:	673428353001	Caldate:	24-OCT-2023		

Standards: S19239

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	6442.5	8358.8	1.000	1.075	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	477125	-8.04
Yttrium	R	125677	120995	-3.73

Instrument ID: MET09

Label: CCV,S19239 | Rack:Tube: S1:12 | Type: QC
Date Time: 10/24/2023 3:39:17 PM | Weight: - | Volume: -
Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -
LIMS ID: | Customer: | Customer Ref.:
Sample Date Time: | Sample Site: | Description:
Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.50996743	0.50996743	mg/L	35405.91690642	0.00187958	0.36856953	128.53722551	0.36		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.976925069
Al 396.152	Al	nQ	1.12380031	1.12380031	mg/L	36427.72886266	0.00911253	0.81086756	284.51296181	0.78	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	nQ	1.10933566	1.10933566	mg/L	4232.63533082	0.00215619	0.19436747	8.21774535	0.19	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.2385039071
B 249.678	B	n	1.08287090	1.08287090	mg/L	38170.86931448	0.00488842	0.45143106	170.27911530	0.45	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.191511989
Ba 230.424	Ba	nQ	1.12854128	1.12854128	mg/L	93529.71702848	0.00812072	0.71957663	671.40950350	0.72	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.575593052
Be 313.107	Be	nQ	1.14261473	1.14261473	mg/L	2352271.47884568	0.01105147	0.96720874	22750.93502716	0.97	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.3735687
Ca 317.933	Ca-R	n	53.86364223	53.86364223	mg/L	717321.10914556	0.63254472	1.17434449	8409.59777176	1.17	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832913
Cd 214.439	Cd	n	1.07037946	1.07037946	mg/L	167612.21166511	0.00652093	0.60921625	1021.02418926	0.61	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.57274298
Co 230.786	Co	n	1.06599618	1.06599618	mg/L	37705.94798137	0.00650065	0.60981914	229.63785250	0.61	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.374911099
Cr 267.716	Cr	n	1.04516648	1.04516648	mg/L	60337.08359967	0.00697462	0.66732112	402.23297556	0.67	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.979167614
Cu 324.754	Cu	n	1.06827697	1.06827697	mg/L	37397.19436341	0.00557944	0.52228429	192.67948376	0.52	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017943
Fe 259.940	Fe	n	1.06788240	1.06788240	mg/L	57621.23752792	0.00927631	0.86866438	498.10275040	0.86	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193144512
K 766.491	K-R	n	62.32268939	62.32268939	mg/L	88270.61243558	0.48385158	0.77636505	684.62653533	0.78	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n	1.04650380	1.04650380	mg/L	109563.03596730	0.00940909	0.89909800	984.68021468	0.90	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	n	53.08567899	53.08567899	mg/L	119538.93553216	0.66955789	1.26127782	1506.43132520	1.26	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.8895755628
Mn 257.610	Mn	n	1.06615519	1.06615519	mg/L	398747.94385112	0.00747501	0.70111842	2791.47543838	0.70	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	n	1.06529261	1.06529261	mg/L	7210.56502597	0.01317450	1.23670263	89.04738809	1.23	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.0706352142
Na 589.592	Na-R	n	52.58331606	52.58331606	mg/L	540737.12962963	0.46426704	0.88291701	4766.12303515	0.88	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908622094
Ni 231.604	Ni	n	1.05580956	1.05580956	mg/L	21148.04454929	0.00495696	0.46949340	98.87127108	0.47	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964401687
P 177.434	P	nQ	6.24122476	6.24122476	mg/L	2940.16431446	0.02793829	0.44764122	13.14655263	0.45		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.55673666674
Pb 220.353	Pb	n	1.07491559	1.07491559	mg/L	8358.76729506	0.00652014	0.60657201	50.84000478	0.61	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.3828314348
S 181.972	S	nQ	5.79087885	5.79087885	mg/L	7190.20098957	0.01883866	0.32531612	23.12114231	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	n	1.06643572	1.06643572	mg/L	2553.80860257	0.01416438	1.32819825	34.45070960	1.35	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.2072896165
Se 196.026	Se	n	1.09151989	1.09151989	mg/L	2769.13150682	0.01389259	1.27277452	34.40293919	1.24	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.3522590871
Si 251.611	Si	nQ	5.75075680	5.75075680	mg/L	43544.41651442	0.17173555	2.98631218	1295.45969702	2.98		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.3402869304
Sn 189.925	Sn	n	5.39804677	5.39804677	mg/L	42303.48424443	0.03580703	0.66333302	280.44345740	0.66	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.0788893141
Sr 421.552	Sr-R	n	1.07500389	1.07500389	mg/L	488263.28220858	0.01247772	1.16071401	5664.53721068	1.16	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	nQ	1.10673701	1.10673701	mg/L	331517.86932744	0.00426428	0.38530228	1275.78612864	0.38	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	nQ	1.10455005	1.10455005	mg/L	2519.41022243	0.02705038	2.44899528	61.51116919	2.44	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.9485626902
V 292.401	V	n	1.07914721	1.07914721	mg/L	34550.11459436	0.00806720	0.74755319	258.36077809	0.75	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674702
Zn 206.200	Zn	n	1.07370356	1.07370356	mg/L	42869.70893069	0.00617935	0.57551745	246.48477816	0.57	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454767727
Y 371.029	Y		0.92	0.92	Ratio	477125.23	0.01	0.86	4109.36	0.86		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	120995.21	0.01	0.92	1110.59	0.92		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353084	File:	icp data	Time:	24-OCT-2023 15:42
Cal:	673428353001	Caldate:	24-OCT-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001836]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	481485	-7.20
Yttrium	R	125677	122533	-2.50

!=warning CCB=instrument blank

Instrument ID: MET09

Label:	CCB	Rack:Tube:	S1:1	Type:	QC
Date Time:	10/24/2023 3:42:24 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]
Ag 328.068	Ag	n	0.00070261	0.00070261	mg/L	577.63317705	0.00044678	63.58906617	30.55373110	5.29		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699
Al 396.152	Al	nu	-0.00008695	-0.00008695	mg/L	1272.95246023	0.00060791	699.12035289	18.98011456	1.49	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n	0.00087687	0.00087687	mg/L	7.43752914	0.00082897	94.53828458	3.15941489	42.48	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716
B 249.678	B	n	0.00221028	0.00221028	mg/L	537.15921511	0.00118065	53.41628630	41.12574510	7.66	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898
Ba 230.424	Ba	n	0.00035044	0.00035044	mg/L	248.72186074	0.00025700	73.33601619	21.24851098	8.54	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527
Be 313.107	Be	n	0.00002963	0.00002963	mg/L	104.03057374	0.00001581	53.36294267	32.55175013	31.29	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872
Ca 317.933	Ca-R	nu	-0.00238157	-0.00238157	mg/L	1145.27817936	0.00239664	100.63278682	31.86301899	2.78	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134
Cd 214.439	Cd	n	0.00005321	0.00005321	mg/L	21.67751945	0.00003774	70.92109976	5.90868199	27.26	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986
Co 230.786	Co	n	0.00081392	0.00081392	mg/L	77.81484499	0.00043598	53.56518252	15.40101308	19.79	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998
Cr 267.716	Cr	nu	-0.00007076	-0.00007076	mg/L	50.05257220	0.00025330	357.97953862	14.60811518	29.19	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141
Cu 324.754	Cu	nZ	0.00344008	0.00344008	mg/L	617.89032263	0.00014968	4.35104431	5.16899935	0.84	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431
Fe 259.940	Fe	nu	-0.00043140	-0.00043140	mg/L	156.62286363	0.00022968	53.24055216	12.33303783	7.87	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126
K 766.491	K-R	n	0.02649052	0.02649052	mg/L	144.54262708	0.01937859	73.15293816	27.41976973	18.97	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	nu	-0.00020142	-0.00020142	mg/L	-13.01451852	0.00058161	288.75821499	60.86676973	> 100.00	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	nu	-0.01190523	-0.01190523	mg/L	72.77380649	0.00315274	26.48198208	7.09331990	9.75	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281
Mn 257.610	Mn	nu	-0.00035145	-0.00035145	mg/L	424.50584057	0.00003912	11.12980968	14.60738702	3.44	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	nZ	0.00521052	0.00521052	mg/L	45.59003398	0.00198280	38.05385325	13.40191721	29.40	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423
Na 589.592	Na-R	nu	0.01289352	0.01289352	mg/L	1089.28848988	0.01663827	129.04366722	170.80694119	15.68	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945
Ni 231.604	Ni	n	0.00062827	0.00062827	mg/L	98.70184043	0.00029908	47.60320997	5.96538797	6.04	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876
P 177.434	P	nu	0.00198877	0.00198877	mg/L	3.58132491	0.00556057	279.59810149	2.61656230	73.06		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741
Pb 220.353	Pb	nu	0.00183576	0.00183576	mg/L	-5.86717453	0.00234103	127.52369261	18.25388745	> 100.00	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482
S 181.972	S	n	0.00308447	0.00308447	mg/L	87.63780536	0.00258678	83.86487987	3.17482136	3.62		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	nu	0.00416123	0.00416123	mg/L	-29.21847401	0.00514181	123.56446557	12.50593810	42.80	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654
Se 196.026	Se	n	0.00403717	0.00403717	mg/L	75.42649730	0.00248141	61.46404067	6.14484027	8.15	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715
Si 251.611	Si	nu	-0.00796570	-0.00796570	mg/L	129.44803619	0.00056175	7.05205523	4.23743682	3.27		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041
Sn 189.925	Sn	n	0.00119443	0.00119443	mg/L	32.80836908	0.00013418	11.23351694	1.05088120	3.20	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416
Sr 421.552	Sr-R	nu	0.00001670	0.00001670	mg/L	19.66348926	0.00002195	131.42096294	9.96529914	50.68	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	n	0.00101130	0.00101130	mg/L	708.69923681	0.00028773	28.45122390	86.08181681	12.15	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	nu	-0.00114767	-0.00114767	mg/L	4.60769122	0.00093155	81.16917960	2.11830473	45.97	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028
V 292.401	V	nu	0.00010774	0.00010774	mg/L	3.86829739	0.00042040	390.20975240	13.46367531	> 100.00	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028
Zn 206.200	Zn	n	0.00363422	0.00363422	mg/L	166.58737971	0.00021982	6.04851847	8.76813426	5.26	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271
Y 371.029	Y		0.93	0.93	Ratio	481485.47	0.01	0.89	4293.27	0.89		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	122533.38	0.02	2.04	2498.04	2.04		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353089	File:	icp data	Time:	24-OCT-2023 15:58
Cal:	673428353001	Caldate:	24-OCT-2023		

Standards: S19239

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	6442.5	8539.0	1.000	1.098	mg/L	10	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	467281	-9.93
Yttrium	R	125677	120428	-4.18

Instrument ID: MET09

Label: CCV,S19239 | Rack:Tube: S1:12 | Type: QC
Date Time: 10/24/2023 3:58:00 PM | Weight: - | Volume: -
Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -
LIMS ID: | Customer: | Customer Ref.:
Sample Date Time: | Sample Site: | Description:
Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.52119355	0.52119355	mg/L	36173.64368930	0.00078790	0.15117237	53.88135706	0.15		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.976925069
Al 396.152	Al	nQ	1.14770902	1.14770902	mg/L	37174.89121127	0.00787522	0.68616872	245.88140950	0.66	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	nQ	1.13568353	1.13568353	mg/L	4333.05993580	0.00582683	0.51306807	22.20743710	0.51	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.2385039071
B 249.678	B	nQ	1.11466105	1.11466105	mg/L	39278.12396347	0.00014601	0.01309926	5.08607738	0.01	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.191511989
Ba 230.424	Ba	nQ	1.15363733	1.15363733	mg/L	95604.66236460	0.00445818	0.38644579	368.59620883	0.39	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.575593052
Be 313.107	Be	nQ	1.16897311	1.16897311	mg/L	2406533.77626278	0.00605548	0.51801709	12466.02024897	0.52	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.3735687
Ca 317.933	Ca-R	n	54.21888653	54.21888653	mg/L	722044.39704281	0.67748932	1.24954488	9007.13026738	1.25	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832913
Cd 214.439	Cd	n	1.09897607	1.09897607	mg/L	172089.80225359	0.00595643	0.54199785	932.63688438	0.54	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.57274298
Co 230.786	Co	n	1.09027832	1.09027832	mg/L	38563.72558802	0.00299691	0.27487569	105.86697089	0.27	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.374911099
Cr 267.716	Cr	n	1.07290425	1.07290425	mg/L	61936.82374246	0.00412446	0.38442020	237.86168474	0.38	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.979167614
Cu 324.754	Cu	n	1.09252157	1.09252157	mg/L	38234.51968397	0.00117315	0.10737969	40.51322623	0.11	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017943
Fe 259.940	Fe	n	1.09840175	1.09840175	mg/L	59261.06832652	0.00606823	0.55245967	325.84067342	0.55	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193144512
K 766.491	K-R	n	62.90559820	62.90559820	mg/L	89095.18847666	0.77624258	1.23398012	1098.34562577	1.23	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n	1.05567675	1.05567675	mg/L	110523.38666678	0.01279434	1.21195654	1338.95312200	1.21	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.96043349
Mg 279.800	Mg-R	n	53.65065350	53.65065350	mg/L	120810.09403331	0.69787590	1.30077800	1570.14370627	1.30	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.8895755628
Mn 257.610	Mn	n	1.09594618	1.09594618	mg/L	409873.61419836	0.00445482	0.40648167	1663.61262388	0.41	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	n	1.09631566	1.09631566	mg/L	7420.24983245	0.01263466	1.15246526	85.39853941	1.15	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.0706352142
Na 589.592	Na-R	n	53.04998972	53.04998972	mg/L	545527.58808807	0.70487249	1.32869486	7236.15653415	1.33	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908622094
Ni 231.604	Ni	n	1.08072141	1.08072141	mg/L	21644.96450933	0.00248355	0.22980495	49.53682682	0.23	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964401687
P 177.434	P	nQ	6.35195491	6.35195491	mg/L	2992.27618554	0.01894520	0.29825775	8.91479051	0.30		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.55673666674
Pb 220.353	Pb	n	1.09803684	1.09803684	mg/L	8539.03380133	0.00196372	0.17883910	15.31187075	0.18	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.3828314348
S 181.972	S	nQ	5.92153921	5.92153921	mg/L	7350.55300766	0.02052974	0.34669609	25.19664889	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	nQ	1.10369381	1.10369381	mg/L	2644.42183114	0.01169644	1.05975385	28.44816088	1.08	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.2072896165
Se 196.026	Se	nQ	1.11651114	1.11651114	mg/L	2831.02555078	0.00473090	0.42372193	11.71538128	0.41	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.3522590871
Si 251.611	Si	nQ	5.92573831	5.92573831	mg/L	44864.09655375	0.15536128	2.62180463	1171.94301033	2.61		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.3402869304
Sn 189.925	Sn	nQ	5.55579731	5.55579731	mg/L	43539.02118027	0.05005481	0.90094735	392.03320761	0.90	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.0788893141
Sr 421.552	Sr-R	n	1.08643042	1.08643042	mg/L	493453.02059472	0.01128031	1.03829112	5120.94637454	1.04	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	nQ	1.13163574	1.13163574	mg/L	338967.04385383	0.00341204	0.30151424	1020.81337437	0.30	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	nQ	1.13687371	1.13687371	mg/L	2592.91778612	0.02188975	1.92543332	49.77615487	1.92	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.9485626902
V 292.401	V	nQ	1.10497305	1.10497305	mg/L	35377.09455931	0.00487754	0.44141715	156.20850897	0.44	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674702
Zn 206.200	Zn	nQ	1.10325814	1.10325814	mg/L	44048.82489803	0.00716442	0.64938745	285.77763891	0.65	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454767727
Y 371.029	Y		0.90	0.90	Ratio	467281.07	0.01	0.59	2758.10	0.59		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	120428.15	0.01	0.62	746.44	0.62		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353090	File:	icp data	Time:	24-OCT-2023 16:01
Cal:	673428353001	Caldate:	24-OCT-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	518823	480425	-7.40
Yttrium	R	125677	122507	-2.52

Instrument ID: MET09

Label:	CCB	Rack:Tube:	S1:1	Type:	QC
Date Time:	10/24/2023 4:01:07 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00068799	0.00068799	mg/L	576.63233550	0.00036974	53.74189152	25.28488685	4.38		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699
Al 396.152	Al	n	0.00093670	0.00093670	mg/L	1304.91108082	0.00023553	25.14479604	7.35377075	0.56	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	nu	0.00003901	0.00003901	mg/L	4.24439764	0.00199329	5109.84293953	7.59691159	> 100.00	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716
B 249.678	B	n	0.00221226	0.00221226	mg/L	537.22791083	0.00060792	27.47965373	21.17585866	3.94	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898
Ba 230.424	Ba	n	0.00034980	0.00034980	mg/L	248.66825478	0.00008610	24.61416730	7.11865110	2.86	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527
Be 313.107	Be	n	0.00001930	0.00001930	mg/L	82.75582899	0.00001144	59.28076237	23.54972408	28.46	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872
Ca 317.933	Ca-R	nu	-0.00125355	-0.00125355	mg/L	1160.27464197	0.00235709	188.03328662	31.33717207	2.70	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134
Cd 214.439	Cd	n	0.00003960	0.00003960	mg/L	19.55001180	0.00002782	70.25390400	4.35620531	22.28	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986
Co 230.786	Co	n	0.00066083	0.00066083	mg/L	72.40708139	0.00041746	63.17237361	14.74702442	20.37	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998
Cr 267.716	Cr	n	0.00019708	0.00019708	mg/L	65.49879376	0.00018603	94.39380751	10.72864331	16.38	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141
Cu 324.754	Cu	nZ	0.00366264	0.00366264	mg/L	625.57535362	0.00037722	10.29921686	13.02696722	2.08	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431
Fe 259.940	Fe	nu	-0.00035814	-0.00035814	mg/L	160.55338399	0.00031625	88.30366672	16.98125960	10.58	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126
K 766.491	K-R	n	0.03195875	0.03195875	mg/L	152.28090782	0.01635053	51.16136882	23.13521427	15.19	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n	0.00019649	0.00019649	mg/L	28.62713948	0.00015155	77.12807214	15.86002258	55.40	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	nu	-0.01185853	-0.01185853	mg/L	72.88025495	0.00364284	30.71918521	8.19599668	11.25	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281
Mn 257.610	Mn	nu	-0.00030060	-0.00030060	mg/L	443.49626486	0.00005141	17.10074767	19.19688795	4.33	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	nZ	0.00493030	0.00493030	mg/L	43.69584805	0.00145459	29.50298984	9.83165155	22.50	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423
Na 589.592	Na-R	n	0.00966546	0.00966546	mg/L	1056.15577985	0.00679222	70.27314108	69.72832508	6.60	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945
Ni 231.604	Ni	n	0.00056112	0.00056112	mg/L	97.36247327	0.00028199	50.25390359	5.62448963	5.78	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876
P 177.434	P	n	0.00412212	0.00412212	mg/L	4.58518885	0.00196600	47.69380563	0.92511229	20.18		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741
Pb 220.353	Pb	nu	-0.00046494	-0.00046494	mg/L	-23.79647370	0.00056865	122.30474348	4.43396672	18.63	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482
S 181.972	S	n	0.00600996	0.00600996	mg/L	91.22773677	0.00236453	39.34343410	2.90203920	3.18		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	nu	0.00502878	0.00502878	mg/L	-27.10780370	0.00558622	111.08490197	13.58684374	50.12	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654
Se 196.026	Se	n	0.00501322	0.00501322	mg/L	77.84302745	0.00289345	57.71642083	7.16520576	9.20	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715
Si 251.611	Si	nu	-0.00837864	-0.00837864	mg/L	126.33360268	0.00043586	5.20204635	3.28784455	2.60		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041
Sn 189.925	Sn	n	0.00126431	0.00126431	mg/L	33.35561193	0.00088810	70.24352317	6.95563130	20.85	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416
Sr 421.552	Sr-R	nu	0.00001158	0.00001158	mg/L	17.32897190	0.00002311	199.48413359	10.48922793	60.53	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	n	0.00116925	0.00116925	mg/L	755.95548265	0.00034124	29.18428766	102.09094735	13.50	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	nu	-0.00011302	-0.00011302	mg/L	6.96031021	0.00084816	750.47692552	1.92868152	27.71	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028
V 292.401	V	nu	-0.00018184	-0.00018184	mg/L	-5.40721667	0.00033837	186.08299090	10.83652195	> 100.00	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028
Zn 206.200	Zn	n	0.00229686	0.00229686	mg/L	113.25550150	0.00013194	5.74417462	5.26271875	4.65	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271
Y 371.029	Y		0.93	0.93	Ratio	480425.20	0.00	0.20	951.80	0.20		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	122506.73	0.01	1.37	1673.23	1.37		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 494459 METALS Wipe
EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353101	File:	icp data	Time:	24-OCT-2023 16:37
Cal:	673428353001	Caldate:	24-OCT-2023		

Standards: S19239

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	6442.5	8347.4	1.000	1.073	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	518823	481273	-7.24
Yttrium	R	125677	121500	-3.32

Instrument ID: MET09

Label: CCV,S19239 | Rack:Tube: S1:12 | Type: QC
Date Time: 10/24/2023 4:37:08 PM | Weight: - | Volume: -
Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -
LIMS ID: | Customer: | Customer Ref.:
Sample Date Time: | Sample Site: | Description:
Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n!	0.50893628	0.50893628	mg/L	35335.40703456	0.00157658	0.30977873	107.81571379	0.31		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.976925069
Al 396.152	Al	nQ!	1.12627933	1.12627933	mg/L	36505.43628600	0.00673360	0.59786201	210.23743851	0.58	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	nQ!	1.10388140	1.10388140	mg/L	4211.85194798	0.00485828	0.44010929	18.51608139	0.44	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.2385039071
B 249.678	B	n!	1.08033300	1.08033300	mg/L	38082.41715123	0.00613300	0.56769494	213.63181824	0.56	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.191511989
Ba 230.424	Ba	nQ!	1.13633545	1.13633545	mg/L	94174.14739046	0.00163606	0.14397679	135.26705295	0.14	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.575593052
Be 313.107	Be	nQ!	1.14789521	1.14789521	mg/L	2363142.06734329	0.00838426	0.73040324	17260.13374715	0.73	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.3735687
Ca 317.933	Ca-R	n!	54.03655714	54.03655714	mg/L	719620.16351751	0.17024119	0.31504819	2263.33399462	0.31	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.866832913
Cd 214.439	Cd	n!	1.07652748	1.07652748	mg/L	168574.88011228	0.00320673	0.29787689	502.09826285	0.30	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.57274298
Co 230.786	Co	n!	1.07335253	1.07335253	mg/L	37965.81510506	0.00283572	0.26419257	100.17278842	0.26	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.374911099
Cr 267.716	Cr	n!	1.04782395	1.04782395	mg/L	60490.37710088	0.00499369	0.47657710	287.99093715	0.48	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.979167614
Cu 324.754	Cu	n!	1.06717975	1.06717975	mg/L	37359.33178347	0.00522988	0.49006593	180.60789611	0.48	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.822017943
Fe 259.940	Fe	n!	1.07991023	1.07991023	mg/L	58267.58119361	0.00938705	0.86924360	504.04888181	0.87	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.193144512
K 766.491	K-R	n!	62.29914956	62.29914956	mg/L	88237.20276816	0.19012519	0.30518104	269.01793613	0.30	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n!	1.04670617	1.04670617	mg/L	109584.39022079	0.00278379	0.26595731	291.32924609	0.27	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	n!	53.31761037	53.31761037	mg/L	120060.77698085	0.19600221	0.36761252	440.98333482	0.37	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.8895755628
Mn 257.610	Mn	n!	1.06862711	1.06862711	mg/L	399671.30149998	0.00561041	0.52501113	2095.15765534	0.52	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	n!	1.09251439	1.09251439	mg/L	7394.55802278	0.01473433	1.34866202	99.59035422	1.35	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.0706352142
Na 589.592	Na-R	n!	52.73546994	52.73546994	mg/L	542298.94257458	0.17880975	0.33906922	1835.64450664	0.34	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.908622094
Ni 231.604	Ni	n!	1.05222711	1.05222711	mg/L	21076.60327700	0.00608899	0.57867644	121.45078512	0.58	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.964401687
P 177.434	P	nQ!	6.16910065	6.16910065	mg/L	2906.22894380	0.01601945	0.25967245	7.53806236	0.26		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.55673666674
Pb 220.353	Pb	n!	1.07345506	1.07345506	mg/L	8347.37602923	0.00364913	0.33994240	28.45365490	0.34	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.3828314348
S 181.972	S	nQ!	5.74954084	5.74954084	mg/L	7139.45921755	0.01437410	0.25000426	17.64167445	0.25		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	n!	1.07394124	1.07394124	mg/L	2572.06213314	0.01088025	1.01311430	26.46302896	1.03	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.2072896165
Se 196.026	Se	n!	1.08529951	1.08529951	mg/L	2753.72892878	0.00744786	0.68624952	18.44353141	0.67	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.3522590871
Si 251.611	Si	nQ!	5.67836316	5.67836316	mg/L	42998.19978821	0.14977869	2.63770892	1129.83163919	2.63		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.3402869304
Sn 189.925	Sn	n!	5.43096699	5.43096699	mg/L	42561.32880702	0.00959162	0.17660976	75.12230786	0.18	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.0788893141
Sr 421.552	Sr-R	n!	1.08053424	1.08053424	mg/L	490774.96766396	0.00554748	0.51340197	2518.40304444	0.51	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	nQ!	1.11777048	1.11777048	mg/L	334818.85269187	0.00932762	0.83448406	2790.63187258	0.83	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	nQ!	1.11332996	1.11332996	mg/L	2539.37760237	0.02614965	2.34877846	59.46296895	2.34	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.9485626902
V 292.401	V	n!	1.08192774	1.08192774	mg/L	34639.09902831	0.00536571	0.49593933	171.84250783	0.50	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.080674702
Zn 206.200	Zn	n!	1.08206277	1.08206277	mg/L	43203.32946916	0.00400891	0.37048814	159.90939215	0.37	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.454767727
Y 371.029	Y	!	0.93	0.93	Ratio	481273.23	0.00	0.31	1514.29	0.31		-	-	-	Fitted	-	-
Y 371.029	Y-R	!	0.97	0.97	Ratio	121500.23	0.00	0.21	251.99	0.21		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 494459 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673428353102	File:	icp data	Time:	24-OCT-2023 16:40
Cal:	673428353001	Caldate:	24-OCT-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	518823	475120	-8.42
Yttrium	R	125677	121955	-2.96

Instrument ID: MET09

Label: CCB | Rack:Tube: S1:1 | Type: QC

Date Time: 10/24/2023 4:40:15 PM | Weight: - | Volume: -

Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -

LIMS ID: | Customer: | Customer Ref.:

Sample Date Time: | Sample Site: | Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n!	0.00095456	0.00095456	mg/L	594.86283122	0.00042862	44.90253787	29.31174457	4.93		Y (371.029 nm)	Linear	1.00000	Fitted	529.583743365284	68385.9769250699
Al 396.152	Al	nZ!	0.00529899	0.00529899	mg/L	1441.10972032	0.00125803	23.74087101	39.27827590	2.73	14.65535632	Y (371.029 nm)	Linear	0.99970	Fitted	1275.67465847368	31222.16262634
As 188.980	As	n!u	0.00052312	0.00052312	mg/L	6.08951650	0.00076247	145.75364720	2.90594125	47.72	12.96774970	Y (371.029 nm)	Linear	0.99997	Fitted	4.09517954485676	3811.23850390716
B 249.678	B	n!	0.00225150	0.00225150	mg/L	538.59432462	0.00015046	6.68268698	5.24101917	0.97	6.08326626	Y (371.029 nm)	Linear	0.99992	Fitted	460.169015487444	34833.1915119898
Ba 230.424	Ba	n!	0.00067418	0.00067418	mg/L	275.48775054	0.00007849	11.64211266	6.48934767	2.36	14.40985739	Y (371.029 nm)	Linear	0.99999	Fitted	219.746522768663	82678.5755930527
Be 313.107	Be	n!	0.00002383	0.00002383	mg/L	92.08558510	0.00000446	18.71987484	9.18313971	9.97	6.32149123	Y (371.029 nm)	Linear	0.99999	Fitted	43.0297108246616	2058634.37356872
Ca 317.933	Ca-R	n!u	-0.00054707	-0.00054707	mg/L	1169.66407210	0.00076191	139.27238871	10.12955645	0.87	3.53643618	Y-R (371.029 nm)	Linear	0.99986	Fitted	1176.93709786945	13294.8668329134
Cd 214.439	Cd	n!	0.00012440	0.00012440	mg/L	32.82911027	0.00001269	10.20423475	1.98763181	6.05	2.57493181	Y (371.029 nm)	Linear	0.99998	Fitted	13.3412503994362	156576.572742986
Co 230.786	Co	n!	0.00028702	0.00028702	mg/L	59.20219654	0.00012798	44.58761764	4.52080622	7.64	6.75822951	Y (371.029 nm)	Linear	0.99998	Fitted	49.0628106397704	35325.3749110998
Cr 267.716	Cr	n!u	0.00010316	0.00010316	mg/L	60.08202130	0.00020022	194.08879982	11.54680920	19.22	6.89621384	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	54.1334323474598	57670.9791676141
Cu 324.754	Cu	nZ!	0.00379707	0.00379707	mg/L	630.21736511	0.00023274	6.12944686	8.03737358	1.28	10.80022096	Y (371.029 nm)	Linear	0.99973	Fitted	499.091030425765	34533.8220179431
Fe 259.940	Fe	n!	0.00119692	0.00119692	mg/L	244.04524859	0.00103114	86.14913629	55.36824473	22.69	75.92826510	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	179.780316019017	53696.1931445126
K 766.491	K-R	n!u	-0.01295780	-0.01295780	mg/L	88.72599758	0.01350385	104.21410001	19.10730031	21.54	41.87838682	Y-R (371.029 nm)	Linear	0.99968	Fitted	107.063680008165	1414.9515362826
Li 670.783	Li-R	n!u	0.00011184	0.00011184	mg/L	19.76656133	0.00111318	995.34706175	116.49661343	> 100.00	1.73386826	Y-R (371.029 nm)	Linear	0.99979	FACT	8.06771698692114	104651.960433493
Mg 279.800	Mg-R	n!u	-0.00674112	-0.00674112	mg/L	84.39458125	0.00148397	22.01375742	3.33877730	3.96	13.23257307	Y-R (371.029 nm)	Linear	0.99979	Fitted	99.5568045320588	2249.88957556281
Mn 257.610	Mn	n!u	-0.00024580	-0.00024580	mg/L	463.95931223	0.00002986	12.14616997	11.14915758	2.40	2.69556644	Y (371.029 nm)	Linear	0.99998	Fitted	555.751603088166	373441.010307225
Mo 204.598	Mo	nZ!	0.00587045	0.00587045	mg/L	50.05054458	0.00266974	45.47762759	18.04497383	36.05	8.46808663	Y (371.029 nm)	Linear	1.00000	Fitted	10.3712945605961	6759.07063521423
Na 589.592	Na-R	n!u	0.00536114	0.00536114	mg/L	1011.95994467	0.01165094	217.32215564	119.60744609	11.82	7.69333009	Y-R (371.029 nm)	Linear	0.99977	Fitted	956.946358792734	10265.9086220945
Ni 231.604	Ni	n!	0.00031860	0.00031860	mg/L	92.52520709	0.00026644	83.62781590	5.31444334	5.74	4.02419784	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	86.1699975058445	19945.9644016876
P 177.434	P	n!u	-0.00045811	-0.00045811	mg/L	2.42990617	0.00342755	748.19717950	1.61285861	66.38		Y (371.029 nm)	Linear	1.00000	Fitted	2.64568461999539	470.556736666741
Pb 220.353	Pb	n!u	-0.00006491	-0.00006491	mg/L	-20.68411159	0.00116424	1793.68028946	9.07801944	43.89	5.50981842	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-20.1605332849104	7797.38283143482
S 181.972	S	n!	0.00610804	0.00610804	mg/L	91.34846262	0.00312233	51.11839978	3.83211113	4.20		Y (371.029 nm)	Linear	1.00000	Fitted	83.8519510808406	1227.3240095325
Sb 206.834	Sb	n!u	-0.00022884	-0.00022884	mg/L	-39.89561068	0.00387261	1692.25277508	9.41898319	23.61	5.00814732	Y (371.029 nm)	Linear	0.99993	Off-Peak Right	-39.3390249201473	2432.20728961654
Se 196.026	Se	n!u	-0.00081318	-0.00081318	mg/L	63.41468677	0.00032936	40.50308483	0.81561381	1.29	15.27971720	Y (371.029 nm)	Linear	0.99997	Fitted	65.4291895650202	2476.35225908715
Si 251.611	Si	n!u	-0.00793775	-0.00793775	mg/L	129.65887633	0.00075928	9.56542233	5.72750363	4.42		Y (371.029 nm)	Linear	1.00000	Fitted	189.538089292679	7543.34028693041
Sn 189.925	Sn	n!	0.00240602	0.00240602	mg/L	42.29753774	0.00062474	25.96594587	4.89305093	11.57	5.34881077	Y (371.029 nm)	Linear	0.99997	Fitted	23.453168588928	7832.07888931416
Sr 421.552	Sr-R	n!	0.00001699	0.00001699	mg/L	19.78365792	0.00000334	19.67467302	1.51764054	7.67	2.56857955	Y-R (371.029 nm)	Linear	0.99988	Fitted	12.1243288443052	453972.109011738
Ti 334.941	Ti	n!	0.00143439	0.00143439	mg/L	835.27885750	0.00107587	75.00532480	321.87712482	38.54	3.23184600	Y (371.029 nm)	Linear	0.99993	Fitted	406.14050563216	299179.52464327
Tl 190.794	Tl	n!	0.00129311	0.00129311	mg/L	10.15783531	0.00115911	89.63713490	2.63574842	25.95	52.63408169	Y (371.029 nm)	Linear	0.99990	Fitted	7.21724477347766	2273.94856269028
V 292.401	V	n!u	-0.00005753	-0.00005753	mg/L	-1.42689517	0.00011197	194.61725236	3.58582471	> 100.00	1.68941459	Y (371.029 nm)	Linear	0.99995	Off-Peak Left+Right	0.419455688414644	32026.0806747028
Zn 206.200	Zn	n!	0.00245593	0.00245593	mg/L	119.60600409	0.00014293	5.81996481	5.70143444	4.77	3.96788427	Y (371.029 nm)	Linear	0.99995	Fitted	21.6008015288752	39888.4547677271
Y 371.029	Y	!	0.92	0.92	Ratio	475120.14	0.00	0.27	1294.96	0.27		-	-	-	Fitted	-	-
Y 371.029	Y-R	!	0.97	0.97	Ratio	121954.52	0.01	0.55	668.08	0.55		-	-	-	Fitted	-	-

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

enthalpy.com

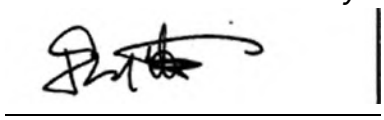
Lab Job Number: 494537
Report Level: II
Report Date: 11/01/2023

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 #:	494537
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/24/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C9E-LAT-L3-DN-C9.5-DG-231024-L-LA	494537-001	10/24/23 10:10	Wipe
AFRAME-C8E-LAT-L1-HS-3-231024-P-A	494537-002	10/24/23 08:05	Wipe
AFRAME-C8E-LAT-L1-HS-3-231024-L-A	494537-003	10/24/23 08:05	Wipe
AFRAME-C8E-MED-L1-UP-C8.6-DG-231024-L-SS	494537-004	10/24/23 08:15	Wipe
AFRAME-C9E-LAT-L1-HS-3-231024-L-A	494537-005	10/24/23 08:30	Wipe
AFRAME-C9E-LAT-L1-UP-C9.7-VS-231024-L-I	494537-006	10/24/23 08:50	Wipe
AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-P-SS	494537-007	10/24/23 09:15	Wipe
AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-L-SS	494537-008	10/24/23 09:15	Wipe
AFRAME-C10E-LAT-L1-HS-3-231024-L-A	494537-009	10/24/23 08:55	Wipe
AFRAME-C11E-MED-L1-HS-3-231024-L-A	494537-010	10/24/23 09:05	Wipe
AFRAME-C9E-MED-L1-UP-C9E-DG-231024-L-LA	494537-011	10/24/23 09:25	Wipe
AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-L-FB	494537-012	10/24/23 09:35	Wipe
AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-L-DUP-FB	494537-013	10/24/23 09:35	Wipe
AFRAME-C11E-LAT-L1-INT-1 TO 2-231024-L-FB	494537-014	10/24/23 09:50	Wipe
AFRAME-C8E-MED-L1-DN-C8.7-DG-231024-L-SS	494537-015	10/24/23 10:00	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	494537
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/24/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C9E-MED-L1-EXT-0 TO 1-231024-L-WF	494537-016	10/24/23 10:05	Wipe
AFRAME-C9E-MED-L1-DN-C9.7-DG-231024-L-SS	494537-017	10/24/23 10:20	Wipe
AFRAME-C9E-MED-L1-DN-C9E-DG-231024-L-SS	494537-018	10/24/23 10:10	Wipe
AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-L-WF	494537-019	10/24/23 08:25	Wipe
AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-L-DUP-WF	494537-020	10/24/23 08:25	Wipe
AFRAME-C9E-MED-L3-UP-C9.7-DG-231024-L-LA	494537-021	10/24/23 08:45	Wipe
AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-P-LA	494537-022	10/24/23 09:05	Wipe
AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-L-LA	494537-023	10/24/23 09:05	Wipe
AFRAME-C8E-MED-L3-UP-C8.4-DG-231024-L-LA	494537-024	10/24/23 08:55	Wipe
AFRAME-C9E-LAT-L3-UP-C9.1-HS-231024-L-LA	494537-025	10/24/23 09:20	Wipe
AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-P-WF	494537-026	10/24/23 09:25	Wipe
AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-L-WF	494537-027	10/24/23 09:25	Wipe
AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-L-DUP-WF	494537-028	10/24/23 09:25	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	494537
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/24/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C8E-MED-L2-HS-1-231024-P-G	494537-029	10/24/23 09:45	Wipe
AFRAME-C8E-MED-L2-HS-1-231024-L-G	494537-030	10/24/23 09:45	Wipe
AFRAME-C8E-MED-L3-DN-C8.7-DG-231024-L-LA	494537-031	10/24/23 10:00	Wipe
231024-L-FIELDBLANK2-HO	494537-032	10/24/23 10:05	Wipe
231024-L-MEDBLANK2-HO	494537-033	10/24/23 12:30	Wipe
231024-L-FIELDBLANK3-HO	494537-034	10/24/23 07:52	Wipe
231024-L-MEDBLANK3-HO	494537-035	10/24/23 12:28	Wipe
AFRAME-C9E-LAT-L1-UP-C9.1-VS-231024-L-I	494537-036	10/24/23 08:40	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 494537 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/24/23

This data package contains sample and QC results for thirty six wipe samples, requested for the above referenced project on 10/25/23. The samples were received cold and intact.

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

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

494537

~~494537~~ (cm)

ENTHALPY

Chain of Custody Record

COC ID:

Page: 1 of 3

Turn Around Time (rush by advanced notice only)

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

Sample Receipt Temp:

(lab use only)

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

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 Smoot

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	AFRAME-C9E-LAT-L3-DN-C9.5-DG-231024-L-LA	10/24/2023	1010	WP	1	--		X	
2	AFRAME-C8E-LAT-L1-HS-3-231024-P-A	10/24/2023	0805	WP	1	--	X		
3	AFRAME-C8E-LAT-L1-HS-3-231024-L-A	10/24/2023	0805	WP	1	--		X	
4	AFRAME-C8E-MED-L1-UP-C8.6-DG-231024-L-SS	10/24/2023	0815	WP	1	--		X	
5	~~AFRAME-C9E-MED-L1-HS-3-231024-L-C~~	10/24/2023		WP	1			~~X~~	
6	AFRAME-C9E-LAT-L1-HS-3-231024-L-A	10/24/2023	0830	WP	1	--		X	
7	AFRAME-C9E-LAT-L1-UP-C9.7-VS-231024-L-I	10/24/2023	0850	WP	1	--		X	
8	AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-P-SS	10/24/2023	0915	WP	1	--	X		
9	AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-L-SS	10/24/2023	0915	WP	1	--		X	
10	AFRAME-C10E-LAT-L1-HS-3-231024-L-A	10/24/2023	0855	WP	1	--		X	
11	AFRAME-C11E-MED-L1-HS-3-231024-L-A	10/24/2023	0905	WP	1	--		X	
12	AFRAME-C9E-MED-L1-UP-C9E-DG-231024-L-LA	10/24/2023	0925	WP	1	--		X	
13	AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-L-FB	10/24/2023	0935	WP	1	--		X	
14	AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-L-DUP-FB	10/24/2023	0935	WP	1	--		X	
15	AFRAME-C11E-LAT-L1-INT-1 TO 2-231024-L-FB	10/24/2023	0950	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 5 Enclosure A/B (High Occupancy)

TS

2x Rivet Type 2 = 0.0200ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michael Kim	Rincon/Env Scientist	10/24/23 @ 1320
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY "	10/24/23 15:20
2 Relinquished By:	Audrey Hudson	"	"	10/24/23 15:40
2 Received By:				10/24/23 15:40
3 Relinquished By:				10/24/23 17:07
3 Received By:				10/25/23 1040

494537

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Chain of Custody Record

COC ID:

Page: 2 of 3

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

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 5 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
16	AFRAME-C8E-MED-L1-DN-C8.7-DG-231024-L-SS	10/24/2023	1000	WP	1	--		X	
17	AFRAME-C9E-MED-L1-EXT-0 TO 1-231024-L-WF	10/24/2023	1005	WP	1	--		X	
18	AFRAME-C9E-MED-L1-DN-C9.7-DG-231024-L-SS	10/24/2023	1020	WP	1	--		X	
19	AFRAME-C9E-MED-L1-DN-C9E-DG-231024-L-SS	10/24/2023	1010	WP	1	--		X	
20	~~AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-LA •~~	~~10/24/2023~~		~~WP~~	1	--	X		
21	~~AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-DUP-LA •~~	~~10/24/2023~~		~~WP~~	1	--	X		
22	~~AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-L-LA •~~	~~10/24/2023~~		~~WP~~	1	--		X	
23	AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-L-WF	10/24/2023	0825	WP	1	--		X	
24	AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-L-DUP-WF	10/24/2023	0825	WP	1	--		X	
25	~~AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-P-LA •~~	~~10/24/2023~~		~~WP~~	1	--	X		
26	~~AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-L-LA •~~	~~10/24/2023~~		~~WP~~	1	--		X	
27	AFRAME-C9E-MED-L3-UP-C9.7-DG-231024-L-LA	10/24/2023	0845	WP	1	--		X	
28	AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-P-LA	10/24/2023	0905	WP	1	--	X		
29	AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-L-LA	10/24/2023	0905	WP	1	--		X	
30	AFRAME-C8E-MED-L3-UP-C8.4-DG-231024-L-LA	10/24/2023	0855	WP	1	--		X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/ENV Scientist	10/24/23 @ 1320
[1] Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	10/24/23 15:20
[2] Relinquished By:	Audrey Hudson	"	"	10/24/23 15:40
[2] Received By:				10/24/23 15:40
[3] Relinquished By:				10/24/23 17:02
[3] Received By:				10/25/23 1040

494577

ENTHALPY ANALYTICAL

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

Chain of Custody Record

COC ID:

Page: 3 of 3

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)

Turn Around Time (rush by advanced notice only)

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

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
31	AFRAME-C9E-LAT-L3-UP-C9.1-HS-231024-L-LA	10/24/2023	0920	WP	1	--		X		
32	AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-P-WF	10/24/2023	0925	WP	1	--	X			
33	AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-L-WF	10/24/2023	0925	WP	1	--		X		
34	AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-L-DUP-WF	10/24/2023	0925	WP	1	--		X		
35	AFRAME-C8E-MED-L2-HS-1-231024-P-G	10/24/2023	0945	WP	1	--	X			
36	AFRAME-C8E-MED-L2-HS-1-231024-L-G	10/24/2023	0945	WP	1	--		X		3x Rivet Type 1 = 0.04 |4 ft²
37	AFRAME-C8E-MED-L3-DN-C8.7-DG-231024-L-LA	10/24/2023	1000	WP	1	--		X		
38	231024-L-FIELDBLANK2-HO	10/24/2023	1005	WP	1	--		X		
39	231024-L-MEDBLANK2-HO	10/24/2023	1230	WP	1	--		X		
40	231024-L-FIELDBLANK3-HO	10/24/2023	0752	WP	1	--		X		
41	231024-L-MEDBLANK3-HO	10/24/2023	1228	WP	1	--		X		
42	~~C8E-LAT-L3-EXT-0 TO 1-231024-L-WF~~	~~10/24/2023~~		~~WP~~	~~1~~	~~--~~		X		TS
43	AFRAME-C9E-LAT-L1-UP-C9.1-VS-	10/24/2023	0840	WP	1	--	X	X		
44	231024-L-I									
45										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon / Env Scientist	10/24/23 @ 1320
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/24/23 13:20
[2] Relinquished By:	Audrey Hudson	"	"	10/24/23 15:40
[2] Received By:				10/24/23 17:40
[3] Relinquished By:				10/24/23 17:02
[3] Received By:			ETA	10/25/23 1040

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 5 Enclosure A/B (High Occupancy)

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

SAMPLE RECEIPT CHECKLIST

ENTHALPY

Section 1: General Info

Date Received: 10/24/23 Login # 494537 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

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

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

Date Opened 10/24/23 By (print) AM (sign) _____

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

If no cooler: Sample Temp (°C): _____

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

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

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

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

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

Preservative added:

☐ H2SO4 lot#_____ added to samples_____ Date/Time_____

☐ HCL lot#_____ added to samples_____ Date/Time_____

☐ HNO3 lot#_____ added to samples_____ Date/Time_____

☐ CrVI Buffer lot#_____ added to samples_____ Date/Time_____

Section 6: Explanations / Comments

ID for -006 is the PCB analysis version, not the lead that is on the COC w/ associated requested lead analysis. Wipe looks to be the lead sampling type, so it is labeled as such.

Date Logged 10/24/23 **By (print)** AM **(sign)** _____

Date Labeled 10/24/23 **By (print)** AM **(sign)** _____

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

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 10/25/23 Sampler's Name Present: ☐ Yes ☐ No

Section 2

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

Sample Temp (°C), One from each cooler: #1: 3.4 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 2-7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

494537

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: OCT 25 2023

SOUTHWEST AIRLINES

Printed on:
24 OCT 19:22

526 OAK 9478 6565

SNA

PC# 3 OF 5

DG G

LOT WT 245 LB (111.1 KG)

OAK WN 1979 25 OCT 08:15

STN FLT DATE ETD LOT 01

PC ID: 0003
PC WT: 49LB

526 94786565 0003

S

27/3-4

Enthalpy Analytical - Orange Analytical Report

Lab #: 494537 **Project#:** 20-10491

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

Field ID: AFRAME-C8E-LAT-L1-HS-3-231024-P-A **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 8082

Lab ID: 494537-002 **Received:** 10/24/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

DiIn Fac: 1.000 **Analyzed:** 10/26/23

494537-002 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

494537-002 Surrogate	%REC	Limits
TCMX (PCB)	70	19-121
Decachlorobiphenyl (PCB)	61	19-121

Field ID: AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-P-SS **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 8082

Lab ID: 494537-007 **Received:** 10/24/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

DiIn Fac: 1.000 **Analyzed:** 10/26/23

494537-007 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

494537-007 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	66	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 494537 **Project#:** 20-10491

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

Field ID: AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-P-LA **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 8082

Lab ID: 494537-022 **Received:** 10/24/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

DiIn Fac: 1.000 **Analyzed:** 10/26/23

494537-022 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

494537-022 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	62	19-121

Field ID: AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-P-WF **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 8082

Lab ID: 494537-026 **Received:** 10/24/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

DiIn Fac: 1.000 **Analyzed:** 10/26/23

494537-026 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

494537-026 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	64	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 494537 **Project#:** 20-10491

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

Field ID: AFRAME-C8E-MED-L2-HS-1-231024-P-G **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 8082

Lab ID: 494537-029 **Received:** 10/24/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

DiIn Fac: 1.000 **Analyzed:** 10/26/23

494537-029 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

494537-029 Surrogate	%REC	Limits
TCMX (PCB)	75	19-121
Decachlorobiphenyl (PCB)	67	19-121

Type: BLANK **Batch#:** 325199 **Analysis:** EPA 8082

Lab ID: QC1102661 **Prepared:** 10/25/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1102661 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1102661 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	54	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 494537 **Project#:** 20-10491

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

Type: BS **Batch#:** 325199 **Analysis:** EPA 8082

Lab ID: QC1102662 **Prepared:** 10/25/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/23

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

QC1102662 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.369	87	60-140	ug/100 cm2
Aroclor-1260	5.000	4.283	86	60-140	ug/100 cm2

QC1102662 Surrogate	%REC	Limits
TCMX (PCB)	75	19-121
Decachlorobiphenyl (PCB)	66	19-121

Type: BSD **Batch#:** 325199 **Analysis:** EPA 8082

Lab ID: QC1102663 **Prepared:** 10/25/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/23

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

QC1102663 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.283	86	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	4.061	81	60-140	ug/100 cm2	5	20

QC1102663 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	67	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 494537 **Project#:** 20-10491

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

Field ID: AFRAME-C9E-LAT-L3-DN-C9.5-DG-231024-L-LA **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-001 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-001 Analyte	Result	RL	Units
Lead	**91**	0.50	ug/ft2

Field ID: AFRAME-C8E-LAT-L1-HS-3-231024-L-A **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-003 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-003 Analyte	Result	RL	Units
Lead	**220**	0.50	ug/ft2

Field ID: AFRAME-C8E-MED-L1-UP-C8.6-DG-231024-L-SS **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-004 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-004 Analyte	Result	RL	Units
Lead	**280**	0.50	ug/ft2

Field ID: AFRAME-C9E-LAT-L1-HS-3-231024-L-A **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-005 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-005 Analyte	Result	RL	Units
Lead	**180**	0.50	ug/ft2

Field ID: AFRAME-C9E-LAT-L1-UP-C9.7-VS-231024-L-I **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-006 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-006 Analyte	Result	RL	Units
Lead	**32**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 494537 **Project#:** 20-10491

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

Field ID: AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-L-SS **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-008 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Dln Fac: 1.000 **Analyzed:** 10/25/23

494537-008 Analyte	Result	RL	Units
Lead	**120**	0.50	ug/ft2

Field ID: AFRAME-C10E-LAT-L1-HS-3-231024-L-A **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-009 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Dln Fac: 1.000 **Analyzed:** 10/25/23

494537-009 Analyte	Result	RL	Units
Lead	**220**	0.50	ug/ft2

Field ID: AFRAME-C11E-MED-L1-HS-3-231024-L-A **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-010 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Dln Fac: 1.000 **Analyzed:** 10/25/23

494537-010 Analyte	Result	RL	Units
Lead	**180**	0.50	ug/ft2

Field ID: AFRAME-C9E-MED-L1-UP-C9E-DG-231024-L-LA **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-011 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Dln Fac: 10.00 **Analyzed:** 10/26/23

494537-011 Analyte	Result	RL	Units
Lead	**560**	1.6	ug/ft2

Field ID: AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-L-FB **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-012 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Dln Fac: 1.000 **Analyzed:** 10/25/23

494537-012 Analyte	Result	RL	Units
Lead	**95**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 494537 **Project#:** 20-10491

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

Field ID: AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-L-DUP-FB **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-013 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-013 Analyte	Result	RL	Units
Lead	**120**	0.50	ug/ft2

Field ID: AFRAME-C11E-LAT-L1-INT-1 TO 2-231024-L-FB **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-014 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-014 Analyte	Result	RL	Units
Lead	**140**	0.50	ug/ft2

Field ID: AFRAME-C8E-MED-L1-DN-C8.7-DG-231024-L-SS **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-015 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-015 Analyte	Result	RL	Units
Lead	**36**	0.50	ug/ft2

Field ID: AFRAME-C9E-MED-L1-EXT-0 TO 1-231024-L-WF **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-016 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-016 Analyte	Result	RL	Units
Lead	**99**	0.50	ug/ft2

Field ID: AFRAME-C9E-MED-L1-DN-C9.7-DG-231024-L-SS **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-017 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-017 Analyte	Result	RL	Units
Lead	**160**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 494537 **Project#:** 20-10491

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

Field ID: AFRAME-C9E-MED-L1-DN-C9E-DG-231024-L-SS **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-018 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-018 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Field ID: AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-L-WF **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-019 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-019 Analyte	Result	RL	Units
Lead	**34**	0.50	ug/ft2

Field ID: AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-L-DUP-WF **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-020 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-020 Analyte	Result	RL	Units
Lead	**34**	0.50	ug/ft2

Field ID: AFRAME-C9E-MED-L3-UP-C9.7-DG-231024-L-LA **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-021 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-021 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-L-LA **Batch#:** 325170 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-023 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-023 Analyte	Result	RL	Units
Lead	**60**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 494537 **Project#:** 20-10491

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

Field ID: AFRAME-C8E-MED-L3-UP-C8.4-DG-231024-L-LA **Batch#:** 325171 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-024 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-024 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Field ID: AFRAME-C9E-LAT-L3-UP-C9.1-HS-231024-L-LA **Batch#:** 325171 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-025 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-025 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Field ID: AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-L-WF **Batch#:** 325171 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-027 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-027 Analyte	Result	RL	Units
Lead	**42**	0.50	ug/ft2

Field ID: AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-L-DUP-WF **Batch#:** 325171 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-028 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-028 Analyte	Result	RL	Units
Lead	**41**	0.50	ug/ft2

Field ID: AFRAME-C8E-MED-L2-HS-1-231024-L-G **Batch#:** 325171 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-030 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-030 Analyte	Result	RL	Units
Lead	**51**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 494537 **Project#:** 20-10491

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

Field ID: AFRAME-C8E-MED-L3-DN-C8.7-DG-231024-L-LA **Batch#:** 325171 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-031 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-031 Analyte	Result	RL	Units
Lead	**37**	0.50	ug/ft2

Field ID: 231024-L-FIELDBLANK2-HO **Batch#:** 325171 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-032 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-032 Analyte	Result	RL	Units
Lead	**1.0**	0.50	ug/ft2

Field ID: 231024-L-MEDBLANK2-HO **Batch#:** 325171 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-033 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-033 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 231024-L-FIELDBLANK3-HO **Batch#:** 325171 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-034 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-034 Analyte	Result	RL	Units
Lead	**1.4**	0.50	ug/ft2

Field ID: 231024-L-MEDBLANK3-HO **Batch#:** 325171 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B
Lab ID: 494537-035 **Received:** 10/24/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/25/23
Diln Fac: 1.000 **Analyzed:** 10/25/23

494537-035 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 494537 **Project#:** 20-10491

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

Field ID: AFRAME-C9E-LAT-L1-UP-C9.1-VS-231024-L-I **Batch#:** 325171 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 6010B

Lab ID: 494537-036 **Received:** 10/24/23 **Analyst:** SBW

Matrix: Wipe **Prepared:** 10/25/23

Dil n Fac: 1.000 **Analyzed:** 10/25/23

494537-036 Analyte	Result	RL	Units
Lead	**26**	0.50	ug/ft2

Type: BLANK **Batch#:** 325170 **Analysis:** EPA 6010B

Lab ID: QC1102567 **Prepared:** 10/25/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/26/23

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1102567 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK **Batch#:** 325171 **Analysis:** EPA 6010B

Lab ID: QC1102570 **Prepared:** 10/25/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/25/23

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1102570 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 494537 **Project#:** 20-10491

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

Type: BS **Batch#:** 325170 **Analysis:** EPA 6010B
Lab ID: QC1102568 **Prepared:** 10/25/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/26/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1102568 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	45.65	91	80-120	ug/ft2

Type: BS **Batch#:** 325171 **Analysis:** EPA 6010B
Lab ID: QC1102571 **Prepared:** 10/25/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/25/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1102571 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	44.38	89	80-120	ug/ft2

Type: BSD **Batch#:** 325170 **Analysis:** EPA 6010B
Lab ID: QC1102569 **Prepared:** 10/25/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/26/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1102569 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	46.95	94	80-120	ug/ft2	3	20

Type: BSD **Batch#:** 325171 **Analysis:** EPA 6010B
Lab ID: QC1102572 **Prepared:** 10/25/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/25/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1102572 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	44.86	90	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

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

enthalpy.com

Lab Job Number: 494548
Report Level: IV
Report Date: 11/01/2023

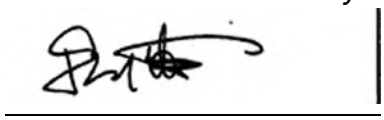
PCBs

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 #:	494548
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/24/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-LA	494548-001	10/24/23 08:10	Wipe
AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-DUP-LA	494548-002	10/24/23 08:10	Wipe
AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-P-LA	494548-004	10/24/23 08:35	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 494548 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/24/23

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 10/25/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

494548

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard: | 5 Day: | 3 Day:
2 Day: | 1 Day: | custom TAT:

X (PCBs) | X (PB)

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)

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

Analysis Request

	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-C8E-LAT-L3-UP-C8.1-DG-231024-P-LA	10/24/2023	0810	WP	1	--	X		
2	AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-DUP-LA	10/24/2023	0810	WP	1	--		X	
3	AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-L-LA	10/24/2023	0810	WP	1	--	X		
4	AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-P-LA	10/24/2023	0835	WP	1	--		X	
5	AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-L-LA	10/24/2023	0835	WP	1	--		X	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

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 5 Enclosure A/B (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/ENV Scientist	10/24/23 @ 1320
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/24/23 13:20
2 Relinquished By:	Audrey Hudson	"	"	10/24/23 15:40
2 Received By:				10/24/23 15:40
3 Relinquished By:				10/24/23 17:02
3 Received By:		FEDEX		10/25/23 1040

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

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 10/24/23 Login # 494548 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

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

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

Date Opened 10/24/23 By (print) MM (sign) _____

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

If no cooler: Sample Temp (°C): _____

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

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

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

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

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

Preservative added:

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

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

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

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

Section 6: Explanations / Comments

Date Logged 10/24/23 **By (print)** MM **(sign)** _____

Date Labeled 10/24/23 **By (print)** MM **(sign)** _____

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

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 10/25/23 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: 3.4 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 2.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

494548

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: OCT 25 2023

SOUTHWEST AIRLINES

Printed on:
24 OCT 19:22

526 OAK 9478 6565

SNA

PC# 3 OF 5

DG G

LOT WT 245 LB (111.1 KG)

OAK WN 1979 25 OCT 08:15

STN FLT DATE ETD LOT 01

PC ID: 0003
PC WT: 49LB

526 94786565 0003

S

27/3.4

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 494548 **Project#:** 20-10491

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

Field ID: AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-LA **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 8082

Lab ID: 494548-001 **Received:** 10/24/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

DiIn Fac: 1.000 **Analyzed:** 10/26/23

494548-001 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

494548-001 Surrogate	%REC	Limits
TCMX (PCB)	75	19-121
Decachlorobiphenyl (PCB)	68	19-121

Field ID: AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-DUP-LA **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 8082

Lab ID: 494548-002 **Received:** 10/24/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

DiIn Fac: 1.000 **Analyzed:** 10/26/23

494548-002 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

494548-002 Surrogate	%REC	Limits
TCMX (PCB)	70	19-121
Decachlorobiphenyl (PCB)	56	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 494548 **Project#:** 20-10491

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

Field ID: AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-P-LA **Batch#:** 325199 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 10/24/23 **Analysis:** EPA 8082

Lab ID: 494548-004 **Received:** 10/24/23 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/25/23

DiIn Fac: 1.000 **Analyzed:** 10/26/23

494548-004 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

494548-004 Surrogate	%REC	Limits
TCMX (PCB)	84	19-121
Decachlorobiphenyl (PCB)	70	19-121

Type: BLANK **Batch#:** 325199 **Analysis:** EPA 8082

Lab ID: QC1102661 **Prepared:** 10/25/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1102661 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1102661 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	54	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 494548 **Project#:** 20-10491

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

Type: BS **Batch#:** 325199 **Analysis:** EPA 8082

Lab ID: QC1102662 **Prepared:** 10/25/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/23

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

QC1102662 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.369	87	60-140	ug/100 cm2
Aroclor-1260	5.000	4.283	86	60-140	ug/100 cm2

QC1102662 Surrogate	%REC	Limits
TCMX (PCB)	75	19-121
Decachlorobiphenyl (PCB)	66	19-121

Type: BSD **Batch#:** 325199 **Analysis:** EPA 8082

Lab ID: QC1102663 **Prepared:** 10/25/23 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/23

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

QC1102663 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.283	86	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	4.061	81	60-140	ug/100 cm2	5	20

QC1102663 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	67	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_101623018	453416704018		16-OCT-2023 14:23	S18455
L2	gc06_101623019	453416704019		16-OCT-2023 14:42	S18456
L3	gc06_101623020	453416704020		16-OCT-2023 15:01	S18457
L4	gc06_101623021	453416704021		16-OCT-2023 15:21	S18458
L5	gc06_101623022	453416704022		16-OCT-2023 15:41	S18459
L6	gc06_101623023	453416704023		16-OCT-2023 16:01	S18460
L7	gc06_101623024	453416704024		16-OCT-2023 16:20	S18461
L8	gc06_101623025	453416704025		16-OCT-2023 16:39	S18462
L9	gc06_101623026	453416704026		16-OCT-2023 16:58	S18463

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		46.0673		0.0217	17	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		22.9521		0.0436	20	8	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.9656		0.0527	17	8	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.6567		0.0349	19	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		31.8452		0.0314	20	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.5374		0.0605	13	6	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.6130		0.0942	17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.1070		0.0989	18	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.2272		0.0520	12	8	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0678		0.0664	15	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.78380		1.2758	11	8	.99	20	
TCMX (PCB)	A	AVRG		1.00493		0.9951	18	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		54.0714		0.0185	14	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.9097		0.0386	14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.4712		0.0514	16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.9845		0.0345	18	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		35.0838		0.0285	13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		18.8855		0.0530	16	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		15.6531		0.0639	17	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		12.2793		0.0814	12	6	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.1977		0.0495	11	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.6280		0.0734	8	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.87103		1.1481	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.06367		0.9401	12	9	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
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	0.0286	0.0258	0.0232	0.0226	0.0210	0.0201	0.0190	0.0177	0.0174
Aroclor-1016 Peak # 2	A	0.0596	0.0507	0.0472	0.0431	0.0397	0.0374	0.0365	0.0343	
Aroclor-1016 Peak # 3	A		0.0706	0.0593	0.0559	0.0516	0.0459	0.0470	0.0461	0.0455
Aroclor-1016 Peak # 4	A	0.0475	0.0409	0.0382	0.0348	0.0321	0.0352	0.0297	0.0280	0.0277
Aroclor-1016 Peak # 5	A	0.0435	0.0376	0.0351	0.0319	0.0295	0.0256	0.0275	0.0261	0.0258
Aroclor-1260 Peak # 1	A		0.0718	0.0662	0.0628	0.0566	0.0518	0.0536		
Aroclor-1260 Peak # 2	A	0.1225	0.1096	0.1017	0.0938	0.0857	0.0802	0.0818	0.0785	
Aroclor-1260 Peak # 3	A	0.1354	0.1126	0.1053	0.0967	0.0883	0.0845	0.0854	0.0833	
Aroclor-1260 Peak # 4	A		0.0627	0.0596	0.0552	0.0501	0.0458	0.0483	0.0471	0.0472
Aroclor-1260 Peak # 5	A	0.0870	0.0754	0.0745	0.0647	0.0583	0.0599	0.0577	0.0592	0.0605
Decachlorobiphenyl (PCB)	A		1.5108	1.2989	1.4029	1.3562	1.2173	1.1371	1.1496	1.1338
TCMX (PCB)	A	1.3501	1.1088	1.0150	1.1486	0.8786	0.8887	0.8727	0.8364	0.8569
Aroclor-1016 Peak # 1	B	0.0240	0.0205	0.0190	0.0186	0.0177	0.0178	0.0169	0.0158	0.0161
Aroclor-1016 Peak # 2	B	0.0502	0.0431	0.0405	0.0394	0.0371	0.0347	0.0352	0.0334	0.0337
Aroclor-1016 Peak # 3	B	0.0710	0.0577	0.0530	0.0498	0.0473	0.0454	0.0465	0.0449	0.0467
Aroclor-1016 Peak # 4	B	0.0467	0.0394	0.0364	0.0357	0.0336	0.0240	0.0324	0.0310	0.0313
Aroclor-1016 Peak # 5	B	0.0369	0.0317	0.0298	0.0284	0.0270	0.0254	0.0264	0.0253	0.0256
Aroclor-1260 Peak # 1	B	0.0719	0.0586	0.0552	0.0526	0.0494	0.0465	0.0478	0.0467	0.0478
Aroclor-1260 Peak # 2	B	0.0886	0.0713	0.0665	0.0631	0.0587	0.0552	0.0571	0.0565	0.0579
Aroclor-1260 Peak # 3	B	0.0997	0.0847	0.0802	0.0783	0.0751	0.0706			
Aroclor-1260 Peak # 4	B	0.0625	0.0504	0.0492	0.0495	0.0467	0.0432	0.0468	0.0476	0.0496
Aroclor-1260 Peak # 5	B	0.0879	0.0744	0.0743	0.0727	0.0690	0.0658	0.0707	0.0714	0.0742
Decachlorobiphenyl (PCB)	B	1.5611	1.1854	1.0694	1.1996	1.1911	1.0469	0.9946	1.0403	1.0441
TCMX (PCB)	B	1.1483	0.9750	0.9083	1.1058	0.8540	0.8950	0.8686	0.8341	0.8722

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
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	32	50.000	19	100.00	7	250.00	4	500.00	-3	749.91	-8	1000.0	-13	1500.0	-19
Aroclor-1016 Peak # 2	A	20.000	37	50.000	16	100.00	8	250.00	-1	500.00	-9	749.91	-14	1000.0	-16	1500.0	**-21**
Aroclor-1016 Peak # 3	A			50.000	34	100.00	12	250.00	6	500.00	-2	749.91	-13	1000.0	-11	1500.0	-13
Aroclor-1016 Peak # 4	A	20.000	36	50.000	17	100.00	9	250.00	0	500.00	-8	749.91	1	1000.0	-15	1500.0	-20
Aroclor-1016 Peak # 5	A	20.000	39	50.000	20	100.00	12	250.00	2	500.00	-6	749.91	-19	1000.0	-12	1500.0	-17
Aroclor-1260 Peak # 1	A			50.000	19	100.00	10	250.00	4	500.00	-6	749.91	-14	1000.0	-11		
Aroclor-1260 Peak # 2	A	20.000	30	50.000	16	100.00	8	250.00	0	500.00	-9	749.91	-15	1000.0	-13	1500.0	-17
Aroclor-1260 Peak # 3	A	20.000	37	50.000	14	100.00	6	250.00	-2	500.00	-11	749.91	-15	1000.0	-14	1500.0	-16
Aroclor-1260 Peak # 4	A			50.000	21	100.00	15	250.00	6	500.00	-4	749.91	-12	1000.0	-7	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	31	50.000	14	100.00	12	250.00	-2	500.00	-12	749.91	-10	1000.0	-13	1500.0	-11
Decachlorobiphenyl (PCB)	A			4.0000	18	8.0000	2	20.000	10	40.000	6	59.993	-5	80.000	-11	120.00	-10
TCMX (PCB)	A	1.6000	36	4.0000	11	8.0000	2	20.000	15	40.000	-12	59.993	-11	80.000	-12	120.00	-16
Aroclor-1016 Peak # 1	B	20.000	30	50.000	11	100.00	3	250.00	1	500.00	-4	749.91	-4	1000.0	-9	1500.0	-15
Aroclor-1016 Peak # 2	B	20.000	30	50.000	12	100.00	5	250.00	2	500.00	-4	749.91	-10	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 3	B	20.000	38	50.000	12	100.00	3	250.00	-3	500.00	-8	749.91	-12	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 4	B	20.000	35	50.000	14	100.00	5	250.00	4	500.00	-3	749.91	**-30**	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 5	B	20.000	29	50.000	11	100.00	5	250.00	0	500.00	-5	749.91	-11	1000.0	-8	1500.0	-11
Aroclor-1260 Peak # 1	B	20.000	36	50.000	11	100.00	4	250.00	-1	500.00	-7	749.91	-12	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 2	B	20.000	39	50.000	12	100.00	4	250.00	-1	500.00	-8	749.91	-14	1000.0	-11	1500.0	-12
Aroclor-1260 Peak # 3	B	20.000	22	50.000	4	100.00	-1	250.00	-4	500.00	-8	749.91	-13				
Aroclor-1260 Peak # 4	B	20.000	26	50.000	2	100.00	-1	250.00	0	500.00	-6	749.91	-13	1000.0	-6	1500.0	-4
Aroclor-1260 Peak # 5	B	20.000	20	50.000	1	100.00	1	250.00	-1	500.00	-6	749.91	-10	1000.0	-4	1500.0	-3
Decachlorobiphenyl (PCB)	B	1.6000	36	4.0000	3	8.0000	-7	20.000	4	40.000	4	59.993	-9	80.000	-13	120.00	-9
TCMX (PCB)	B	1.6000	22	4.0000	4	8.0000	-3	20.000	18	40.000	-9	59.993	-5	80.000	-8	120.00	-11

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-20
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	-18
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A	2000.0	-9
Aroclor-1260 Peak # 5	A	2000.0	-9
Decachlorobiphenyl (PCB)	A	160.00	-11
TCMX (PCB)	A	160.00	-14
Aroclor-1016 Peak # 1	B	2000.0	-13
Aroclor-1016 Peak # 2	B	2000.0	-13
Aroclor-1016 Peak # 3	B	2000.0	-9
Aroclor-1016 Peak # 4	B	2000.0	-9
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B	2000.0	0
Aroclor-1260 Peak # 5	B	2000.0	1
Decachlorobiphenyl (PCB)	B	160.00	-9
TCMX (PCB)	B	160.00	-7

TRN 10/16/23 : Manually integrated for coeluting peak, negative/tailing peak, automatic draw baseline for one/both columns on multiple levels

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 494548 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_101623_1
Calnum:	453416704002	Cal Date:	16-OCT-2023

- ICV 453416704028 (gc06_101623028 16-OCT-2023) stds: S18851

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	528.6	ug/L	6	15	
Aroclor-1260	A	500.0	553.9	ug/L	11	15	
Aroclor-1016	B	500.0	546.6	ug/L	9	15	
Aroclor-1260	B	500.0	562.8	ug/L	13	15	

-

Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

ENTHALPY CONTINUING CALIBRATION FOR 494548 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453431278004	File:	gc06_102623004	Time:	26-OCT-2023 12:37
Cal:	453416704002	Caldate:	16-OCT-2023		

Standards: S19183

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	424.3	ug/L	-15	15	0.0000	
Aroclor-1260	A			500.0	455.2	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2758	1.0904	40.00	34.18	ug/L	-15	15	0.0000	
TCMX (PCB)	A	0.9951	0.8397	40.00	33.75	ug/L	**-16**	15	0.0000	c-
Aroclor-1016	B			500.0	428.3	ug/L	-14	15	0.0000	
Aroclor-1260	B			500.0	452.7	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1481	0.8678	40.00	30.24	ug/L	**-24**	15	0.0000	c-
TCMX (PCB)	B	0.9401	0.8138	40.00	34.62	ug/L	-13	15	0.0000	

ISTD (ICAL gc06_101623019)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10693236	9973447	-6.73
1-bromo-2-nitrobenzene (PCB)	A	3667875	3468805	-5.43

10/26/23 : 500 PPB PCB CCV

TRN 10/26/23 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

TRN 10/26/23 [Aroclor-1016 A]: Corrected baseline noise or negative peak for Ch. A.

-=low bias c=CCV

Analyst: TRN 10/26/23 **Reviewer:** MTS 10/27/23

Enthalpy Internal Standard Summary for Sequence 453431278

Date:	10/26/23	Reference:	gc06_101623019
Sequence:	SVOA-GC06 gc06_102623	Analyzed:	10/16/23 14:42

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	10693236	3667875
		LOWER LIMIT	5346618	1833938
		UPPER LIMIT	21386471	7335751
004	CCV		9973447	3468805

Enthalpy Internal Standard Summary for Sequence 453431278

Date:	10/26/23	Reference:	gc06_102623004
Sequence:	SVOA-GC06 gc06_102623	Analyzed:	10/26/23 12:37

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	9973447	3468805
		LOWER LIMIT	4986724	1734402
		UPPER LIMIT	19946895	6937610
012	SAMPLE	494585-001	10865058	3862875
013	MSS	494585-002	13776774	4764250
014	SAMPLE	494585-003	16816656	5895226
015	BLANK	QC1102614	12839877	4511596
016	LCS	QC1102721	13598315	4787472
017	MS	QC1102722	10495280	3667985
018	MSD	QC1102723	11258578	3976884
019	BLANK	QC1102661	8901335	2309078
020	BS	QC1102662	12642161	3291895
021	BSD	QC1102663	13548882	3654315
022	SAMPLE	494459-003	10017555	2711402
023	SAMPLE	494459-011	12748352	3340121
024	SAMPLE	494459-015	13324070	3438653
025	SAMPLE	494459-023	12666296	3268638
026	SAMPLE	494537-002	13694202	3583678
027	SAMPLE	494537-007	11714027	3026482
028	SAMPLE	494537-022	14413615	3678034
029	SAMPLE	494537-026	13378654	3564919
030	SAMPLE	494537-029	12510067	3373936
031	SAMPLE	494548-001	12183210	3418011
032	SAMPLE	494548-002	12582513	3499102
033	SAMPLE	494548-004	12513020	3374490

Enthalpy Internal Standard Summary for Sequence 453431278

Date:	10/26/23	Reference:	gc06_102623004
Sequence:	SVOA-GC06 gc06_102623	Analyzed:	10/26/23 12:37

#	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	4.16	3.96
		LOWER LIMIT	3.96	3.76
		UPPER LIMIT	4.36	4.16
012	SAMPLE	494585-001	4.16	3.96
013	MSS	494585-002	4.16	3.96
014	SAMPLE	494585-003	4.16	3.96
015	BLANK	QC1102614	4.16	3.96
016	LCS	QC1102721	4.16	3.96
017	MS	QC1102722	4.16	3.96
018	MSD	QC1102723	4.16	3.96
019	BLANK	QC1102661	4.16	3.96
020	BS	QC1102662	4.16	3.96
021	BSD	QC1102663	4.16	3.96
022	SAMPLE	494459-003	4.16	3.96
023	SAMPLE	494459-011	4.16	3.96
024	SAMPLE	494459-015	4.16	3.96
025	SAMPLE	494459-023	4.16	3.96
026	SAMPLE	494537-002	4.16	3.96
027	SAMPLE	494537-007	4.16	3.96
028	SAMPLE	494537-022	4.16	3.96
029	SAMPLE	494537-026	4.16	3.96
030	SAMPLE	494537-029	4.15	3.96
031	SAMPLE	494548-001	4.15	3.96
032	SAMPLE	494548-002	4.15	3.96
033	SAMPLE	494548-004	4.16	3.96

Instrument: SVOA-GC06 Begun: 10/16/23 09:04
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_101623002	PEM				10/16/23 09:04	1.0	1	
003	gc06_101623003	CCV				10/16/23 09:22	1.0	2	ac
004	gc06_101623004	XCCV				10/16/23 09:41	1.0	3	
006	gc06_101623006	ICAL				10/16/23 10:34	1.0	4	
007	gc06_101623007	ICAL				10/16/23 10:53	1.0	5	
008	gc06_101623008	ICAL				10/16/23 11:11	1.0	6	
009	gc06_101623009	ICAL				10/16/23 11:31	1.0	7	
010	gc06_101623010	ICAL				10/16/23 11:50	1.0	8	
011	gc06_101623011	ICAL				10/16/23 12:09	1.0	9	
012	gc06_101623012	ICAL				10/16/23 12:29	1.0	10	
013	gc06_101623013	ICAL				10/16/23 12:48	1.0	11	
015	gc06_101623015	ICV				10/16/23 13:26	1.0	12	
017	gc06_101623017	ICAL				10/16/23 14:04	1.0	13	
018	gc06_101623018	ICAL				10/16/23 14:23	1.0	14	
019	gc06_101623019	ICAL				10/16/23 14:42	1.0	15	
020	gc06_101623020	ICAL				10/16/23 15:01	1.0	16	
021	gc06_101623021	ICAL				10/16/23 15:21	1.0	17	
022	gc06_101623022	ICAL				10/16/23 15:41	1.0	18	
023	gc06_101623023	ICAL				10/16/23 16:01	1.0	19	
024	gc06_101623024	ICAL				10/16/23 16:20	1.0	20	
025	gc06_101623025	ICAL				10/16/23 16:39	1.0	21	
026	gc06_101623026	ICAL				10/16/23 16:58	1.0	22	
028	gc06_101623028	ICV/CCV				10/16/23 17:36	1.0	23	
030	gc06_101623030	PEM				10/16/23 18:15	1.0	1	
031	gc06_101623031	CCV				10/16/23 18:33	1.0	2	
038	gc06_101623038	BLANK	QC1100551	Water	324521	10/16/23 20:46	1.0	24	
039	gc06_101623039	BS	QC1100552	Water	324521	10/16/23 21:05	1.0	24	
040	gc06_101623040	BSD	QC1100553	Water	324521	10/16/23 21:25	1.0	24	
041	gc06_101623041	BS	QC1100554	Water	324521	10/16/23 21:44	1.0	24	
042	gc06_101623042	BSD	QC1100555	Water	324521	10/16/23 22:03	1.0	24	
043	gc06_101623043	SAMPLE	493861-001	Water	324521	10/16/23 22:22	1.0	24	
044	gc06_101623044	SAMPLE	493928-008	Water	324521	10/16/23 22:41	1.0	24	
045	gc06_101623045	SAMPLE	493928-015	Water	324521	10/16/23 23:00	1.0	24	
046	gc06_101623046	SAMPLE	493952-004	Water	324521	10/16/23 23:19	1.0	24	
047	gc06_101623047	BLANK	QC1100592	Soil	324543	10/16/23 23:38	1.0	24	
048	gc06_101623048	LCS	QC1100593	Soil	324543	10/16/23 23:56	1.0	24	
049	gc06_101623049	MS	QC1100594	Soil	324543	10/17/23 00:16	1.0	24	
050	gc06_101623050	MSD	QC1100595	Soil	324543	10/17/23 00:36	1.0	24	
051	gc06_101623051	LCS	QC1100596	Soil	324543	10/17/23 00:55	1.0	24	
052	gc06_101623052	MS	QC1100597	Soil	324543	10/17/23 01:14	1.0	24	
053	gc06_101623053	MSD	QC1100598	Soil	324543	10/17/23 01:33	1.0	24	
054	gc06_101623054	MSS	493672-001	Soil	324543	10/17/23 01:53	1.0	24	
055	gc06_101623055	SAMPLE	493672-002	Soil	324543	10/17/23 02:12	1.0	24	
056	gc06_101623056	SAMPLE	493672-003	Soil	324543	10/17/23 02:31	1.0	24	
057	gc06_101623057	SAMPLE	493672-004	Soil	324543	10/17/23 02:50	1.0	24	
058	gc06_101623058	MSS	493814-001	Soil	324543	10/17/23 03:10	1.0	24	
059	gc06_101623059	BLANK	QC1100506	Soil	324509	10/17/23 03:29	1.0	24	
060	gc06_101623060	LCS	QC1100507	Soil	324509	10/17/23 03:49	1.0	24	
061	gc06_101623061	MS	QC1100508	Soil	324509	10/17/23 04:07	1.0	24	
062	gc06_101623062	MSD	QC1100509	Soil	324509	10/17/23 04:26	1.0	24	

Enthalpy Sequence Summary for Sequence 453416704

Instrument: SVOA-GC06 Begun: 10/16/23 09:04
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
063	gc06_101623063	MSS	493928-014	Soil	324509	10/17/23 04:45	1.0	24	
064	gc06_101623064	SAMPLE	493928-002	Soil	324509	10/17/23 05:05	1.0	24	
065	gc06_101623065	SAMPLE	493928-003	Soil	324509	10/17/23 05:24	1.0	24	
066	gc06_101623066	SAMPLE	493928-004	Soil	324509	10/17/23 05:43	1.0	24	
067	gc06_101623067	SAMPLE	493928-005	Soil	324509	10/17/23 06:02	1.0	24	
068	gc06_101623068	SAMPLE	493928-006	Soil	324509	10/17/23 06:21	1.0	24	

TRN 10/16/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 28.

MES 10/17/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 30 through 68.

ac=average CCV drift out

Standards Used:
1=S18897 2=S19020 3=S19183 4=S19008 5=S19009 6=S19010 7=S19011 8=S19013 9=S19014 10=S19015 11=S19016 12=S19019 13=S18454 14=S18455 15=S18456 16=S18457 17=S18458 18=S18459 19=S18460 20=S18461 21=S18462 22=S18463 23=S18851 24=S18370

Enthalpy Sequence Summary for Sequence 453431278

Instrument: SVOA-GC06 Begun: 10/26/23 11:58
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_102623002	PEM				10/26/23 11:58	1.0	1
003	gc06_102623003	CCV				10/26/23 12:18	1.0	2
004	gc06_102623004	CCV				10/26/23 12:37	1.0	3
012	gc06_102623012	SAMPLE	494585-001	Soil	325163	10/26/23 15:46	1.0	4
013	gc06_102623013	MSS	494585-002	Soil	325163	10/26/23 16:05	1.0	4
014	gc06_102623014	SAMPLE	494585-003	Soil	325163	10/26/23 16:24	1.0	4
015	gc06_102623015	BLANK	QC1102614	Soil	325163	10/26/23 16:44	1.0	4
016	gc06_102623016	LCS	QC1102721	Soil	325163	10/26/23 17:04	1.0	4
017	gc06_102623017	MS	QC1102722	Soil	325163	10/26/23 17:23	1.0	4
018	gc06_102623018	MSD	QC1102723	Soil	325163	10/26/23 17:44	1.0	4
019	gc06_102623019	BLANK	QC1102661	Wipe	325199	10/26/23 18:03	1.0	4
020	gc06_102623020	BS	QC1102662	Wipe	325199	10/26/23 18:22	1.0	4
021	gc06_102623021	BSD	QC1102663	Wipe	325199	10/26/23 18:42	1.0	4
022	gc06_102623022	SAMPLE	494459-003	Wipe	325199	10/26/23 19:02	1.0	4
023	gc06_102623023	SAMPLE	494459-011	Wipe	325199	10/26/23 19:21	1.0	4
024	gc06_102623024	SAMPLE	494459-015	Wipe	325199	10/26/23 19:41	1.0	4
025	gc06_102623025	SAMPLE	494459-023	Wipe	325199	10/26/23 20:00	1.0	4
026	gc06_102623026	SAMPLE	494537-002	Wipe	325199	10/26/23 20:20	1.0	4
027	gc06_102623027	SAMPLE	494537-007	Wipe	325199	10/26/23 20:40	1.0	4
028	gc06_102623028	SAMPLE	494537-022	Wipe	325199	10/26/23 21:00	1.0	4
029	gc06_102623029	SAMPLE	494537-026	Wipe	325199	10/26/23 21:20	1.0	4
030	gc06_102623030	SAMPLE	494537-029	Wipe	325199	10/26/23 21:39	1.0	4
031	gc06_102623031	SAMPLE	494548-001	Wipe	325199	10/26/23 21:58	1.0	4
032	gc06_102623032	SAMPLE	494548-002	Wipe	325199	10/26/23 22:18	1.0	4
033	gc06_102623033	SAMPLE	494548-004	Wipe	325199	10/26/23 22:38	1.0	4

TRN 10/27/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 33.

Standards Used:
1=S18897 2=S19020 3=S19183 4=S18370

SAMPLE PREPARATION SUMMARY

Batch #:	325199	Method:	3546	Analysis:	8080
Started By:	JAM	Prep Date:	25-OCT-2023 16:58	Finished By:	JAM

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S19261	Spike S19176	Analysis
494459-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494459-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494459-015	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494459-023	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494537-002	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494537-007	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494537-022	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494537-026	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494537-029	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494548-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494548-002	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
494548-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
QC1102661 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1102662 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1102663 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080

Analyst: TRN 10/27/23

Reviewer: MTS 10/27/23

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipe Date/Time: 10/25/23 16:58 Initials: JAM

Hotblock ID: N/A Therm Loc: N/A Therm ID/CF: ____/____ 608.3 QC Batch#: ____

Hotblock Temp (Obs/Corr), °C: N/A / ____ 8081 QC Batch #: ____

Balance ID: N/A Microdispenser ID: Syringe 8082 QC Batch #: 325199

Extraction Start Time*: 17:25 Extraction end time*: 18:14

* 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	MICO2-9	TV07	10.0		
LCS		↓		-10	↓	↓		
LCSD		↓		-11	↓	↓		
494459-3	A	↓		-12	↓	↓		
-11	↓	↓		-13	↓	↓		
-15	↓	↓		-14	↓	↓		
-23	↓	↓		-15	TV05	↓		
494537-2	↓	↓		-16	↓	↓		
-7	↓	↓		-17	↓	↓		
-22	↓	↓		-18	↓	↓		
-26	↓	↓		-19	↓	↓		
-29	↓	↓		-20	↓	↓		
494548-1	↓	↓		-21	TV06	↓		
-2	↓	↓		-22	↓	↓		
-4	↓	↓		-23	↓	↓		

Methylene Chloride Lot: ____

Exchange Solvent (Hexane) ID: 519078

Acetone-Hexane Mix ID: ____

Sodium Sulfate Lot: 223704

Baked Sand Lot: N/A

Surrogate ID: 519261 B Volume: 500 µL

Pest LCS Spike ID: ____ Volume: ____ µL

PCB LCS Spike ID: 519176 C Volume: 500 µL

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

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

REPORTING SUMMARY FOR 494548 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
494548-001	Aroclor-1016	SVOA-GC06	B	10/26/23 21:58
494548-001	Aroclor-1221	SVOA-GC06	B	10/26/23 21:58
494548-001	Aroclor-1232	SVOA-GC06	B	10/26/23 21:58
494548-001	Aroclor-1242	SVOA-GC06	B	10/26/23 21:58
494548-001	Aroclor-1248	SVOA-GC06	B	10/26/23 21:58
494548-001	Aroclor-1254	SVOA-GC06	B	10/26/23 21:58
494548-001	Aroclor-1260	SVOA-GC06	B	10/26/23 21:58
494548-001	Aroclor-1262	SVOA-GC06	B	10/26/23 21:58
494548-001	Aroclor-1268	SVOA-GC06	B	10/26/23 21:58
494548-001	TCMX (PCB)	SVOA-GC06	B	10/26/23 21:58
494548-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 21:58
494548-002	Aroclor-1016	SVOA-GC06	B	10/26/23 22:18
494548-002	Aroclor-1221	SVOA-GC06	B	10/26/23 22:18
494548-002	Aroclor-1232	SVOA-GC06	B	10/26/23 22:18
494548-002	Aroclor-1242	SVOA-GC06	B	10/26/23 22:18
494548-002	Aroclor-1248	SVOA-GC06	B	10/26/23 22:18
494548-002	Aroclor-1254	SVOA-GC06	B	10/26/23 22:18
494548-002	Aroclor-1260	SVOA-GC06	B	10/26/23 22:18
494548-002	Aroclor-1262	SVOA-GC06	B	10/26/23 22:18
494548-002	Aroclor-1268	SVOA-GC06	B	10/26/23 22:18
494548-002	TCMX (PCB)	SVOA-GC06	B	10/26/23 22:18
494548-002	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 22:18
494548-004	Aroclor-1016	SVOA-GC06	B	10/26/23 22:38
494548-004	Aroclor-1221	SVOA-GC06	B	10/26/23 22:38
494548-004	Aroclor-1232	SVOA-GC06	B	10/26/23 22:38
494548-004	Aroclor-1242	SVOA-GC06	B	10/26/23 22:38
494548-004	Aroclor-1248	SVOA-GC06	B	10/26/23 22:38
494548-004	Aroclor-1254	SVOA-GC06	B	10/26/23 22:38
494548-004	Aroclor-1260	SVOA-GC06	B	10/26/23 22:38

REPORTING SUMMARY FOR 494548 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
494548-004	Aroclor-1262	SVOA-GC06	B	10/26/23 22:38
494548-004	Aroclor-1268	SVOA-GC06	B	10/26/23 22:38
494548-004	TCMX (PCB)	SVOA-GC06	B	10/26/23 22:38
494548-004	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 22:38
QC1102661	Aroclor-1016	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1221	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1232	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1242	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1248	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1254	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1260	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1262	SVOA-GC06	B	10/26/23 18:03
QC1102661	Aroclor-1268	SVOA-GC06	B	10/26/23 18:03
QC1102661	TCMX (PCB)	SVOA-GC06	B	10/26/23 18:03
QC1102661	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 18:03
QC1102662	Aroclor-1016	SVOA-GC06	B	10/26/23 18:22
QC1102662	Aroclor-1260	SVOA-GC06	B	10/26/23 18:22
QC1102662	TCMX (PCB)	SVOA-GC06	B	10/26/23 18:22
QC1102662	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 18:22
QC1102663	Aroclor-1016	SVOA-GC06	B	10/26/23 18:42
QC1102663	Aroclor-1260	SVOA-GC06	B	10/26/23 18:42
QC1102663	TCMX (PCB)	SVOA-GC06	B	10/26/23 18:42
QC1102663	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/26/23 18:42

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	494548-001	Client ID:	AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-LA
Seqnum:	453431278031	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_102623031	Batch:	325199	Time:	26-OCT-2023 21:58
Cal:	453416704002	Caldate:	16-OCT-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	36.35	ND	2.1	141%	0.50		u
Aroclor-1016 Peak # 1	B	84.92	0.85	1.48	54%			
Aroclor-1016 Peak # 2	B	24.11	0.24	0.44	59%			
Aroclor-1016 Peak # 3	B	65.80	0.66	6.58	164%			
Aroclor-1016 Peak # 4	B	1.160	0.01	1.68	197%			
Aroclor-1016 Peak # 5	B	5.772	0.06	0.28	132%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	24.40	ND	0.89	114%	0.50		u
Aroclor-1260 Peak # 1	B	68.78	0.69	1.58	79%			
Aroclor-1260 Peak # 2	B	6.644	0.07	0.07	5%			
Aroclor-1260 Peak # 3	B	15.56	0.16	0.02	153%			
Aroclor-1260 Peak # 4	B	21.84	0.22	1.80	157%			
Aroclor-1260 Peak # 5	B	9.152	0.09	0.95	165%			
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	37.64	0.5000	0.3764	75	19-121	u
Decachlorobiphenyl (PCB)	B	34.20	0.5000	0.3420	68	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_102623004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	12183210	22.16
1-bromo-2-nitrobenzene (PCB)	A	3468805	3418011	-1.46

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_102623004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.15	-0.01
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

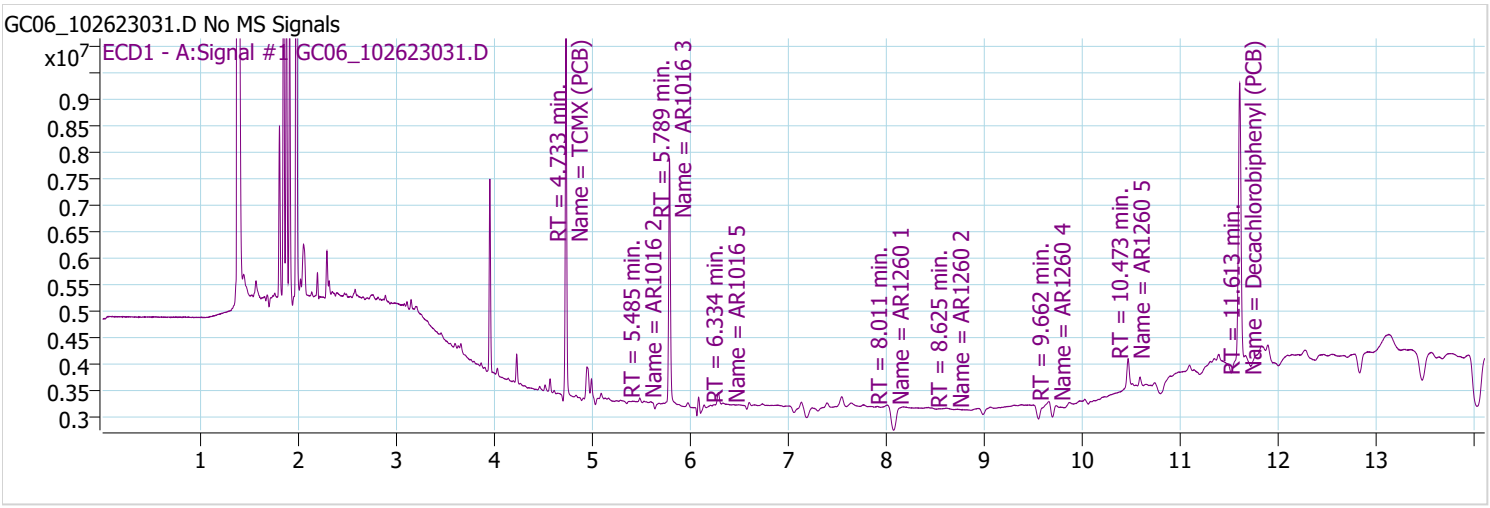
10/27/23 : WIPE/1DM^2-10ML

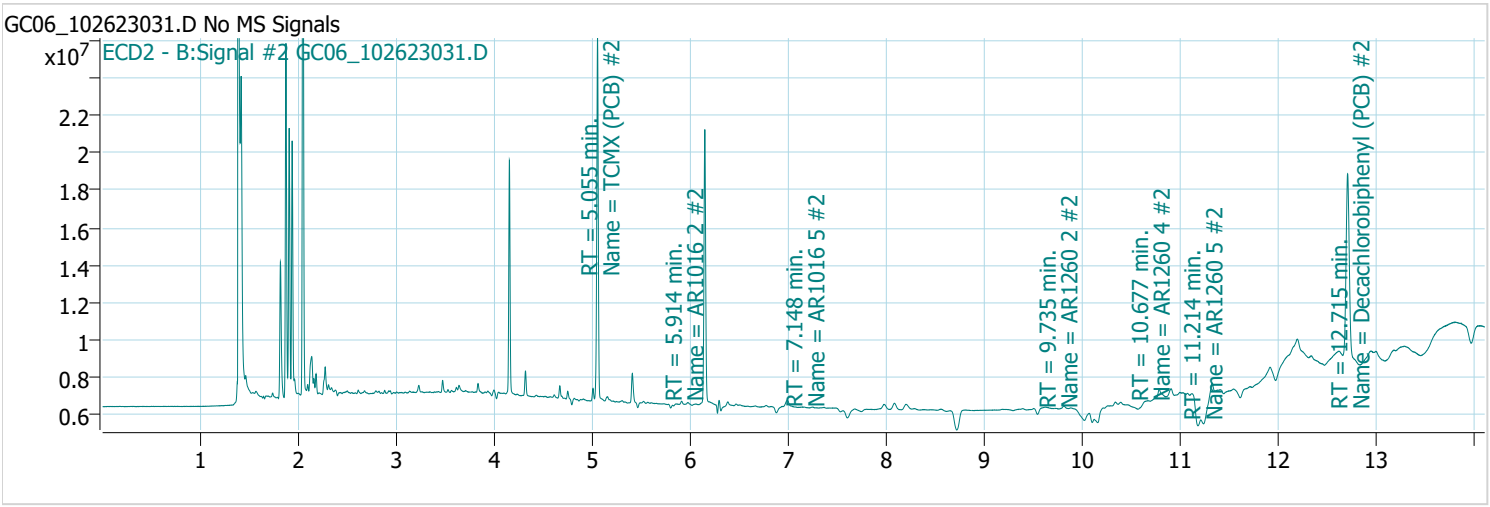
-=low bias c=CCV u=use

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623031.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 9:58:42 PM
Sample Name	494548-001, 325199, 1	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



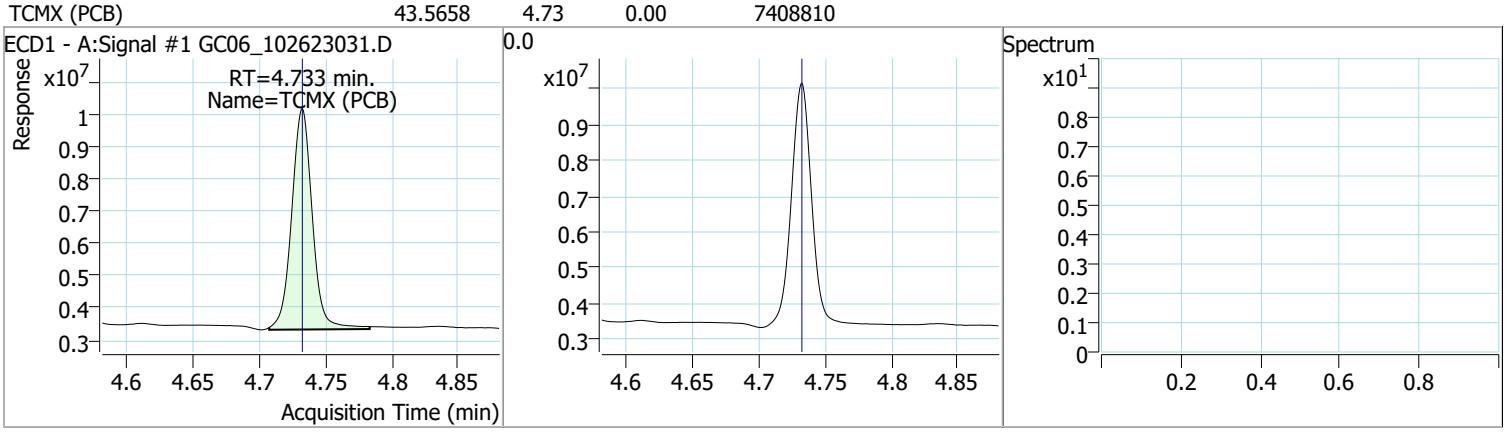


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.955	0.0	3418011.454	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.154	0.0	12183210.059	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	7408809.752	43.5658	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.83%		*	
S TCMX (PCB) #2	5.055	0.0	21555619.851	37.6392	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.20%		*	
S Decachlorobiphenyl (PCB)	11.613	0.0	10633004.345	48.7666	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.83%		*	
S Decachlorobiphenyl (PCB) #2	12.715	0.0	23918920.057	34.2018	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.01%		*	
Target Compounds							QValue

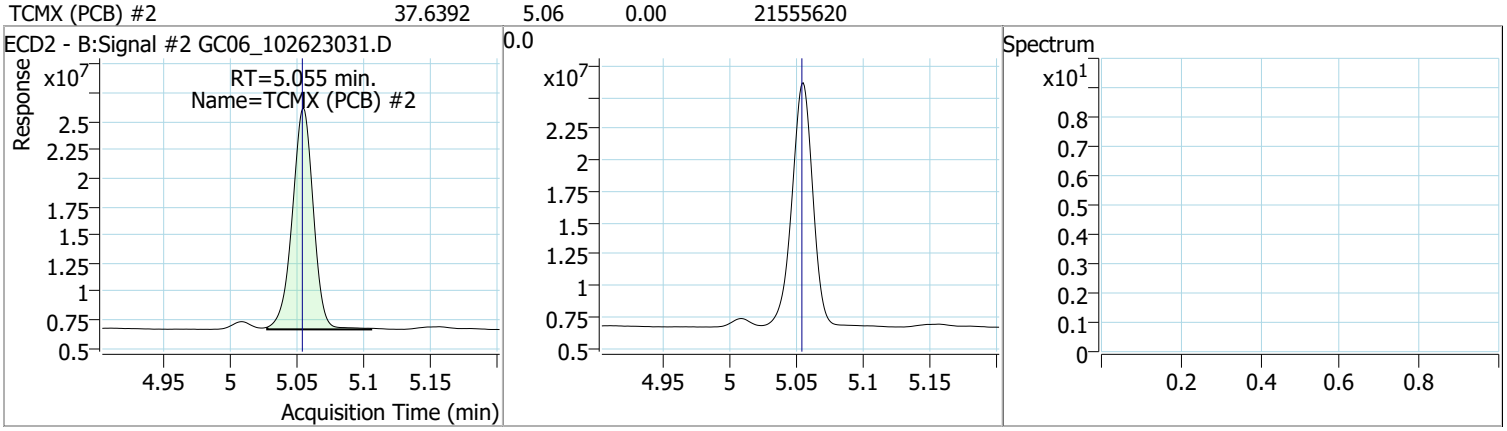
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.091	0.0	547353.961	147.5445	ng/ml	100
T AR1016 2	5.485	0.0	328296.343	44.0912	ng/ml	100
T AR1016 1 #2	5.526	0.0	956699.626	84.9215	ng/ml	100
T AR1016 3	5.789	0.0	5930522.701	658.1458	ng/ml	100
T AR1016 2 #2	5.914	0.0	566774.147	24.1072	ng/ml	100
T AR1016 4	5.978	0.0	999052.139	167.5239	ng/ml	100
T AR1016 5	6.334	0.0	151082.111	28.1526	ng/ml	100
T AR1016 3 #2	6.386	0.0	2058554.183	65.8004	ng/ml	100
T AR1016 4 #2	6.591	0.0	24375.340	1.1598	ng/ml	100
T AR1016 5 #2	7.148	0.0	100223.670	5.7723	ng/ml	100
T AR1260 1	8.011	0.0	1629643.895	157.6977	ng/ml	100
T AR1260 2	8.625	0.0	112355.589	6.9774	ng/ml	100
T AR1260 3	9.241	0.0	34895.535	2.0637	ng/ml	100
T AR1260 1 #2	9.508	0.0	2218422.376	68.7773	ng/ml	100
T AR1260 4	9.662	0.0	1603691.175	180.4258	ng/ml	100
T AR1260 2 #2	9.735	0.0	258547.407	6.6438	ng/ml	100
T AR1260 3 #2	10.077	0.0	772158.593	15.5652	ng/ml	100
T AR1260 5	10.473	0.0	1082049.575	95.4026	ng/ml	100
T AR1260 4 #2	10.677	0.0	658782.310	21.8432	ng/ml	100
T AR1260 5 #2	11.214	0.0	409075.299	9.1518	ng/ml	100

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

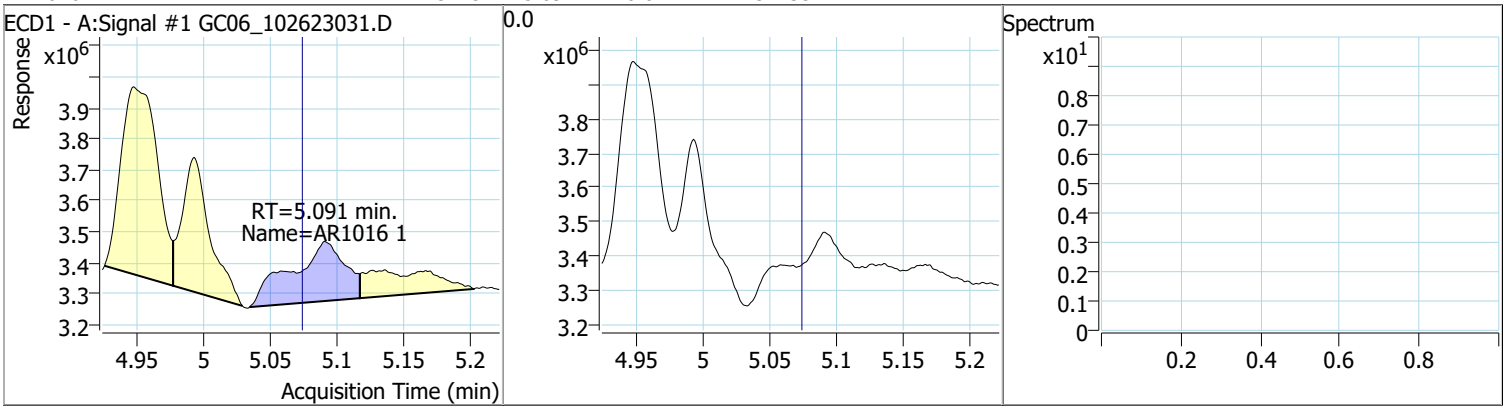
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.5658	4.73	0.00	7408810				



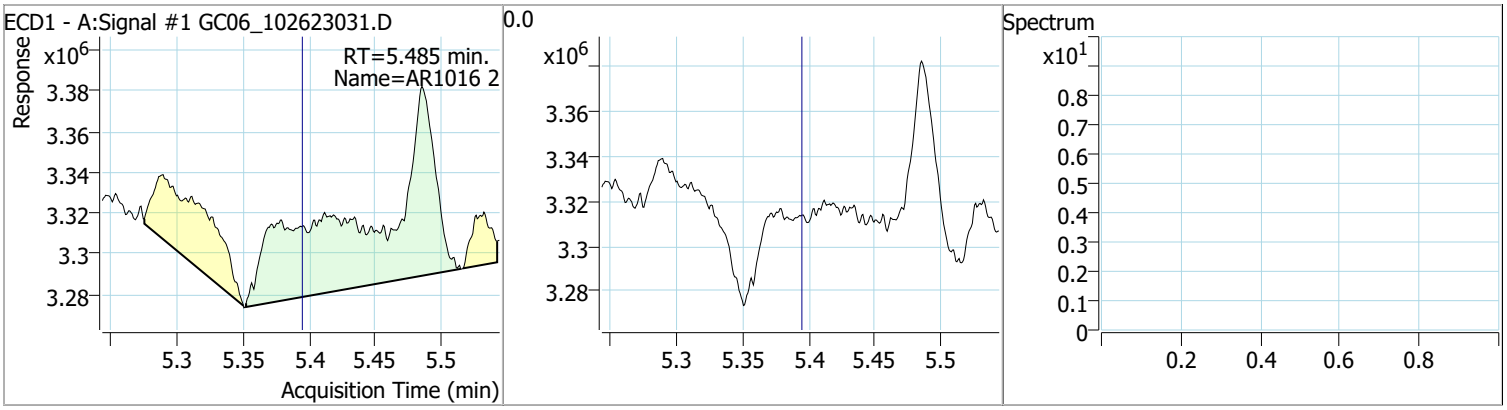
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.6392	5.06	0.00	21555620				



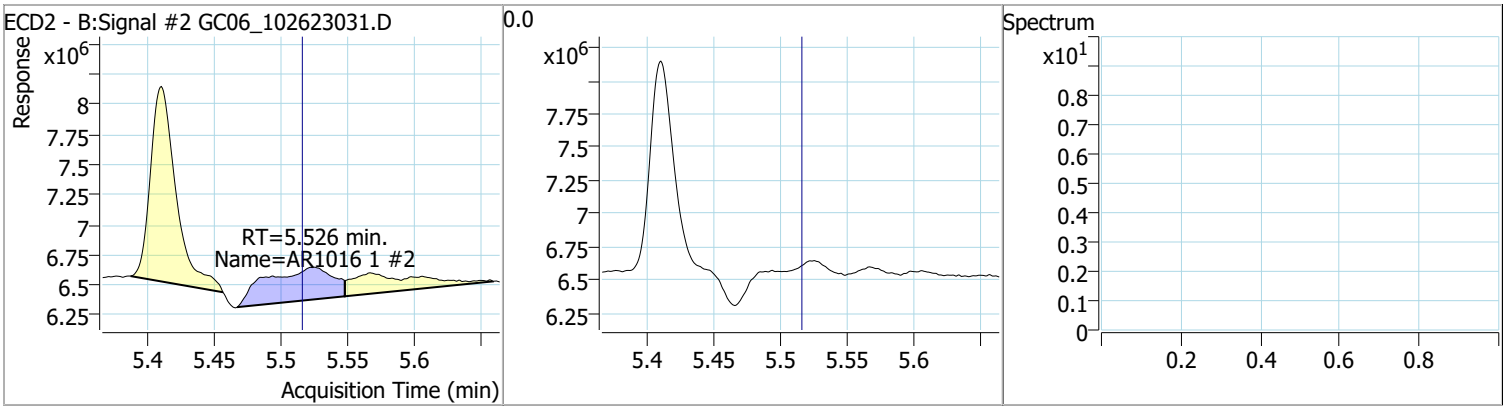
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	147.5445	5.09	0.02	547354				



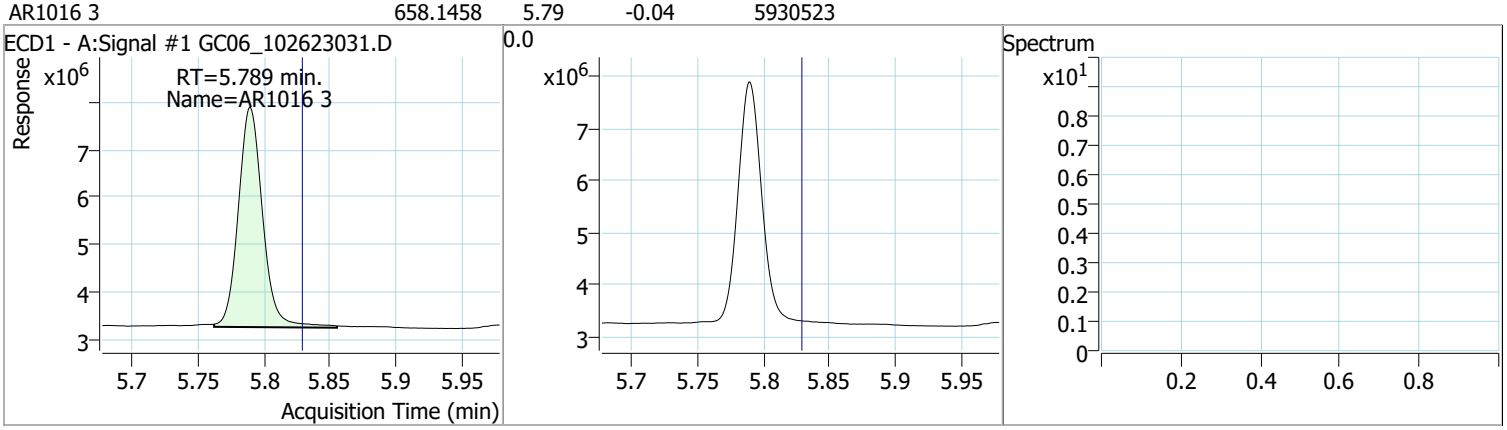
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	44.0912	5.49	0.09	328296				



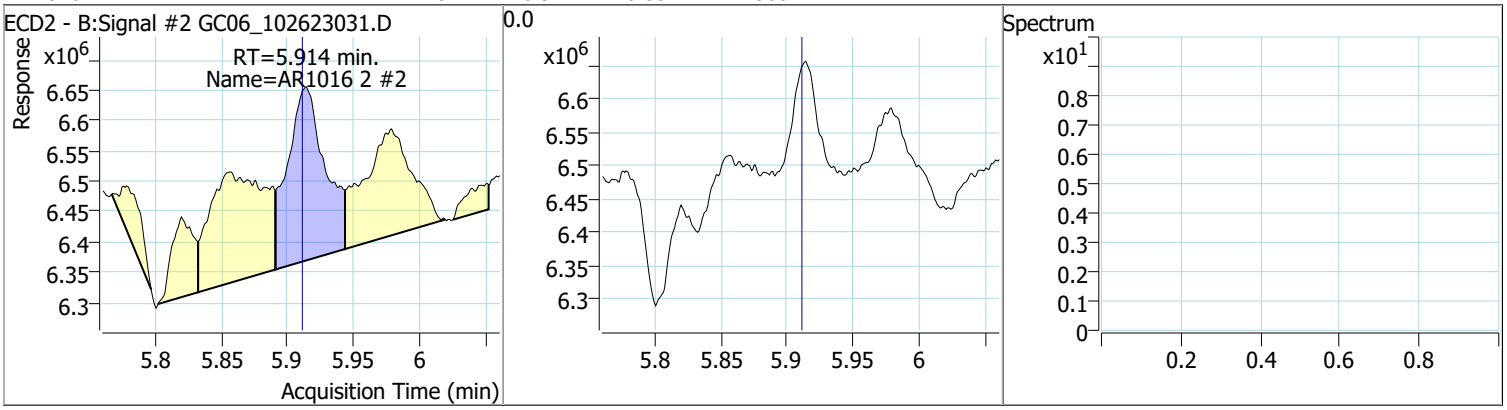
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	84.9215	5.53	0.01	956700				



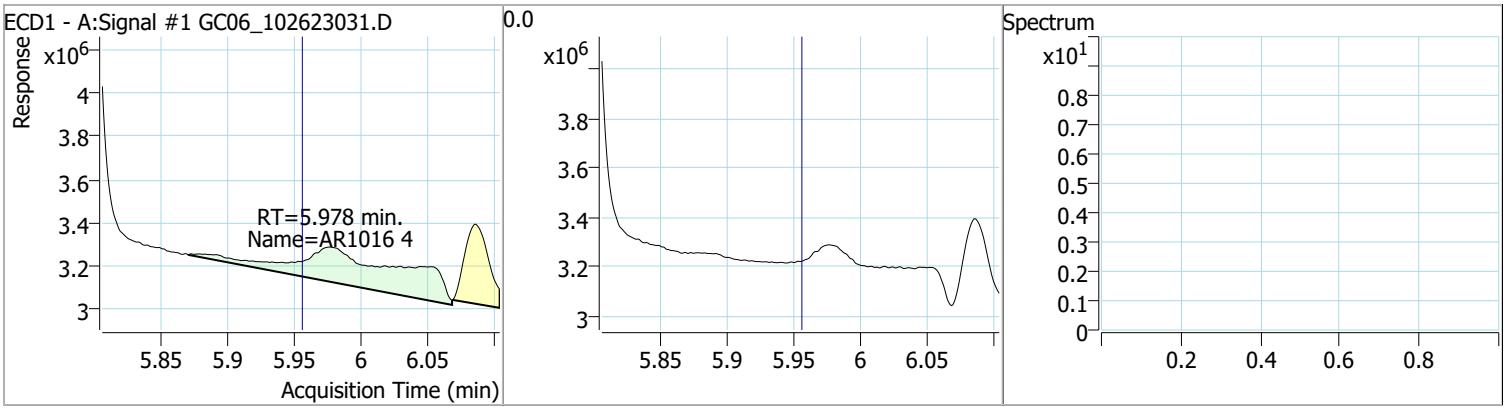
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	658.1458	5.79	-0.04	5930523				



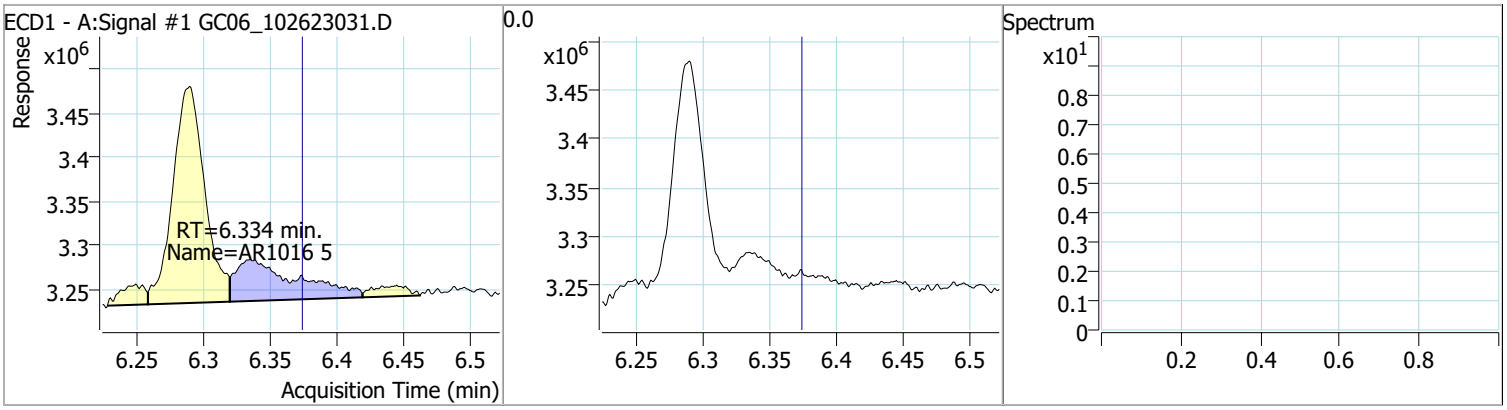
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.1072	5.91	0.00	566774				



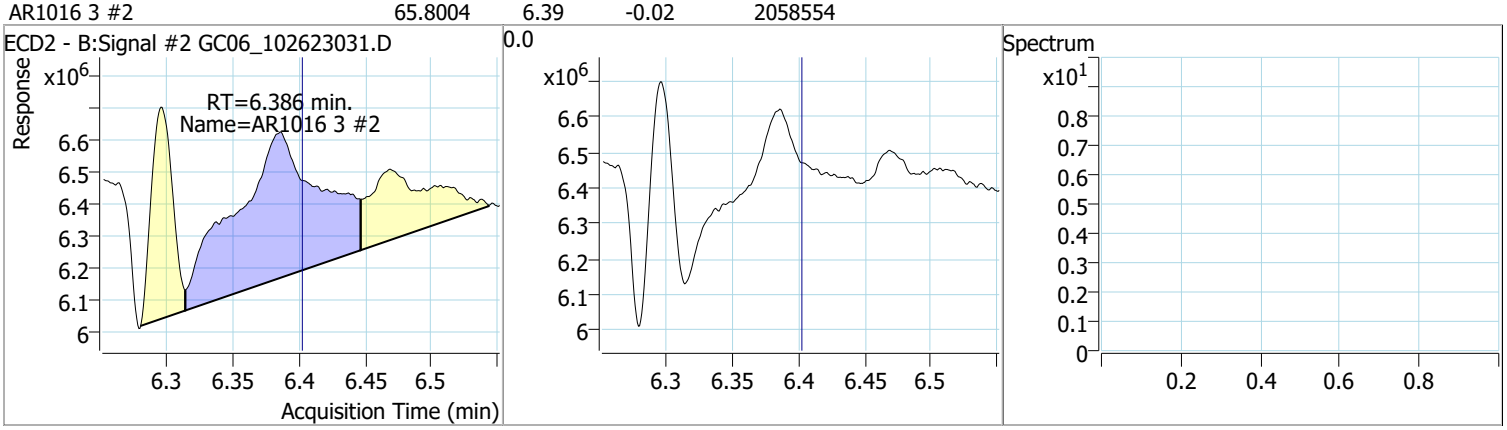
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	167.5239	5.98	0.02	999052				



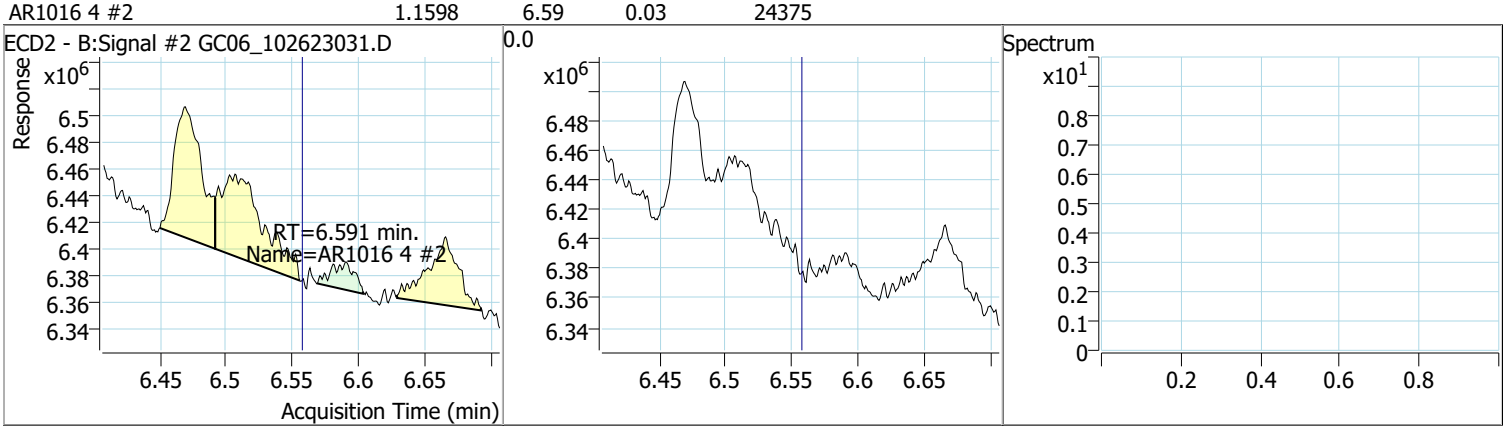
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	28.1526	6.33	-0.04	151082				



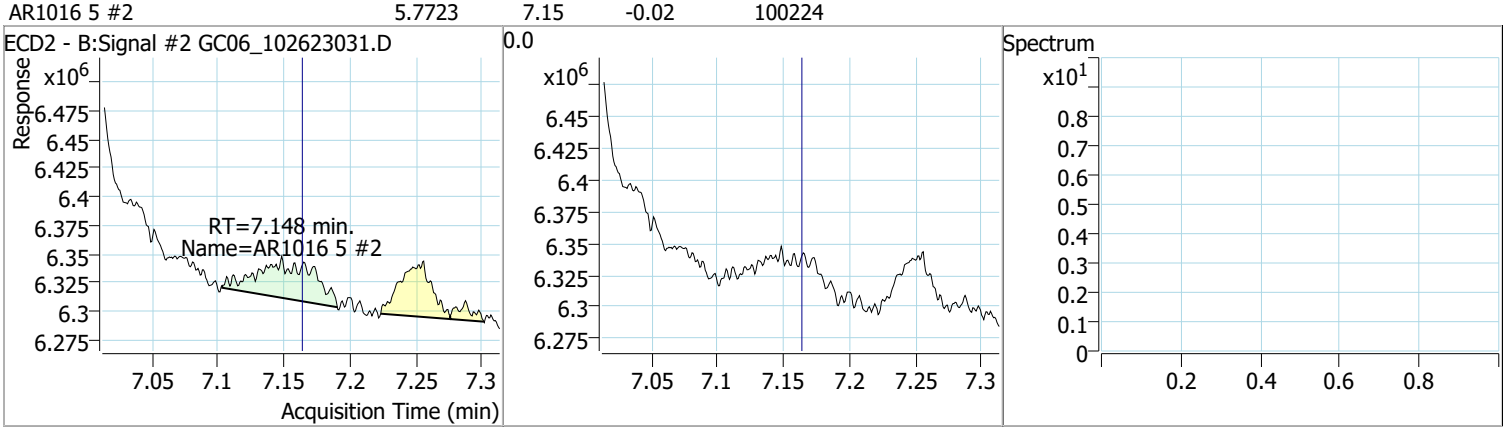
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	65.8004	6.39	-0.02	2058554				



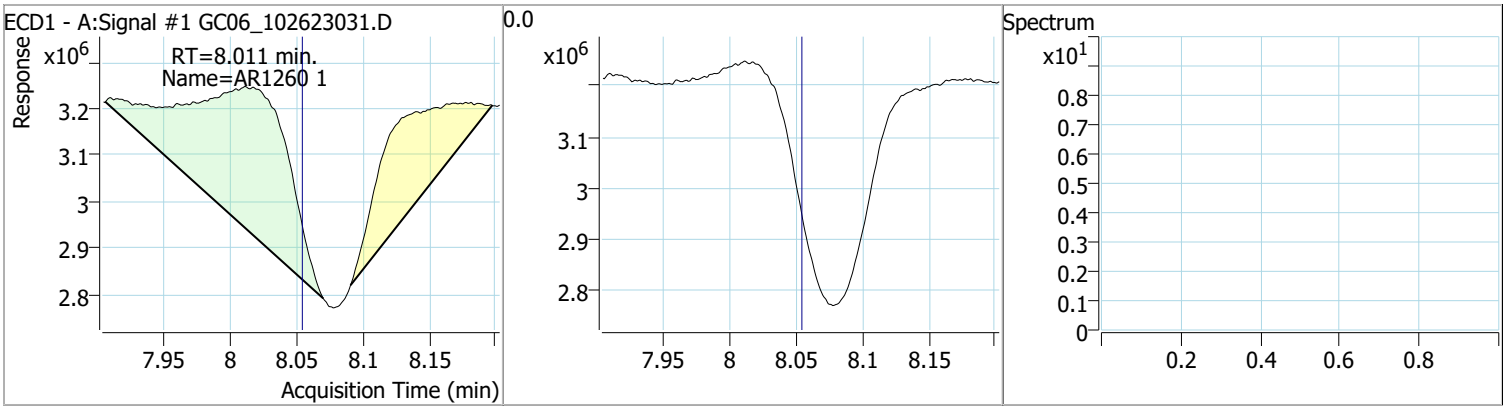
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.1598	6.59	0.03	24375				



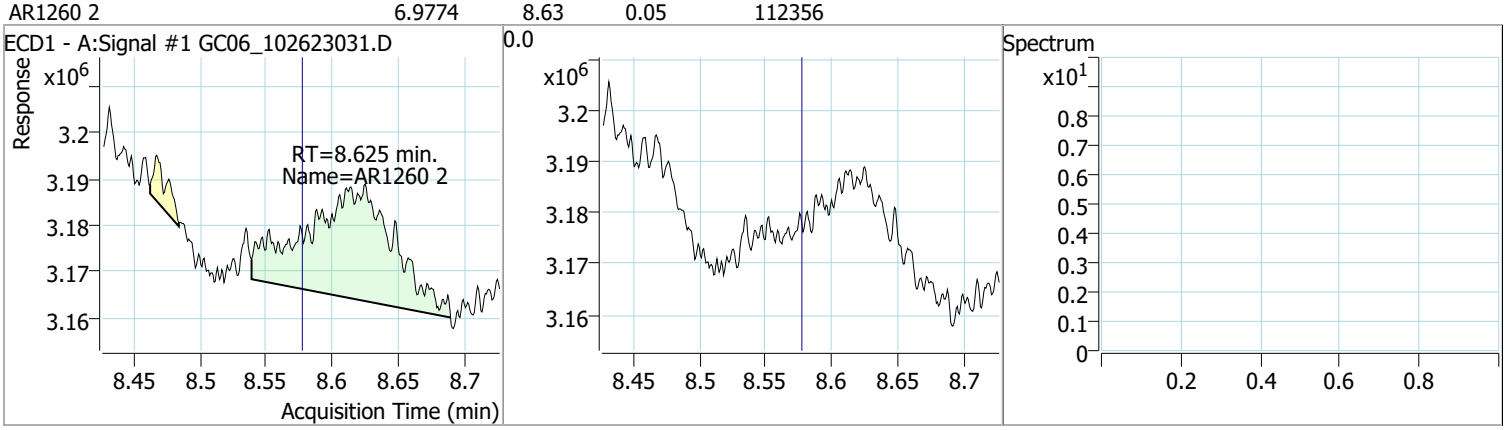
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	5.7723	7.15	-0.02	100224				



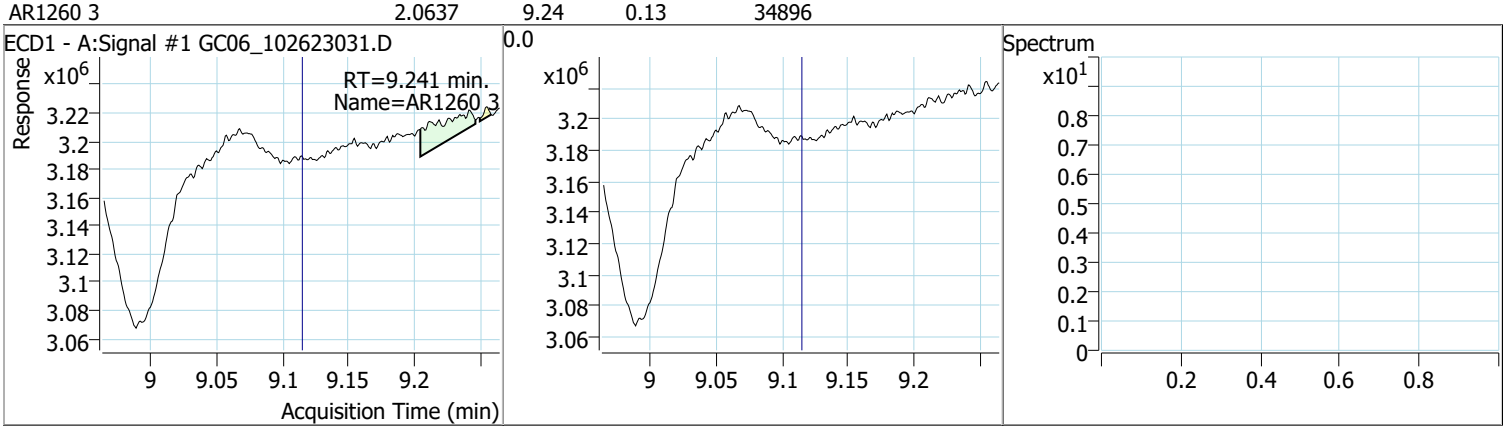
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	157.6977	8.01	-0.04	1629644				



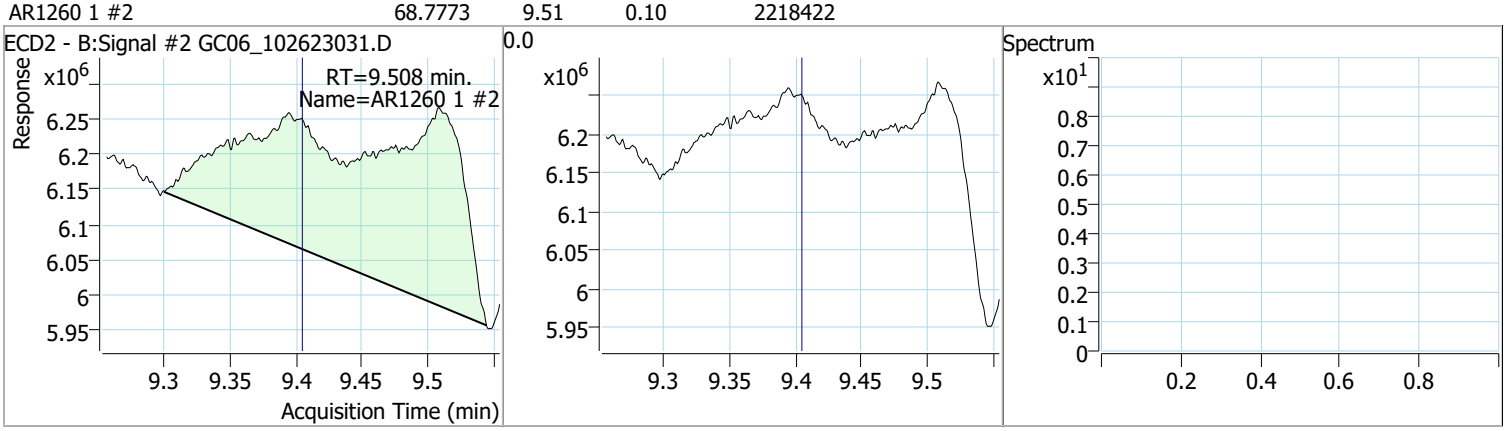
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	6.9774	8.63	0.05	112356				



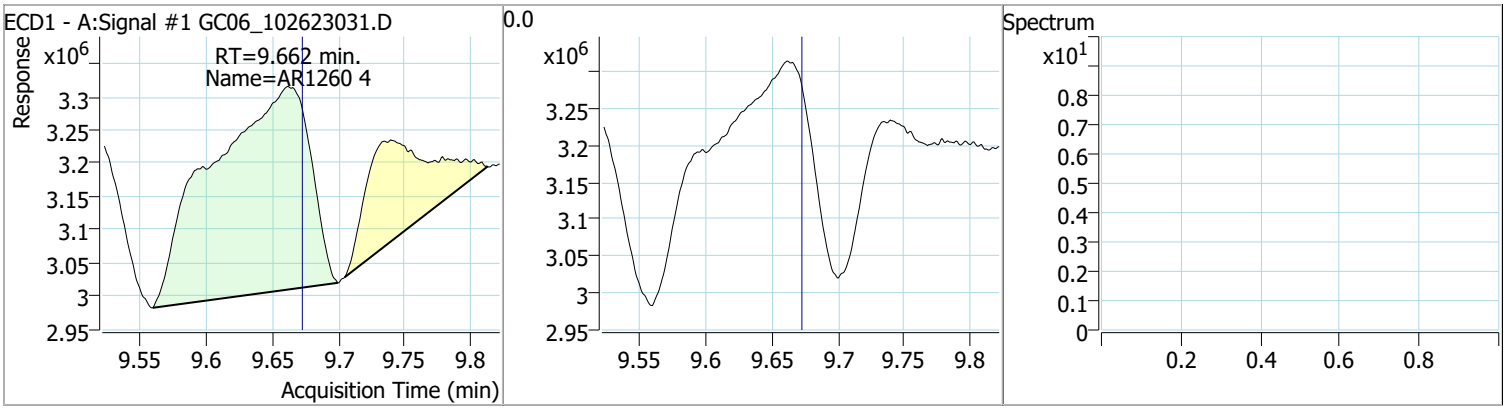
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.0637	9.24	0.13	34896				



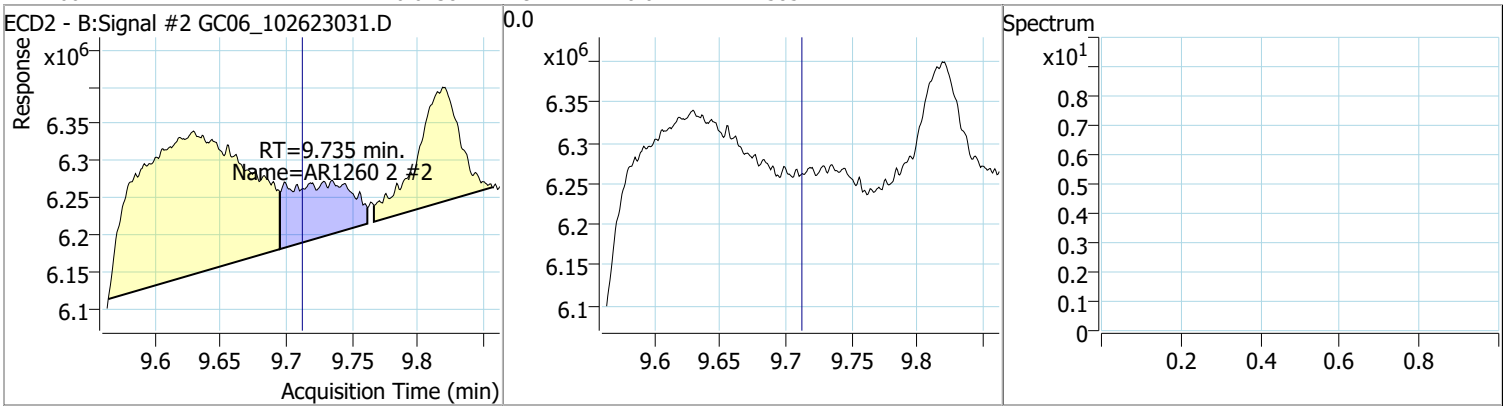
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	68.7773	9.51	0.10	2218422				



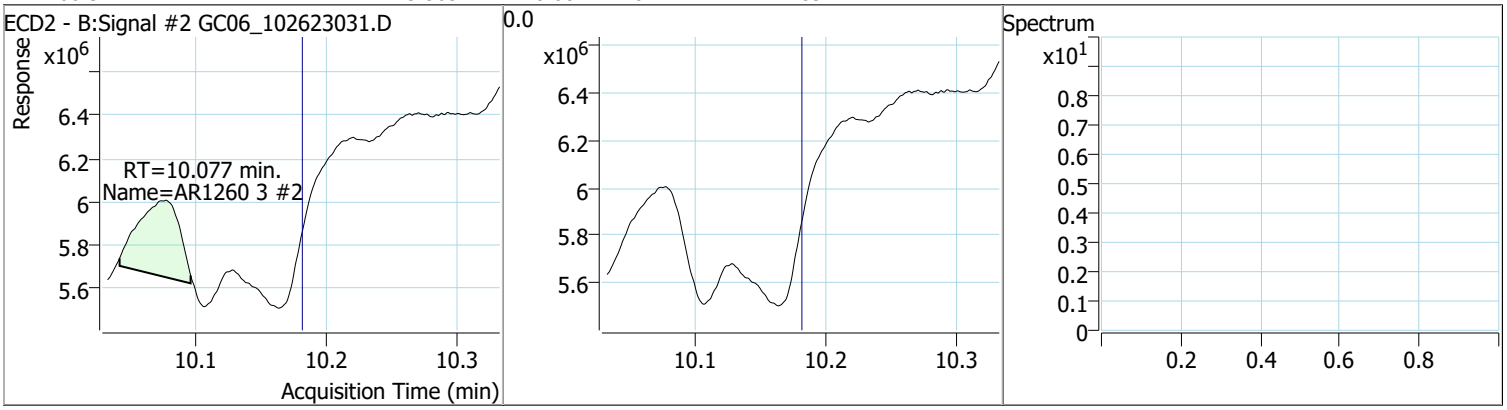
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	180.4258	9.66	-0.01	1603691				



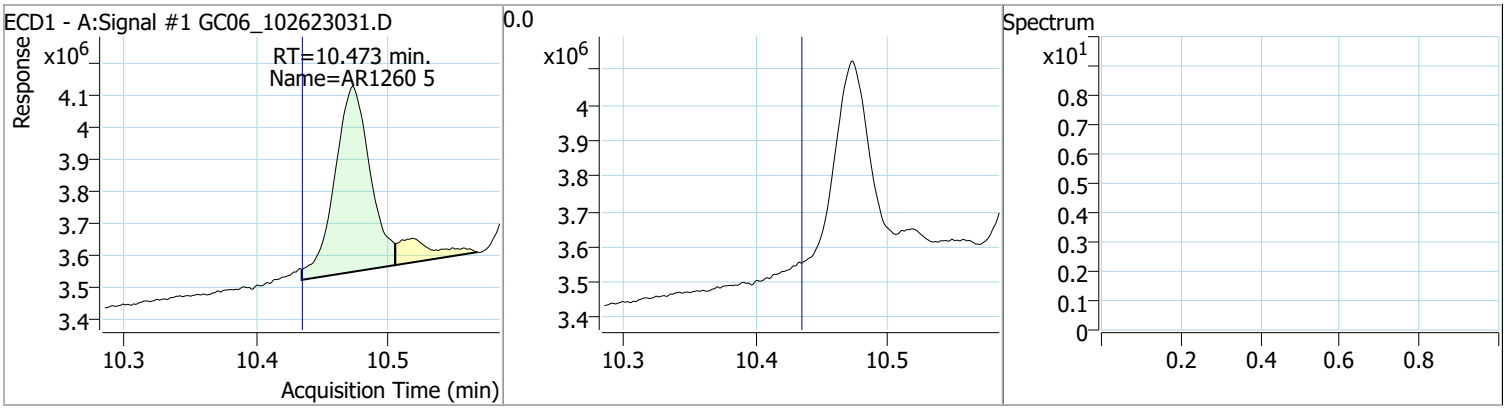
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.6438	9.74	0.02	258547				



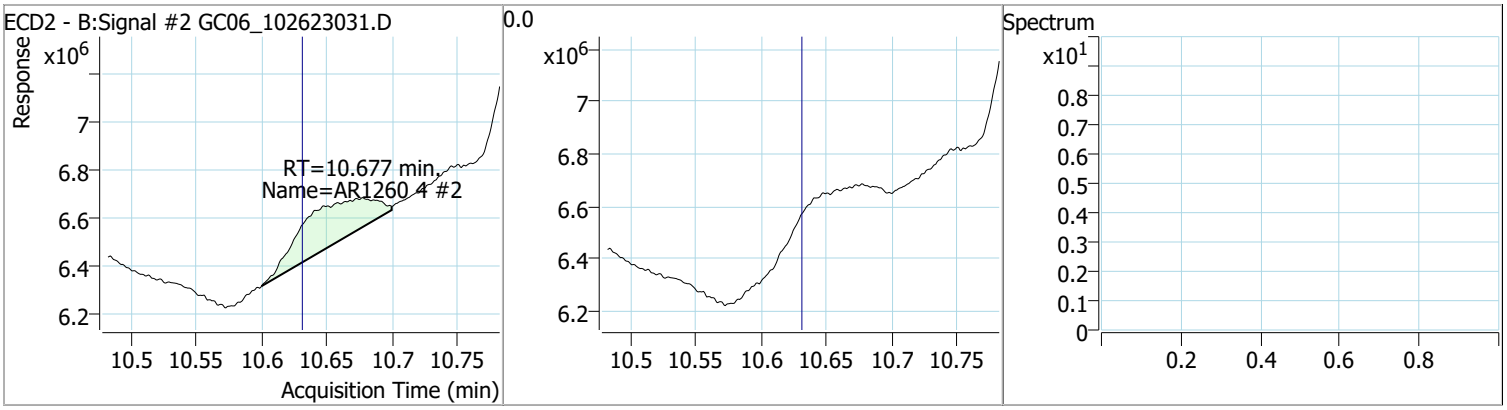
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	15.5652	10.08	-0.11	772159				



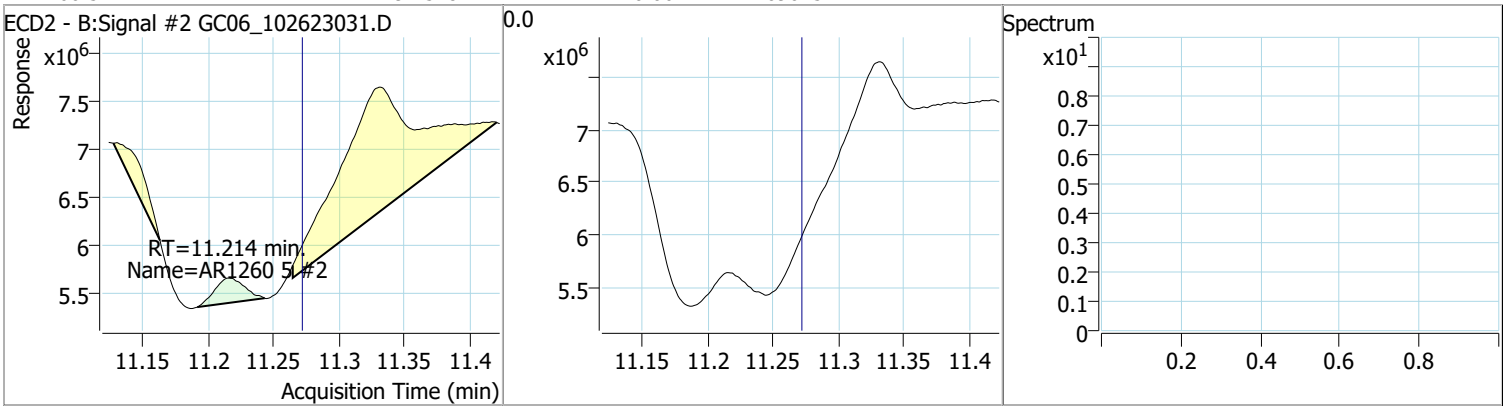
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	95.4026	10.47	0.04	1082050				



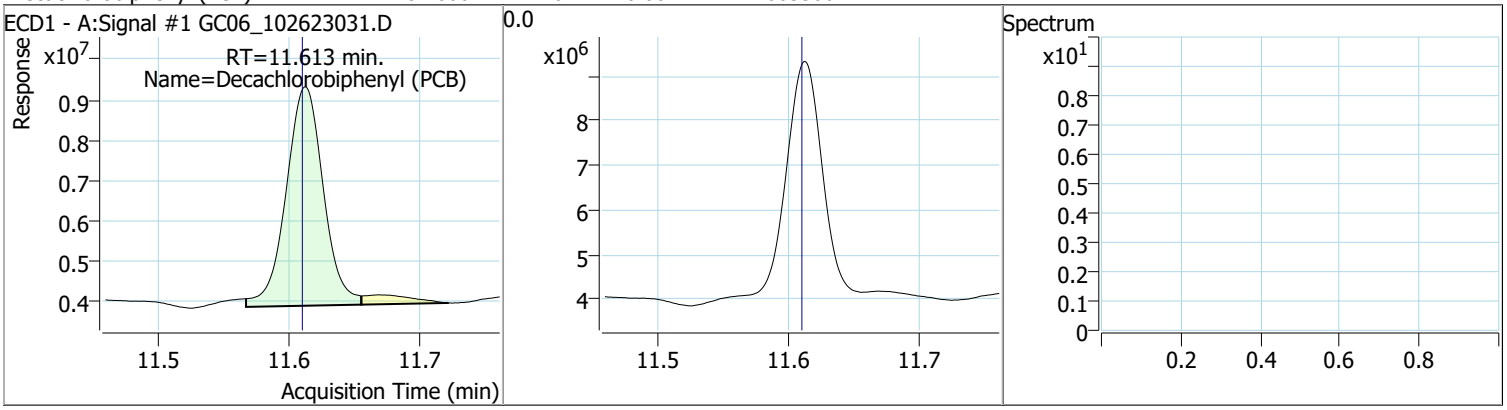
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	21.8432	10.68	0.04	658782				



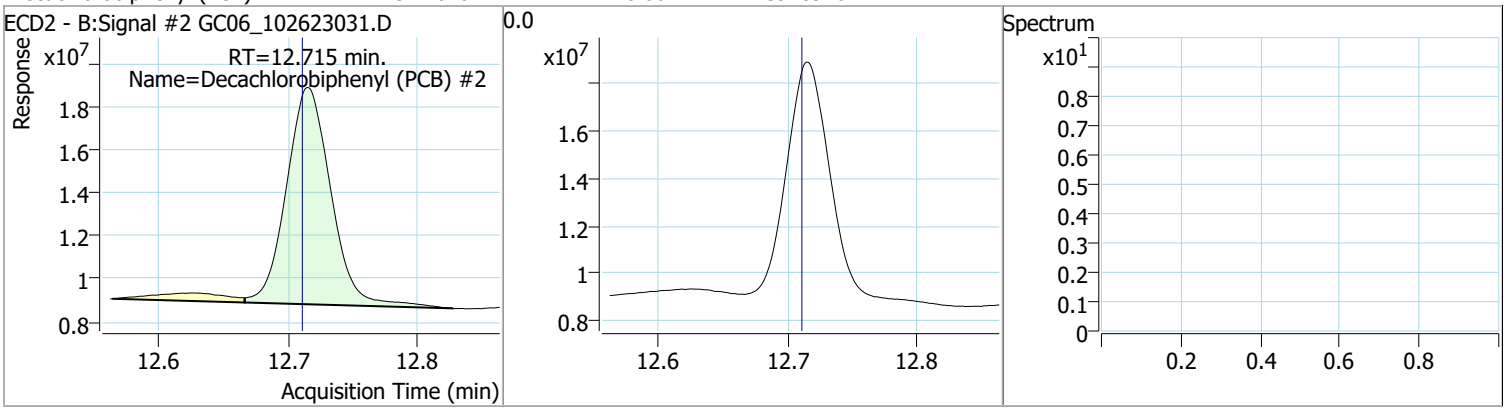
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	9.1518	11.21	-0.06	409075				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	48.7666	11.61	0.00	10633004				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.2018	12.72	0.00	23918920				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	494548-002	Client ID:	AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-DUP-LA
Seqnum:	453431278032	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_102623032	Batch:	325199	Time:	26-OCT-2023 22:18
Cal:	453416704002	Caldate:	16-OCT-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	43.24	ND	0.96	75%	0.50		u
Aroclor-1016 Peak # 1	B	96.93	0.97	1.73	56%			
Aroclor-1016 Peak # 2	B	54.41	0.54	0.34	47%			
Aroclor-1016 Peak # 3	B	60.76	0.61	2.10	110%			
Aroclor-1016 Peak # 4	B	1.404	0.01	0.54	190%			
Aroclor-1016 Peak # 5	B	2.704	0.03	0.07	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	16.53	ND	0.77	129%	0.50		u
Aroclor-1260 Peak # 1	B	61.88	0.62	1.40	77%			
Aroclor-1260 Peak # 2	B	4.741	0.05	0.01	161%			
Aroclor-1260 Peak # 3	B	3.817	0.04	ND				
Aroclor-1260 Peak # 4	B	0.8616	0.01	1.76	198%			
Aroclor-1260 Peak # 5	B	11.37	0.11	0.67	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	35.20	0.5000	0.3520	70	19-121	u
Decachlorobiphenyl (PCB)	B	27.90	0.5000	0.2790	56	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_102623004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	12582513	26.16
1-bromo-2-nitrobenzene (PCB)	A	3468805	3499102	0.87

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_102623004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.15	-0.01
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

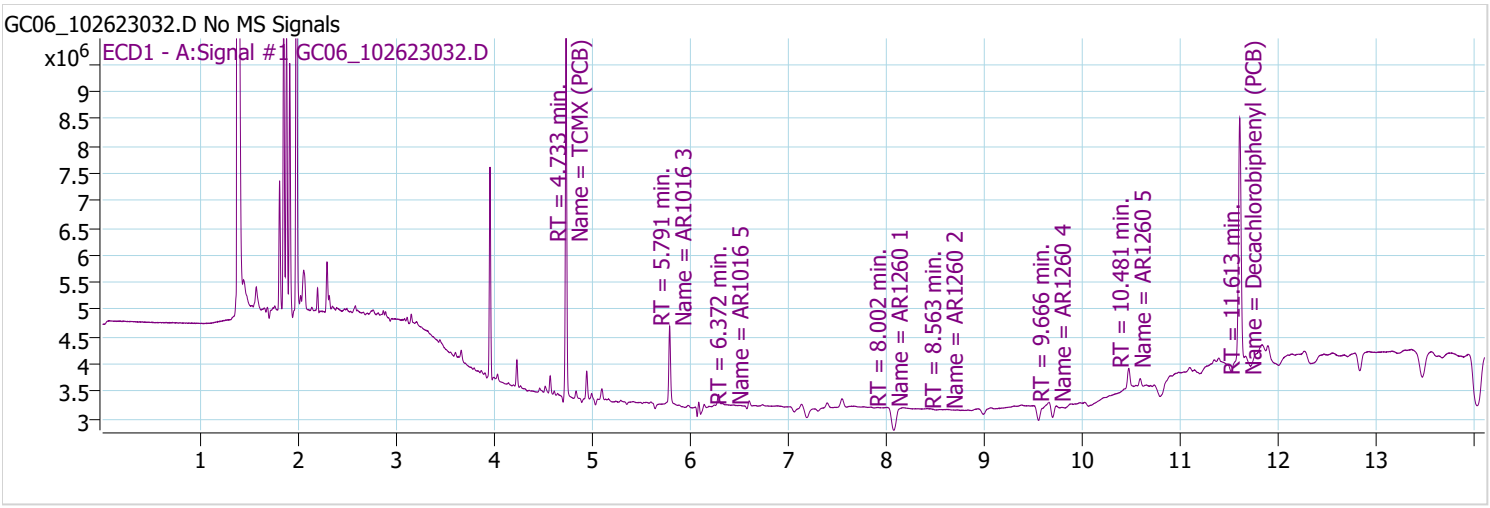
10/27/23 : WIPE/1DM^2-10ML

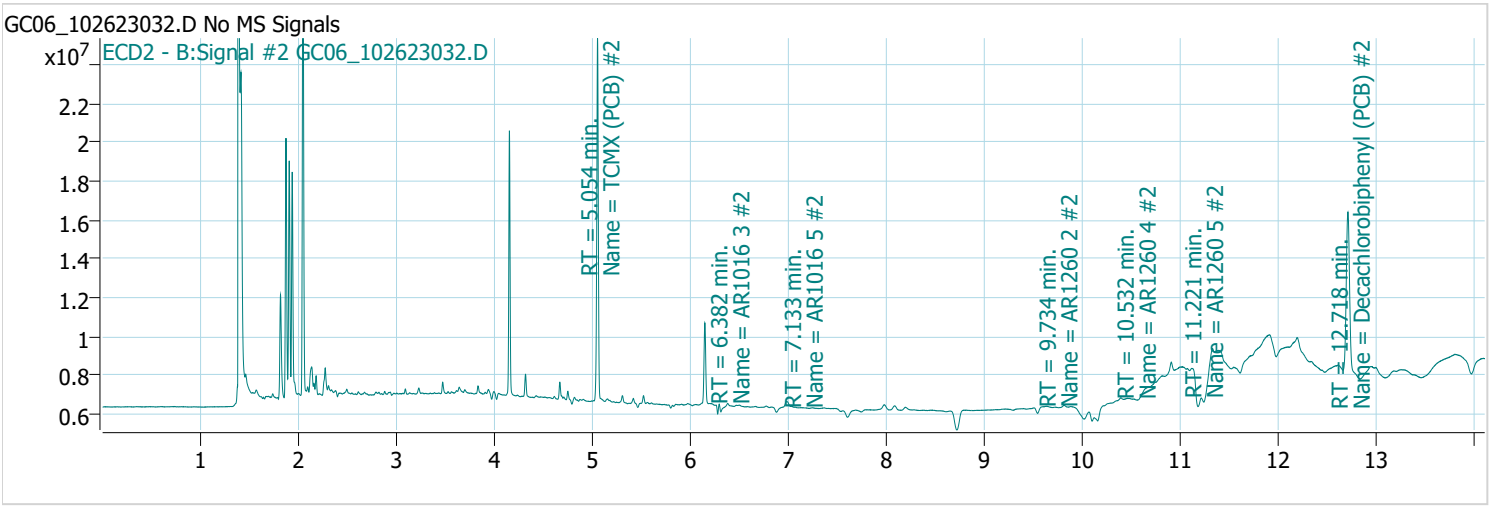
-=low bias c=CCV u=use

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623032.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 10:18:30 PM
Sample Name	494548-002, 325199, 1	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



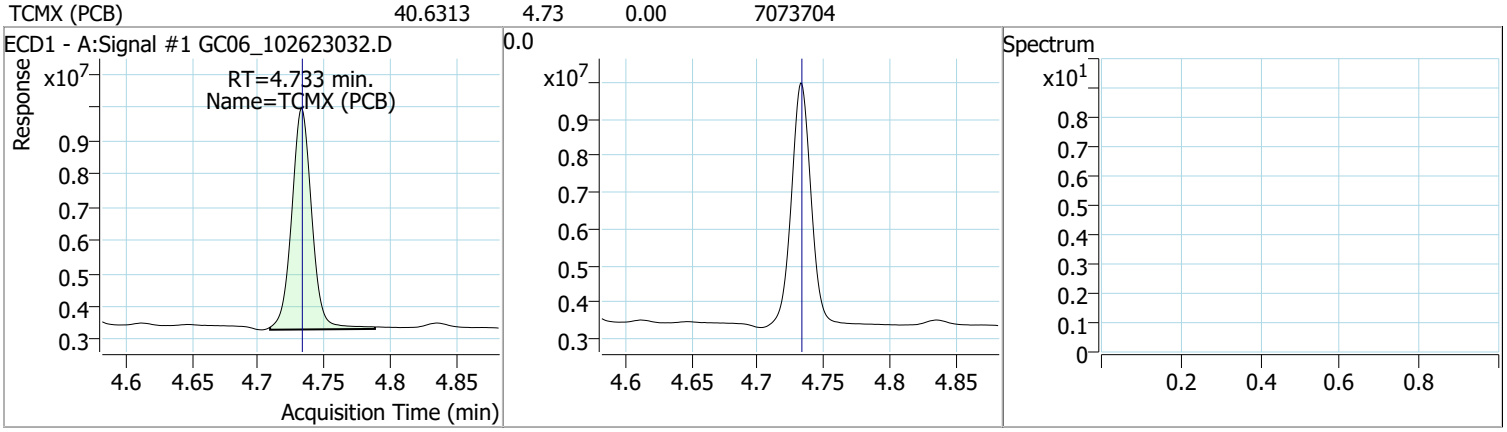


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.956	0.0	3499101.919	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.154	0.0	12582513.171	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	7073704.128	40.6313	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.16%		*	
S TCMX (PCB) #2	5.054	0.0	20819554.423	35.2002	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.00%		*	
S Decachlorobiphenyl (PCB)	11.613	0.0	9039305.308	40.4966	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.48%		*	
S Decachlorobiphenyl (PCB) #2	12.718	0.0	20148523.712	27.8962	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 139.48%			
Target Compounds							QValue

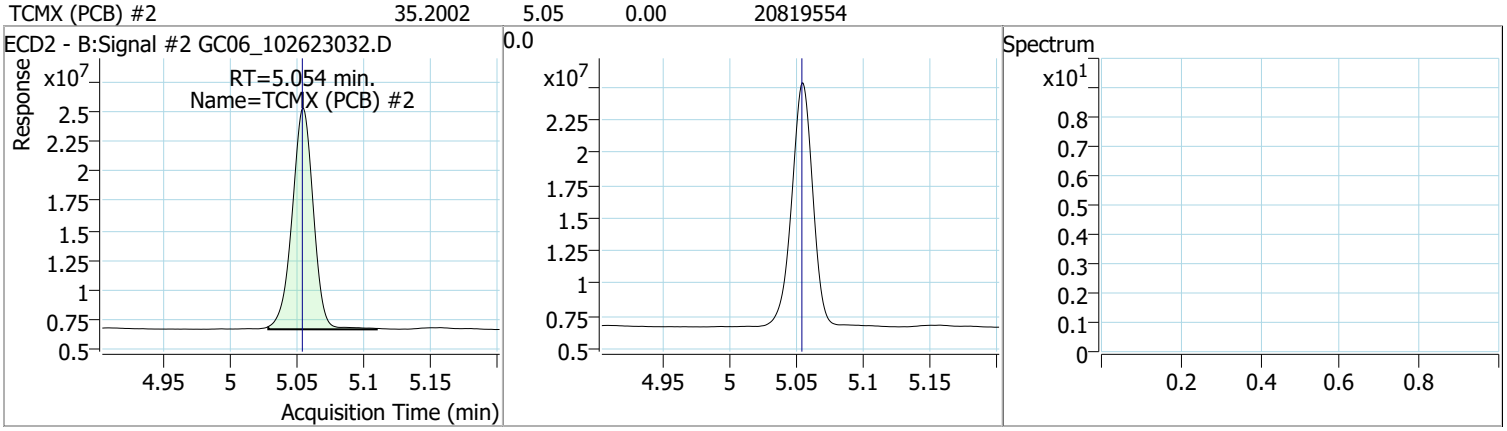
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.098	0.0	656059.104	172.7486	ng/ml	100
T AR1016 2	5.422	0.0	258038.260	33.8522	ng/ml	100
T AR1016 1 #2	5.524	0.0	1127819.234	96.9339	ng/ml	100
T AR1016 3	5.791	0.0	1938735.101	210.1670	ng/ml	100
T AR1016 2 #2	5.975	0.0	1321036.253	54.4059	ng/ml	100
T AR1016 4	6.088	0.0	329399.646	53.9546	ng/ml	100
T AR1016 5	6.372	0.0	39244.115	7.1433	ng/ml	100
T AR1016 3 #2	6.382	0.0	1963182.703	60.7605	ng/ml	100
T AR1016 4 #2	6.588	0.0	30467.466	1.4037	ng/ml	100
T AR1016 5 #2	7.133	0.0	48490.694	2.7042	ng/ml	100
T AR1260 1	8.002	0.0	1476160.990	139.5351	ng/ml	100
T AR1260 2	8.563	0.0	8554.890	0.5190	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.510	0.0	2061506.277	61.8842	ng/ml	100
T AR1260 4	9.666	0.0	1597503.199	175.5644	ng/ml	100
T AR1260 2 #2	9.734	0.0	190535.790	4.7407	ng/ml	100
T AR1260 3 #2	10.127	0.0	195542.549	3.8167	ng/ml	100
T AR1260 5	10.481	0.0	781994.519	67.3494	ng/ml	100
T AR1260 4 #2	10.532	0.0	26838.790	0.8617	ng/ml	100
T AR1260 5 #2	11.221	0.0	524959.115	11.3717	ng/ml	100

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

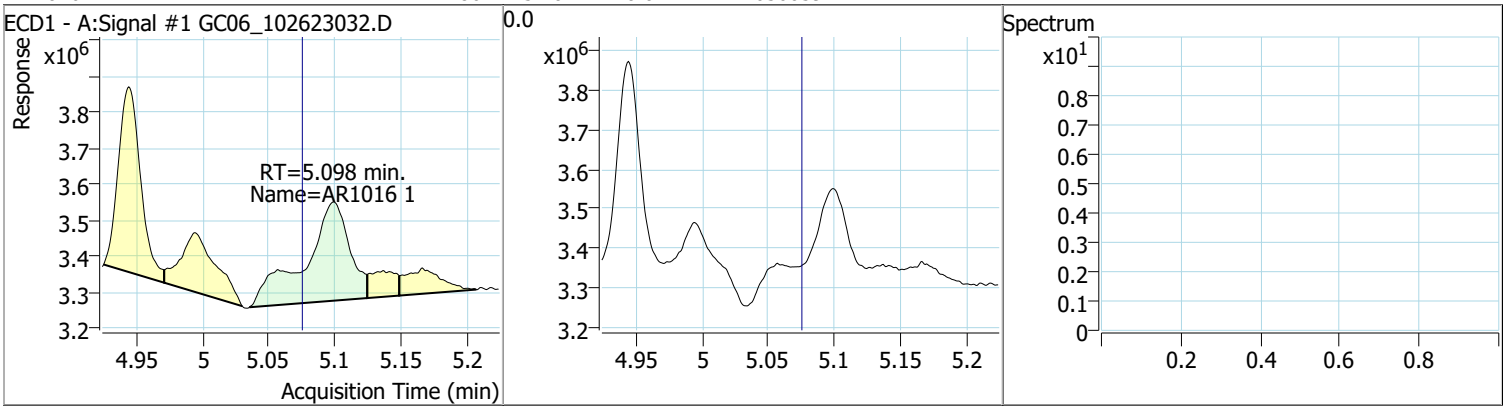
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.6313	4.73	0.00	7073704				



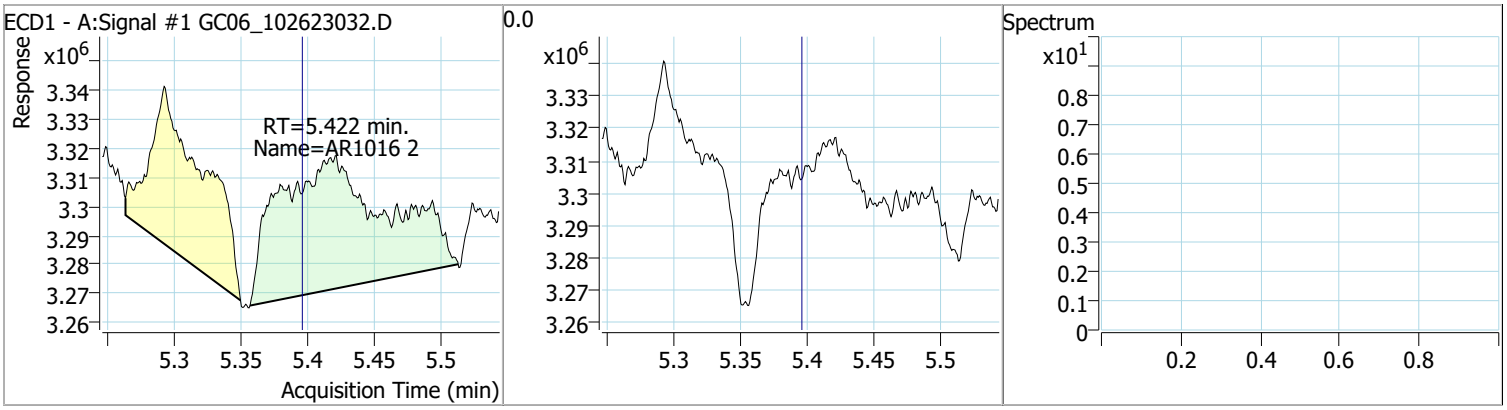
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.2002	5.05	0.00	20819554				



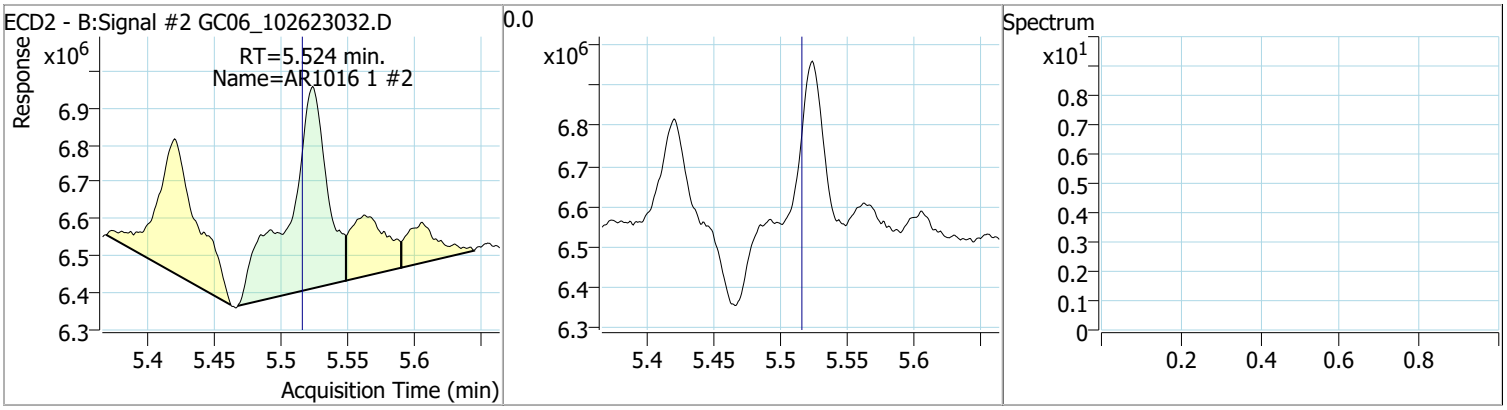
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	172.7486	5.10	0.02	656059				



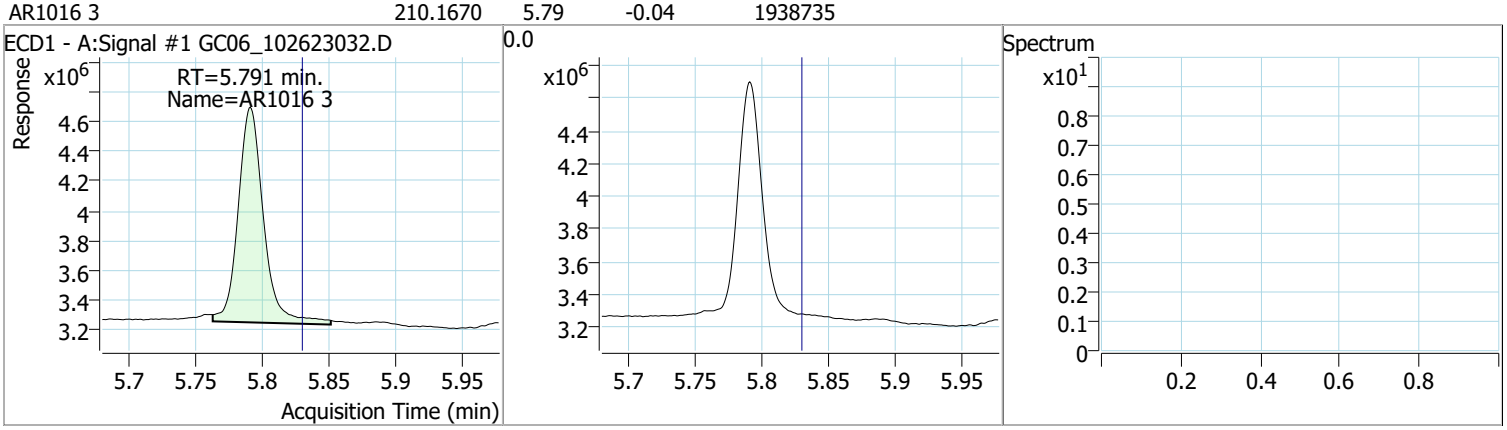
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	33.8522	5.42	0.03	258038				



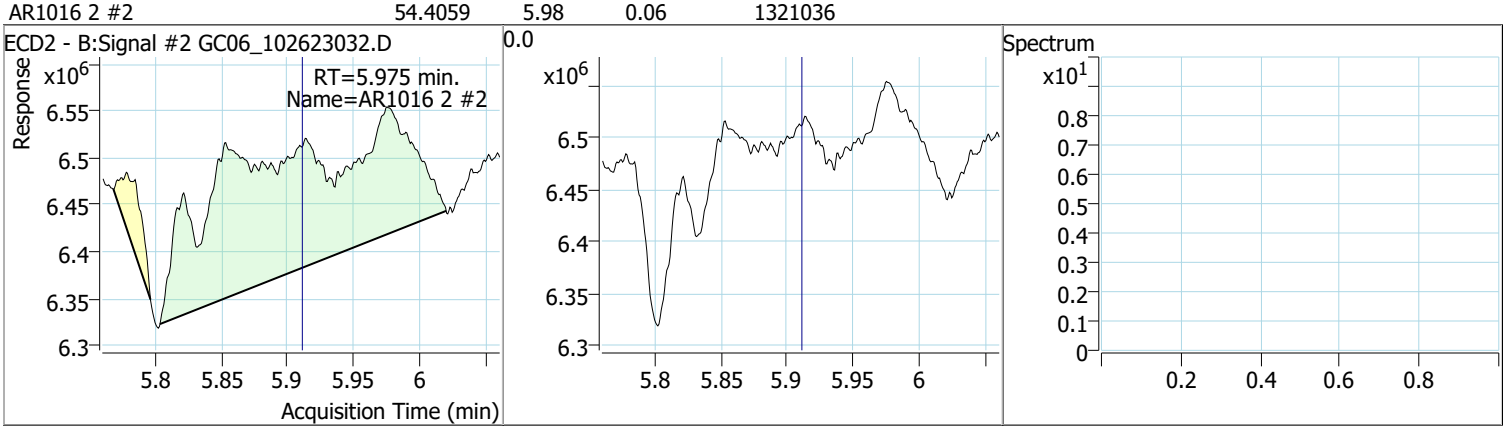
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	96.9339	5.52	0.01	1127819				



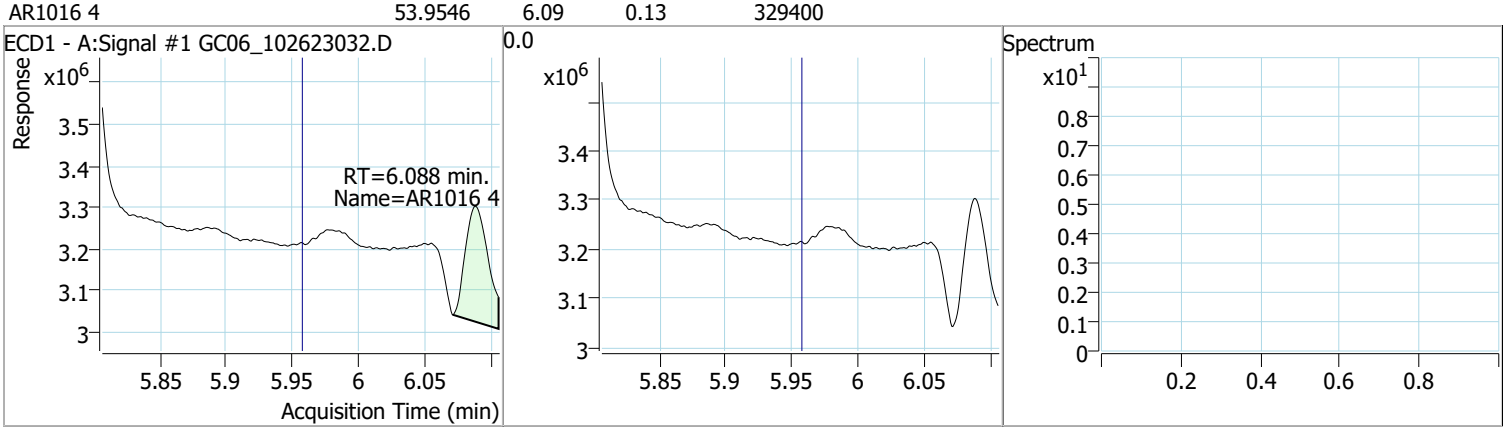
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	210.1670	5.79	-0.04	1938735				



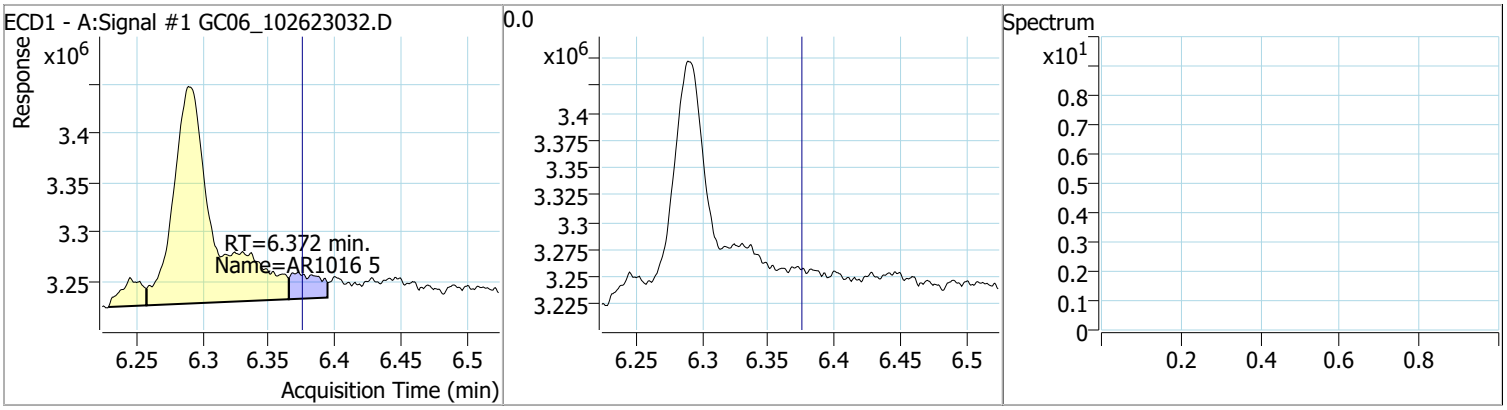
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.4059	5.98	0.06	1321036				



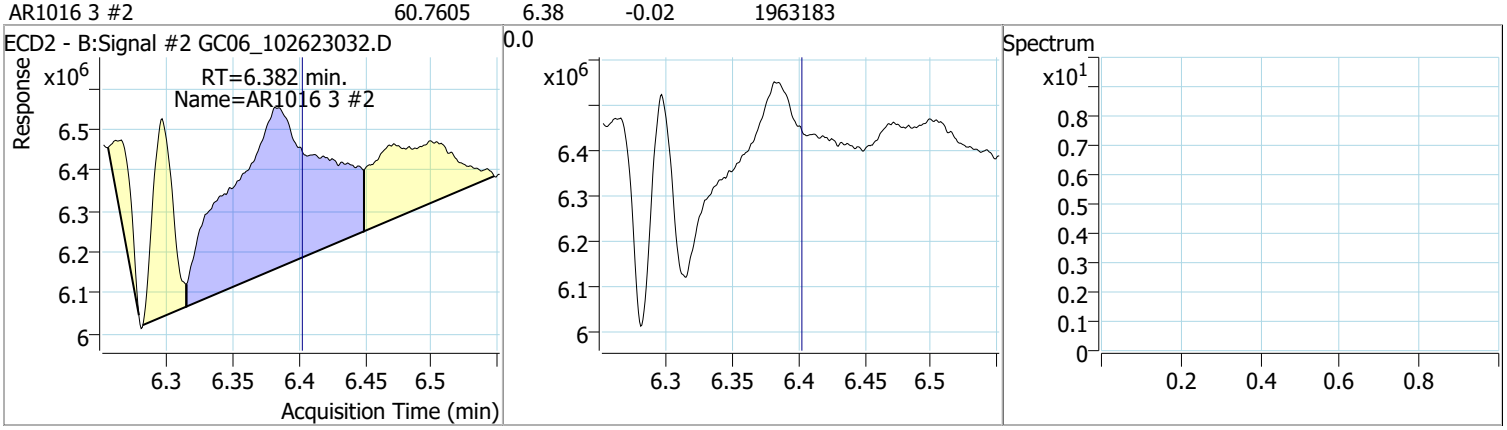
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	53.9546	6.09	0.13	329400				



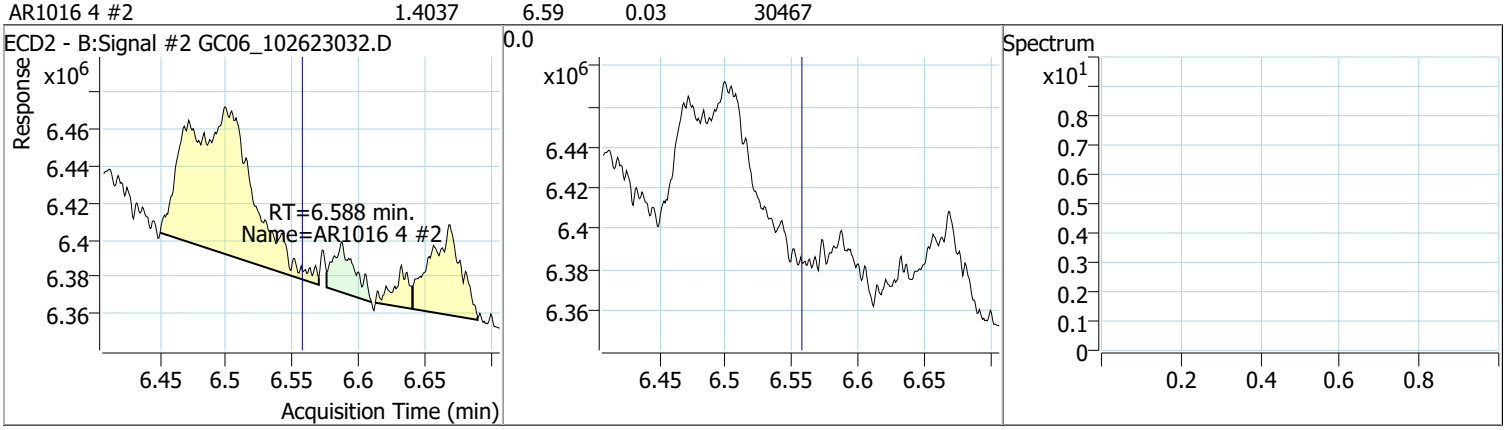
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.1433	6.37	0.00	39244				



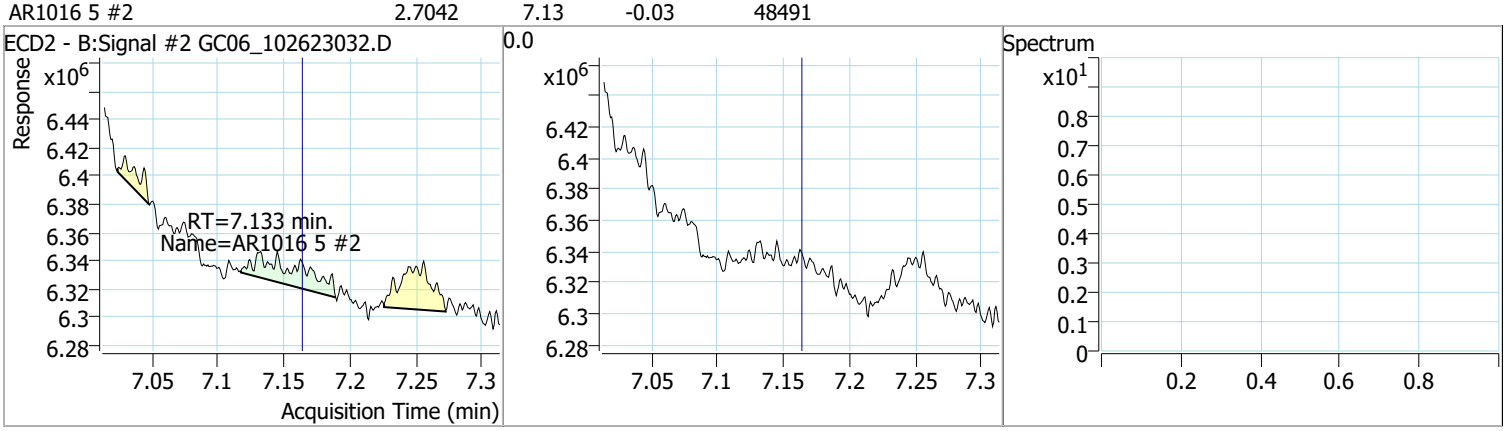
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	60.7605	6.38	-0.02	1963183				



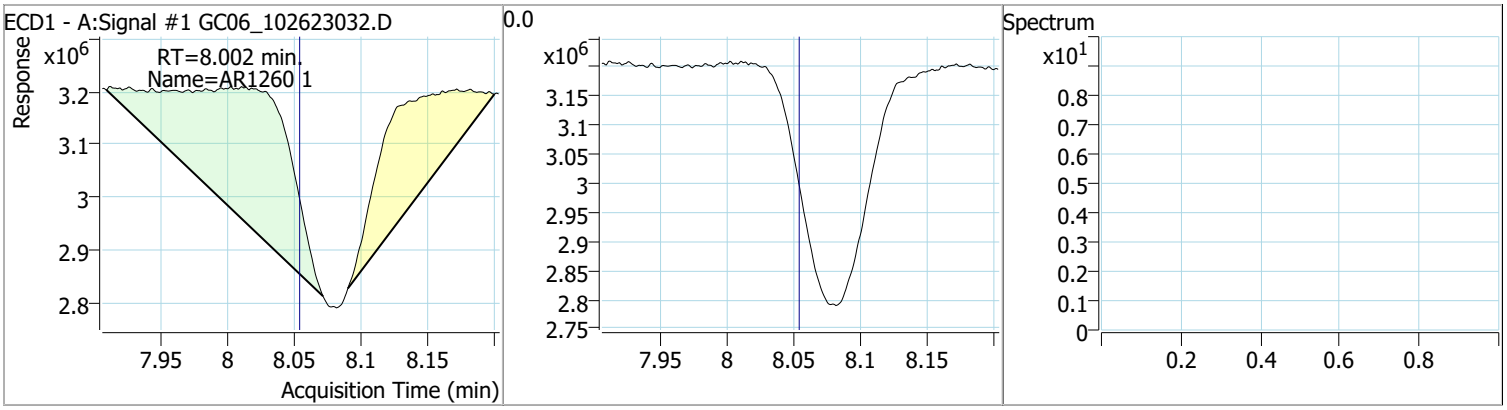
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.4037	6.59	0.03	30467				



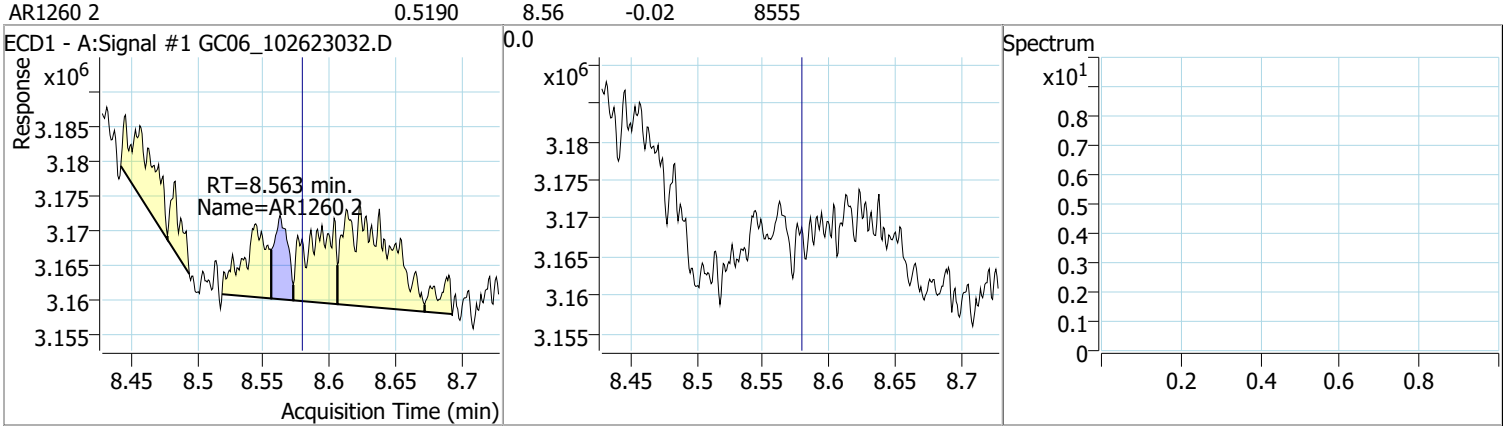
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.7042	7.13	-0.03	48491				



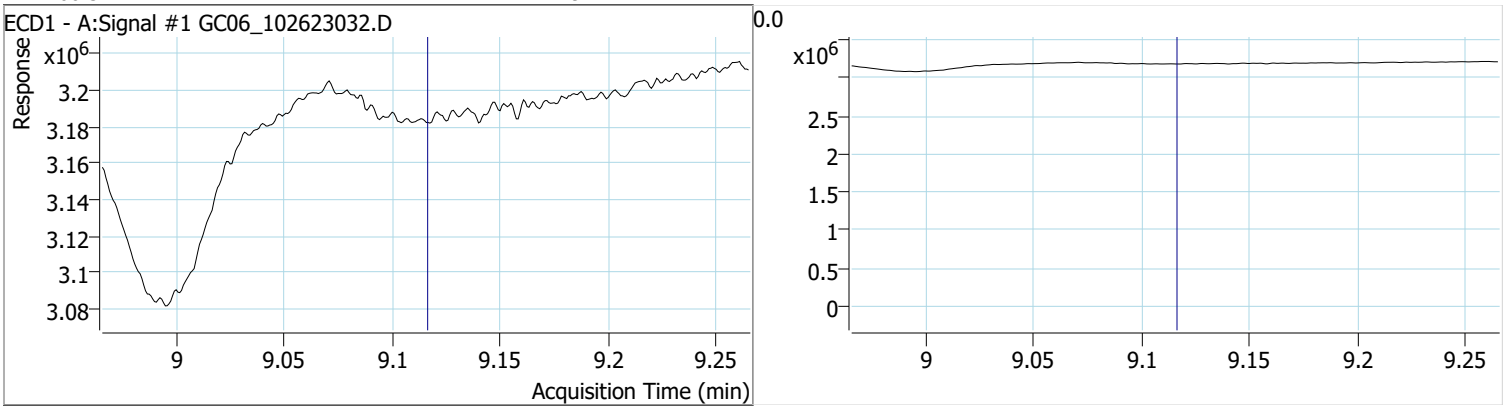
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	139.5351	8.00	-0.05	1476161				



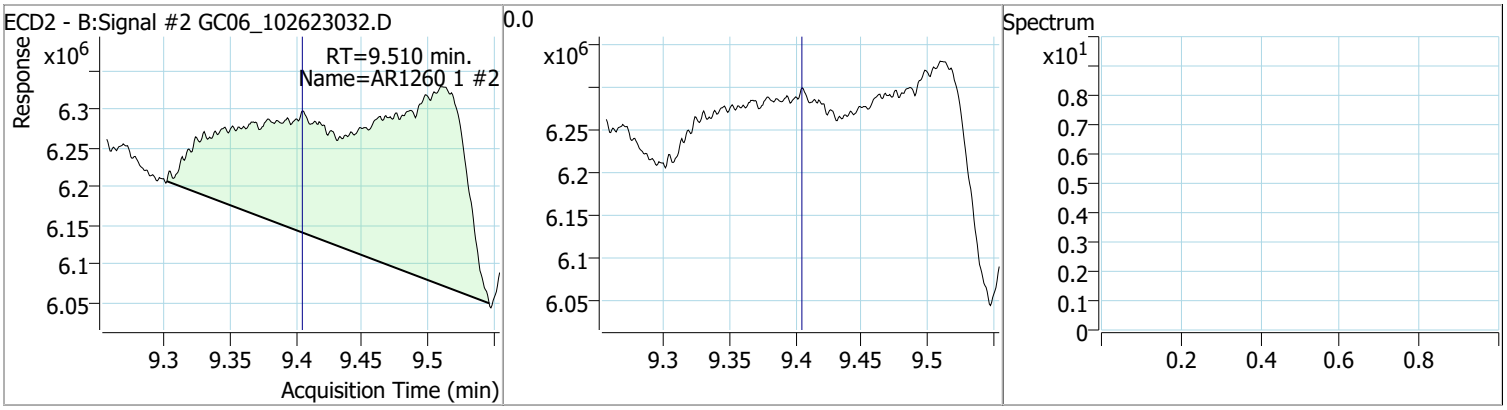
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.5190	8.56	-0.02	8555				



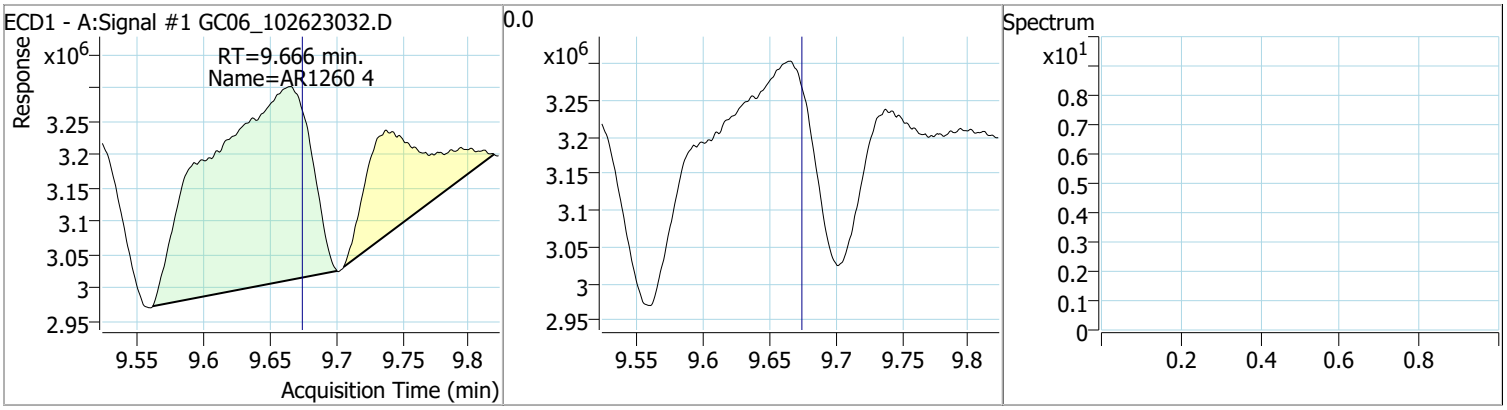
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.12		



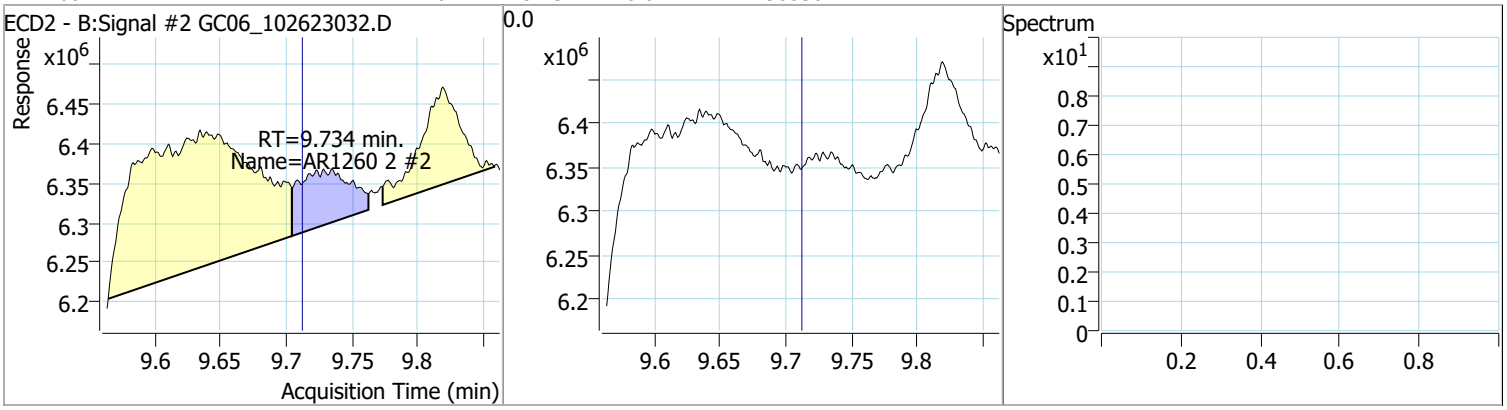
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	61.8842	9.51	0.10	2061506				



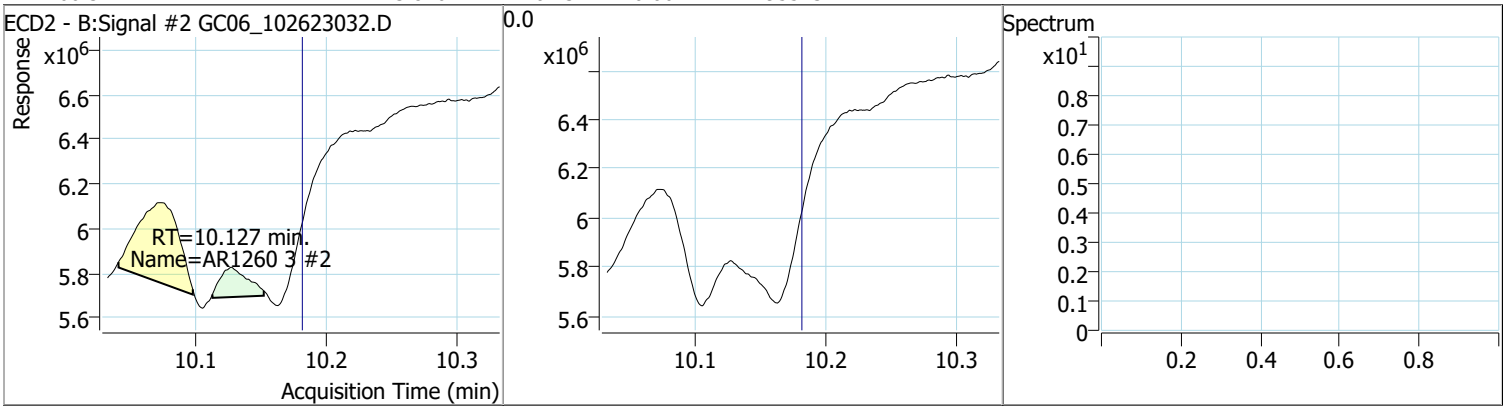
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	175.5644	9.67	-0.01	1597503				



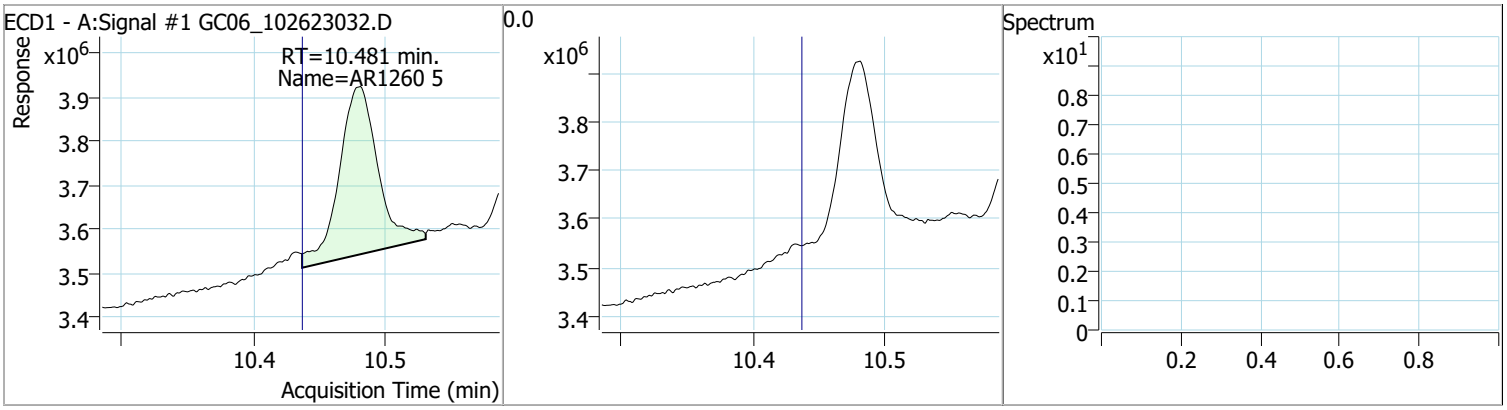
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.7407	9.73	0.02	190536				



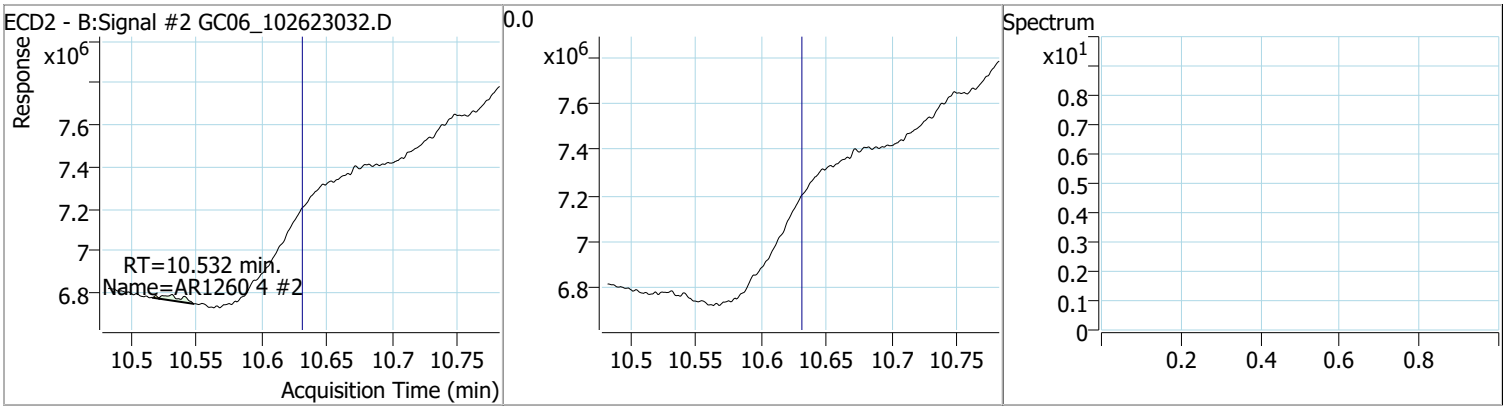
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.8167	10.13	-0.06	195543				



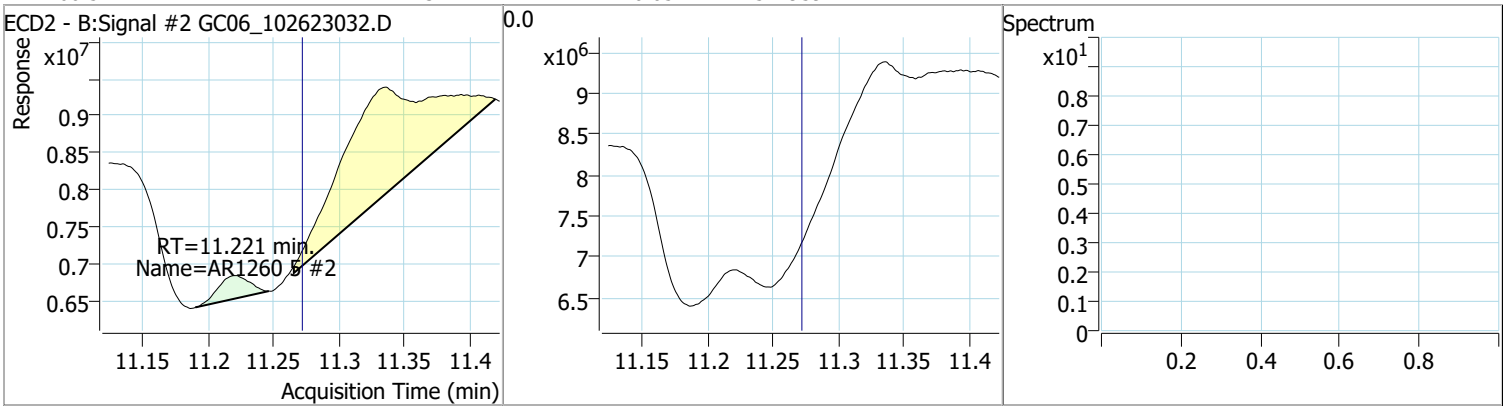
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	67.3494	10.48	0.05	781995				



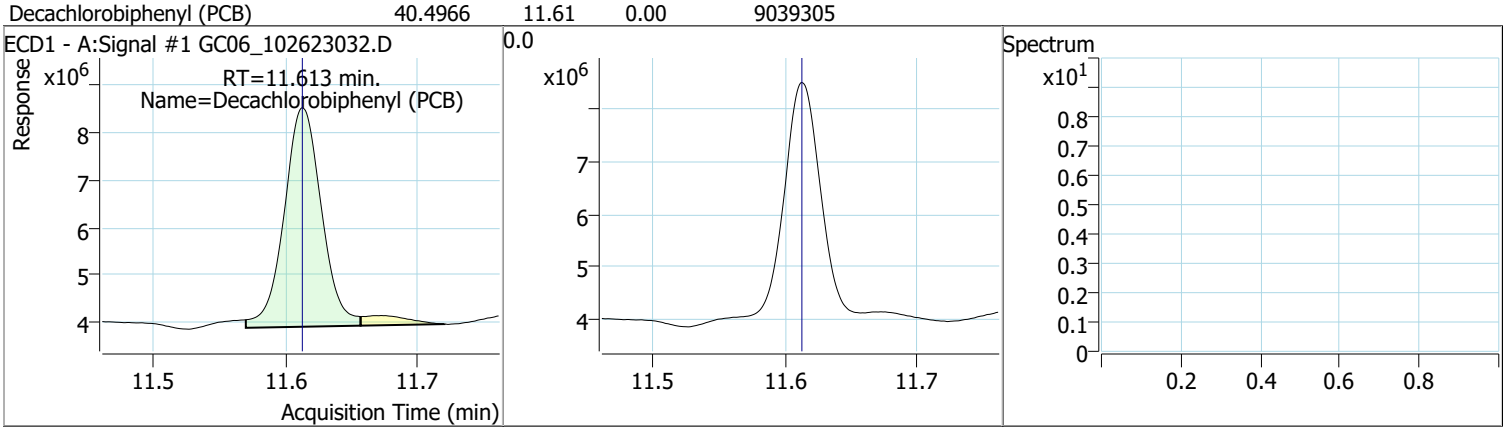
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.8617	10.53	-0.10	26839				



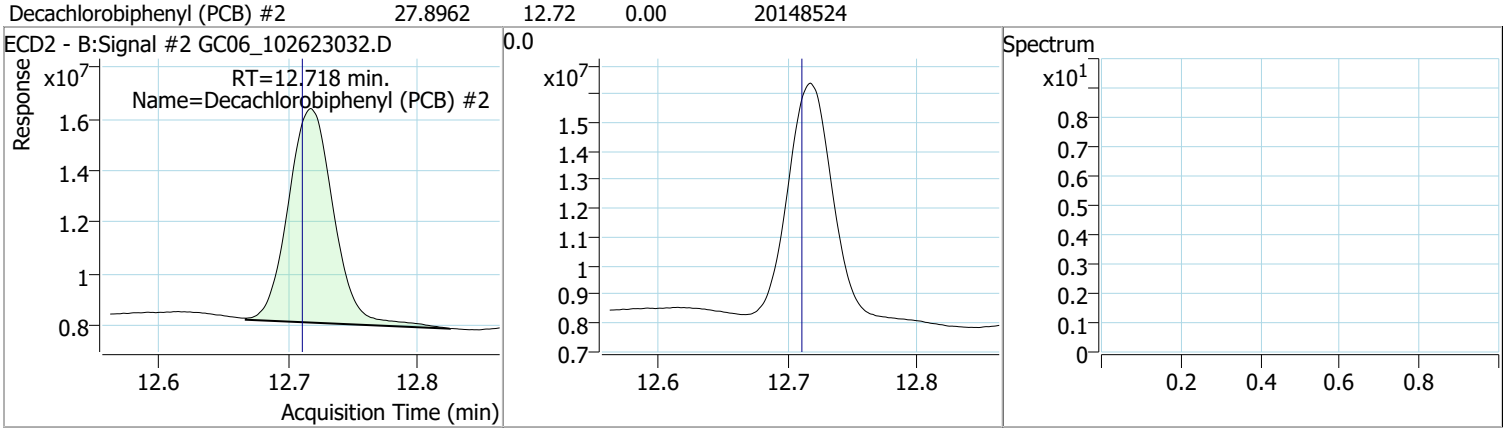
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	11.3717	11.22	-0.05	524959				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.4966	11.61	0.00	9039305				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.8962	12.72	0.00	20148524				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	494548-004	Client ID:	AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-P-LA
Seqnum:	453431278033	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_102623033	Batch:	325199	Time:	26-OCT-2023 22:38
Cal:	453416704002	Caldate:	16-OCT-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	43.92	ND	1.6	112%	0.50		u
Aroclor-1016 Peak # 1	B	112.4	1.12	1.40	22%			
Aroclor-1016 Peak # 2	B	52.84	0.53	0.49	8%			
Aroclor-1016 Peak # 3	B	52.09	0.52	5.02	162%			
Aroclor-1016 Peak # 4	B	1.151	0.01	0.77	194%			
Aroclor-1016 Peak # 5	B	1.159	0.01	0.09	155%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	15.24	ND	0.87	141%	0.50		u
Aroclor-1260 Peak # 1	B	28.57	0.29	1.53	137%			
Aroclor-1260 Peak # 2	B	6.558	0.07	0.06	1%			
Aroclor-1260 Peak # 3	B	10.71	0.11	ND				
Aroclor-1260 Peak # 4	B	21.12	0.21	1.82	158%			
Aroclor-1260 Peak # 5	B	9.239	0.09	0.95	165%			
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	42.22	0.5000	0.4222	84	19-121	u
Decachlorobiphenyl (PCB)	B	34.84	0.5000	0.3484	70	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_102623004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	12513020	25.46
1-bromo-2-nitrobenzene (PCB)	A	3468805	3374490	-2.72

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_102623004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

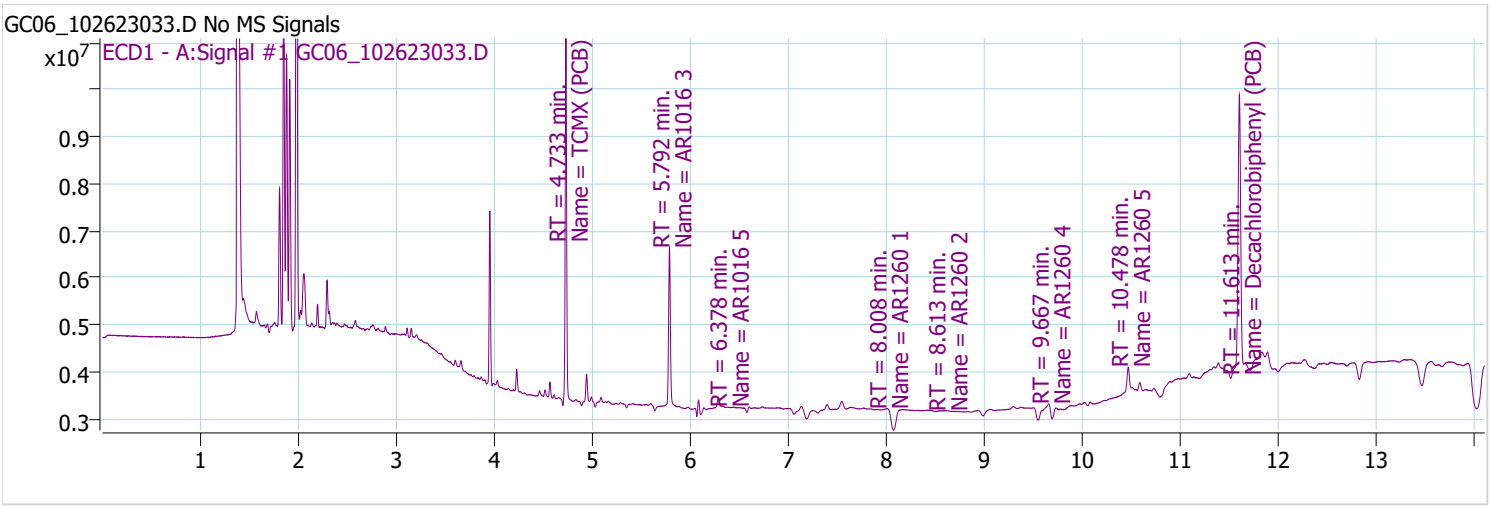
10/27/23 : WIPE/1DM^2-10ML

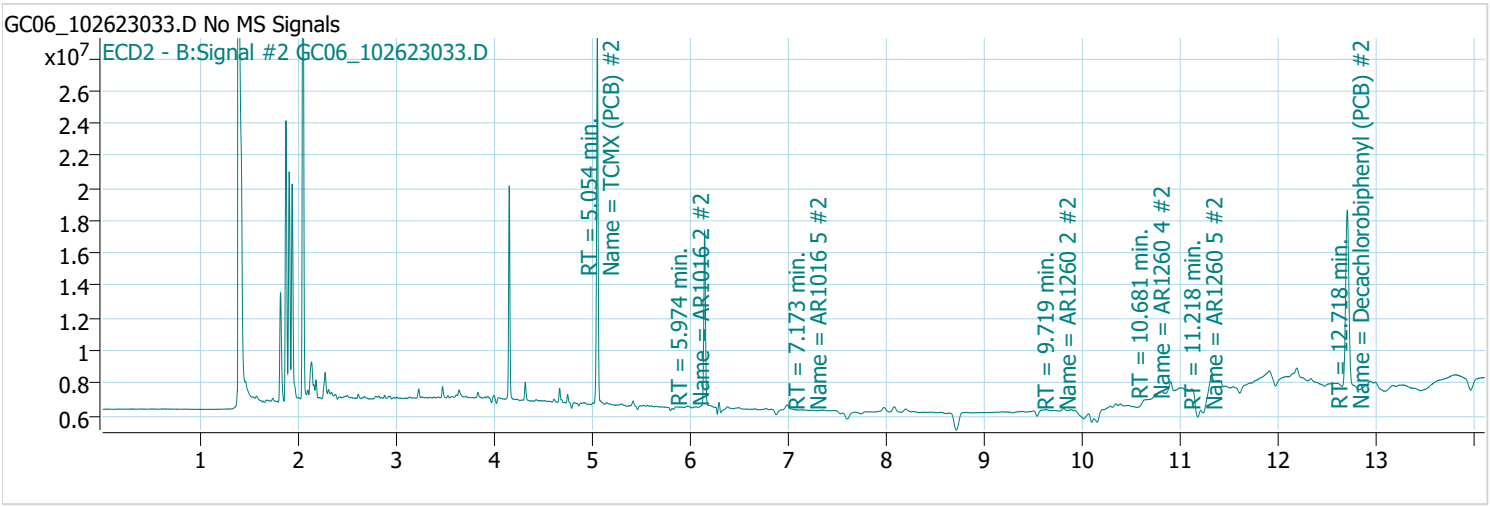
-=low bias c=CCV u=use

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623033.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 10:38:25 PM
Sample Name	494548-004, 325199, 1	Instrument	SVOA-GC06
Vial	22	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



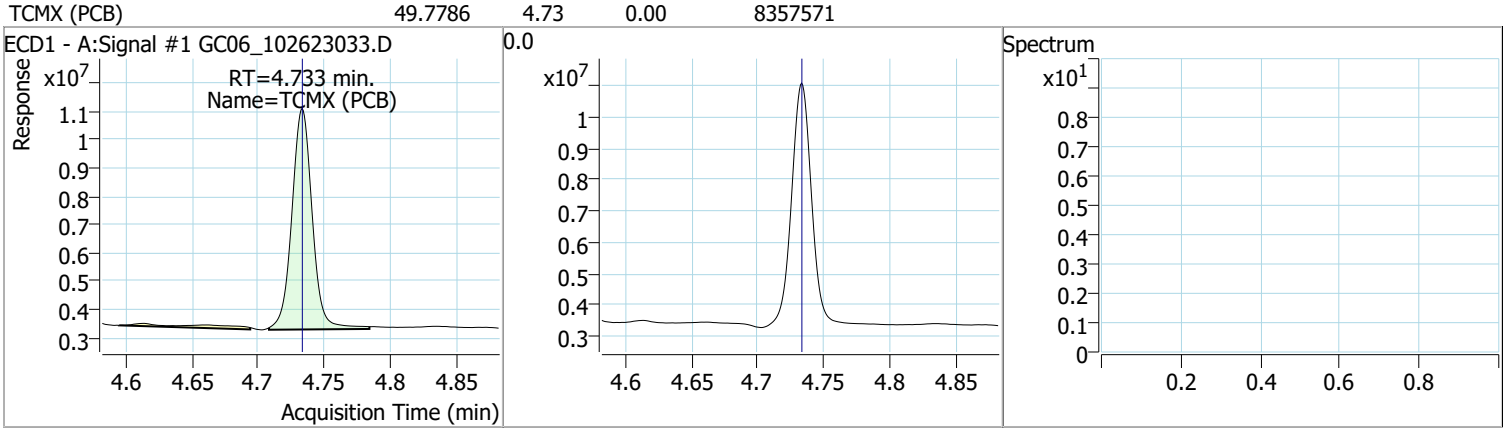


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.956	0.0	3374490.128	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	12513020.039	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	8357570.698	49.7786	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 248.89%		*	
S TCMX (PCB) #2	5.054	0.0	24834714.240	42.2220	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.11%		*	
S Decachlorobiphenyl (PCB)	11.613	0.0	11522470.802	53.5275	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 267.64%		*	
S Decachlorobiphenyl (PCB) #2	12.718	0.0	25027654.064	34.8440	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.22%		*	
Target Compounds							QValue

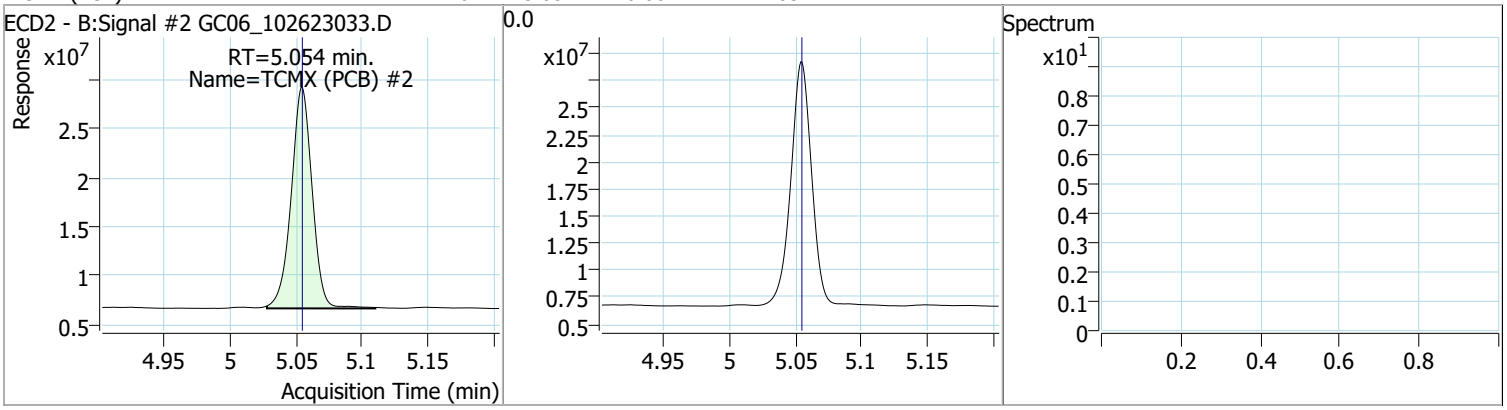
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.091	0.0	513050.842	140.0814	ng/ml	100
T AR1016 2	5.418	0.0	357134.602	48.5828	ng/ml	100
T AR1016 1 #2	5.526	0.0	1300375.981	112.3856	ng/ml	100
T AR1016 3	5.792	0.0	4465570.797	501.9627	ng/ml	100
T AR1016 2 #2	5.974	0.0	1275873.651	52.8377	ng/ml	100
T AR1016 4	5.883	0.0	451228.562	76.6391	ng/ml	100
T AR1016 5	6.378	0.0	48798.066	9.2103	ng/ml	100
T AR1016 3 #2	6.383	0.0	1673704.067	52.0888	ng/ml	100
T AR1016 4 #2	6.586	0.0	24842.998	1.1509	ng/ml	100
T AR1016 5 #2	7.173	0.0	20666.633	1.1589	ng/ml	100
T AR1260 1	8.008	0.0	1562110.861	153.1123	ng/ml	100
T AR1260 2	8.613	0.0	103062.049	6.4828	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.396	0.0	946324.705	28.5654	ng/ml	100
T AR1260 4	9.667	0.0	1601318.024	182.4823	ng/ml	100
T AR1260 2 #2	9.719	0.0	262133.272	6.5584	ng/ml	100
T AR1260 3 #2	10.072	0.0	545667.567	10.7097	ng/ml	100
T AR1260 5	10.478	0.0	1064900.609	95.1015	ng/ml	100
T AR1260 4 #2	10.681	0.0	654361.416	21.1248	ng/ml	100
T AR1260 5 #2	11.218	0.0	424139.432	9.2388	ng/ml	100

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

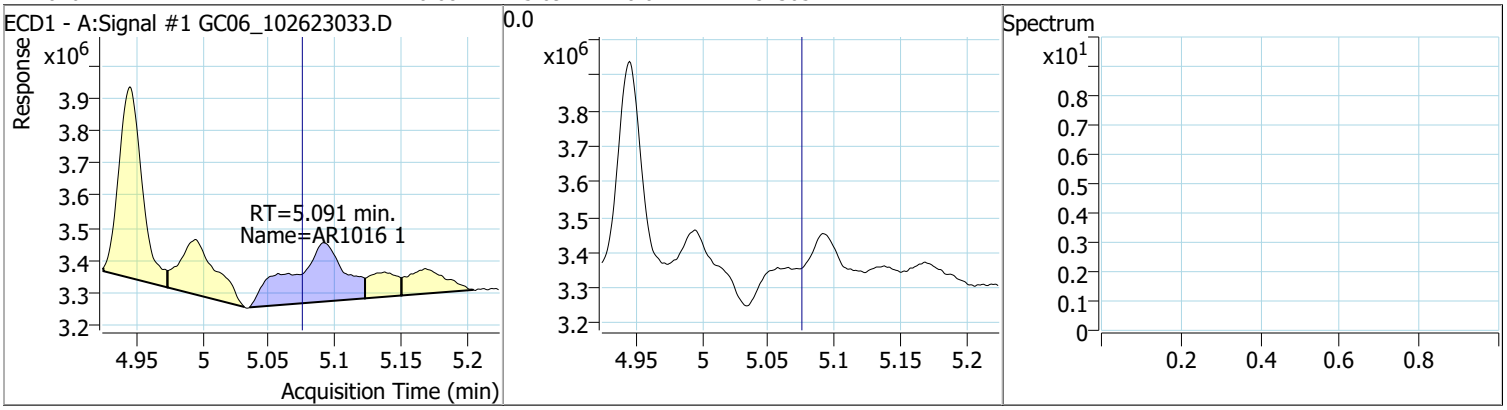
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.7786	4.73	0.00	8357571				



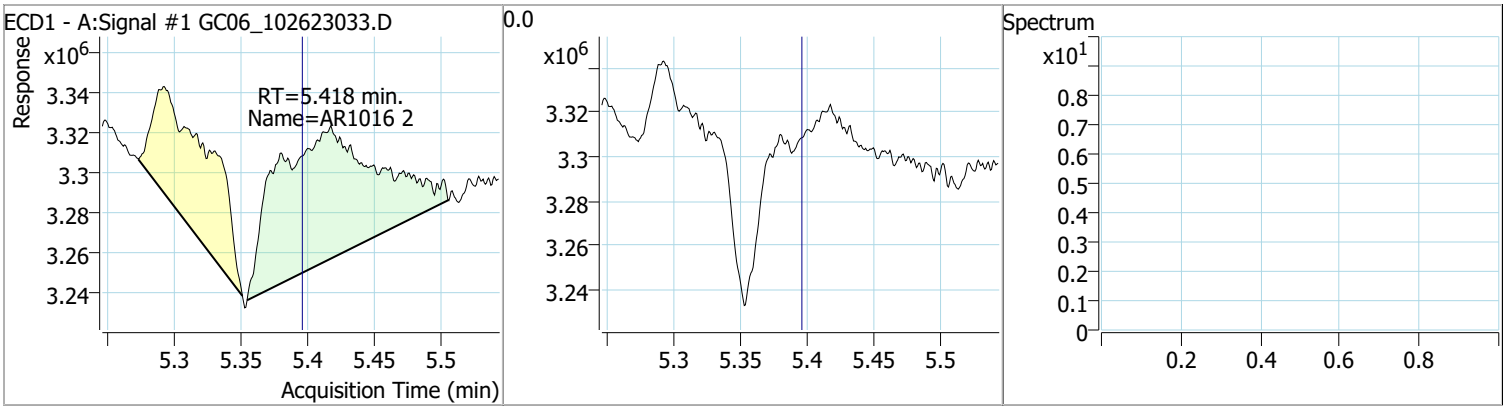
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.2220	5.05	0.00	24834714				



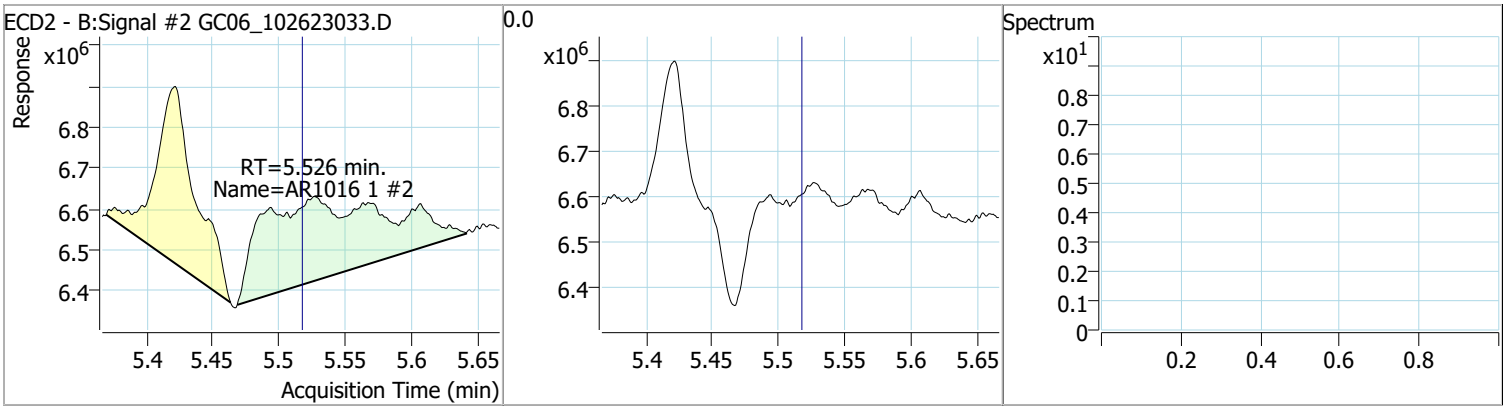
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	140.0814	5.09	0.02	513051				



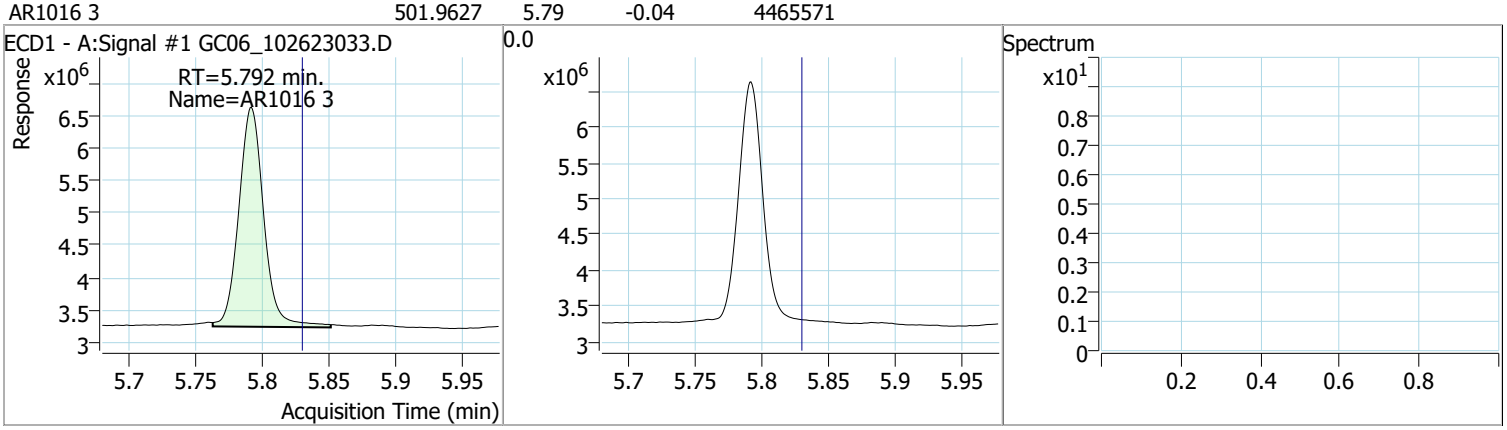
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	48.5828	5.42	0.02	357135				



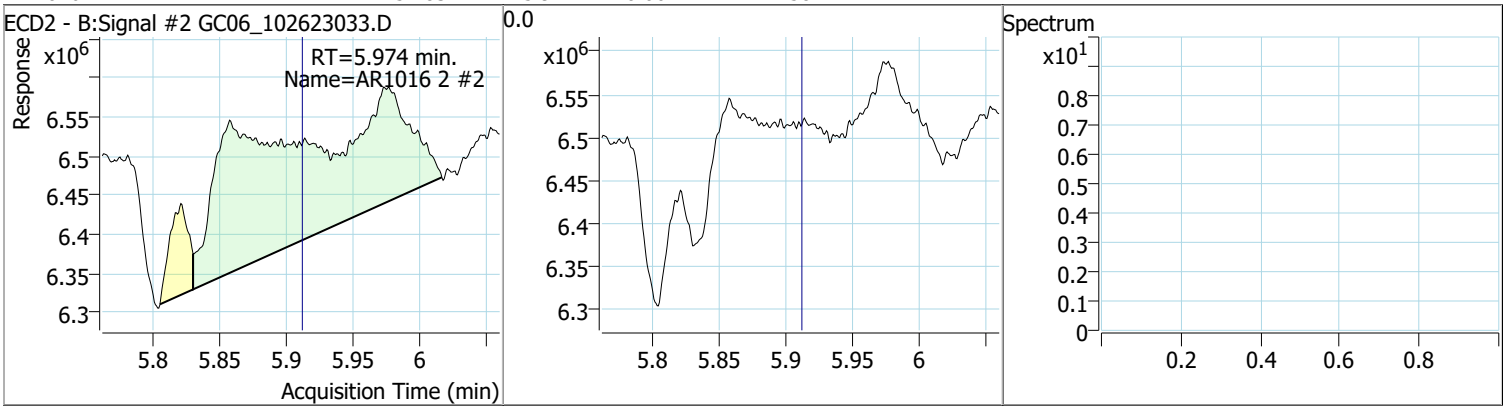
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	112.3856	5.53	0.01	1300376				



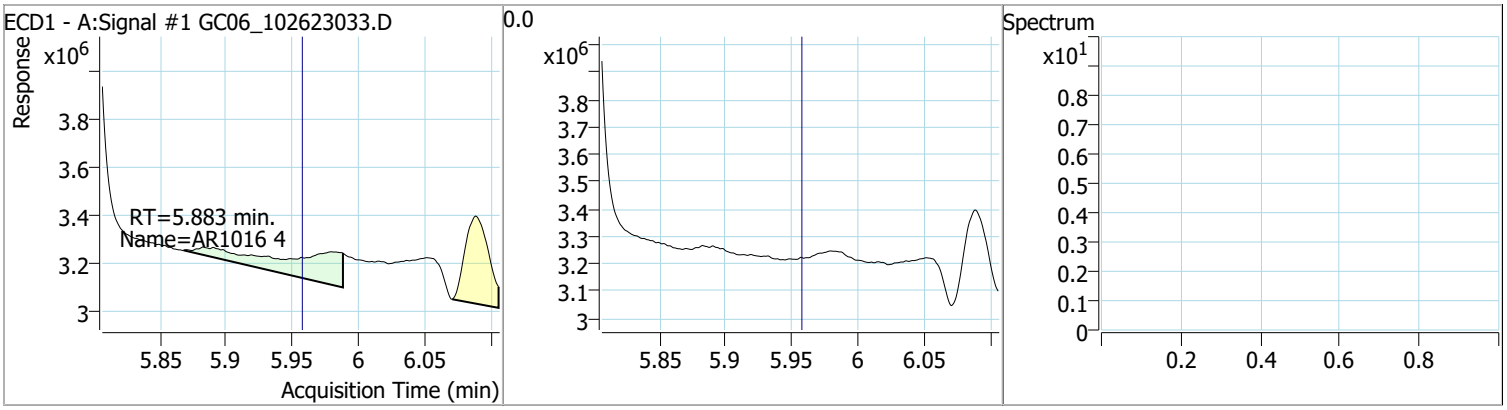
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	501.9627	5.79	-0.04	4465571				



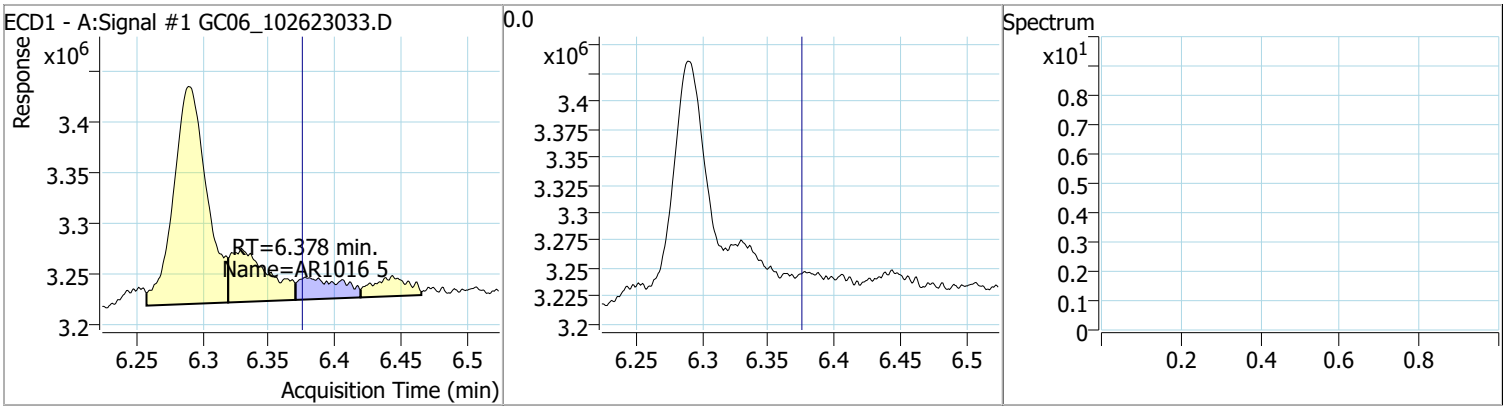
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	52.8377	5.97	0.06	1275874				



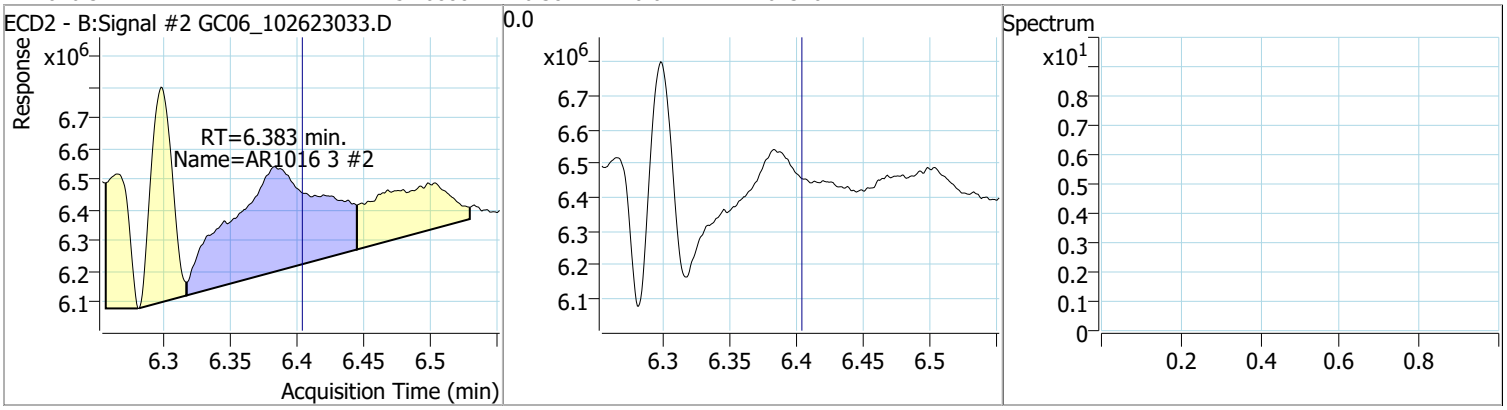
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	76.6391	5.88	-0.07	451229				



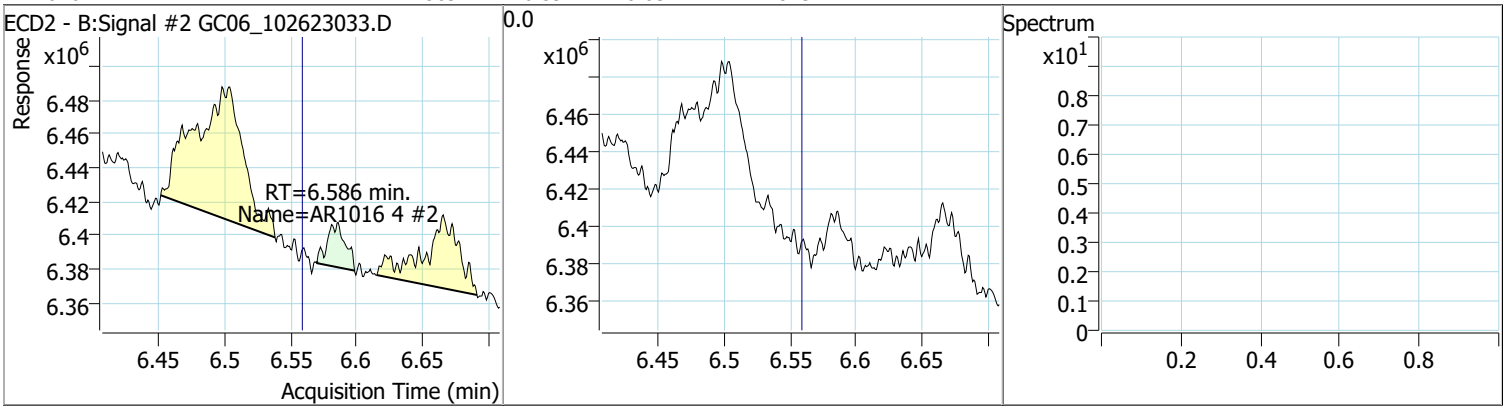
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	9.2103	6.38	0.00	48798				



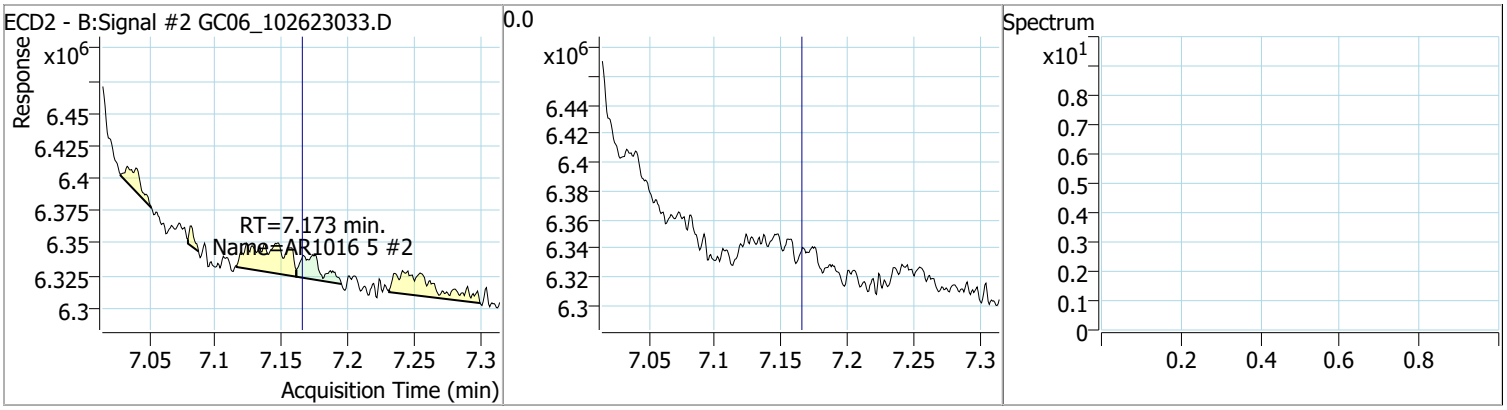
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	52.0888	6.38	-0.02	1673704				



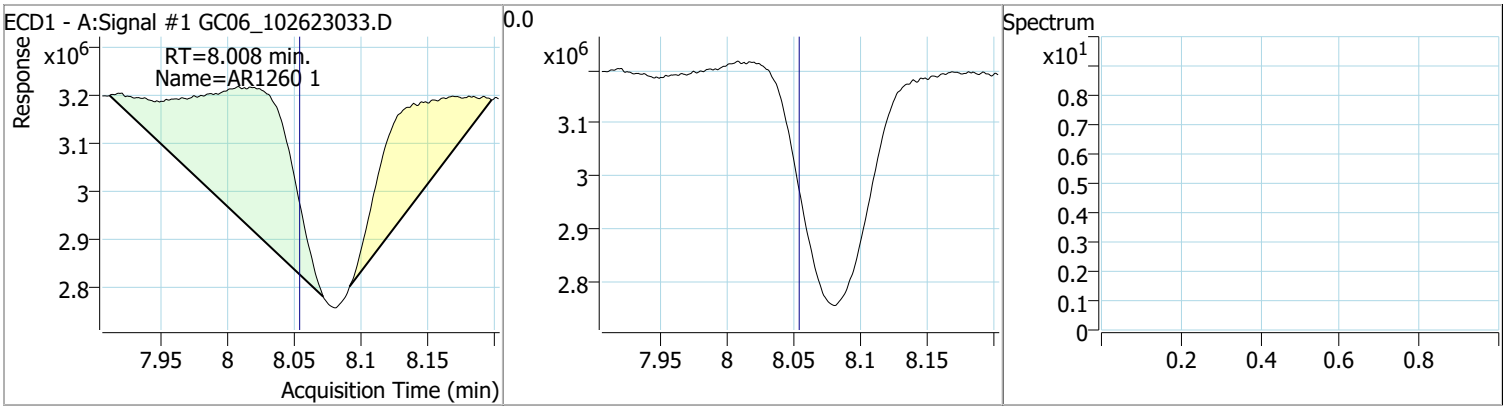
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.1509	6.59	0.03	24843				



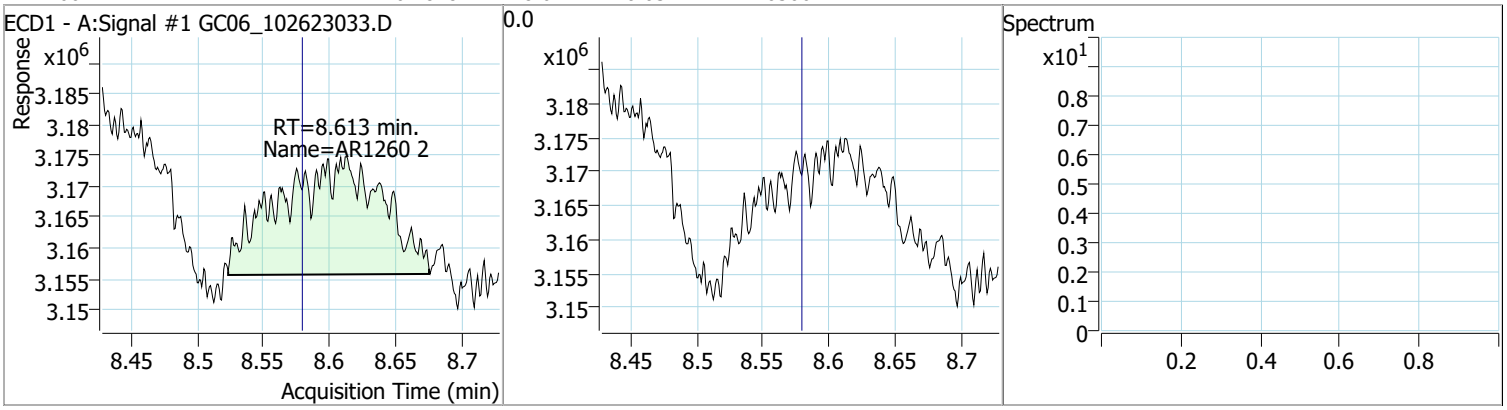
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.1589	7.17	0.01	20667				



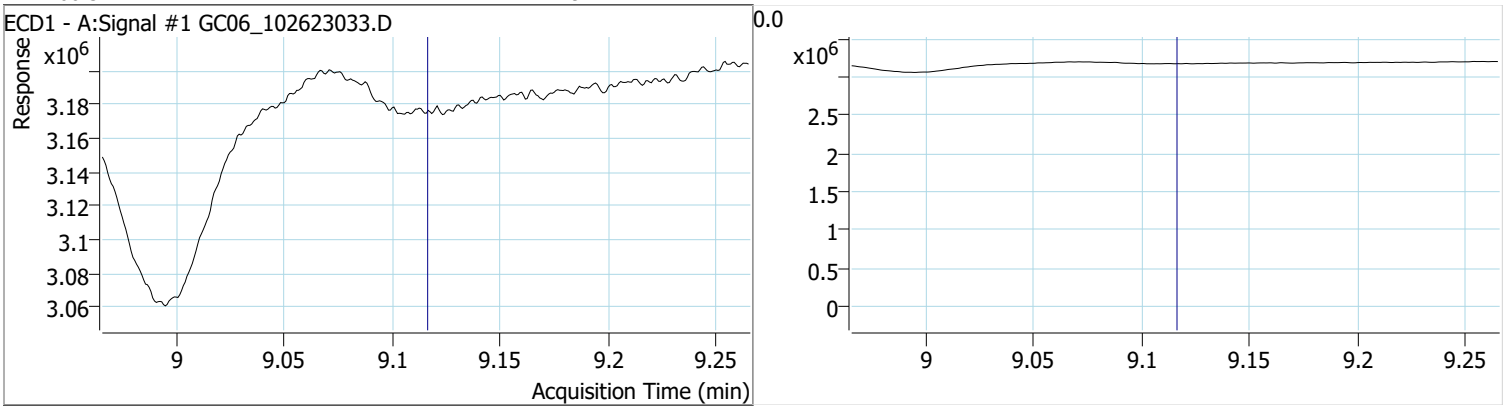
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	153.1123	8.01	-0.05	1562111				



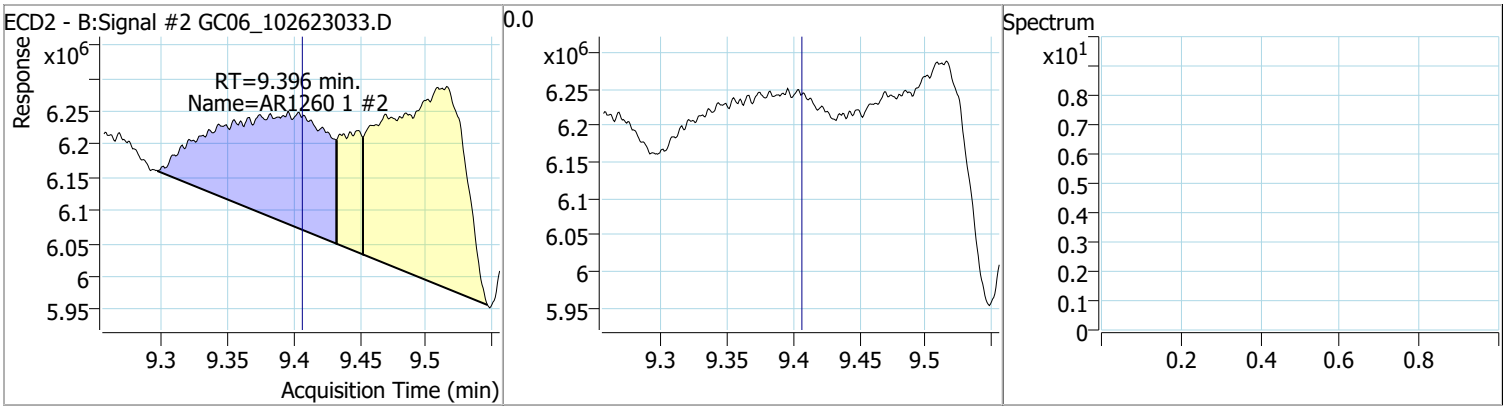
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	6.4828	8.61	0.03	103062				



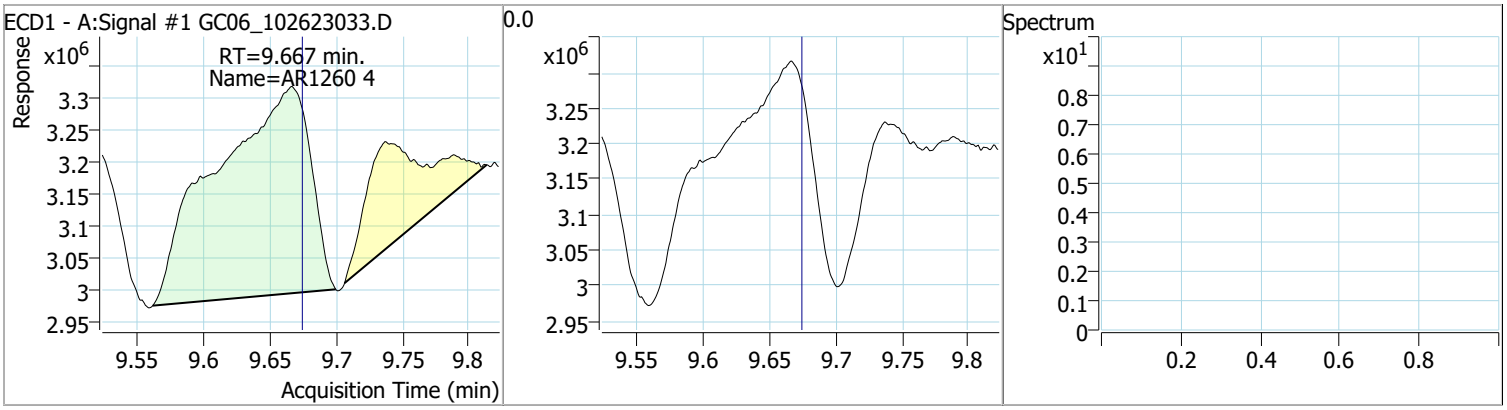
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.12		



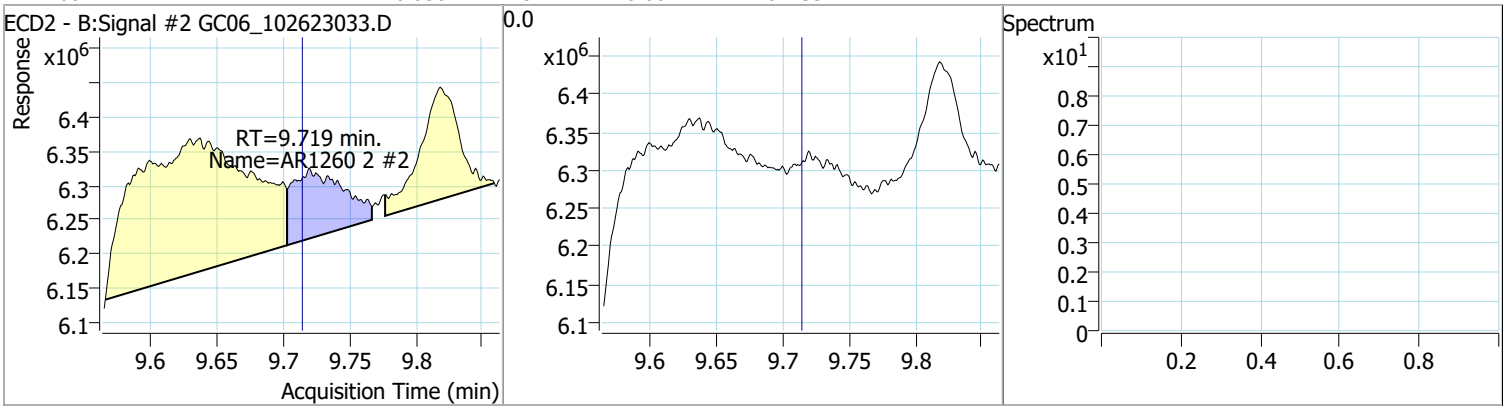
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	28.5654	9.40	-0.01	946325				



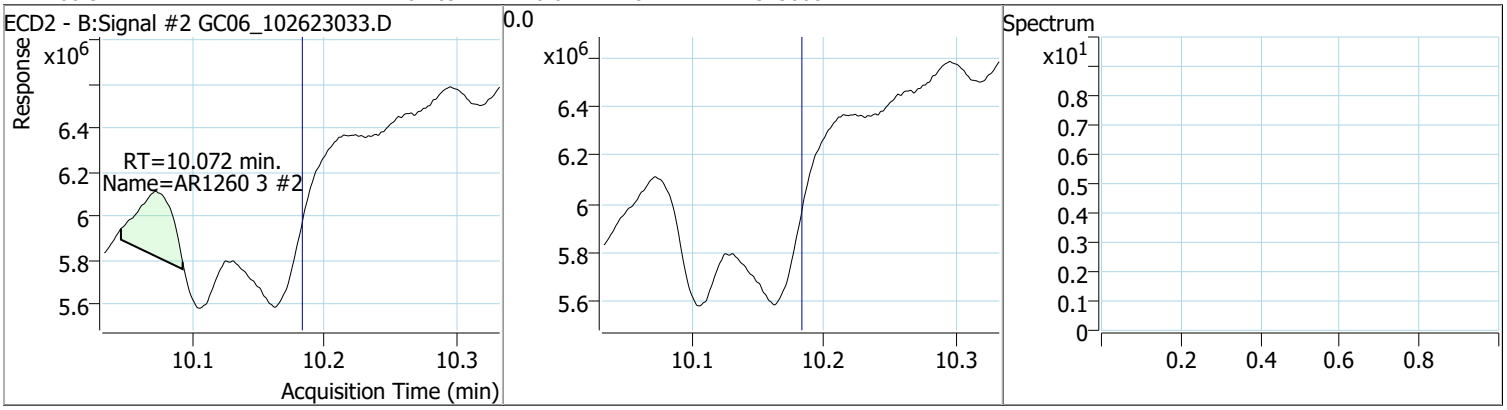
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	182.4823	9.67	-0.01	1601318				



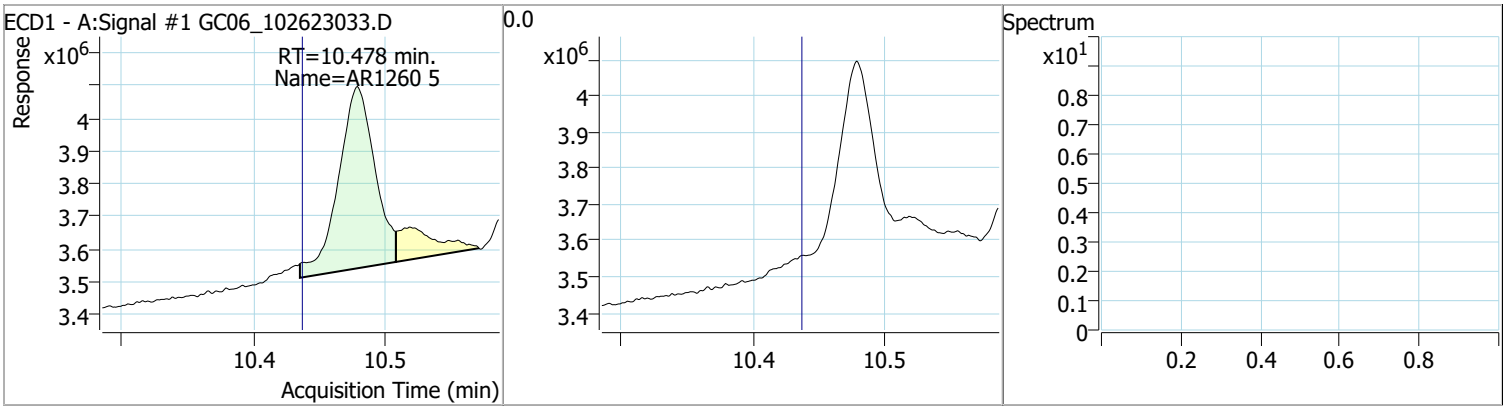
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.5584	9.72	0.00	262133				



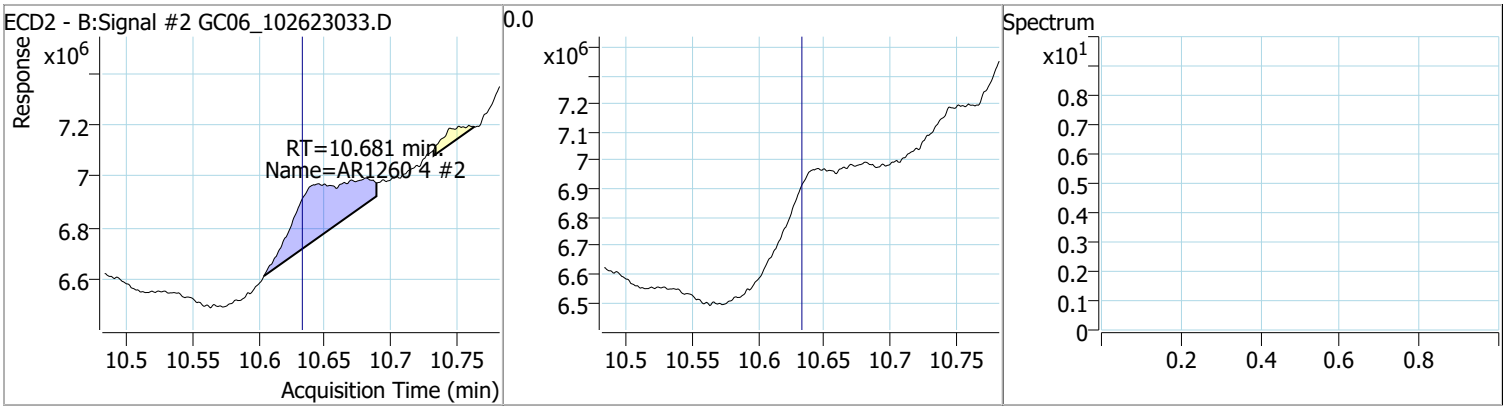
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.7097	10.07	-0.11	545668				



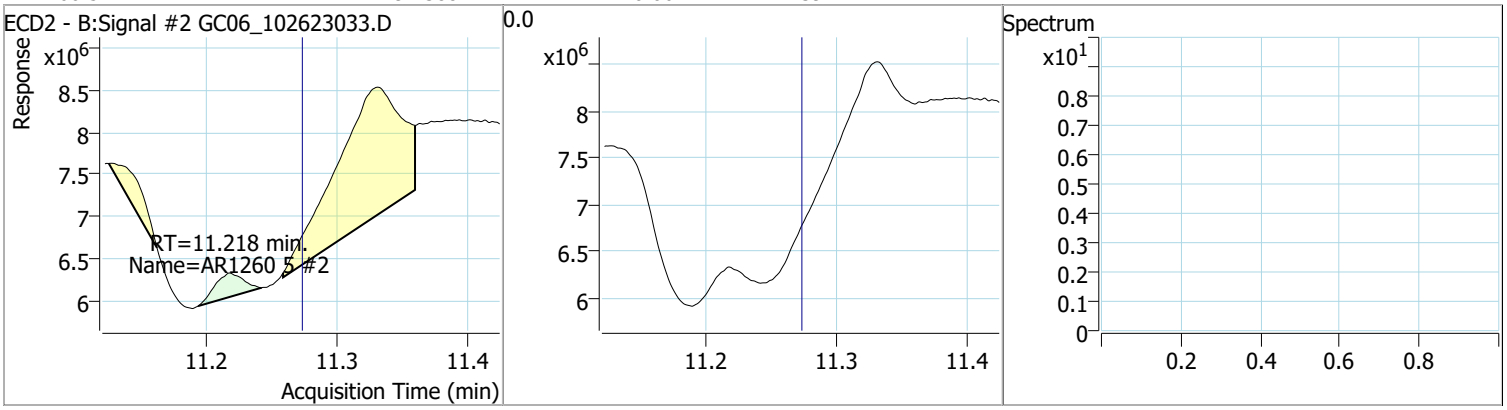
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	95.1015	10.48	0.04	1064901				



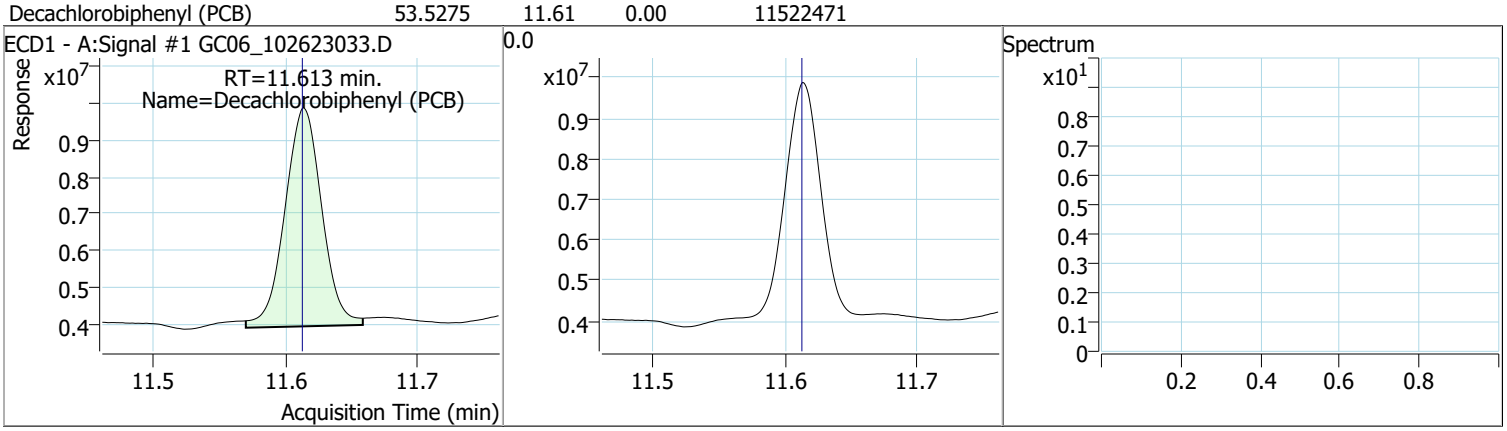
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	21.1248	10.68	0.05	654361				



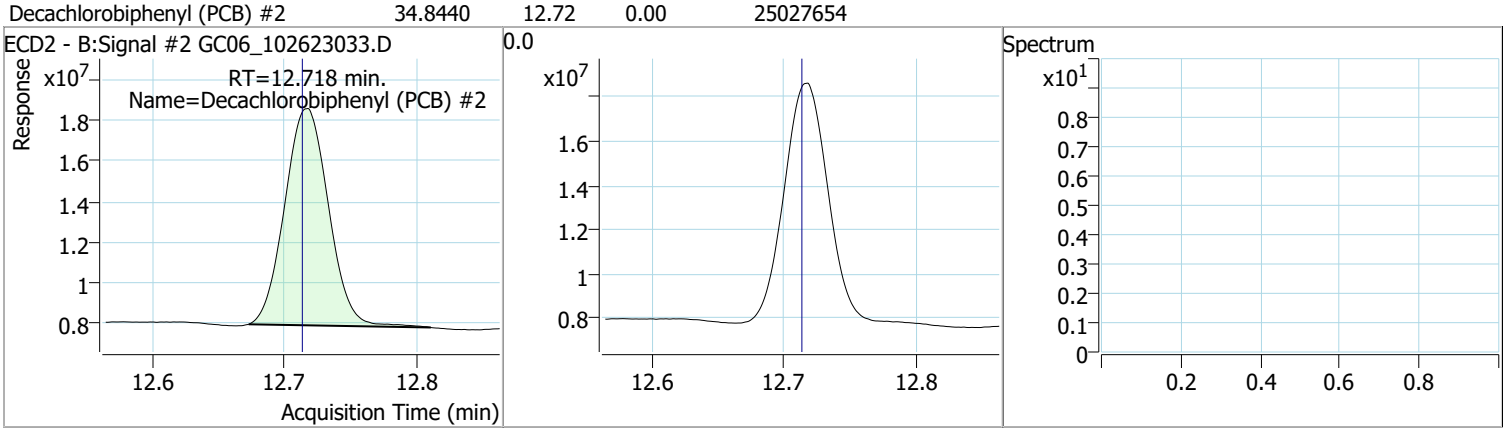
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	9.2388	11.22	-0.06	424139				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	53.5275	11.61	0.00	11522471				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.8440	12.72	0.00	25027654				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 494548 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1102661		
Seqnum:	453431278019.3	Matrix:	Wipe		
File:	gc06_102623019	Batch:	325199	Time:	26-OCT-2023 18:03
Cal:	453416704002	Caldate:	16-OCT-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	36.40	ND	0.82	77%	0.50	u
Aroclor-1016 Peak # 1	B	42.15	0.42	0.57	30%		
Aroclor-1016 Peak # 2	B	8.607	0.09	0.16	63%		
Aroclor-1016 Peak # 3	B	127.3	1.27	0.02	195%		
Aroclor-1016 Peak # 4	B	0.4438	0.00	3.31	199%		
Aroclor-1016 Peak # 5	B	3.499	0.03	0.02	51%		
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	11.15	ND	0.42	117%	0.50	u
Aroclor-1260 Peak # 1	B	18.35	0.18	0.79	125%		
Aroclor-1260 Peak # 2	B	9.416	0.09	0.00	192%		
Aroclor-1260 Peak # 3	B	9.109	0.09	0.13	37%		
Aroclor-1260 Peak # 4	B	6.339	0.06	1.14	179%		
Aroclor-1260 Peak # 5	B	12.54	0.13	0.05	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	32.70	0.5000	0.3270	65	19-121	u
Decachlorobiphenyl (PCB)	B	27.03	0.5000	0.2703	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_102623004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	8901335	-10.75
1-bromo-2-nitrobenzene (PCB)	A	3468805	2309078	-33.43

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_102623004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

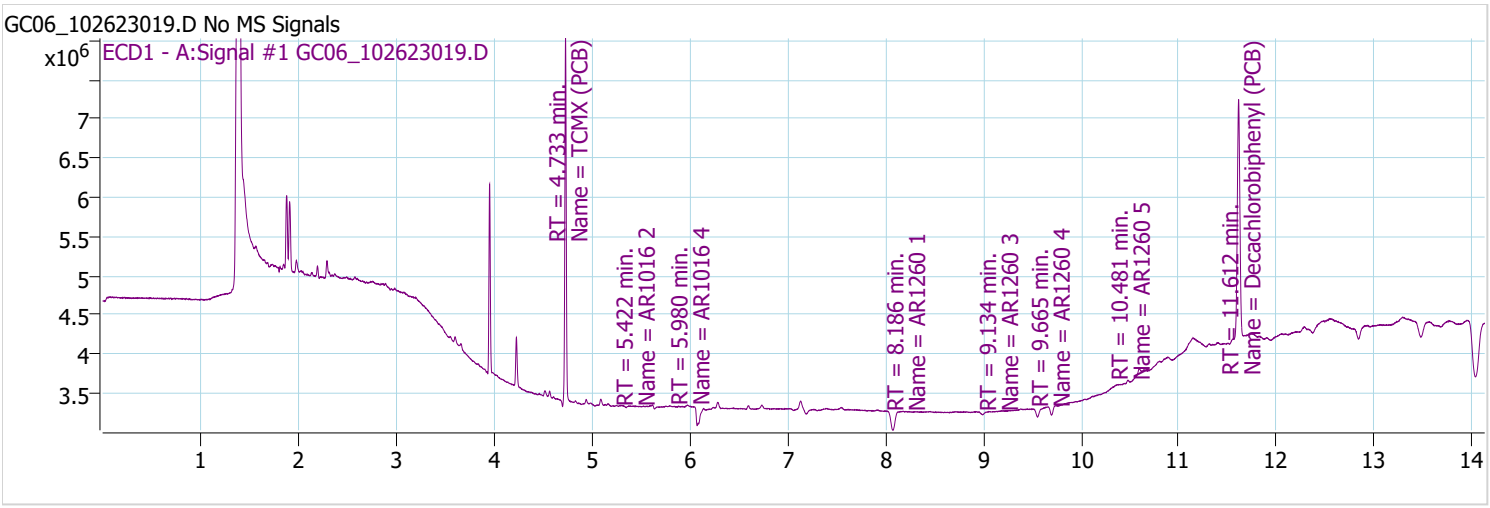
10/27/23 : WIPE/1DM^2-10ML [general version]

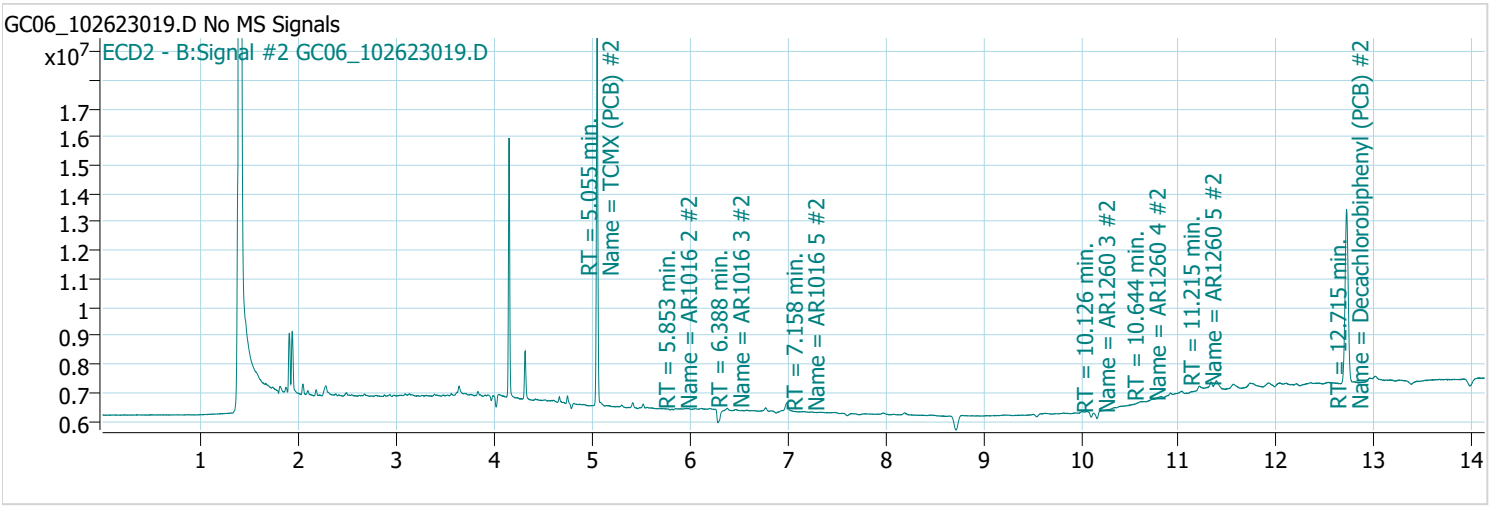
-=low bias c=CCV u=use

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623019.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 6:03:08 PM
Sample Name	QC1102661, 325199, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



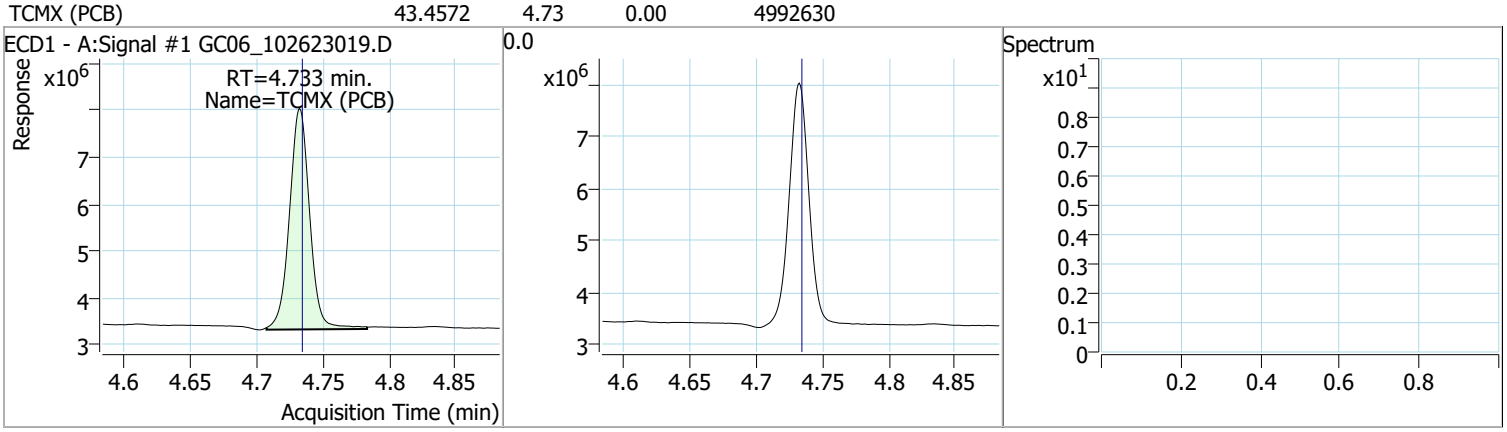


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.957	0.0	2309078.371	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	8901334.666	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	4992629.704	43.4572	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.29%		*	
S TCMX (PCB) #2	5.055	0.0	13682928.425	32.7013	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.51%		*	
S Decachlorobiphenyl (PCB)	11.612	0.0	5774259.619	39.2010	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.01%		*	
S Decachlorobiphenyl (PCB) #2	12.715	0.0	13809961.165	27.0276	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.14%			
Target Compounds							QValue

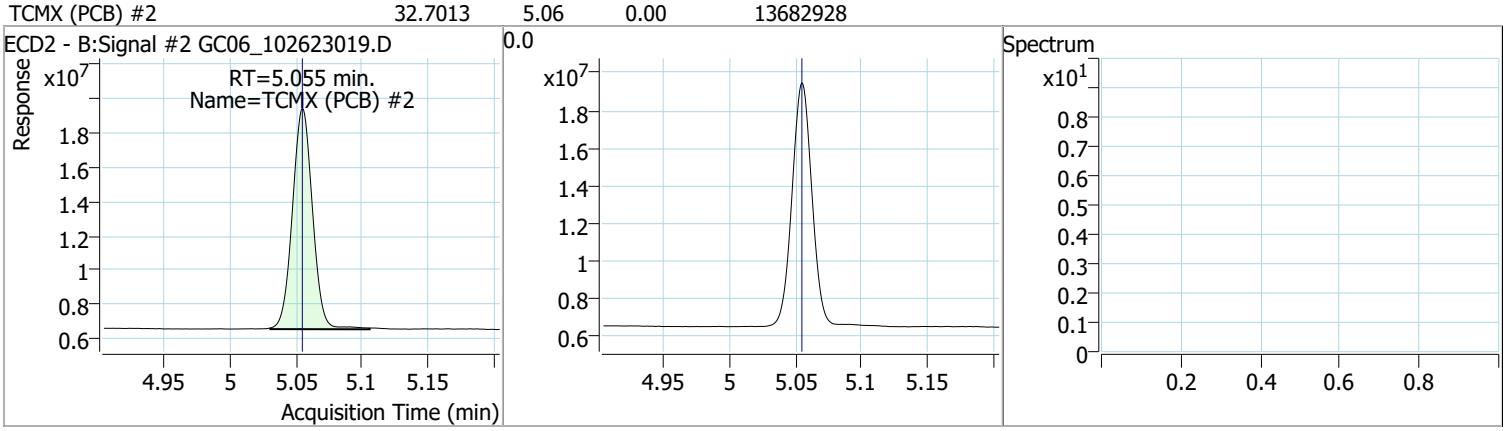
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.093	0.0	142385.841	56.8141	ng/ml	100
T AR1016 2	5.422	0.0	82719.330	16.4448	ng/ml	100
T AR1016 1 #2	5.526	0.0	346940.773	42.1506	ng/ml	100
T AR1016 3	5.848	0.0	9770.716	1.6051	ng/ml	100
T AR1016 2 #2	5.853	0.0	147855.296	8.6076	ng/ml	100
T AR1016 4	5.980	0.0	1333884.045	331.0866	ng/ml	100
T AR1016 5	6.332	0.0	7496.959	2.0679	ng/ml	100
T AR1016 3 #2	6.388	0.0	2909226.922	127.2771	ng/ml	100
T AR1016 4 #2	6.544	0.0	6813.934	0.4438	ng/ml	100
T AR1016 5 #2	7.158	0.0	44383.219	3.4987	ng/ml	100
T AR1260 1	8.186	0.0	551757.862	79.0344	ng/ml	100
T AR1260 2	8.567	0.0	1973.455	0.1814	ng/ml	100
T AR1260 3	9.134	0.0	151823.108	13.2909	ng/ml	100
T AR1260 1 #2	9.513	0.0	432428.173	18.3494	ng/ml	100
T AR1260 4	9.665	0.0	686733.189	114.3670	ng/ml	100
T AR1260 2 #2	9.638	0.0	267739.893	9.4166	ng/ml	100
T AR1260 3 #2	10.126	0.0	330157.781	9.1091	ng/ml	100
T AR1260 5	10.481	0.0	40070.129	5.2296	ng/ml	100
T AR1260 4 #2	10.644	0.0	139693.018	6.3395	ng/ml	100
T AR1260 5 #2	11.215	0.0	409661.507	12.5440	ng/ml	100

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

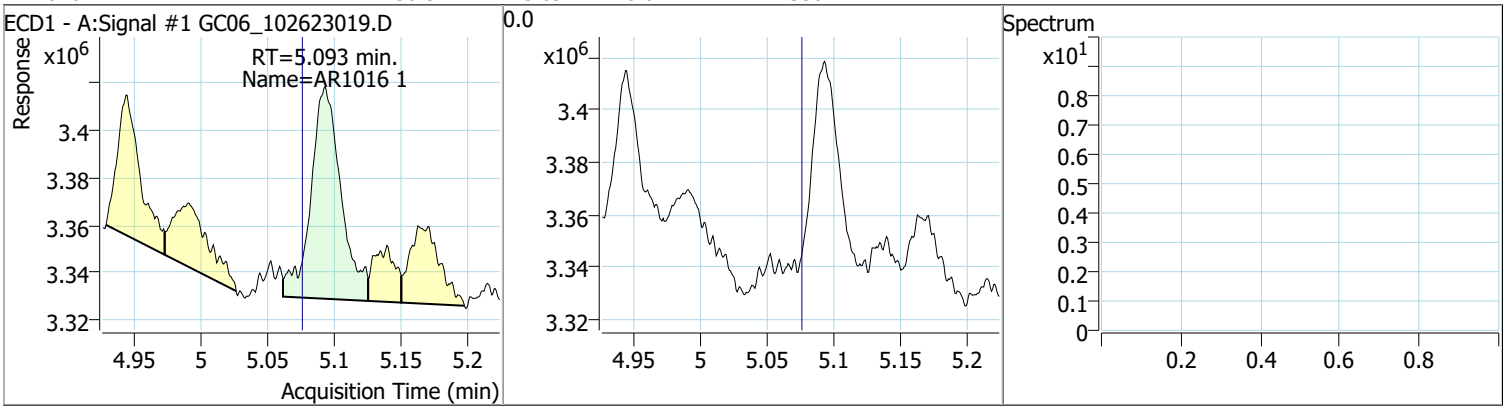
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.4572	4.73	0.00	4992630				



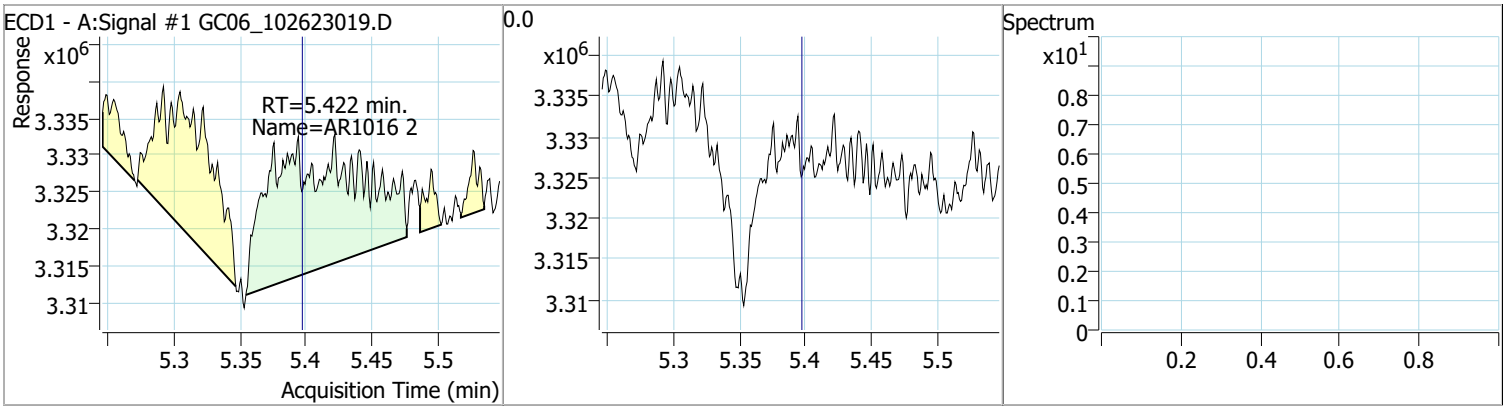
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.7013	5.06	0.00	13682928				



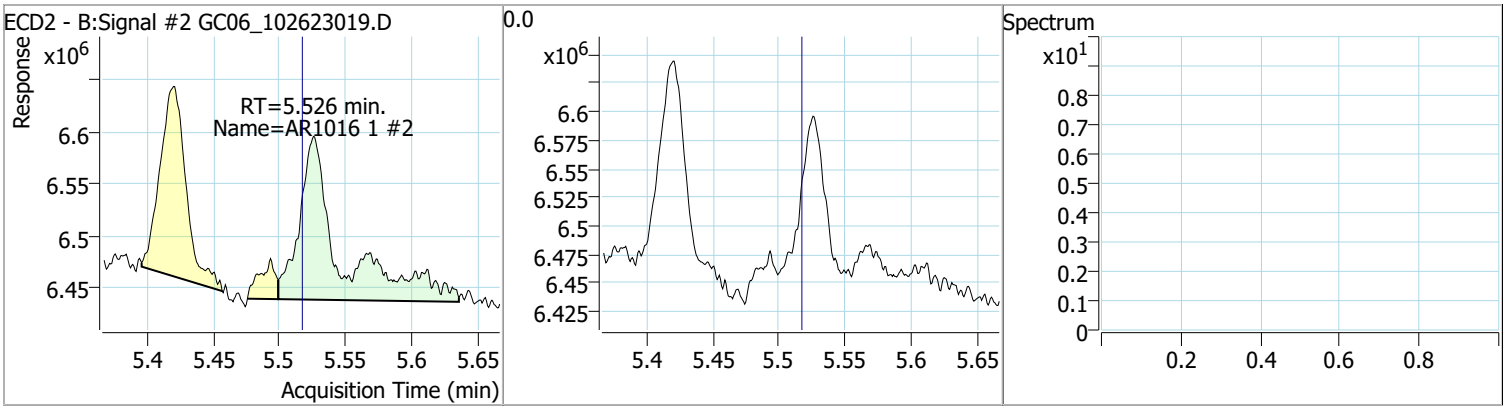
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	56.8141	5.09	0.02	142386				



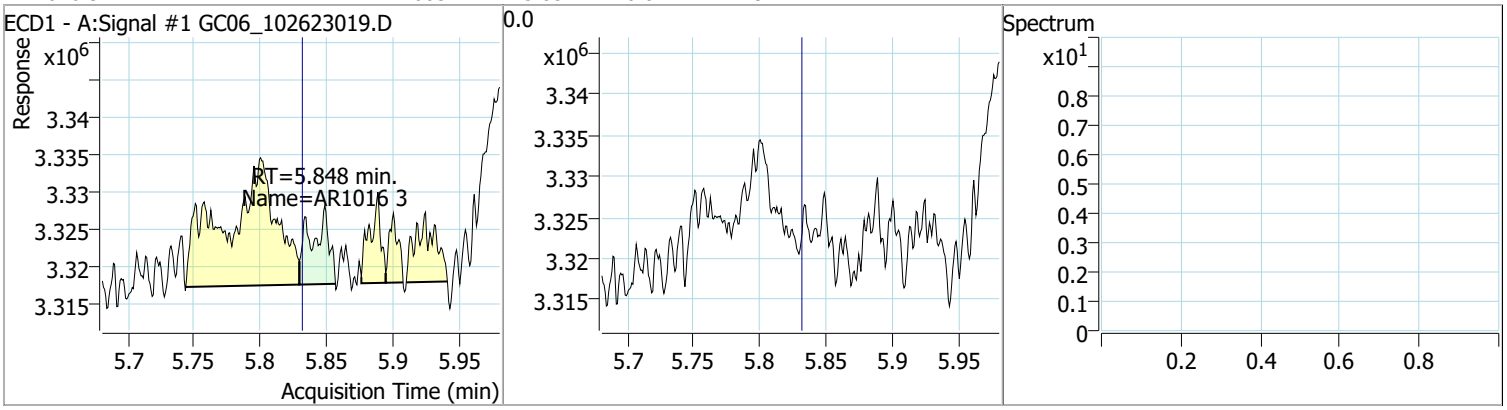
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	16.4448	5.42	0.03	82719				



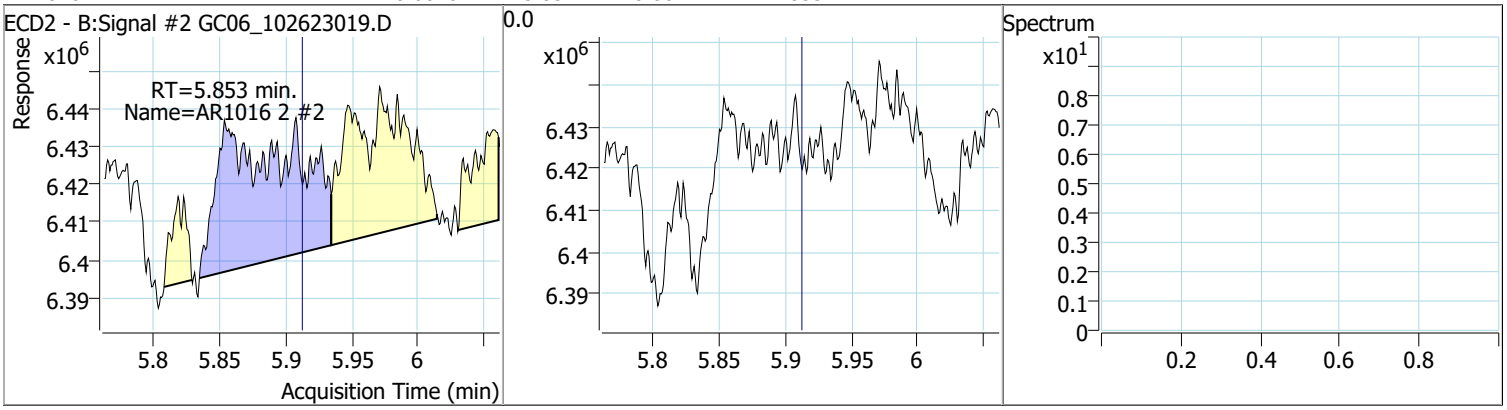
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	42.1506	5.53	0.01	346941				



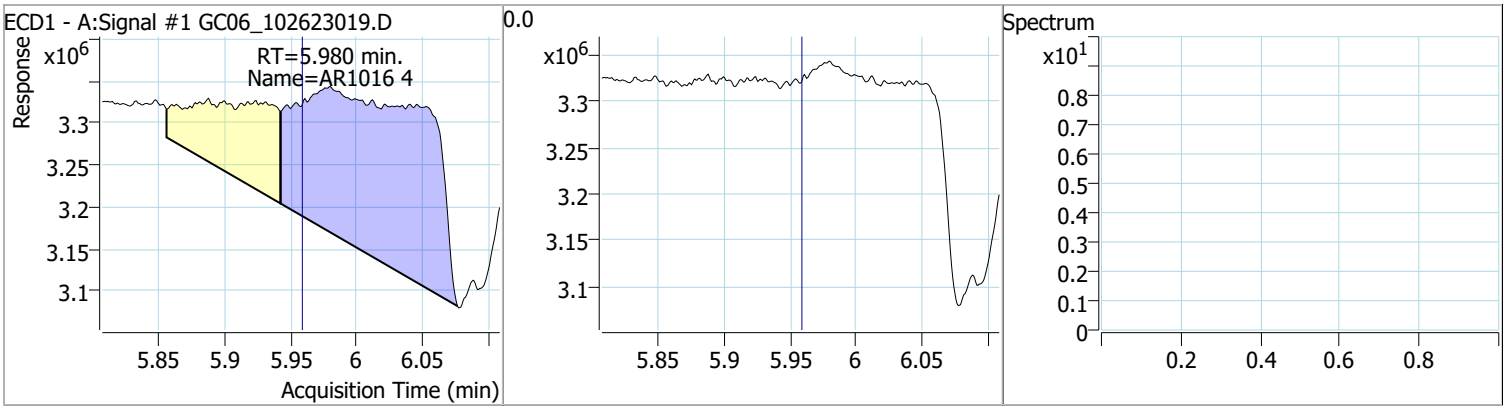
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1.6051	5.85	0.02	9771				



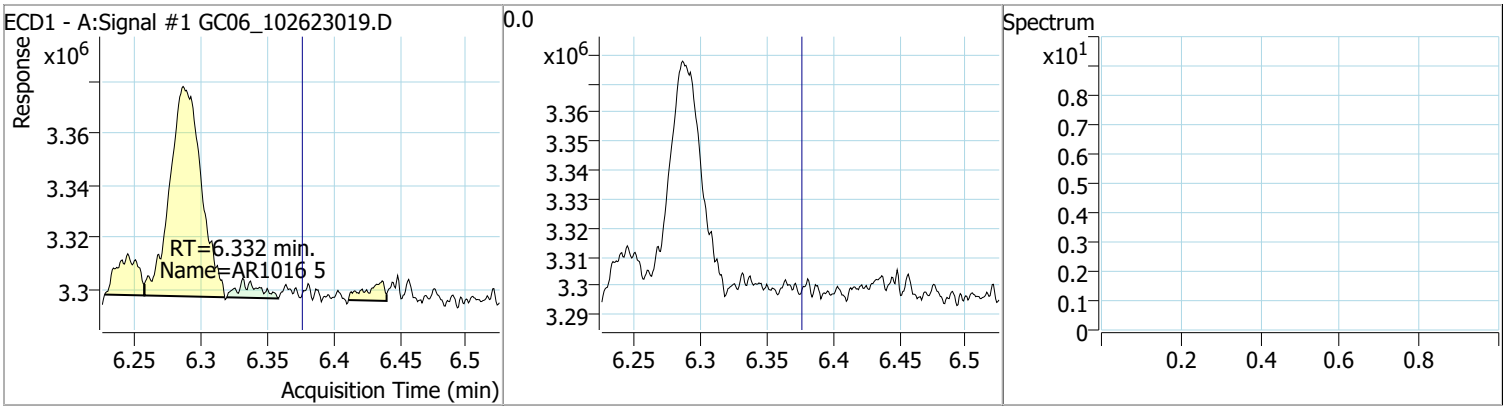
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.6076	5.85	-0.06	147855				



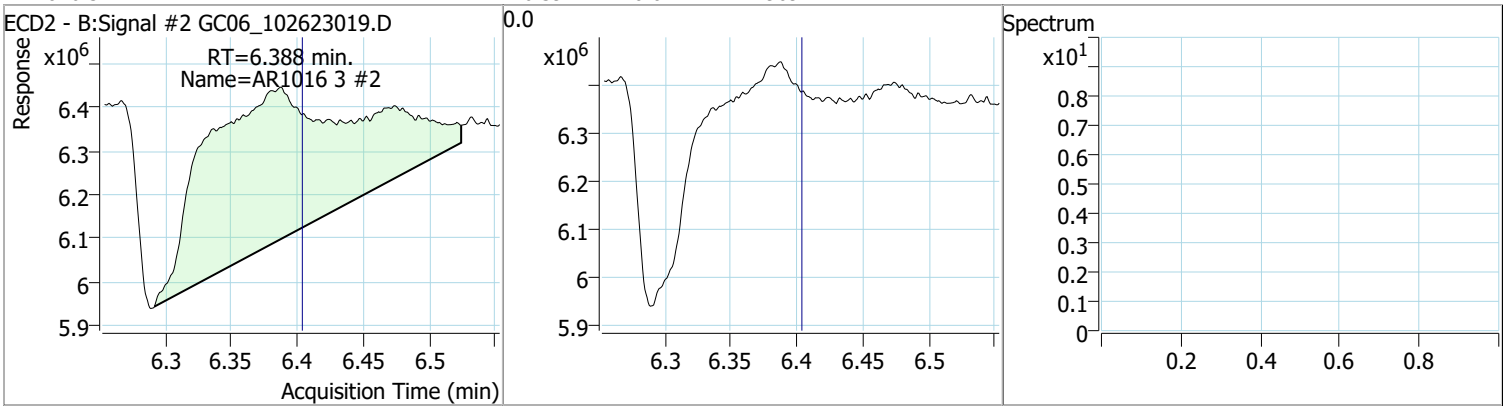
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	331.0866	5.98	0.02	1333884				



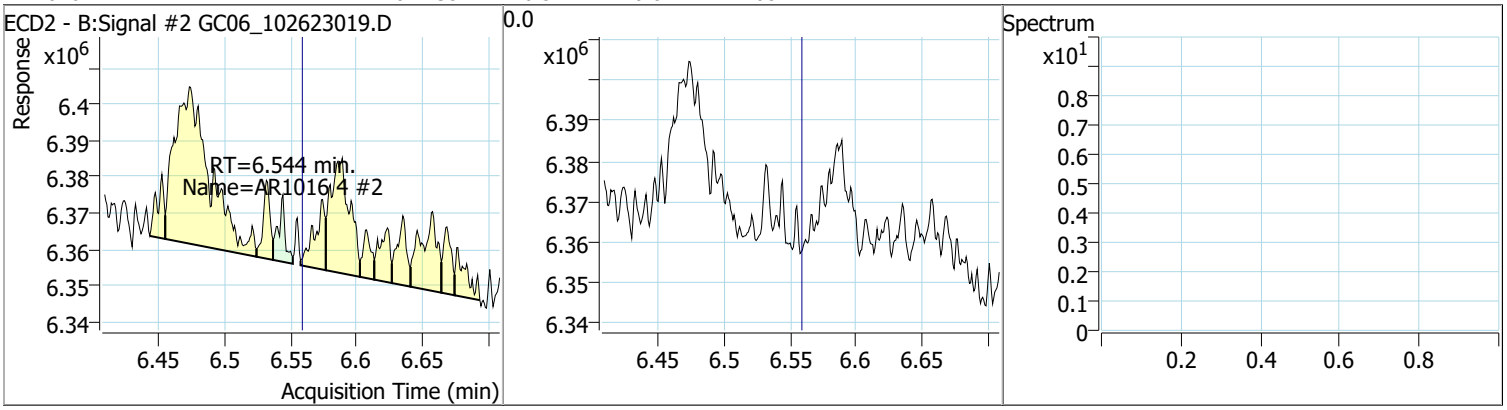
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	2.0679	6.33	-0.04	7497				



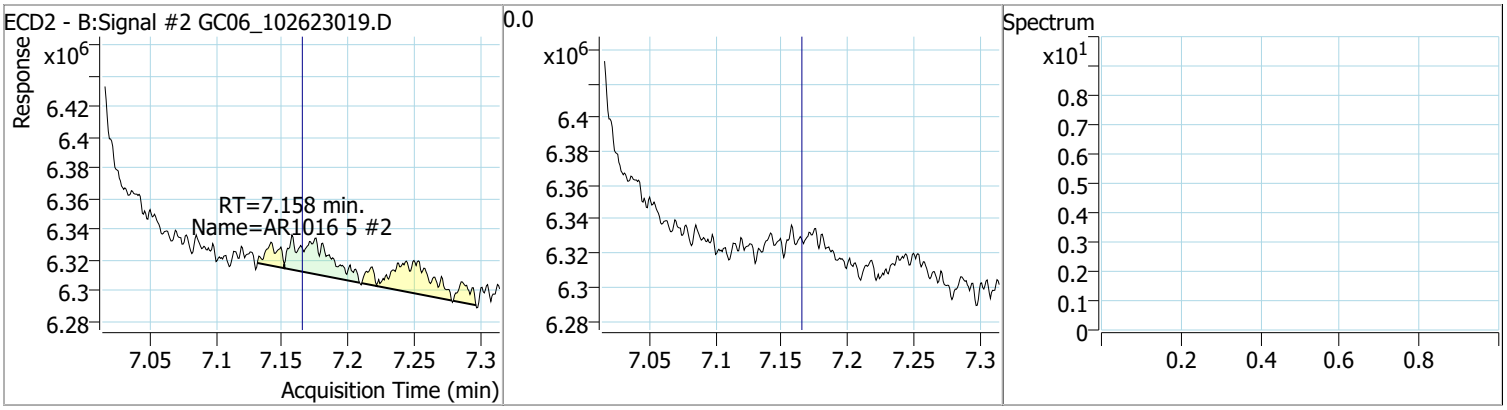
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	127.2771	6.39	-0.02	2909227				



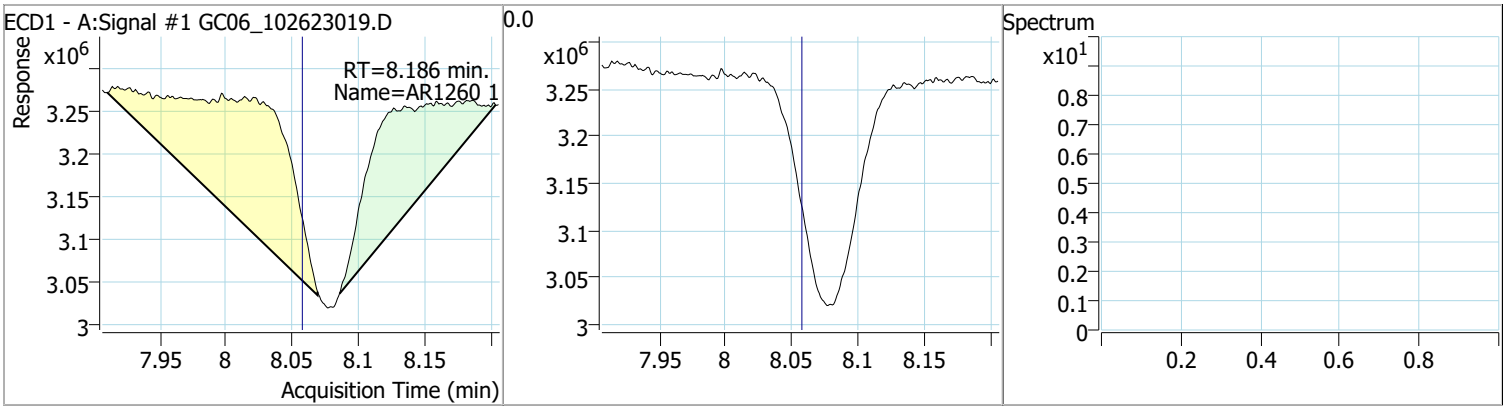
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4438	6.54	-0.01	6814				



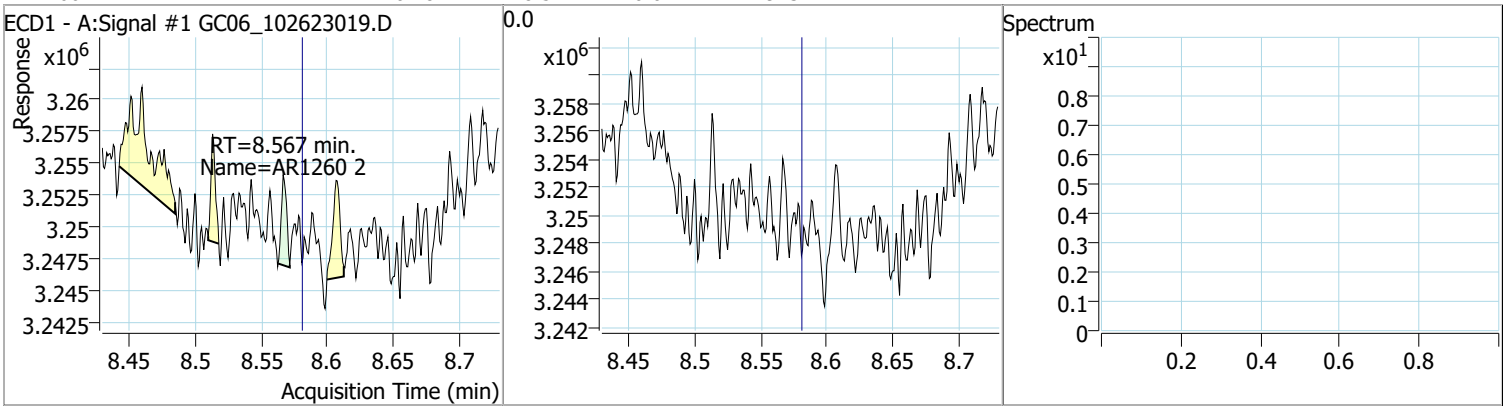
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.4987	7.16	-0.01	44383				



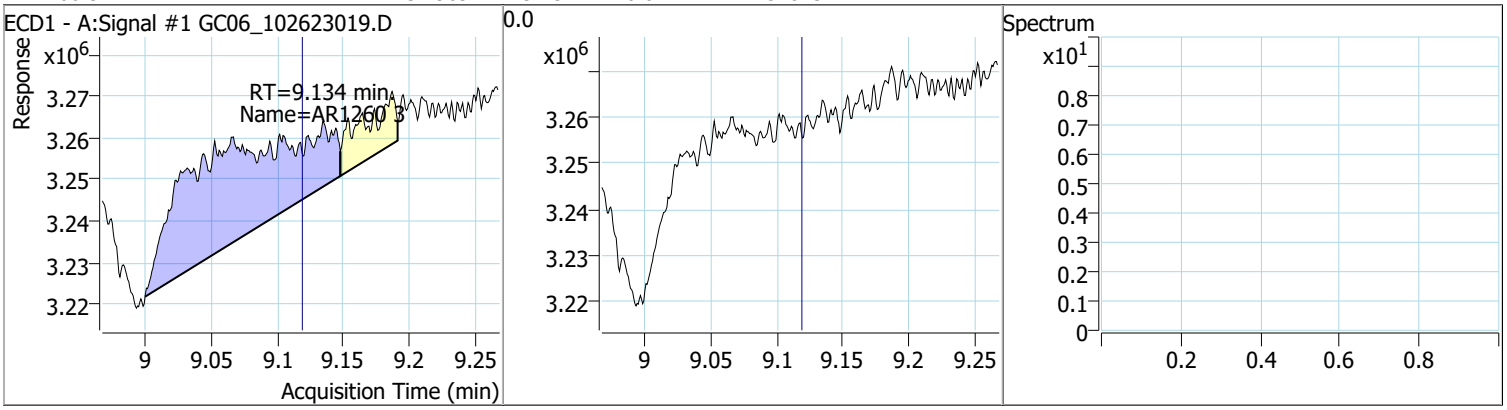
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	79.0344	8.19	0.13	551758				



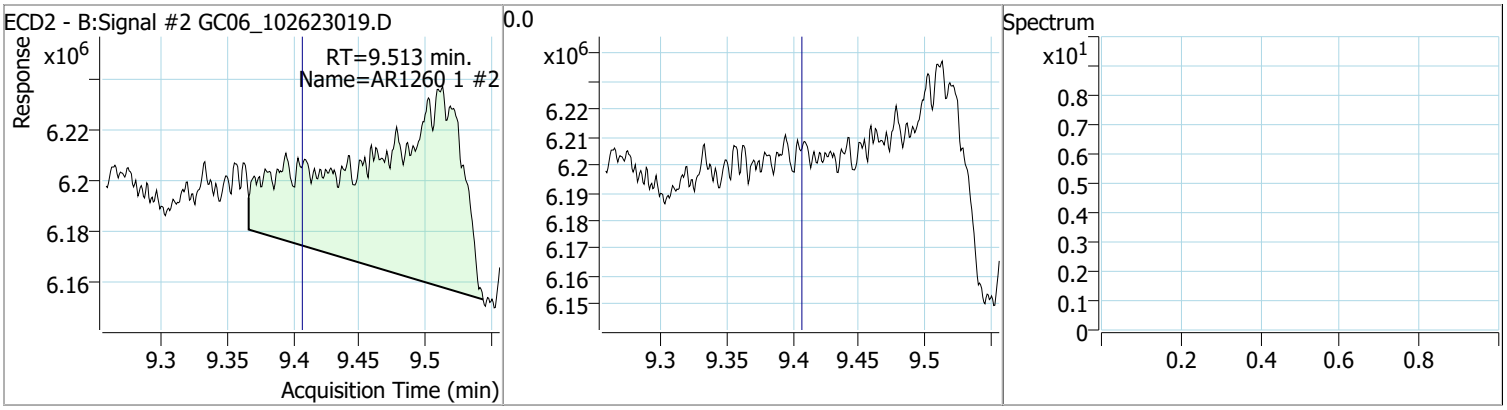
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1814	8.57	-0.01	1973				



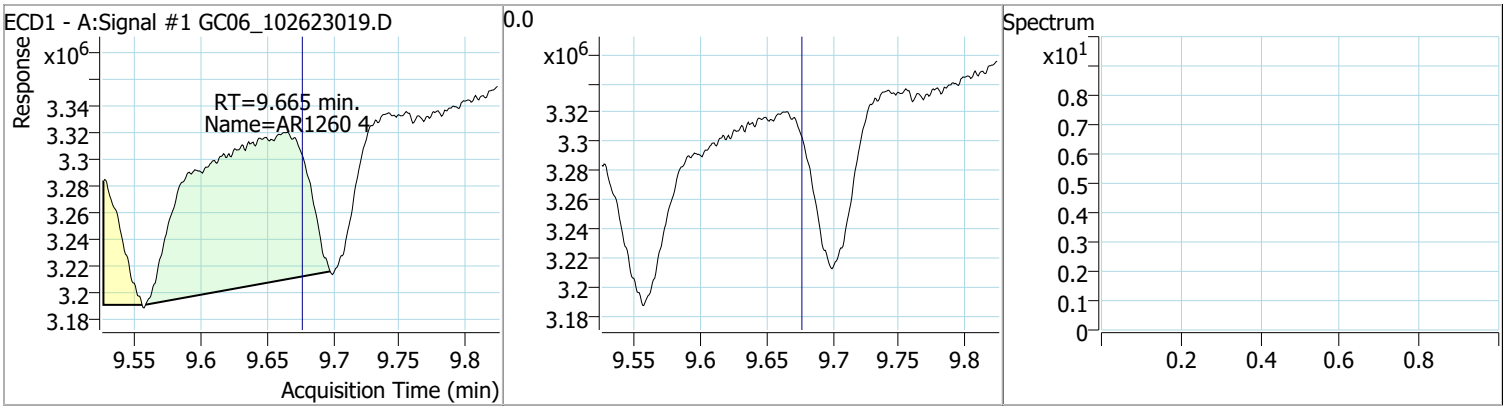
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	13.2909	9.13	0.02	151823				



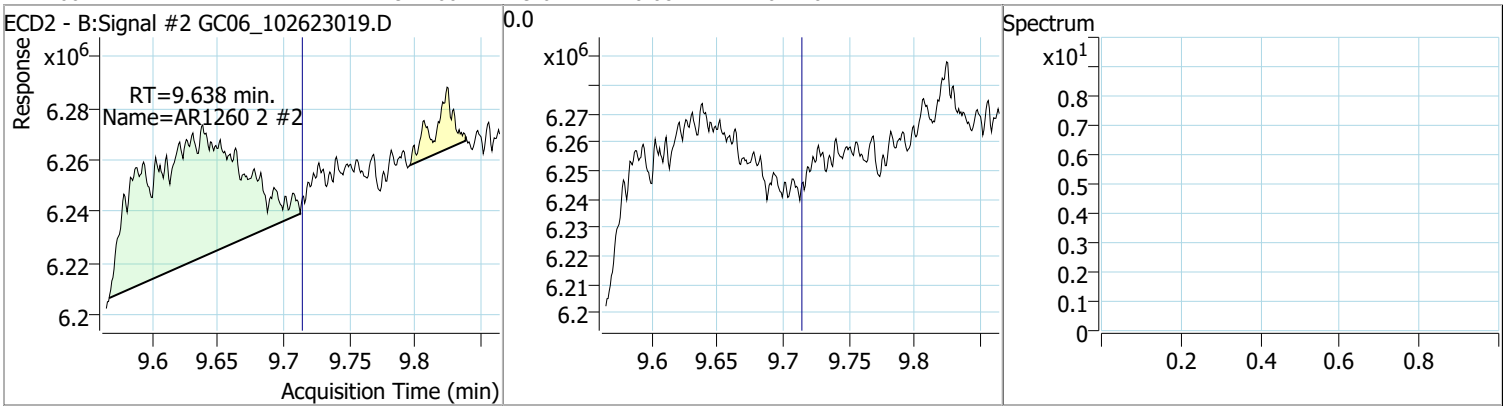
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	18.3494	9.51	0.11	432428				



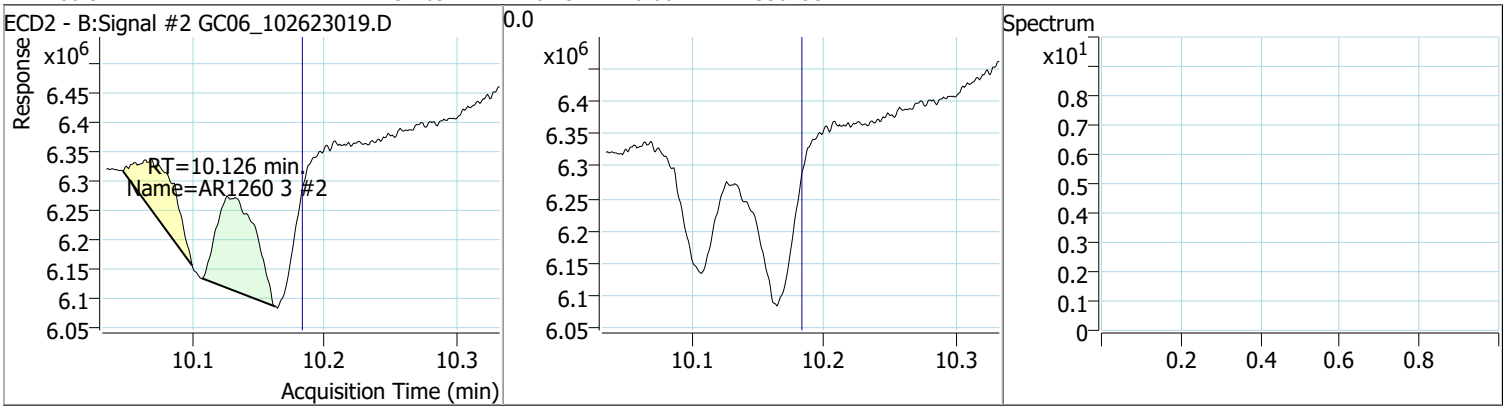
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	114.3670	9.67	-0.01	686733				



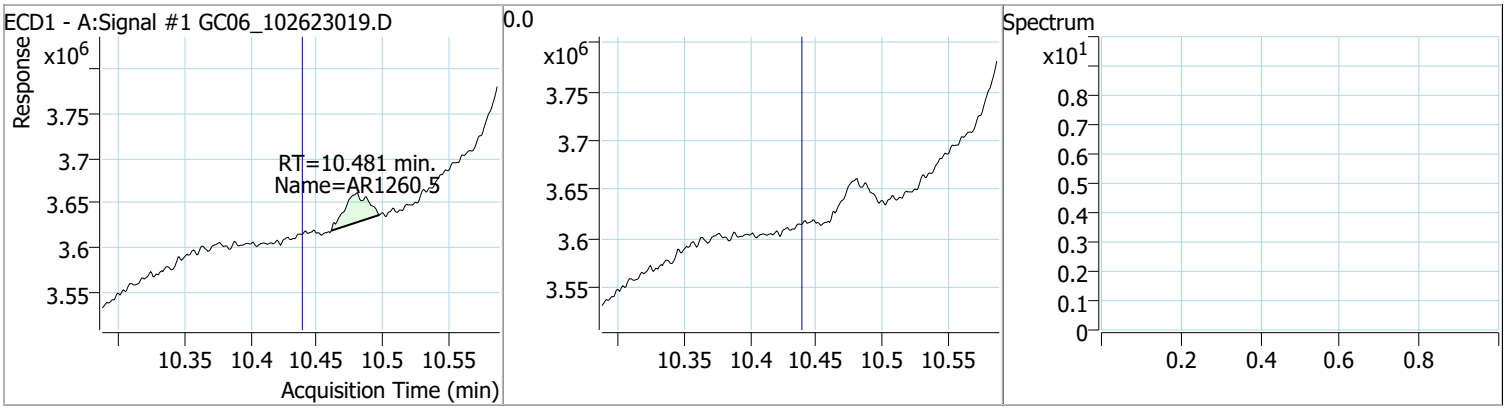
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.4166	9.64	-0.08	267740				



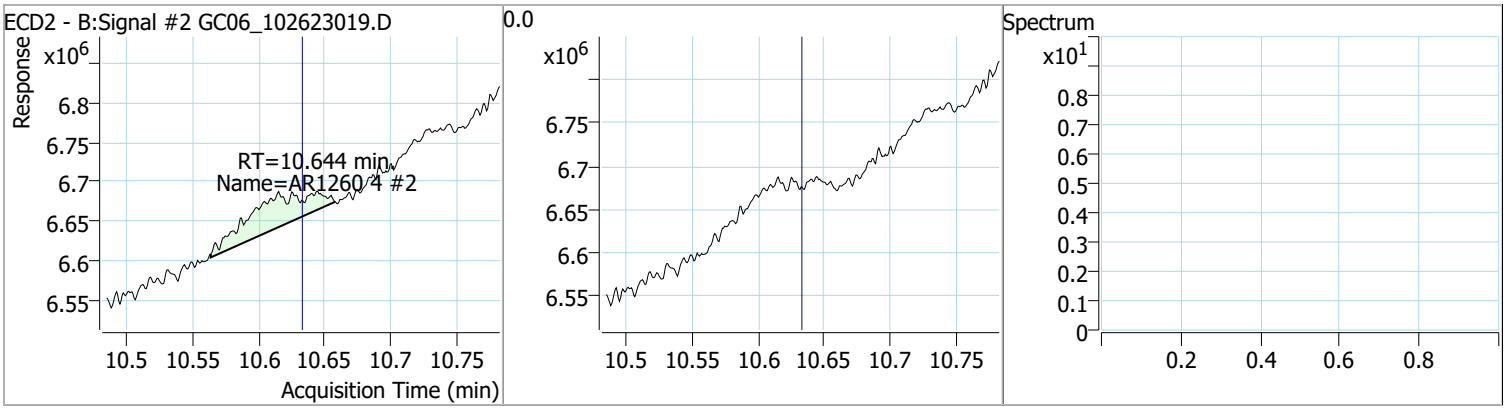
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.1091	10.13	-0.06	330158				



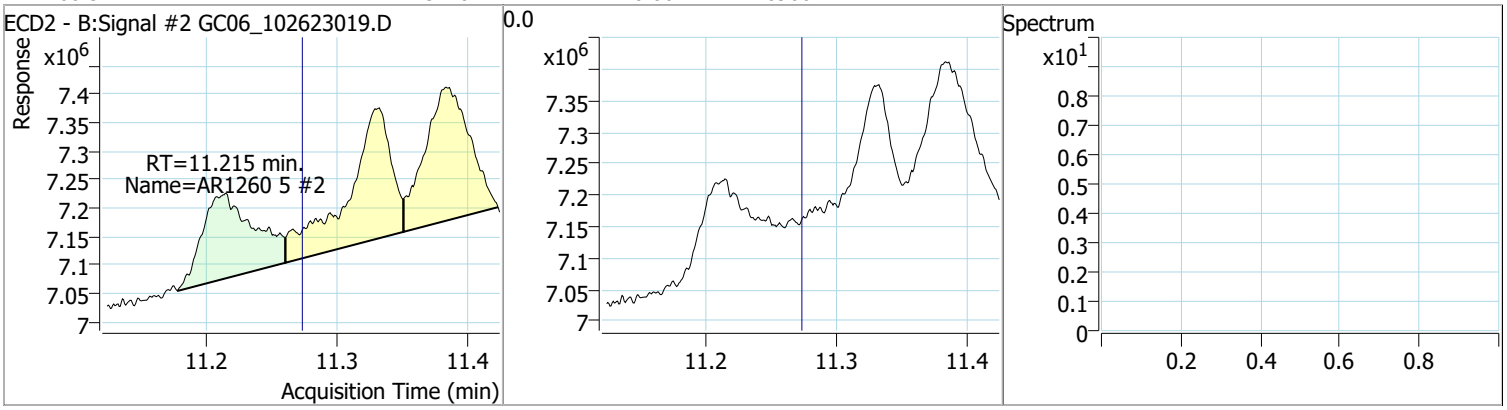
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	5.2296	10.48	0.05	40070				



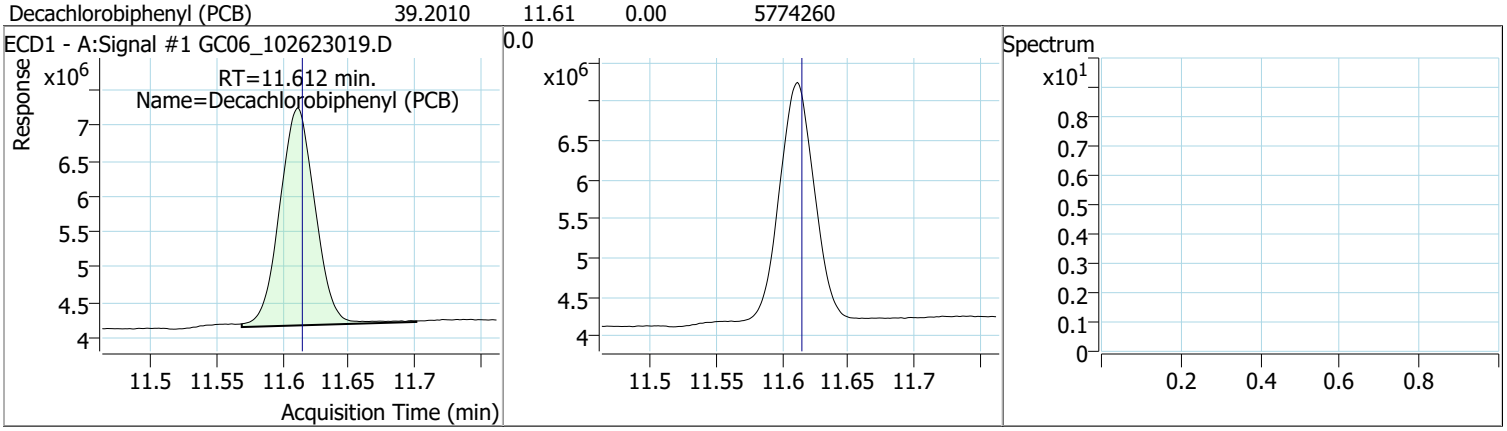
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	6.3395	10.64	0.01	139693				



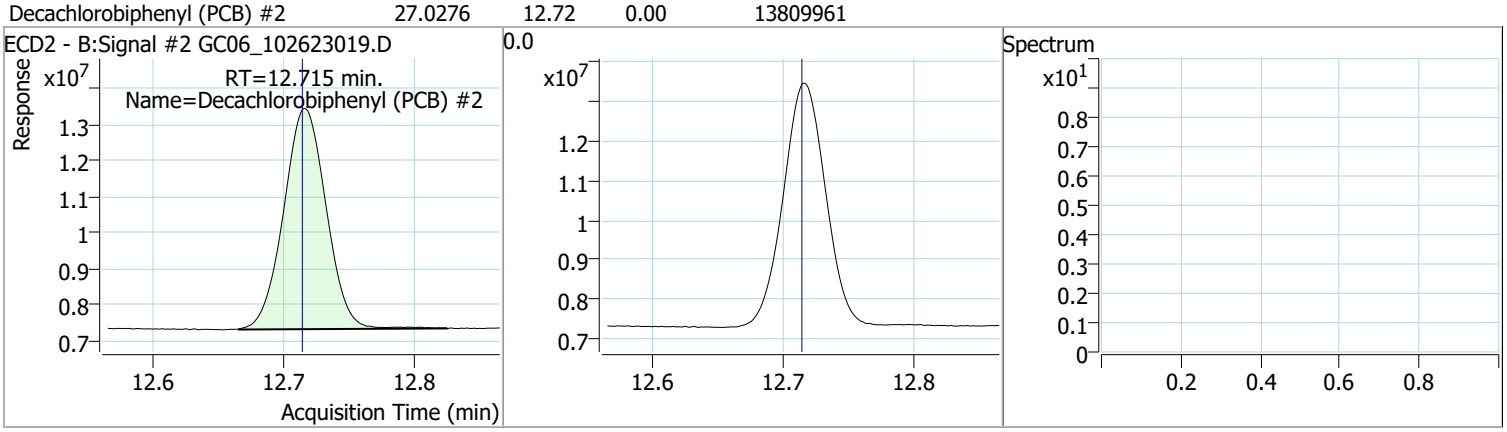
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.5440	11.22	-0.06	409662				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.2010	11.61	0.00	5774260				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.0276	12.72	0.00	13809961				



ENTHALPY SPIKE USER REPORT FOR 494548 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	453431278020.3	Seqnum:	453431278021.3
File:	gc06_102623020	File:	gc06_102623021
IDF:	1.0	IDF:	1.0
Lab ID:	QC1102662	Lab ID:	QC1102663
Matrix:	Wipe	Matrix:	Wipe
Batch:	325199	Batch:	325199
Time:	26-OCT-2023 18:22	Time:	26-OCT-2023 18:42
Cal:	453416704002	Cal:	453416704002
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	436.9	4.369	B	87	428.3	4.283	B	86	60-140	2	20	u
Aroclor-1016 Peak # 1		436.8	4.368	B		432.4	4.324	B					
Aroclor-1016 Peak # 2		442.0	4.420	B		430.0	4.300	B					
Aroclor-1016 Peak # 3		426.0	4.260	B		417.2	4.172	B					
Aroclor-1016 Peak # 4		441.4	4.414	B		432.4	4.324	B					
Aroclor-1016 Peak # 5		438.2	4.382	B		429.4	4.294	B					
Aroclor-1260	5.000	428.3	4.283	B	86	406.1	4.061	B	81	60-140	5	20	u
Aroclor-1260 Peak # 1		484.8	4.848	B		472.0	4.720	B					
Aroclor-1260 Peak # 2		481.1	4.811	B		467.1	4.671	B					
Aroclor-1260 Peak # 3		421.5	4.215	B		404.7	4.047	B					
Aroclor-1260 Peak # 4		425.8	4.258	B		408.8	4.088	B					
Aroclor-1260 Peak # 5		328.2	3.282	B		277.7	2.777	B					
Surrogates													
TCMX (PCB)	0.5000	37.58	0.3758	B	75	36.35	0.3635	B	73	19-121			u
Decachlorobiphenyl (PCB)	0.5000	33.14	0.3314	B	66	33.37	0.3337	B	67	19-121			c- u

ISTD (CCV gc06_102623004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	12642161	26.76
1-bromo-2-nitrobenzene (PCB)	A	3468805	3291895	-5.10

ISTD (CCV gc06_102623004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

ISTD (CCV gc06_102623004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9973447	13548882	35.85
1-bromo-2-nitrobenzene (PCB)	A	3468805	3654315	5.35

ISTD (CCV gc06_102623004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.16	4.16	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.96	3.96	0.00

10/27/23 : WIPE/1DM^2-10ML [general version]

TRN 10/27/23 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for all channels for spike & dup. [general version]

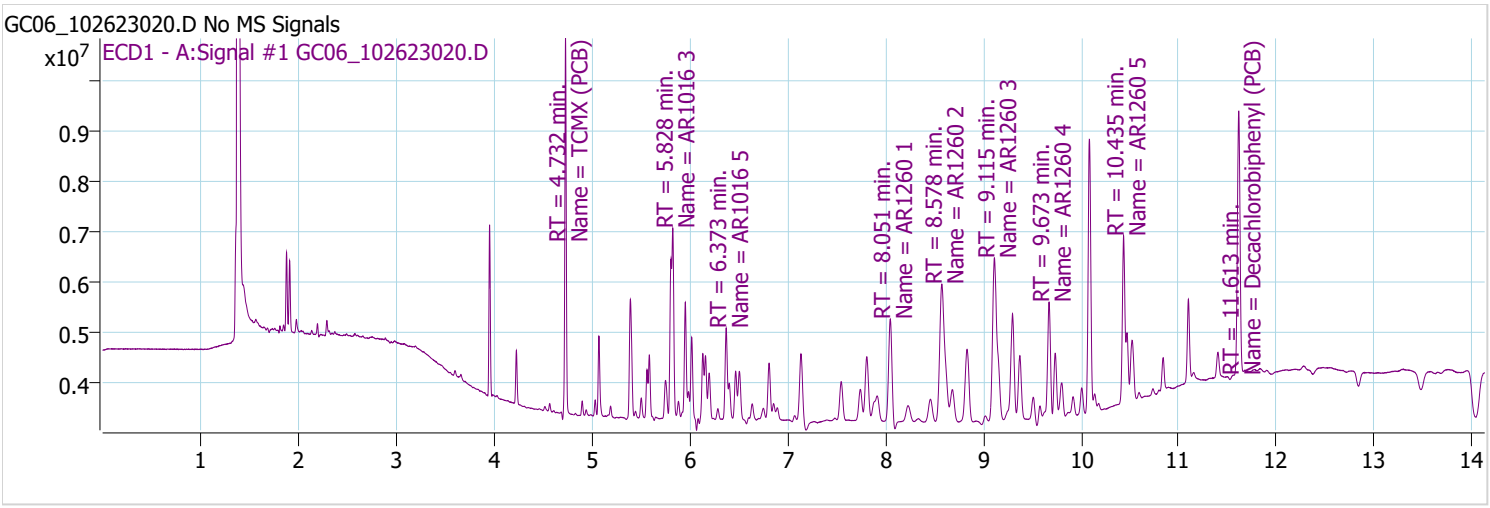
TRN 10/27/23 [Aroclor-1260 Peak # 4 B]: Corrected fronting or tailing peak integration for Ch. B for spike & dup. [general version]

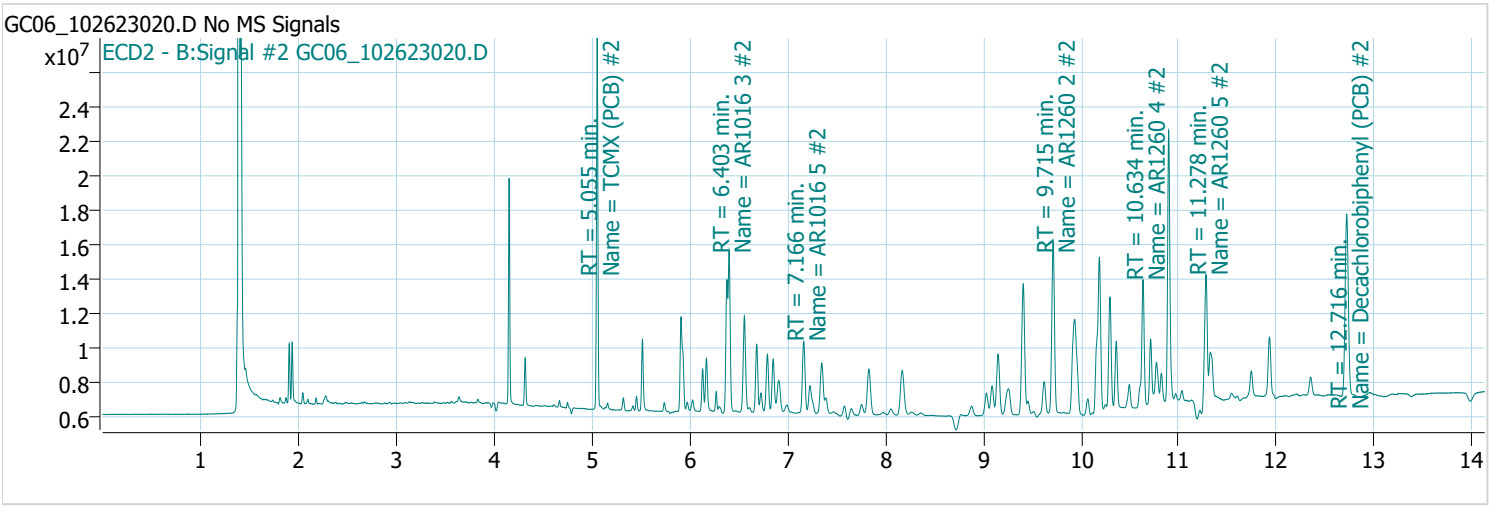
-=low bias c=CCV u=use

Analyst: TRN 10/27/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623020.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 6:22:00 PM
Sample Name	QC1102662, 325199, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



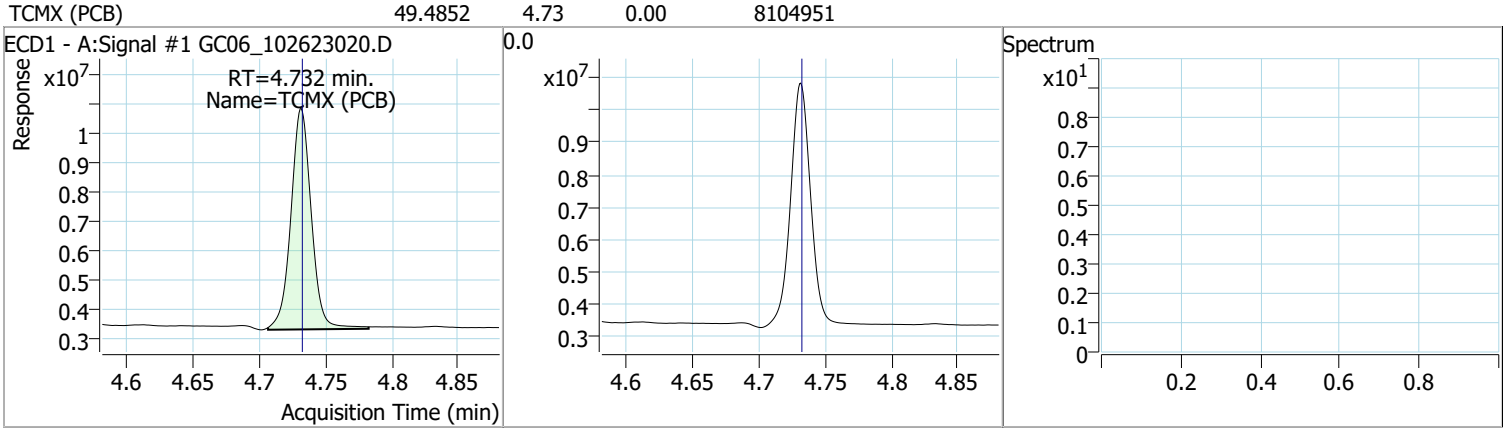


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.955	0.0	3291894.562	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	12642161.190	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.732	0.0	8104951.038	49.4852	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 247.43%		*	
S TCMX (PCB) #2	5.055	0.0	22331369.108	37.5782	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.89%		*	
S Decachlorobiphenyl (PCB)	11.613	0.0	10191918.499	48.5344	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 242.67%		*	
S Decachlorobiphenyl (PCB) #2	12.716	0.0	24052084.547	33.1437	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.72%		*	
Target Compounds							QValue

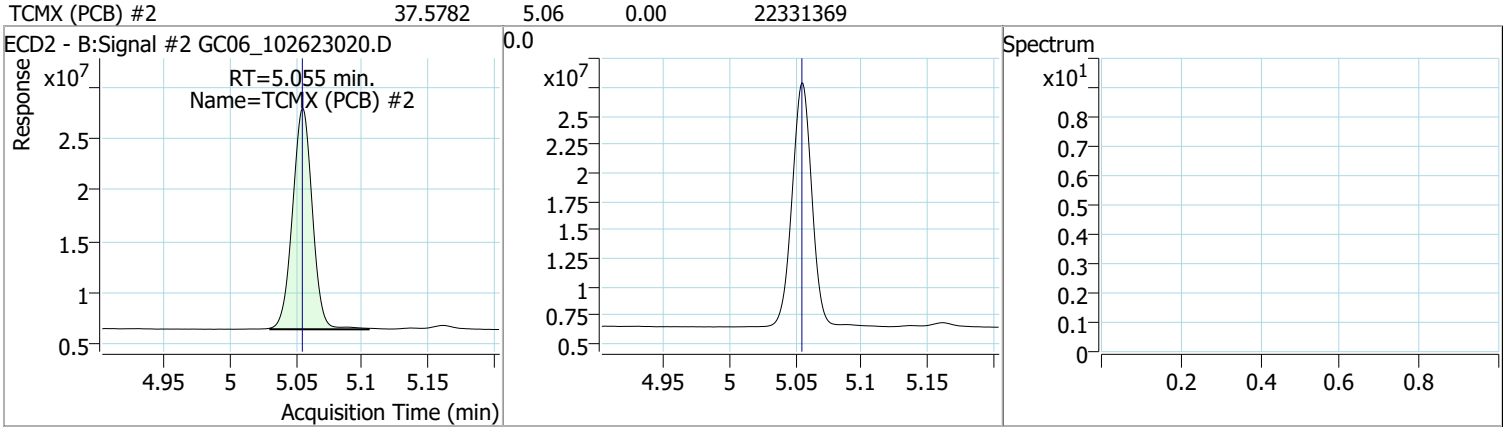
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.073	0.0	1933465.926	541.1514	ng/ml		100
T AR1016 2	5.394	0.0	3963158.357	552.6556	ng/ml		100
T AR1016 1 #2	5.518	0.0	5106613.023	436.8329	ng/ml		100
T AR1016 3	5.828	0.0	5125433.958	590.5917	ng/ml	m	100
T AR1016 2 #2	5.913	0.0	10782852.038	441.9884	ng/ml		100
T AR1016 4	5.956	0.0	3758470.737	654.3762	ng/ml	m	100
T AR1016 5	6.373	0.0	2883058.815	557.8104	ng/ml		100
T AR1016 3 #2	6.403	0.0	13828763.474	425.9807	ng/ml		100
T AR1016 4 #2	6.559	0.0	9625889.437	441.3869	ng/ml		100
T AR1016 5 #2	7.166	0.0	7894328.082	438.1631	ng/ml		100
T AR1260 1	8.051	0.0	5139877.816	516.4320	ng/ml		100
T AR1260 2	8.578	0.0	10008008.515	645.3208	ng/ml		100
T AR1260 3	9.115	0.0	10874466.826	667.7566	ng/ml		100
T AR1260 1 #2	9.409	0.0	16225563.502	484.7762	ng/ml		100
T AR1260 4	9.673	0.0	4627405.847	540.5590	ng/ml		100
T AR1260 2 #2	9.715	0.0	19427358.908	481.0915	ng/ml		100
T AR1260 3 #2	10.188	0.0	21695359.916	421.4591	ng/ml		100
T AR1260 5	10.435	0.0	6017060.880	550.8396	ng/ml		100
T AR1260 4 #2	10.634	0.0	13325489.250	425.7930	ng/ml	m	100
T AR1260 5 #2	11.278	0.0	15223807.009	328.2232	ng/ml		100

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

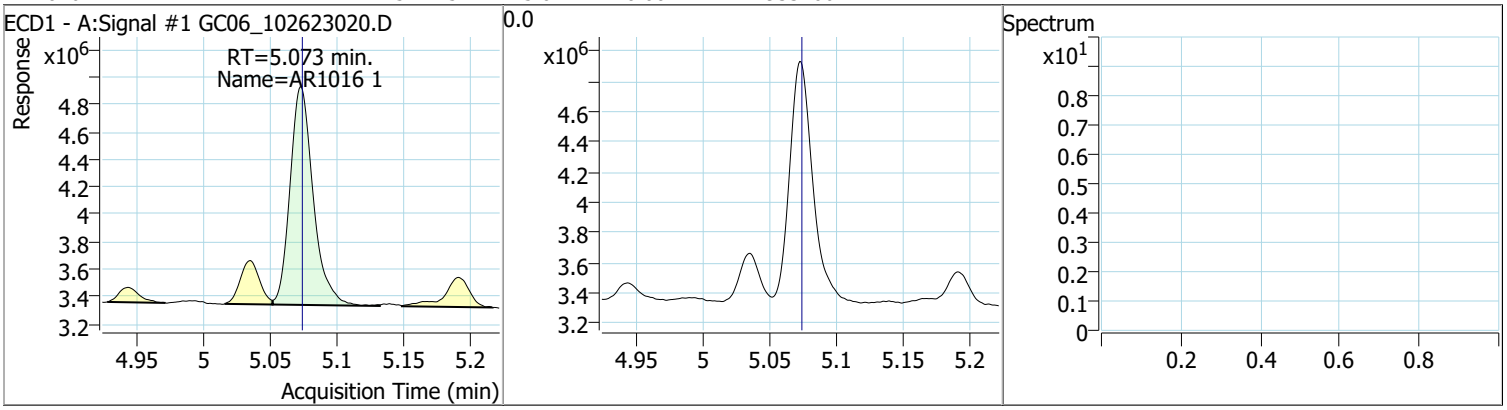
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.4852	4.73	0.00	8104951				



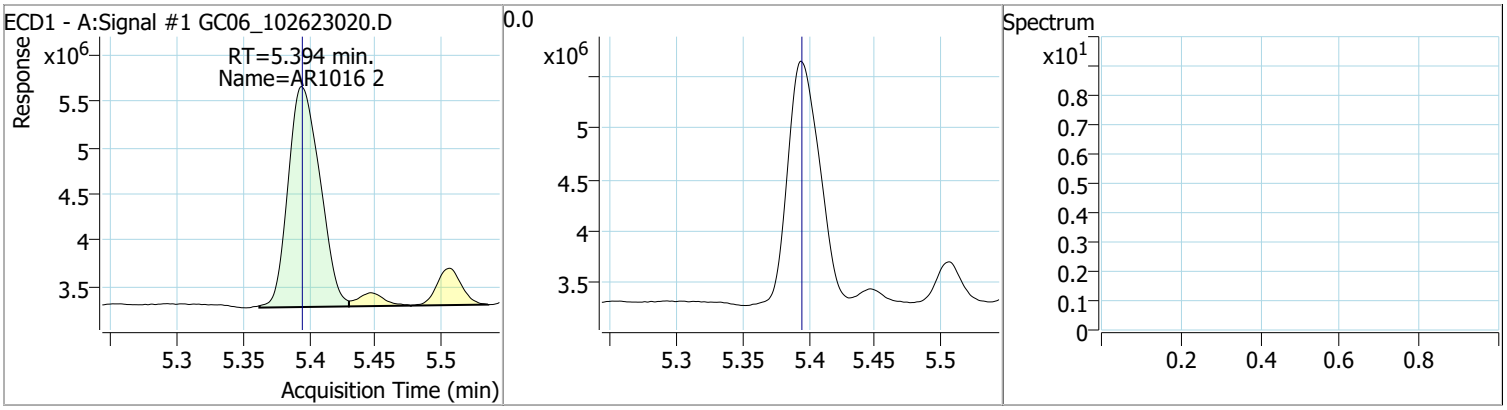
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.5782	5.06	0.00	22331369				



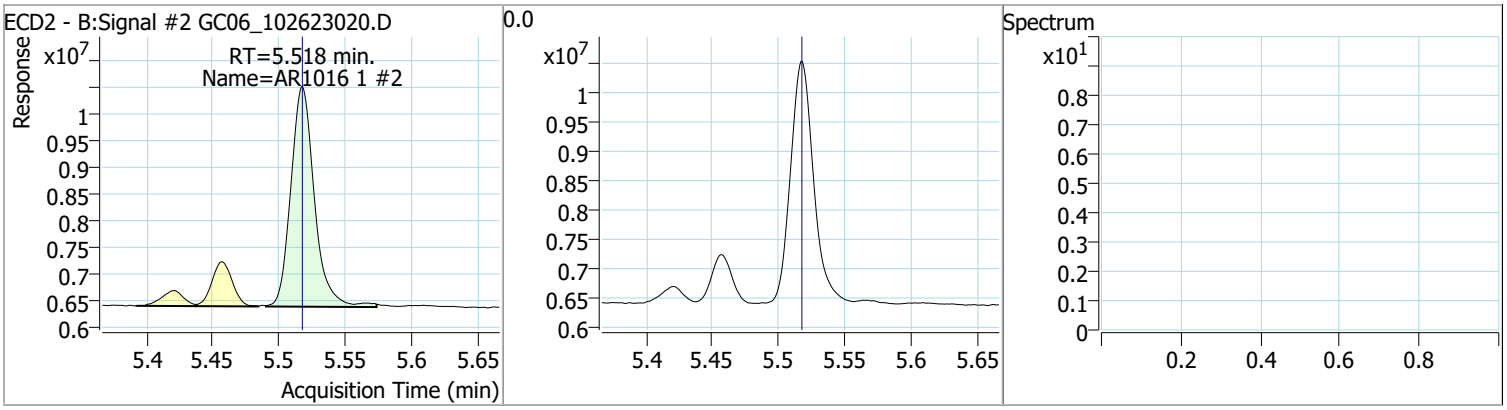
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	541.1514	5.07	0.00	1933466				



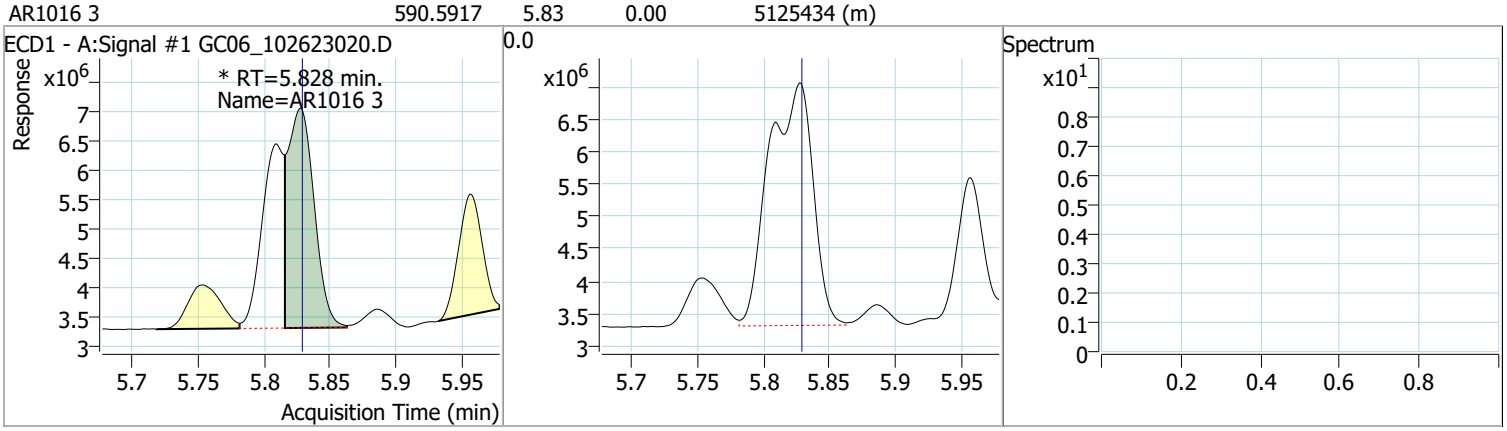
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	552.6556	5.39	0.00	3963158				



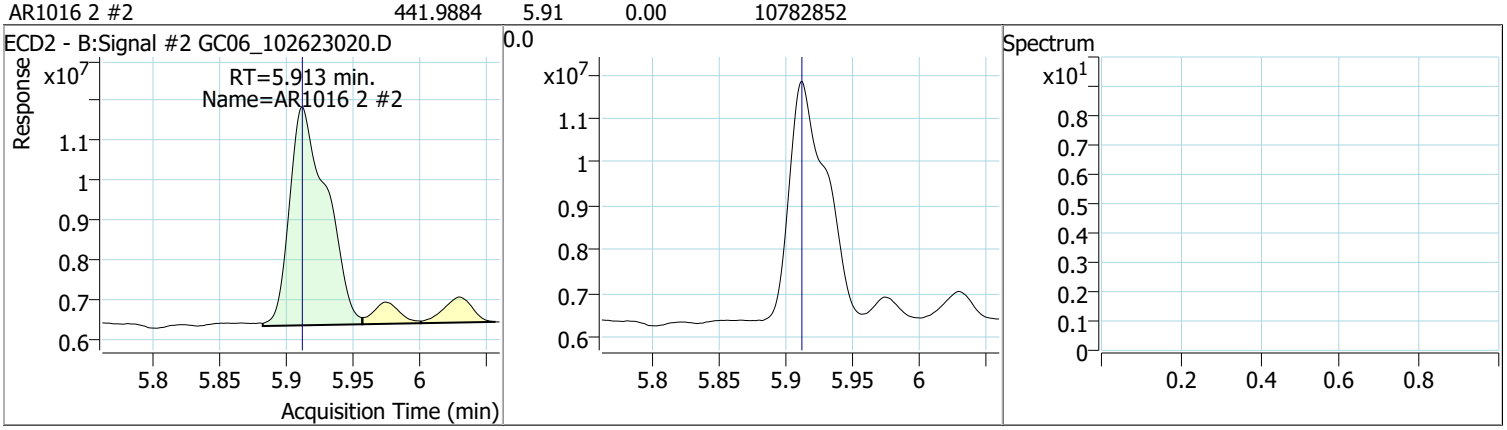
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	436.8329	5.52	0.00	5106613				



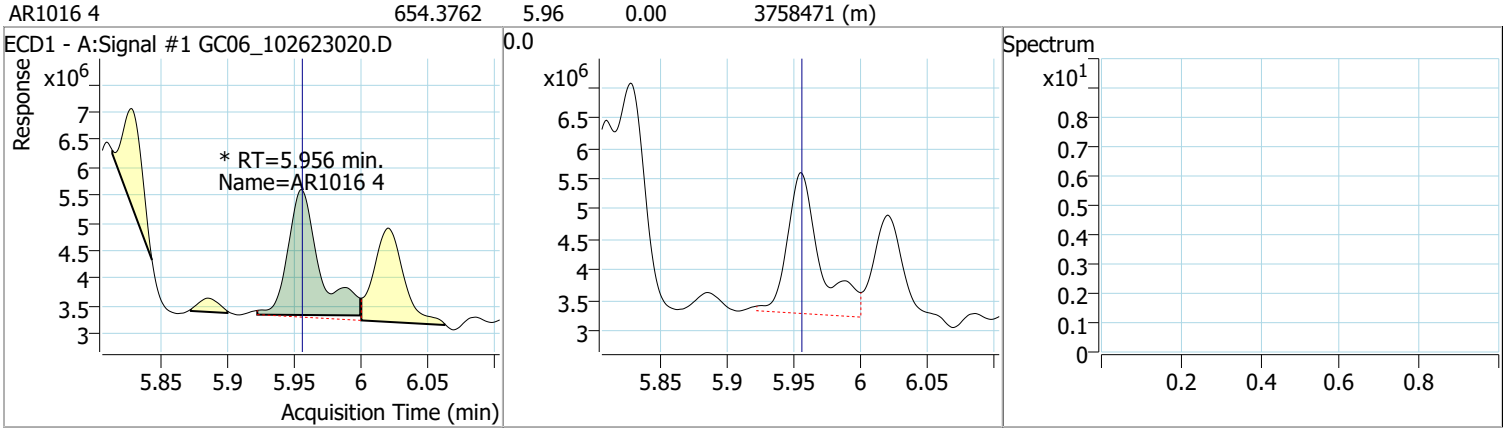
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	590.5917	5.83	0.00	5125434 (m)				



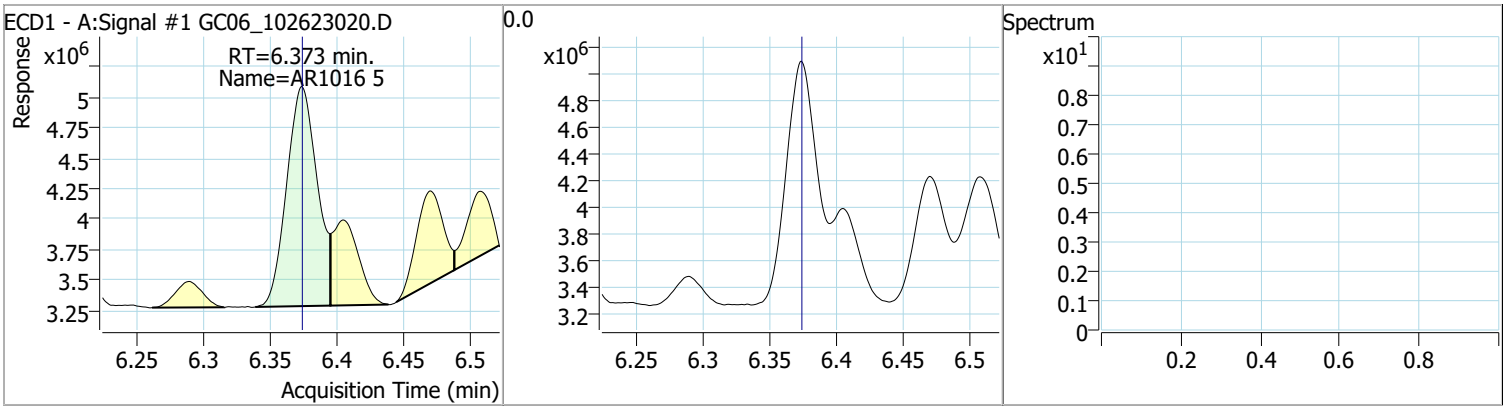
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	441.9884	5.91	0.00	10782852				



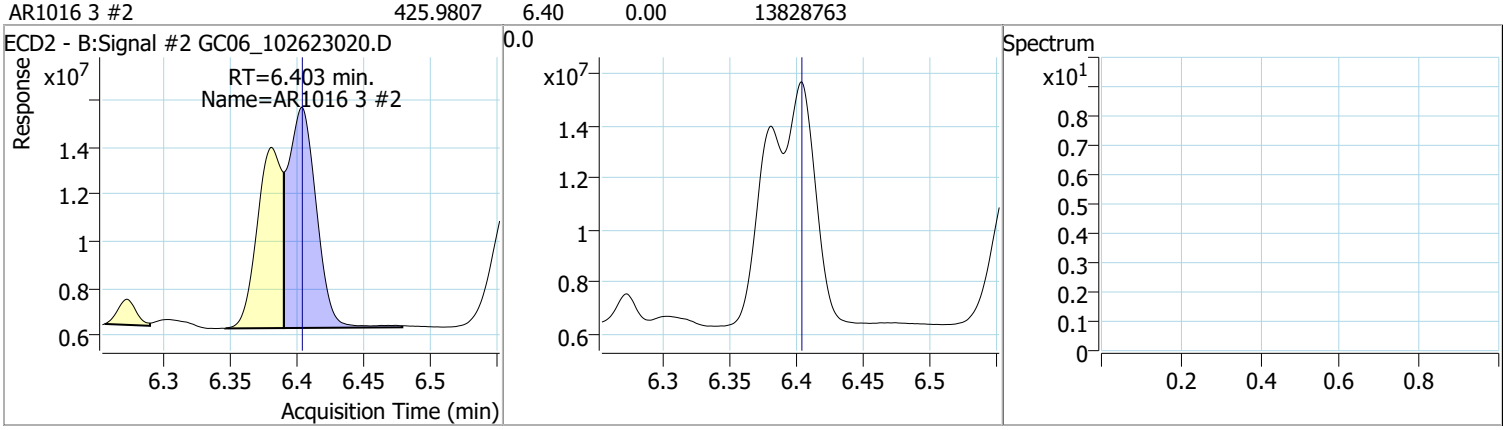
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	654.3762	5.96	0.00	3758471 (m)				



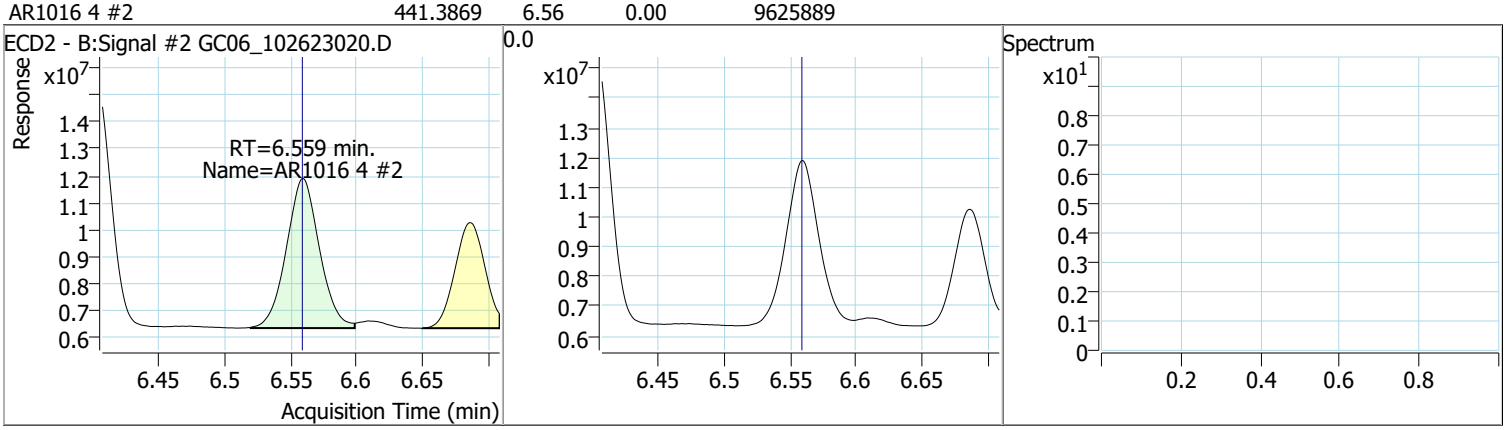
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	557.8104	6.37	0.00	2883059				



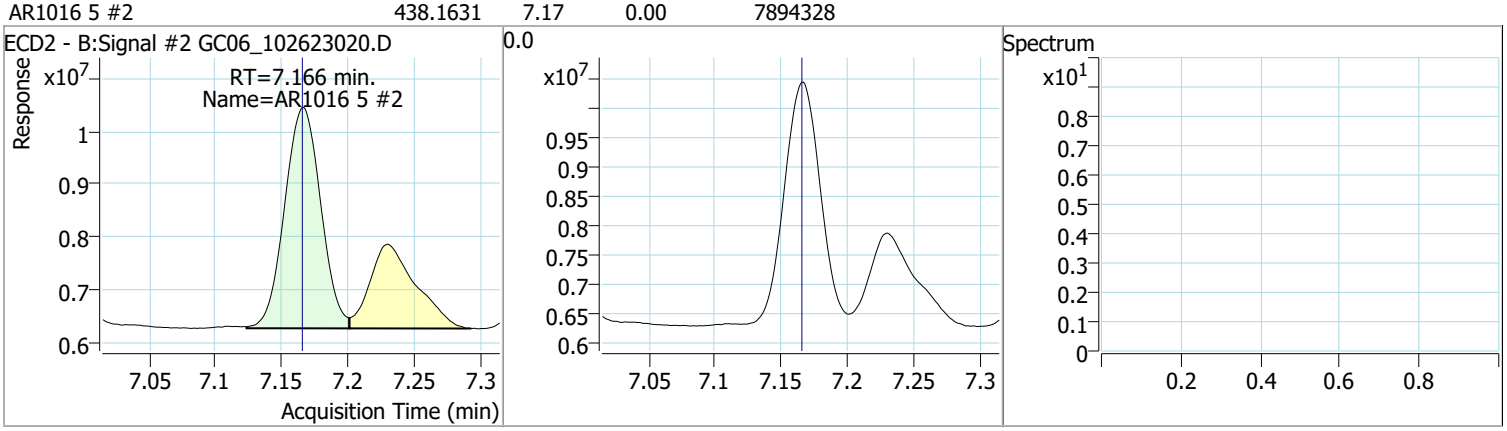
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	425.9807	6.40	0.00	13828763				



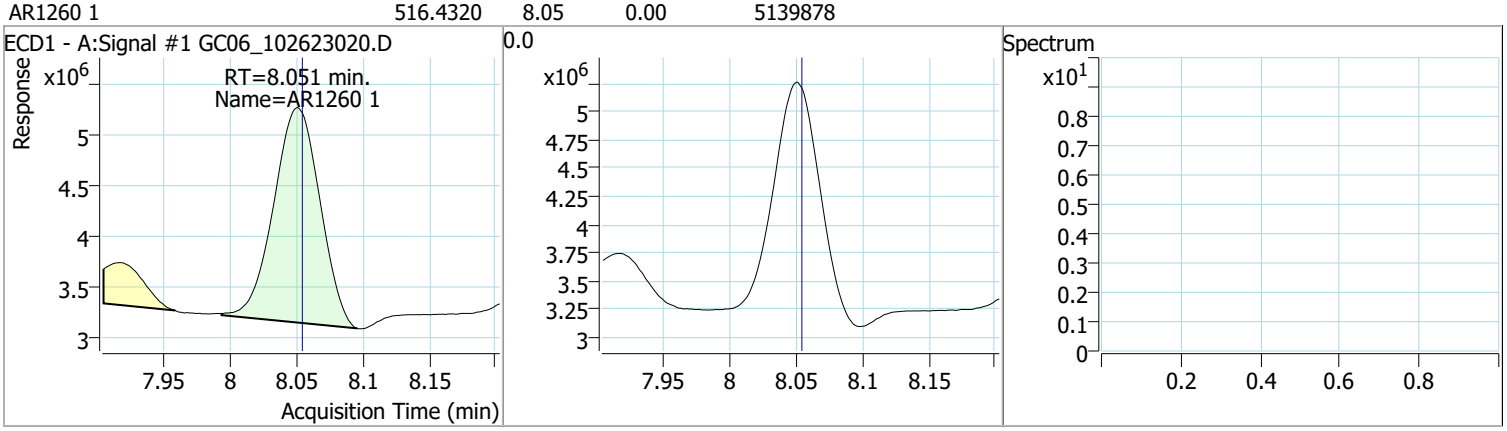
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	441.3869	6.56	0.00	9625889				



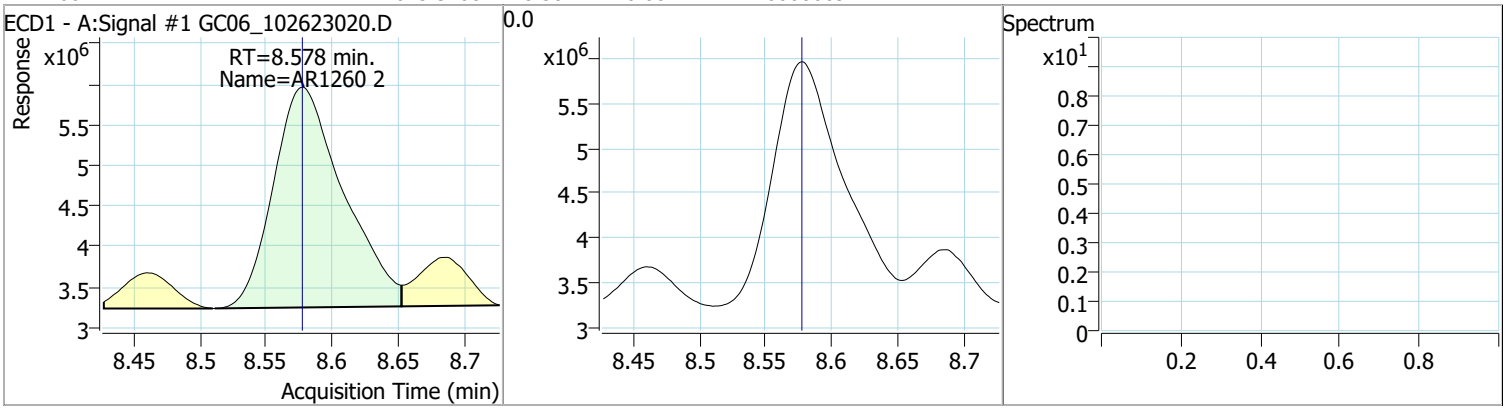
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	438.1631	7.17	0.00	7894328				



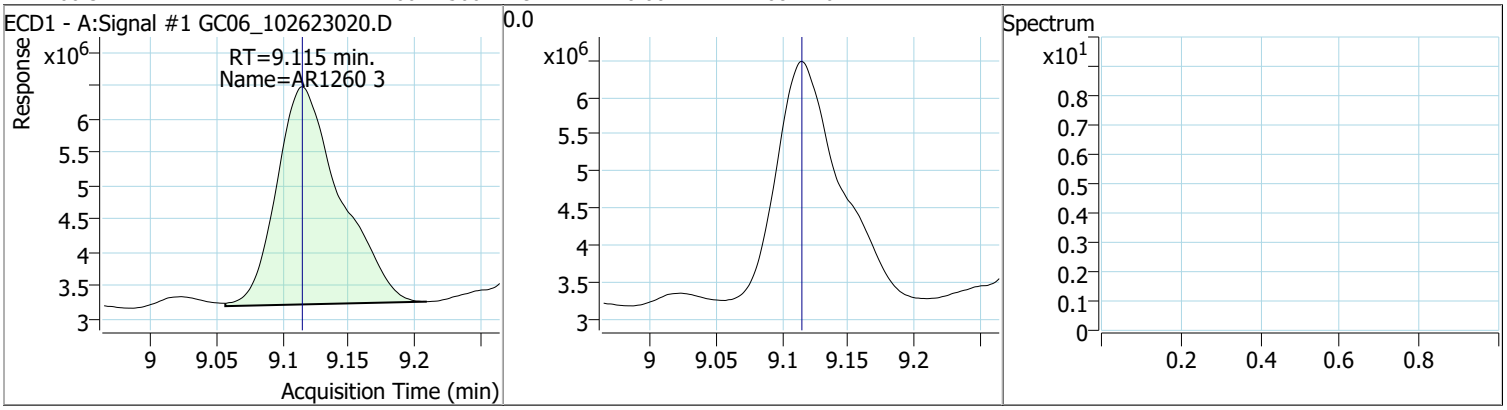
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	516.4320	8.05	0.00	5139878				



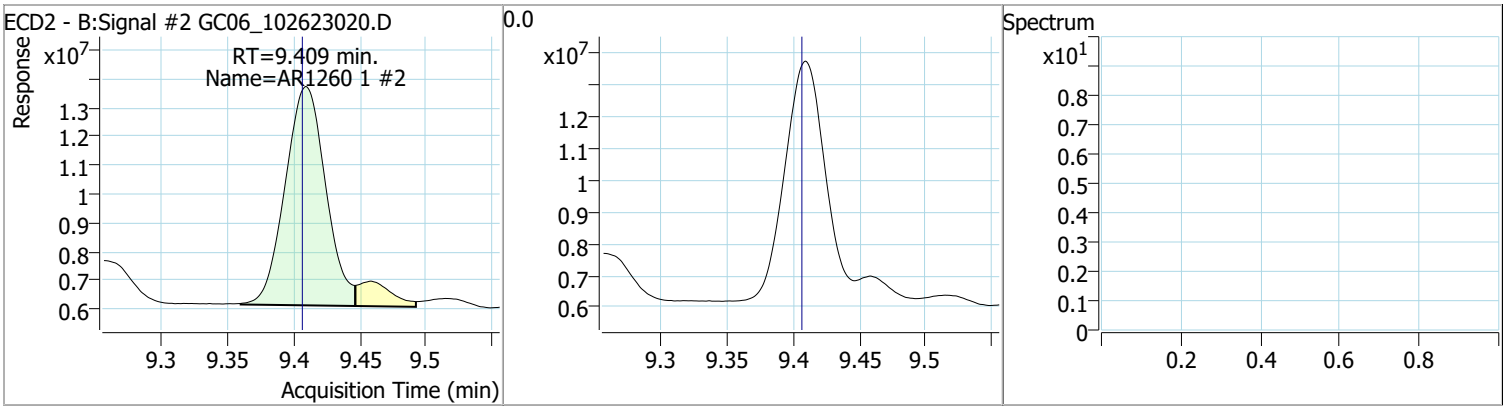
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	645.3208	8.58	0.00	10008009				



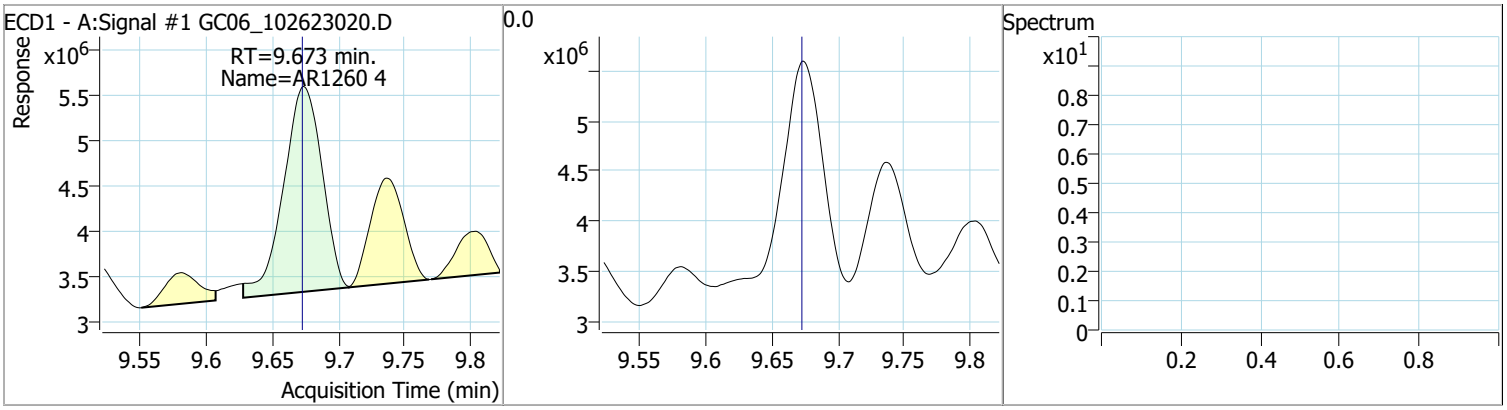
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	667.7566	9.12	0.00	10874467				



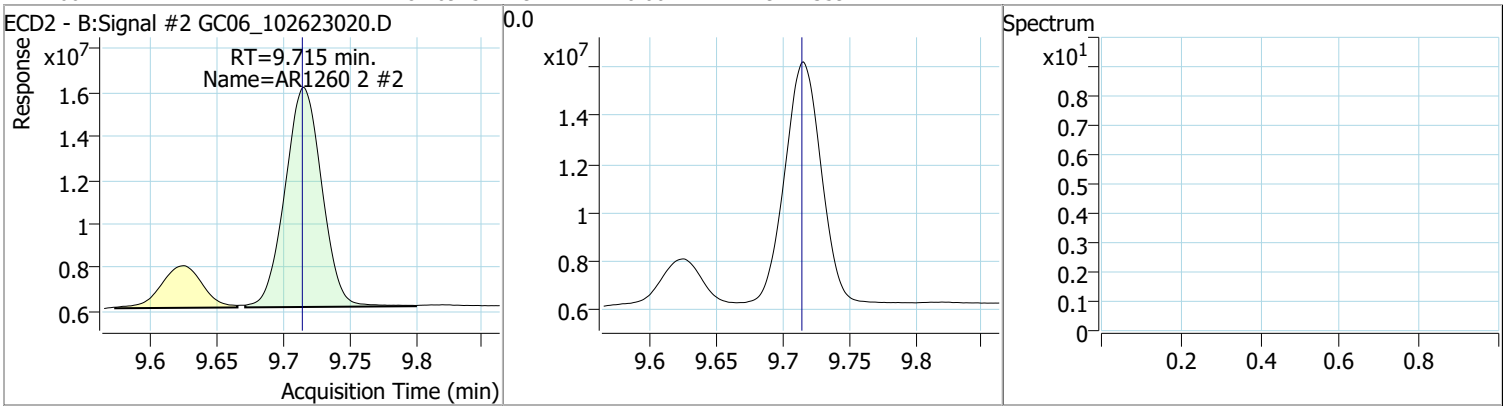
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	484.7762	9.41	0.00	16225564				



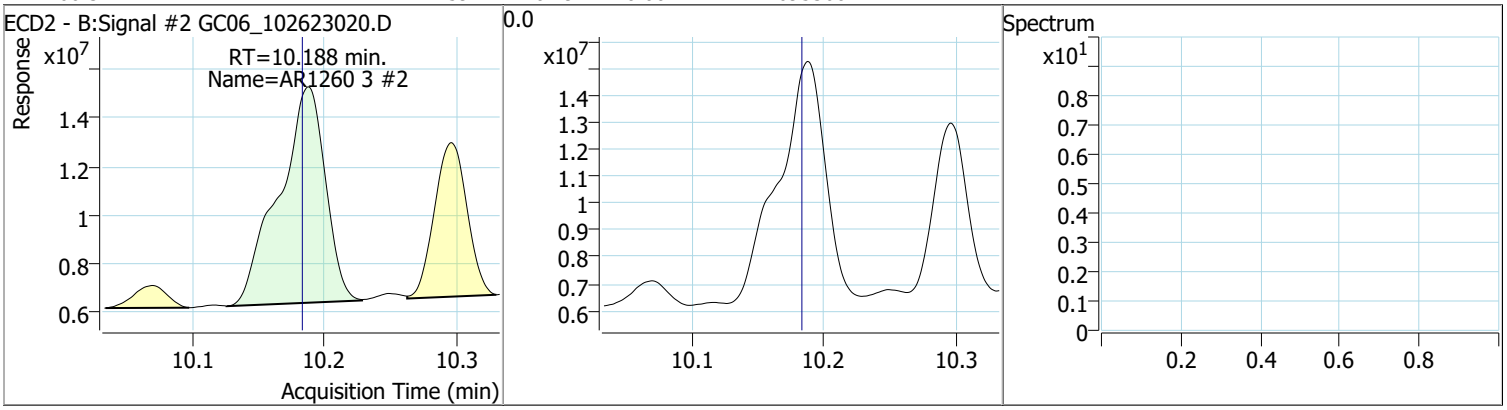
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	540.5590	9.67	0.00	4627406				



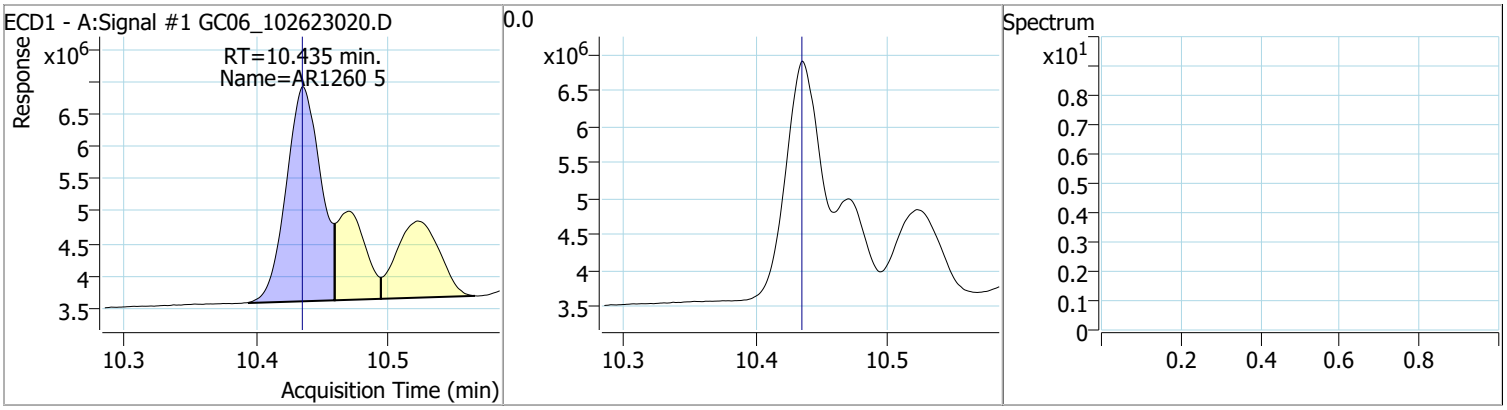
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	481.0915	9.72	0.00	19427359				



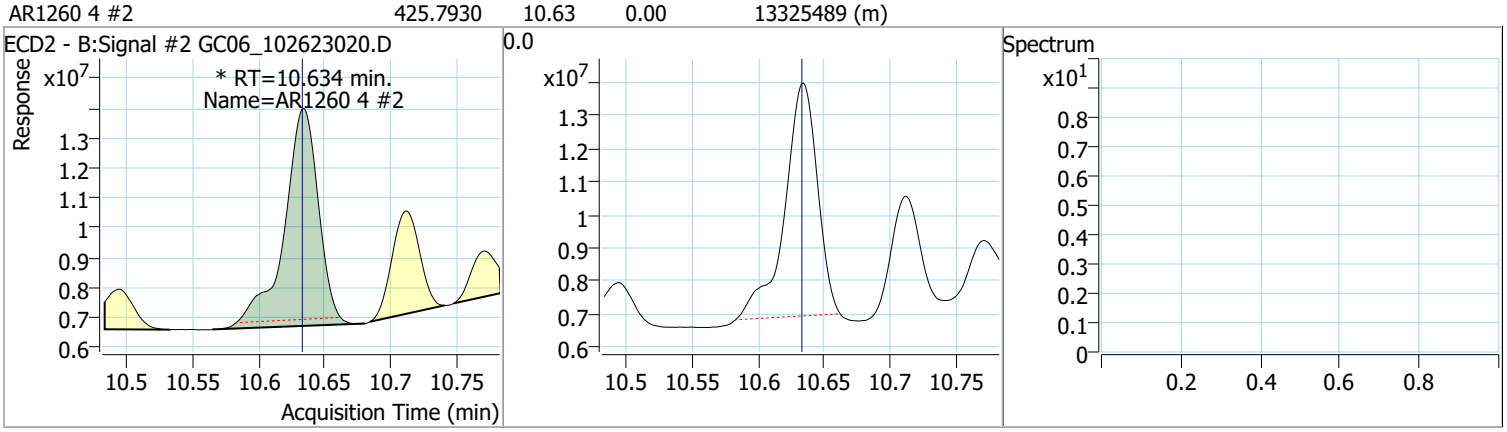
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	421.4591	10.19	0.00	21695360				



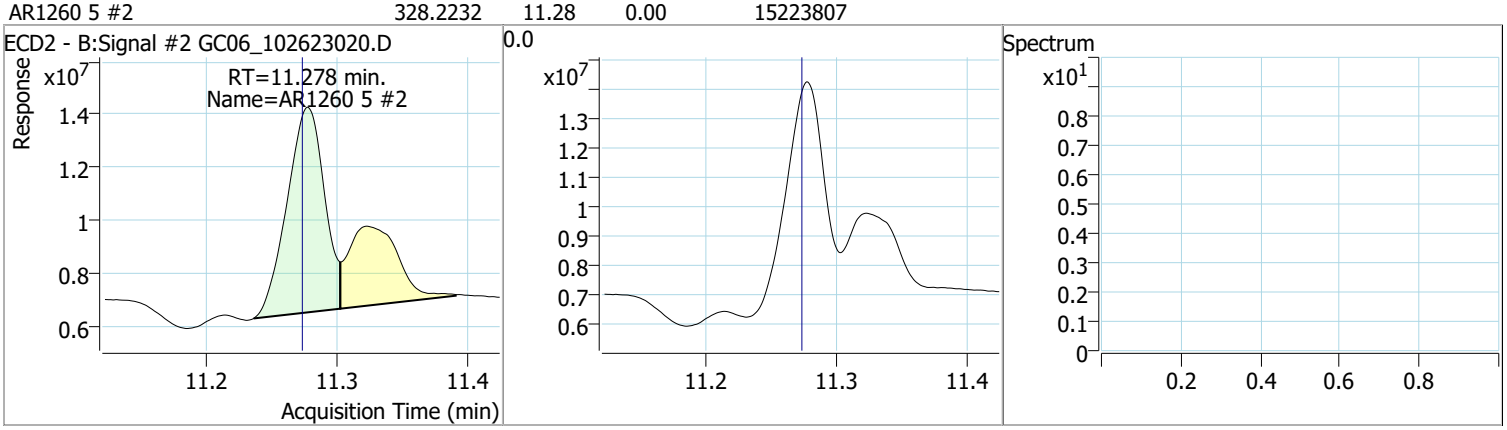
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	550.8396	10.44	0.00	6017061				



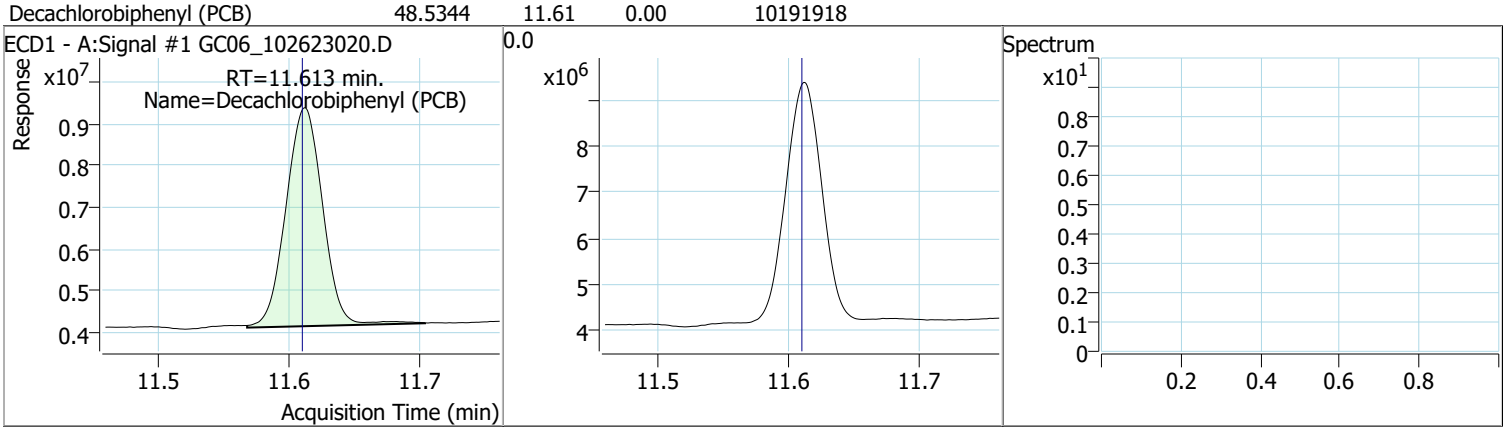
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	425.7930	10.63	0.00	13325489 (m)				



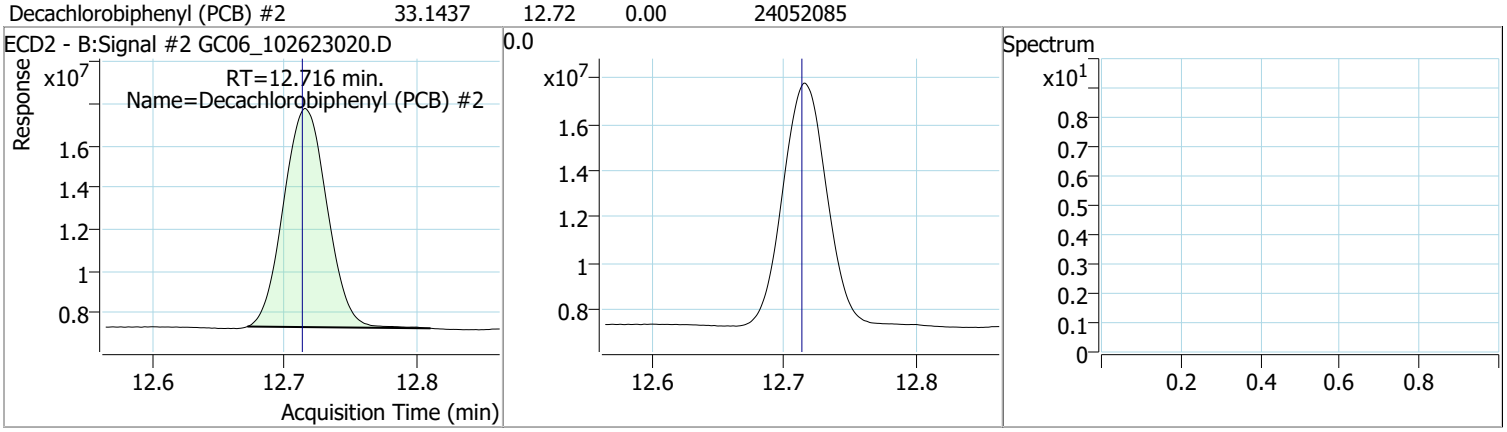
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	328.2232	11.28	0.00	15223807				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	48.5344	11.61	0.00	10191918				

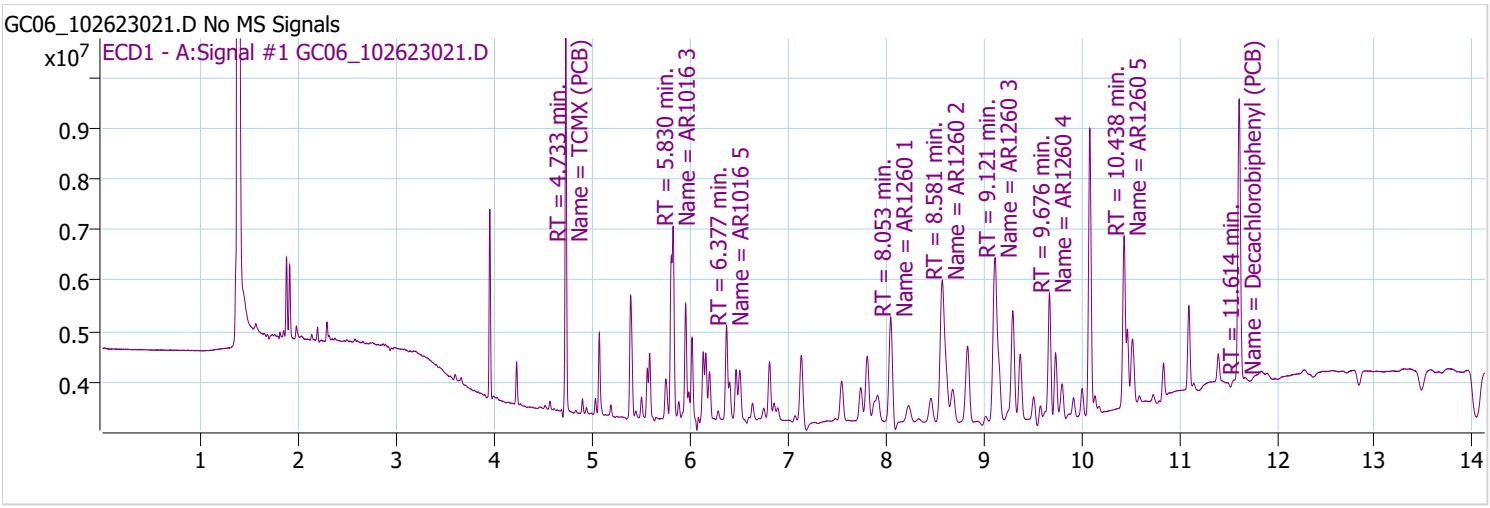


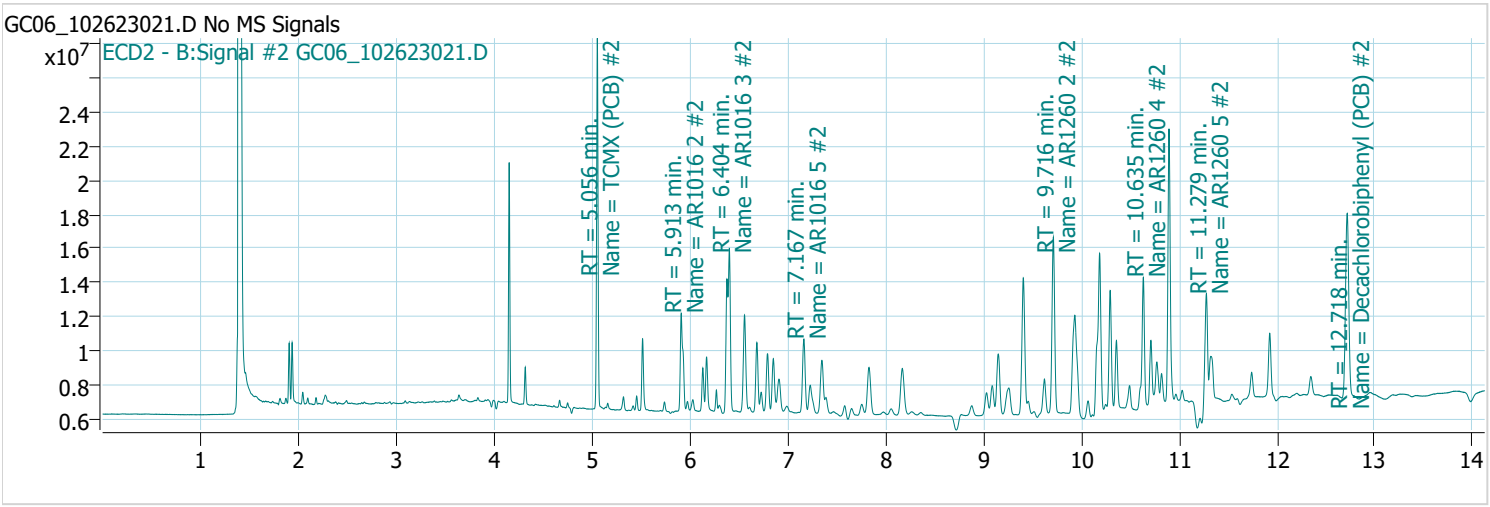
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.1437	12.72	0.00	24052085				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102623021.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 6:42:13 PM
Sample Name	QC1102663, 325199, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	WIPE/1DM^2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



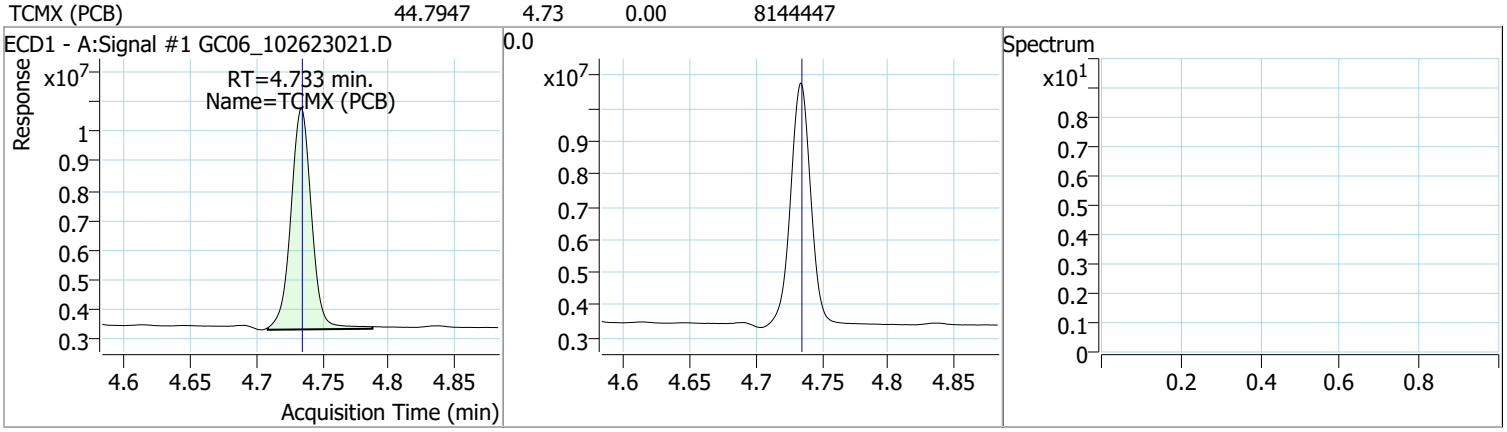


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.957	0.0	3654314.895	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.155	0.0	13548882.079	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	8144447.360	44.7947	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.97%		*	
S TCMX (PCB) #2	5.056	0.0	23153970.752	36.3550	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.77%		*	
S Decachlorobiphenyl (PCB)	11.614	0.0	11062402.765	47.4551	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 237.28%		*	
S Decachlorobiphenyl (PCB) #2	12.718	0.0	25956622.126	33.3745	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.87%		*	
Target Compounds							QValue

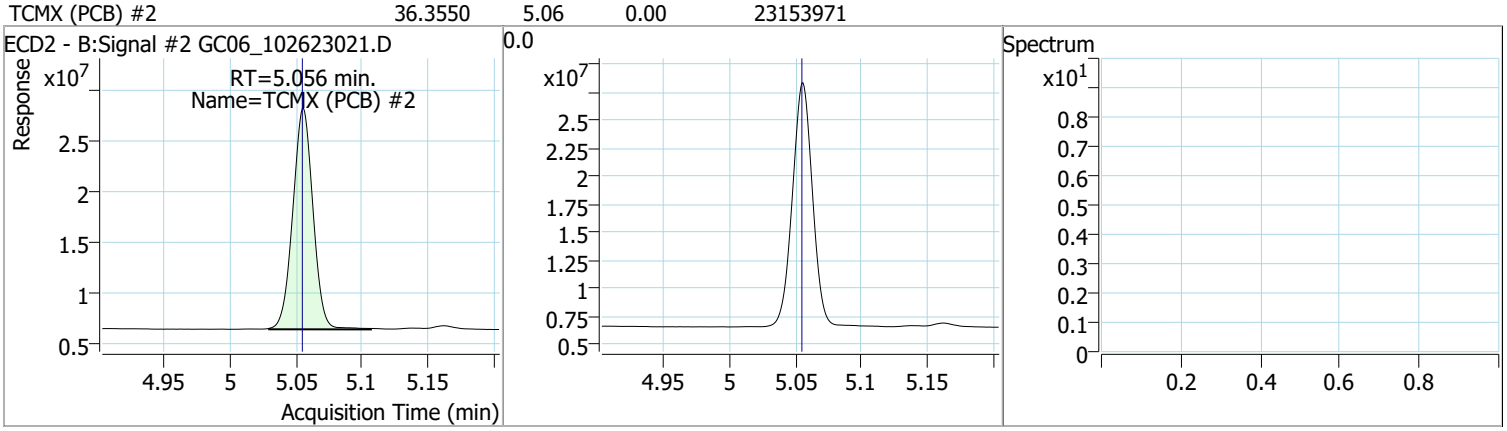
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.076	0.0	2003393.228	505.1128	ng/ml		100
T AR1016 2	5.397	0.0	4031560.277	506.4380	ng/ml		100
T AR1016 1 #2	5.518	0.0	5417586.973	432.4204	ng/ml		100
T AR1016 3	5.830	0.0	5373652.533	557.7843	ng/ml	m	100
T AR1016 2 #2	5.913	0.0	11242711.400	429.9977	ng/ml		100
T AR1016 4	5.958	0.0	3900730.736	611.7898	ng/ml		100
T AR1016 5	6.377	0.0	2949964.413	514.1500	ng/ml		100
T AR1016 3 #2	6.404	0.0	14516735.217	417.2472	ng/ml		100
T AR1016 4 #2	6.559	0.0	10105804.585	432.3817	ng/ml		100
T AR1016 5 #2	7.167	0.0	8292196.408	429.4455	ng/ml		100
T AR1260 1	8.053	0.0	5748730.301	520.3220	ng/ml		100
T AR1260 2	8.581	0.0	10187809.762	591.7643	ng/ml		100
T AR1260 3	9.121	0.0	11156457.867	617.1298	ng/ml		100
T AR1260 1 #2	9.408	0.0	16930236.985	471.9787	ng/ml		100
T AR1260 4	9.676	0.0	4705209.030	495.1358	ng/ml		100
T AR1260 2 #2	9.716	0.0	20217534.414	467.1539	ng/ml		100
T AR1260 3 #2	10.188	0.0	22328738.095	404.7348	ng/ml		100
T AR1260 5	10.438	0.0	6224070.540	513.2810	ng/ml		100
T AR1260 4 #2	10.635	0.0	13711649.775	408.8113	ng/ml	m	100
T AR1260 5 #2	11.279	0.0	13806778.698	277.7514	ng/ml		100

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

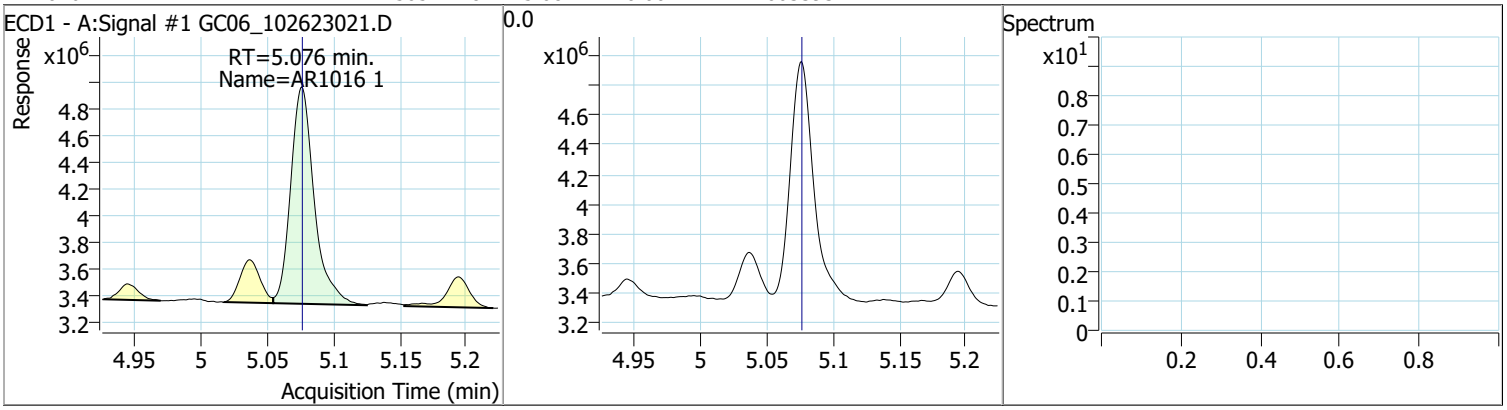
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.7947	4.73	0.00	8144447				



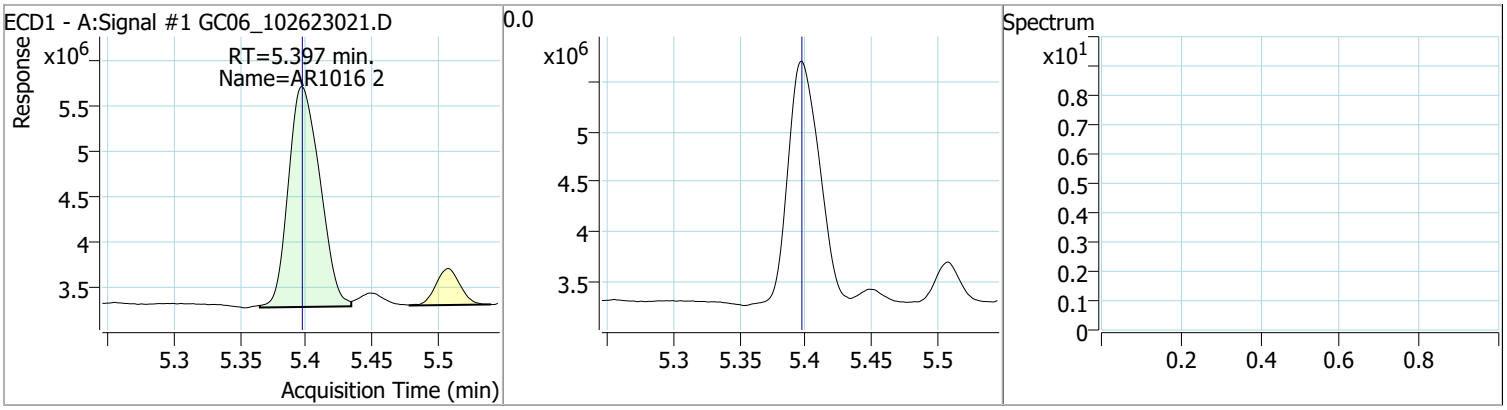
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.3550	5.06	0.00	23153971				



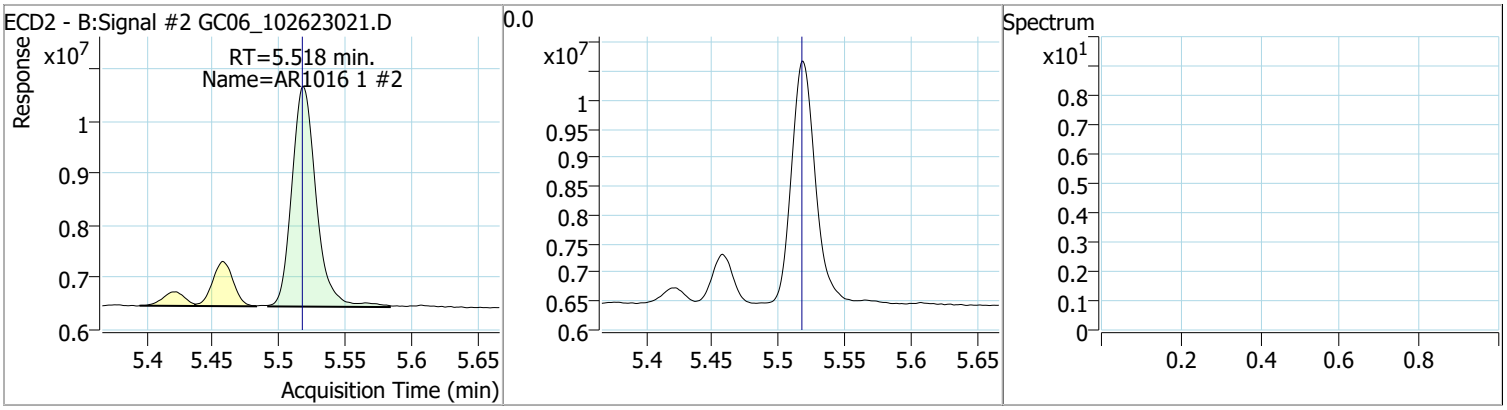
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	505.1128	5.08	0.00	2003393				



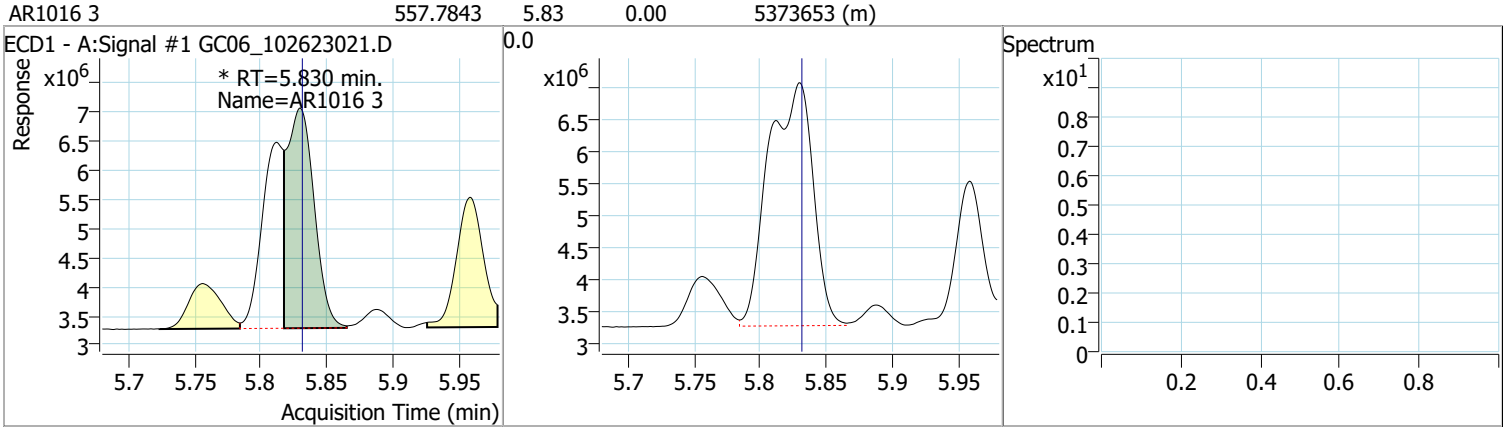
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	506.4380	5.40	0.00	4031560				



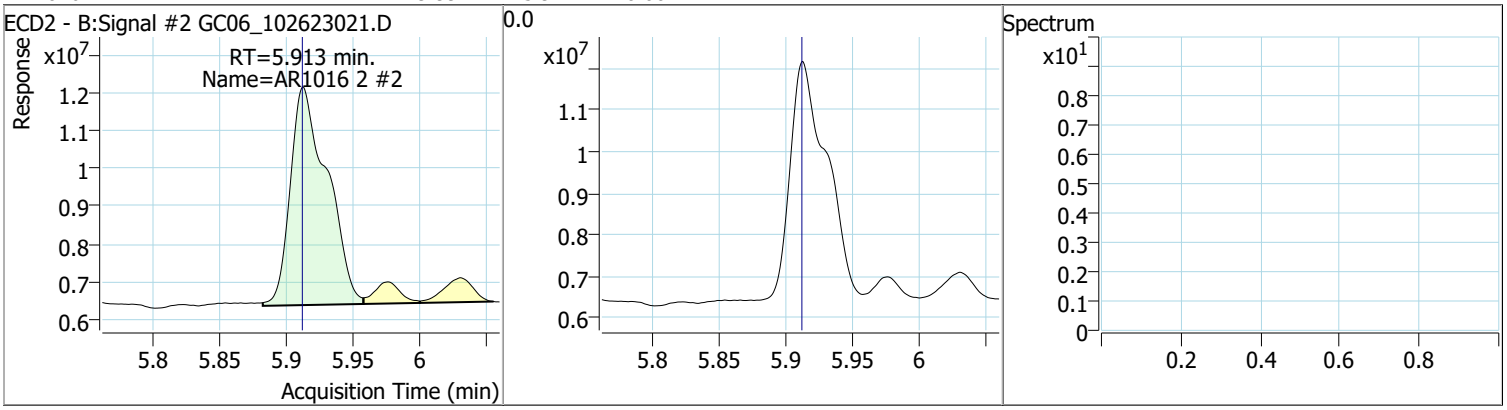
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	432.4204	5.52	0.00	5417587				



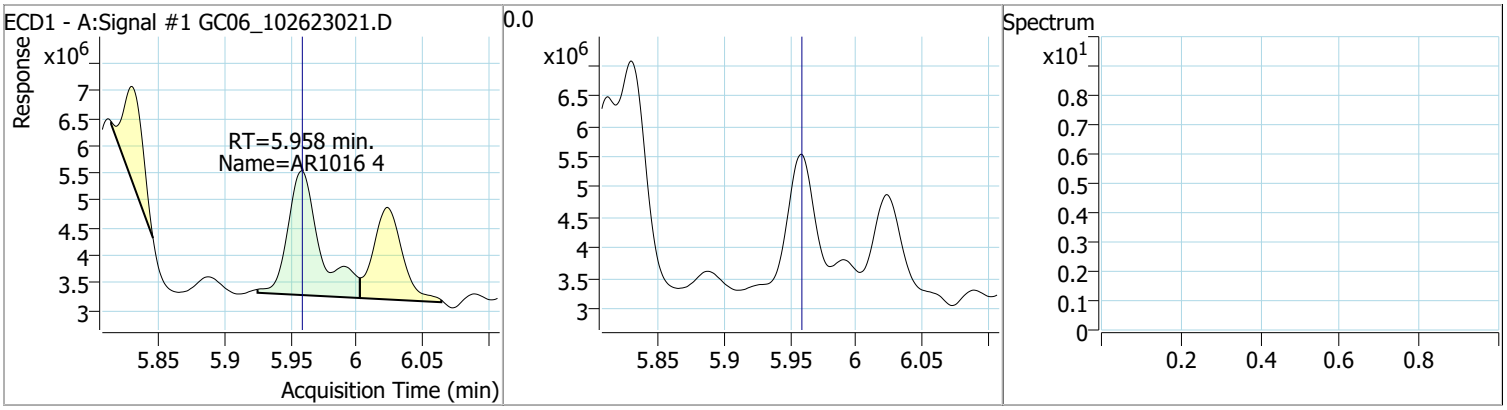
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	557.7843	5.83	0.00	5373653 (m)				



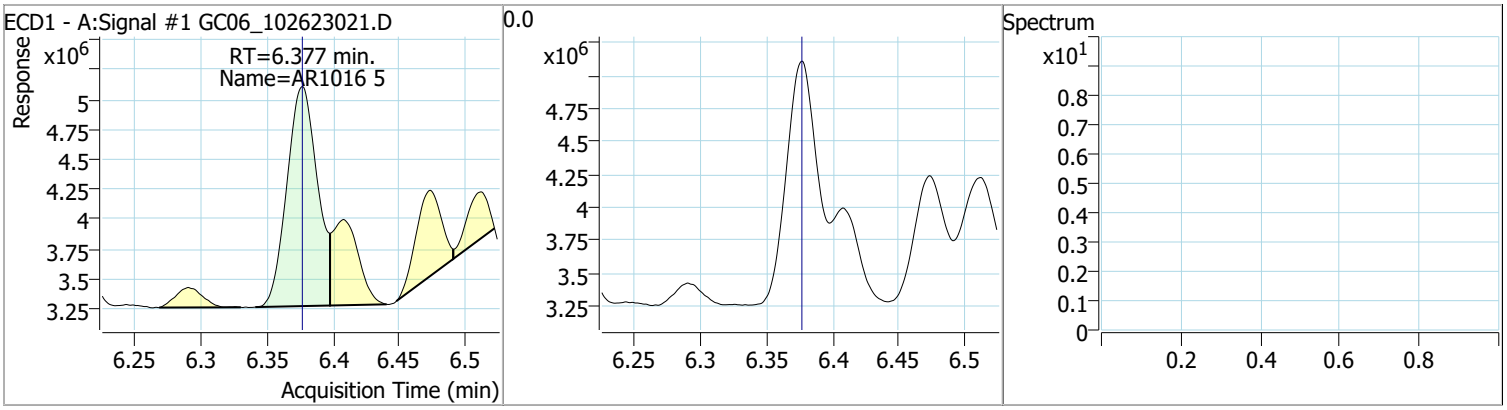
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	429.9977	5.91	0.00	11242711				



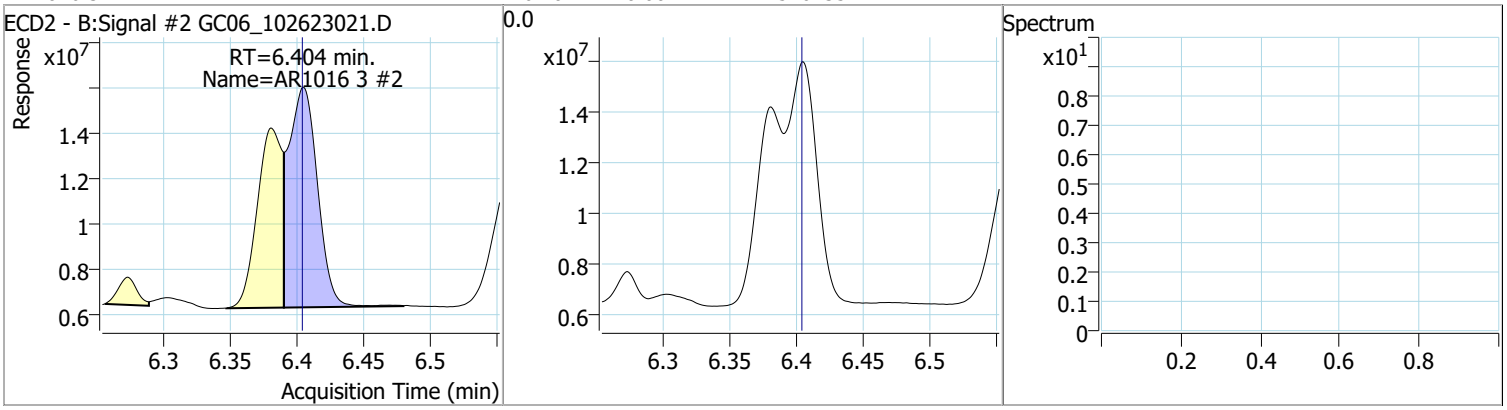
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	611.7898	5.96	0.00	3900731				



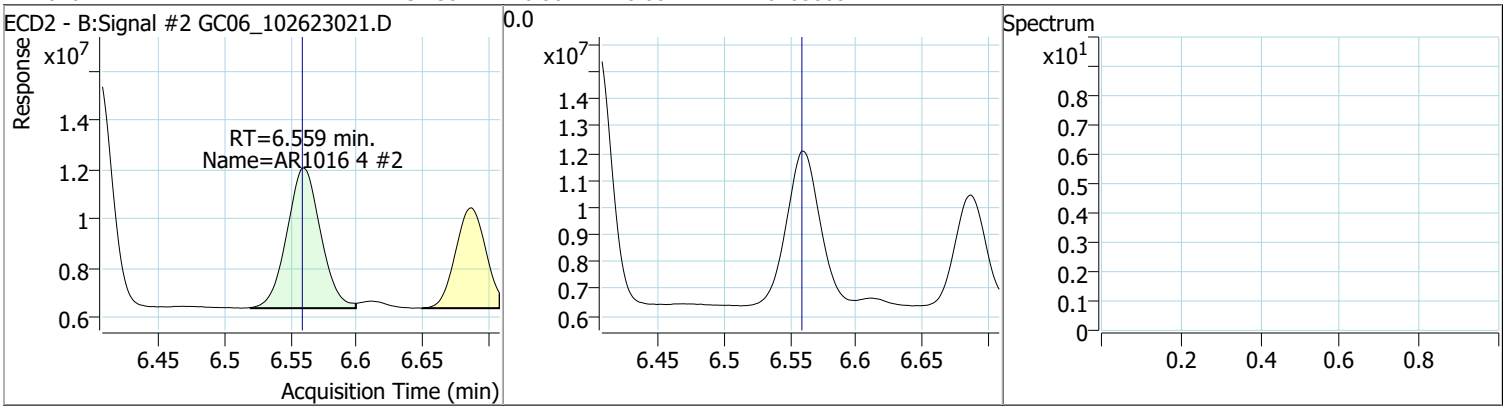
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	514.1500	6.38	0.00	2949964				



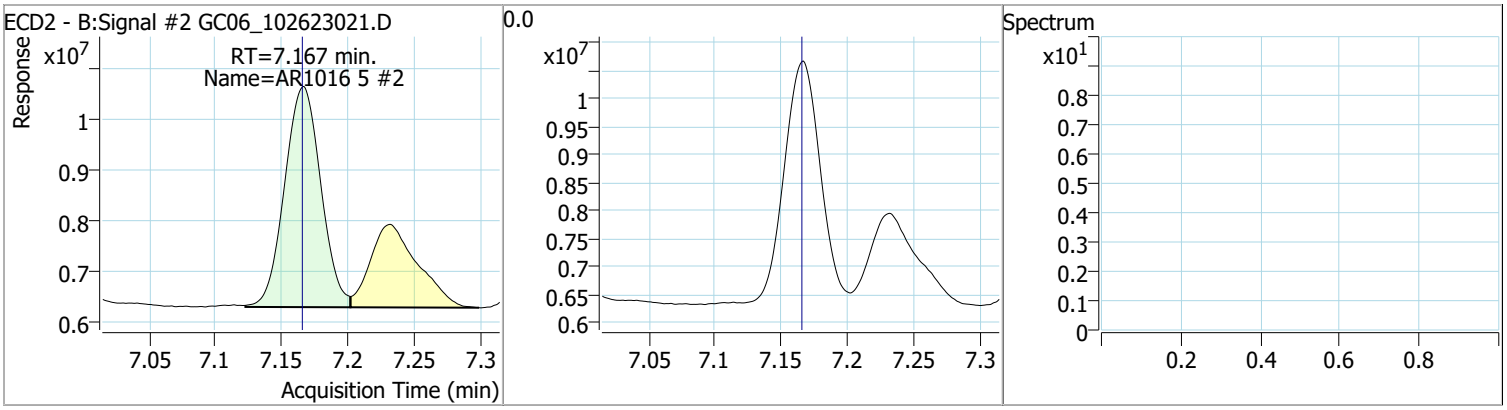
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	417.2472	6.40	0.00	14516735				



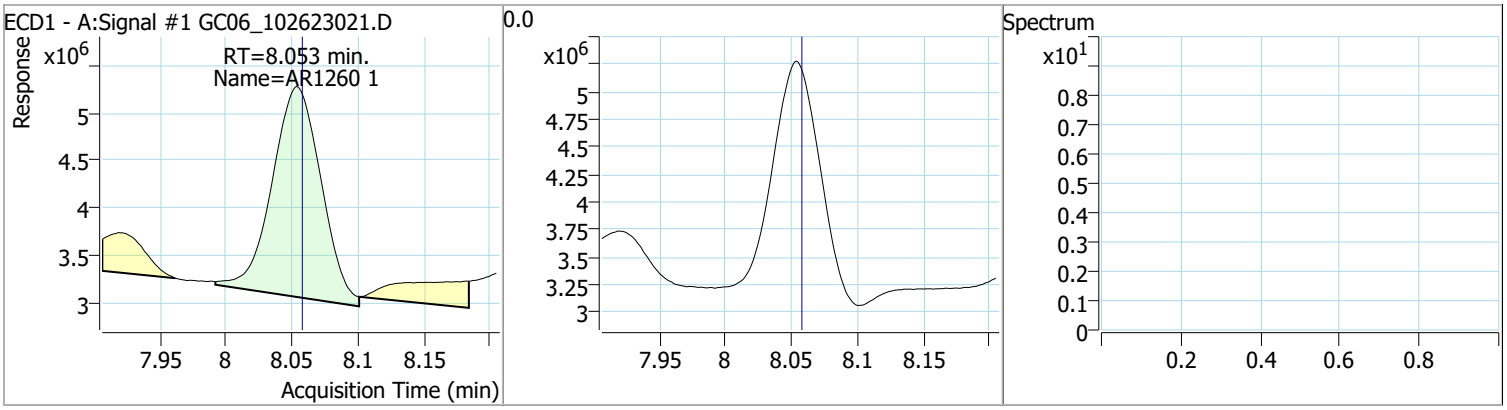
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	432.3817	6.56	0.00	10105805				



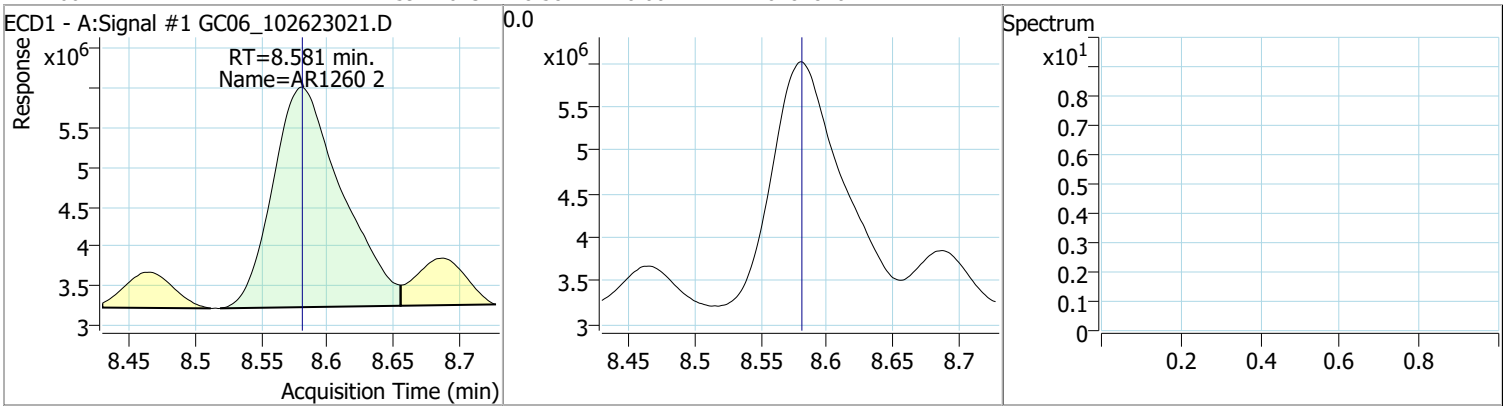
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	429.4455	7.17	0.00	8292196				



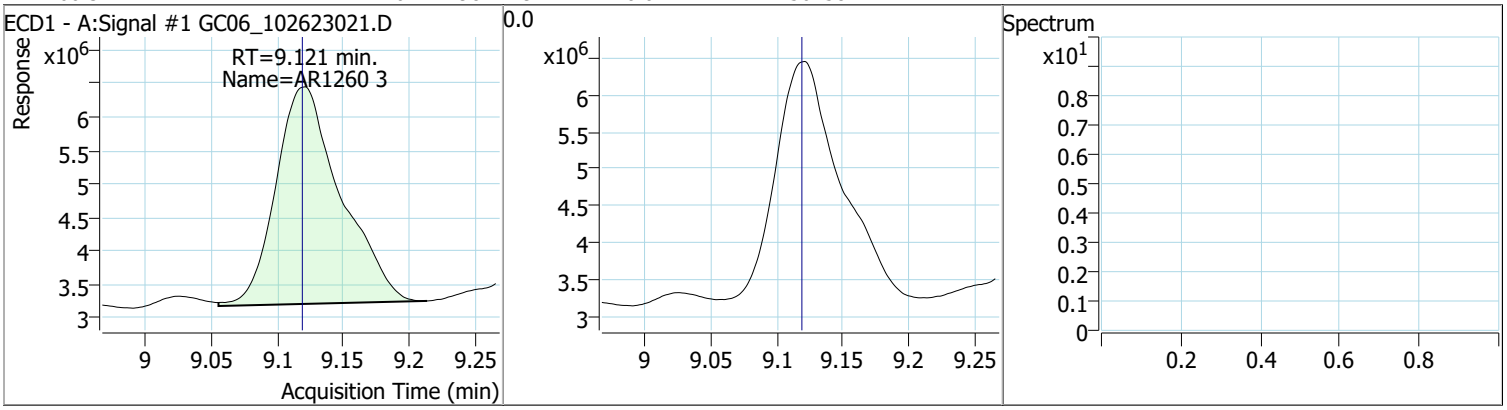
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	520.3220	8.05	0.00	5748730				



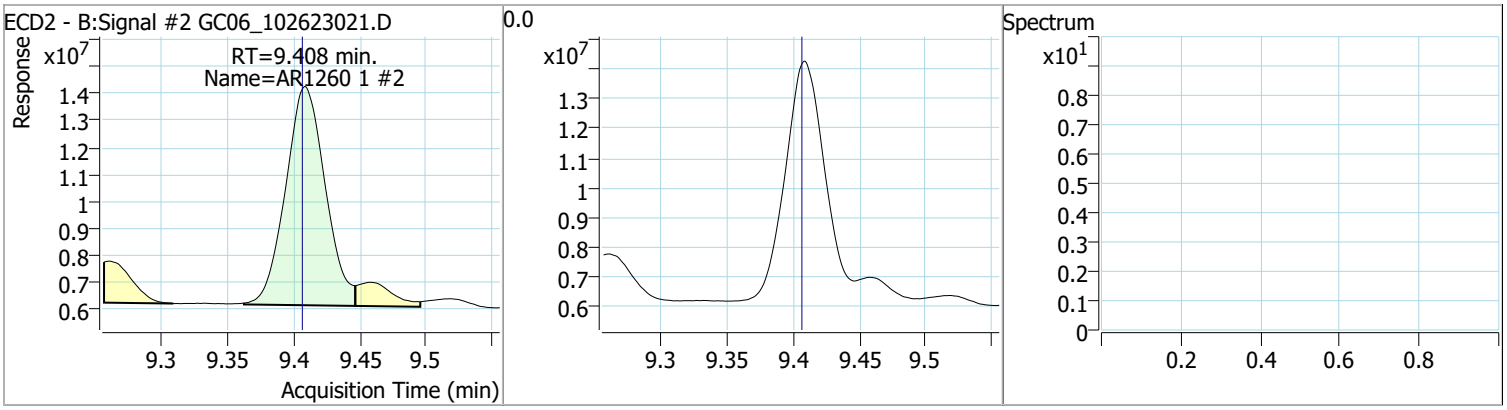
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	591.7643	8.58	0.00	10187810				



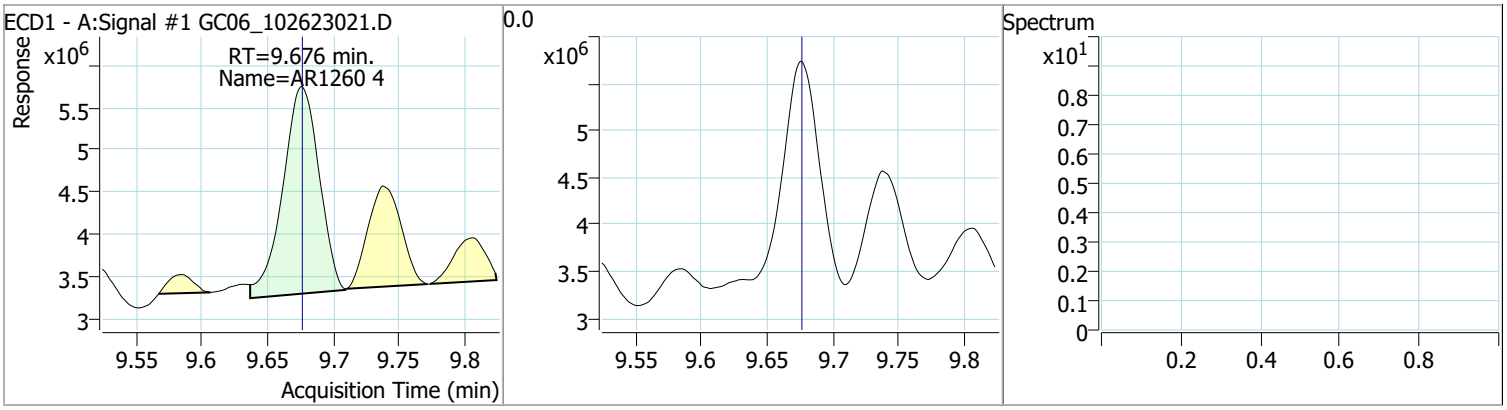
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	617.1298	9.12	0.01	11156458				



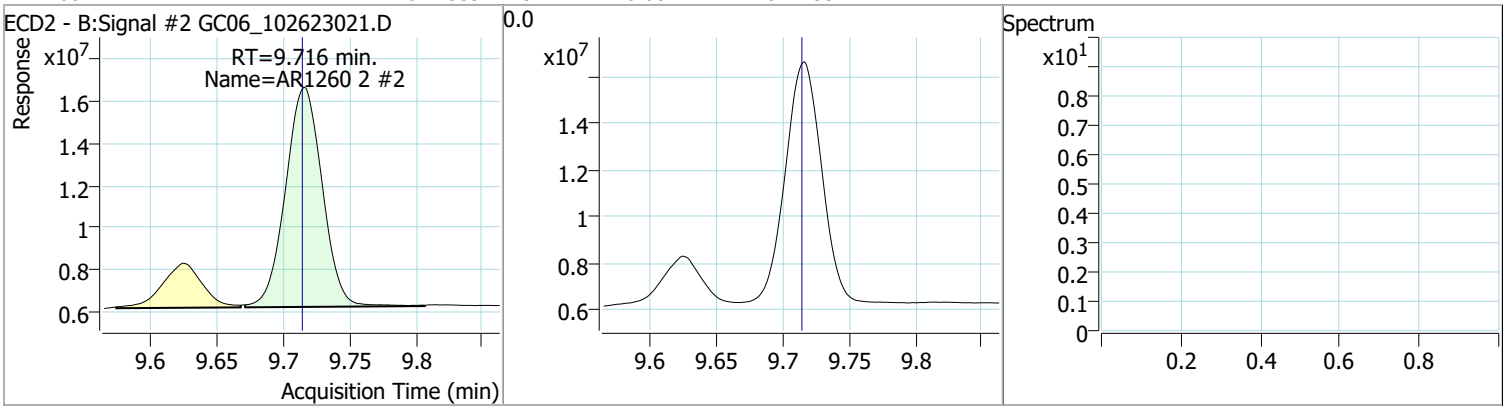
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	471.9787	9.41	0.00	16930237				



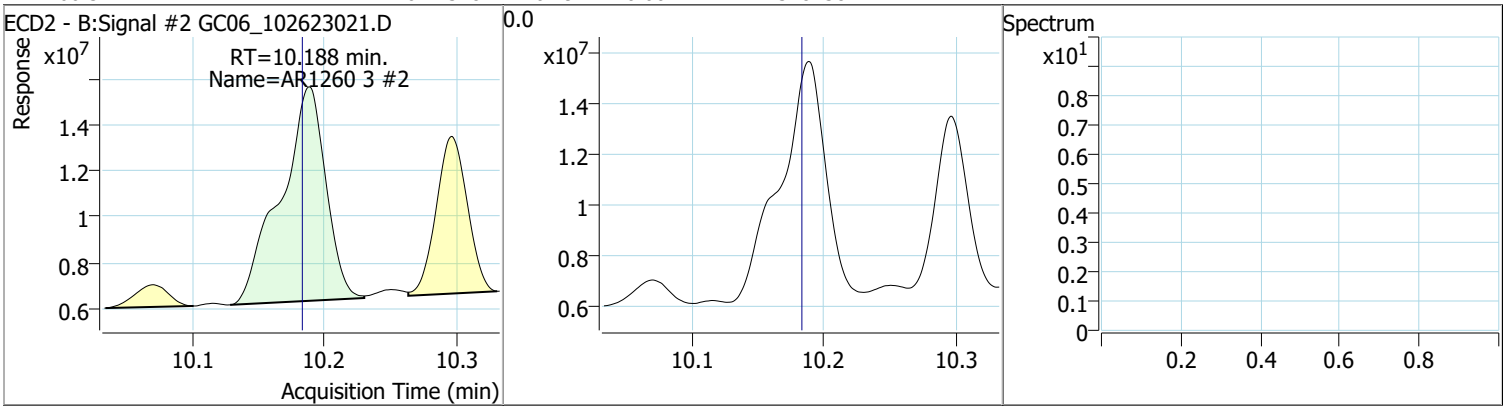
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	495.1358	9.68	0.00	4705209				



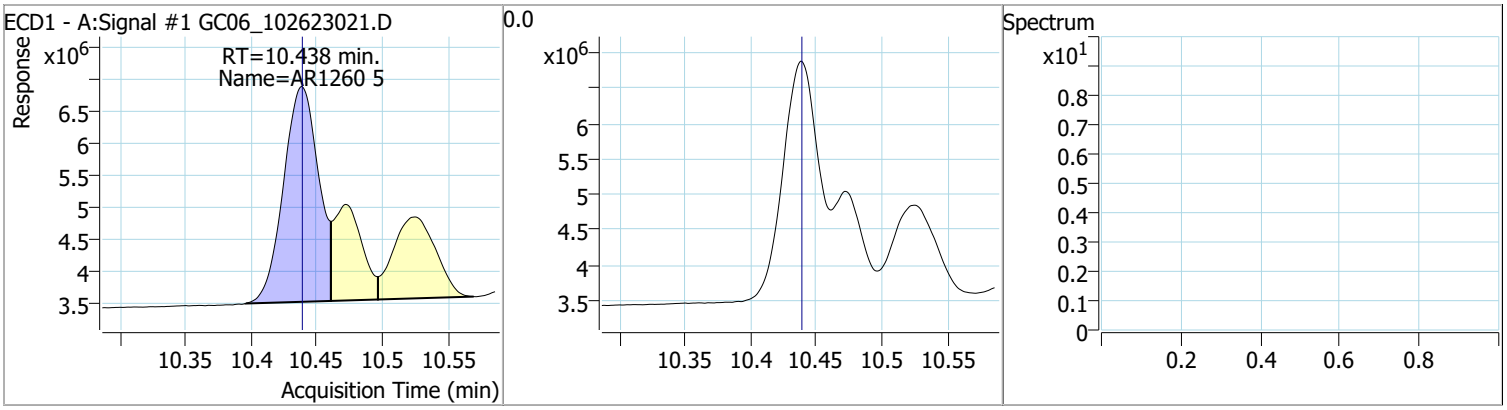
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	467.1539	9.72	0.00	20217534				



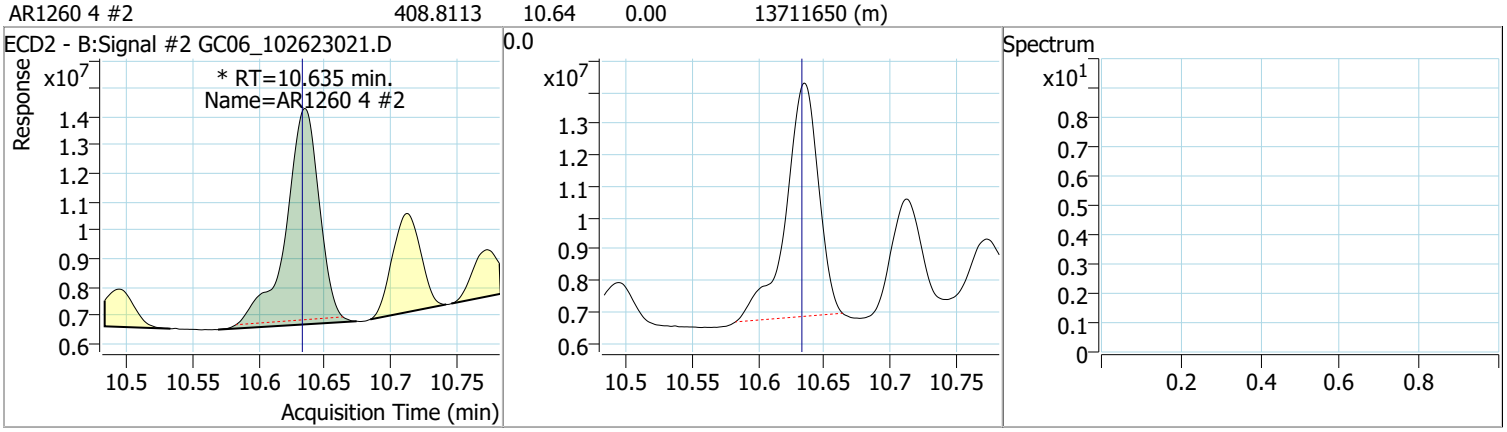
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	404.7348	10.19	0.00	22328738				



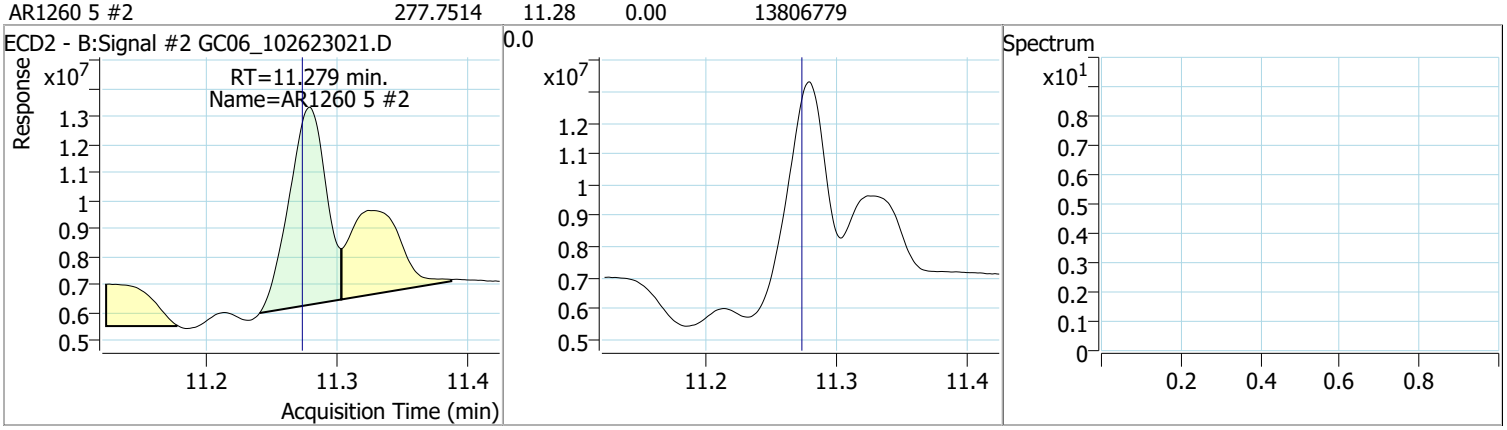
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	513.2810	10.44	0.00	6224071				



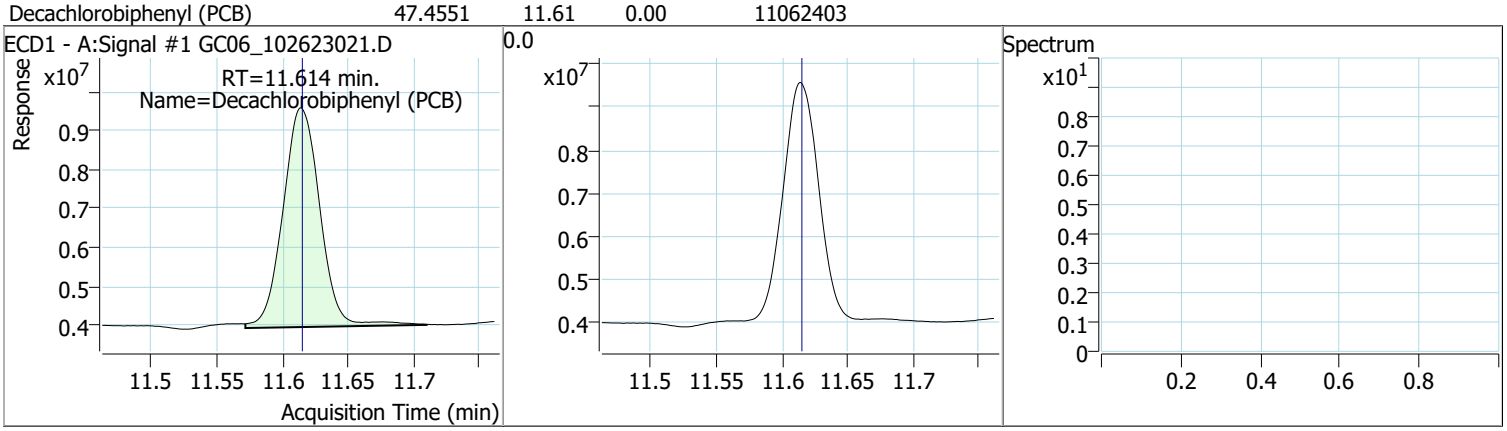
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	408.8113	10.64	0.00	13711650 (m)				



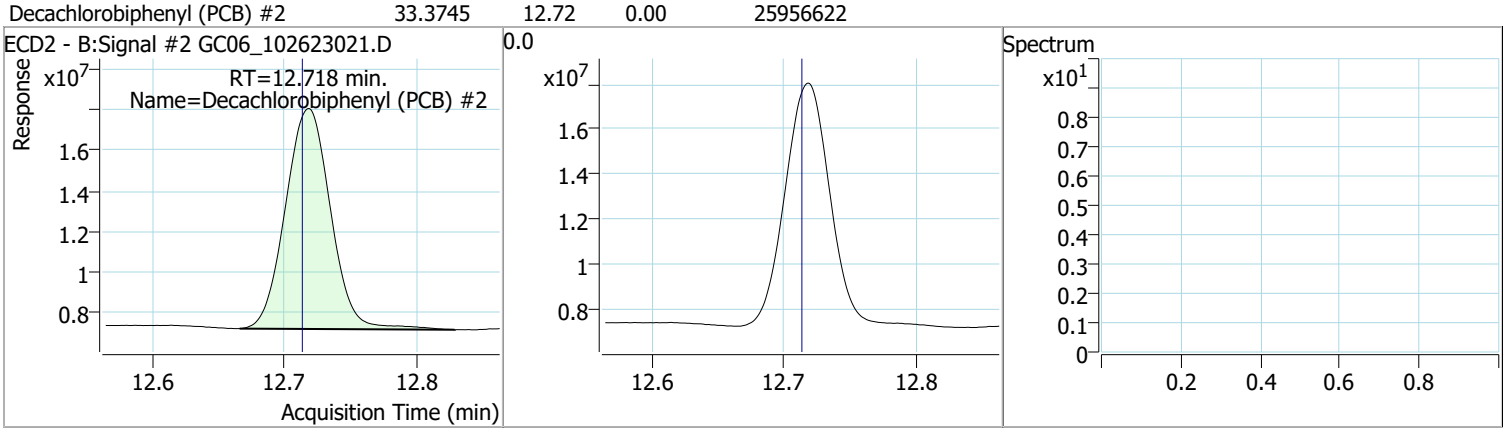
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	277.7514	11.28	0.00	13806779				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.4551	11.61	0.00	11062403				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.3745	12.72	0.00	25956622				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_101623018	453416704018		16-OCT-2023 14:23	S18455
L2	gc06_101623019	453416704019		16-OCT-2023 14:42	S18456
L3	gc06_101623020	453416704020		16-OCT-2023 15:01	S18457
L4	gc06_101623021	453416704021		16-OCT-2023 15:21	S18458
L5	gc06_101623022	453416704022		16-OCT-2023 15:41	S18459
L6	gc06_101623023	453416704023		16-OCT-2023 16:01	S18460
L7	gc06_101623024	453416704024		16-OCT-2023 16:20	S18461
L8	gc06_101623025	453416704025		16-OCT-2023 16:39	S18462
L9	gc06_101623026	453416704026		16-OCT-2023 16:58	S18463

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		46.0673		0.0217	17	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		22.9521		0.0436	20	8	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.9656		0.0527	17	8	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.6567		0.0349	19	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		31.8452		0.0314	20	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.5374		0.0605	13	6	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.6130		0.0942	17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.1070		0.0989	18	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.2272		0.0520	12	8	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0678		0.0664	15	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.78380		1.2758	11	8	.99	20	
TCMX (PCB)	A	AVRG		1.00493		0.9951	18	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		54.0714		0.0185	14	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		25.9097		0.0386	14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.4712		0.0514	16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		28.9845		0.0345	18	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		35.0838		0.0285	13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		18.8855		0.0530	16	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		15.6531		0.0639	17	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		12.2793		0.0814	12	6	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		20.1977		0.0495	11	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		13.6280		0.0734	8	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.87103		1.1481	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.06367		0.9401	12	9	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
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	0.0286	0.0258	0.0232	0.0226	0.0210	0.0201	0.0190	0.0177	0.0174
Aroclor-1016 Peak # 2	A	0.0596	0.0507	0.0472	0.0431	0.0397	0.0374	0.0365	0.0343	
Aroclor-1016 Peak # 3	A		0.0706	0.0593	0.0559	0.0516	0.0459	0.0470	0.0461	0.0455
Aroclor-1016 Peak # 4	A	0.0475	0.0409	0.0382	0.0348	0.0321	0.0352	0.0297	0.0280	0.0277
Aroclor-1016 Peak # 5	A	0.0435	0.0376	0.0351	0.0319	0.0295	0.0256	0.0275	0.0261	0.0258
Aroclor-1260 Peak # 1	A		0.0718	0.0662	0.0628	0.0566	0.0518	0.0536		
Aroclor-1260 Peak # 2	A	0.1225	0.1096	0.1017	0.0938	0.0857	0.0802	0.0818	0.0785	
Aroclor-1260 Peak # 3	A	0.1354	0.1126	0.1053	0.0967	0.0883	0.0845	0.0854	0.0833	
Aroclor-1260 Peak # 4	A		0.0627	0.0596	0.0552	0.0501	0.0458	0.0483	0.0471	0.0472
Aroclor-1260 Peak # 5	A	0.0870	0.0754	0.0745	0.0647	0.0583	0.0599	0.0577	0.0592	0.0605
Decachlorobiphenyl (PCB)	A		1.5108	1.2989	1.4029	1.3562	1.2173	1.1371	1.1496	1.1338
TCMX (PCB)	A	1.3501	1.1088	1.0150	1.1486	0.8786	0.8887	0.8727	0.8364	0.8569
Aroclor-1016 Peak # 1	B	0.0240	0.0205	0.0190	0.0186	0.0177	0.0178	0.0169	0.0158	0.0161
Aroclor-1016 Peak # 2	B	0.0502	0.0431	0.0405	0.0394	0.0371	0.0347	0.0352	0.0334	0.0337
Aroclor-1016 Peak # 3	B	0.0710	0.0577	0.0530	0.0498	0.0473	0.0454	0.0465	0.0449	0.0467
Aroclor-1016 Peak # 4	B	0.0467	0.0394	0.0364	0.0357	0.0336	0.0240	0.0324	0.0310	0.0313
Aroclor-1016 Peak # 5	B	0.0369	0.0317	0.0298	0.0284	0.0270	0.0254	0.0264	0.0253	0.0256
Aroclor-1260 Peak # 1	B	0.0719	0.0586	0.0552	0.0526	0.0494	0.0465	0.0478	0.0467	0.0478
Aroclor-1260 Peak # 2	B	0.0886	0.0713	0.0665	0.0631	0.0587	0.0552	0.0571	0.0565	0.0579
Aroclor-1260 Peak # 3	B	0.0997	0.0847	0.0802	0.0783	0.0751	0.0706			
Aroclor-1260 Peak # 4	B	0.0625	0.0504	0.0492	0.0495	0.0467	0.0432	0.0468	0.0476	0.0496
Aroclor-1260 Peak # 5	B	0.0879	0.0744	0.0743	0.0727	0.0690	0.0658	0.0707	0.0714	0.0742
Decachlorobiphenyl (PCB)	B	1.5611	1.1854	1.0694	1.1996	1.1911	1.0469	0.9946	1.0403	1.0441
TCMX (PCB)	B	1.1483	0.9750	0.9083	1.1058	0.8540	0.8950	0.8686	0.8341	0.8722

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
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	32	50.000	19	100.00	7	250.00	4	500.00	-3	749.91	-8	1000.0	-13	1500.0	-19
Aroclor-1016 Peak # 2	A	20.000	37	50.000	16	100.00	8	250.00	-1	500.00	-9	749.91	-14	1000.0	-16	1500.0	**-21**
Aroclor-1016 Peak # 3	A			50.000	34	100.00	12	250.00	6	500.00	-2	749.91	-13	1000.0	-11	1500.0	-13
Aroclor-1016 Peak # 4	A	20.000	36	50.000	17	100.00	9	250.00	0	500.00	-8	749.91	1	1000.0	-15	1500.0	-20
Aroclor-1016 Peak # 5	A	20.000	39	50.000	20	100.00	12	250.00	2	500.00	-6	749.91	-19	1000.0	-12	1500.0	-17
Aroclor-1260 Peak # 1	A			50.000	19	100.00	10	250.00	4	500.00	-6	749.91	-14	1000.0	-11		
Aroclor-1260 Peak # 2	A	20.000	30	50.000	16	100.00	8	250.00	0	500.00	-9	749.91	-15	1000.0	-13	1500.0	-17
Aroclor-1260 Peak # 3	A	20.000	37	50.000	14	100.00	6	250.00	-2	500.00	-11	749.91	-15	1000.0	-14	1500.0	-16
Aroclor-1260 Peak # 4	A			50.000	21	100.00	15	250.00	6	500.00	-4	749.91	-12	1000.0	-7	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	31	50.000	14	100.00	12	250.00	-2	500.00	-12	749.91	-10	1000.0	-13	1500.0	-11
Decachlorobiphenyl (PCB)	A			4.0000	18	8.0000	2	20.000	10	40.000	6	59.993	-5	80.000	-11	120.00	-10
TCMX (PCB)	A	1.6000	36	4.0000	11	8.0000	2	20.000	15	40.000	-12	59.993	-11	80.000	-12	120.00	-16
Aroclor-1016 Peak # 1	B	20.000	30	50.000	11	100.00	3	250.00	1	500.00	-4	749.91	-4	1000.0	-9	1500.0	-15
Aroclor-1016 Peak # 2	B	20.000	30	50.000	12	100.00	5	250.00	2	500.00	-4	749.91	-10	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 3	B	20.000	38	50.000	12	100.00	3	250.00	-3	500.00	-8	749.91	-12	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 4	B	20.000	35	50.000	14	100.00	5	250.00	4	500.00	-3	749.91	**-30**	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 5	B	20.000	29	50.000	11	100.00	5	250.00	0	500.00	-5	749.91	-11	1000.0	-8	1500.0	-11
Aroclor-1260 Peak # 1	B	20.000	36	50.000	11	100.00	4	250.00	-1	500.00	-7	749.91	-12	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 2	B	20.000	39	50.000	12	100.00	4	250.00	-1	500.00	-8	749.91	-14	1000.0	-11	1500.0	-12
Aroclor-1260 Peak # 3	B	20.000	22	50.000	4	100.00	-1	250.00	-4	500.00	-8	749.91	-13				
Aroclor-1260 Peak # 4	B	20.000	26	50.000	2	100.00	-1	250.00	0	500.00	-6	749.91	-13	1000.0	-6	1500.0	-4
Aroclor-1260 Peak # 5	B	20.000	20	50.000	1	100.00	1	250.00	-1	500.00	-6	749.91	-10	1000.0	-4	1500.0	-3
Decachlorobiphenyl (PCB)	B	1.6000	36	4.0000	3	8.0000	-7	20.000	4	40.000	4	59.993	-9	80.000	-13	120.00	-9
TCMX (PCB)	B	1.6000	22	4.0000	4	8.0000	-3	20.000	18	40.000	-9	59.993	-5	80.000	-8	120.00	-11

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-20
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	-14
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	-18
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A	2000.0	-9
Aroclor-1260 Peak # 5	A	2000.0	-9
Decachlorobiphenyl (PCB)	A	160.00	-11
TCMX (PCB)	A	160.00	-14
Aroclor-1016 Peak # 1	B	2000.0	-13
Aroclor-1016 Peak # 2	B	2000.0	-13
Aroclor-1016 Peak # 3	B	2000.0	-9
Aroclor-1016 Peak # 4	B	2000.0	-9
Aroclor-1016 Peak # 5	B	2000.0	-10
Aroclor-1260 Peak # 1	B	2000.0	-10
Aroclor-1260 Peak # 2	B	2000.0	-9
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B	2000.0	0
Aroclor-1260 Peak # 5	B	2000.0	1
Decachlorobiphenyl (PCB)	B	160.00	-9
TCMX (PCB)	B	160.00	-7

TRN 10/16/23 : Manually integrated for coeluting peak, negative/tailing peak, automatic draw baseline for one/both columns on multiple levels

ENTHALPY INITIAL CALIBRATION FOR 494548 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101623_1
Calibration #:	453416704002	Date:	16-OCT-2023 14:04
Units:	ug/L	X Axis:	R

Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 494548 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_101623_1
Calnum:	453416704002	Cal Date:	16-OCT-2023

- ICV 453416704028 (gc06_101623028 16-OCT-2023) stds: S18851

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	528.6	ug/L	6	15	
Aroclor-1260	A	500.0	553.9	ug/L	11	15	
Aroclor-1016	B	500.0	546.6	ug/L	9	15	
Aroclor-1260	B	500.0	562.8	ug/L	13	15	

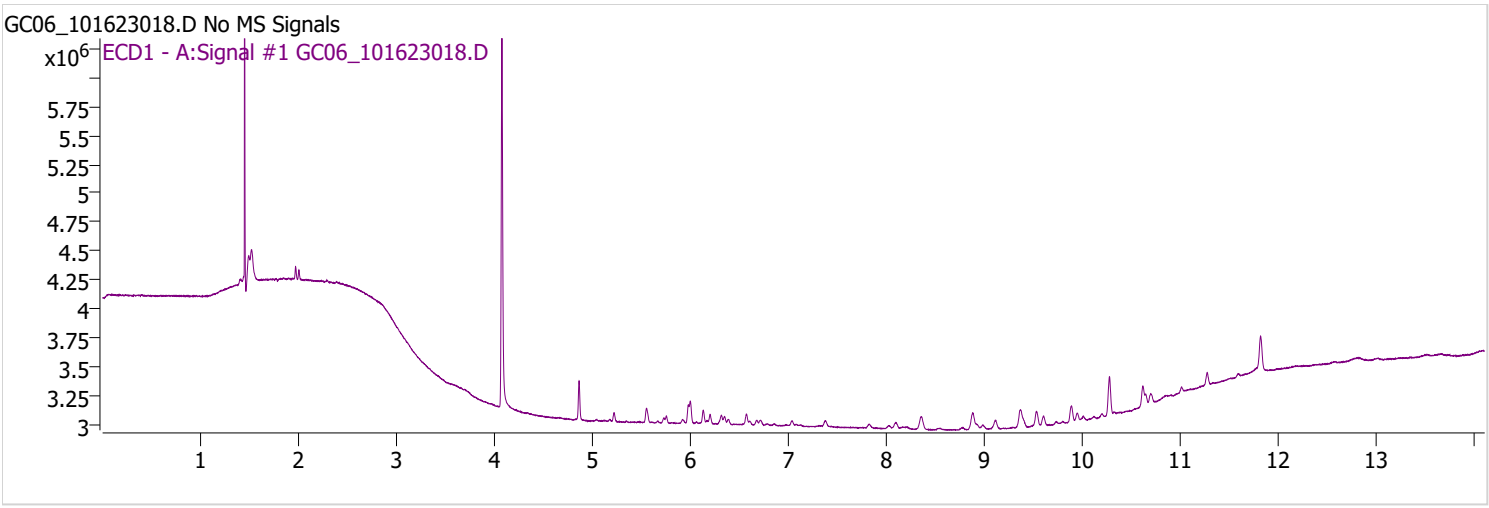
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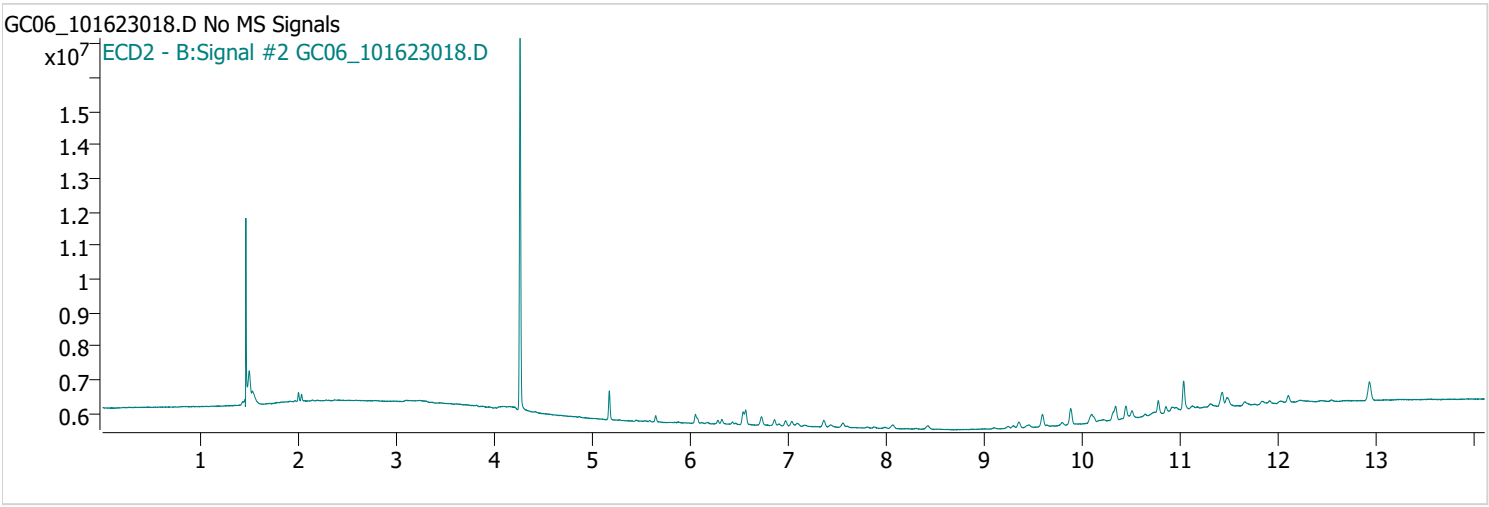
Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_101623018.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 2:23:07 PM
Sample Name	ICAL, S18455	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



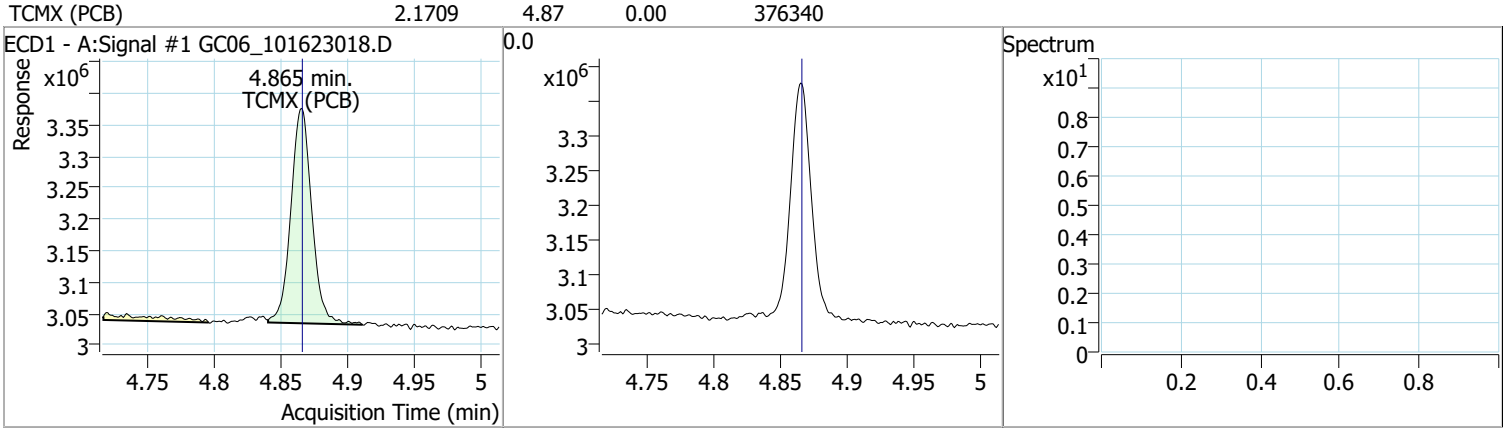


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3484313.563	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10117925.056	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.865	0.0	376339.950	2.1709	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.85%		*	
S TCMX (PCB) #2	5.173	0.0	929447.630	1.9542	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.77%		*	
S Decachlorobiphenyl (PCB)	11.823	0.0	626212.254	2.8174	ng/ml	m	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 14.09%		*	
S Decachlorobiphenyl (PCB) #2	12.933	0.0	1263611.001	2.1757	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.88%		*	
Target Compounds							**QValue**
T AR1016 1	5.221	0.0	99757.464	26.3789	ng/ml	m	100
T AR1016 2	5.554	0.0	207721.236	27.3667	ng/ml		100

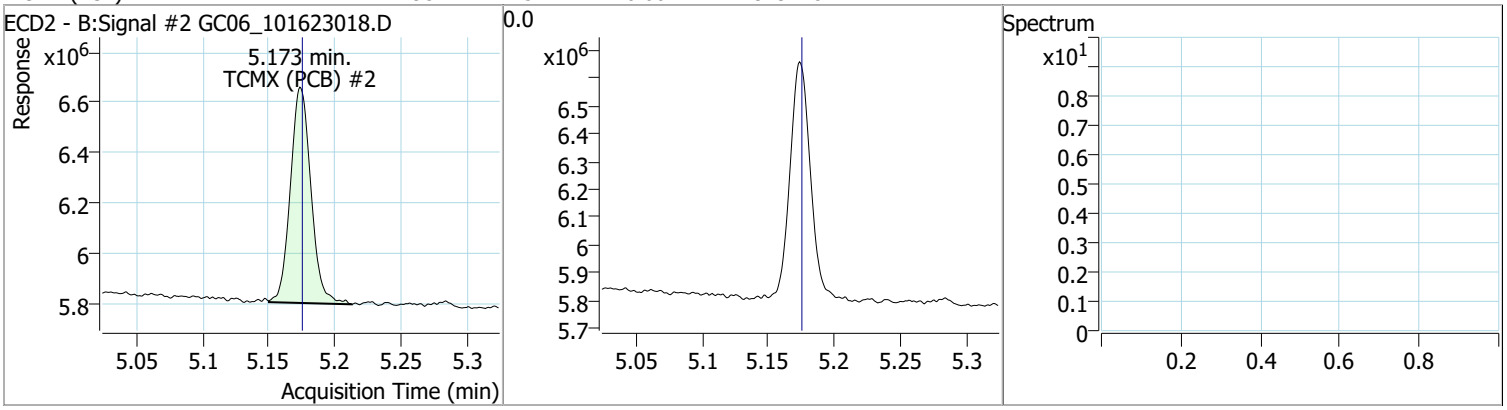
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	5.648	0.0	242853.636	25.9571	ng/ml		100
T AR1016 3	6.000	0.0	276736.403	28.5221	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	508120.900	26.0240	ng/ml		100
T AR1016 4	6.133	0.0	165514.379	27.2258	ng/ml		100
T AR1016 3 #2	6.566	0.0	718266.371	27.6453	ng/ml		100
T AR1016 5	6.573	0.0	151717.446	27.7330	ng/ml		100
T AR1016 4 #2	6.729	0.0	472545.195	27.0740	ng/ml	m	100
T AR1016 5 #2	7.363	0.0	373326.762	25.8905	ng/ml		100
T AR1260 1	8.359	0.0	277286.685	26.3219	ng/ml		100
T AR1260 2	8.888	0.0	426994.415	26.0123	ng/ml		100
T AR1260 3	9.371	0.0	471631.303	27.3616	ng/ml		100
T AR1260 1 #2	9.597	0.0	727500.082	27.1584	ng/ml		100
T AR1260 2 #2	9.884	0.0	896593.210	27.7421	ng/ml		100
T AR1260 4	9.893	0.0	268583.264	29.6424	ng/ml		100
T AR1260 3 #2	10.343	0.0	1008263.181	24.4733	ng/ml	m	100
T AR1260 5	10.622	0.0	303131.900	26.2181	ng/ml		100
T AR1260 4 #2	10.778	0.0	632542.173	25.2543	ng/ml		100
T AR1260 5 #2	11.433	0.0	889501.797	23.9620	ng/ml		100

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

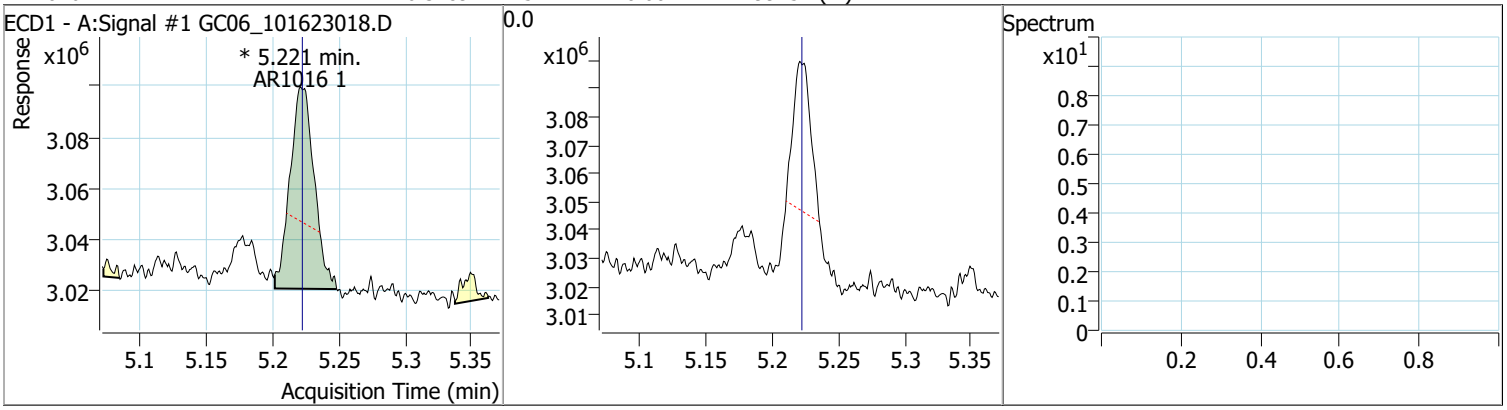
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.1709	4.87	0.00	376340				



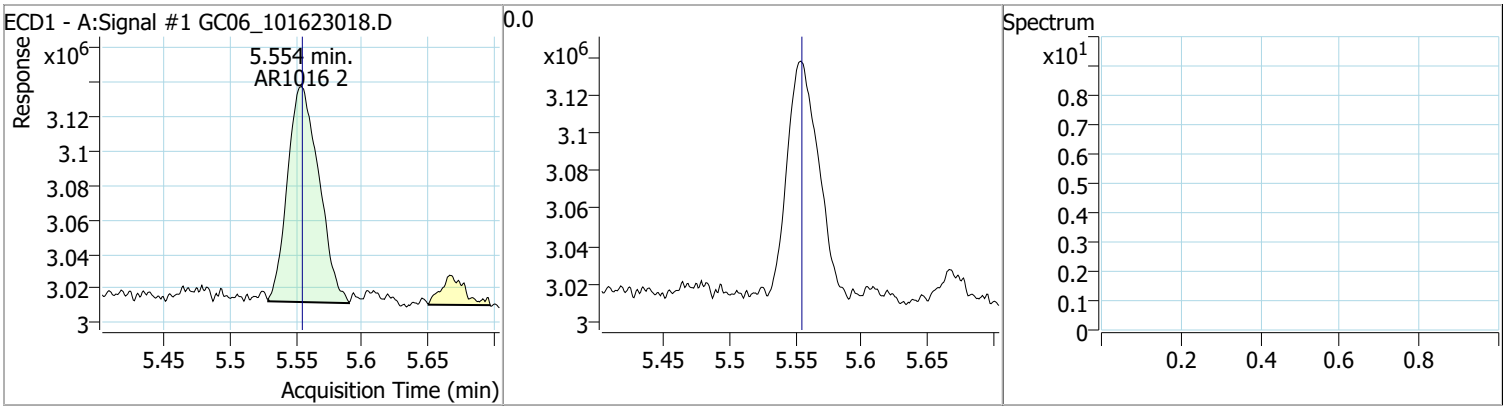
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9542	5.17	0.00	929448				



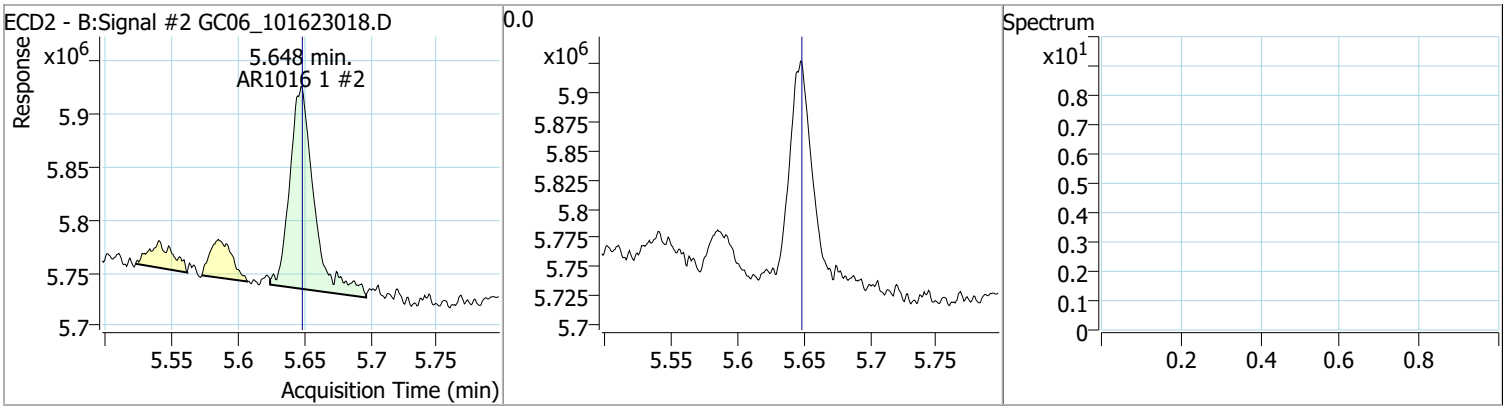
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	26.3789	5.22	0.00	99757 (m)				



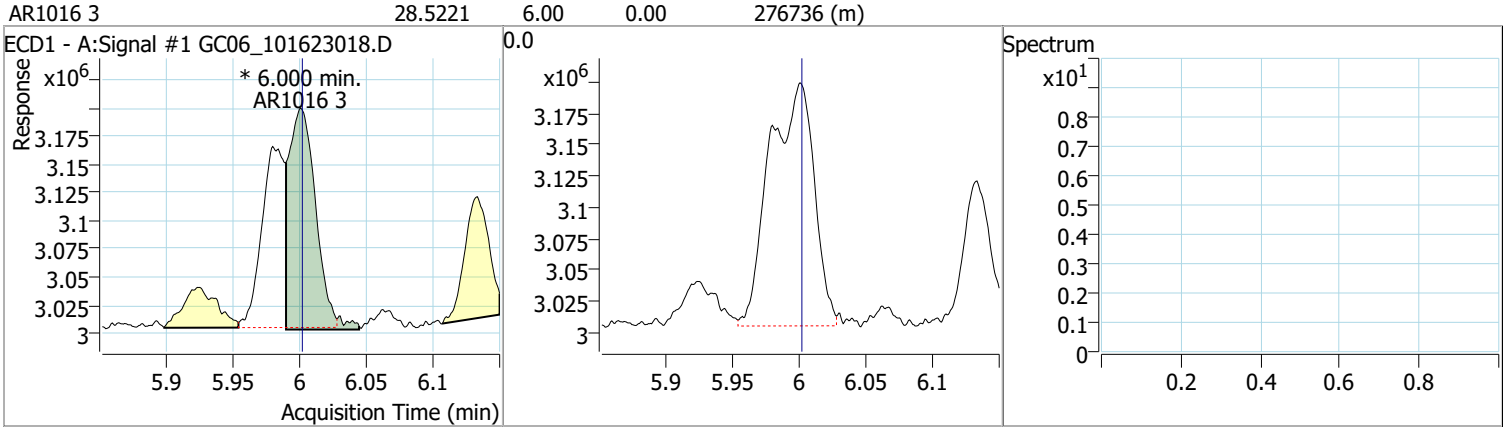
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	27.3667	5.55	0.00	207721				



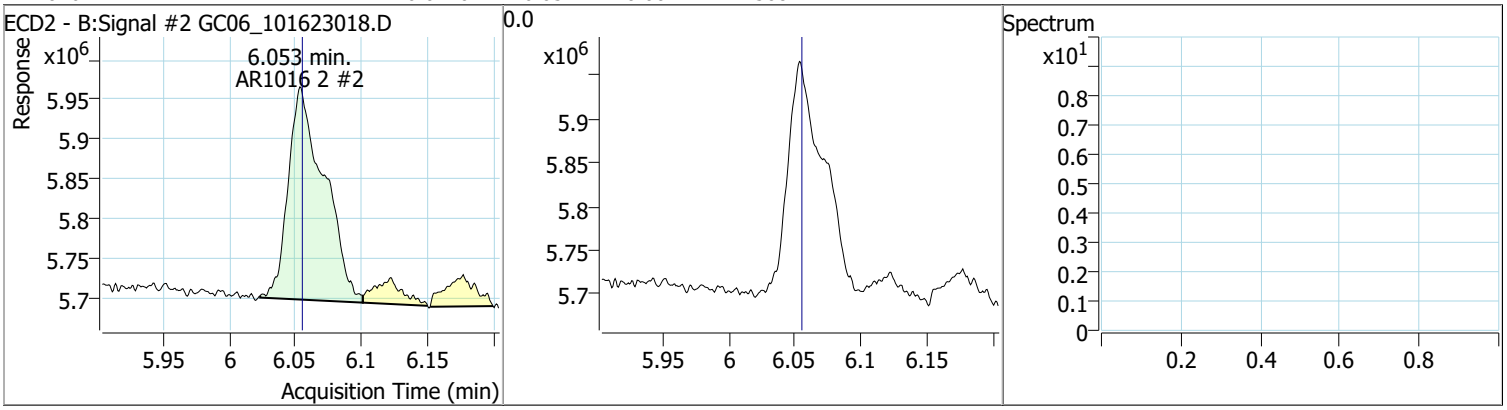
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	25.9571	5.65	0.00	242854				



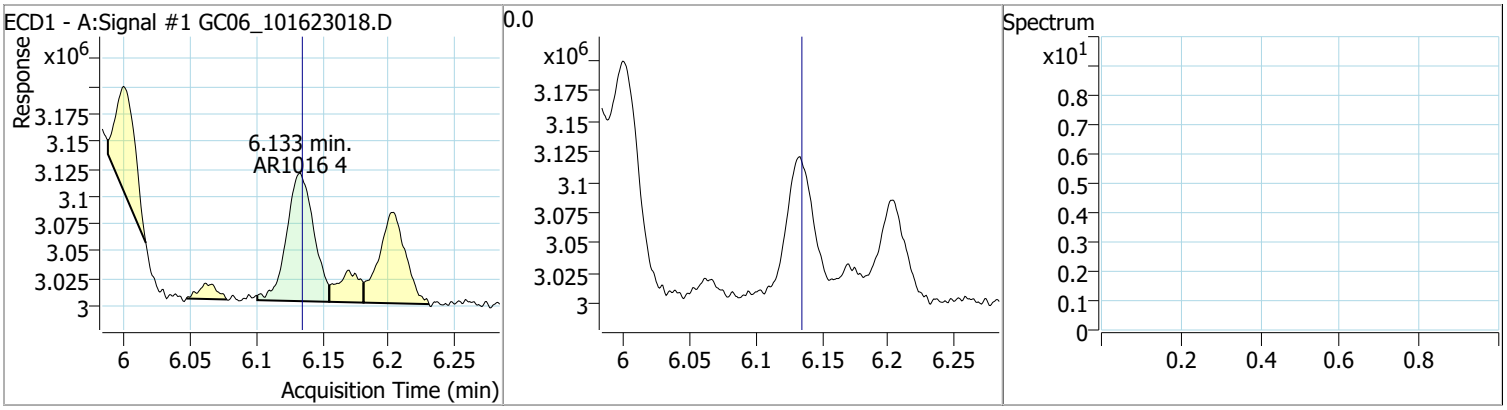
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	28.5221	6.00	0.00	276736 (m)				



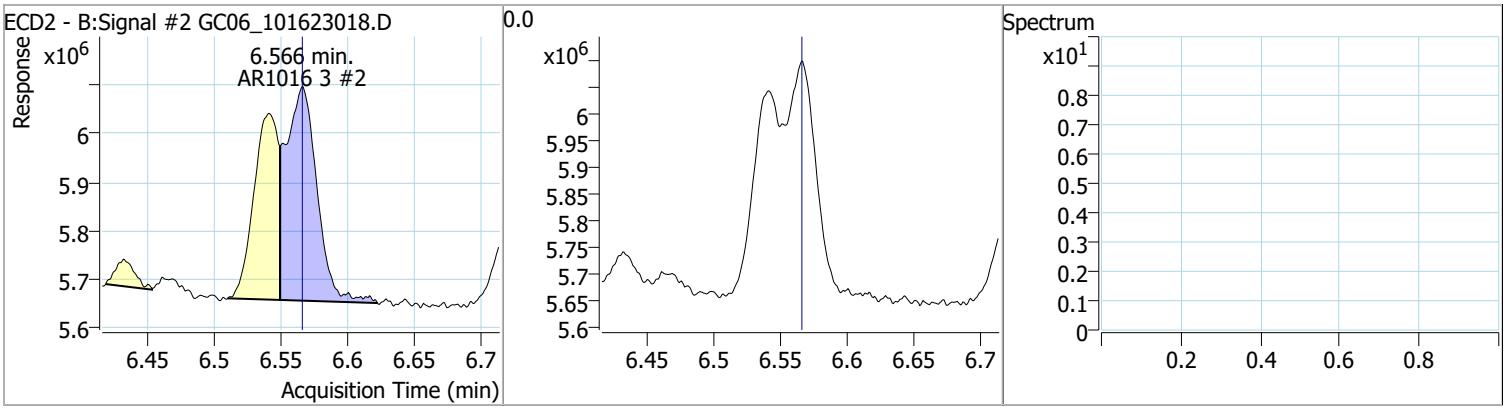
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	26.0240	6.05	0.00	508121				



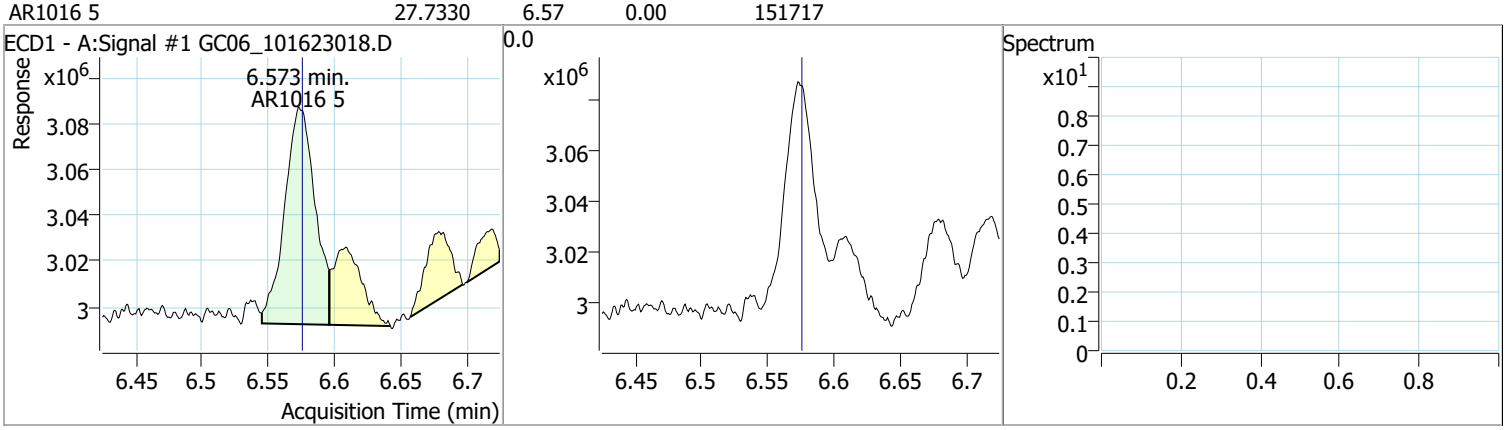
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	27.2258	6.13	0.00	165514				



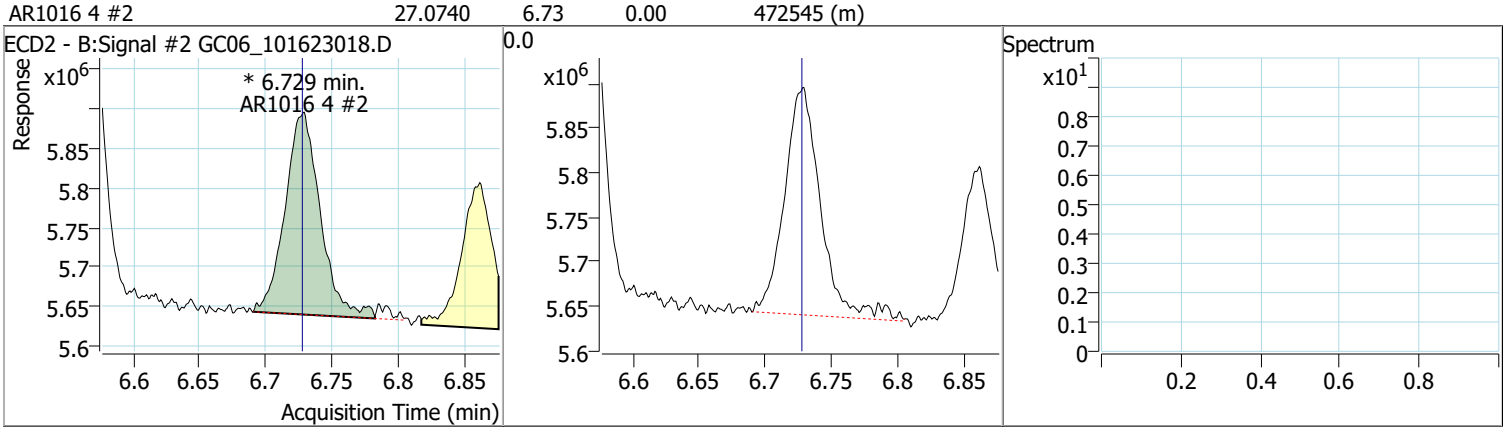
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	27.6453	6.57	0.00	718266				



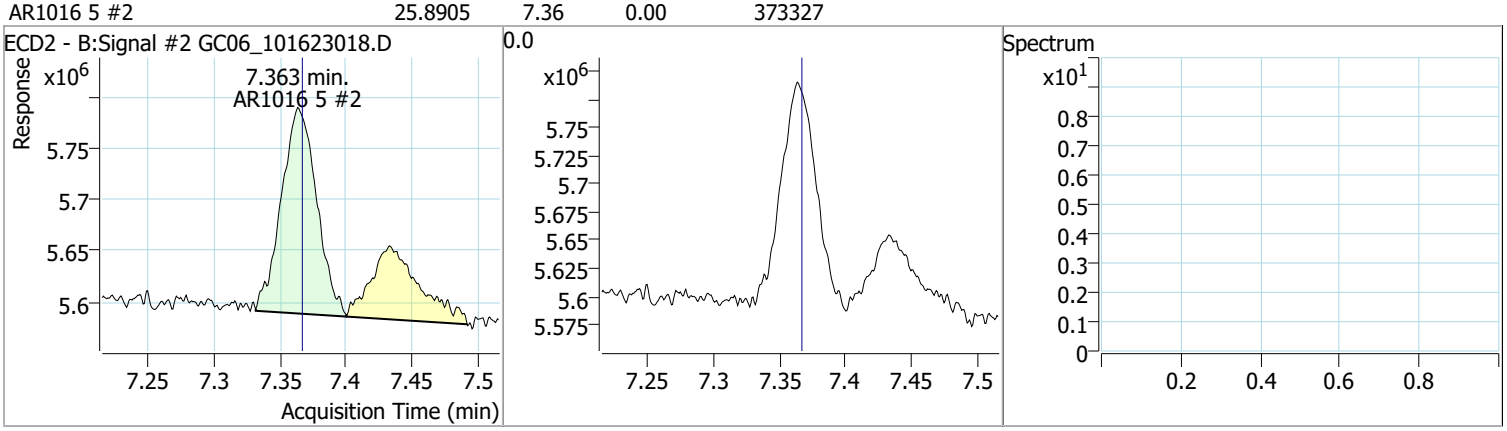
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	27.7330	6.57	0.00	151717				



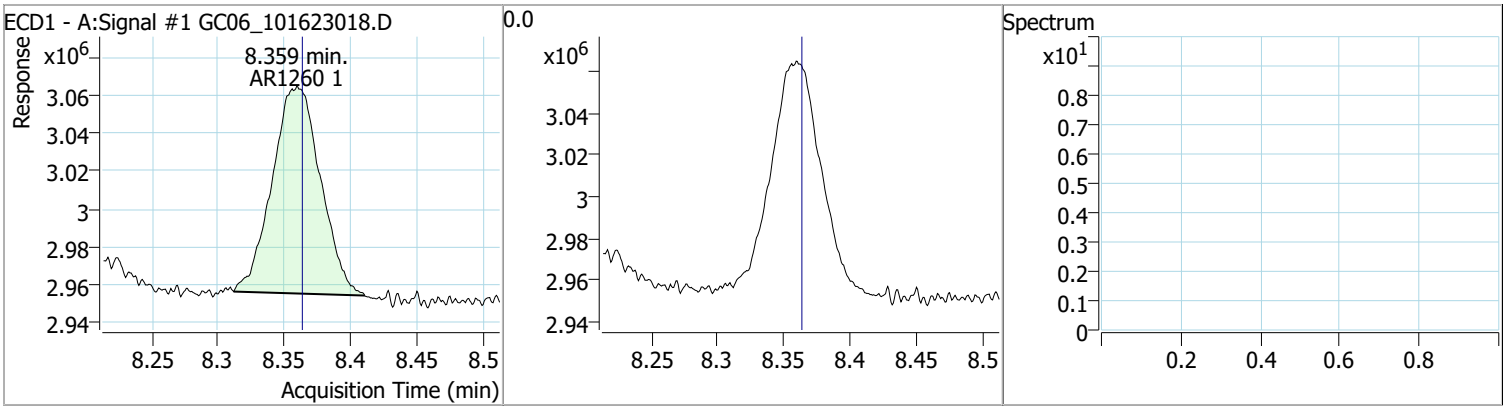
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	27.0740	6.73	0.00	472545 (m)				



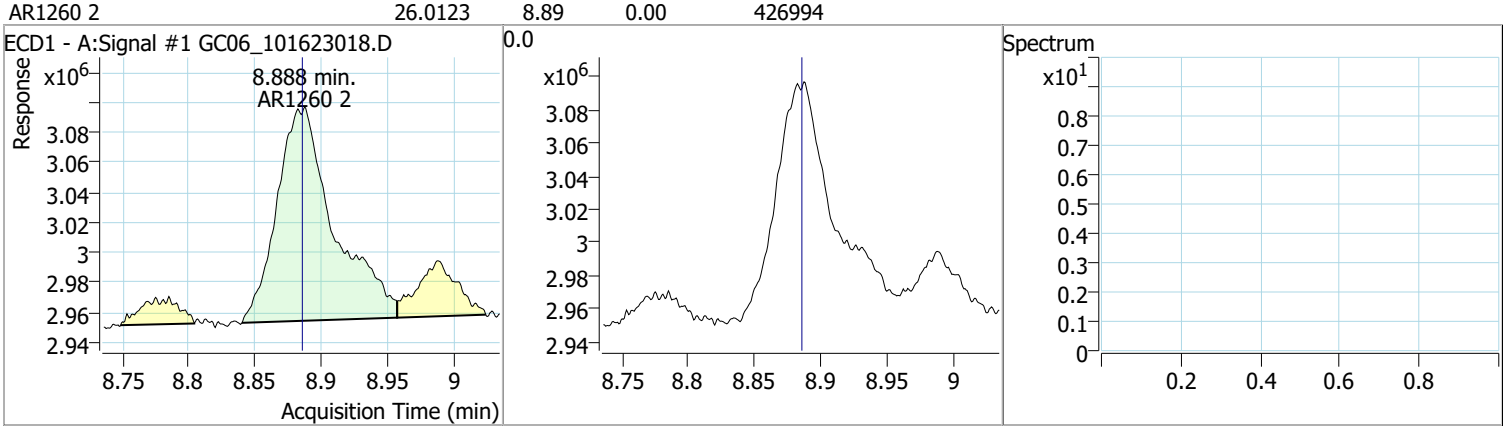
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	25.8905	7.36	0.00	373327				



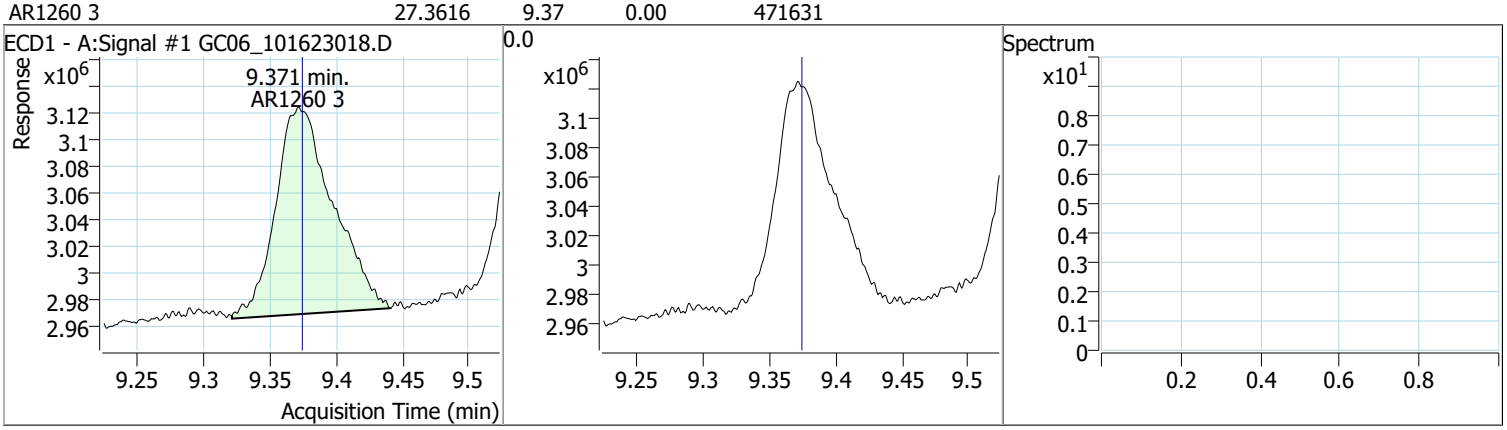
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	26.3219	8.36	0.00	277287				



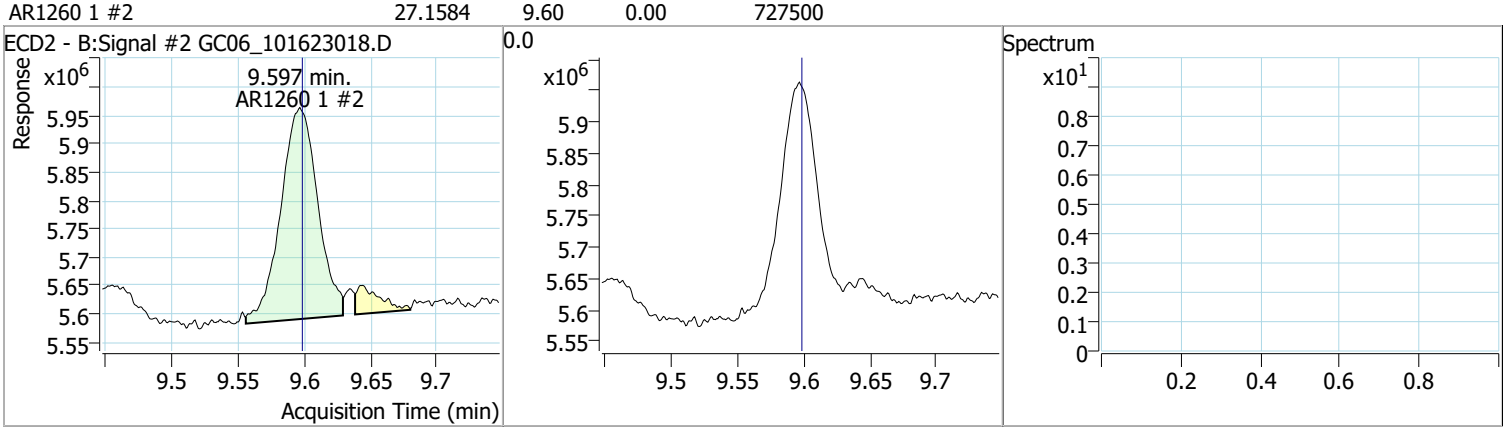
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	26.0123	8.89	0.00	426994				



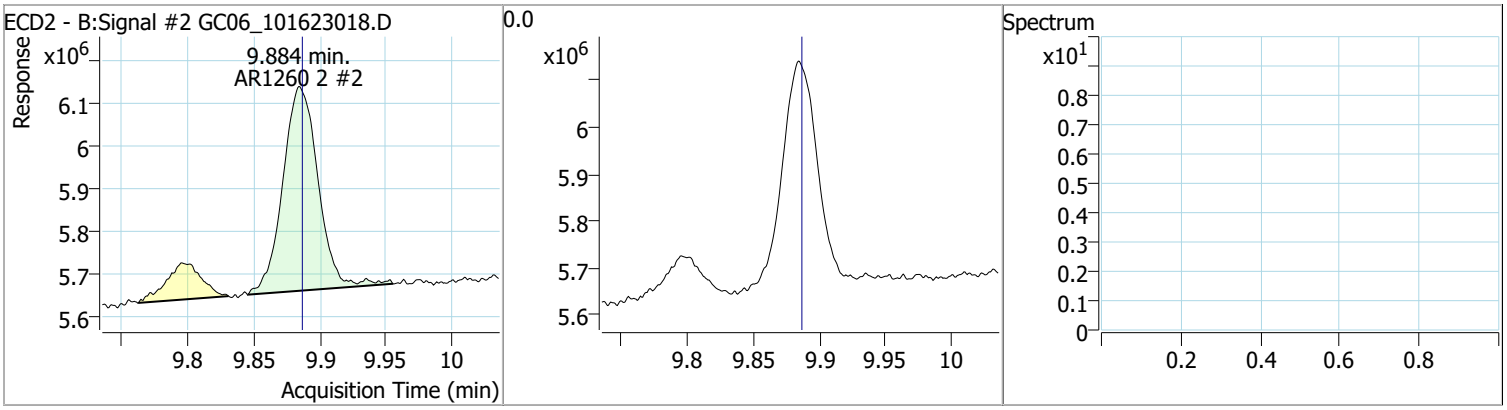
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	27.3616	9.37	0.00	471631				



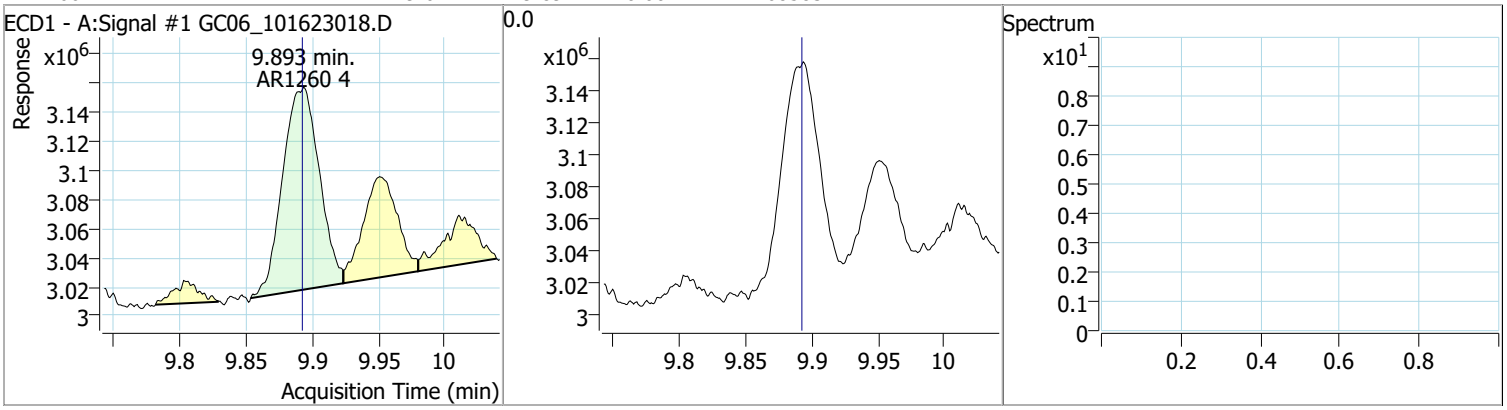
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	27.1584	9.60	0.00	727500				



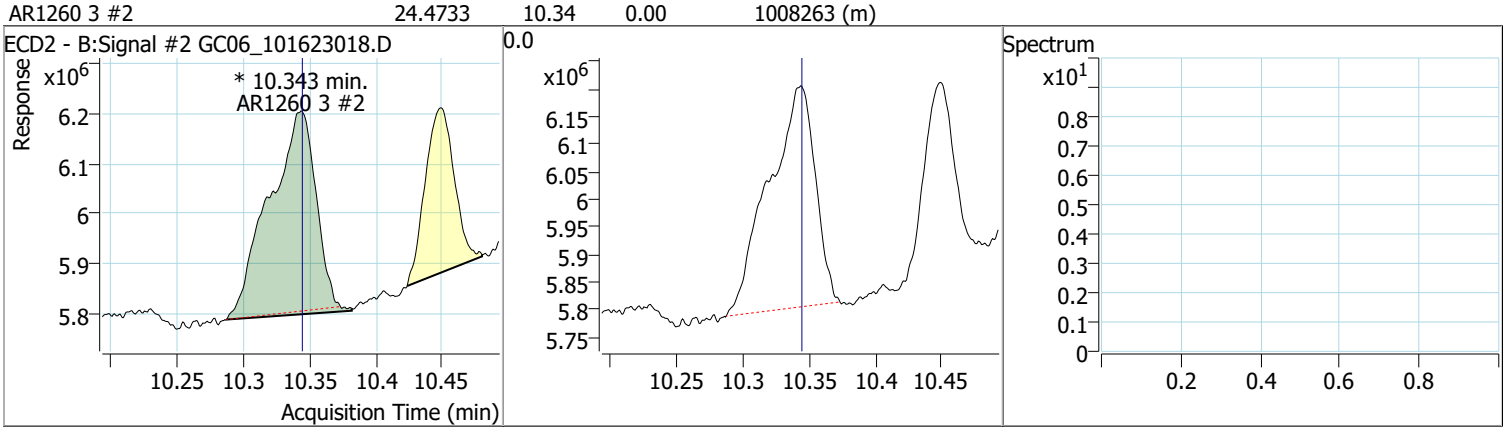
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	27.7421	9.88	0.00	896593				



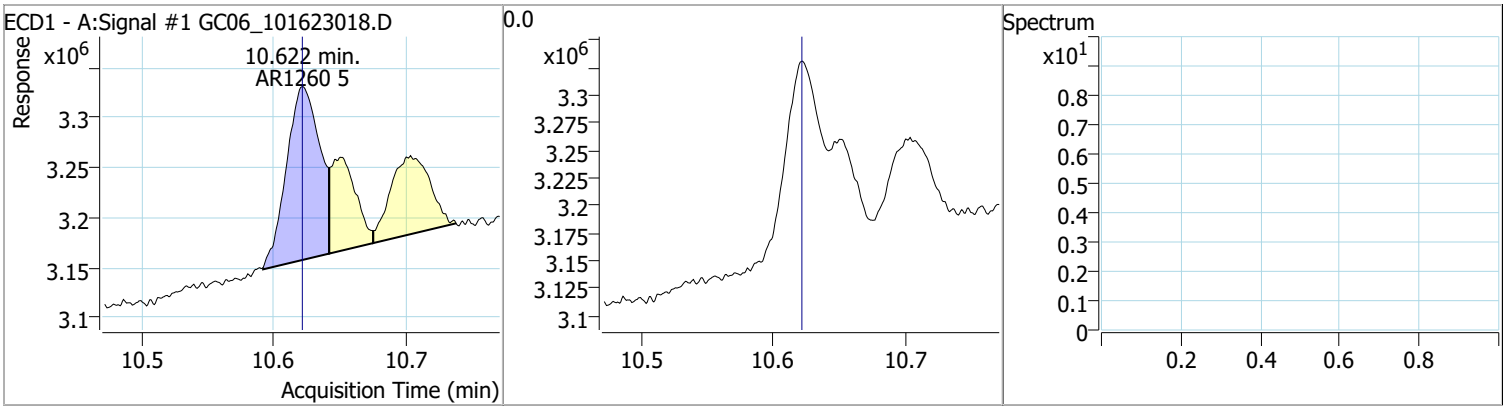
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	29.6424	9.89	0.00	268583				



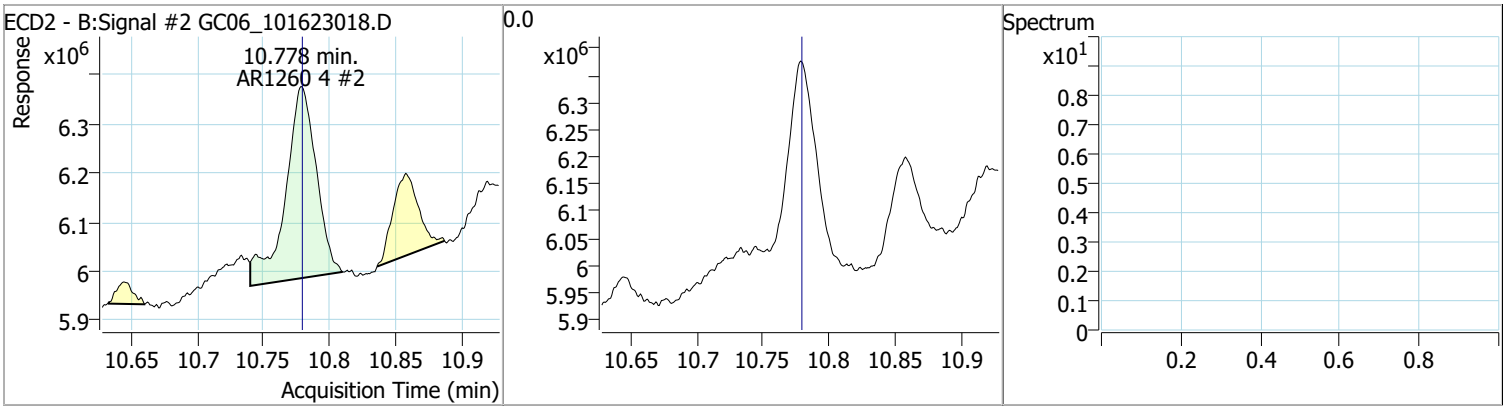
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	24.4733	10.34	0.00	1008263 (m)				



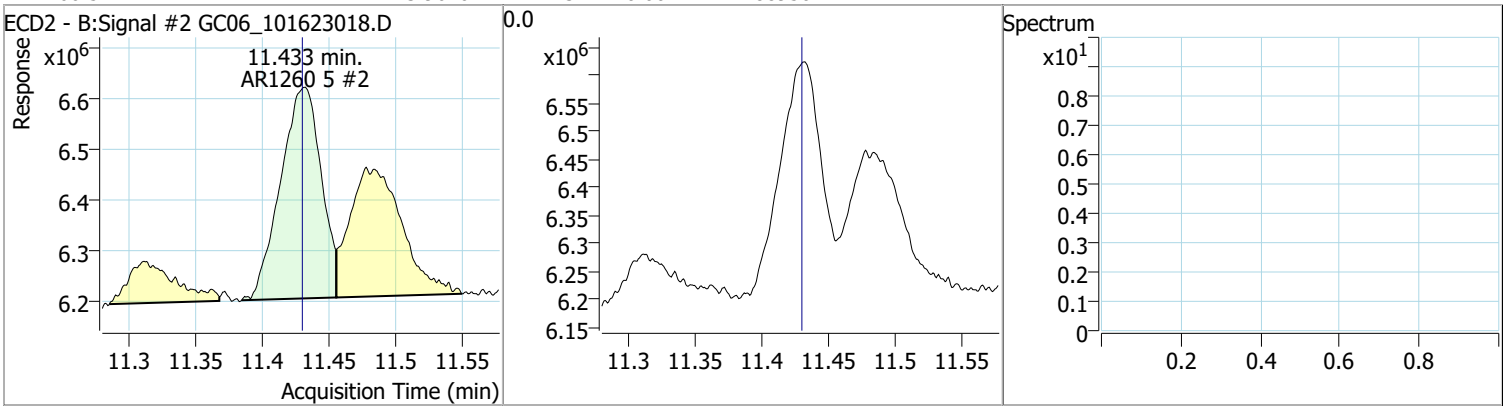
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	26.2181	10.62	0.00	303132				



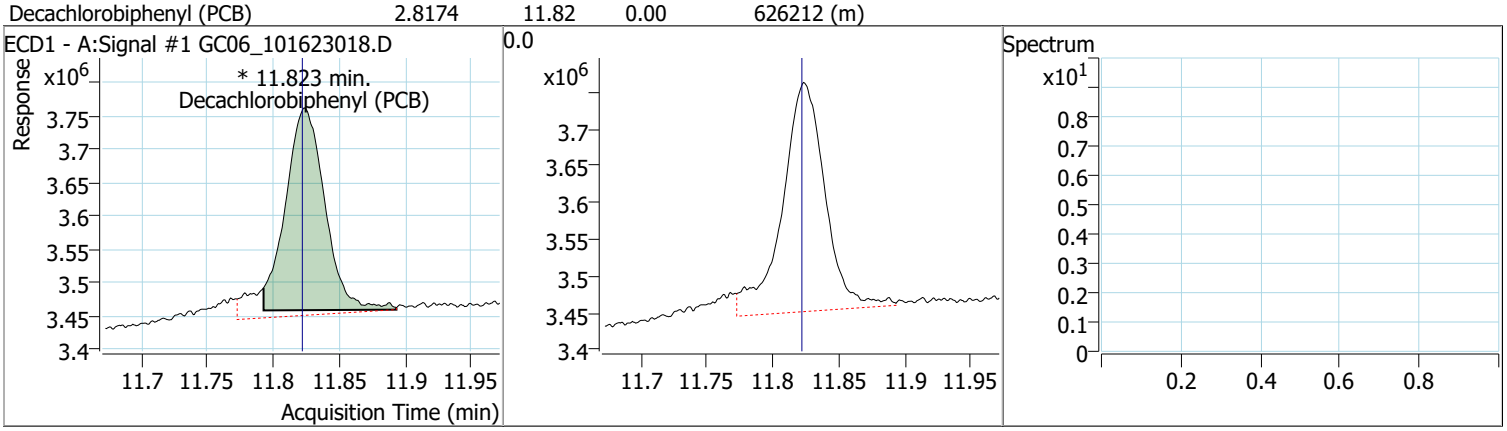
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	25.2543	10.78	0.00	632542				



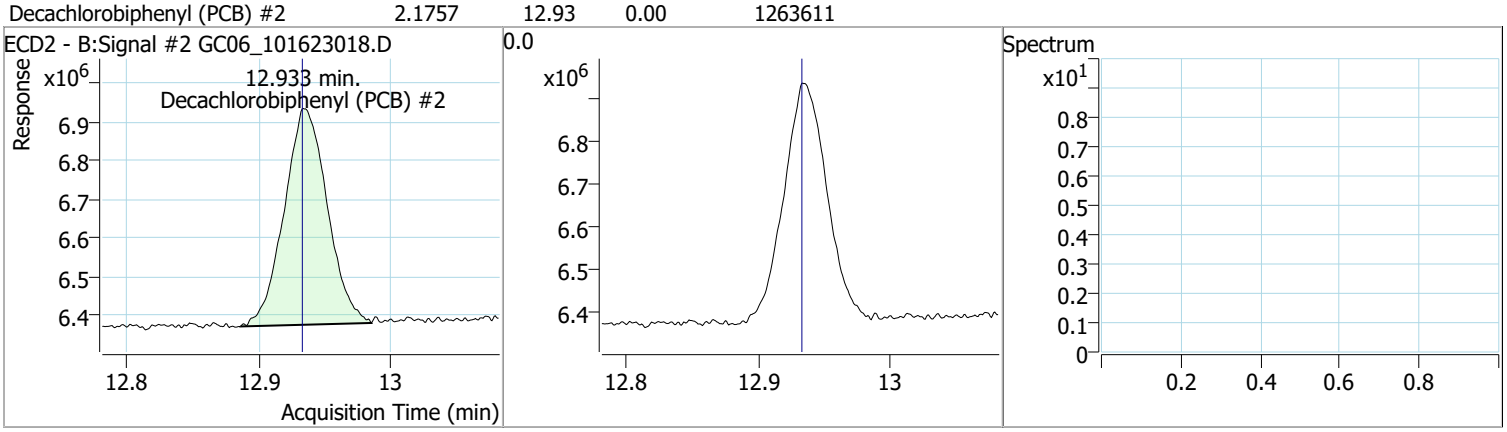
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.9620	11.43	0.00	889502				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.8174	11.82	0.00	626212 (m)				

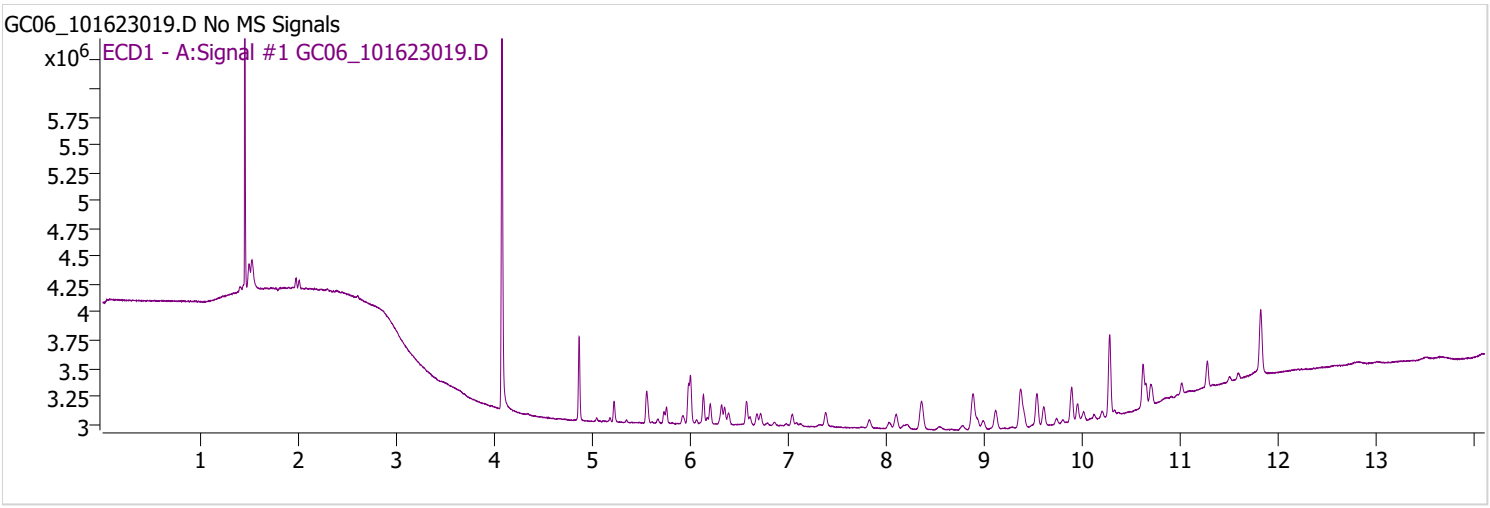


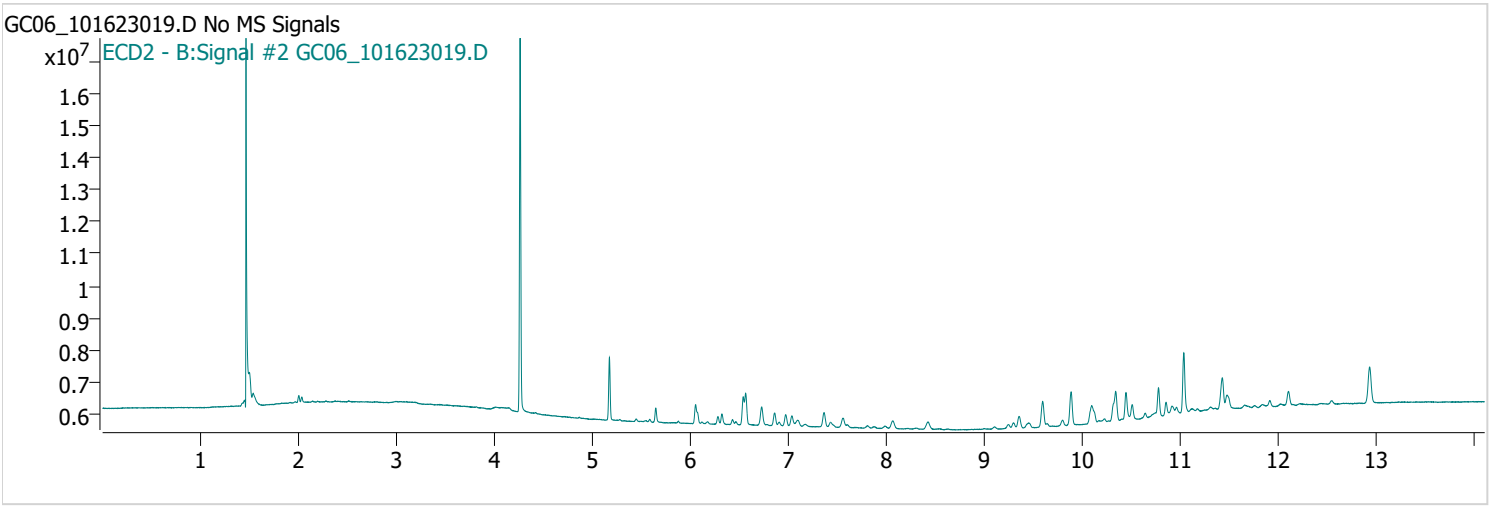
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.1757	12.93	0.00	1263611				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623019.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 2:42:30 PM
Sample Name	ICAL, S18456	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



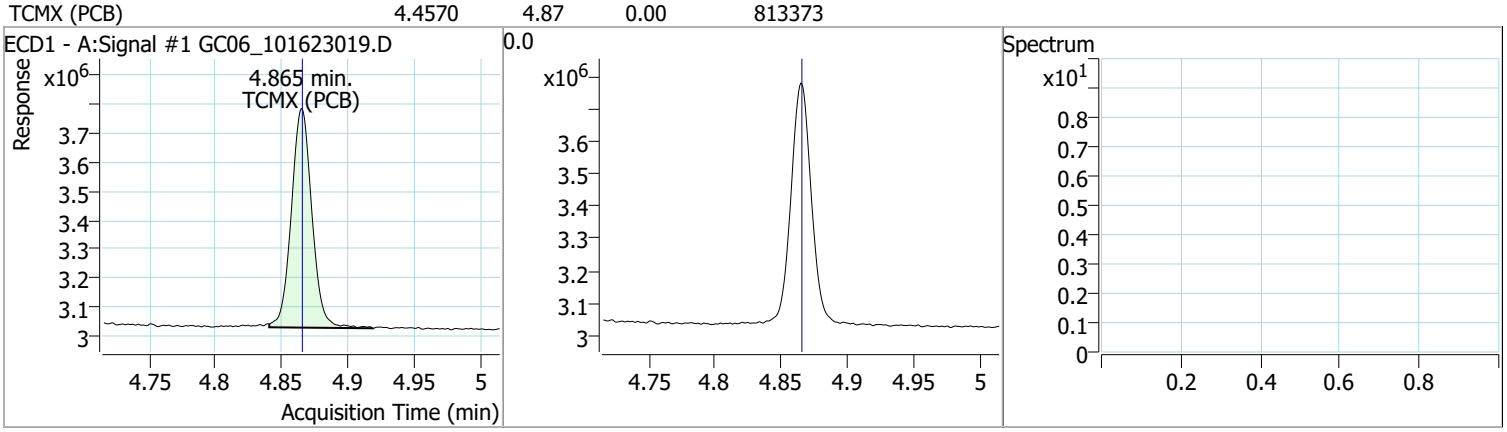


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3667875.445	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10693235.598	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.865	0.0	813372.618	4.4570	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.29%		*	
S TCMX (PCB) #2	5.174	0.0	2085121.453	4.1482	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.74%		*	
S Decachlorobiphenyl (PCB)	11.823	0.0	1108261.850	4.7366	ng/ml	m	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.68%		*	
S Decachlorobiphenyl (PCB) #2	12.935	0.0	2535121.367	4.1301	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.65%		*	
Target Compounds							**QValue**
T AR1016 1	5.222	0.0	236237.230	59.3420	ng/ml		100

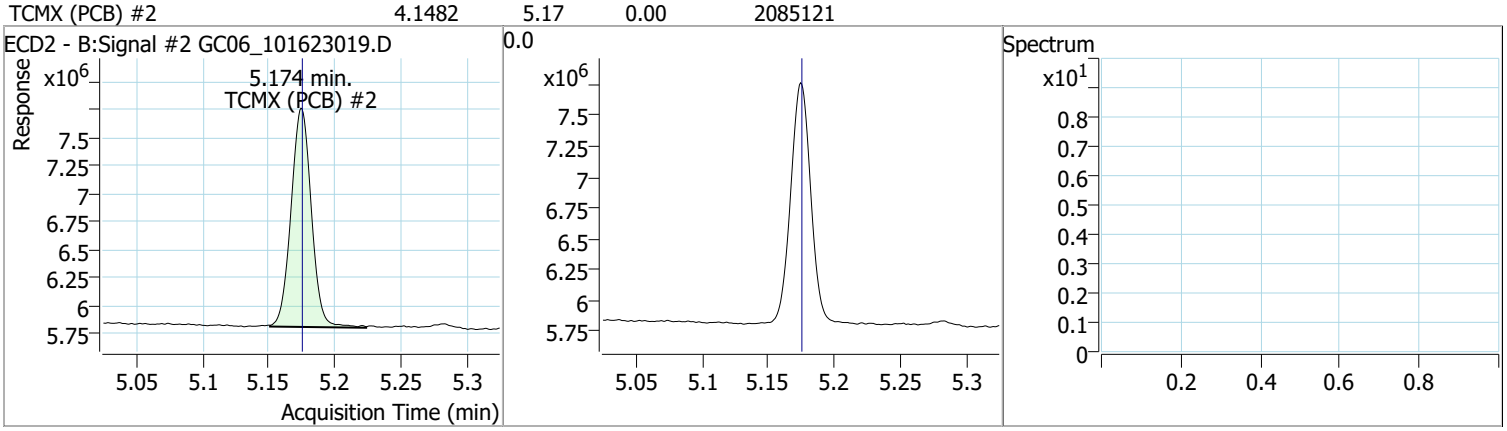
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.556	0.0	465093.527	58.2083	ng/ml		100
T AR1016 1 #2	5.648	0.0	547231.083	55.3433	ng/ml		100
T AR1016 3	6.002	0.0	647648.301	63.4098	ng/ml	m	100
T AR1016 2 #2	6.054	0.0	1151744.911	55.8143	ng/ml		100
T AR1016 4	6.134	0.0	374889.126	58.5801	ng/ml		100
T AR1016 3 #2	6.565	0.0	1542036.706	56.1582	ng/ml		100
T AR1016 5	6.574	0.0	344805.829	59.8741	ng/ml		100
T AR1016 4 #2	6.729	0.0	1051965.552	57.0285	ng/ml	m	100
T AR1016 5 #2	7.366	0.0	846766.924	55.5644	ng/ml		100
T AR1260 1	8.360	0.0	658177.869	59.3519	ng/ml		100
T AR1260 2	8.887	0.0	1005079.458	58.1647	ng/ml		100
T AR1260 3	9.373	0.0	1032552.188	56.9054	ng/ml		100
T AR1260 1 #2	9.598	0.0	1567691.953	55.3751	ng/ml		100
T AR1260 2 #2	9.888	0.0	1906704.350	55.8225	ng/ml		100
T AR1260 4	9.893	0.0	574864.515	60.2702	ng/ml		100
T AR1260 3 #2	10.342	0.0	2264443.228	52.0070	ng/ml	m	100
T AR1260 5	10.622	0.0	691839.247	56.8430	ng/ml		100
T AR1260 4 #2	10.779	0.0	1348044.779	50.9251	ng/ml		100
T AR1260 5 #2	11.431	0.0	1988857.584	50.6946	ng/ml		100

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

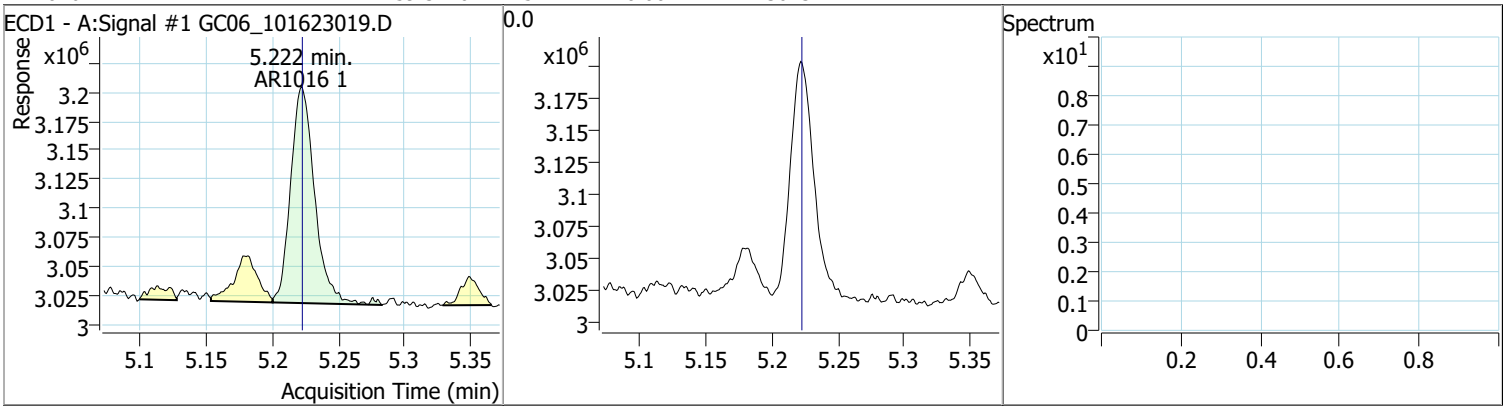
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.4570	4.87	0.00	813373				



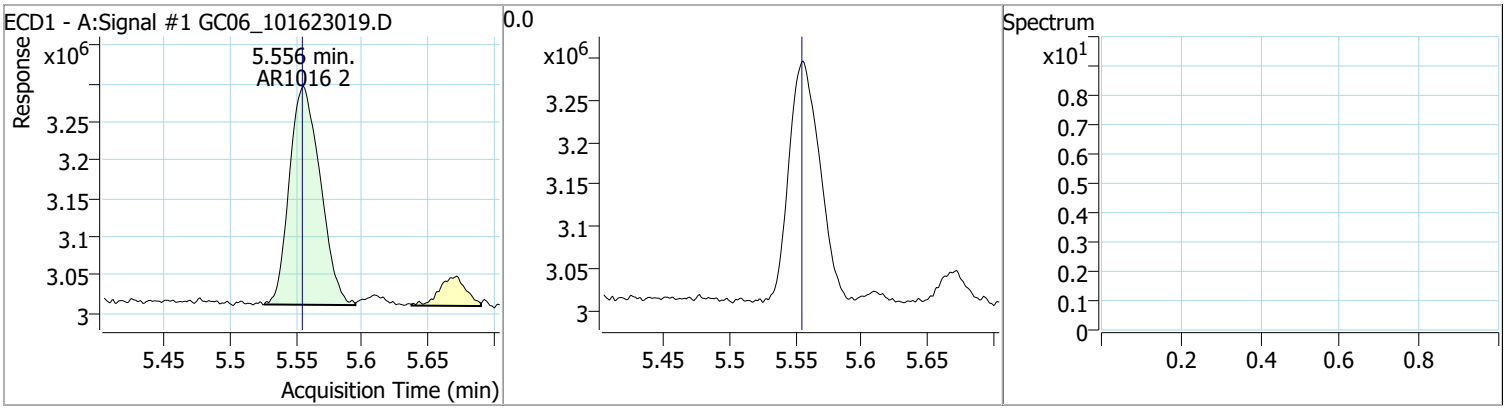
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1482	5.17	0.00	2085121				



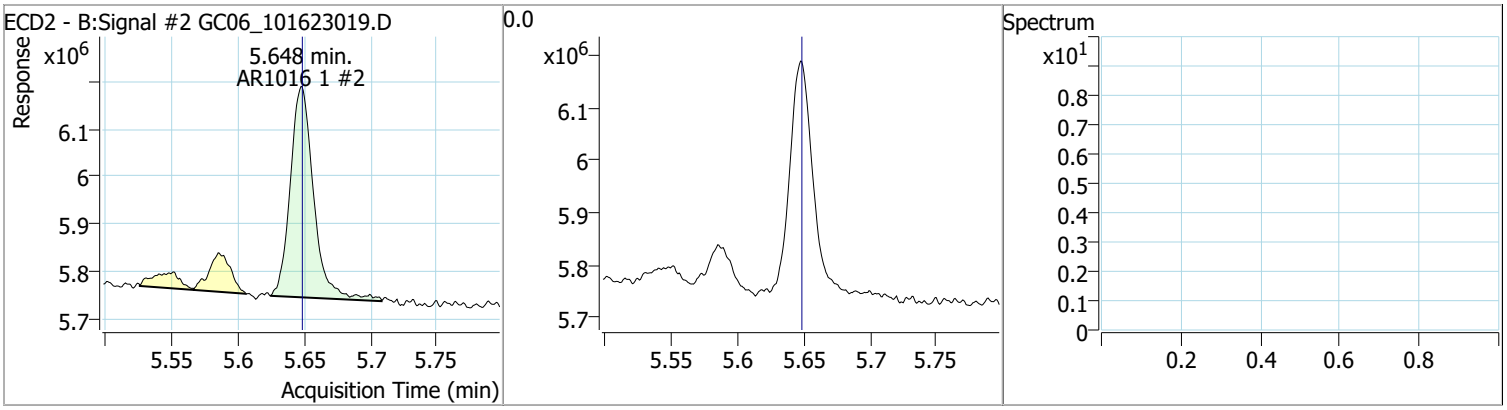
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	59.3420	5.22	0.00	236237				



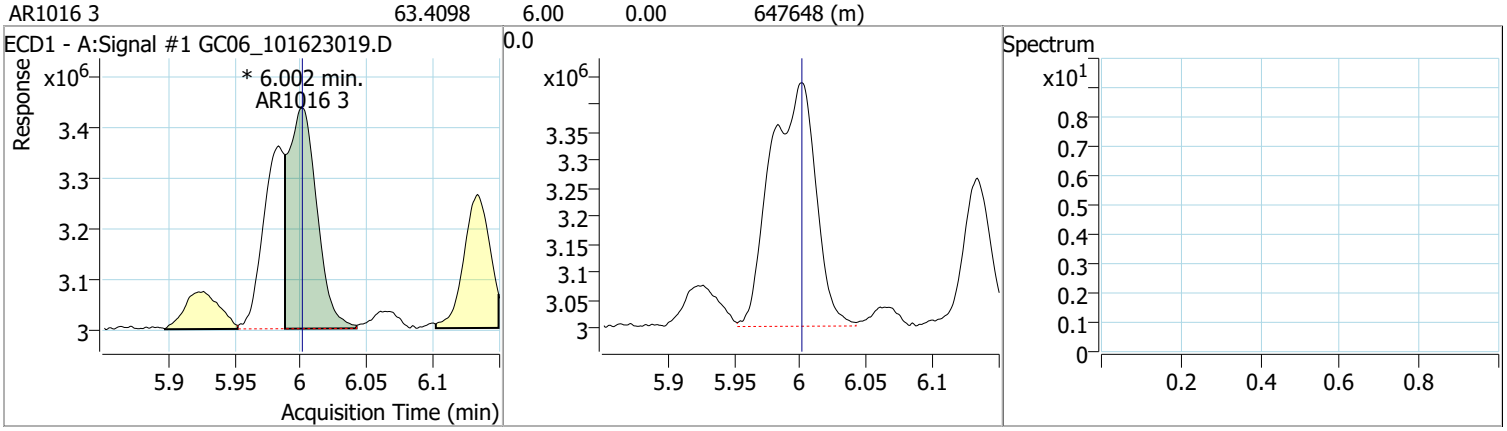
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	58.2083	5.56	0.00	465094				



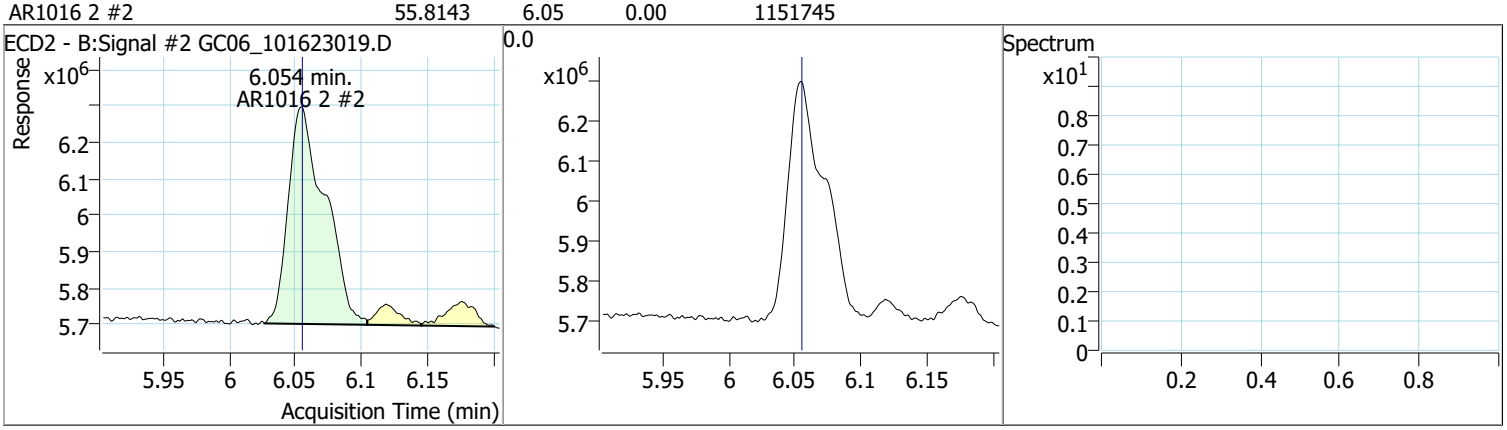
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	55.3433	5.65	0.00	547231				



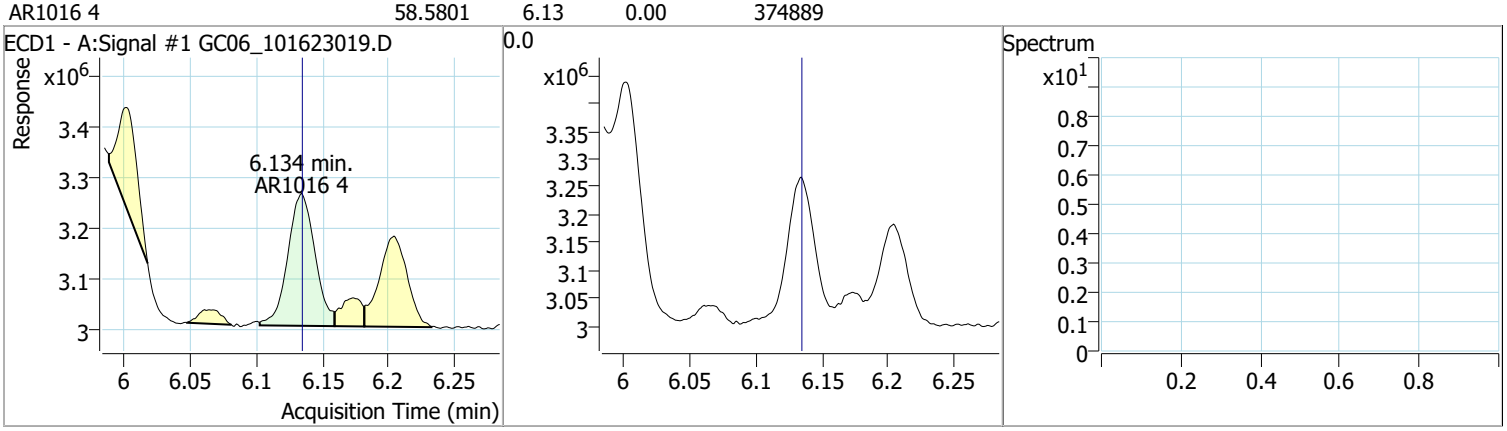
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	63.4098	6.00	0.00	647648 (m)				



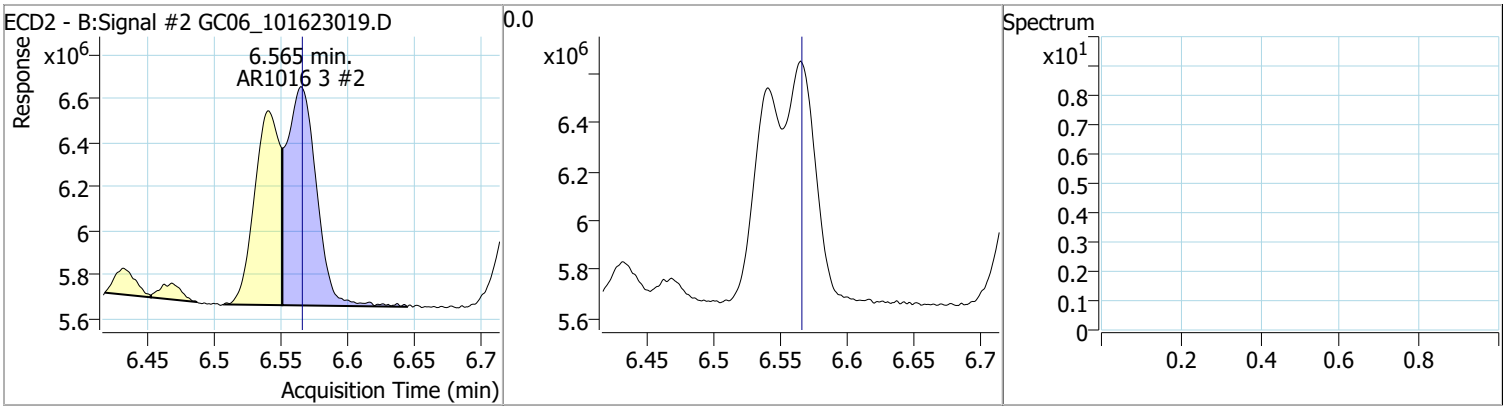
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	55.8143	6.05	0.00	1151745				



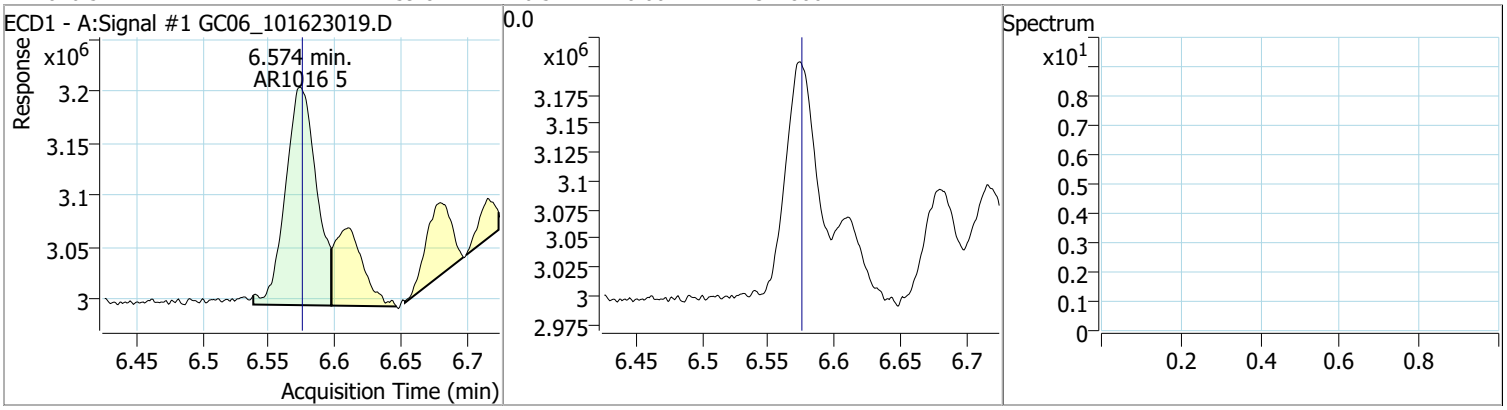
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	58.5801	6.13	0.00	374889				



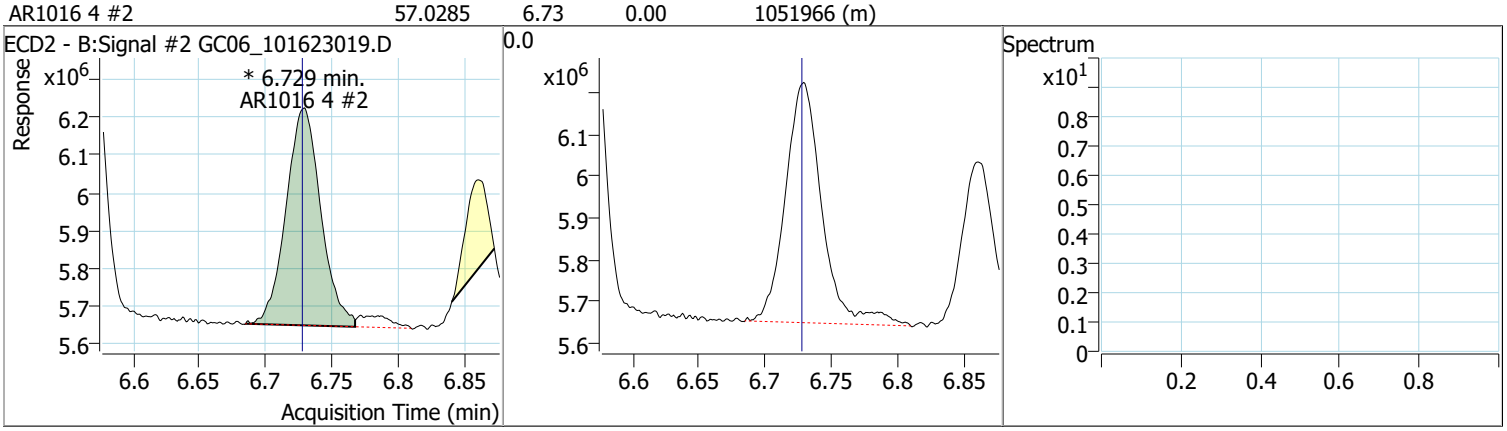
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	56.1582	6.57	0.00	1542037				



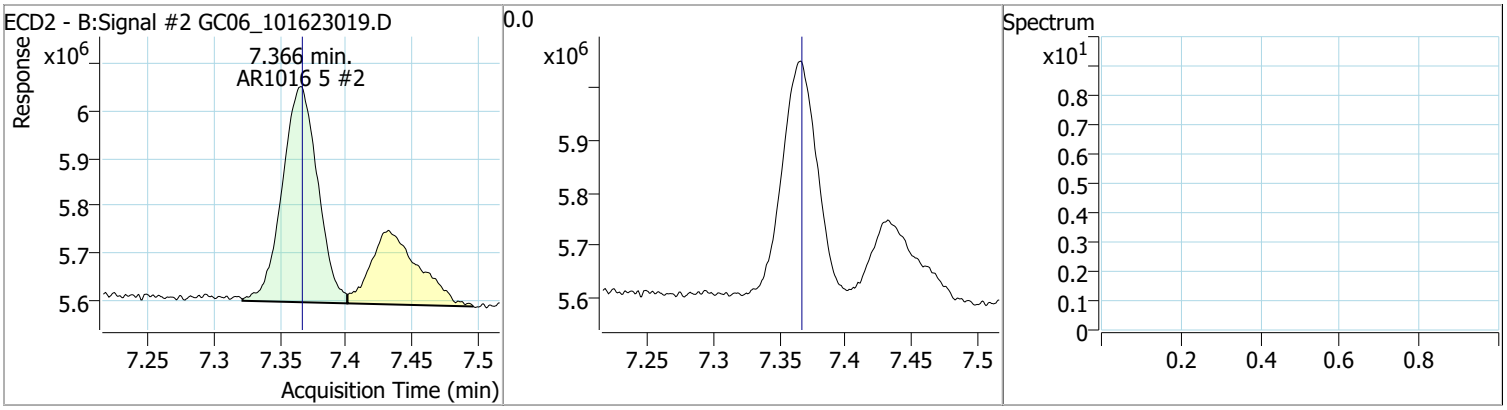
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	59.8741	6.57	0.00	344806				



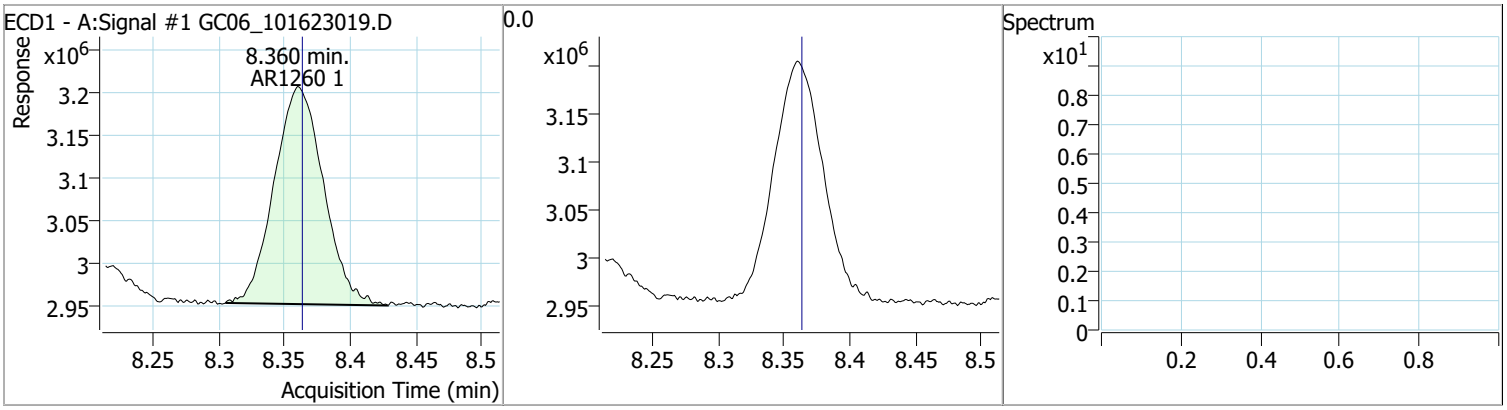
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	57.0285	6.73	0.00	1051966 (m)				



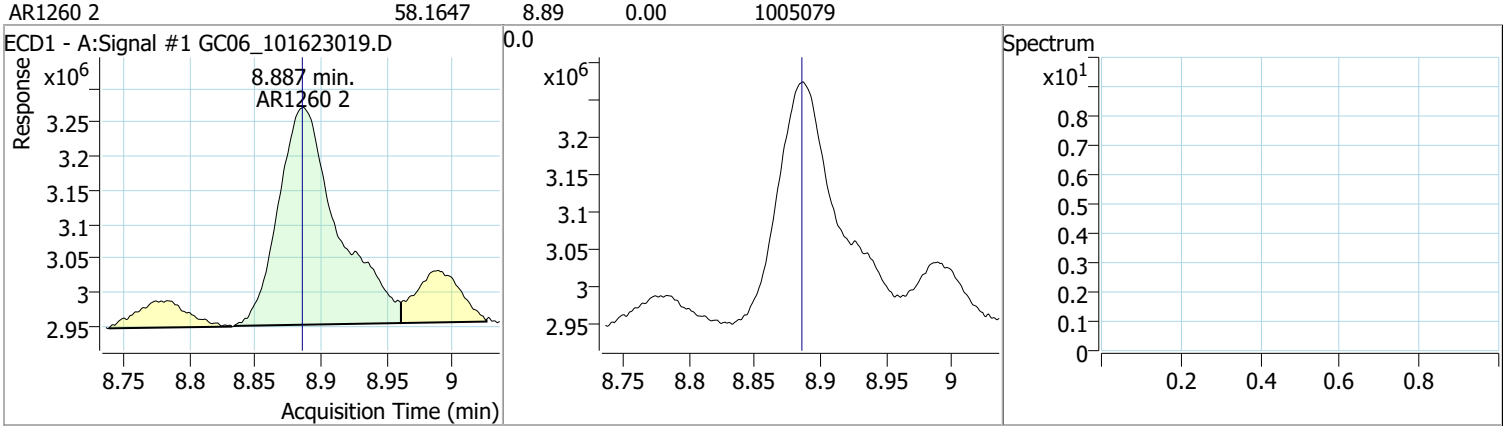
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	55.5644	7.37	0.00	846767				



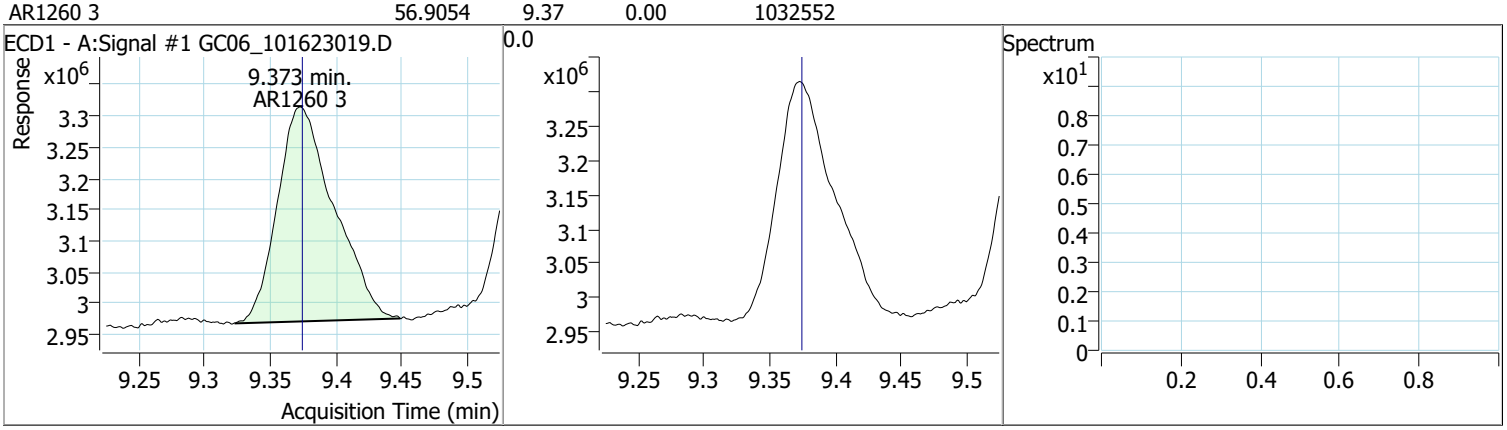
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	59.3519	8.36	0.00	658178				



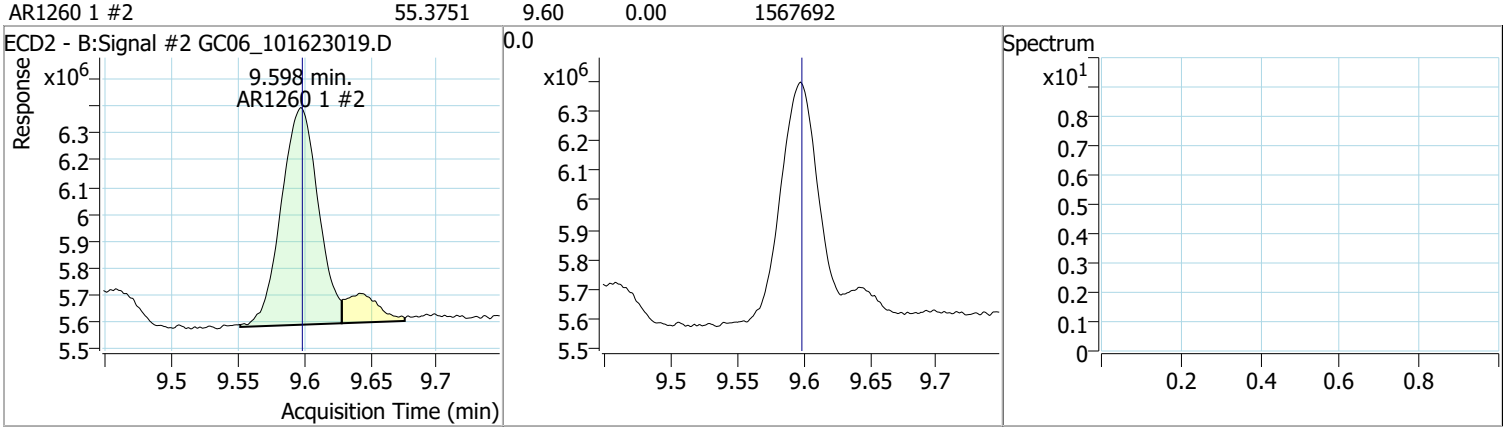
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	58.1647	8.89	0.00	1005079				



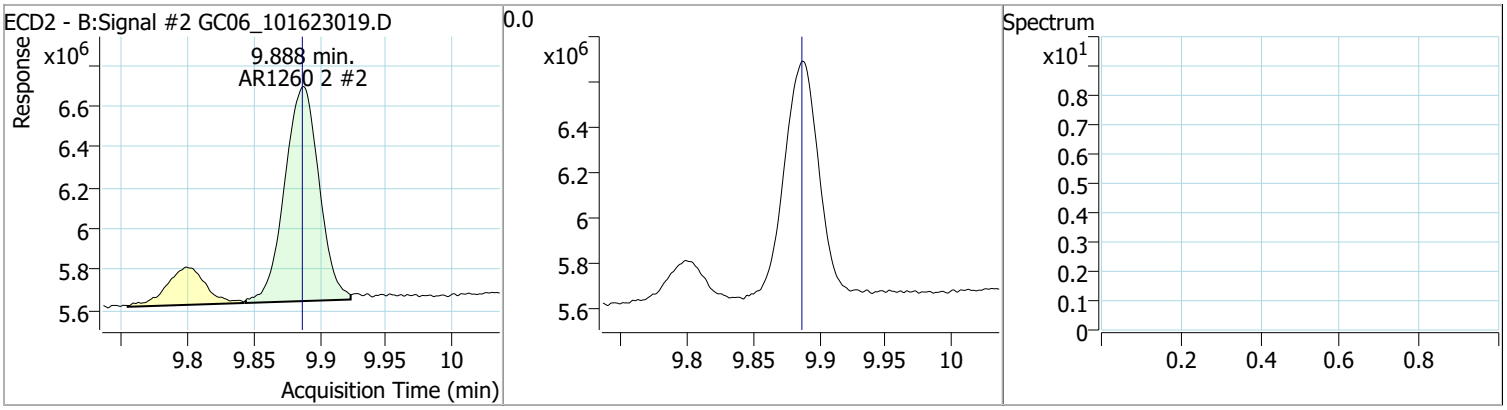
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	56.9054	9.37	0.00	1032552				



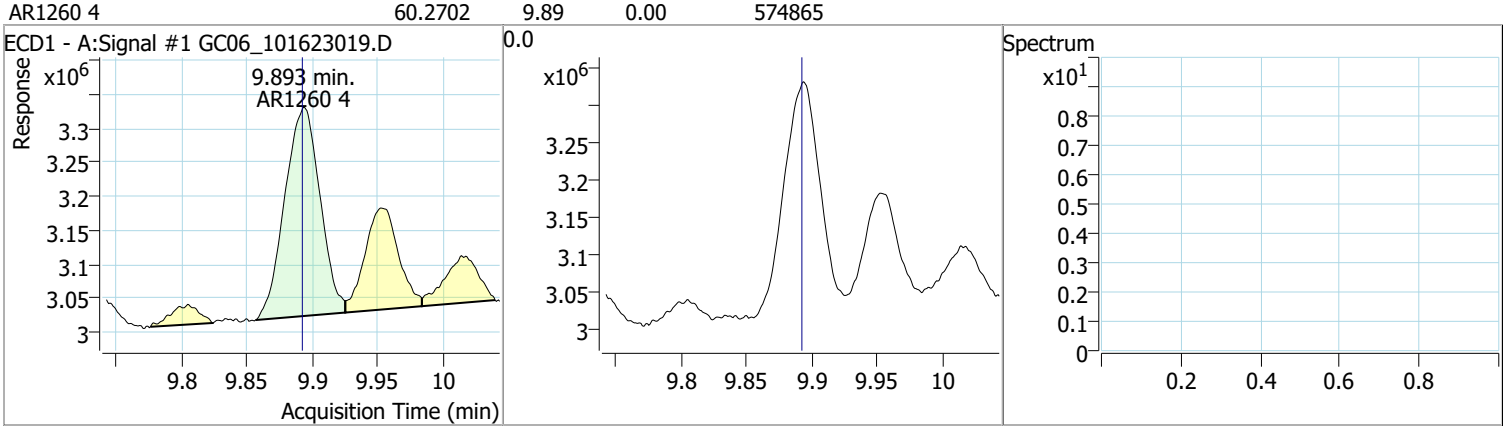
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	55.3751	9.60	0.00	1567692				



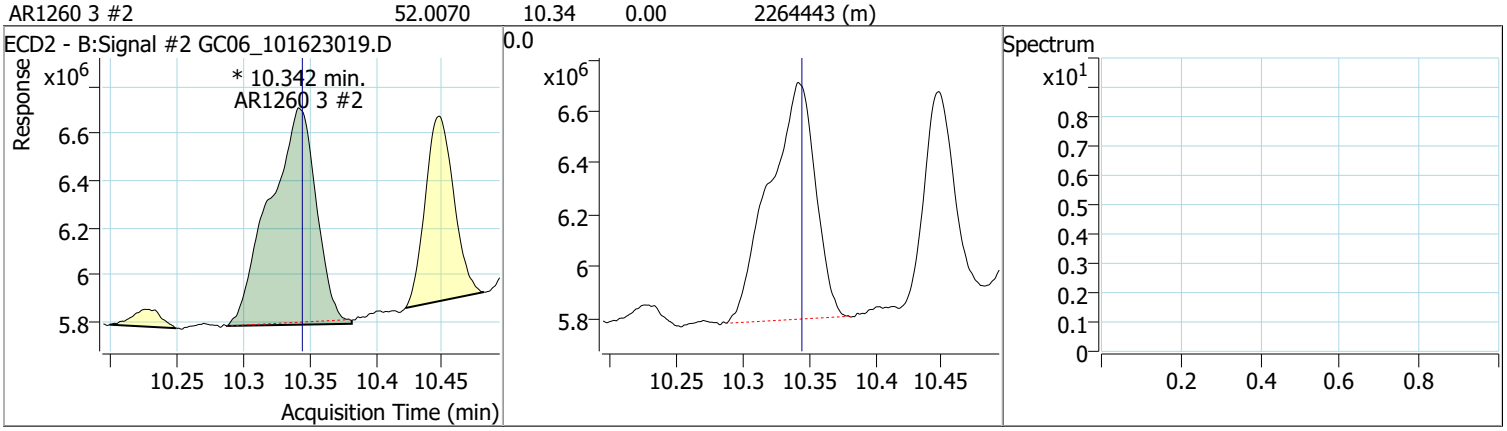
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	55.8225	9.89	0.00	1906704				



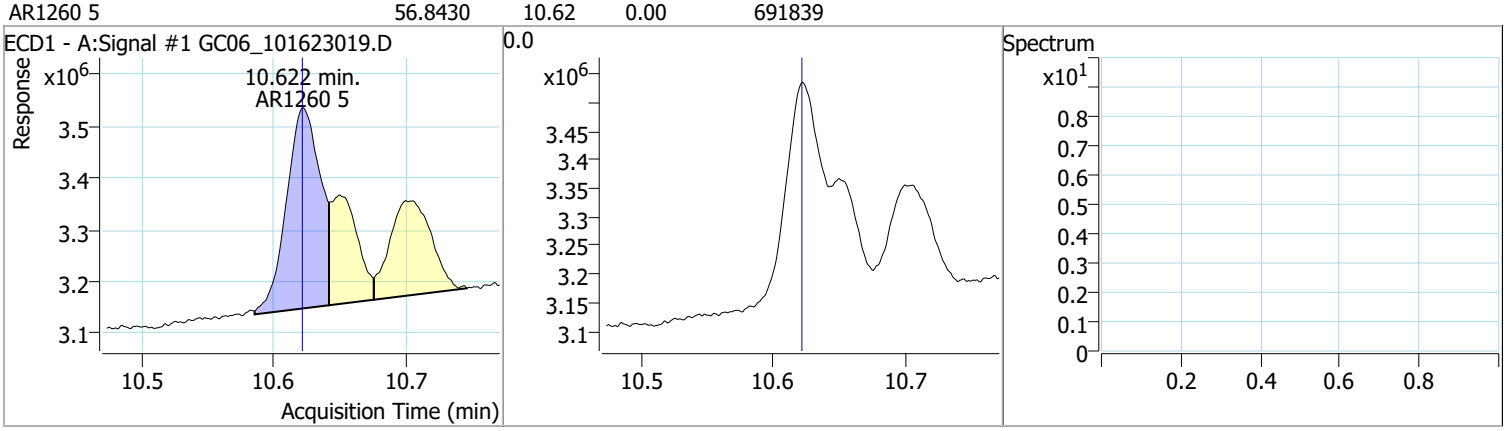
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	60.2702	9.89	0.00	574865				



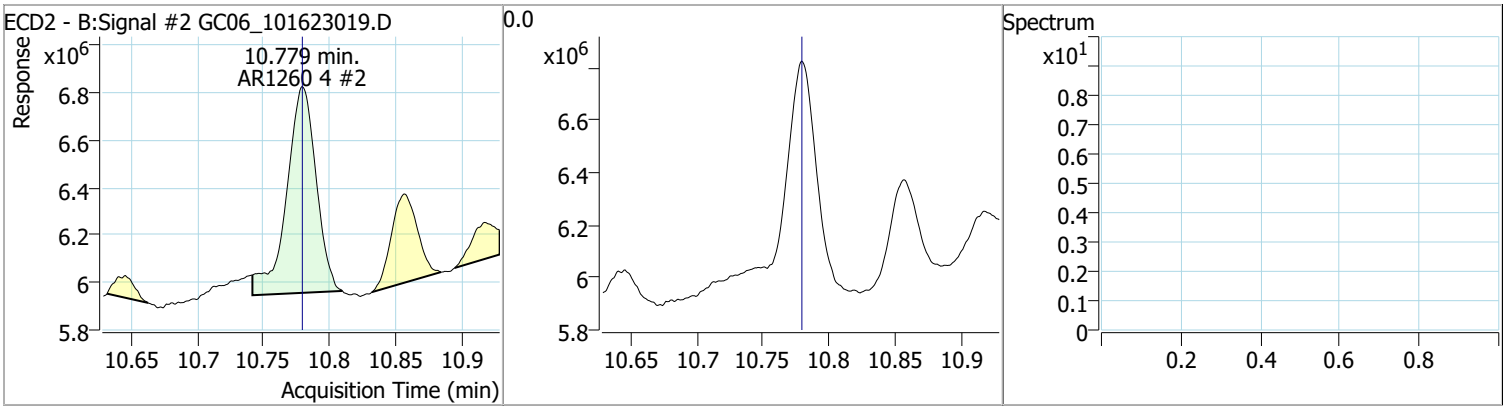
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	52.0070	10.34	0.00	2264443 (m)				



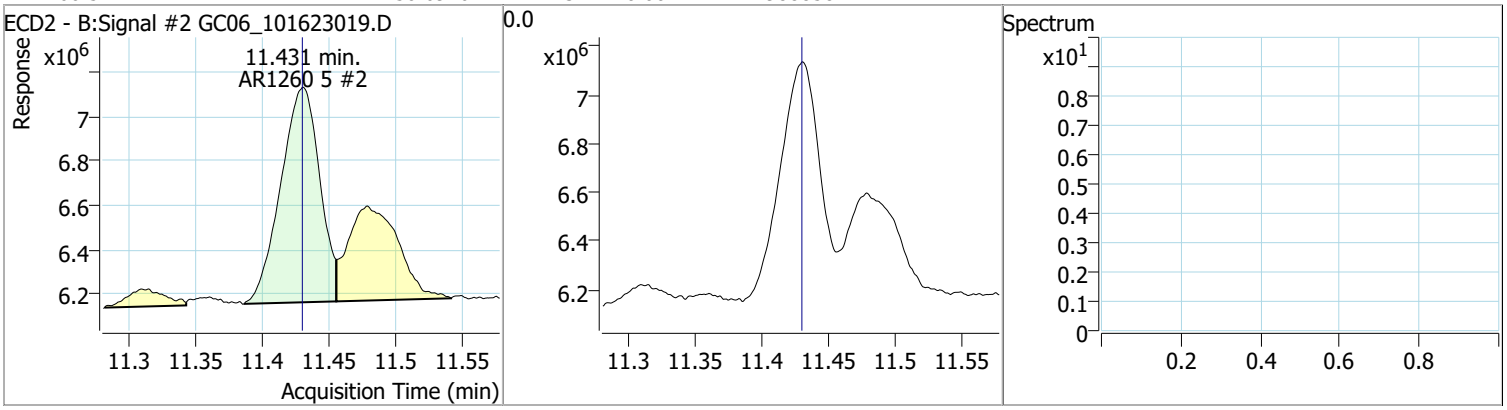
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	56.8430	10.62	0.00	691839				



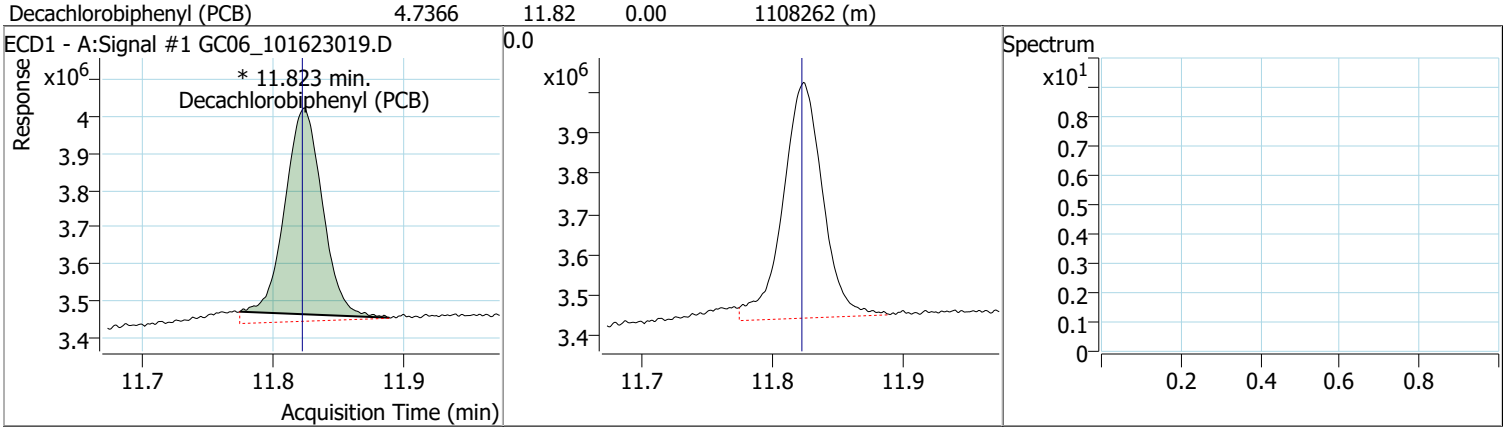
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	50.9251	10.78	0.00	1348045				



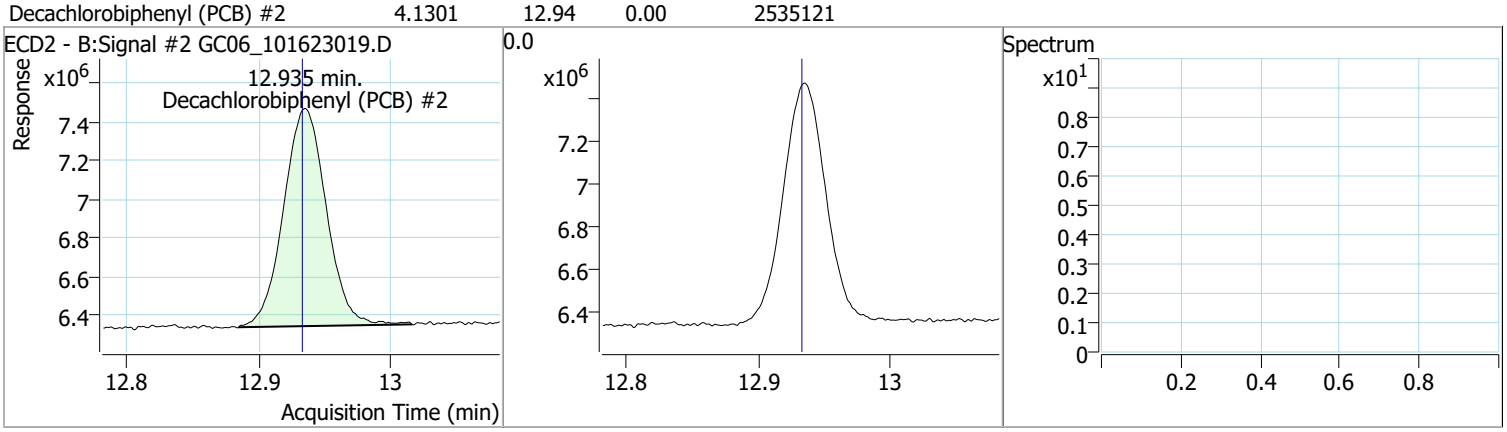
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	50.6946	11.43	0.00	1988858				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.7366	11.82	0.00	1108262 (m)				

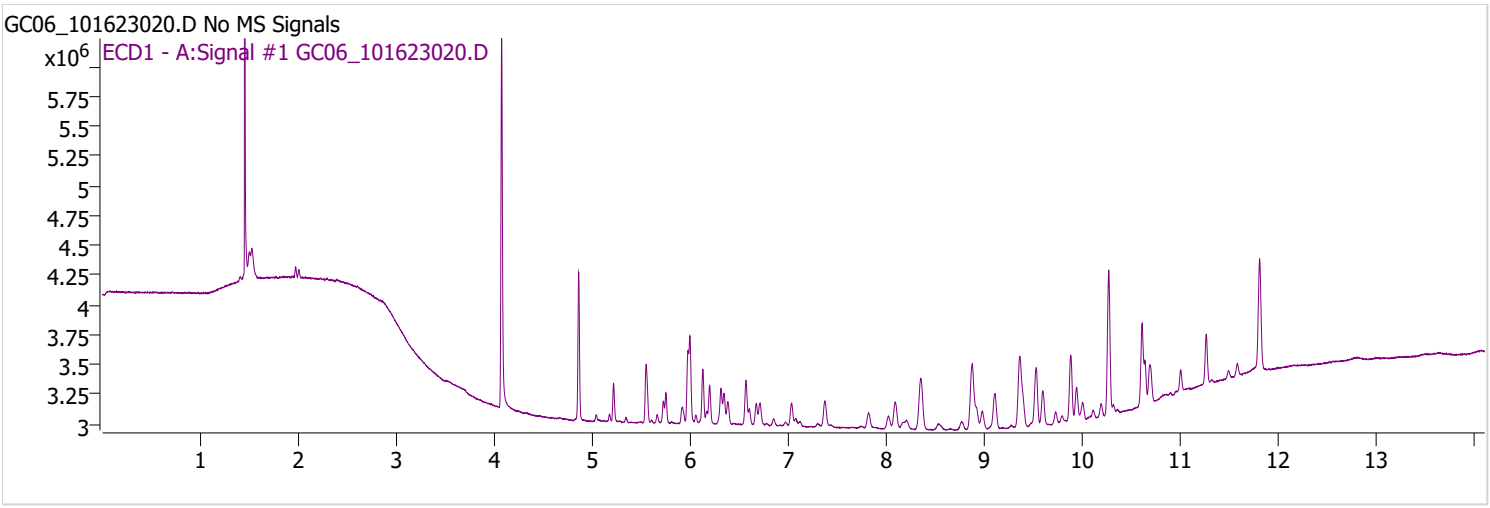


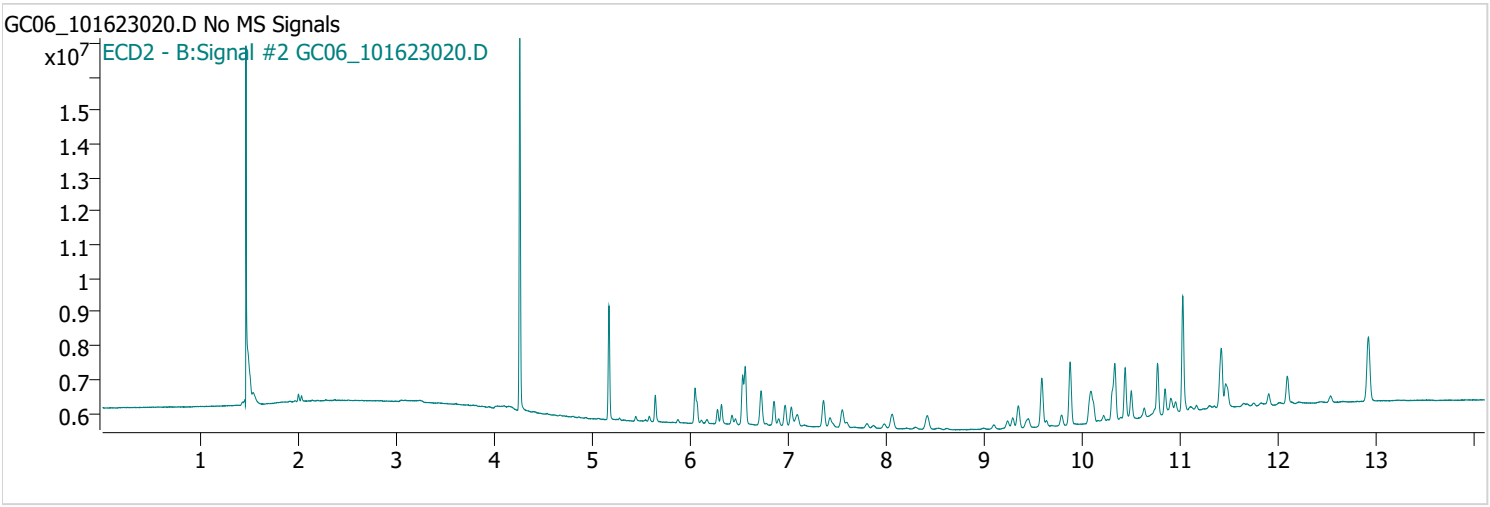
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.1301	12.94	0.00	2535121				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623020.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 3:01:30 PM
Sample Name	ICAL, S18457	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



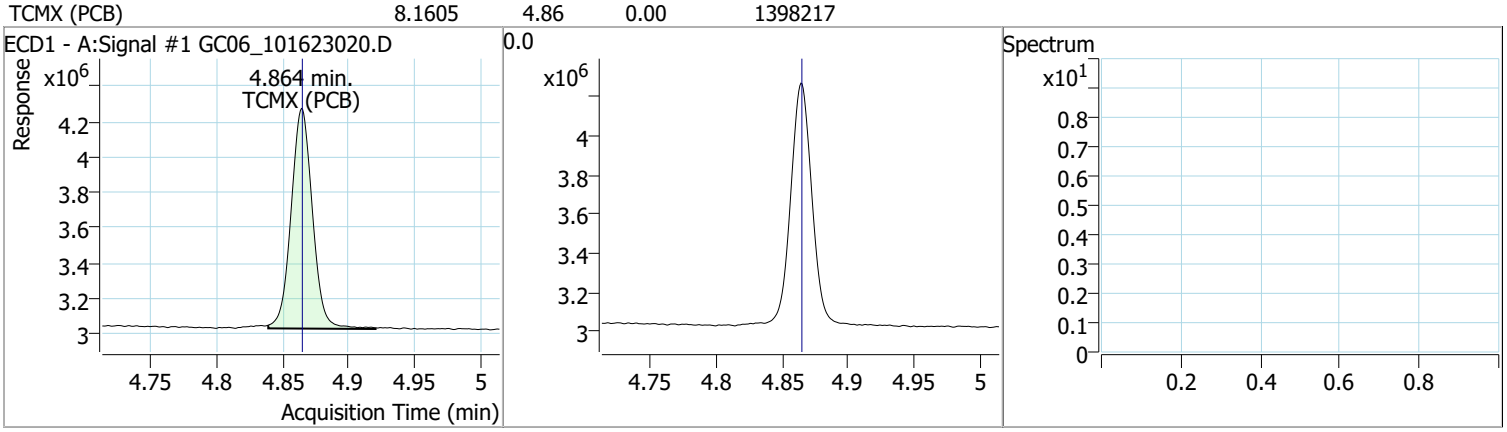


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.077	0.0	3443724.380	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10057237.419	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.864	0.0	1398217.454	8.1605	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.80%		*	
S TCMX (PCB) #2	5.173	0.0	3654175.528	7.7295	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.65%		*	
S Decachlorobiphenyl (PCB)	11.822	0.0	1789289.025	8.1450	ng/ml	m	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.73%		*	
S Decachlorobiphenyl (PCB) #2	12.933	0.0	4302279.322	7.4523	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 37.26%		*	
Target Compounds							QValue

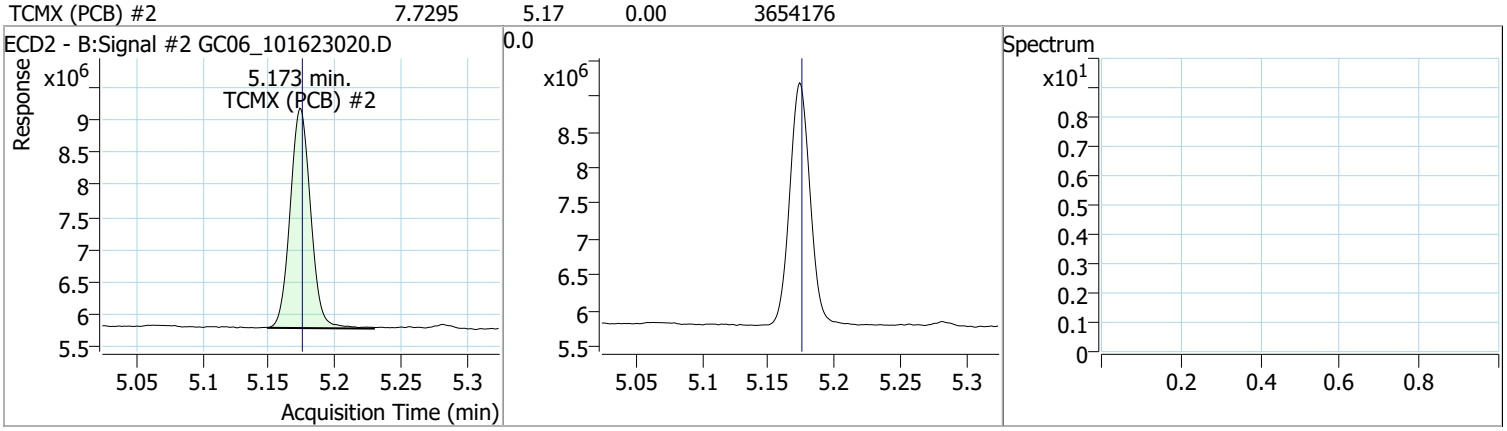
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.221	0.0	400308.537	107.1013	ng/ml		100
T AR1016 2	5.553	0.0	812541.886	108.3120	ng/ml		100
T AR1016 1 #2	5.647	0.0	956570.562	102.8589	ng/ml		100
T AR1016 3	6.000	0.0	1020526.495	106.4211	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	2039060.509	105.0630	ng/ml		100
T AR1016 4	6.133	0.0	657394.047	109.4106	ng/ml		100
T AR1016 3 #2	6.565	0.0	2665546.122	103.2132	ng/ml		100
T AR1016 5	6.573	0.0	603631.731	111.6407	ng/ml		100
T AR1016 4 #2	6.728	0.0	1829999.741	105.4805	ng/ml		100
T AR1016 5 #2	7.366	0.0	1500780.124	104.7081	ng/ml		100
T AR1260 1	8.360	0.0	1140625.287	109.5521	ng/ml		100
T AR1260 2	8.886	0.0	1751147.516	107.9365	ng/ml		100
T AR1260 3	9.373	0.0	1813443.106	106.4466	ng/ml		100
T AR1260 1 #2	9.596	0.0	2773733.876	104.1715	ng/ml		100
T AR1260 2 #2	9.885	0.0	3344572.030	104.1111	ng/ml		100
T AR1260 4	9.893	0.0	1026987.753	114.6802	ng/ml		100
T AR1260 3 #2	10.342	0.0	4034552.824	98.5205	ng/ml	m	100
T AR1260 5	10.621	0.0	1283055.187	112.2803	ng/ml		100
T AR1260 4 #2	10.778	0.0	2475287.889	99.4223	ng/ml		100
T AR1260 5 #2	11.428	0.0	3738704.380	101.3234	ng/ml		100

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

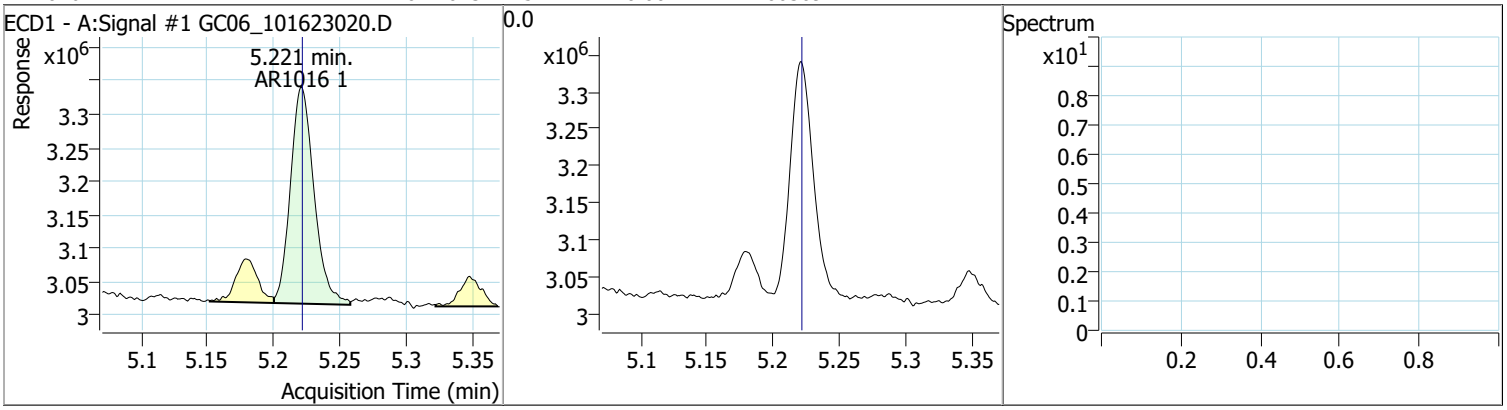
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.1605	4.86	0.00	1398217				



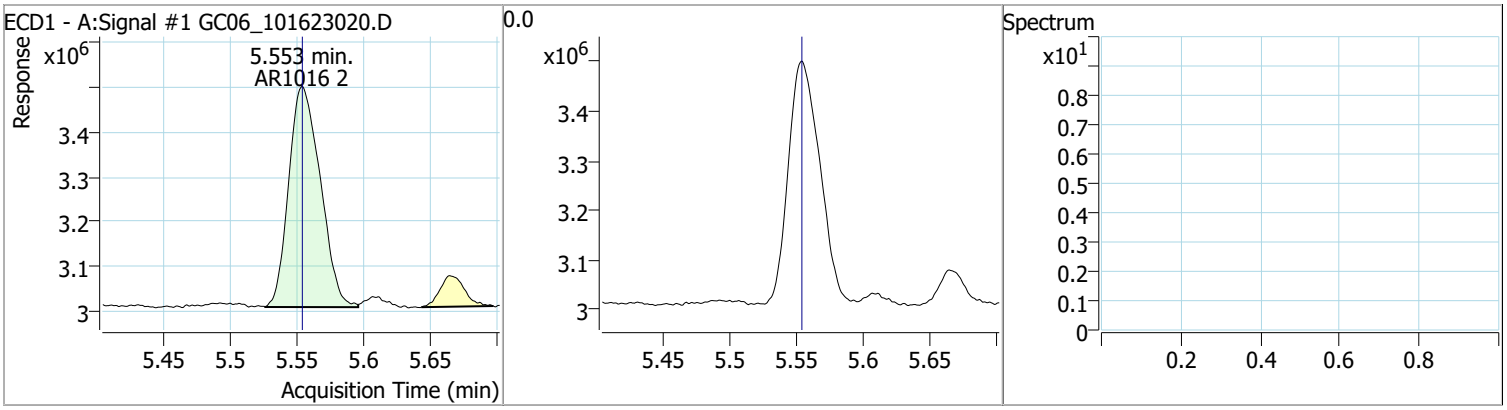
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	7.7295	5.17	0.00	3654176				



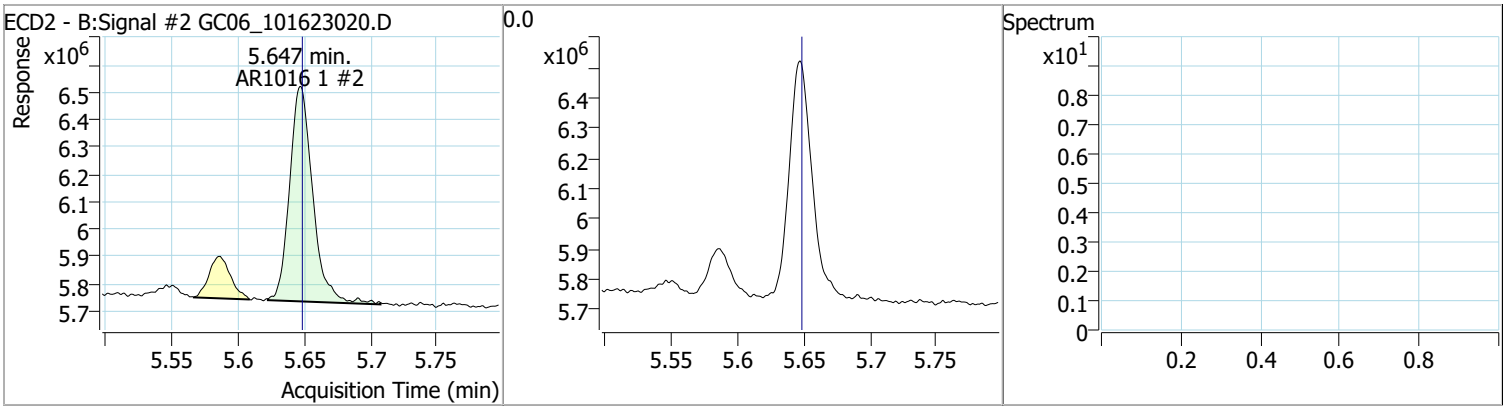
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	107.1013	5.22	0.00	400309				



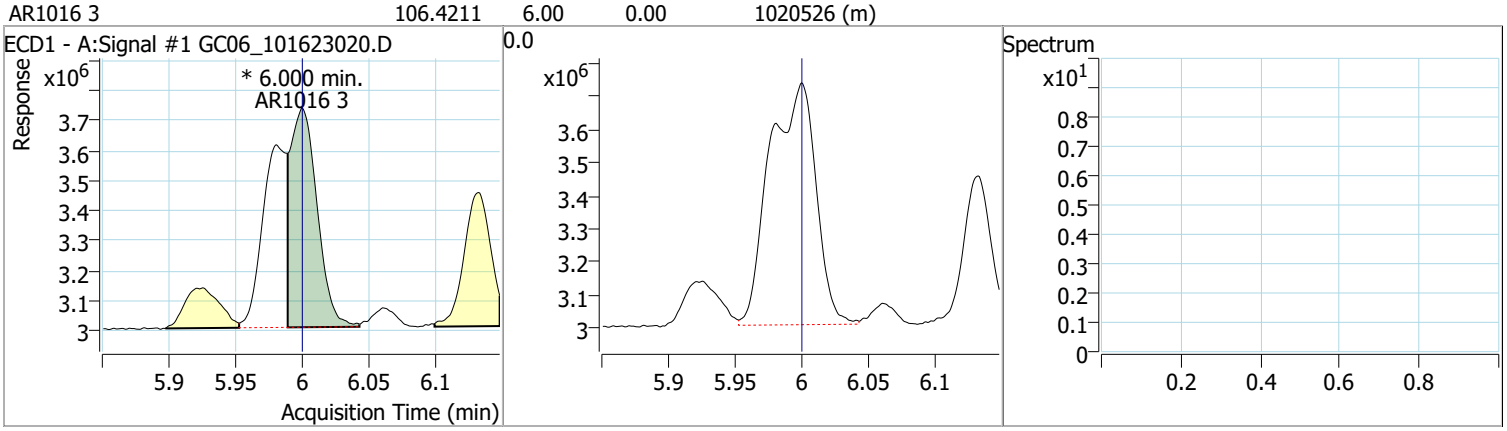
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	108.3120	5.55	0.00	812542				



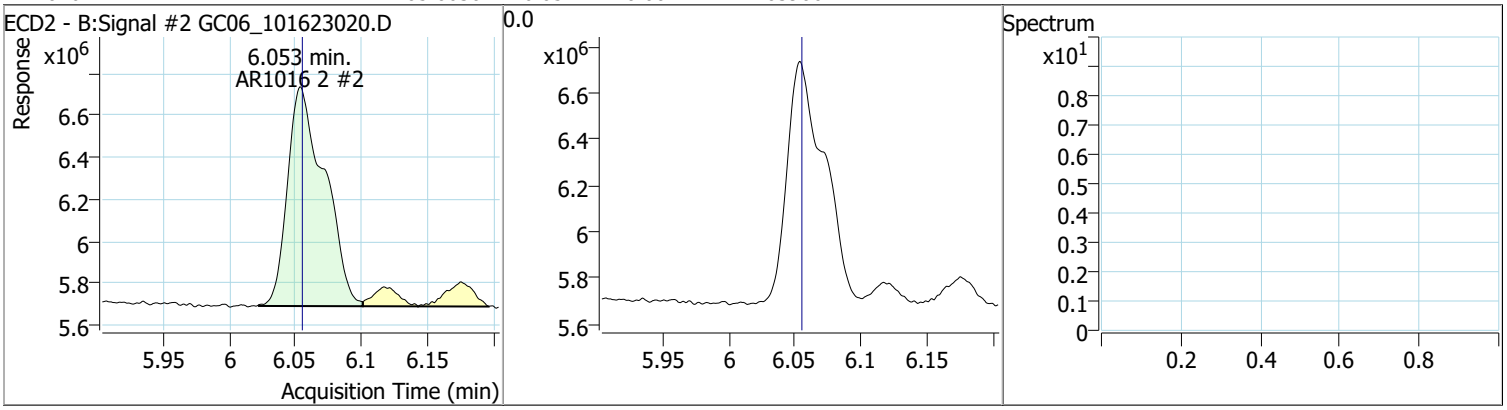
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	102.8589	5.65	0.00	956571				



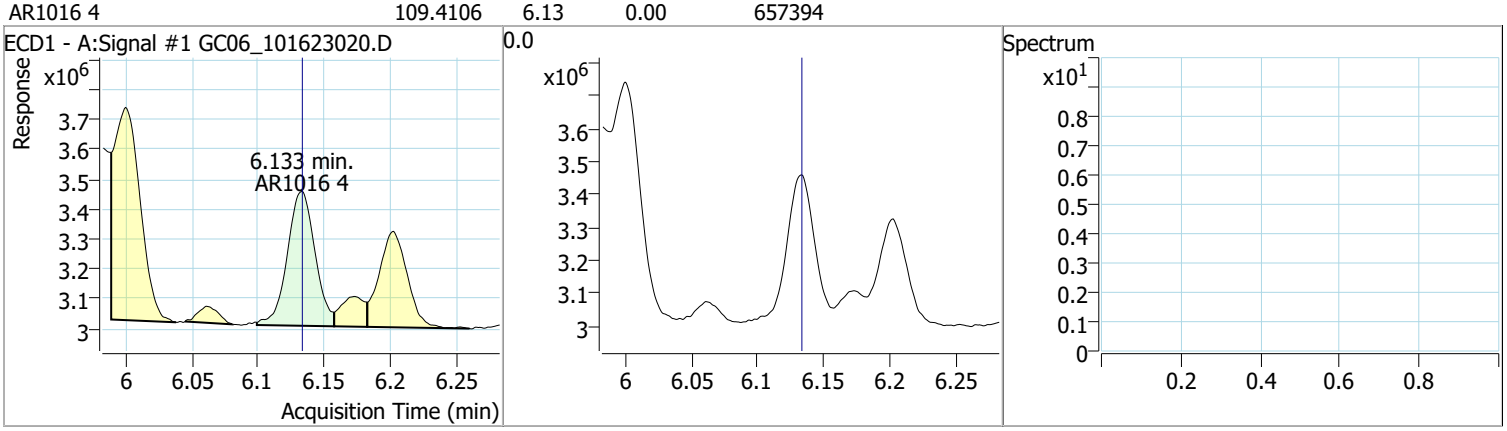
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	106.4211	6.00	0.00	1020526 (m)				



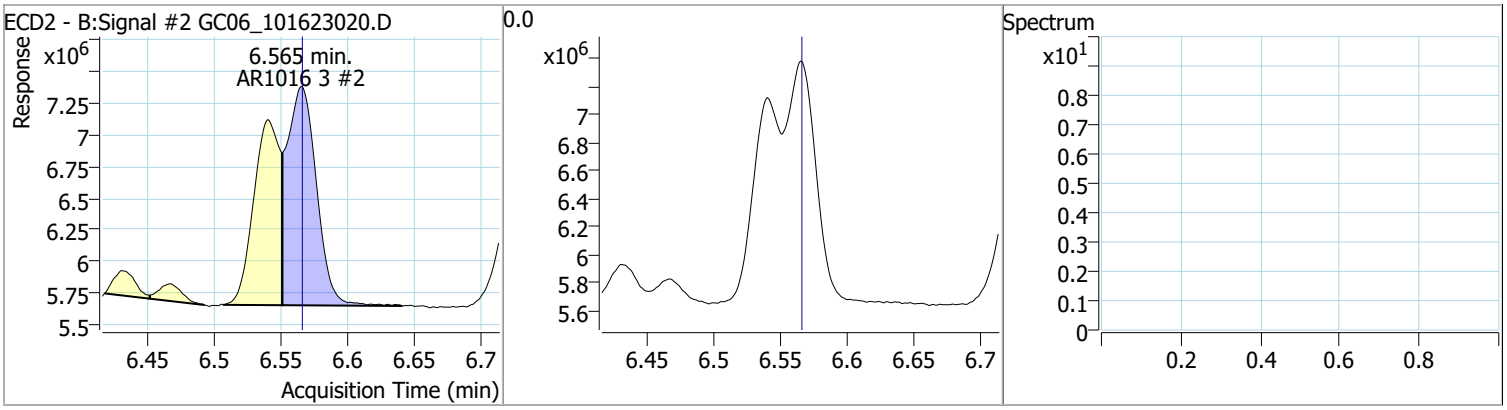
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	105.0630	6.05	0.00	2039061				



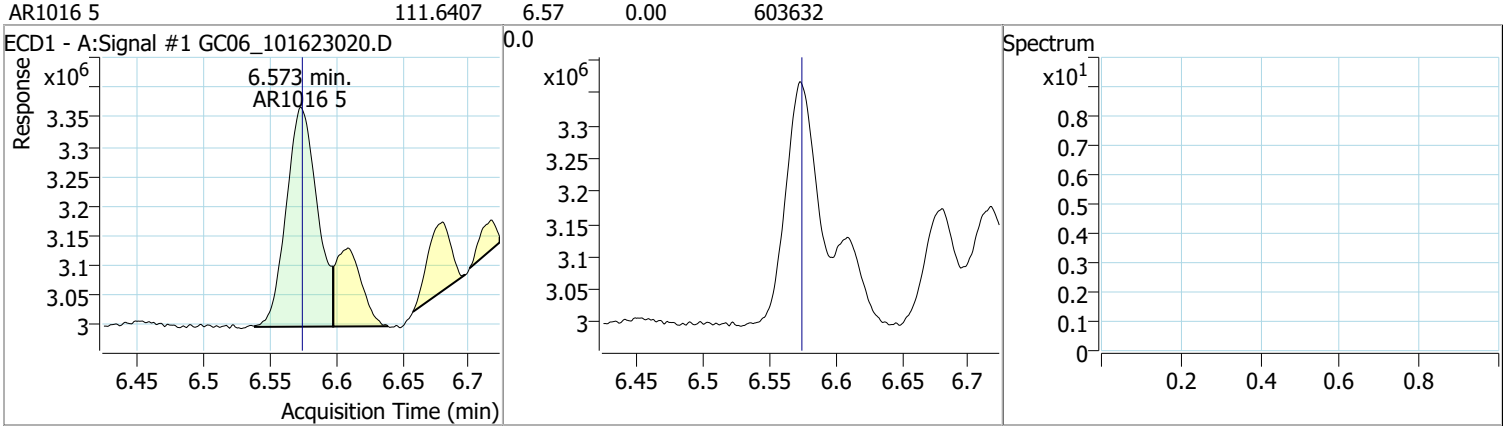
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	109.4106	6.13	0.00	657394				



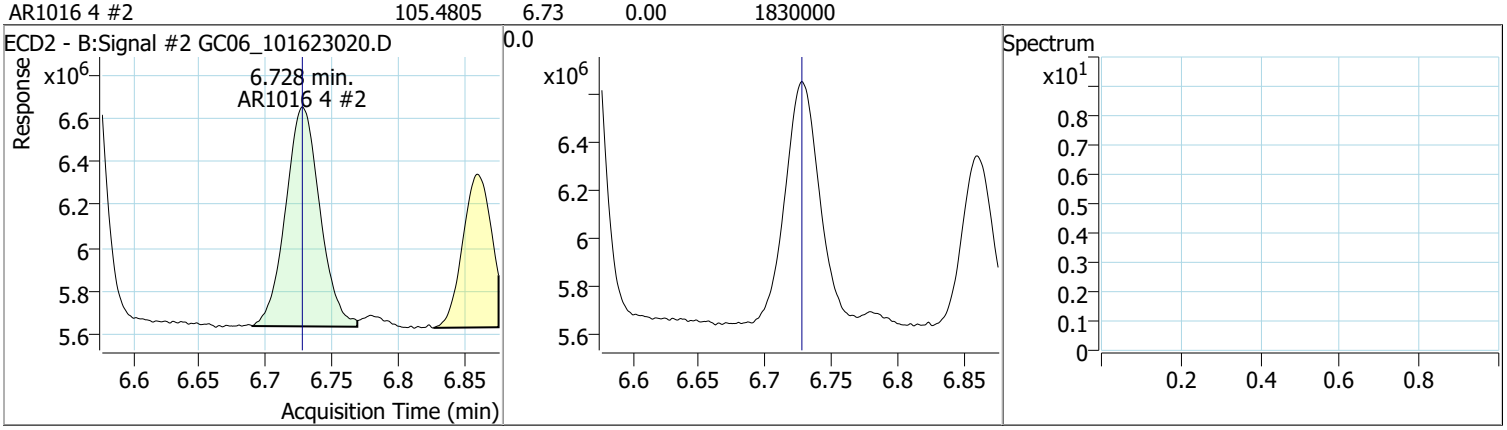
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	103.2132	6.57	0.00	2665546				



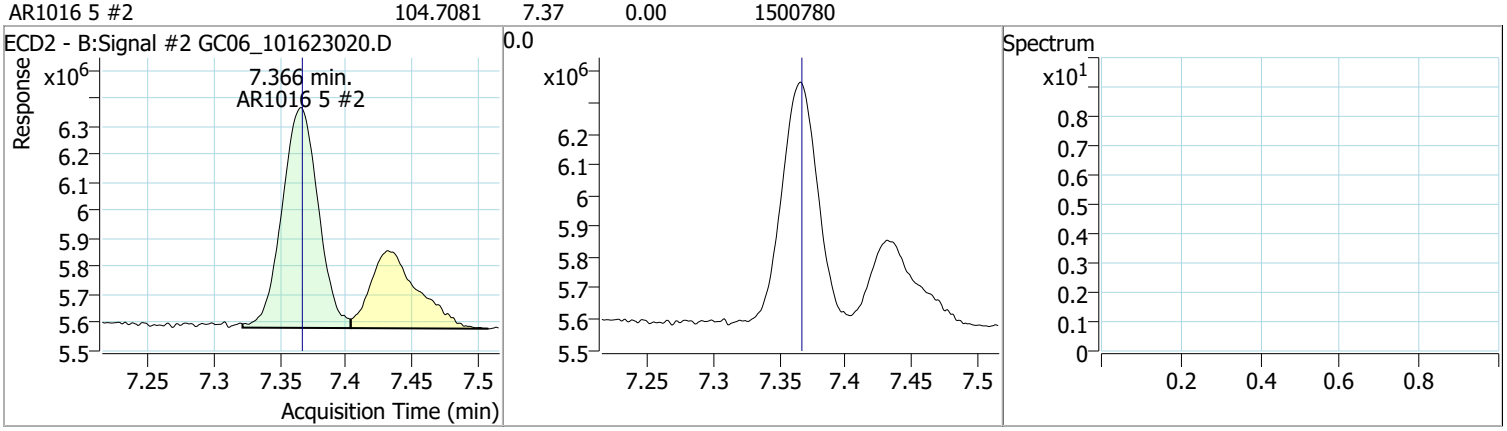
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	111.6407	6.57	0.00	603632				



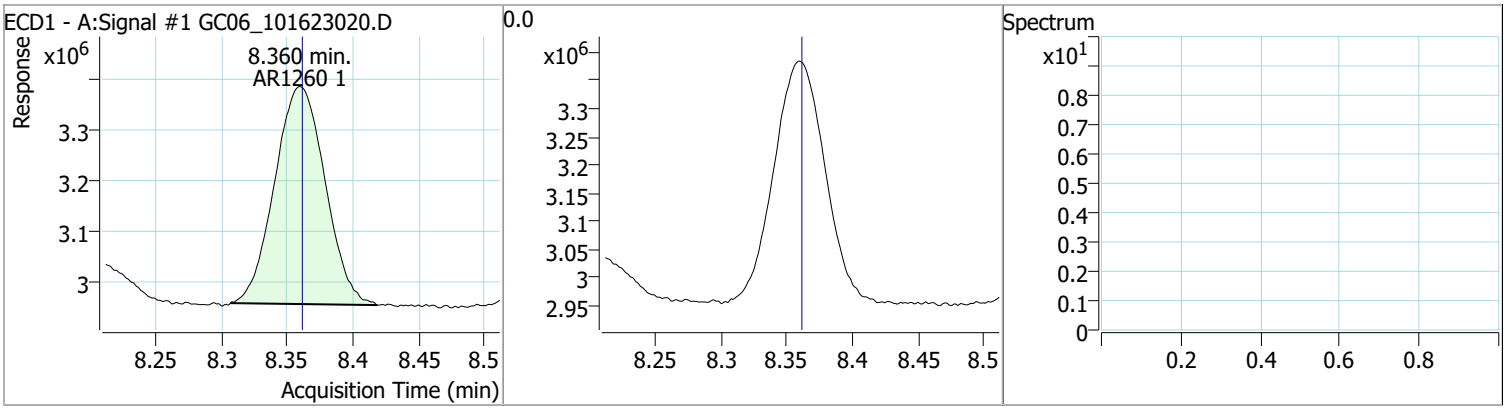
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	105.4805	6.73	0.00	1830000				



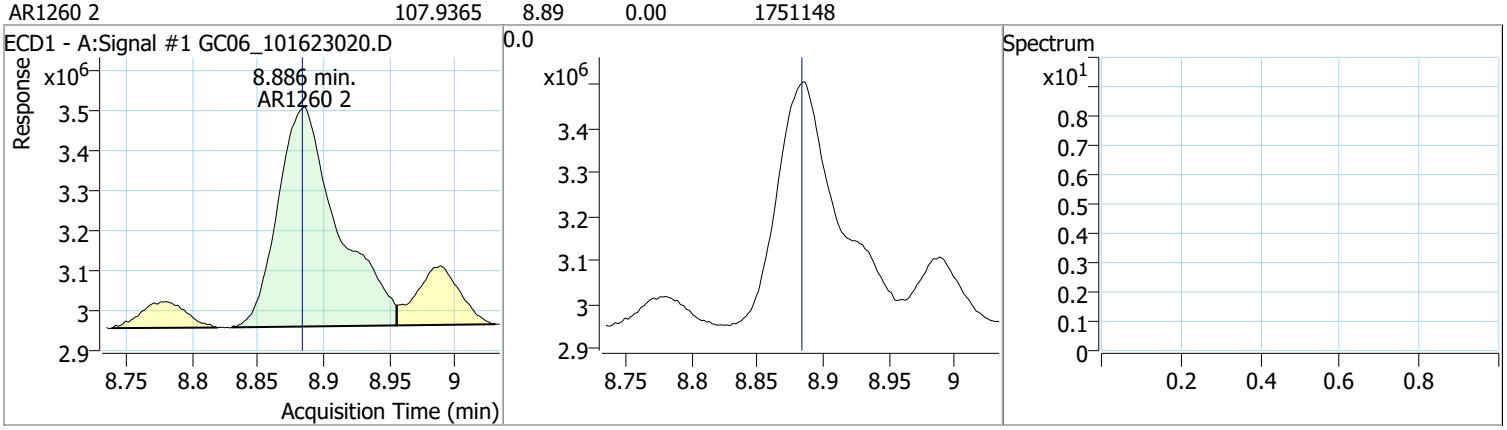
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	104.7081	7.37	0.00	1500780				



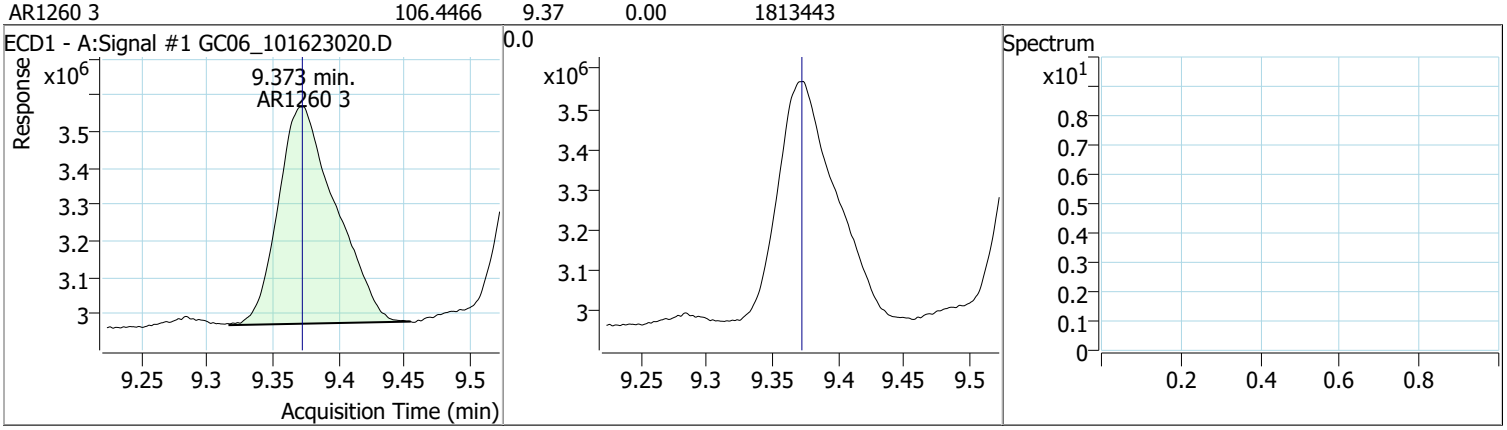
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	109.5521	8.36	0.00	1140625				



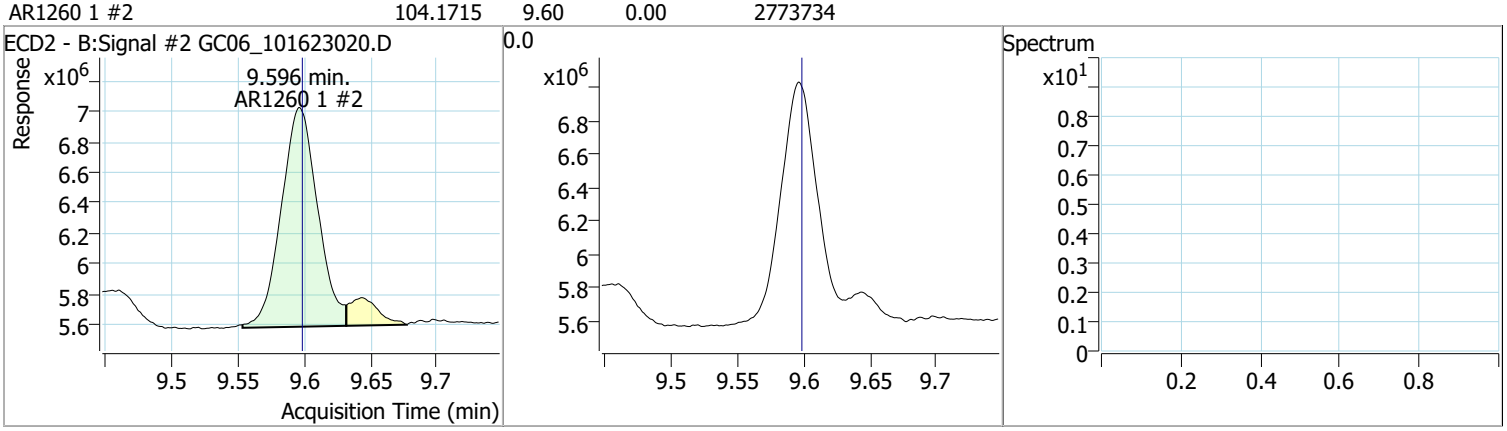
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	107.9365	8.89	0.00	1751148				



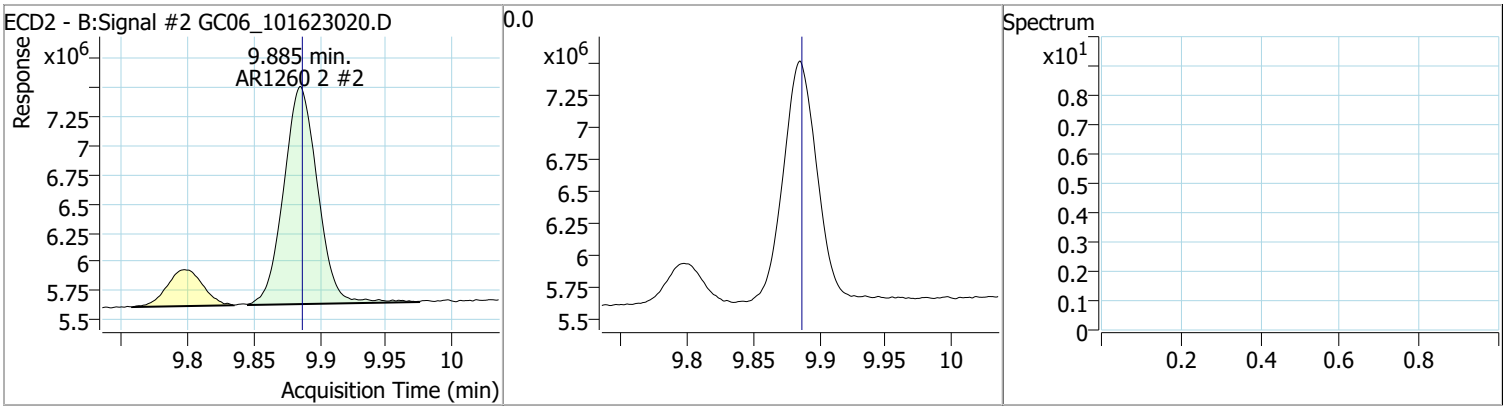
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	106.4466	9.37	0.00	1813443				



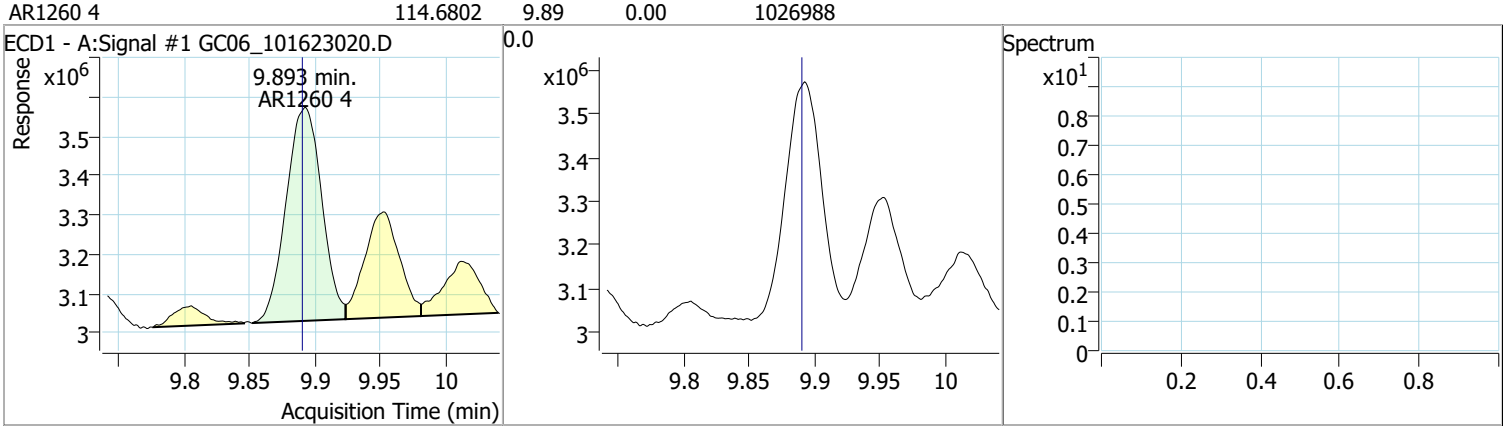
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	104.1715	9.60	0.00	2773734				



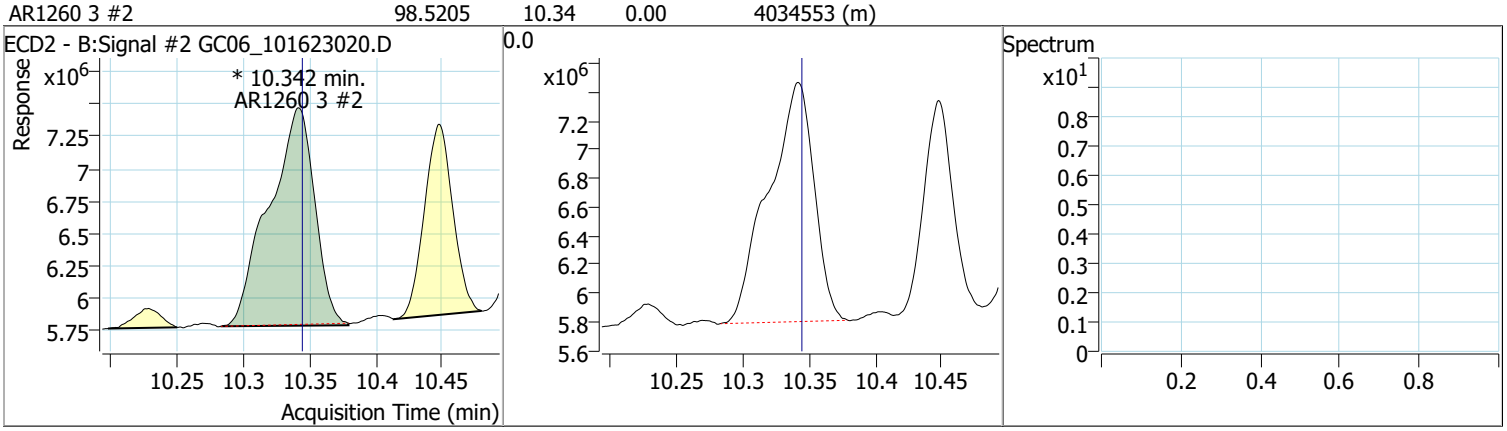
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	104.1111	9.89	0.00	3344572				



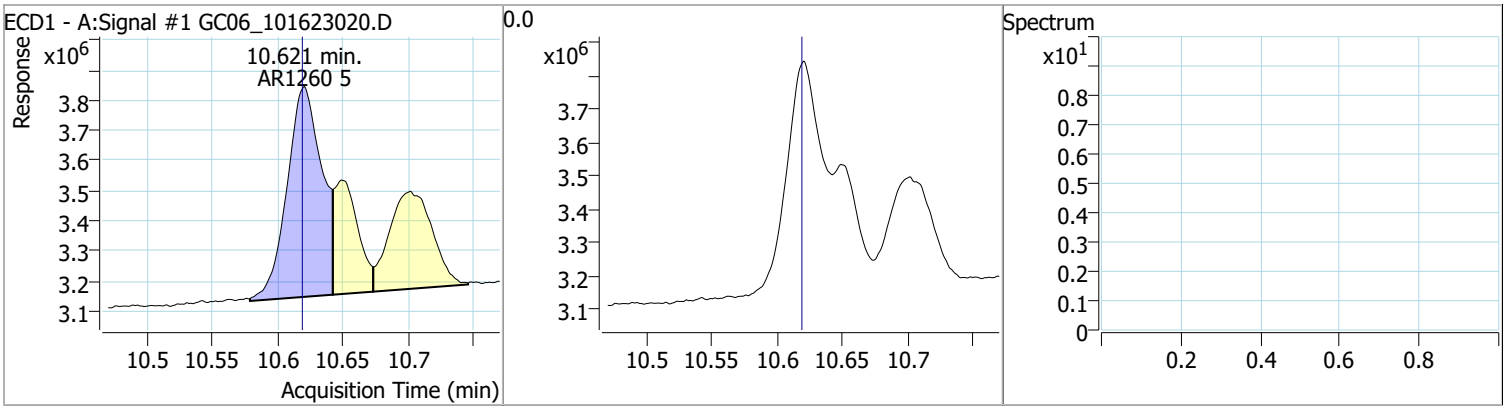
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	114.6802	9.89	0.00	1026988				



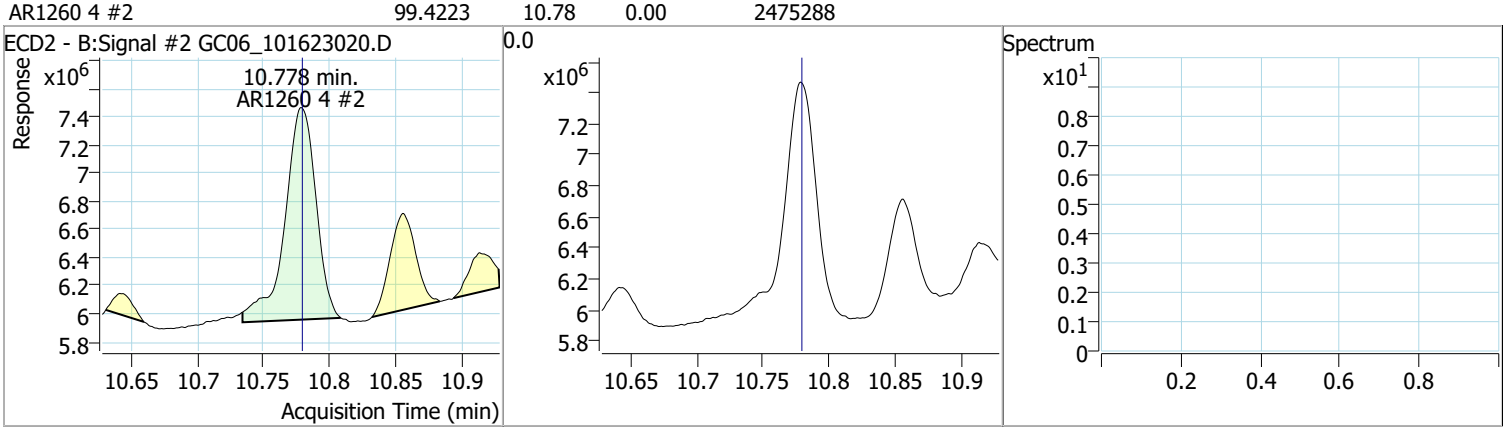
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	98.5205	10.34	0.00	4034553 (m)				



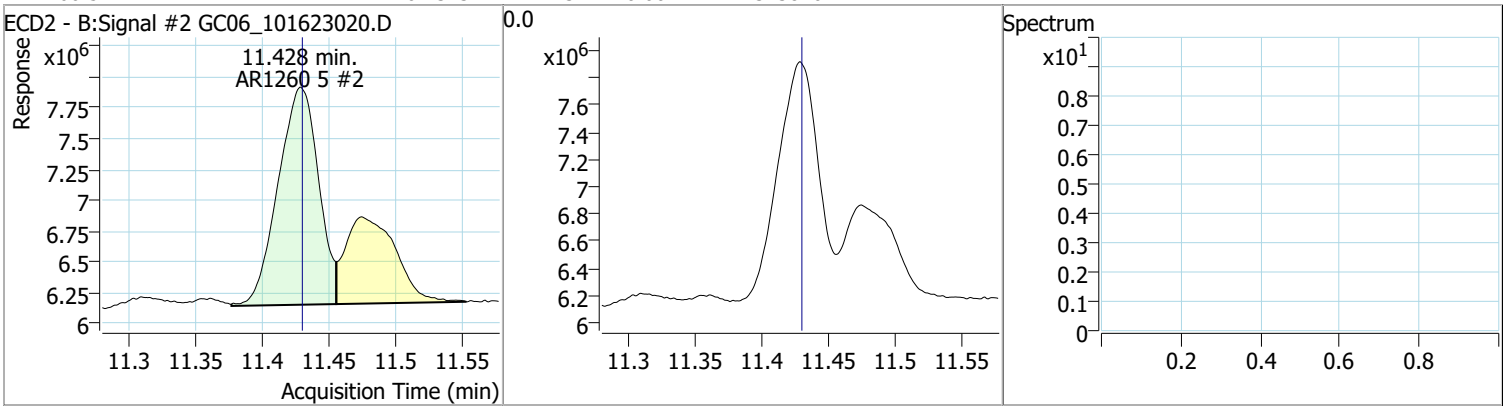
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	112.2803	10.62	0.00	1283055				



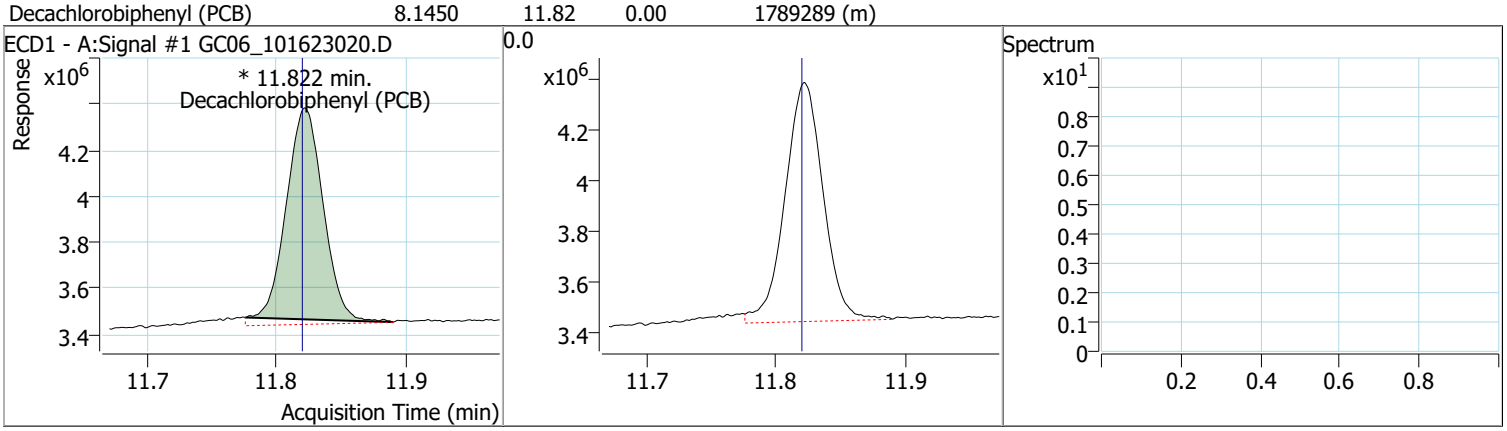
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	99.4223	10.78	0.00	2475288				



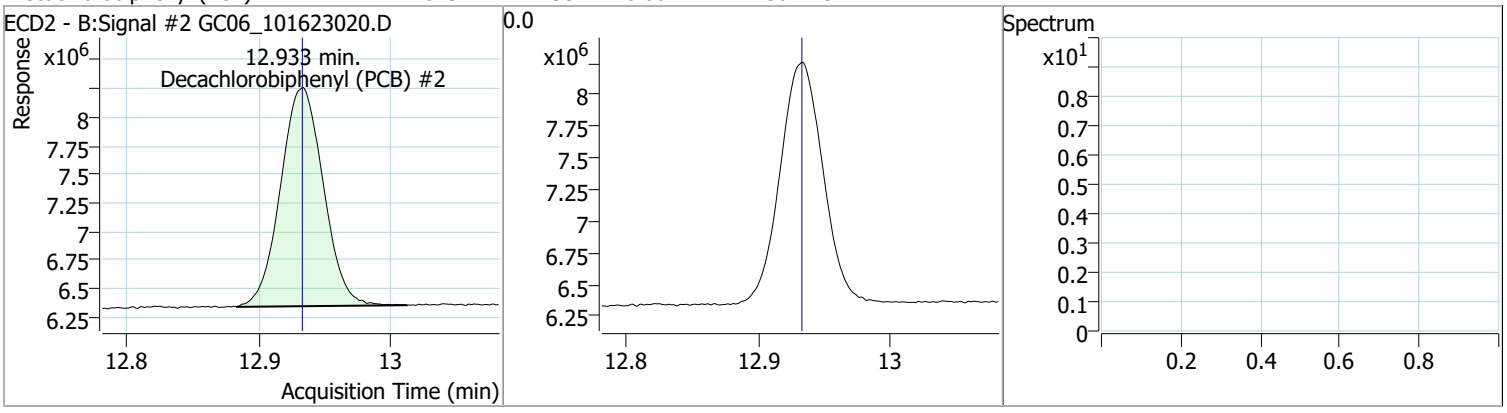
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	101.3234	11.43	0.00	3738704				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.1450	11.82	0.00	1789289 (m)				

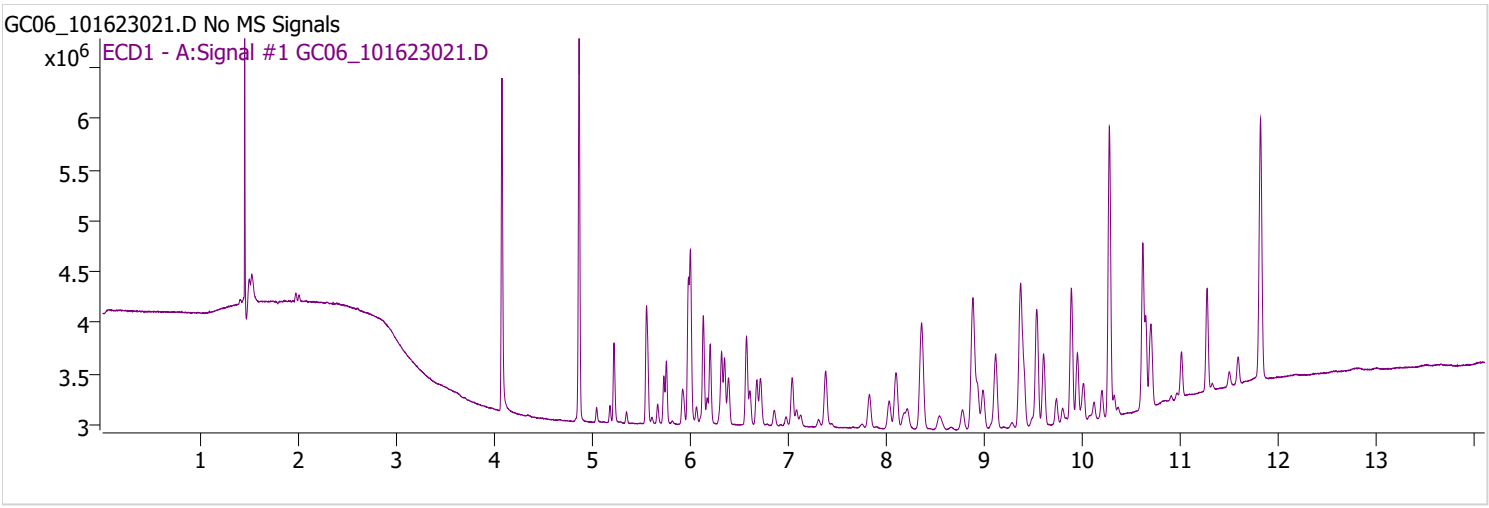


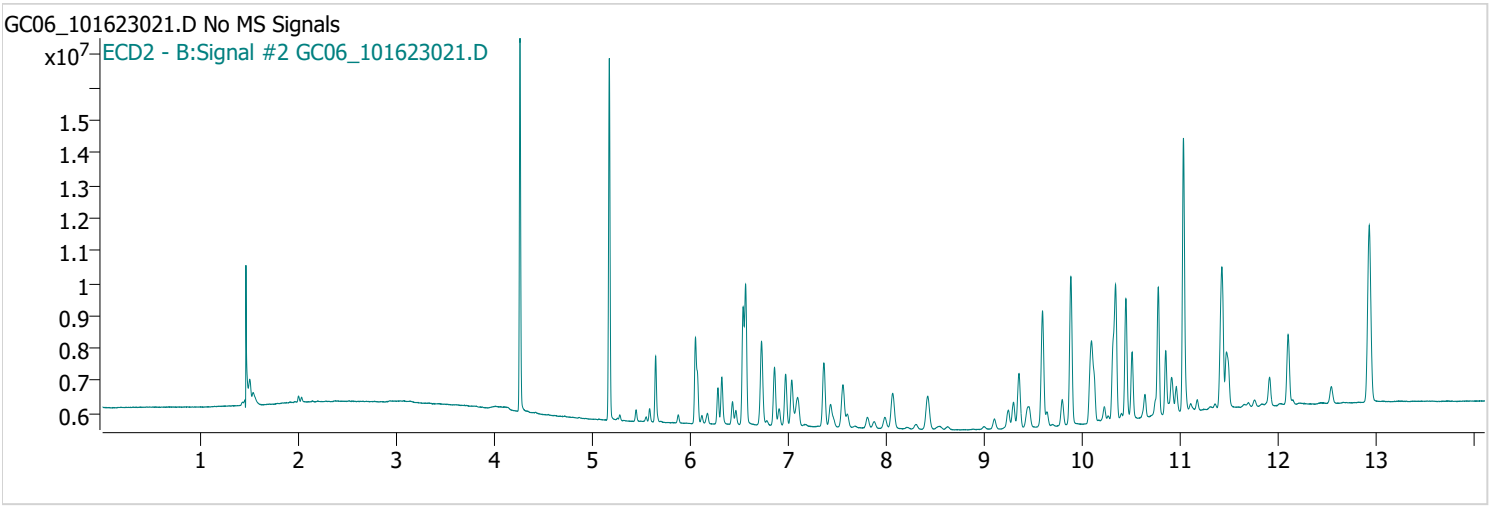
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	7.4523	12.93	0.00	4302279				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623021.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 3:21:14 PM
Sample Name	ICAL, S18458	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



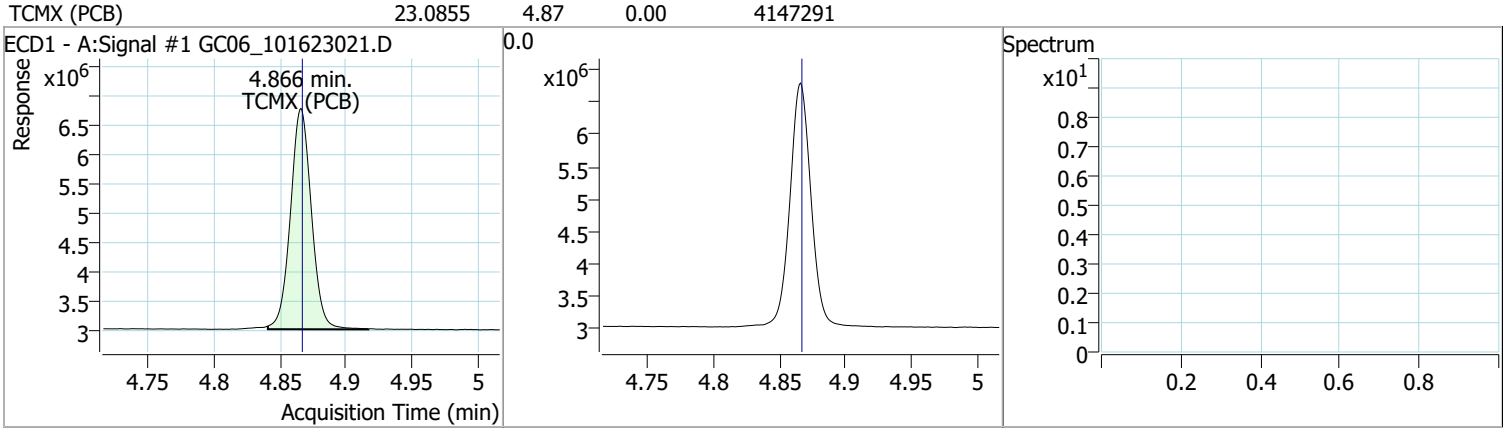


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3610729.796	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10490477.792	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.866	0.0	4147291.092	23.0855	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.43%		
S TCMX (PCB) #2	5.174	0.0	11599897.456	23.5234	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 117.62%		
S Decachlorobiphenyl (PCB)	11.823	0.0	5065639.785	21.9927	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 109.96%		
S Decachlorobiphenyl (PCB) #2	12.933	0.0	12584063.308	20.8975	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.49%		
Target Compounds						QValue

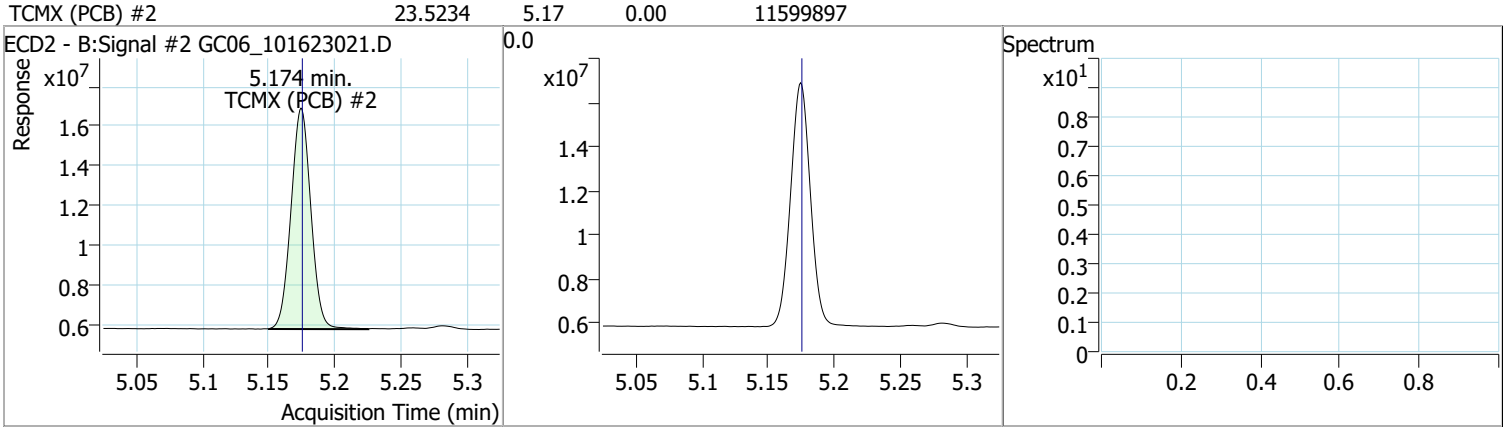
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.223	0.0	1018903.807	259.9958	ng/ml		100
T AR1016 2	5.555	0.0	1945375.527	247.3247	ng/ml		100
T AR1016 1 #2	5.648	0.0	2439490.236	251.4824	ng/ml		100
T AR1016 3	6.002	0.0	2523883.998	251.0189	ng/ml	m	100
T AR1016 2 #2	6.054	0.0	5166704.633	255.2213	ng/ml		100
T AR1016 4	6.134	0.0	1568907.786	249.0374	ng/ml		100
T AR1016 3 #2	6.566	0.0	6528718.183	242.3598	ng/ml		100
T AR1016 5	6.575	0.0	1439526.770	253.9240	ng/ml		100
T AR1016 4 #2	6.728	0.0	4686533.200	258.9741	ng/ml		100
T AR1016 5 #2	7.365	0.0	3722885.137	249.0155	ng/ml		100
T AR1260 1	8.363	0.0	2832476.092	259.4642	ng/ml		100
T AR1260 2	8.887	0.0	4232067.112	248.7892	ng/ml		100
T AR1260 3	9.374	0.0	4363451.694	244.2819	ng/ml		100
T AR1260 1 #2	9.598	0.0	6898073.658	248.3678	ng/ml		100
T AR1260 2 #2	9.887	0.0	8276721.298	247.0008	ng/ml		100
T AR1260 4	9.891	0.0	2493299.224	265.5405	ng/ml		100
T AR1260 3 #2	10.343	0.0	10272735.551	240.4920	ng/ml		100
T AR1260 5	10.622	0.0	2921215.317	243.8121	ng/ml		100
T AR1260 4 #2	10.779	0.0	6486959.032	249.7943	ng/ml		100
T AR1260 5 #2	11.428	0.0	9533291.051	247.6937	ng/ml		100

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

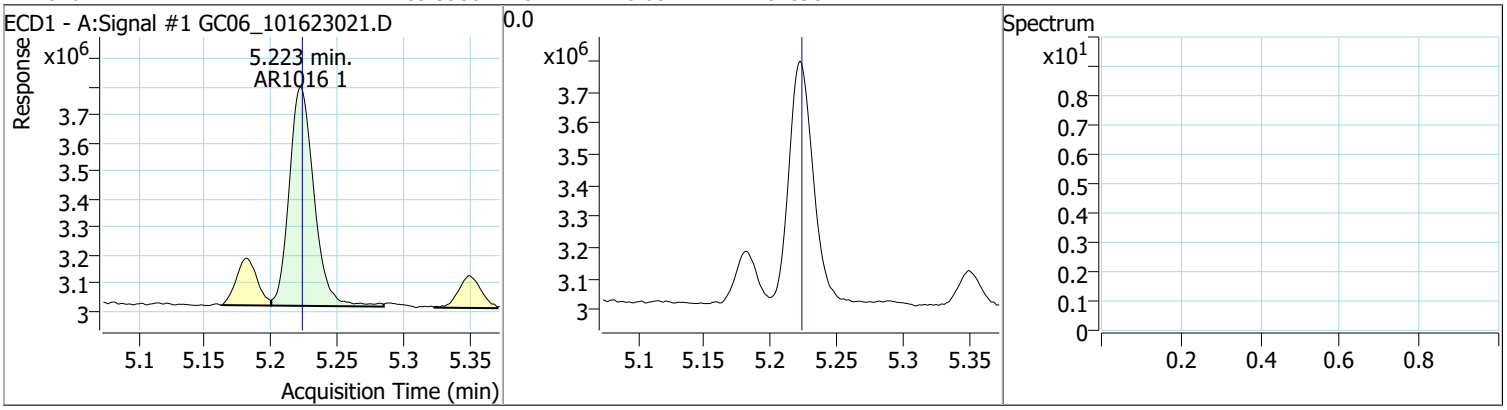
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	23.0855	4.87	0.00	4147291				



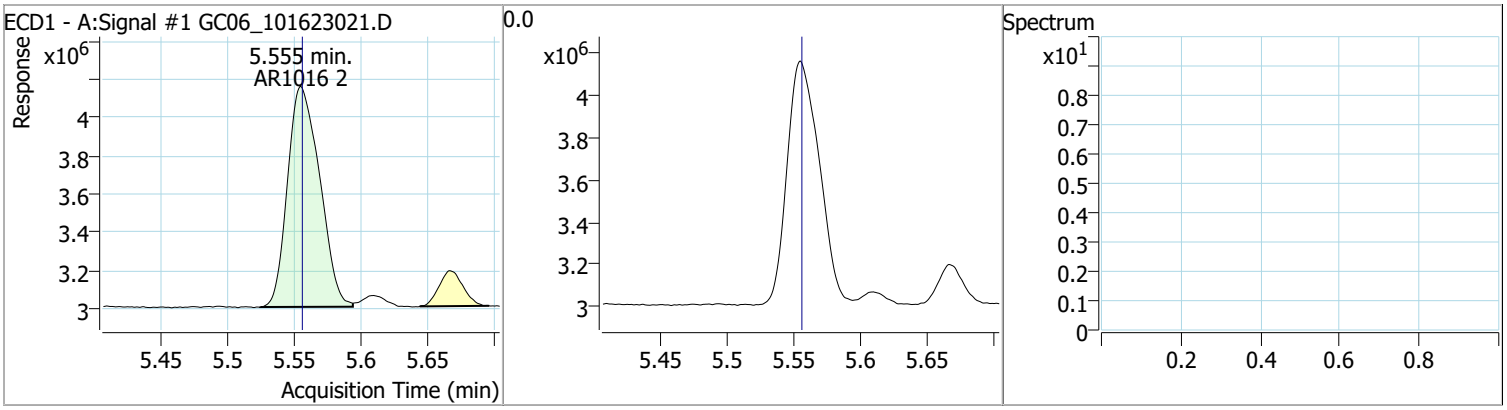
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	23.5234	5.17	0.00	11599897				



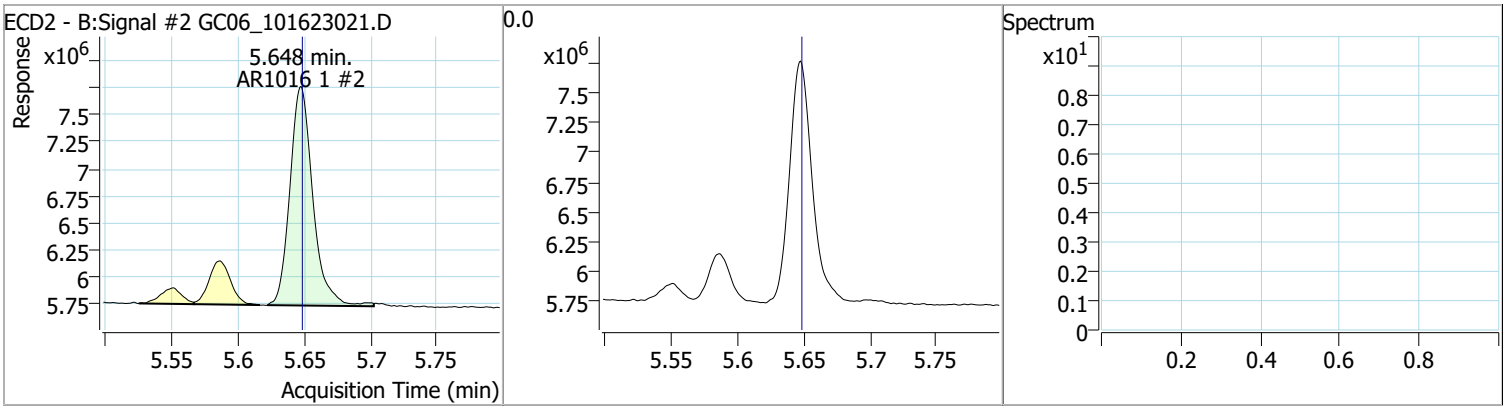
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	259.9958	5.22	0.00	1018904				



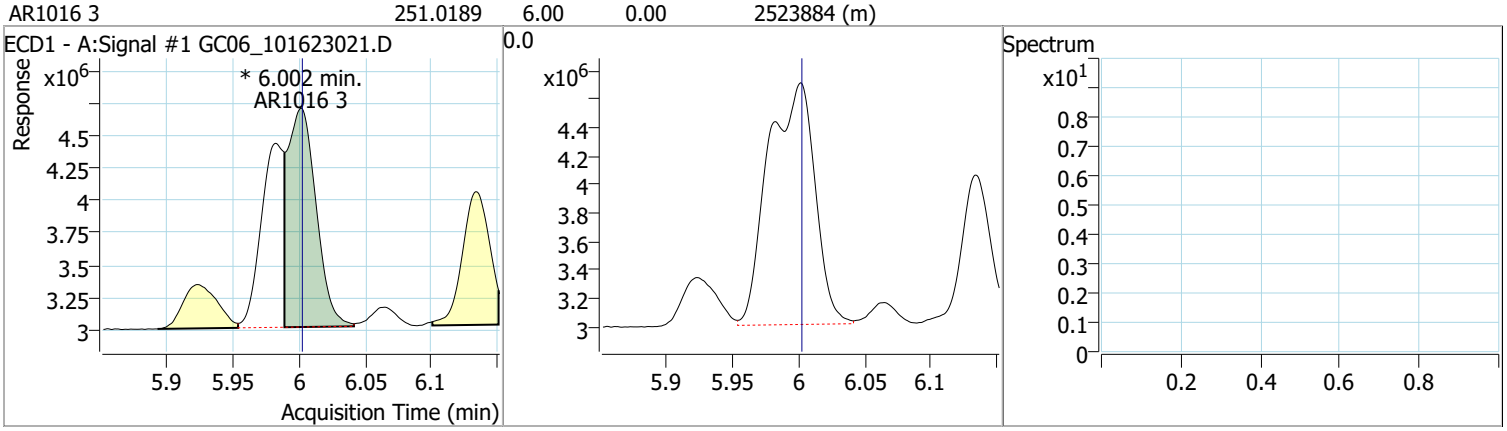
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	247.3247	5.56	0.00	1945376				



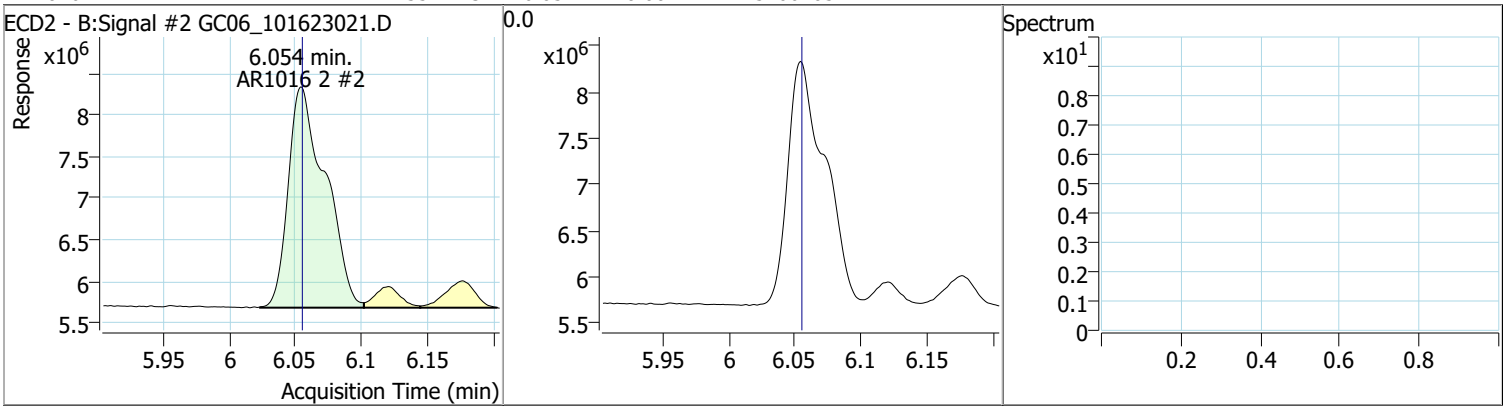
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	251.4824	5.65	0.00	2439490				



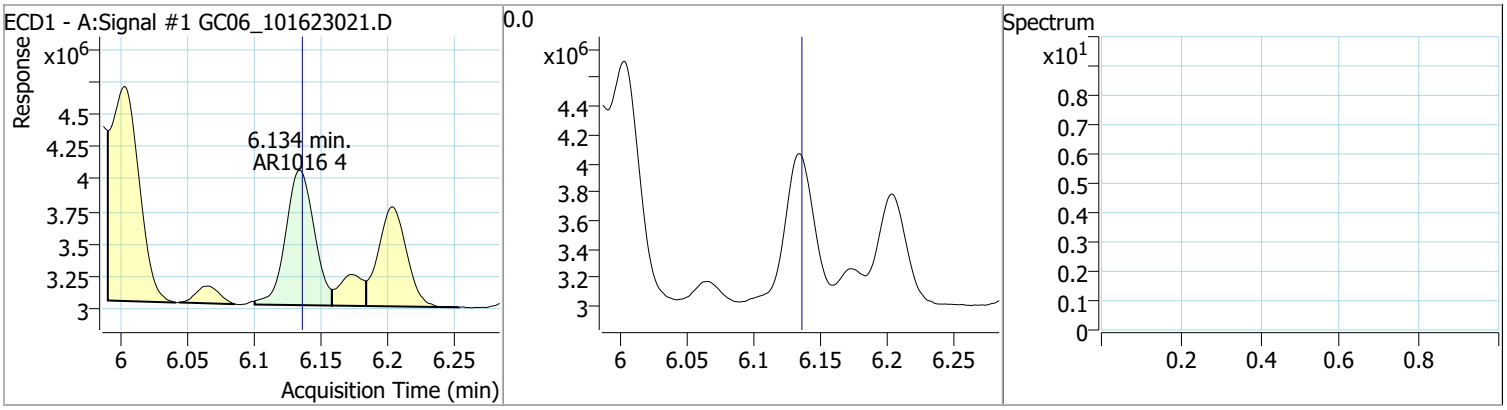
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	251.0189	6.00	0.00	2523884 (m)				



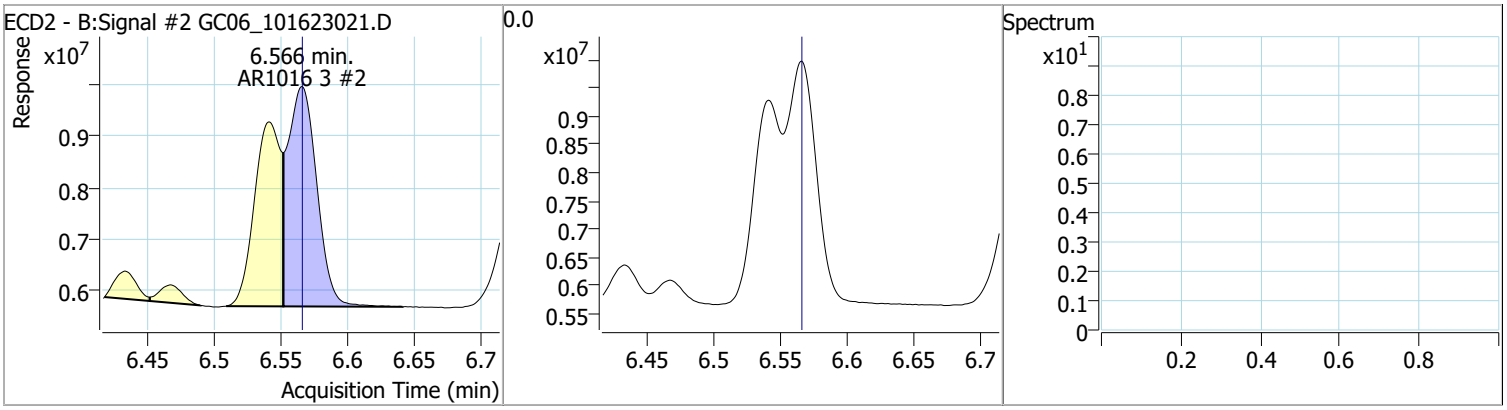
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	255.2213	6.05	0.00	5166705				



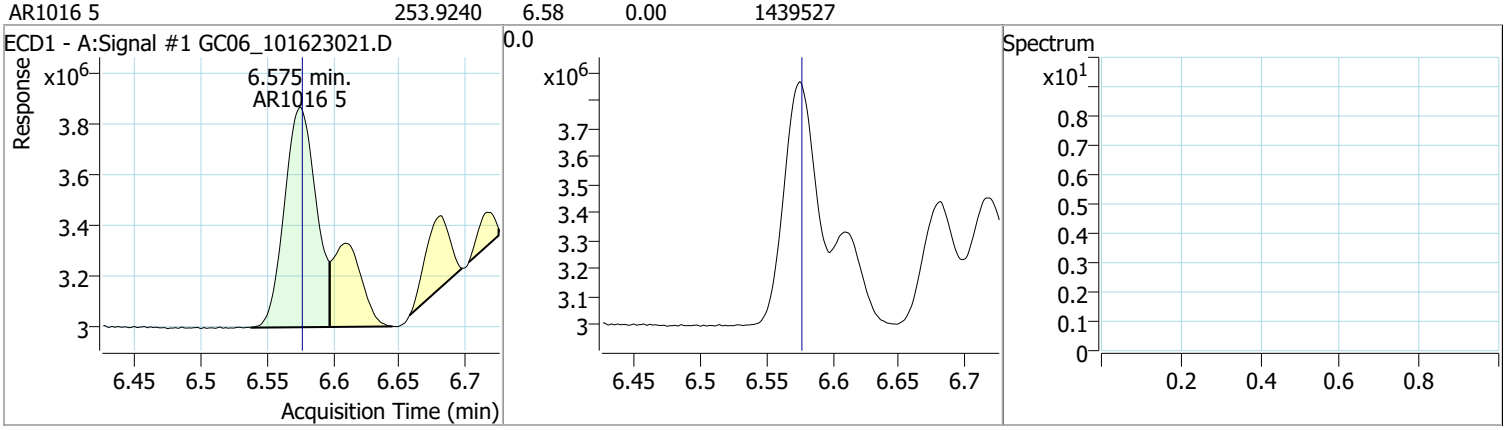
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	249.0374	6.13	0.00	1568908				



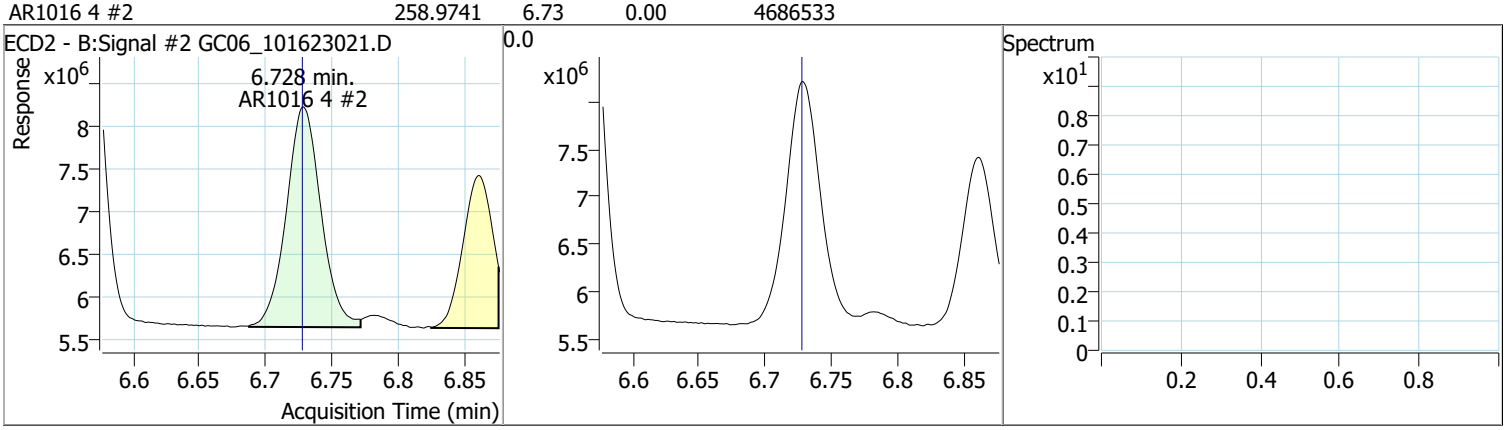
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	242.3598	6.57	0.00	6528718				



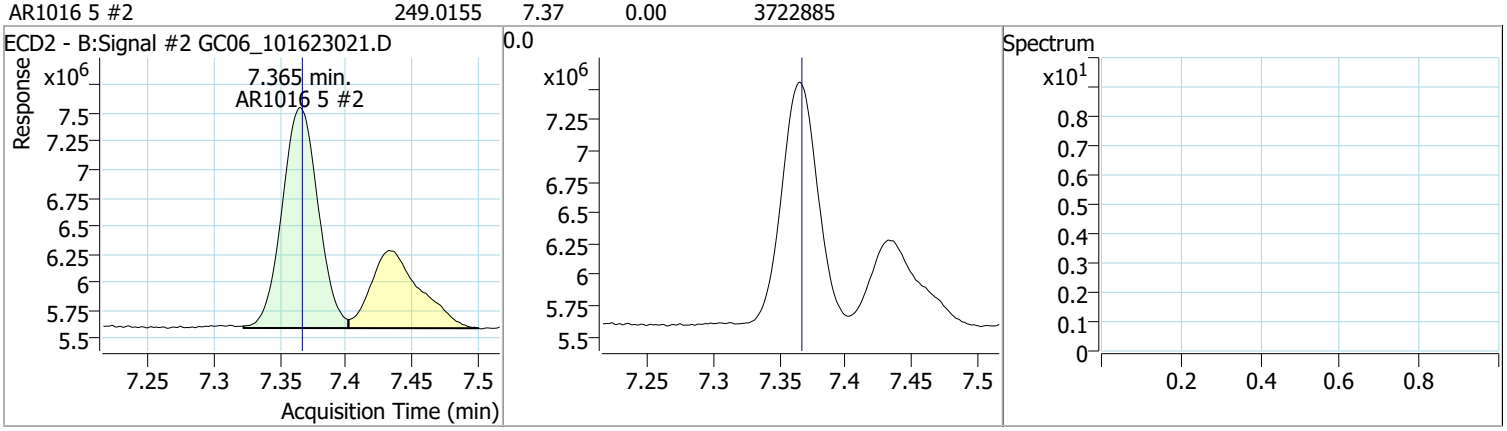
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	253.9240	6.58	0.00	1439527				



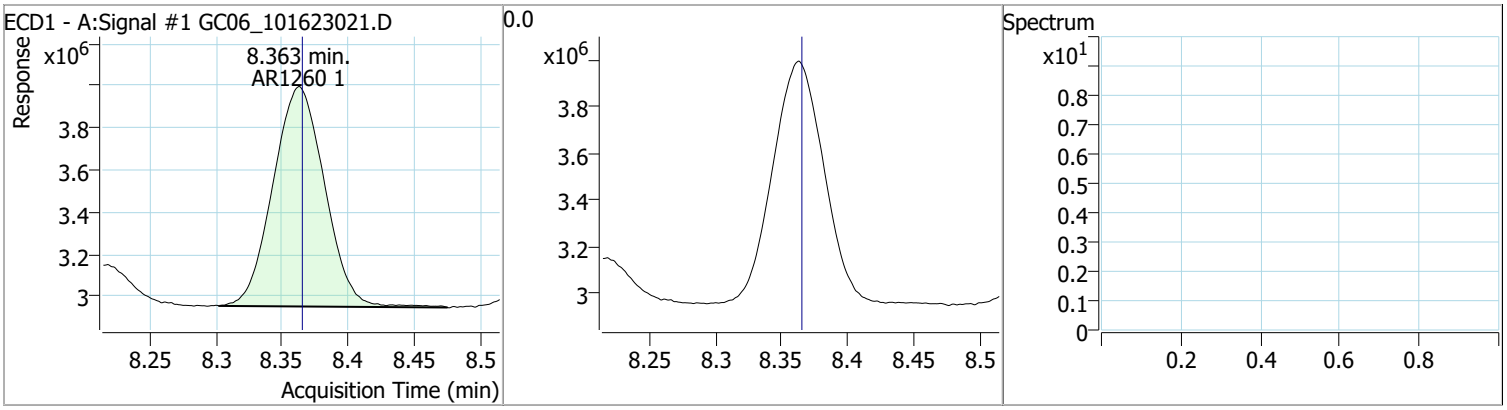
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	258.9741	6.73	0.00	4686533				



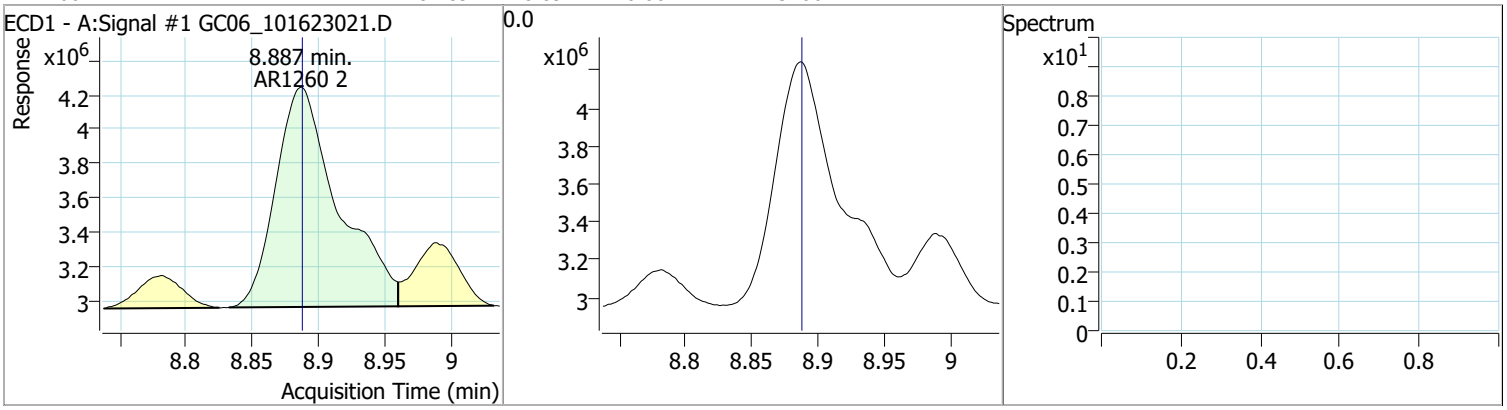
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	249.0155	7.37	0.00	3722885				



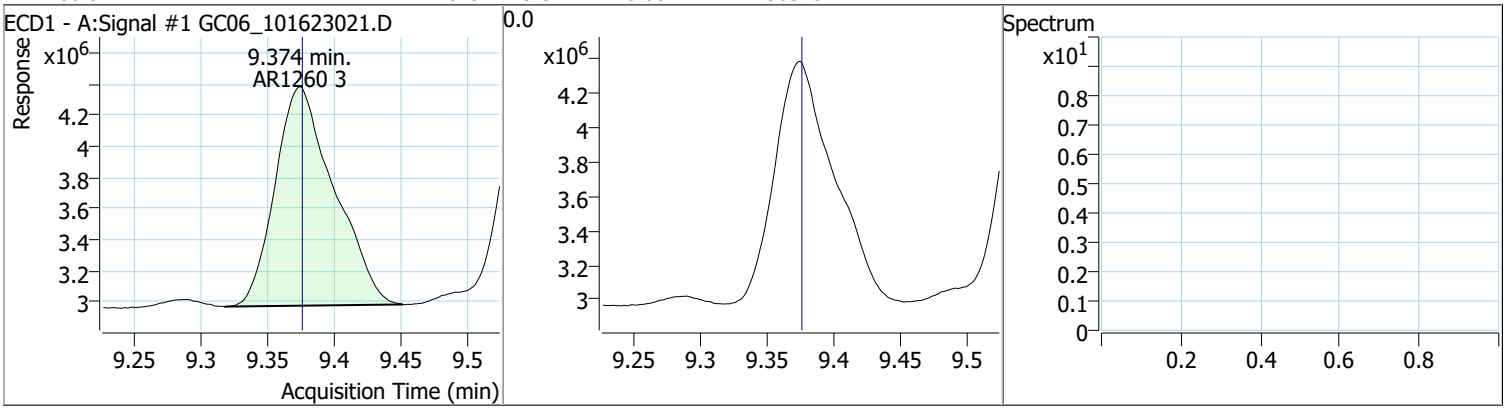
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	259.4642	8.36	0.00	2832476				



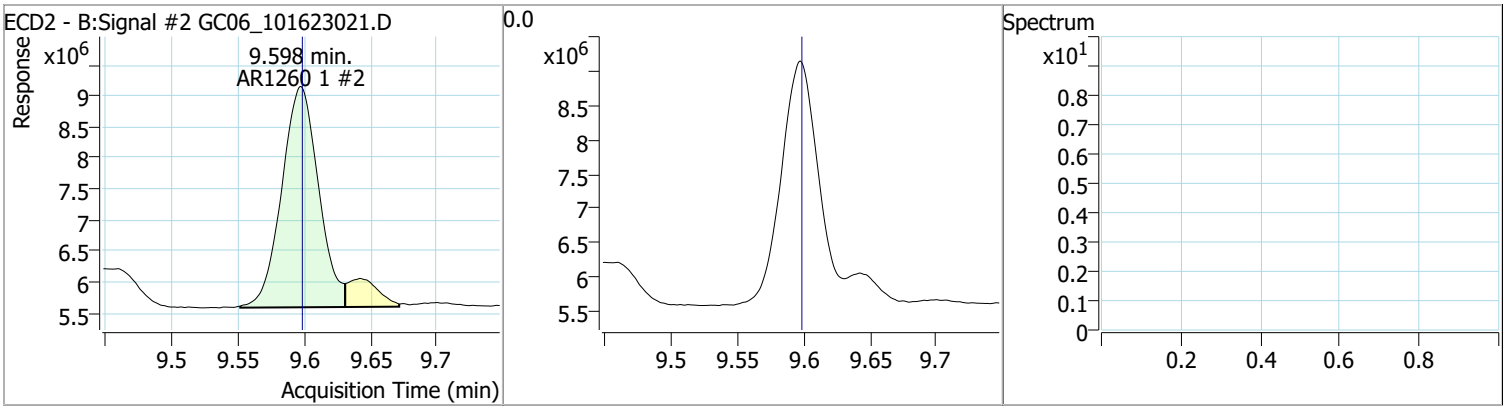
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	248.7892	8.89	0.00	4232067				



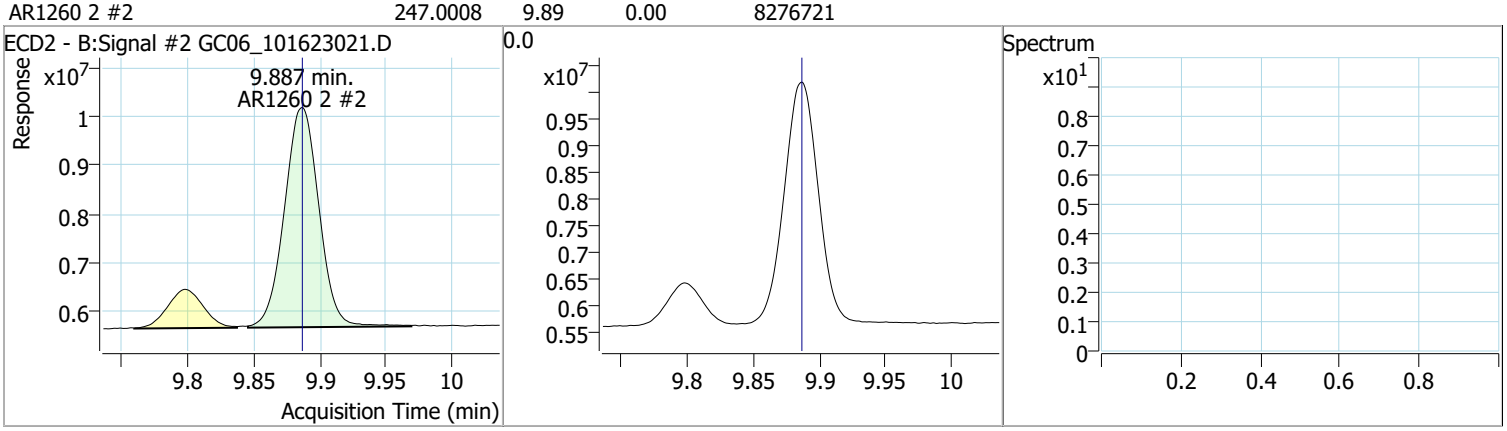
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	244.2819	9.37	0.00	4363452				



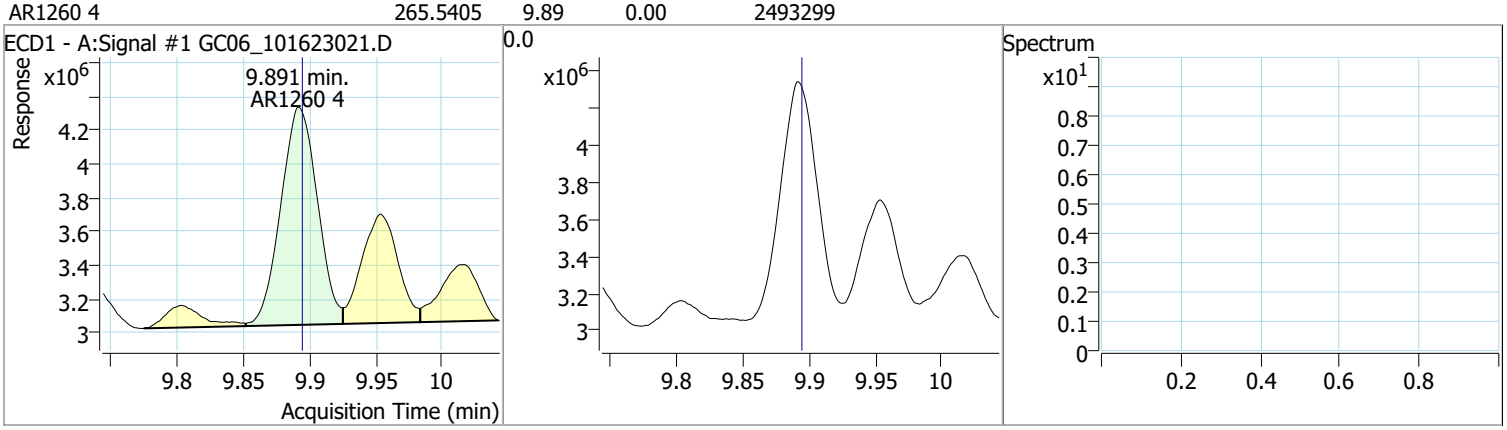
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	248.3678	9.60	0.00	6898074				



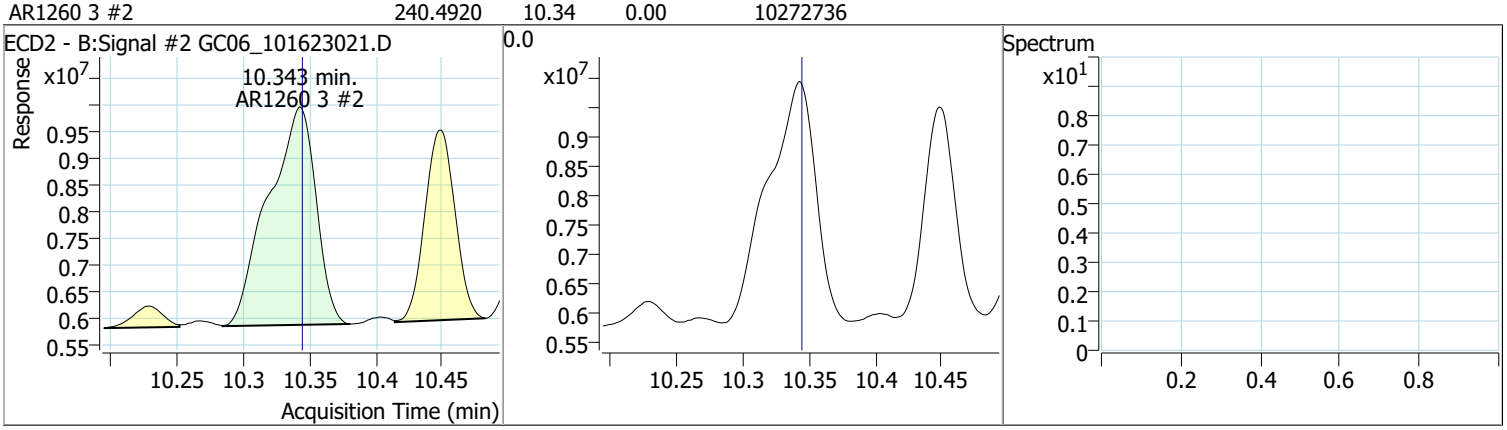
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	247.0008	9.89	0.00	8276721				



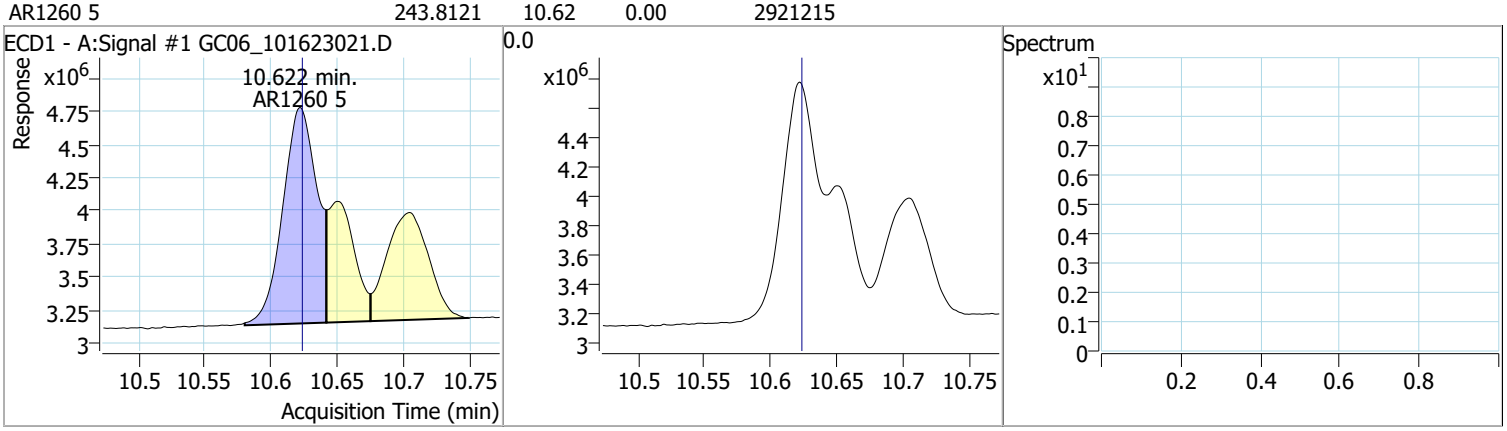
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	265.5405	9.89	0.00	2493299				



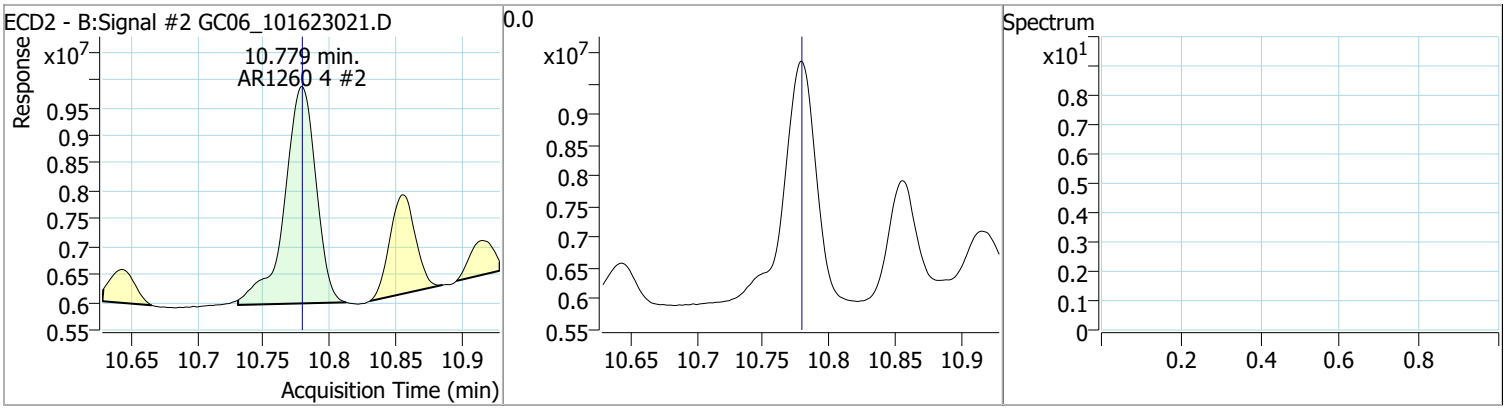
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	240.4920	10.34	0.00	10272736				



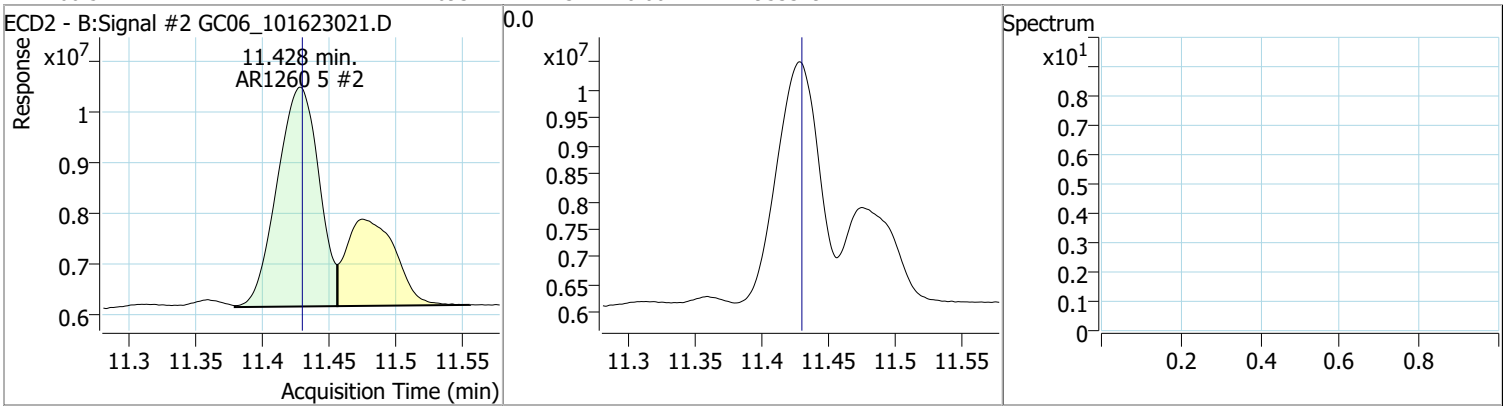
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	243.8121	10.62	0.00	2921215				



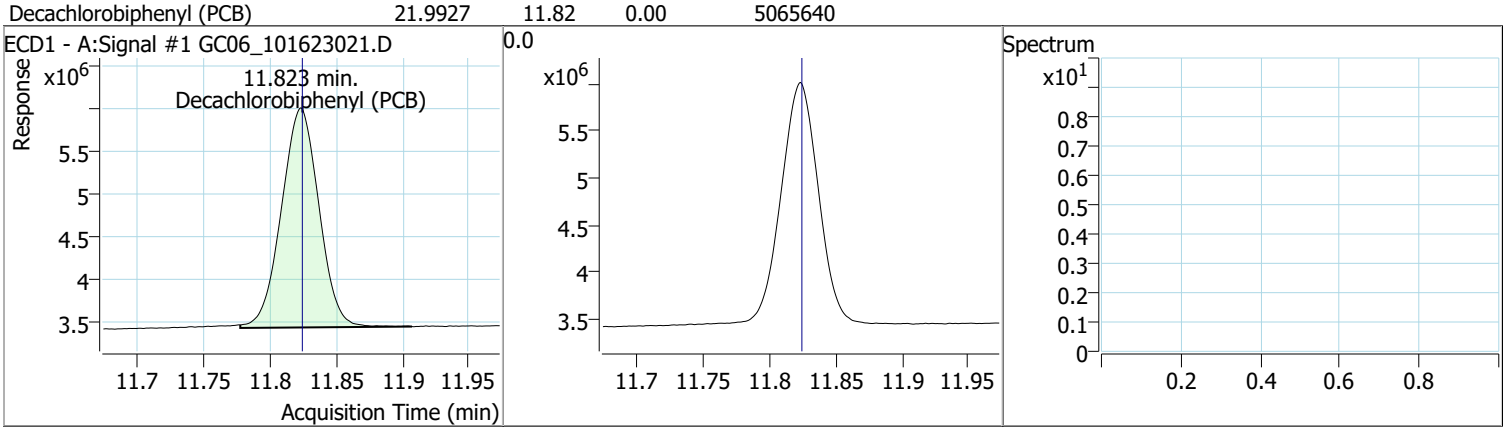
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	249.7943	10.78	0.00	6486959				



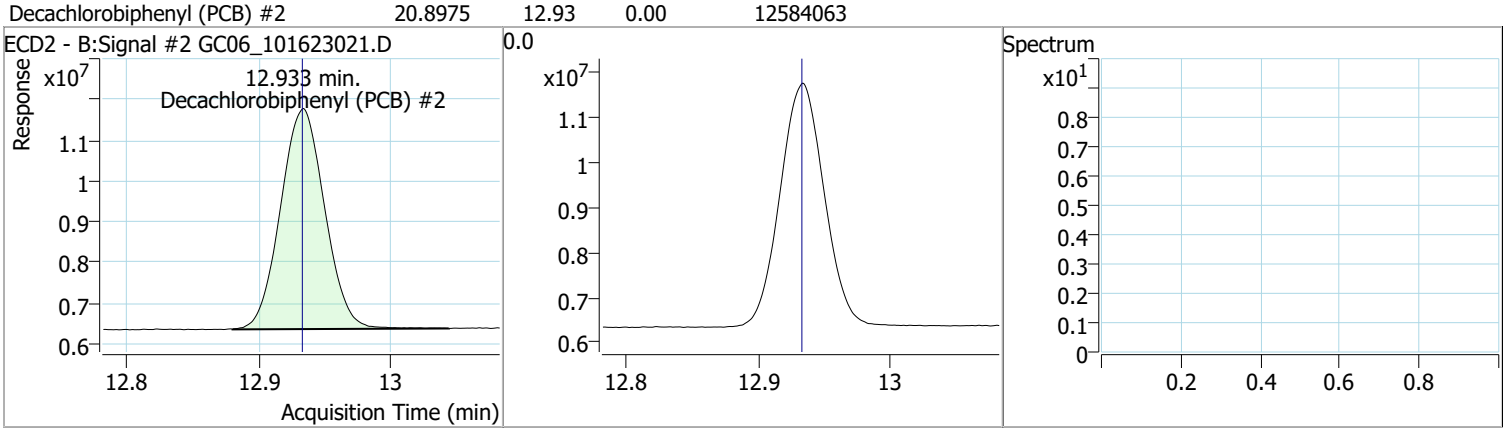
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	247.6937	11.43	0.00	9533291				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	21.9927	11.82	0.00	5065640				

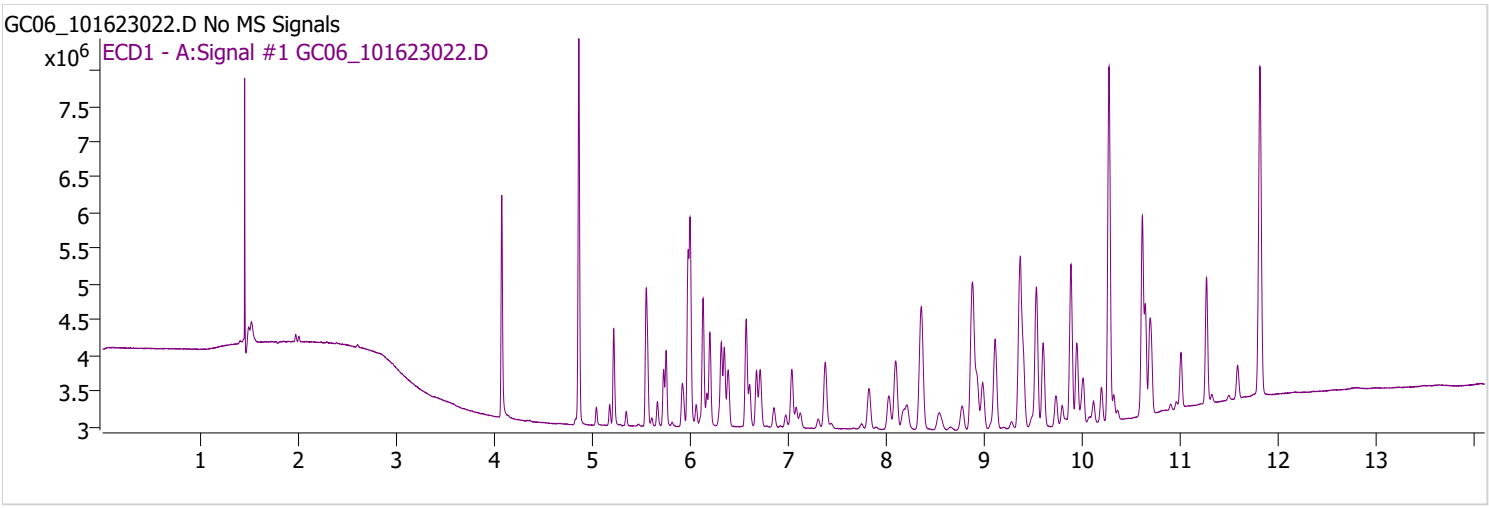


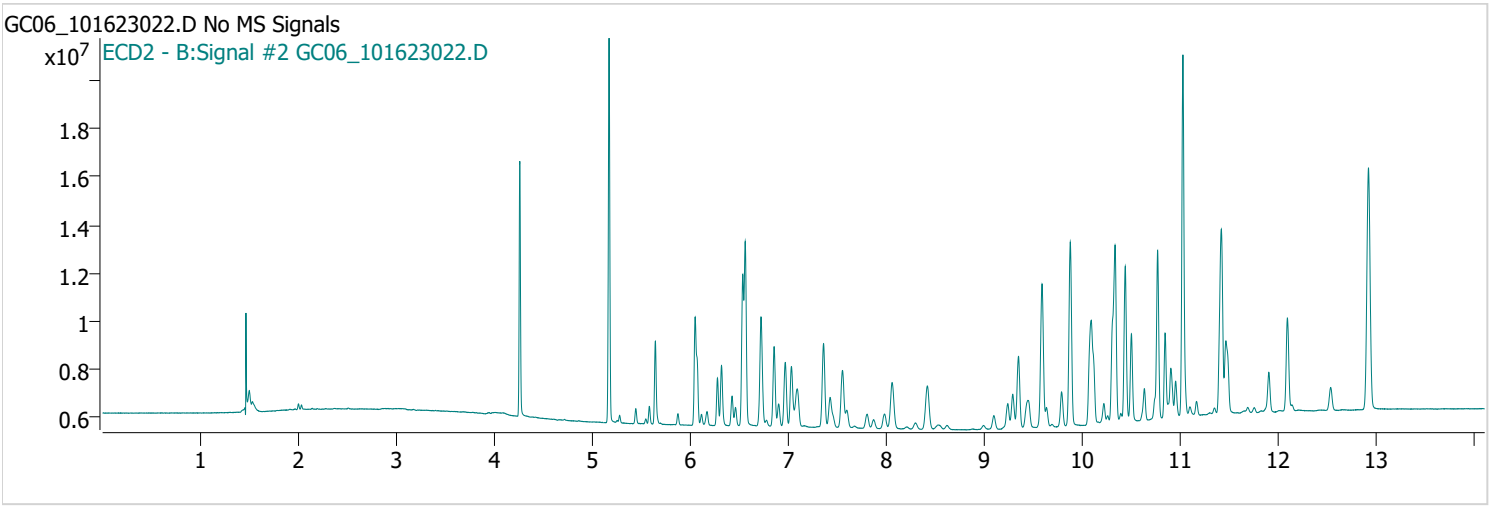
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.8975	12.93	0.00	12584063				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623022.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 3:41:20 PM
Sample Name	ICAL, S18459	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



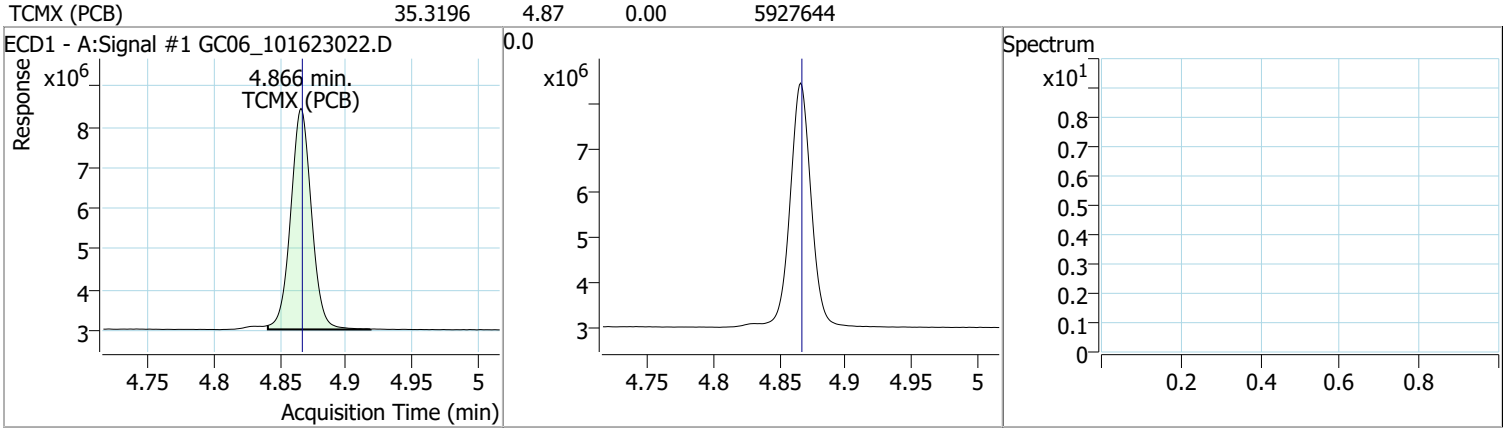


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3373162.493	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	9766720.453	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.866	0.0	5927644.420	35.3196	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.60%		*	
S TCMX (PCB) #2	5.174	0.0	16680790.736	36.3337	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.67%		*	
S Decachlorobiphenyl (PCB)	11.823	0.0	9149486.735	42.5206	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.60%		*	
S Decachlorobiphenyl (PCB) #2	12.932	0.0	23267005.402	41.5013	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.51%		*	
Target Compounds							QValue

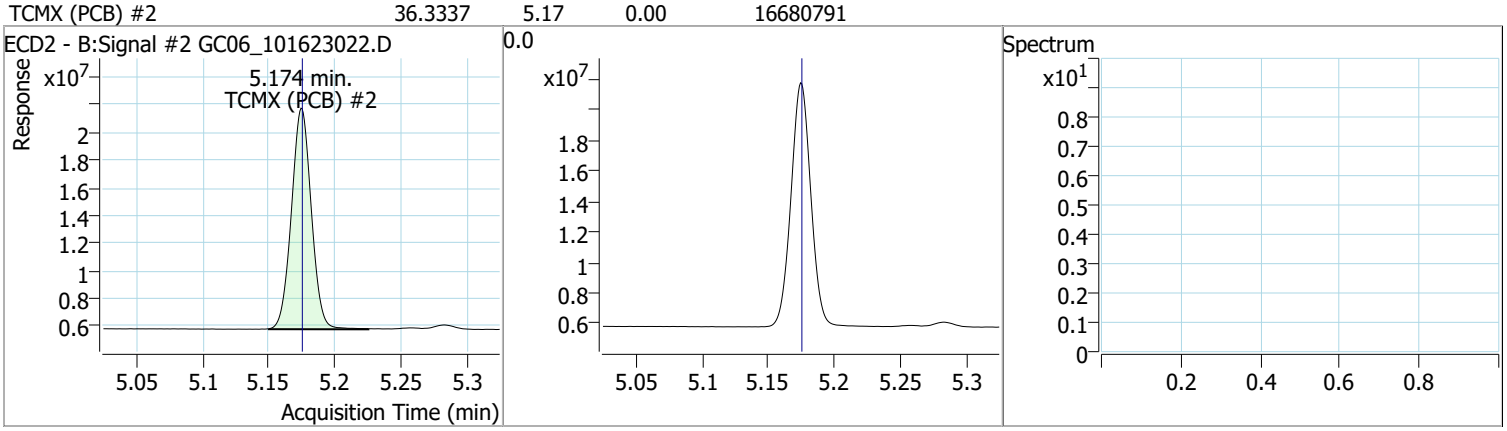
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.223	0.0	1774890.456	484.7998	ng/ml		100
T AR1016 2	5.555	0.0	3345121.641	455.2330	ng/ml		100
T AR1016 1 #2	5.648	0.0	4333688.235	479.8579	ng/ml		100
T AR1016 3	6.002	0.0	4348131.640	462.9109	ng/ml	m	100
T AR1016 2 #2	6.054	0.0	9052592.195	480.3112	ng/ml		100
T AR1016 4	6.135	0.0	2703341.310	459.3311	ng/ml		100
T AR1016 3 #2	6.565	0.0	11549920.345	460.5302	ng/ml		100
T AR1016 5	6.576	0.0	2485835.594	469.3687	ng/ml	m	100
T AR1016 4 #2	6.727	0.0	8201219.610	486.7765	ng/ml		100
T AR1016 5 #2	7.366	0.0	6598788.278	474.0863	ng/ml		100
T AR1260 1	8.364	0.0	4772604.331	467.9769	ng/ml		100
T AR1260 2	8.887	0.0	7226951.744	454.7700	ng/ml		100
T AR1260 3	9.375	0.0	7448722.800	446.3758	ng/ml		100
T AR1260 1 #2	9.598	0.0	12058804.976	466.3568	ng/ml		100
T AR1260 2 #2	9.886	0.0	14328336.760	459.2850	ng/ml		100
T AR1260 4	9.893	0.0	4228122.158	482.0162	ng/ml		100
T AR1260 3 #2	10.343	0.0	18338426.266	461.1298	ng/ml	m	100
T AR1260 5	10.623	0.0	4918024.093	439.3797	ng/ml		100
T AR1260 4 #2	10.778	0.0	11405187.772	471.7265	ng/ml		100
T AR1260 5 #2	11.429	0.0	16839266.029	469.9393	ng/ml		100

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

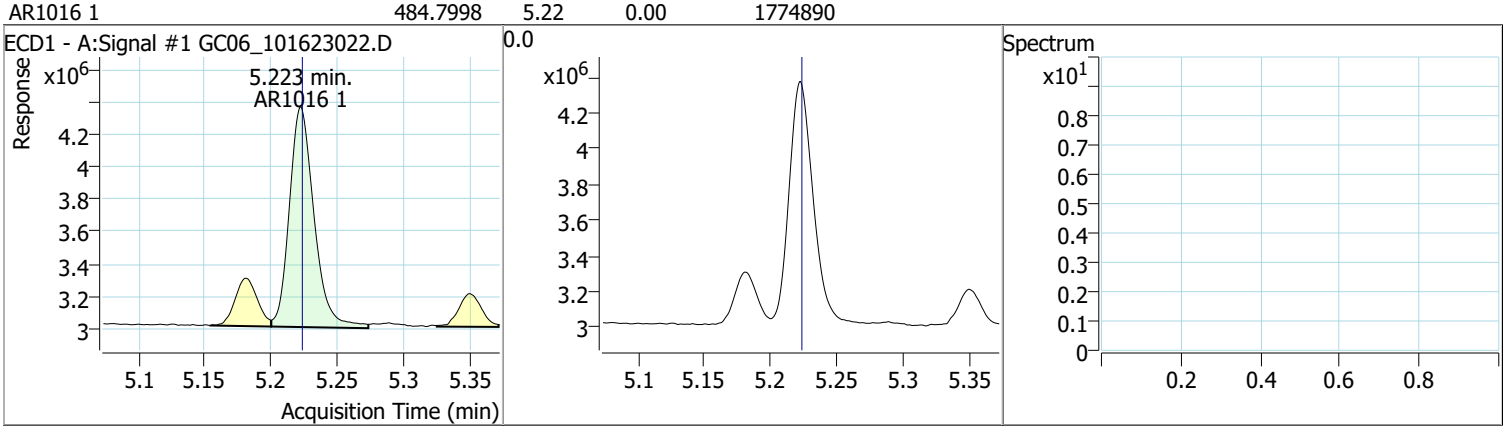
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.3196	4.87	0.00	5927644				



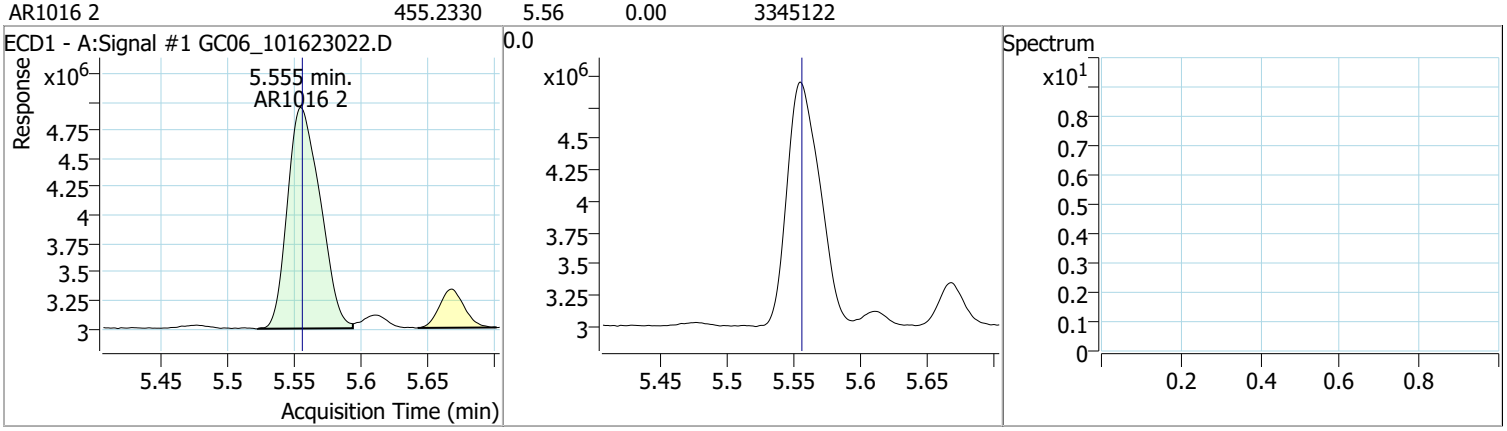
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.3337	5.17	0.00	16680791				



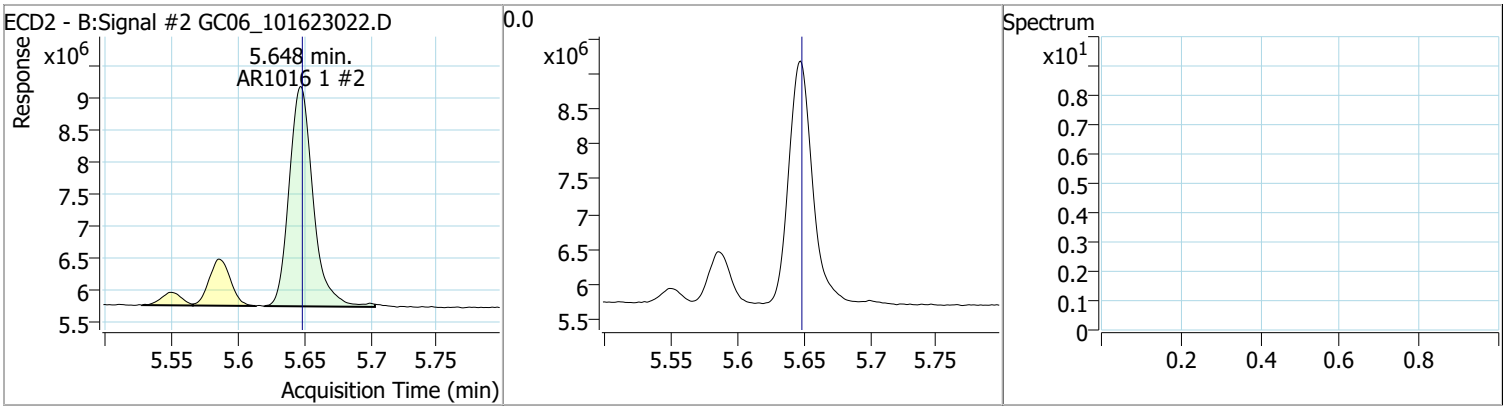
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	484.7998	5.22	0.00	1774890				



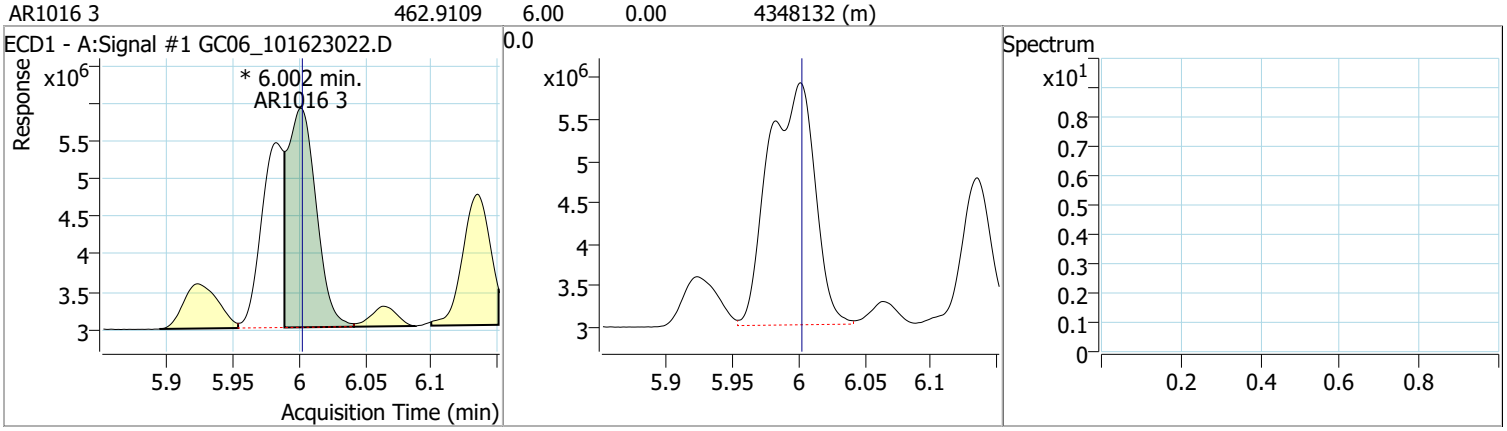
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	455.2330	5.56	0.00	3345122				



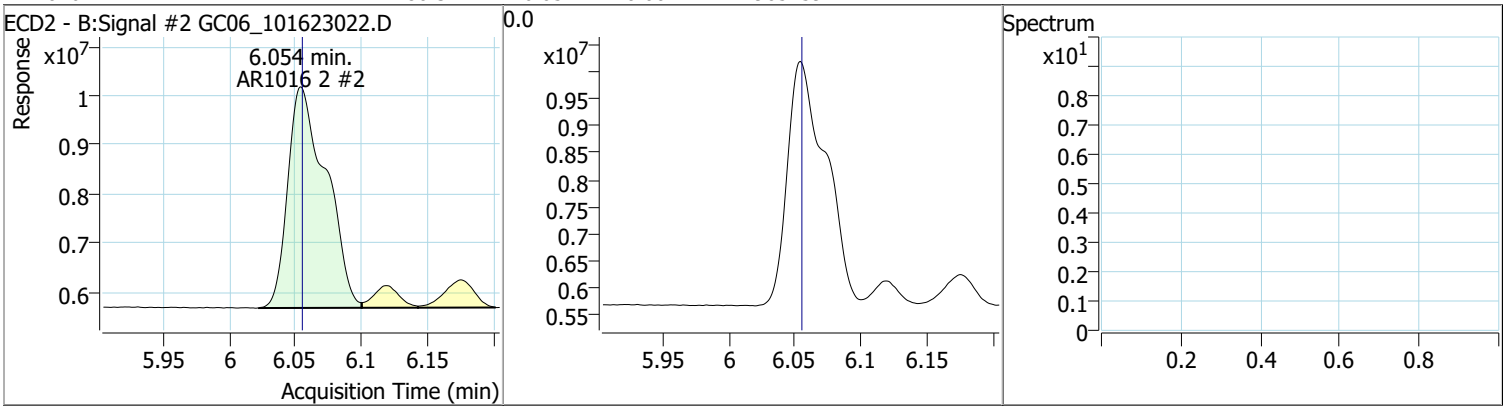
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	479.8579	5.65	0.00	4333688				



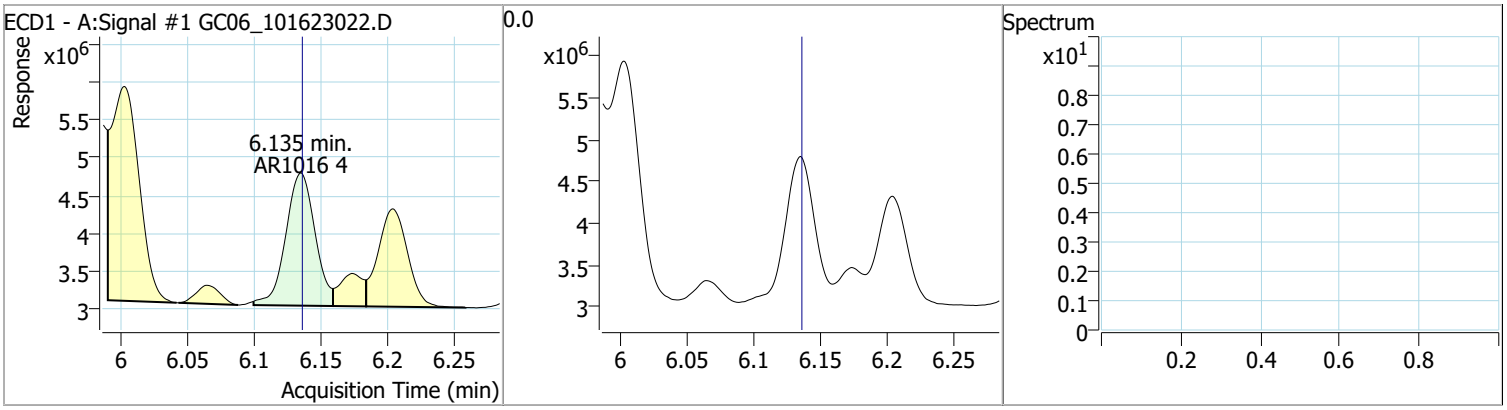
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	462.9109	6.00	0.00	4348132 (m)				



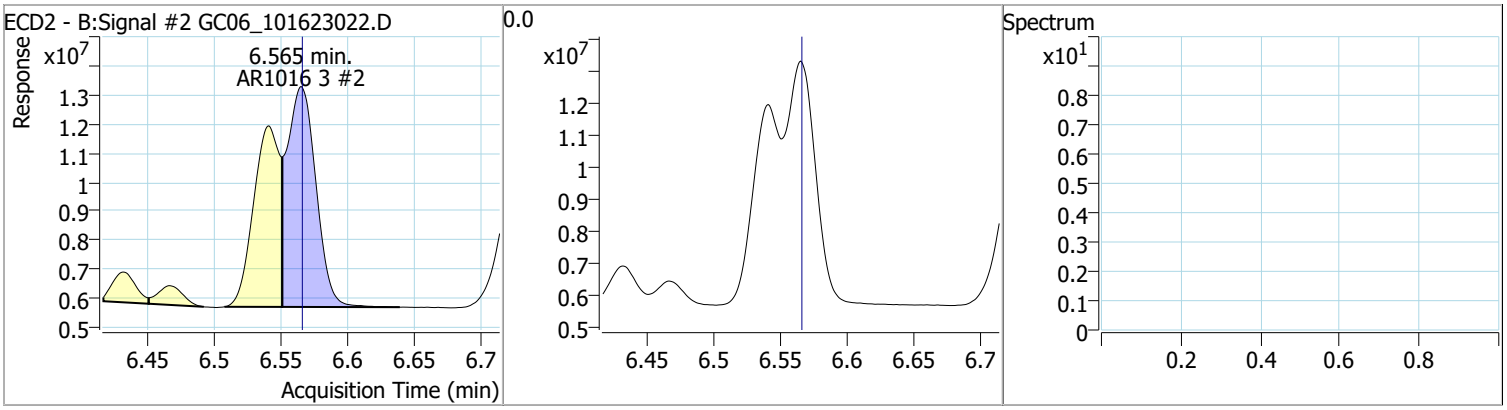
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	480.3112	6.05	0.00	9052592				



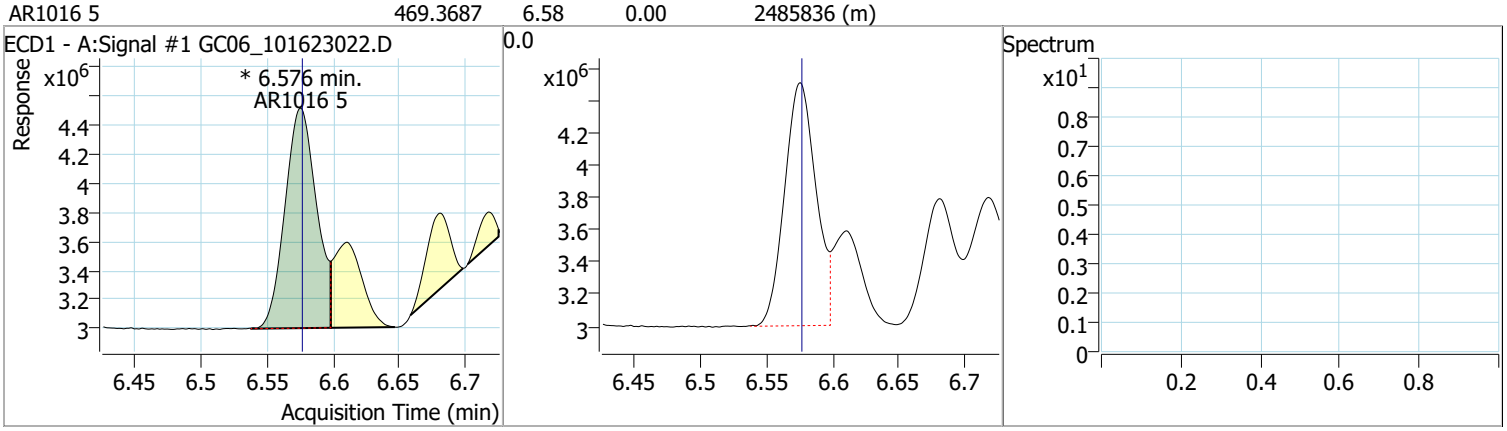
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	459.3311	6.14	0.00	2703341				



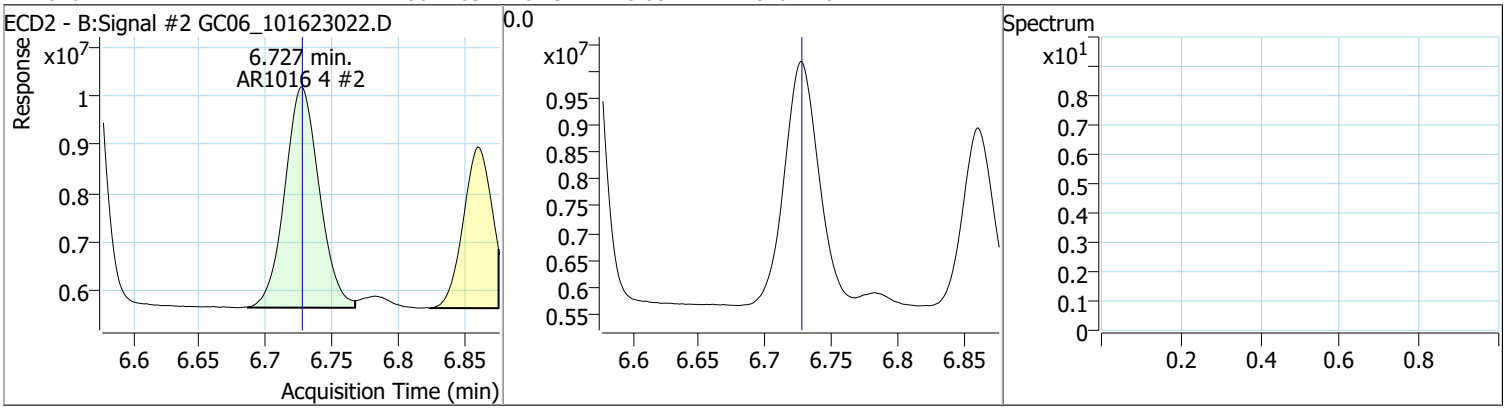
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	460.5302	6.57	0.00	11549920				



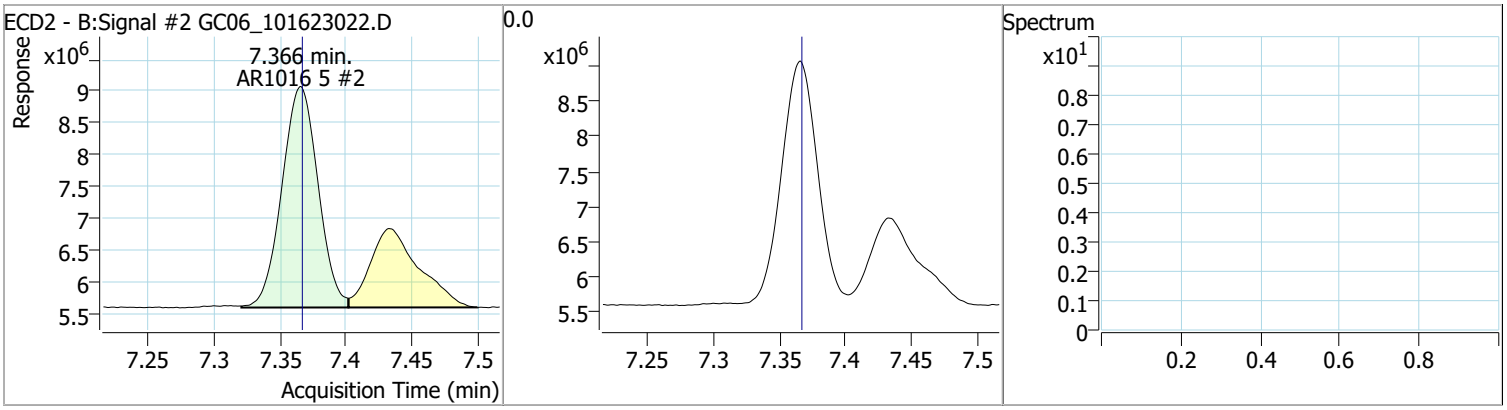
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	469.3687	6.58	0.00	2485836 (m)				



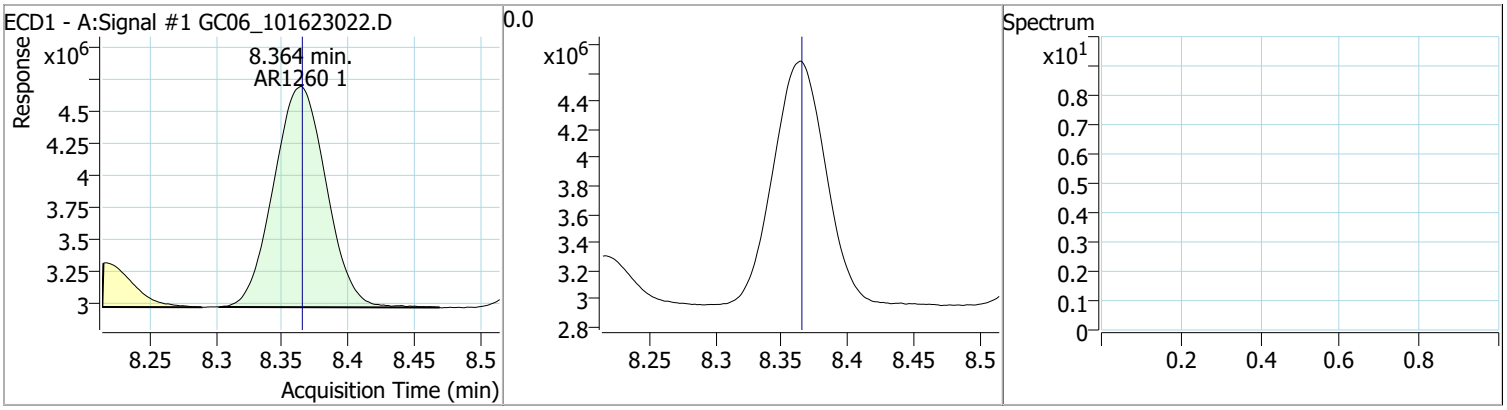
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	486.7765	6.73	0.00	8201220				



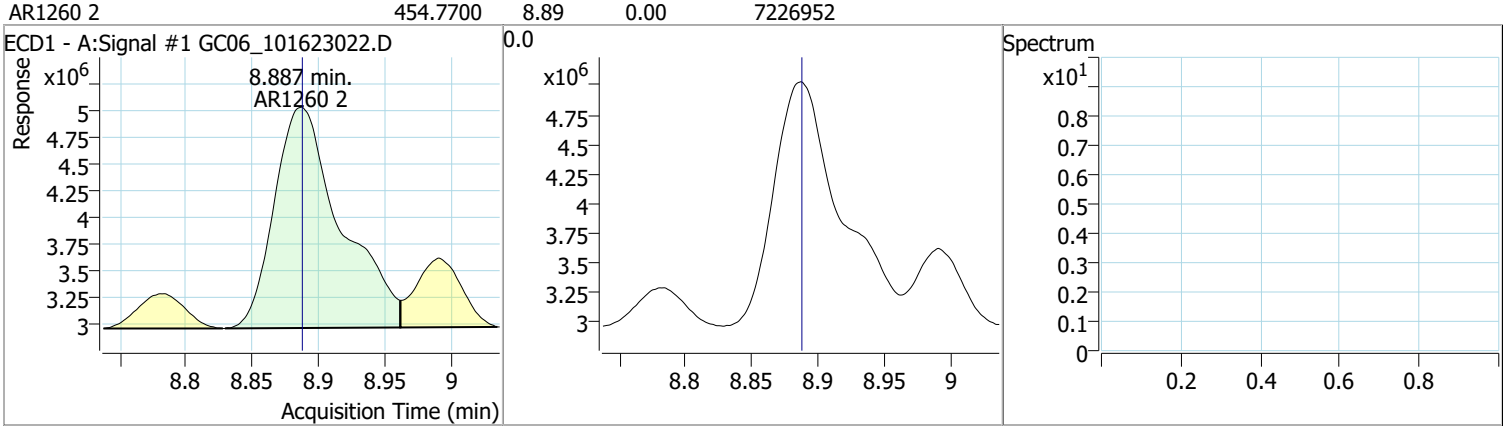
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	474.0863	7.37	0.00	6598788				



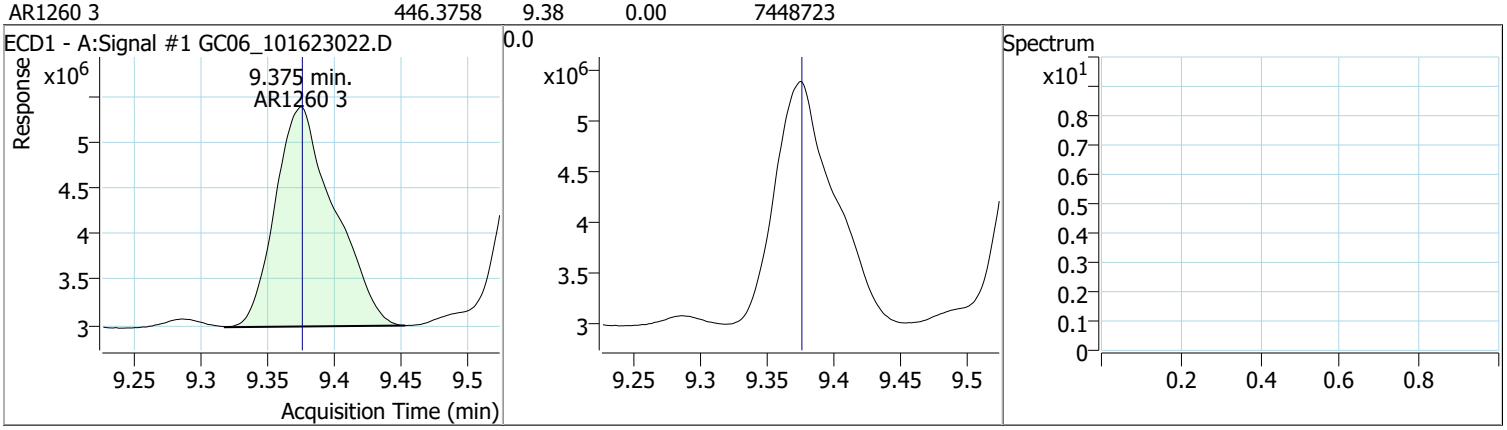
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	467.9769	8.36	0.00	4772604				



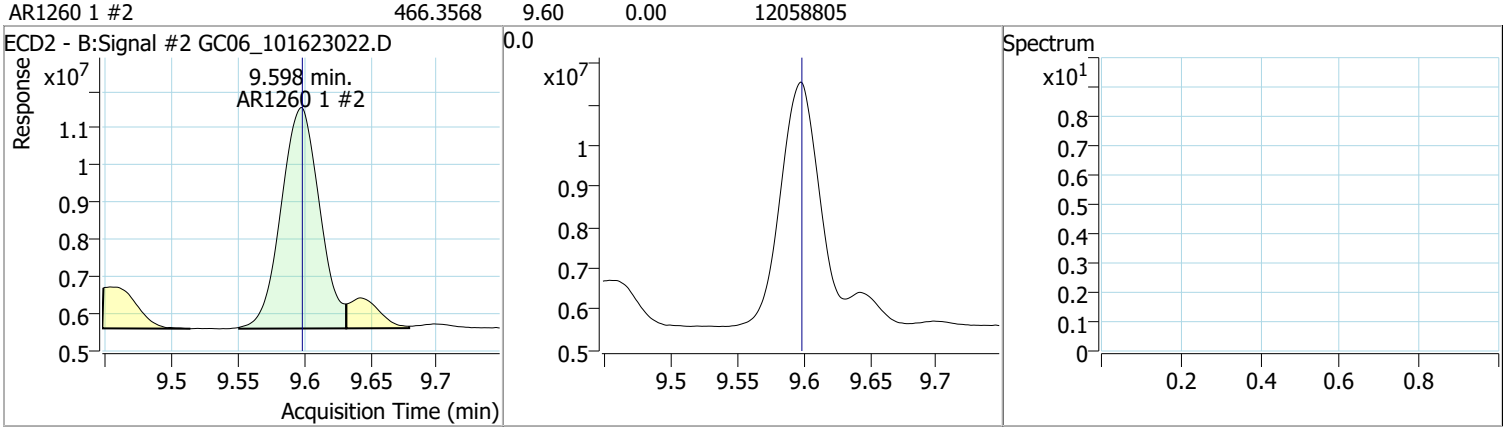
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	454.7700	8.89	0.00	7226952				



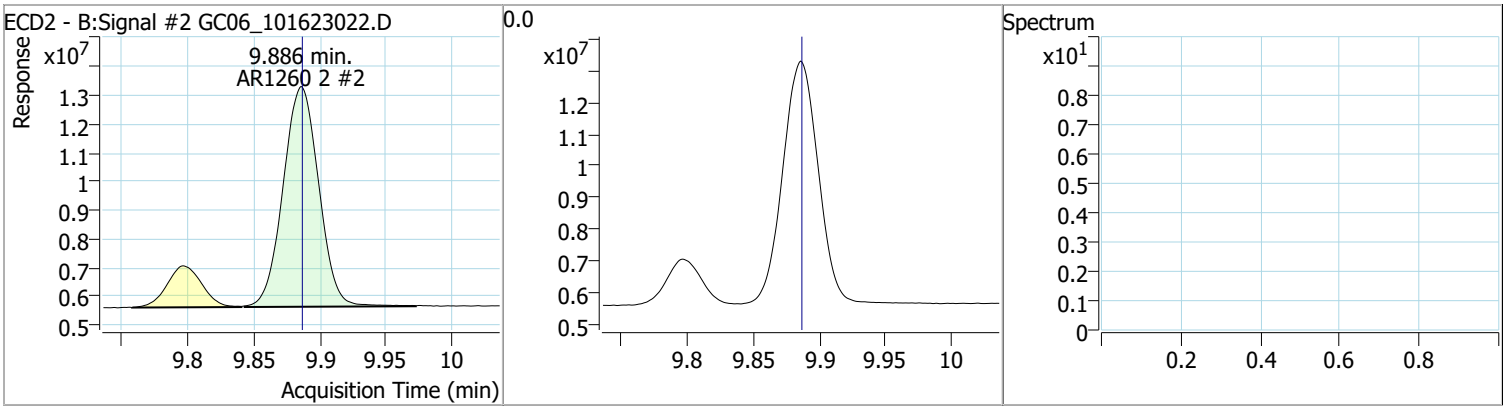
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	446.3758	9.38	0.00	7448723				



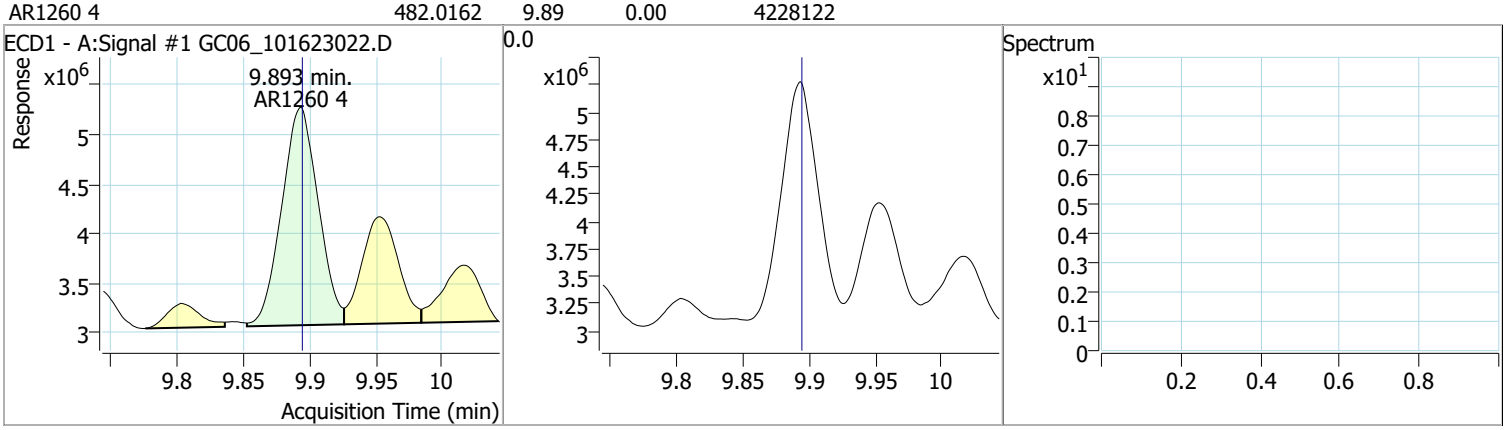
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	466.3568	9.60	0.00	12058805				



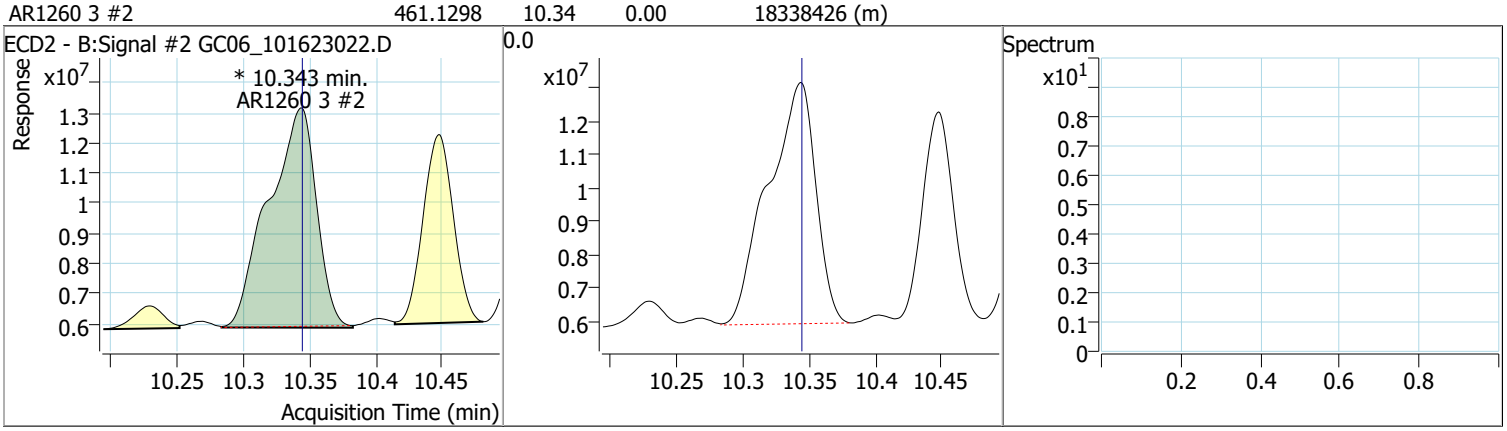
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	459.2850	9.89	0.00	14328337				



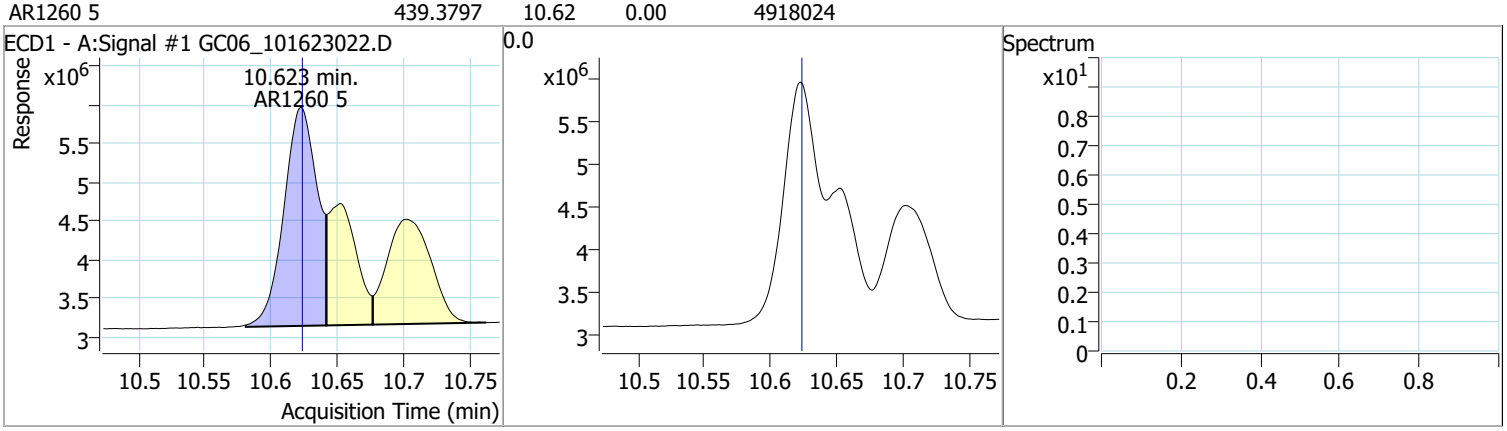
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	482.0162	9.89	0.00	4228122				



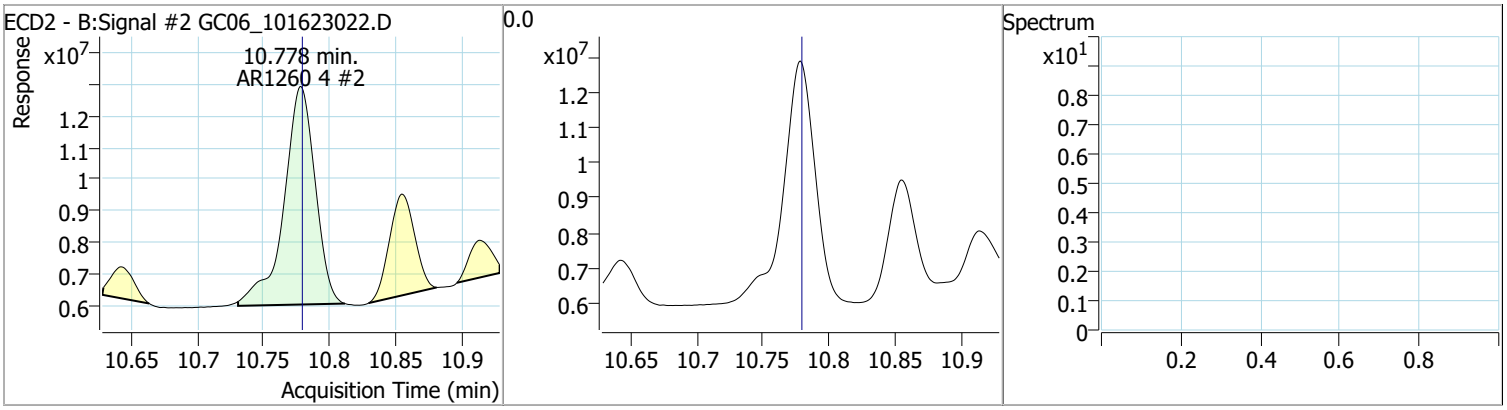
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	461.1298	10.34	0.00	18338426 (m)				



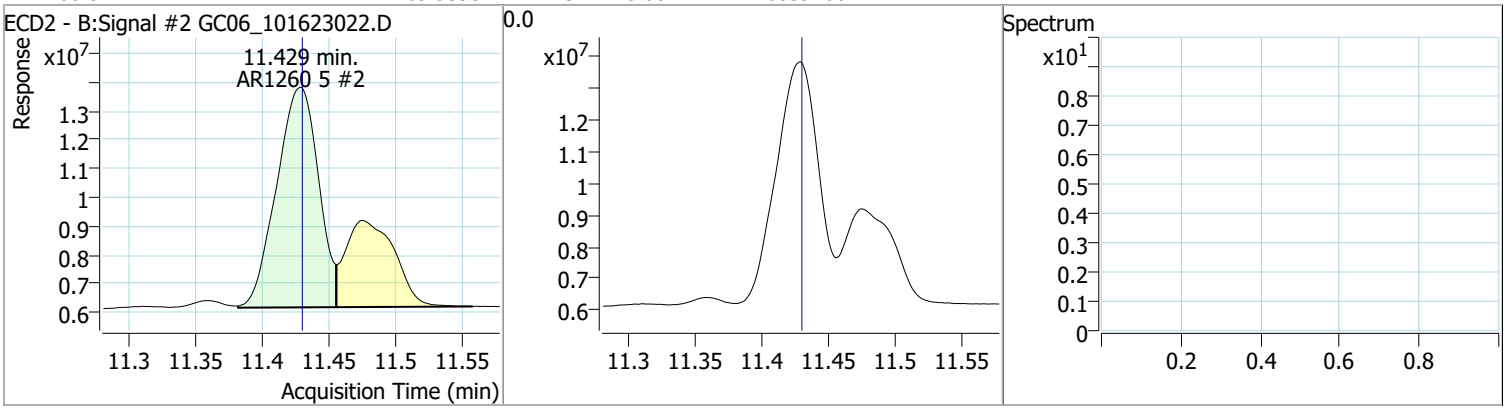
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	439.3797	10.62	0.00	4918024				



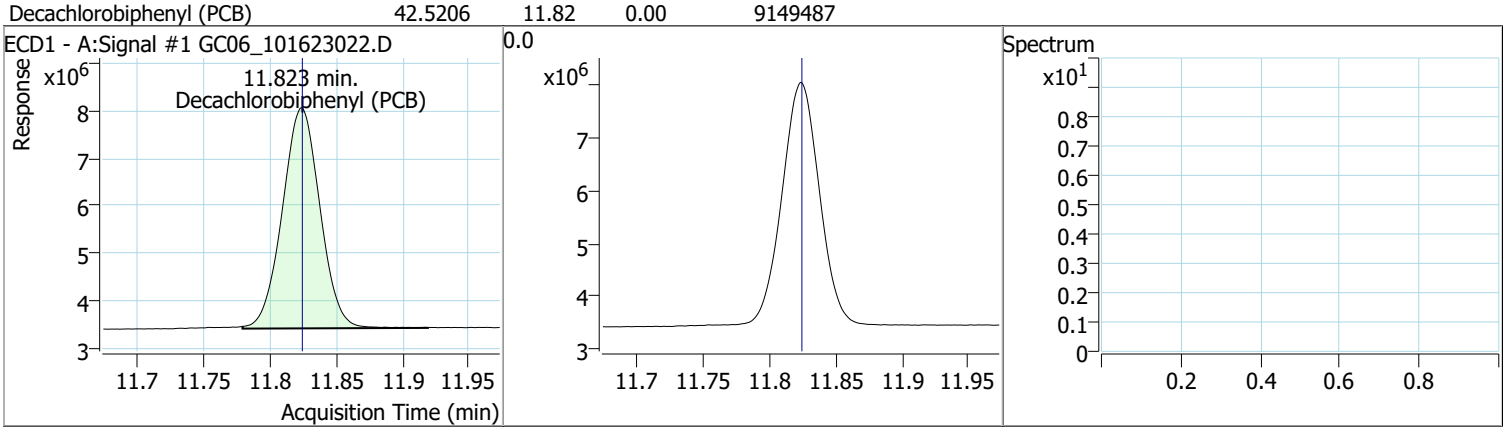
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	471.7265	10.78	0.00	11405188				



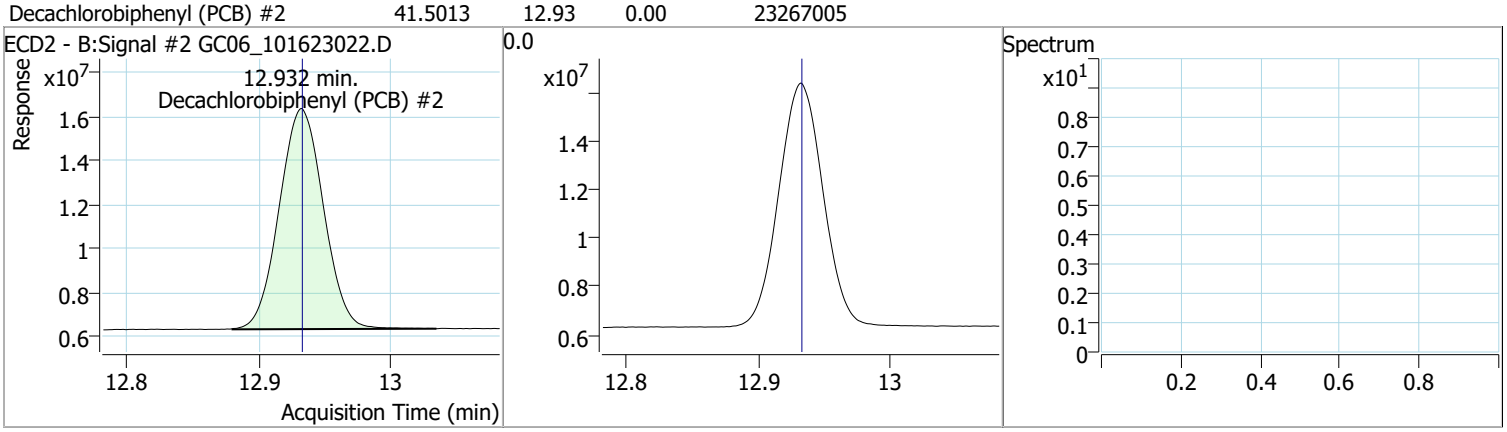
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	469.9393	11.43	0.00	16839266				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.5206	11.82	0.00	9149487				

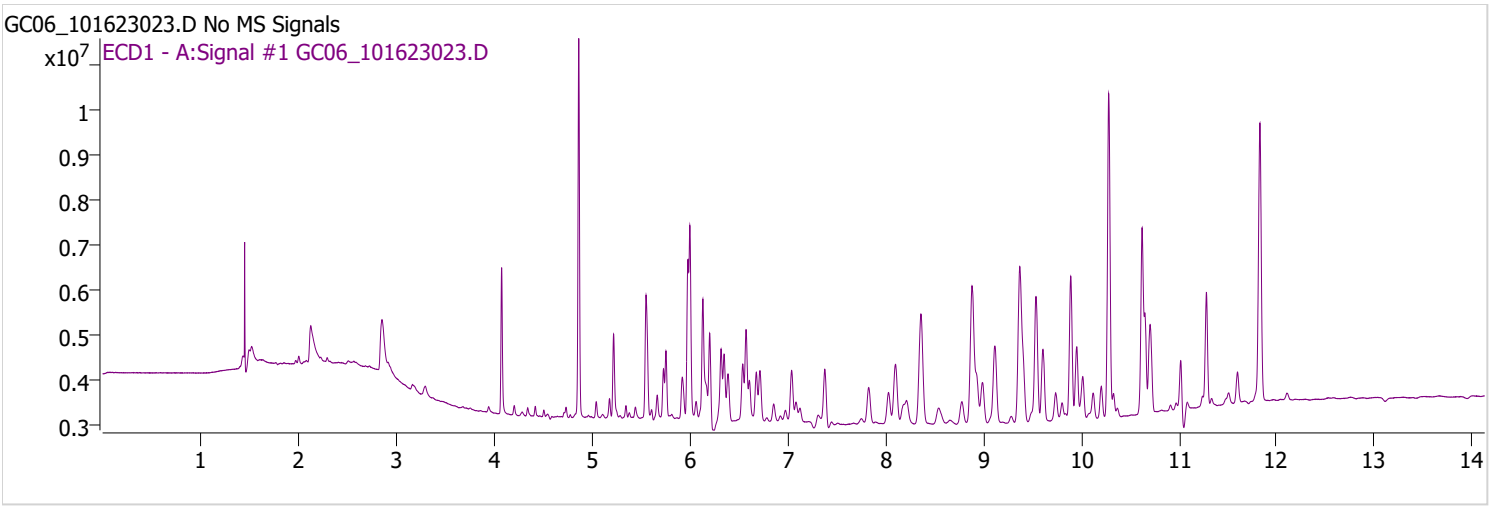


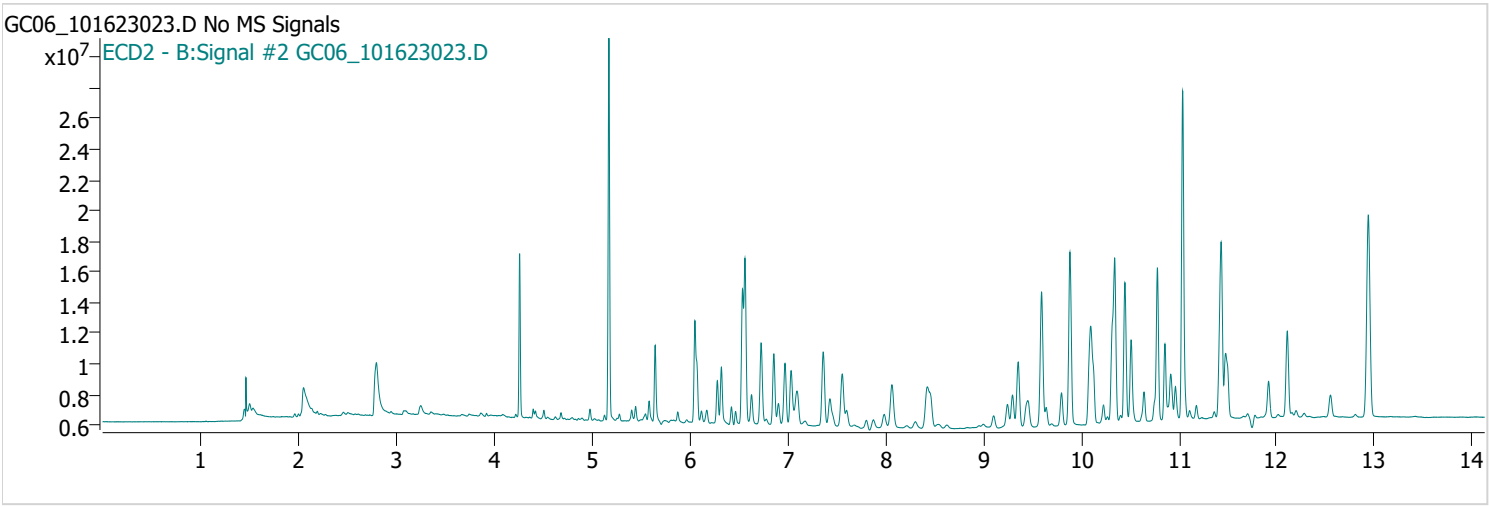
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.5013	12.93	0.00	23267005				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623023.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 4:01:34 PM
Sample Name	ICAL, S18460	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	150 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



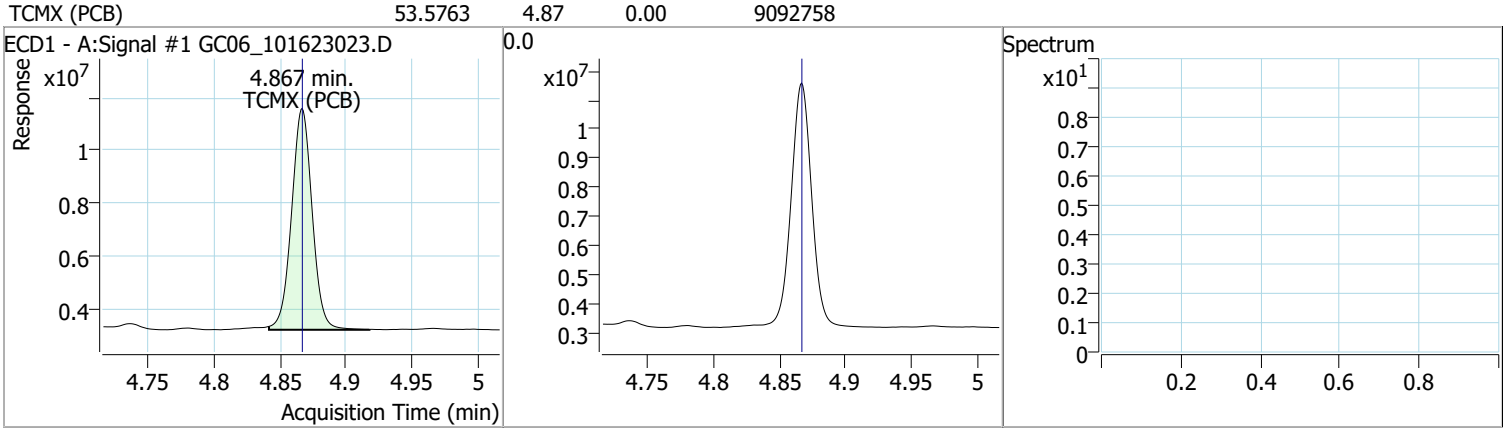


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3411095.103	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10002704.511	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.867	0.0	9092758.361	53.5763	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 267.88%		*	
S TCMX (PCB) #2	5.174	0.0	26854495.527	57.1138	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 285.57%		*	
S Decachlorobiphenyl (PCB)	11.828	0.0	12455719.189	57.2420	ng/ml		0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 286.21%		*	
S Decachlorobiphenyl (PCB) #2	12.934	0.0	31411987.791	54.7076	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 273.54%		*	
Target Compounds							QValue

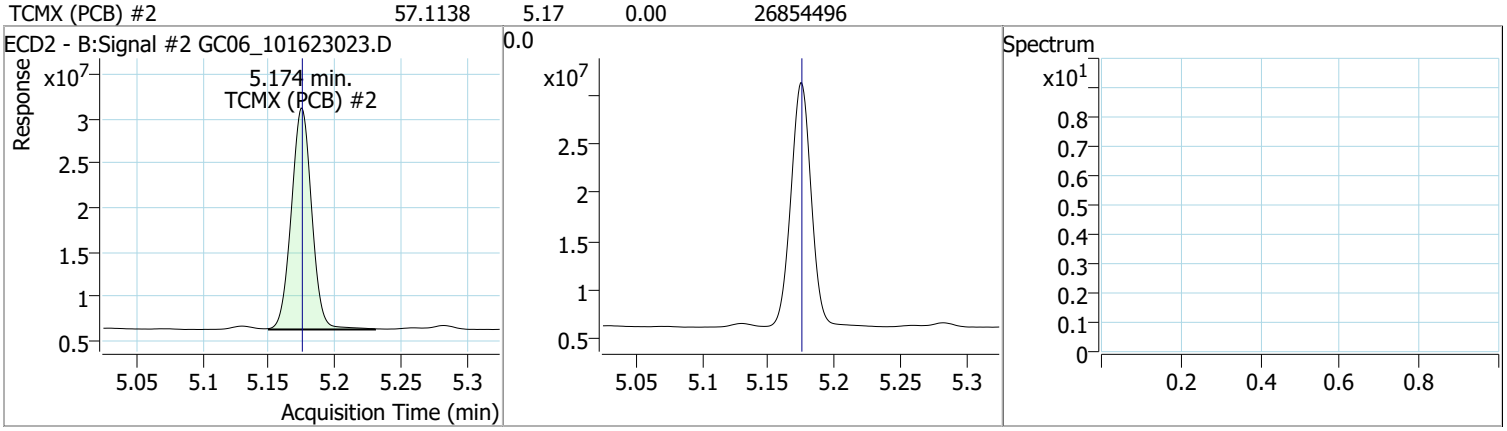
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.223	0.0	2565988.886	693.0892	ng/ml		100
T AR1016 2	5.554	0.0	4781200.290	643.4313	ng/ml		100
T AR1016 1 #2	5.648	0.0	6686556.333	722.9176	ng/ml		100
T AR1016 3	6.002	0.0	5869743.467	617.9557	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	13029538.253	675.0099	ng/ml		100
T AR1016 4	6.135	0.0	4505311.007	756.9953	ng/ml	m	100
T AR1016 3 #2	6.565	0.0	17014756.808	662.4243	ng/ml		100
T AR1016 5	6.576	0.0	3270917.711	610.7378	ng/ml		100
T AR1016 4 #2	6.730	0.0	9016310.129	522.5301	ng/ml		100
T AR1016 5 #2	7.364	0.0	9512691.170	667.3105	ng/ml		100
T AR1260 1	8.363	0.0	6628649.091	642.7431	ng/ml		100
T AR1260 2	8.885	0.0	10259045.154	638.3914	ng/ml		100
T AR1260 3	9.373	0.0	10802154.609	640.1366	ng/ml		100
T AR1260 1 #2	9.596	0.0	17427915.046	658.0983	ng/ml		100
T AR1260 2 #2	9.886	0.0	20720397.345	648.5088	ng/ml		100
T AR1260 4	9.894	0.0	5862813.479	660.9424	ng/ml		100
T AR1260 3 #2	10.343	0.0	26476991.014	650.0714	ng/ml	m	100
T AR1260 5	10.623	0.0	7657455.170	676.5148	ng/ml	m	100
T AR1260 4 #2	10.779	0.0	16214086.226	654.8045	ng/ml		100
T AR1260 5 #2	11.431	0.0	24690483.217	672.7900	ng/ml		100

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

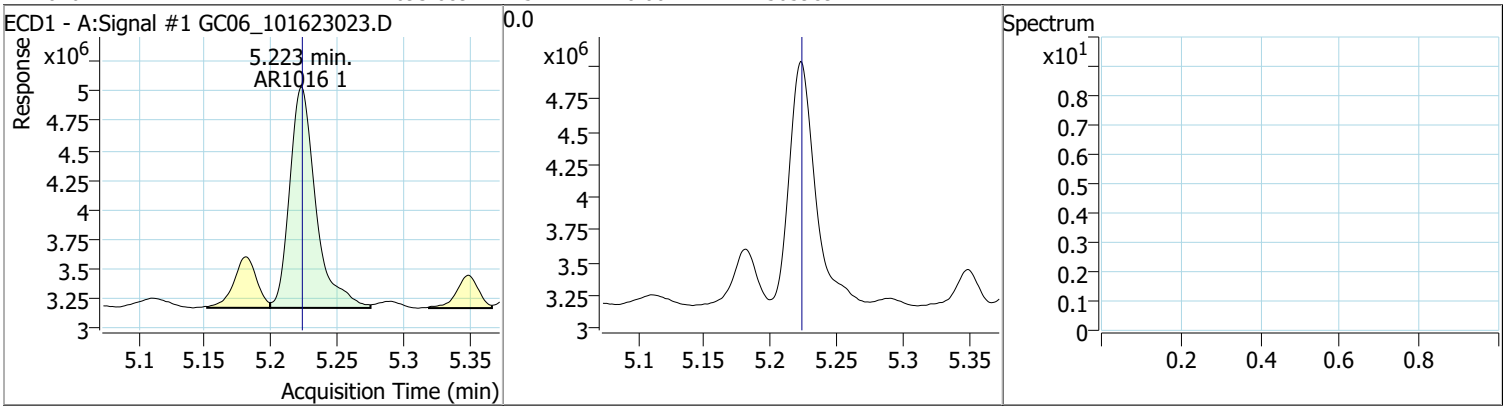
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	53.5763	4.87	0.00	9092758				



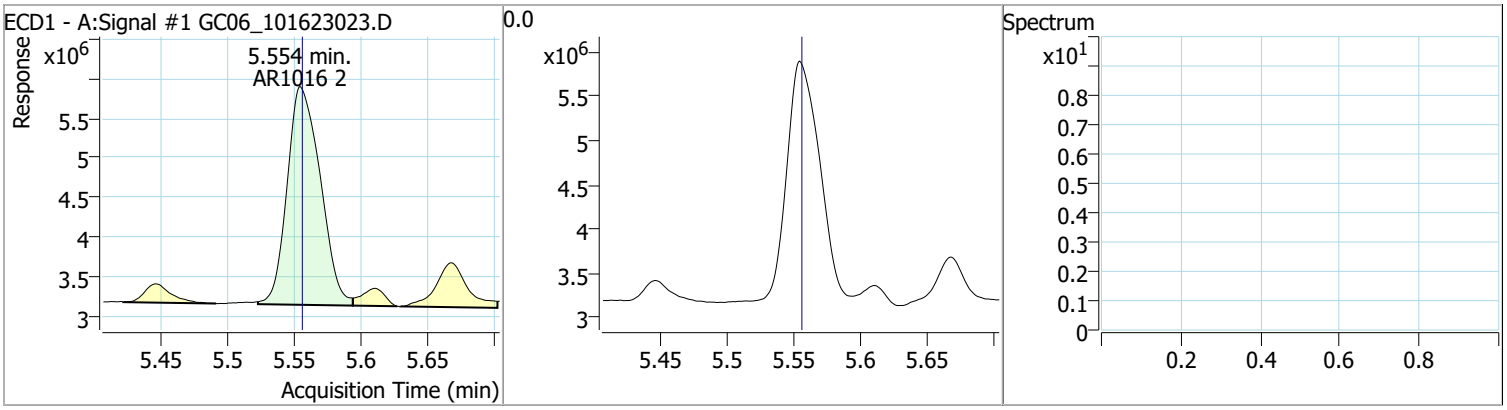
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	57.1138	5.17	0.00	26854496				



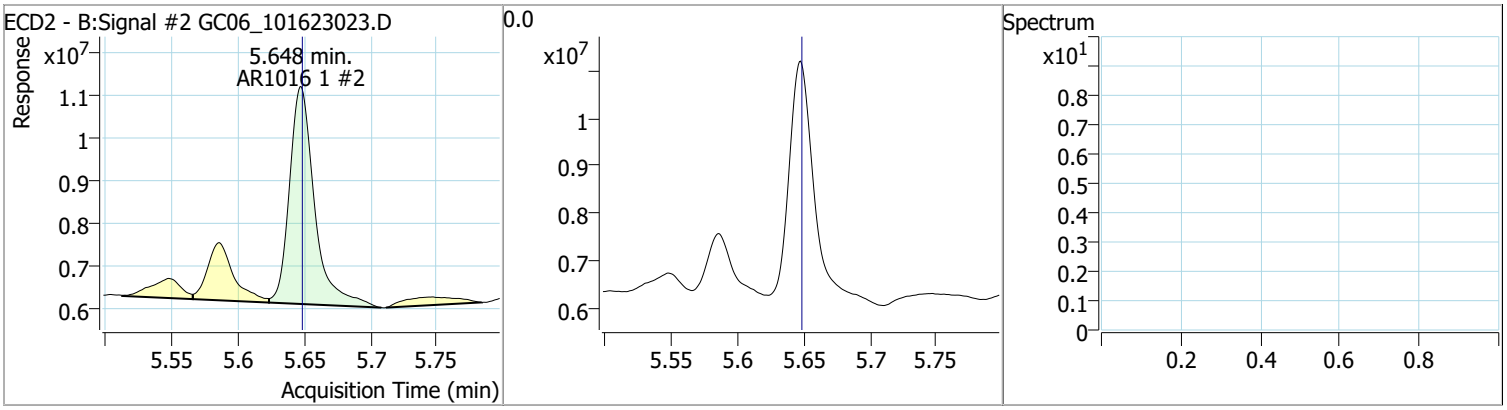
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	693.0892	5.22	0.00	2565989				



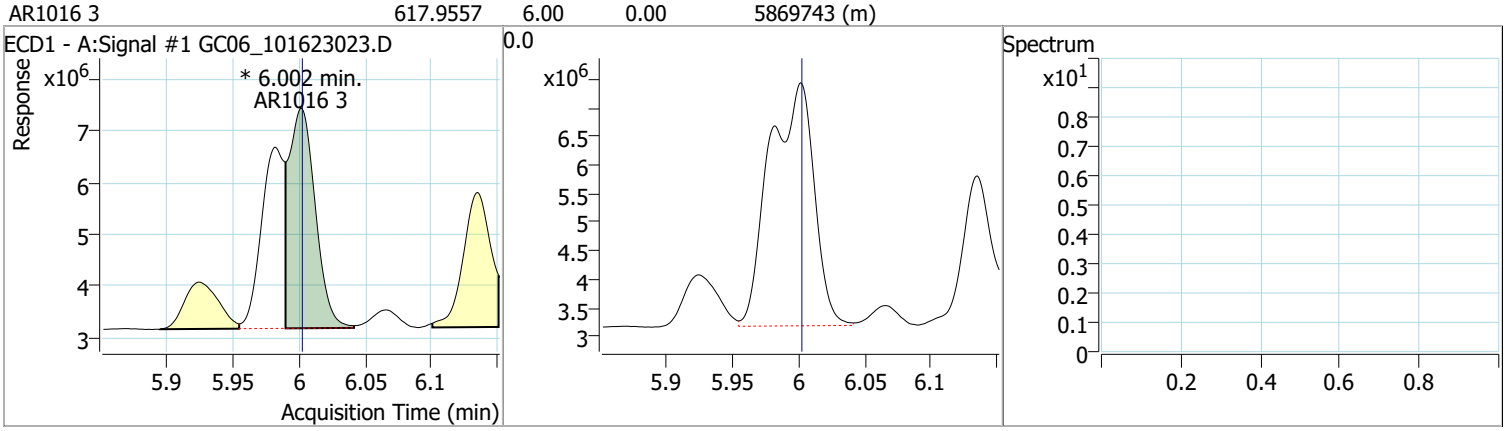
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	643.4313	5.55	0.00	4781200				



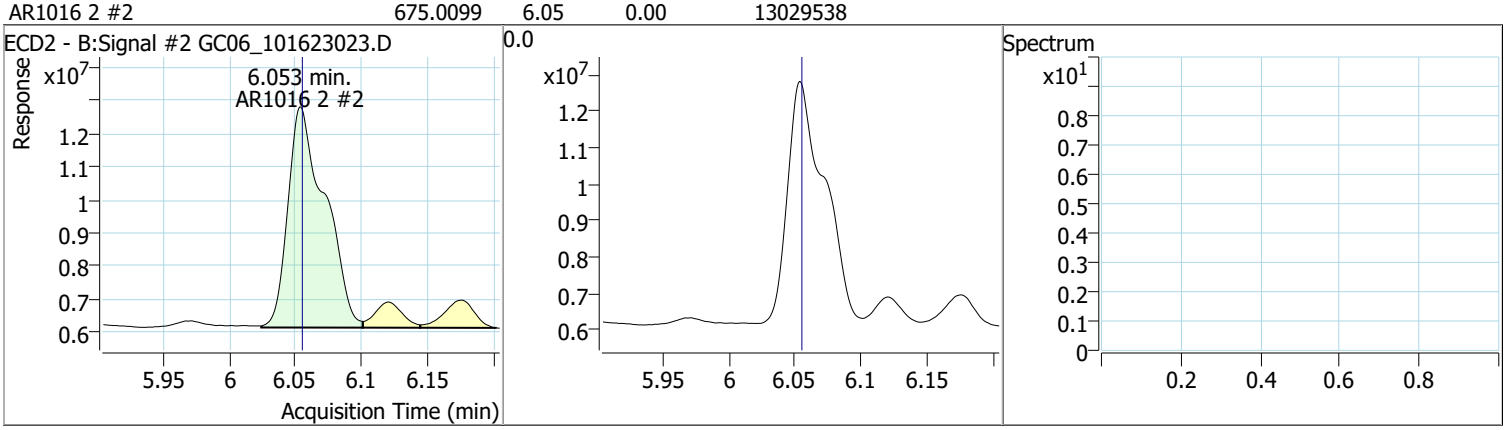
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	722.9176	5.65	0.00	6686556				



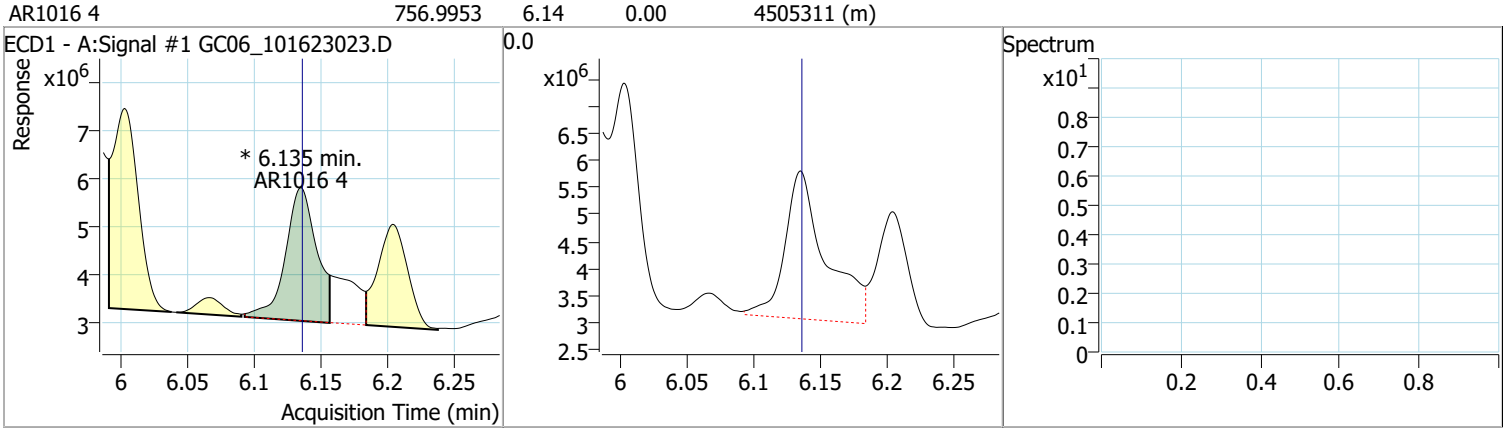
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	617.9557	6.00	0.00	5869743 (m)				



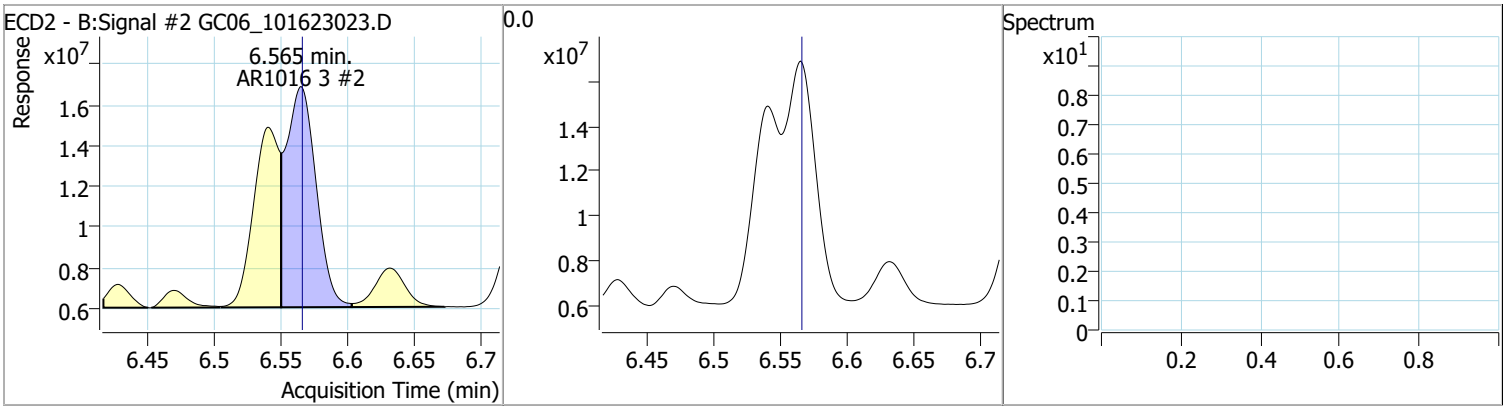
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	675.0099	6.05	0.00	13029538				



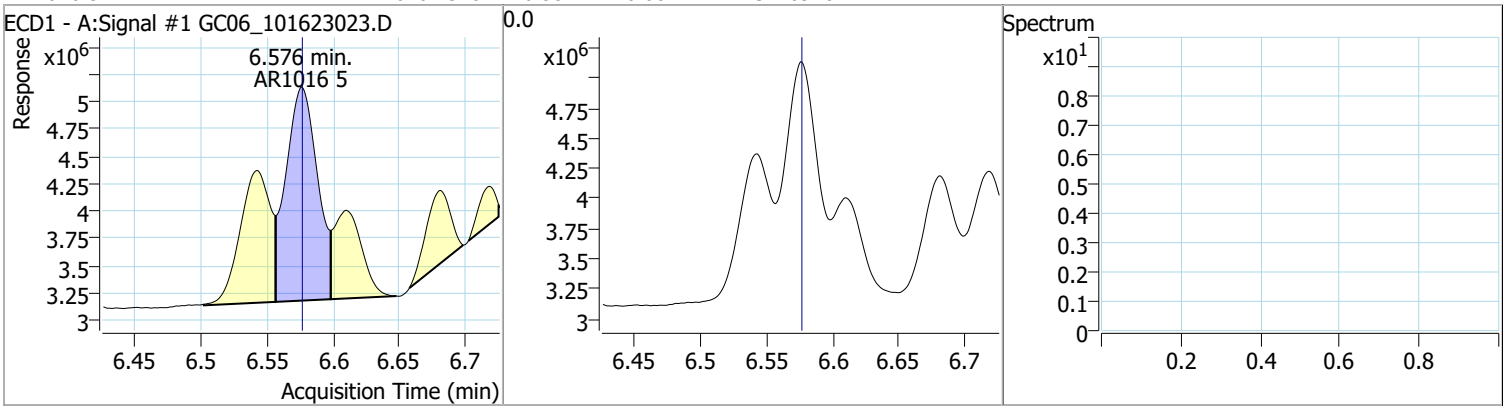
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	756.9953	6.14	0.00	4505311 (m)				



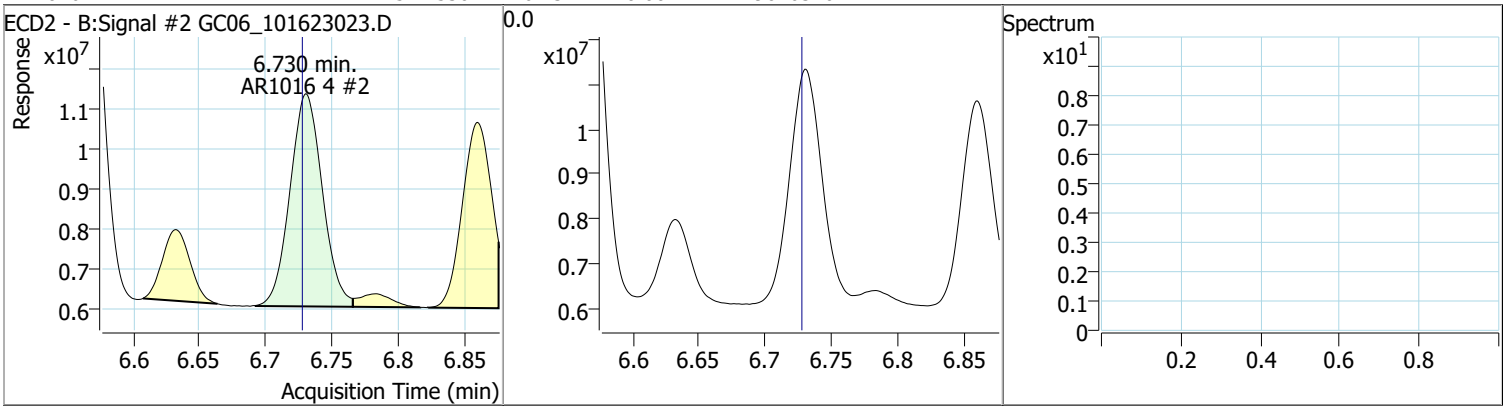
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	662.4243	6.57	0.00	17014757				



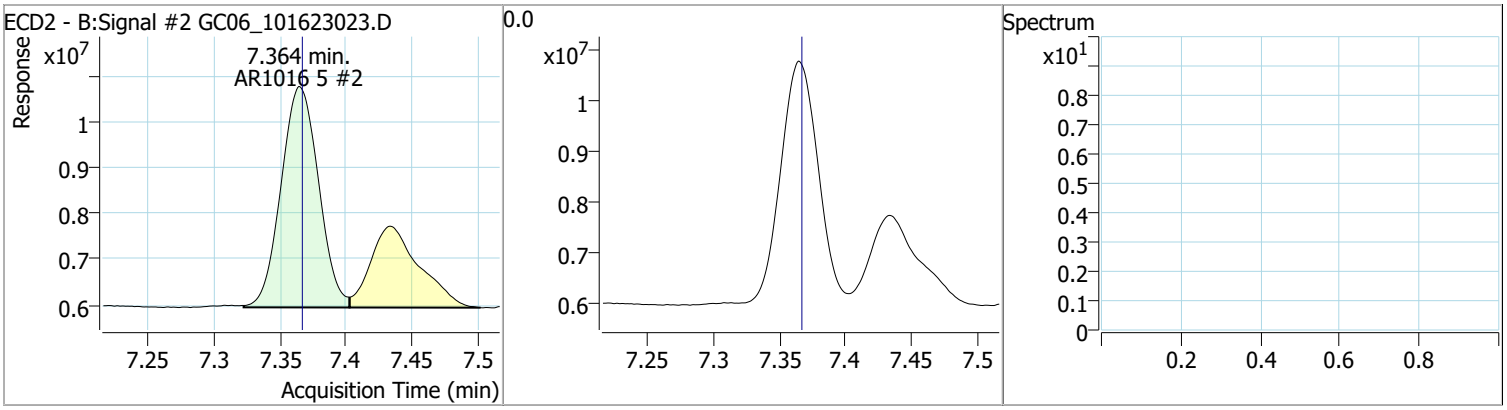
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	610.7378	6.58	0.00	3270918				



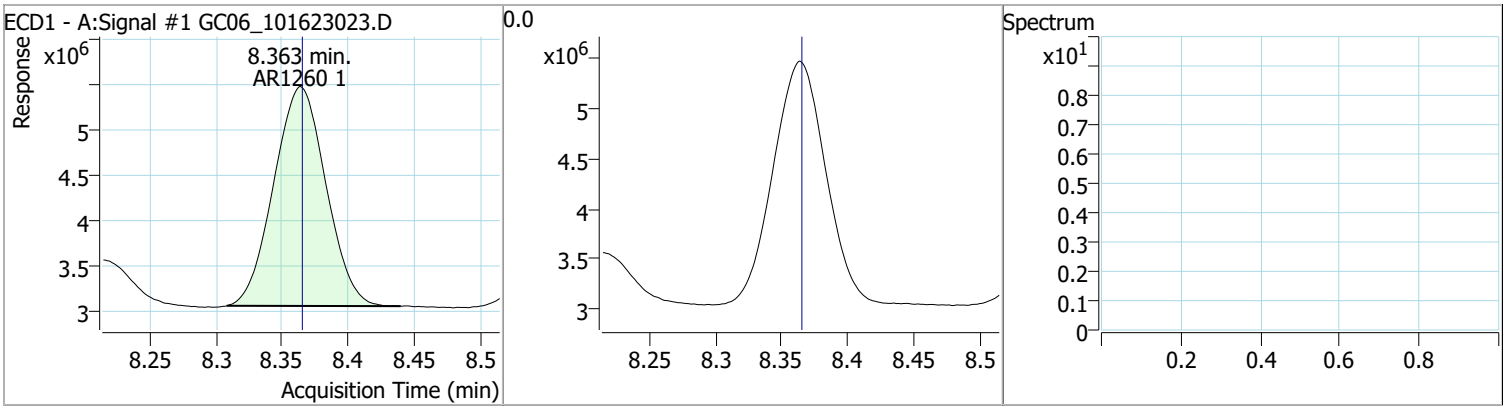
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	522.5301	6.73	0.00	9016310				



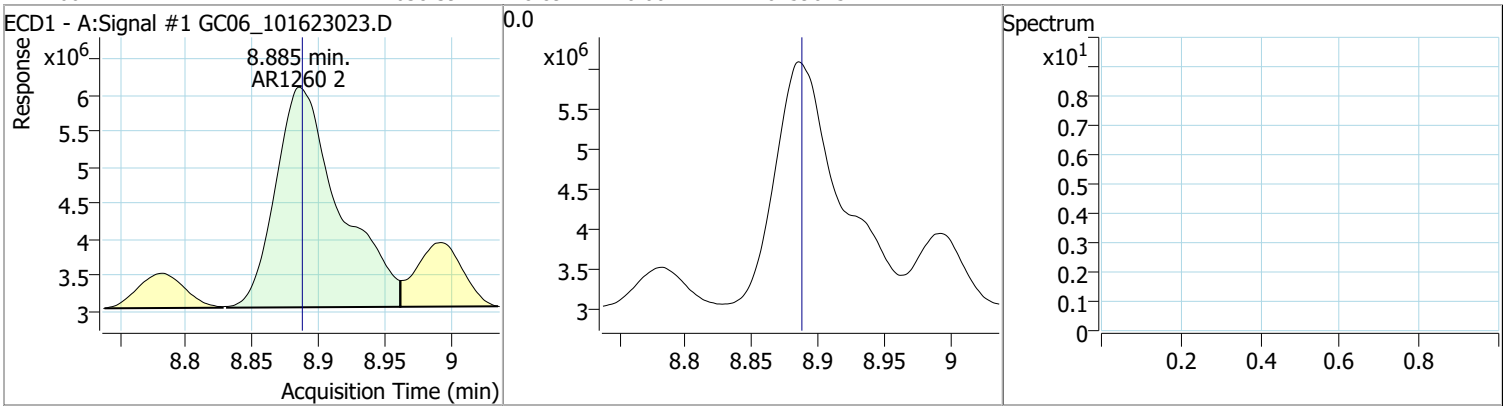
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	667.3105	7.36	0.00	9512691				



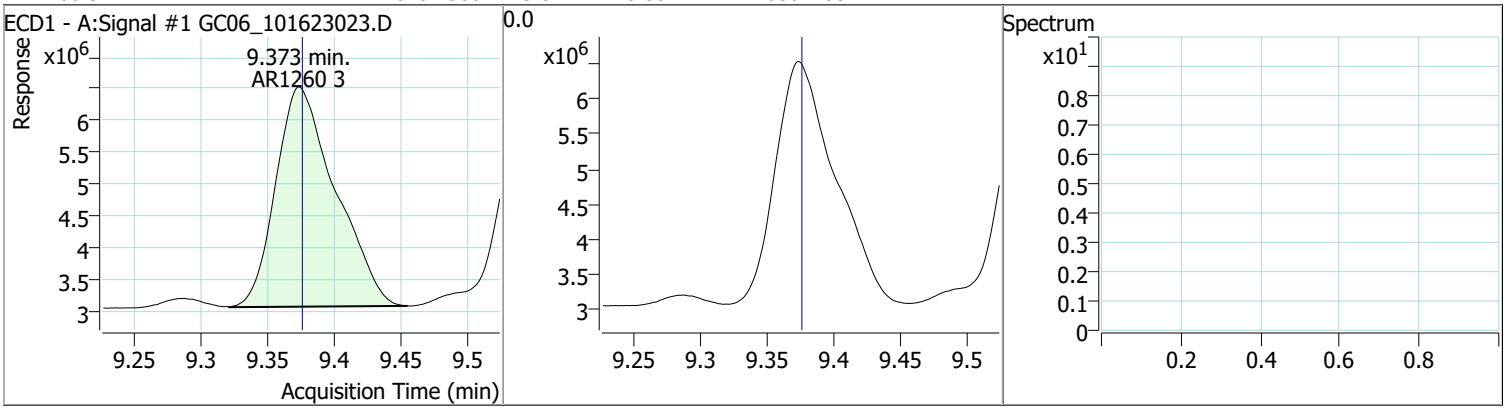
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	642.7431	8.36	0.00	6628649				



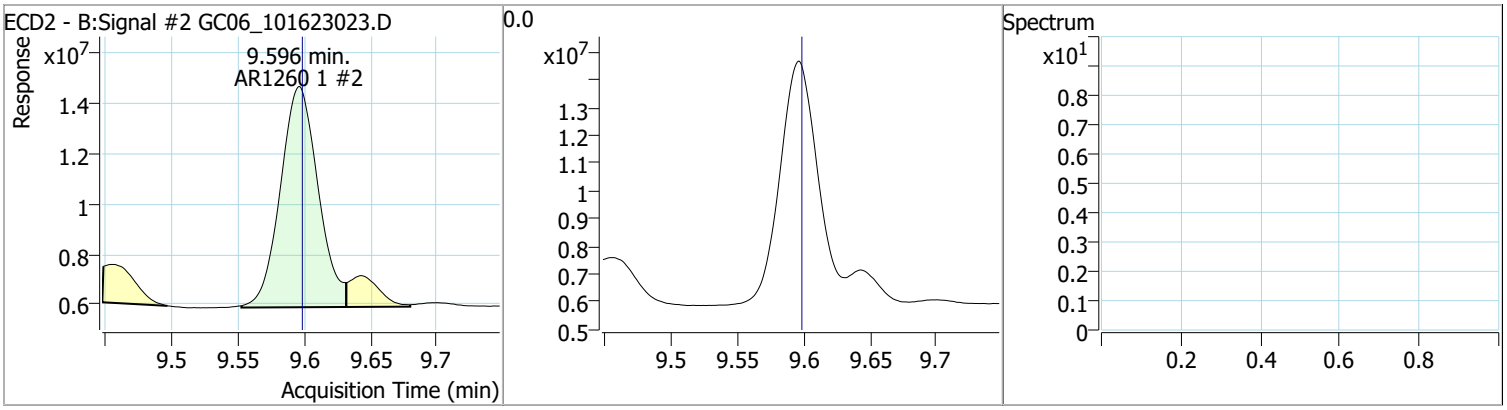
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	638.3914	8.89	0.00	10259045				



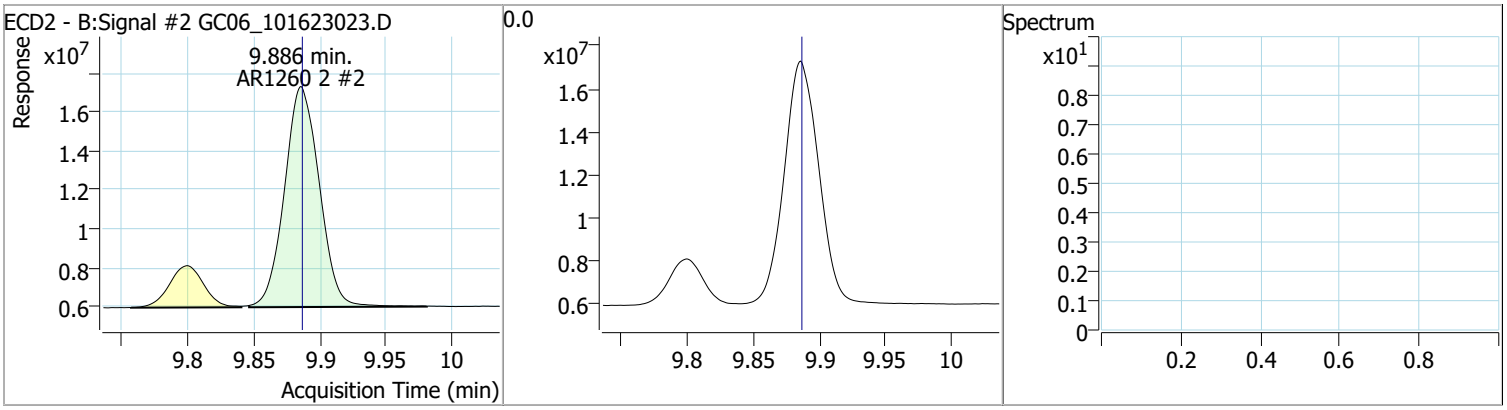
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	640.1366	9.37	0.00	10802155				



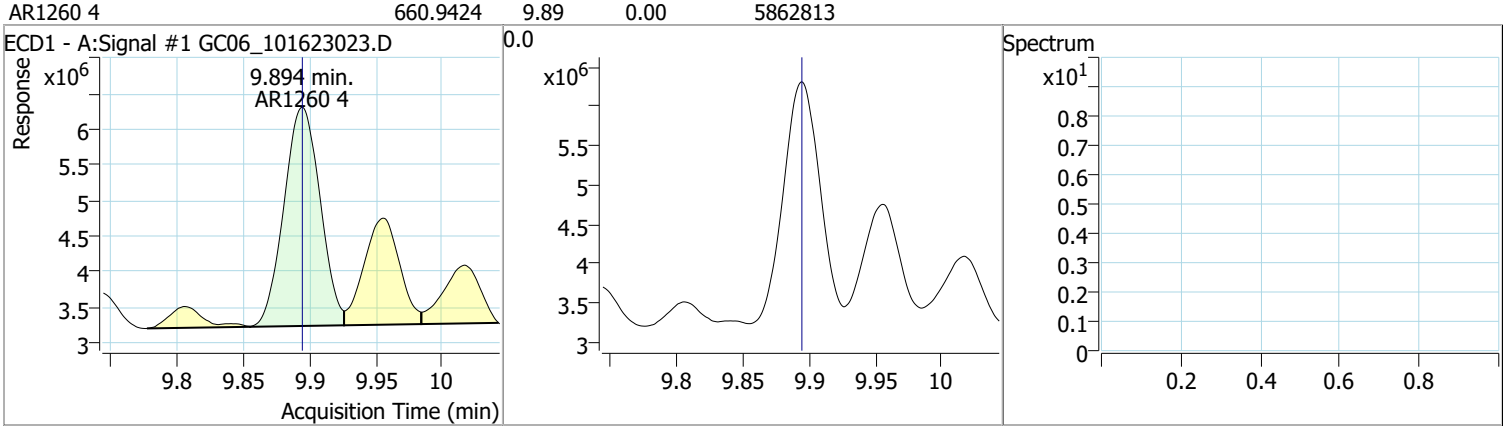
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	658.0983	9.60	0.00	17427915				



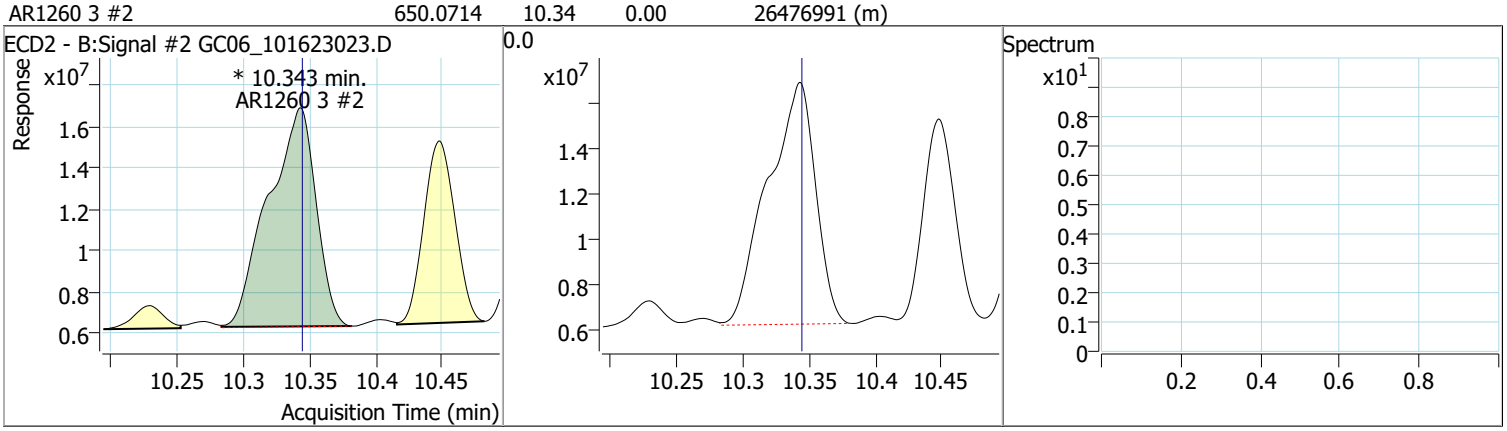
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	648.5088	9.89	0.00	20720397				



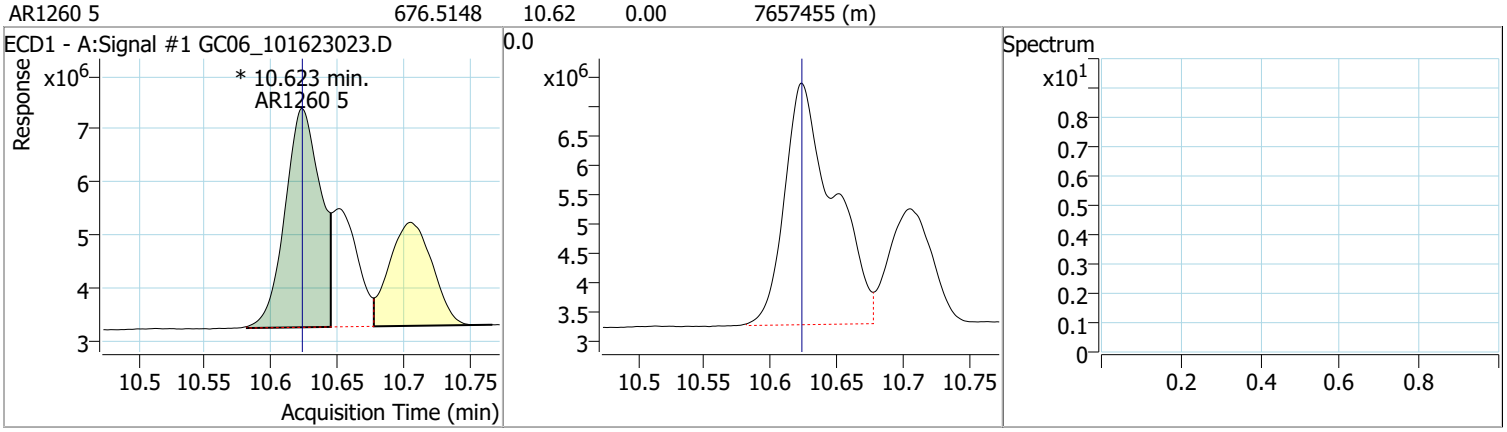
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	660.9424	9.89	0.00	5862813				



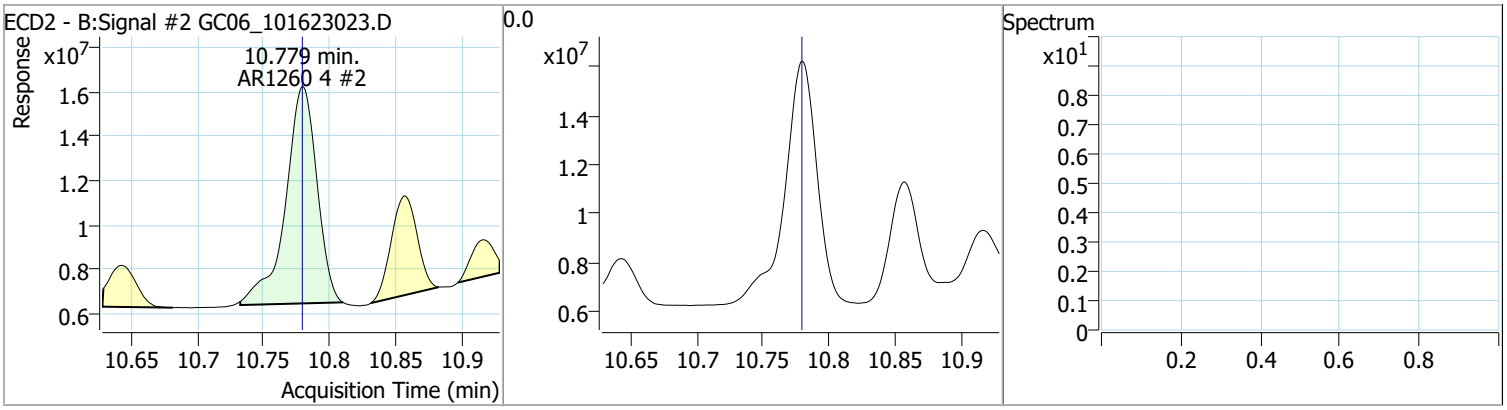
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	650.0714	10.34	0.00	26476991 (m)				



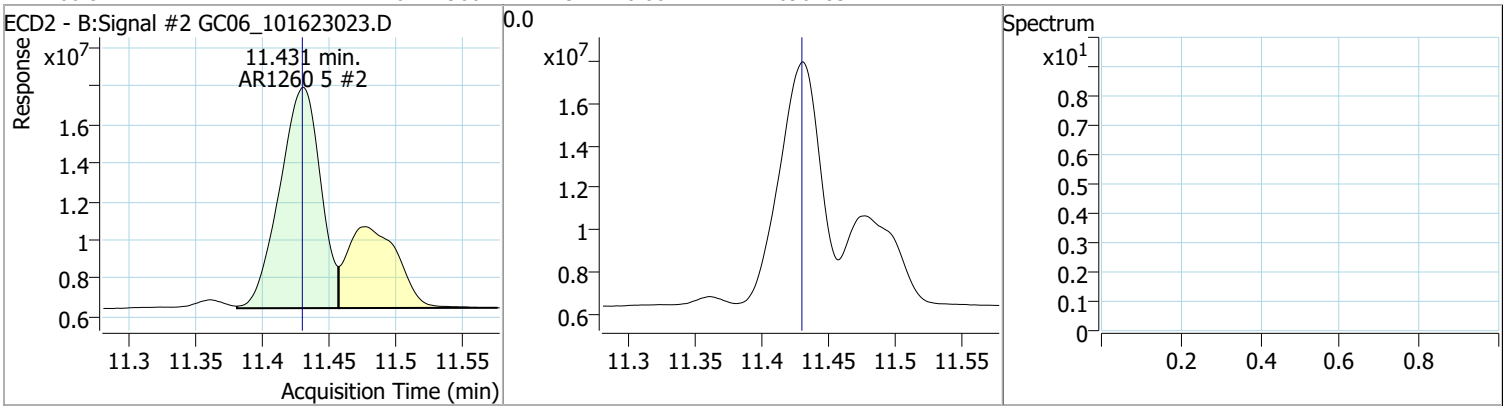
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	676.5148	10.62	0.00	7657455 (m)				



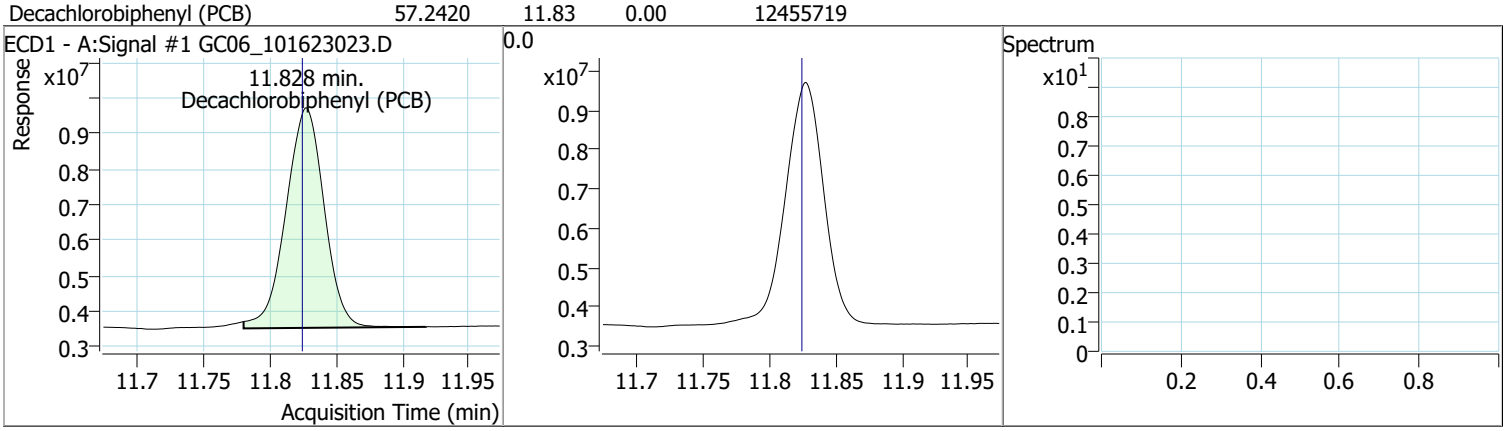
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	654.8045	10.78	0.00	16214086				



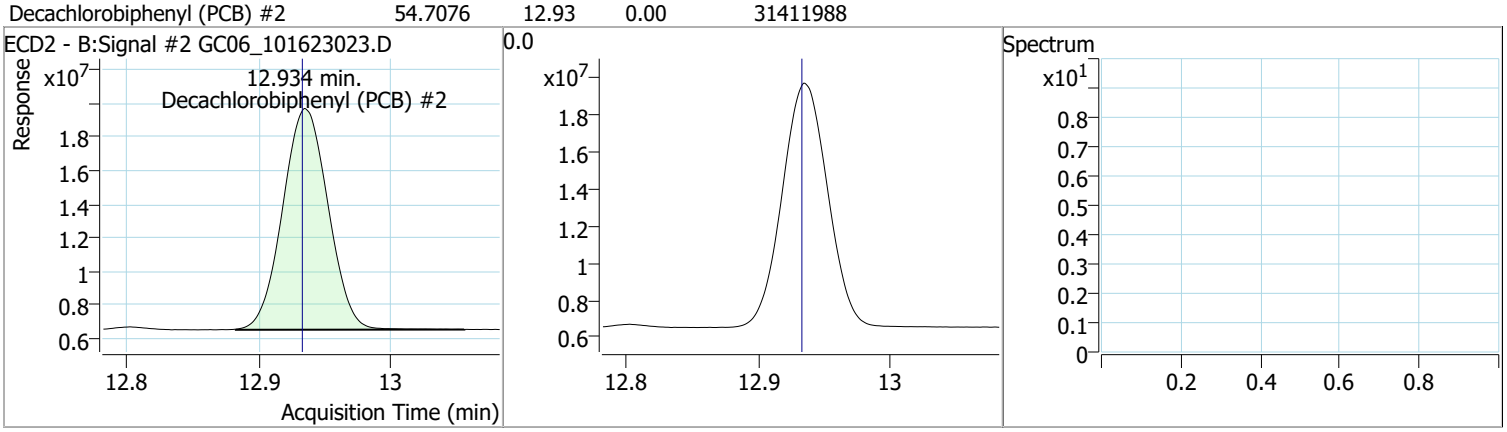
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	672.7900	11.43	0.00	24690483				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	57.2420	11.83	0.00	12455719				

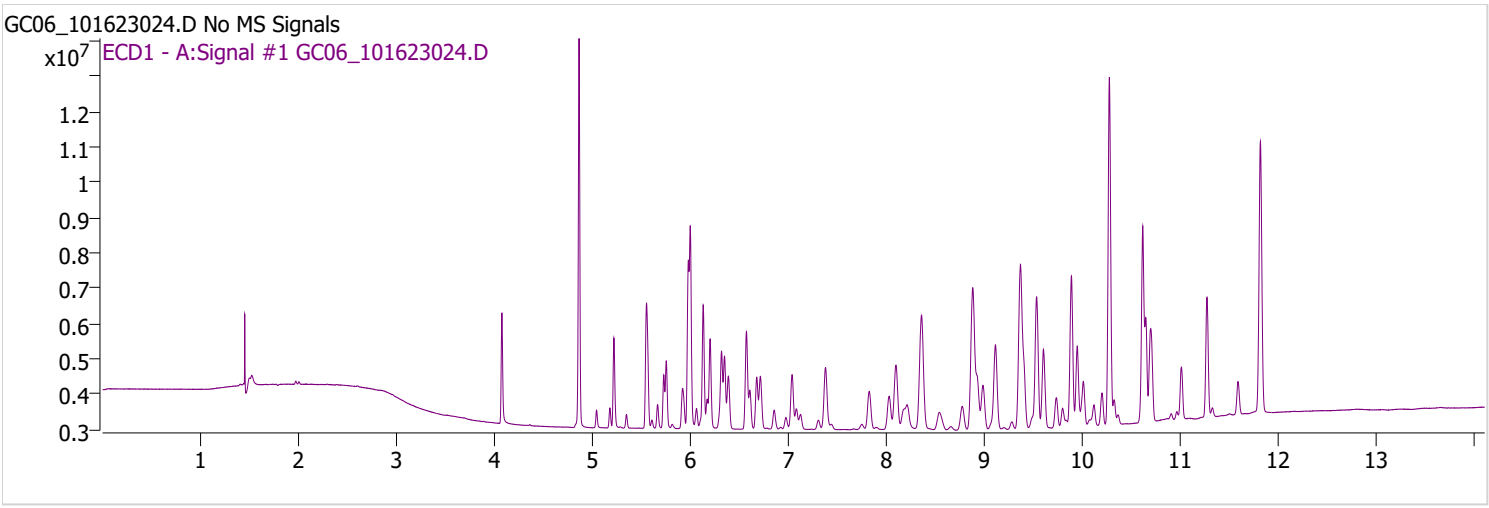


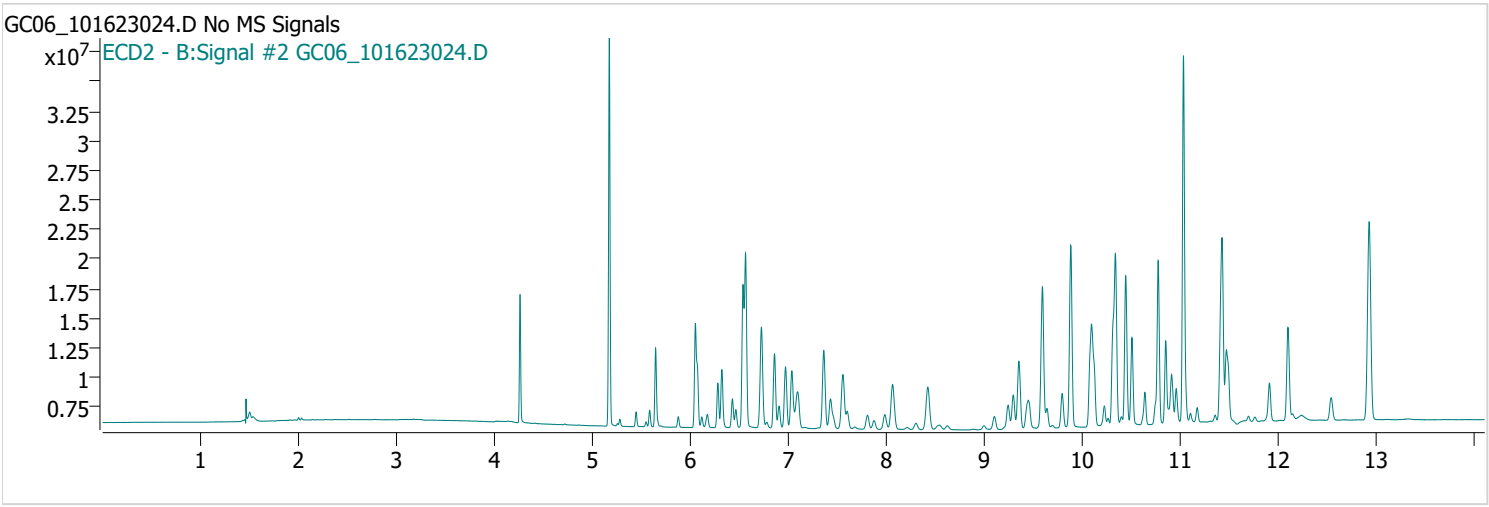
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	54.7076	12.93	0.00	31411988				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623024.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 4:20:42 PM
Sample Name	ICAL, S18461	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



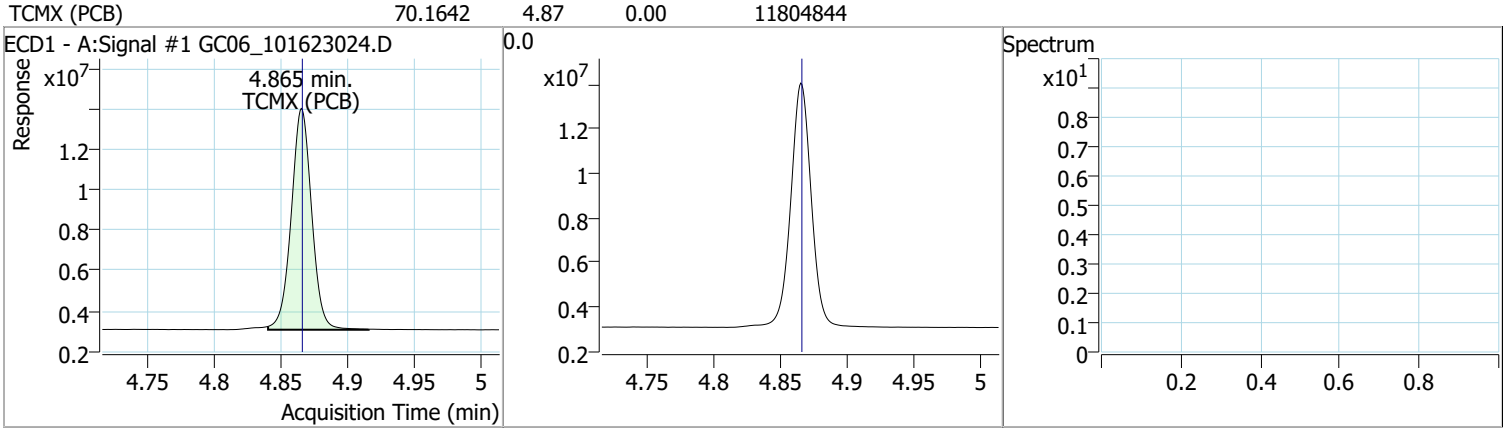


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3381544.181	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	9785607.825	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.865	0.0	11804843.778	70.1642	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.82%		*	
S TCMX (PCB) #2	5.174	0.0	33998519.300	73.9118	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 369.56%		*	
S Decachlorobiphenyl (PCB)	11.823	0.0	15380886.032	71.3027	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 356.51%		*	
S Decachlorobiphenyl (PCB) #2	12.933	0.0	38931066.653	69.3071	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 346.54%		*	
Target Compounds							QValue

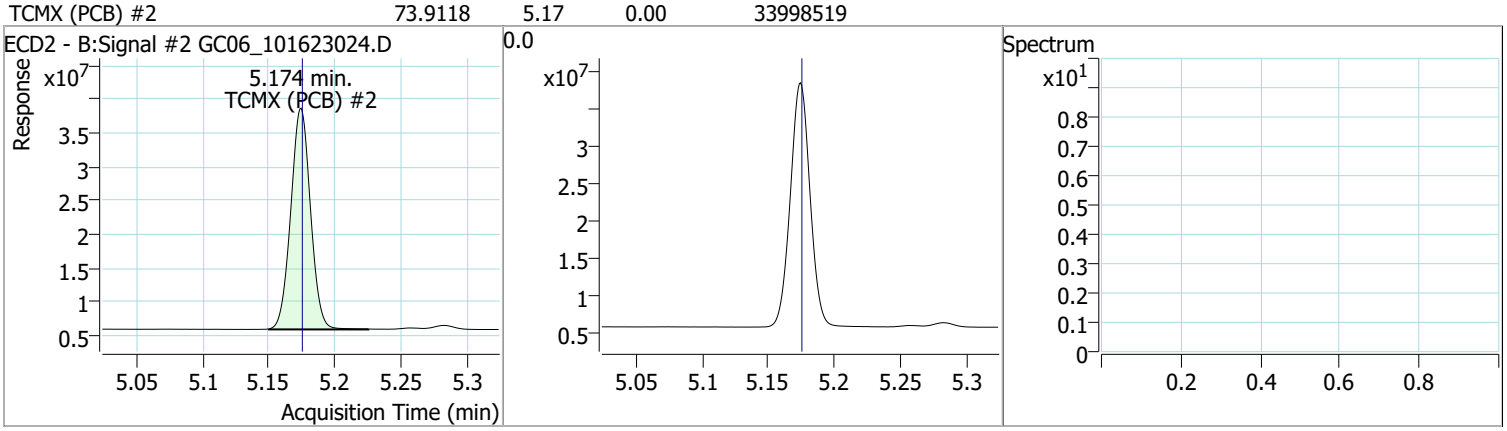
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.221	0.0	3208052.528	874.0869	ng/ml		100
T AR1016 2	5.554	0.0	6177165.680	838.5583	ng/ml		100
T AR1016 1 #2	5.647	0.0	8263249.117	913.2019	ng/ml		100
T AR1016 3	6.001	0.0	7942278.558	843.4553	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	17211636.322	911.4501	ng/ml		100
T AR1016 4	6.133	0.0	5024458.720	851.6015	ng/ml		100
T AR1016 3 #2	6.565	0.0	22744612.922	905.1461	ng/ml		100
T AR1016 5	6.574	0.0	4657553.023	877.2467	ng/ml		100
T AR1016 4 #2	6.727	0.0	15845225.254	938.6648	ng/ml		100
T AR1016 5 #2	7.364	0.0	12899550.179	924.9723	ng/ml		100
T AR1260 1	8.363	0.0	9064736.487	886.6381	ng/ml		100
T AR1260 2	8.885	0.0	13828623.155	868.0360	ng/ml		100
T AR1260 3	9.372	0.0	14445919.281	863.5475	ng/ml		100
T AR1260 1 #2	9.597	0.0	23397170.491	903.1052	ng/ml		100
T AR1260 2 #2	9.886	0.0	27930033.524	893.5500	ng/ml		100
T AR1260 4	9.893	0.0	8163197.155	928.3177	ng/ml		100
T AR1260 3 #2	10.341	0.0	36279017.506	910.4951	ng/ml		100
T AR1260 5	10.621	0.0	9749735.919	868.8893	ng/ml		100
T AR1260 4 #2	10.778	0.0	22876459.200	944.3601	ng/ml	m	100
T AR1260 5 #2	11.431	0.0	34575399.733	963.0454	ng/ml		100

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

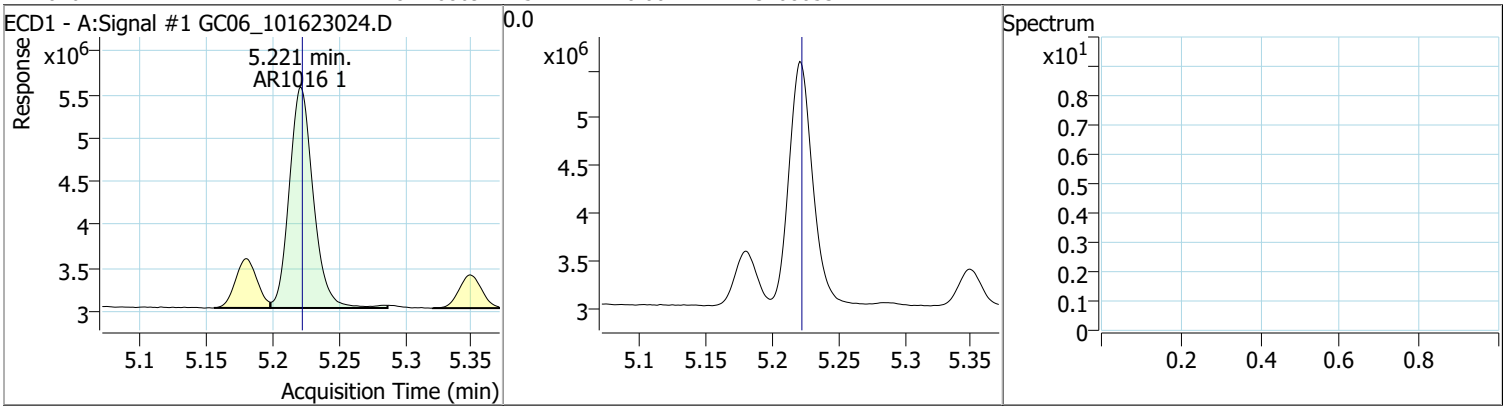
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	70.1642	4.87	0.00	11804844				



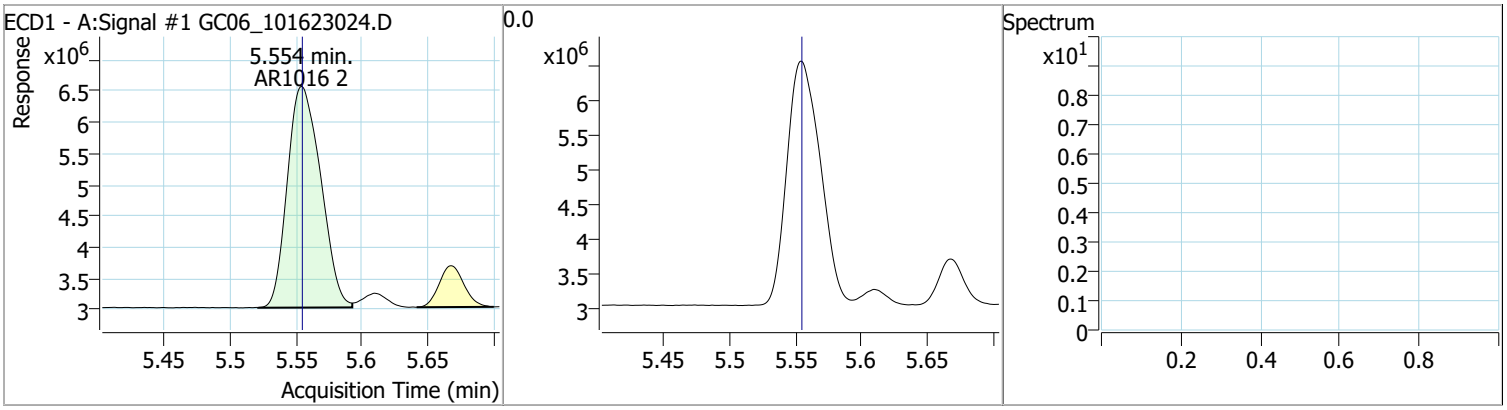
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	73.9118	5.17	0.00	33998519				



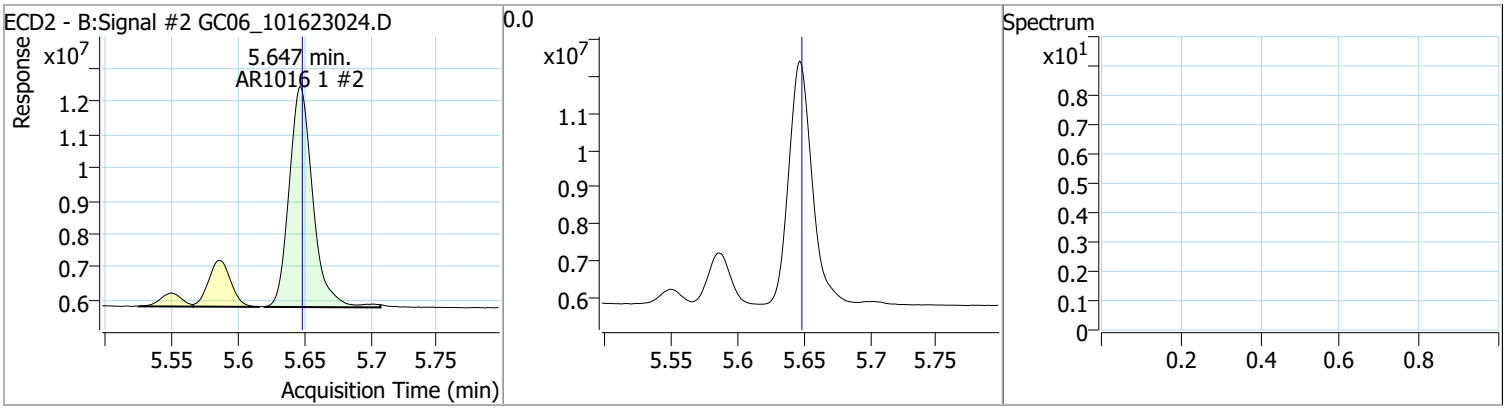
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	874.0869	5.22	0.00	3208053				



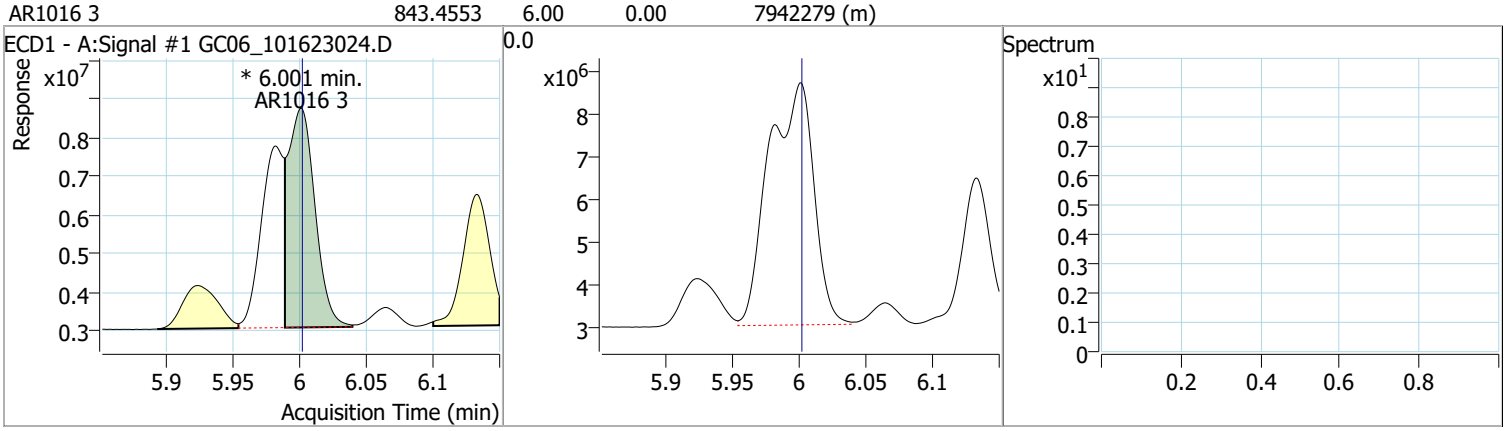
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	838.5583	5.55	0.00	6177166				



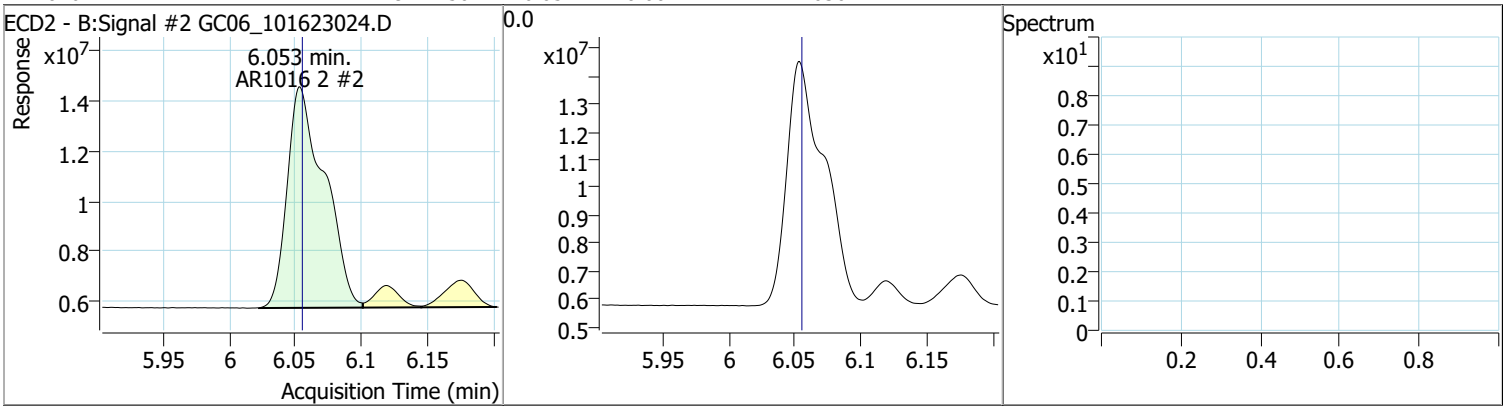
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	913.2019	5.65	0.00	8263249				



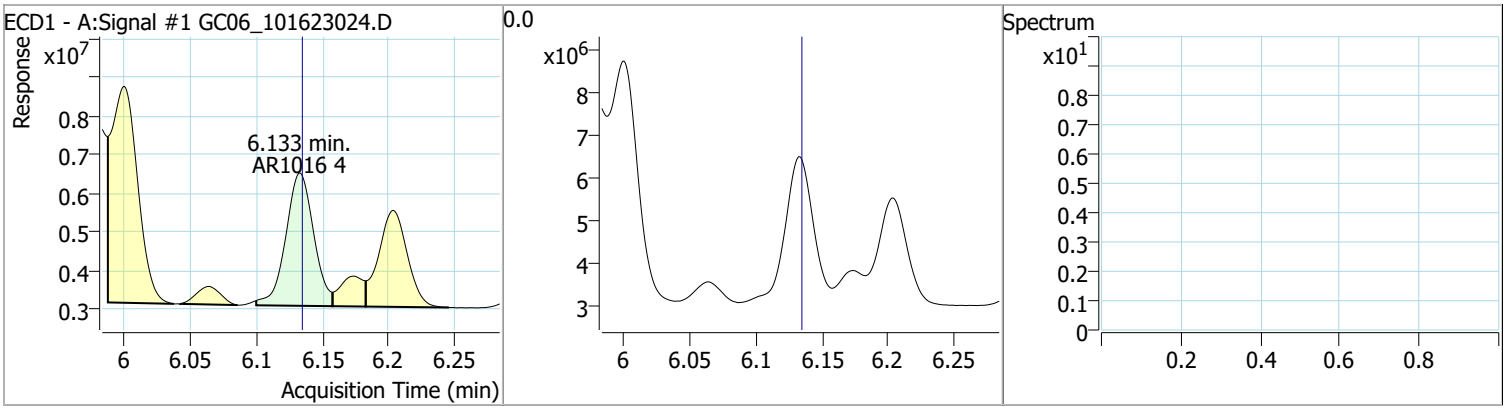
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	843.4553	6.00	0.00	7942279 (m)				



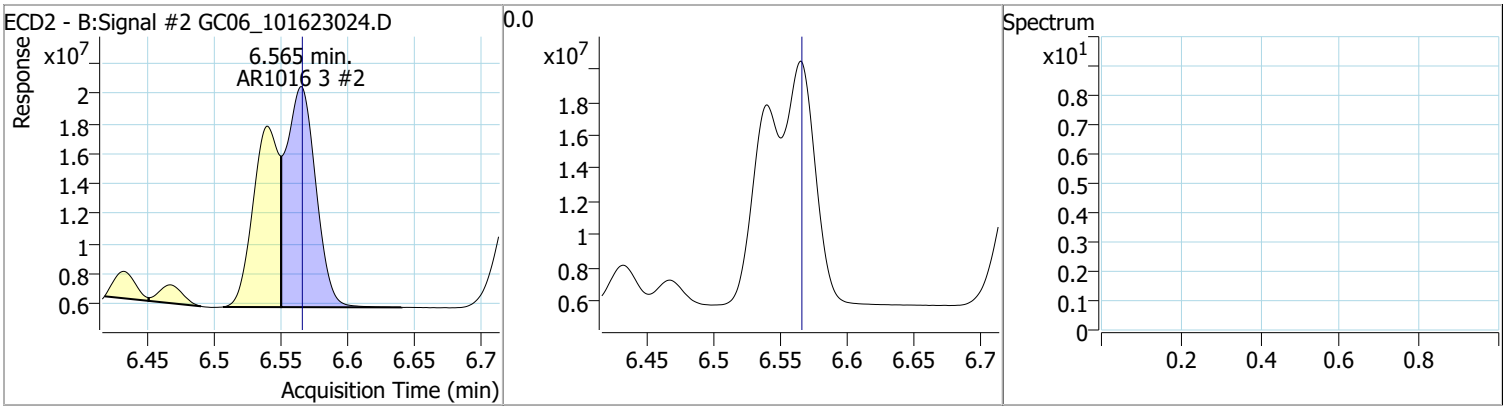
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	911.4501	6.05	0.00	17211636				



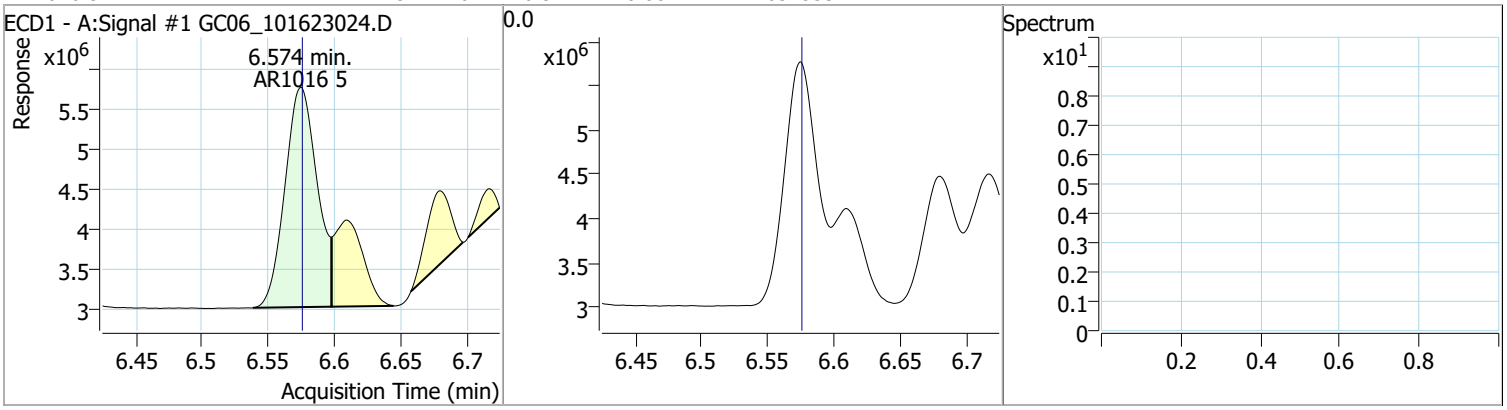
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	851.6015	6.13	0.00	5024459				



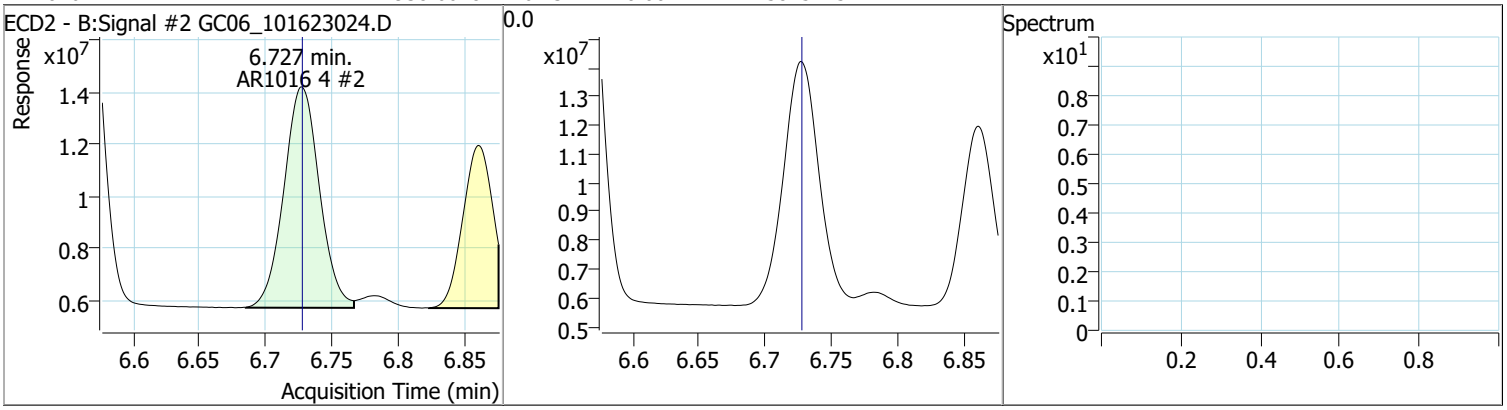
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	905.1461	6.57	0.00	22744613				



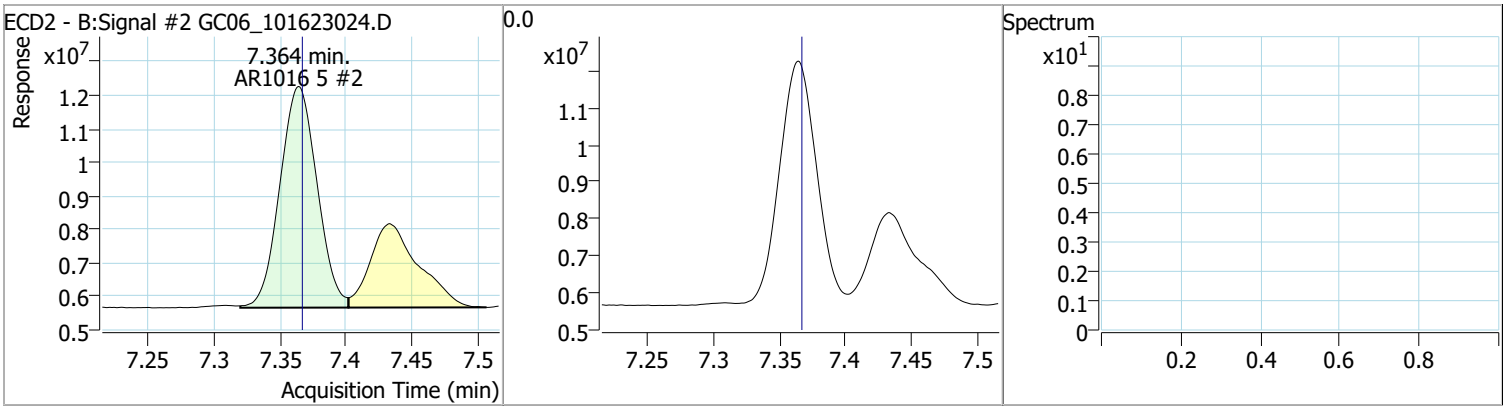
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	877.2467	6.57	0.00	4657553				



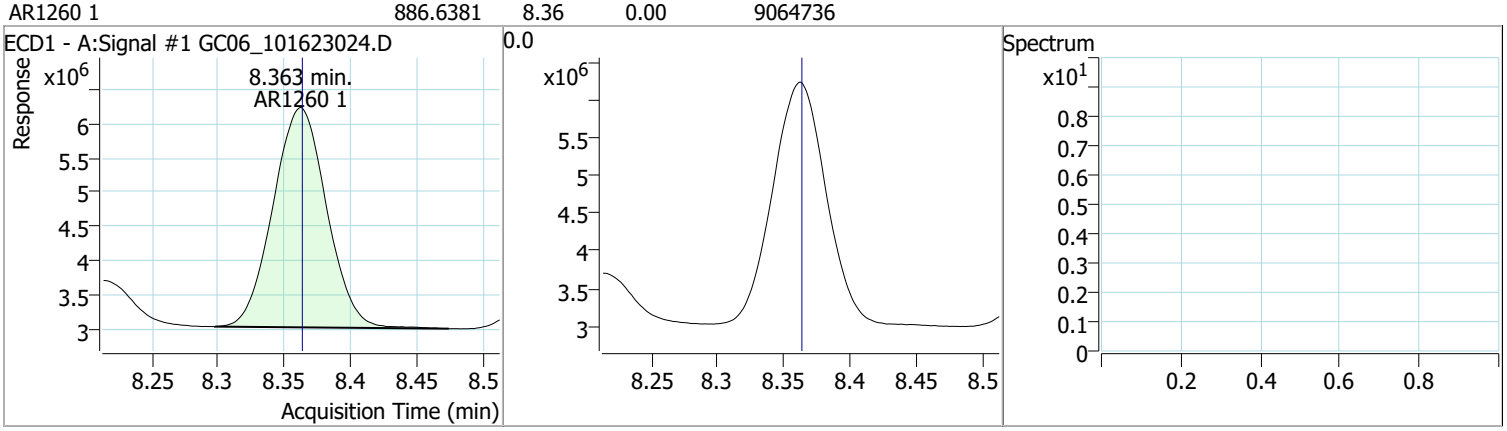
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	938.6648	6.73	0.00	15845225				



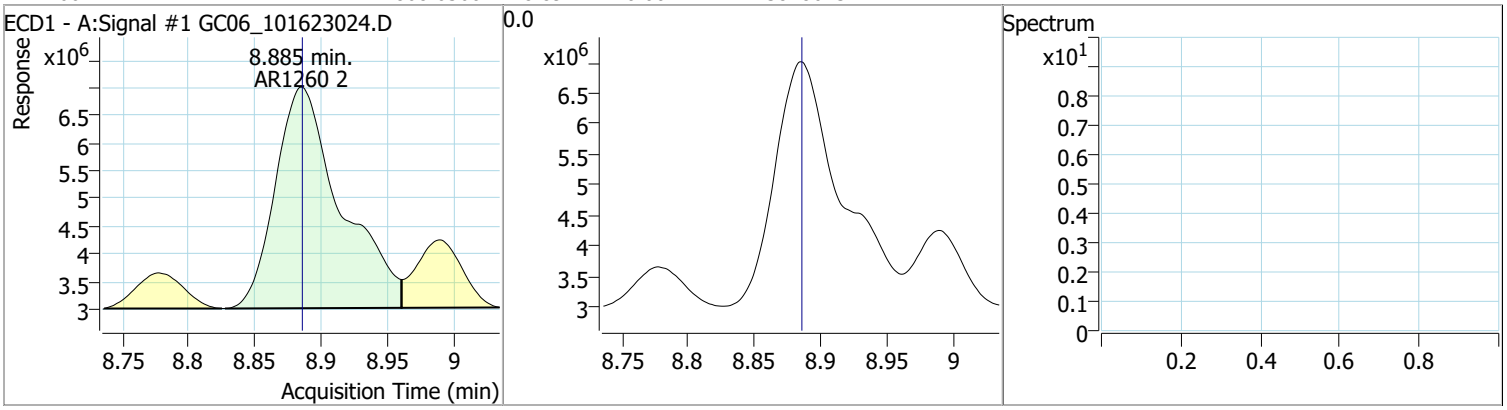
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	924.9723	7.36	0.00	12899550				



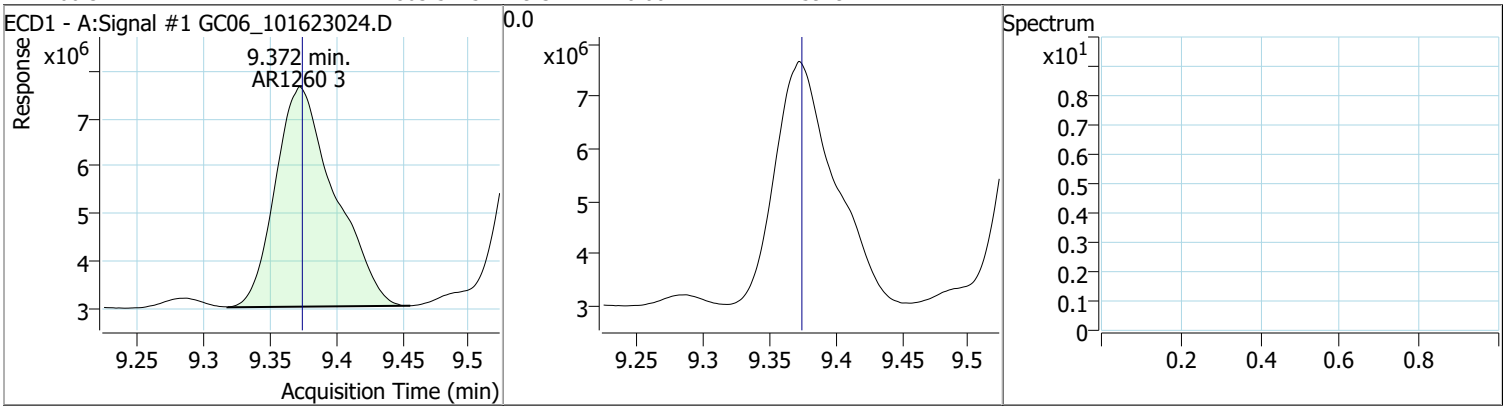
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	886.6381	8.36	0.00	9064736				



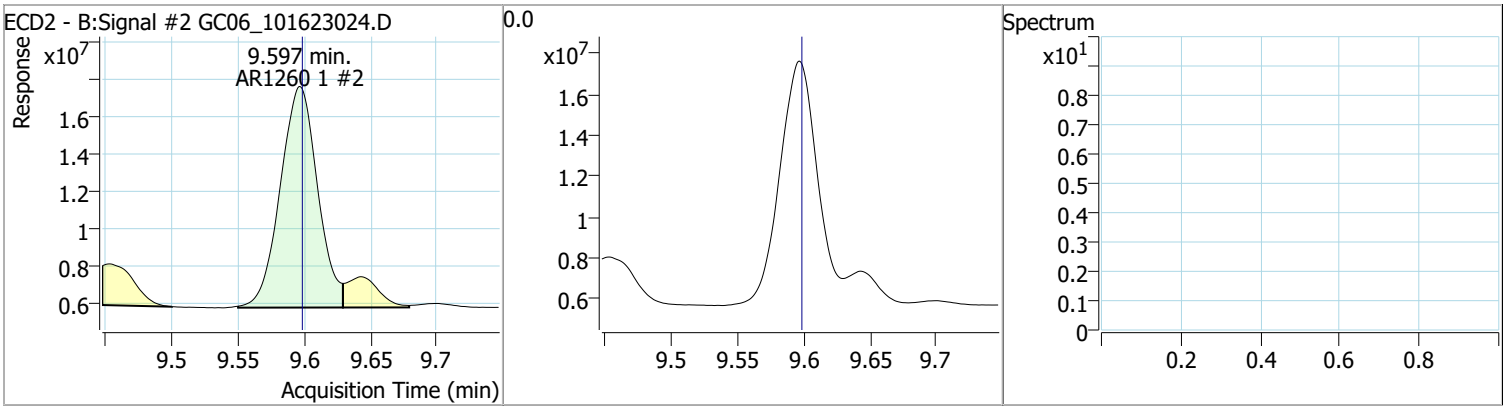
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	868.0360	8.89	0.00	13828623				



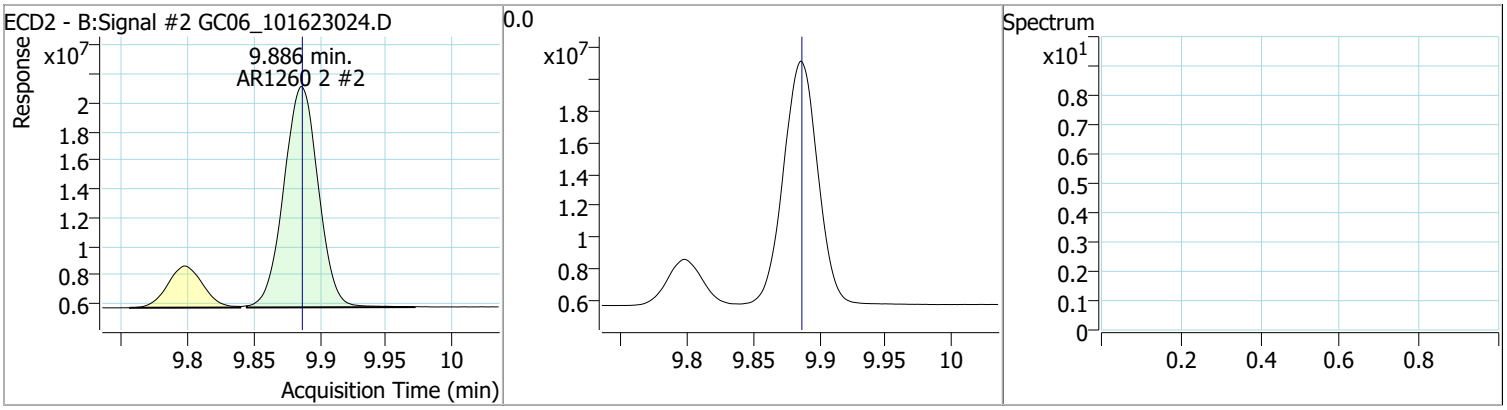
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	863.5475	9.37	0.00	14445919				



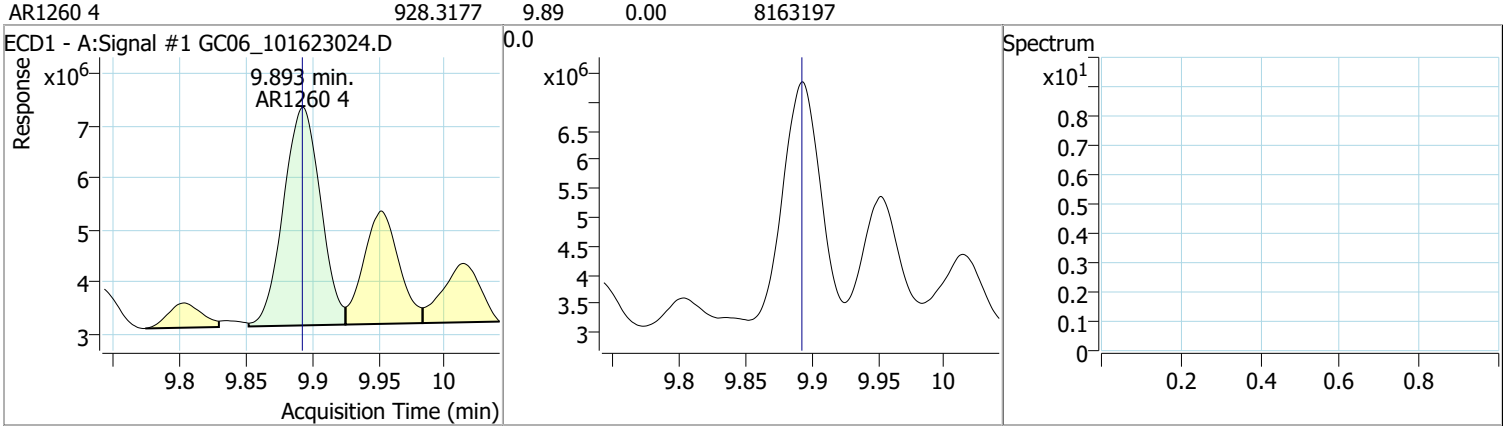
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	903.1052	9.60	0.00	23397170				



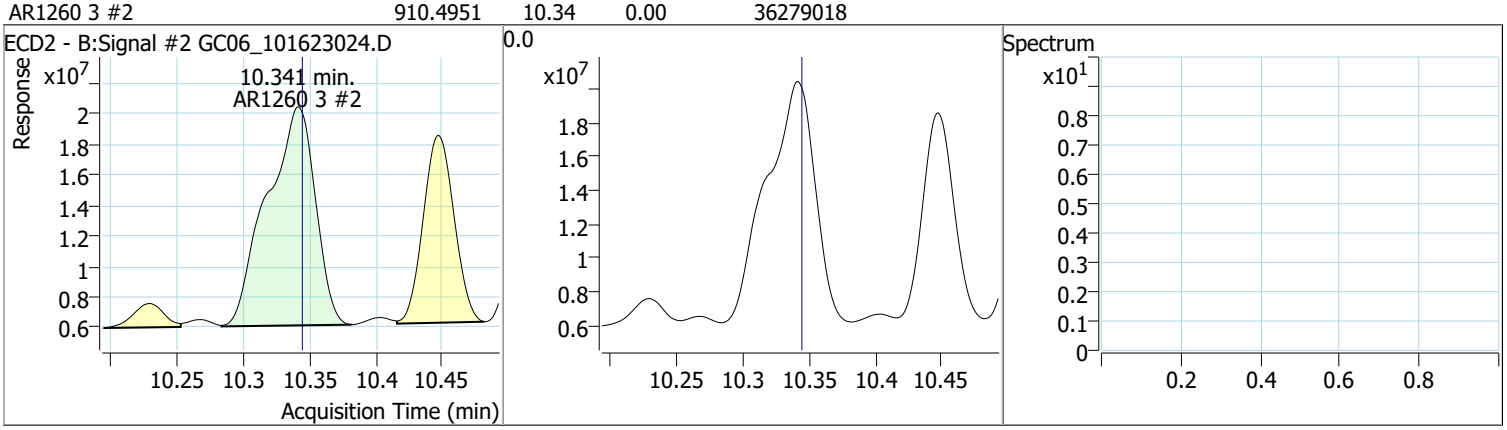
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	893.5500	9.89	0.00	27930034				



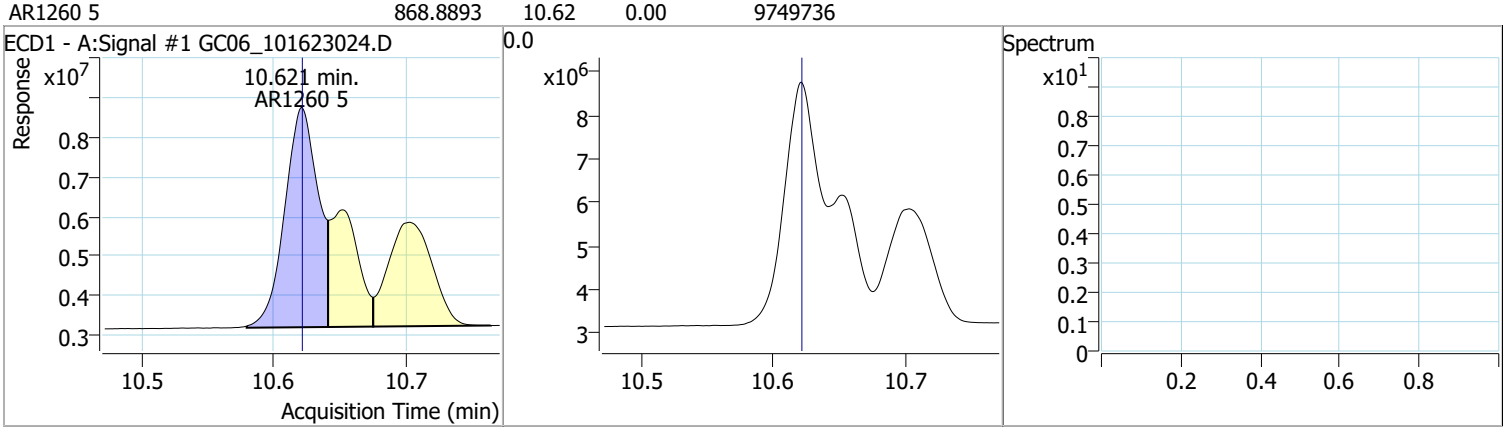
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	928.3177	9.89	0.00	8163197				



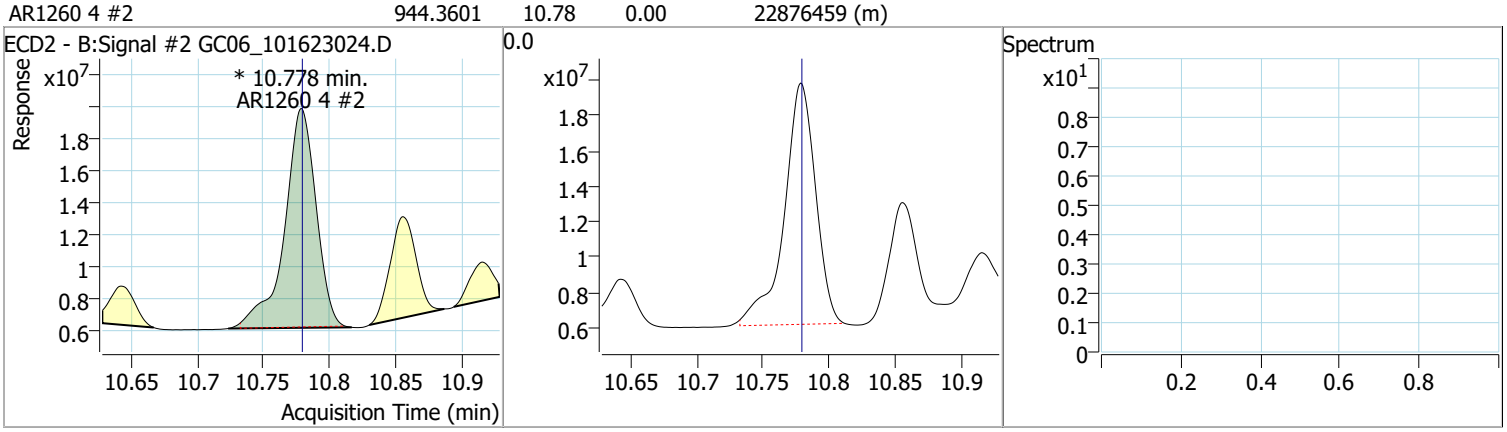
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	910.4951	10.34	0.00	36279018				



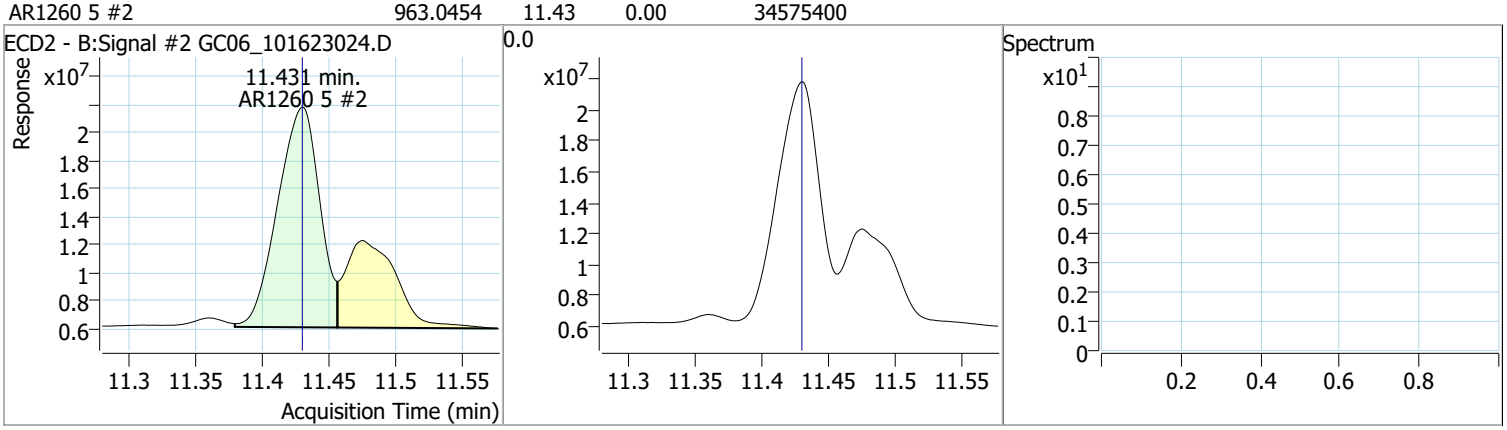
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	868.8893	10.62	0.00	9749736				



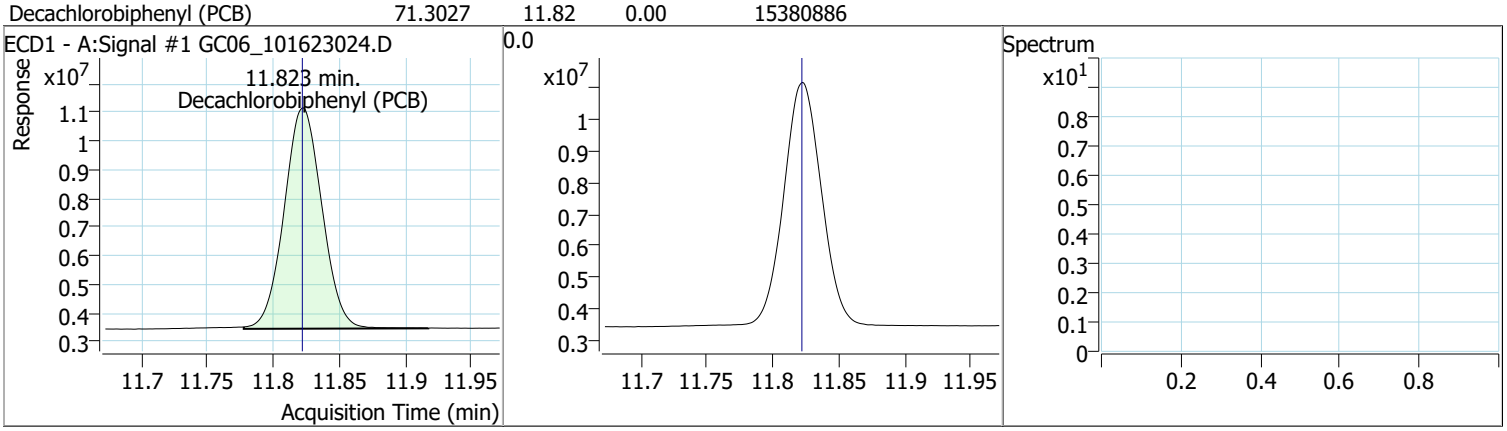
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	944.3601	10.78	0.00	22876459 (m)				



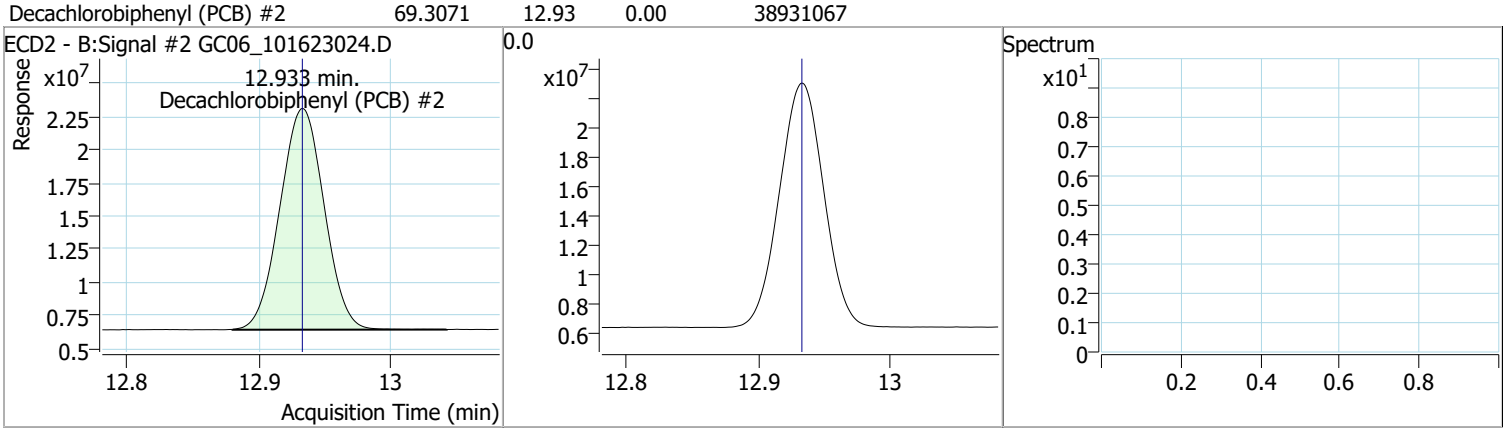
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	963.0454	11.43	0.00	34575400				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.3027	11.82	0.00	15380886				

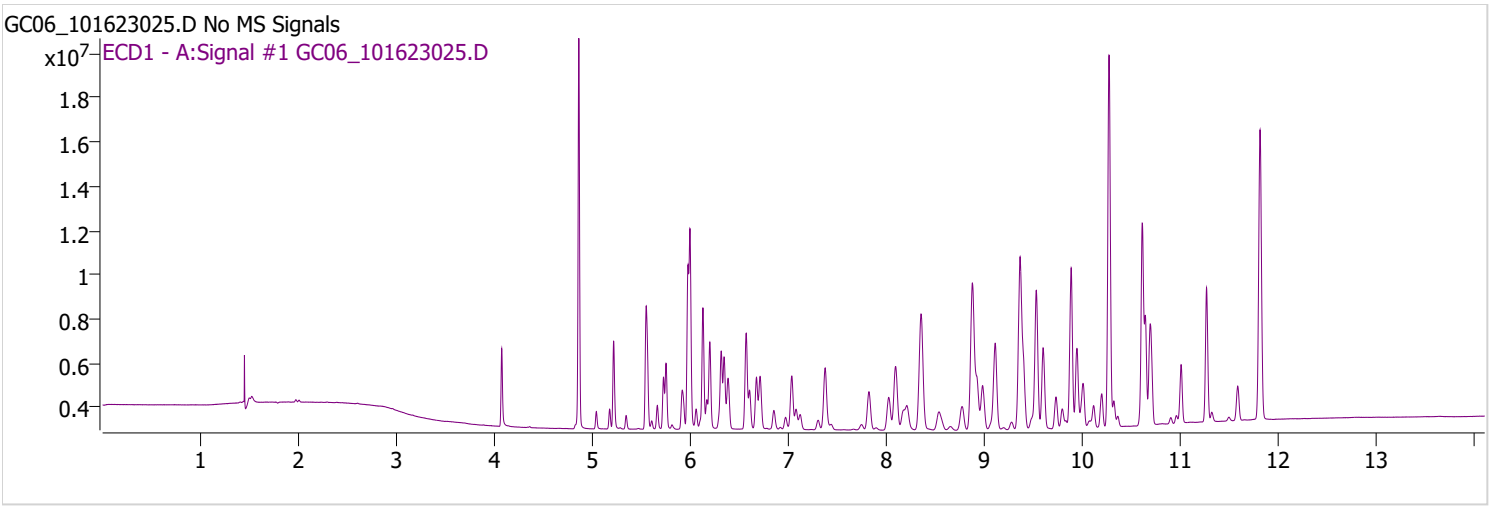


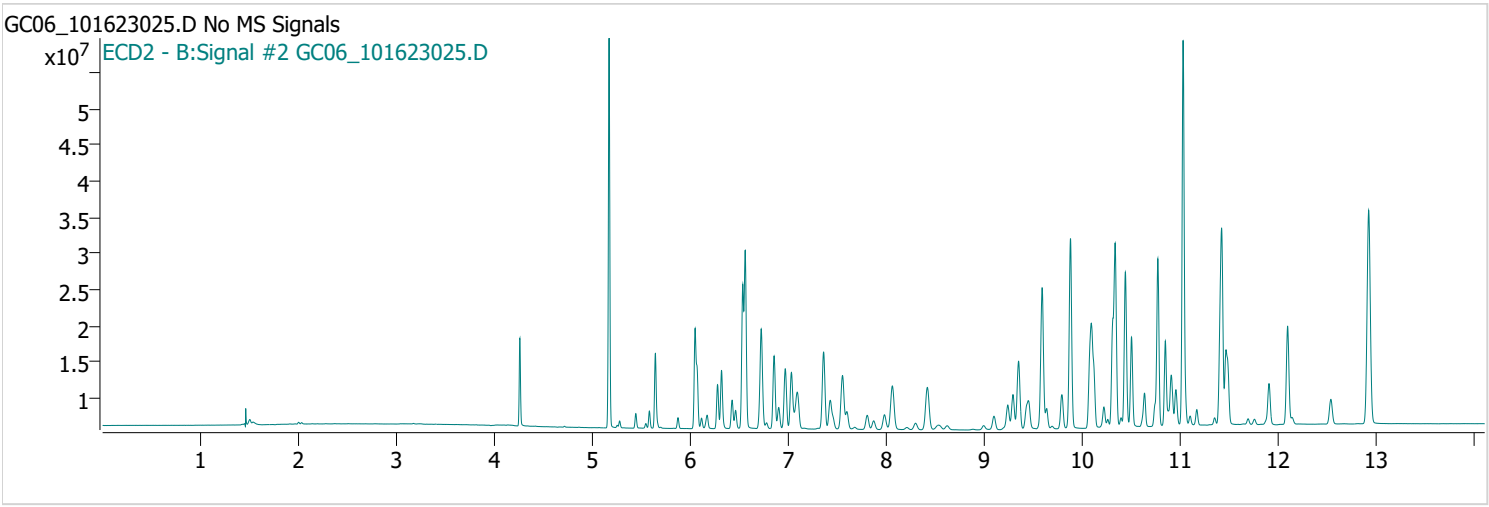
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	69.3071	12.93	0.00	38931067				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623025.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 4:39:48 PM
Sample Name	ICAL, S18462	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



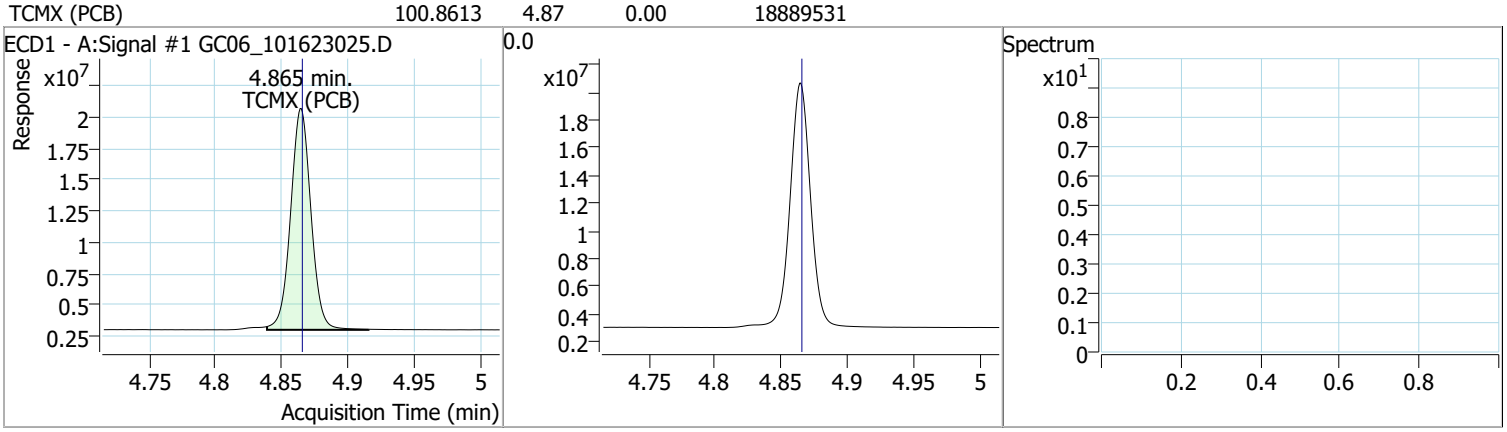


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3764152.016	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10982727.055	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.865	0.0	18889530.746	100.8613	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 504.31%		*	
S TCMX (PCB) #2	5.173	0.0	54967422.200	106.4723	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 532.36%		*	
S Decachlorobiphenyl (PCB)	11.823	0.0	25963969.663	108.1294	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 540.65%		*	
S Decachlorobiphenyl (PCB) #2	12.932	0.0	68549921.853	108.7342	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 543.67%		*	
Target Compounds							QValue

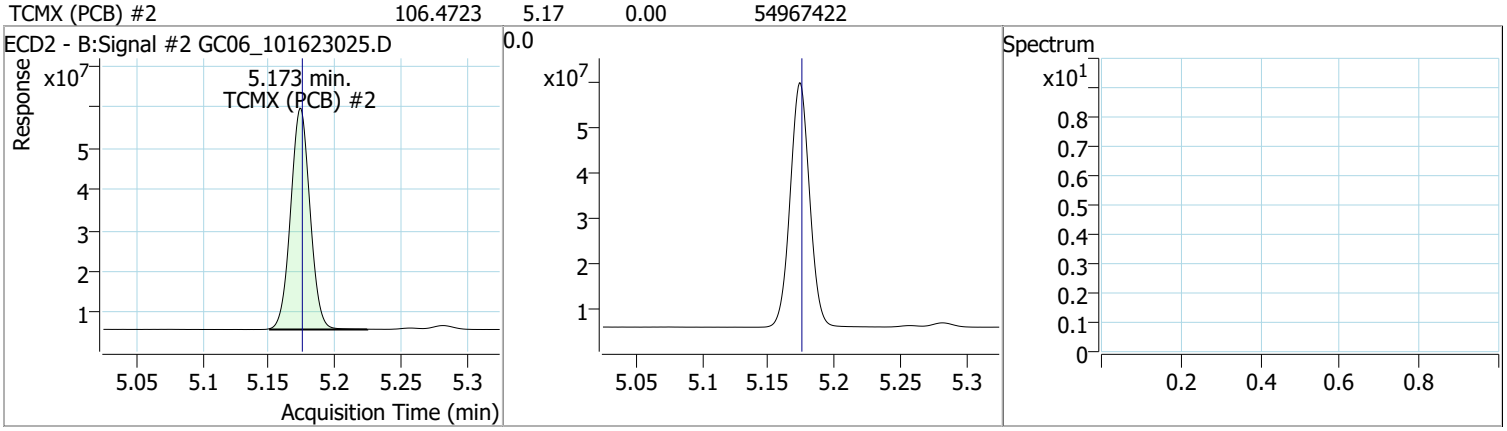
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.220	0.0	4991435.731	1221.7617	ng/ml		100
T AR1016 2	5.553	0.0	9694078.219	1182.2204	ng/ml		100
T AR1016 1 #2	5.647	0.0	12998941.002	1279.9751	ng/ml		100
T AR1016 3	5.999	0.0	13010271.041	1241.2270	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	27518656.537	1298.4211	ng/ml		100
T AR1016 4	6.132	0.0	7908112.574	1204.1148	ng/ml		100
T AR1016 3 #2	6.564	0.0	36983724.594	1311.3795	ng/ml		100
T AR1016 5	6.574	0.0	7361010.493	1245.5159	ng/ml		100
T AR1016 4 #2	6.728	0.0	25515362.530	1346.7639	ng/ml		100
T AR1016 5 #2	7.365	0.0	20861970.873	1332.8679	ng/ml		100
T AR1260 1	8.360	0.0	14206952.199	1248.3605	ng/ml		100
T AR1260 2	8.884	0.0	22152742.278	1249.2065	ng/ml		100
T AR1260 3	9.372	0.0	23530030.325	1263.6054	ng/ml		100
T AR1260 1 #2	9.597	0.0	38489220.878	1323.7066	ng/ml		100
T AR1260 2 #2	9.886	0.0	46551606.096	1326.9657	ng/ml		100
T AR1260 4	9.893	0.0	13289458.386	1357.6616	ng/ml		100
T AR1260 3 #2	10.343	0.0	61619653.593	1377.9040	ng/ml		100
T AR1260 5	10.619	0.0	16717409.090	1338.4078	ng/ml		100
T AR1260 4 #2	10.778	0.0	39244461.700	1443.4602	ng/ml	m	100
T AR1260 5 #2	11.430	0.0	58791941.008	1459.0661	ng/ml		100

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

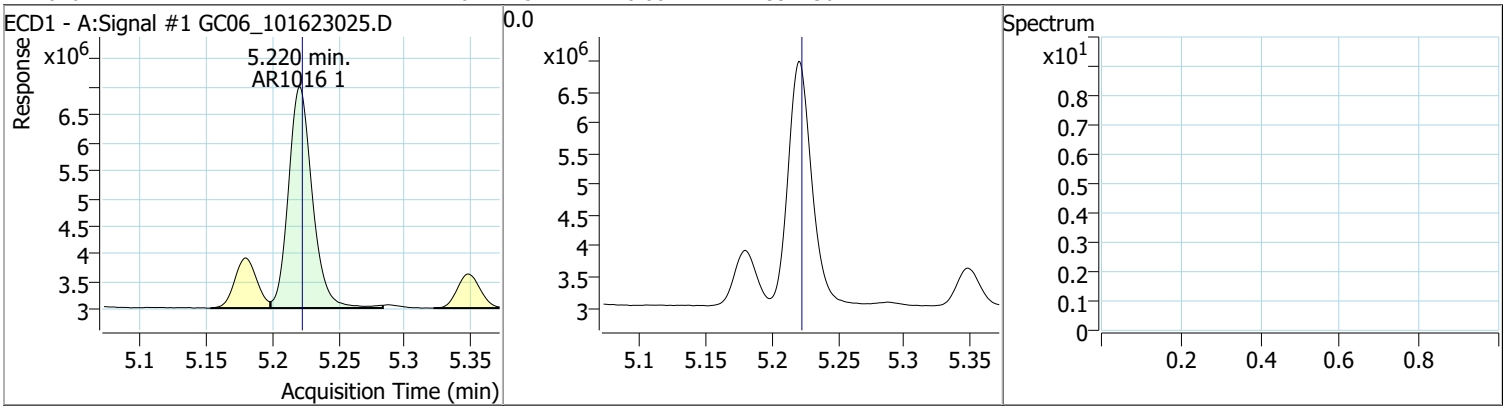
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	100.8613	4.87	0.00	18889531				



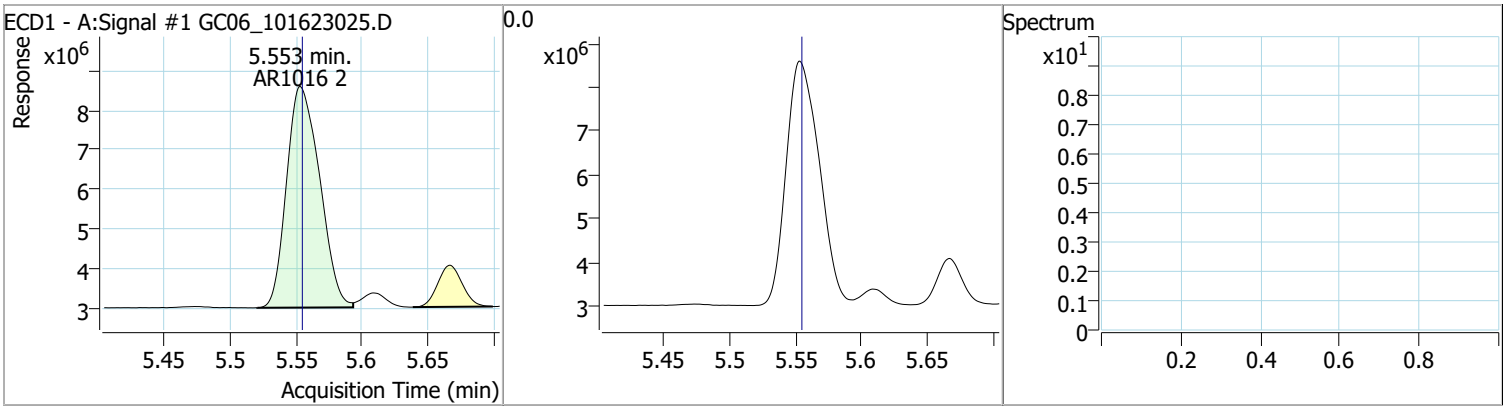
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	106.4723	5.17	0.00	54967422				



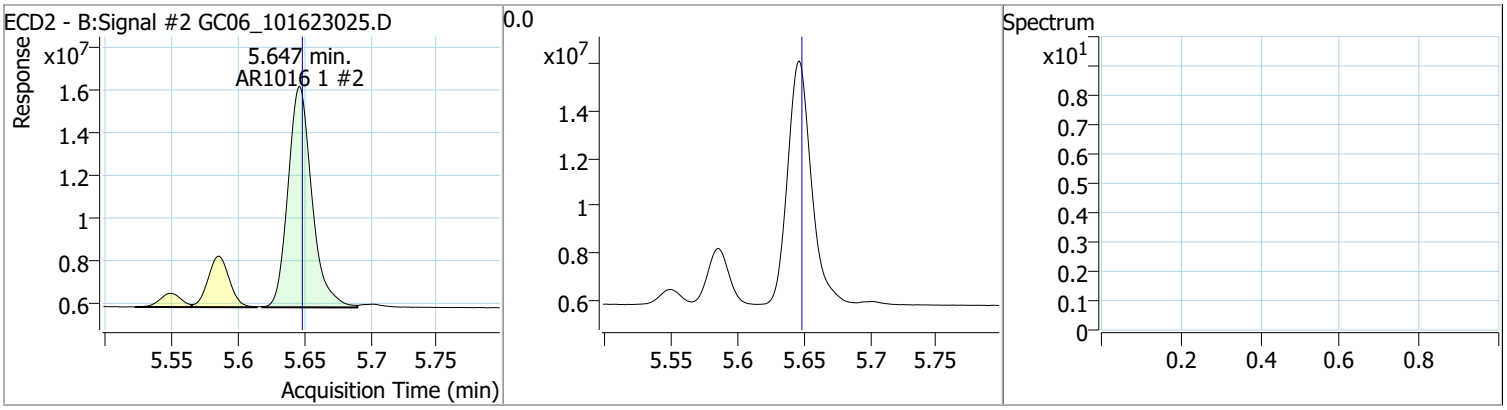
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1221.7617	5.22	0.00	4991436				



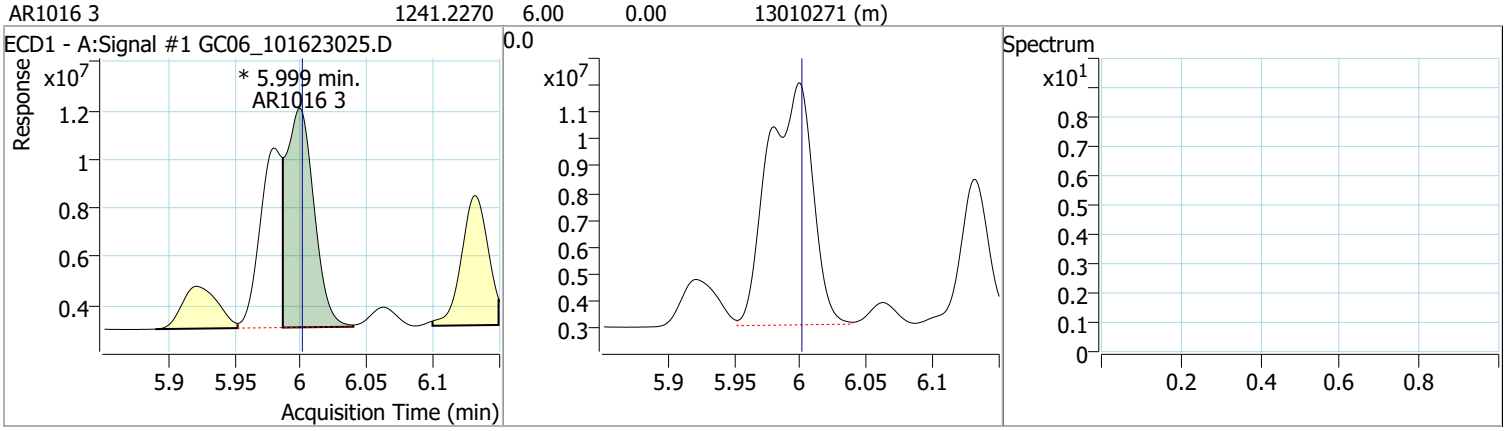
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1182.2204	5.55	0.00	9694078				



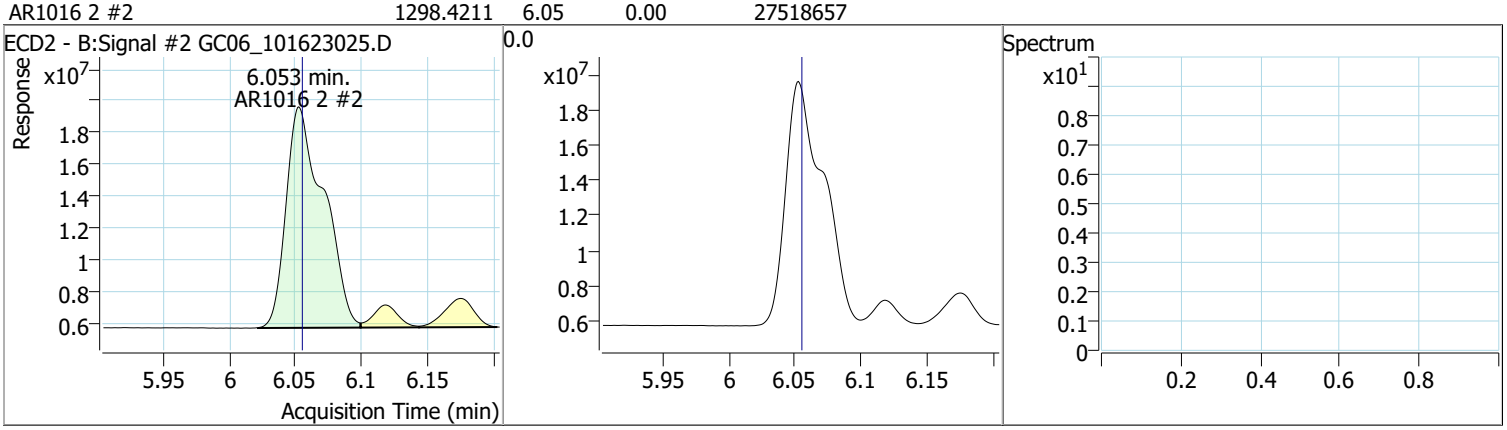
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1279.9751	5.65	0.00	12998941				



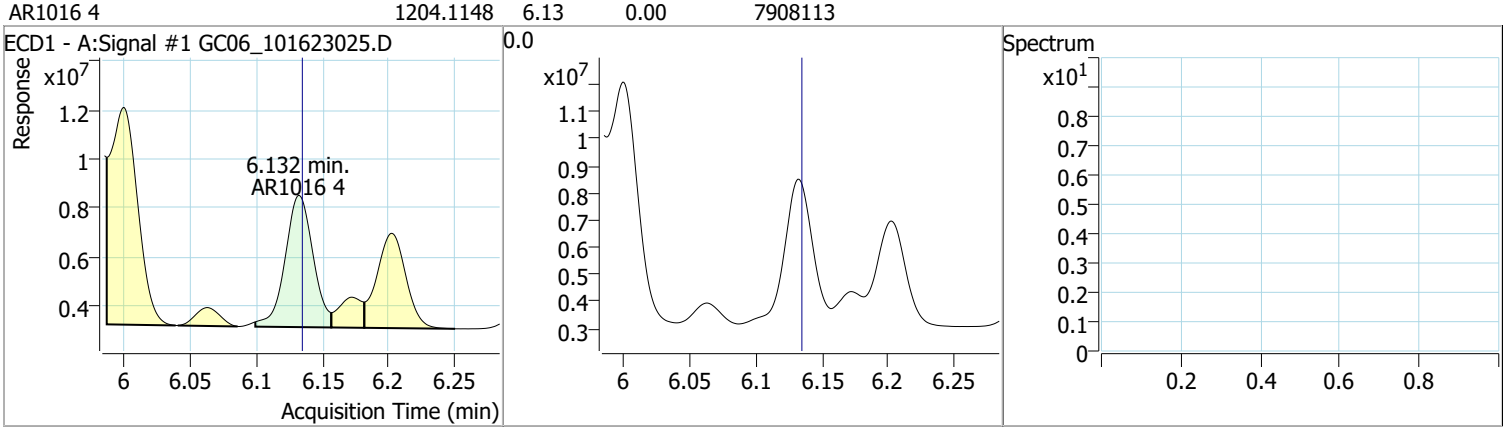
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1241.2270	6.00	0.00	13010271 (m)				



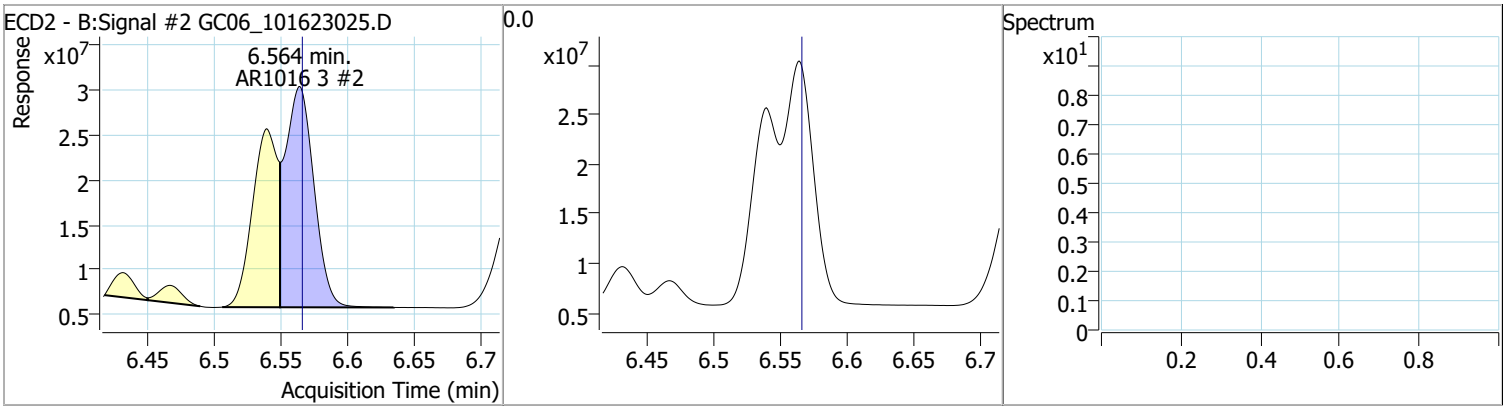
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1298.4211	6.05	0.00	27518657				



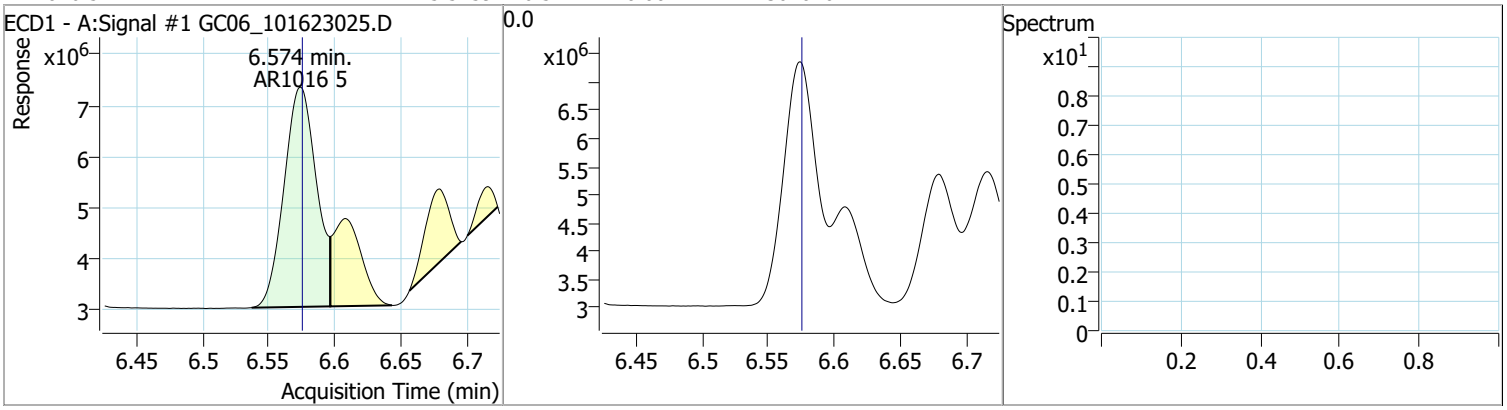
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1204.1148	6.13	0.00	7908113				



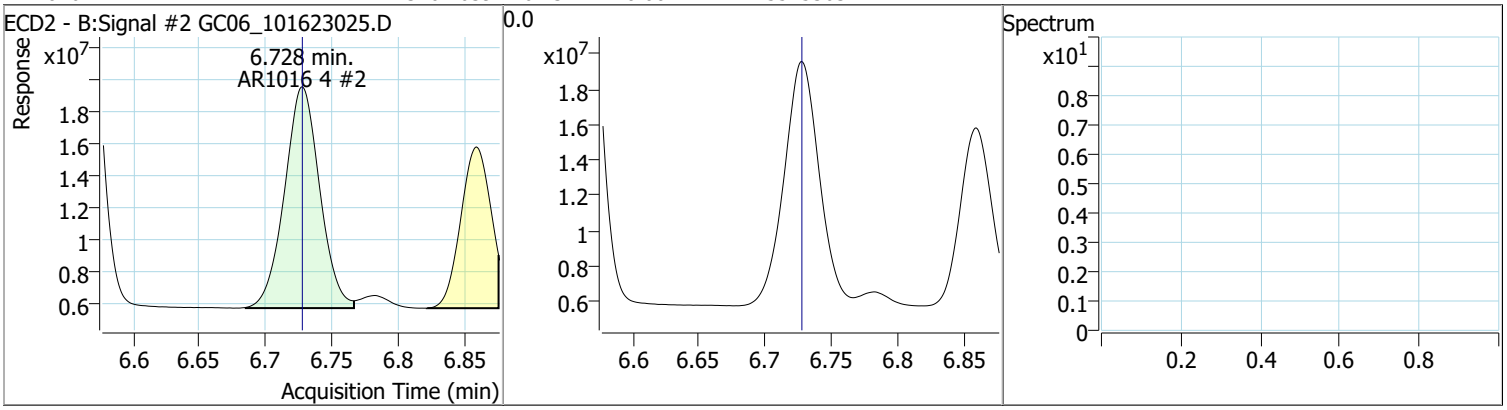
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1311.3795	6.56	0.00	36983725				



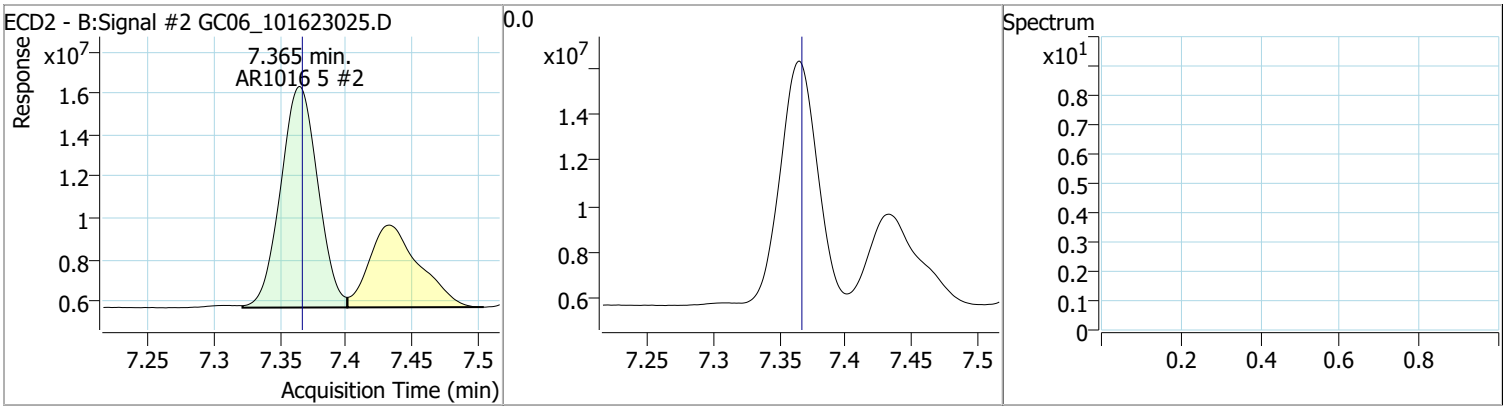
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1245.5159	6.57	0.00	7361010				



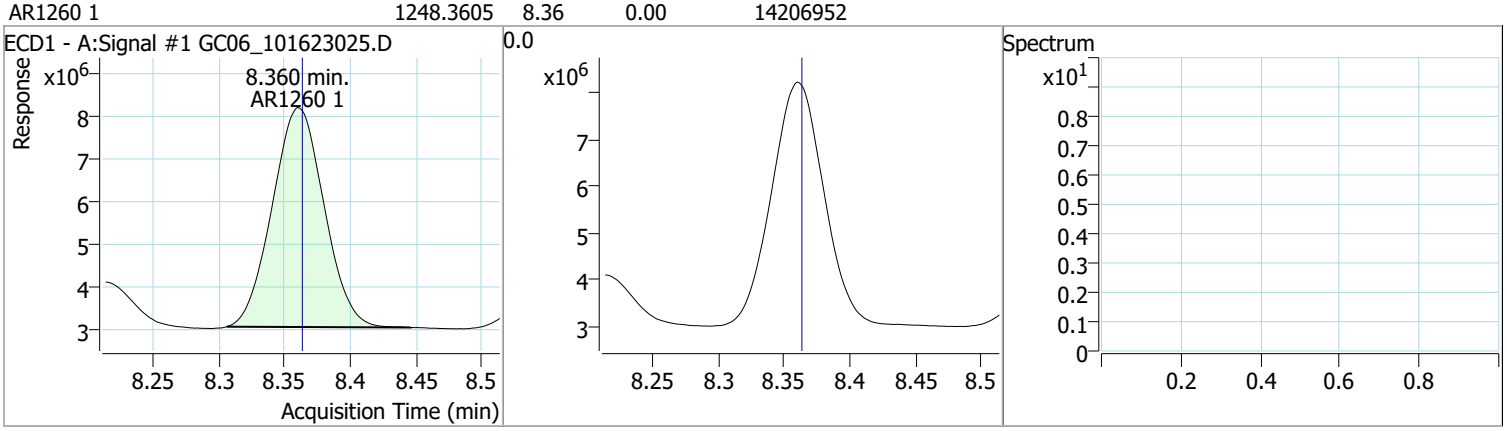
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1346.7639	6.73	0.00	25515363				



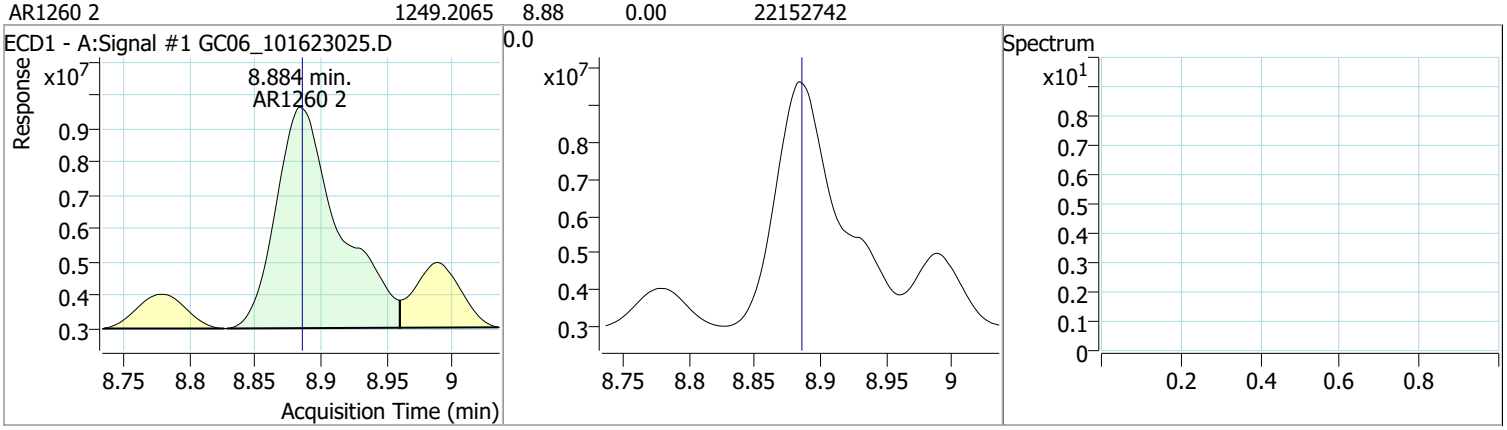
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1332.8679	7.37	0.00	20861971				



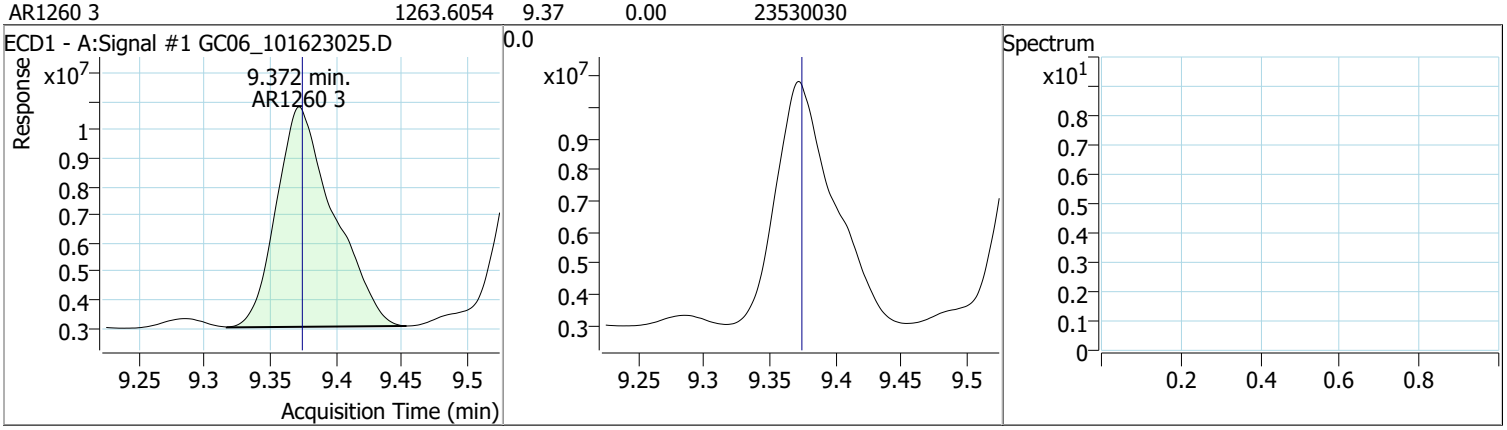
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1248.3605	8.36	0.00	14206952				



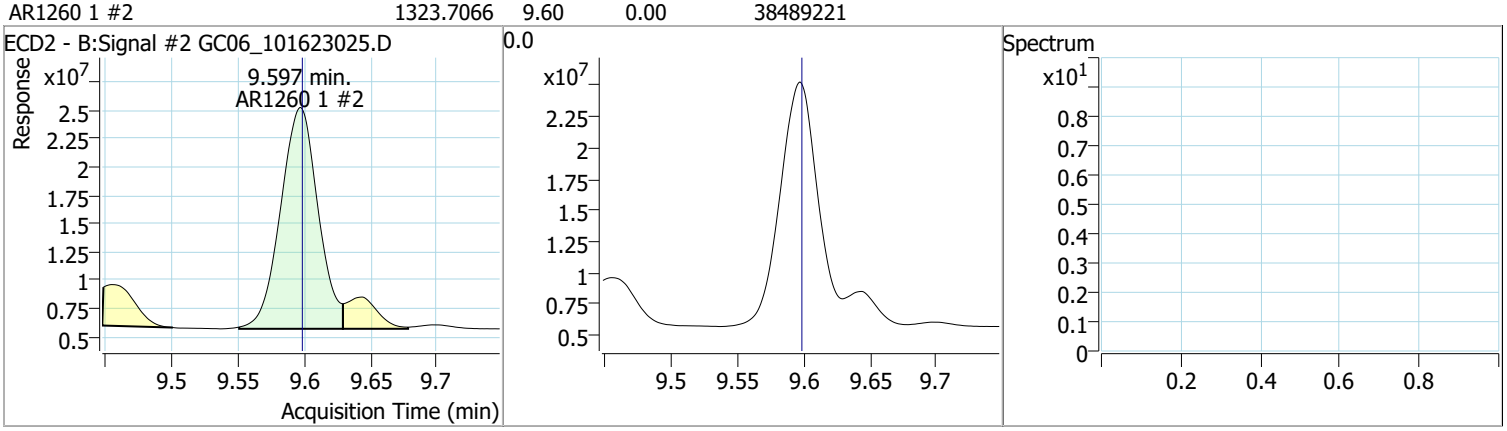
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1249.2065	8.88	0.00	22152742				



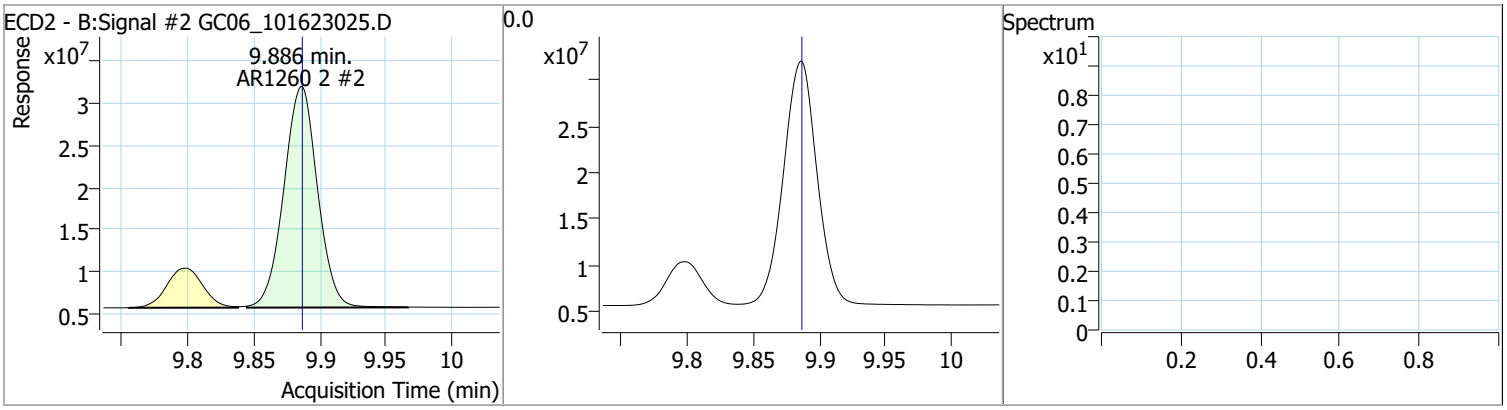
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1263.6054	9.37	0.00	23530030				



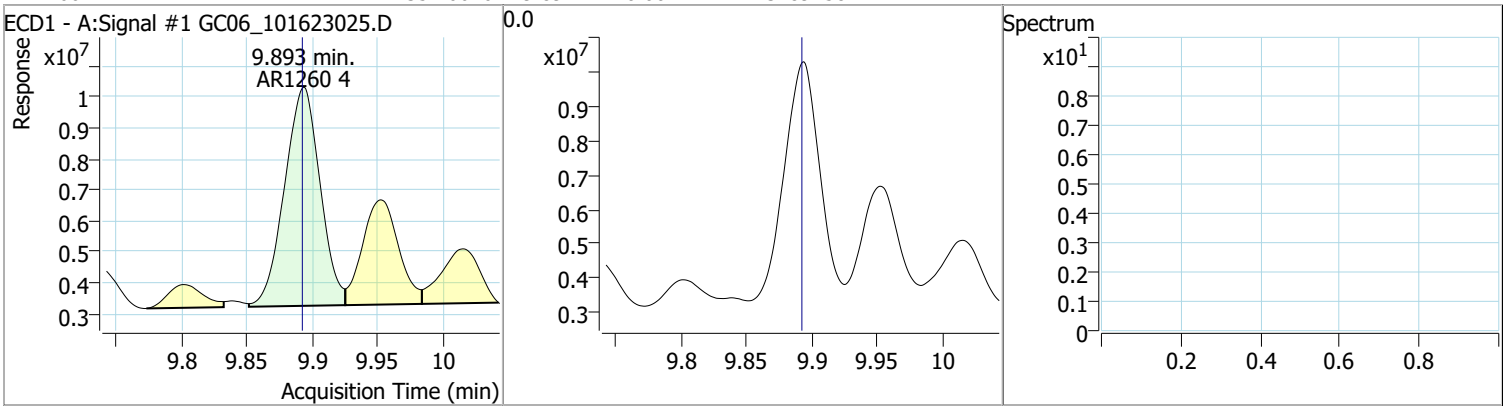
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1323.7066	9.60	0.00	38489221				



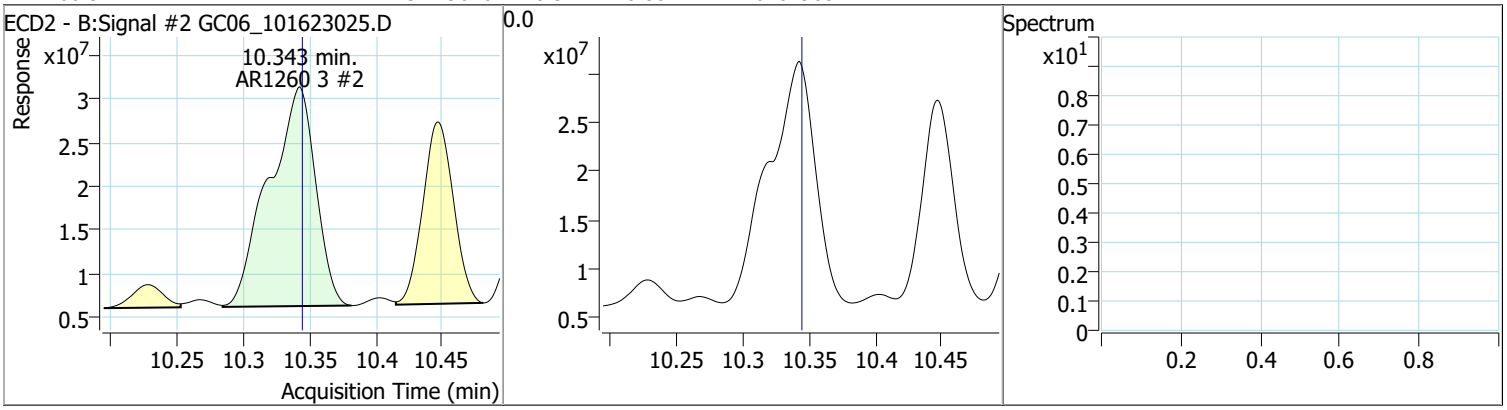
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1326.9657	9.89	0.00	46551606				



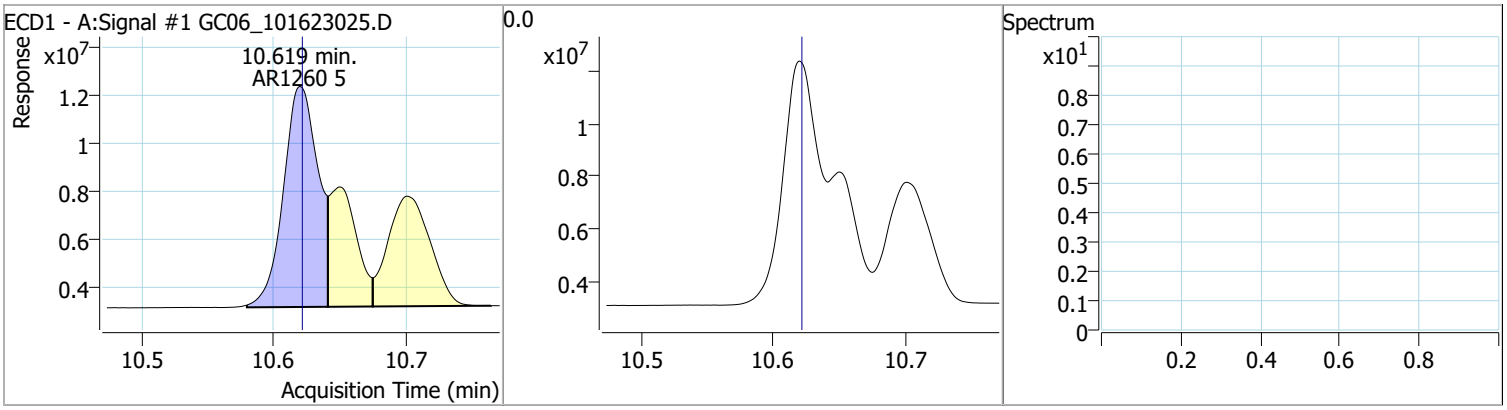
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1357.6616	9.89	0.00	13289458				



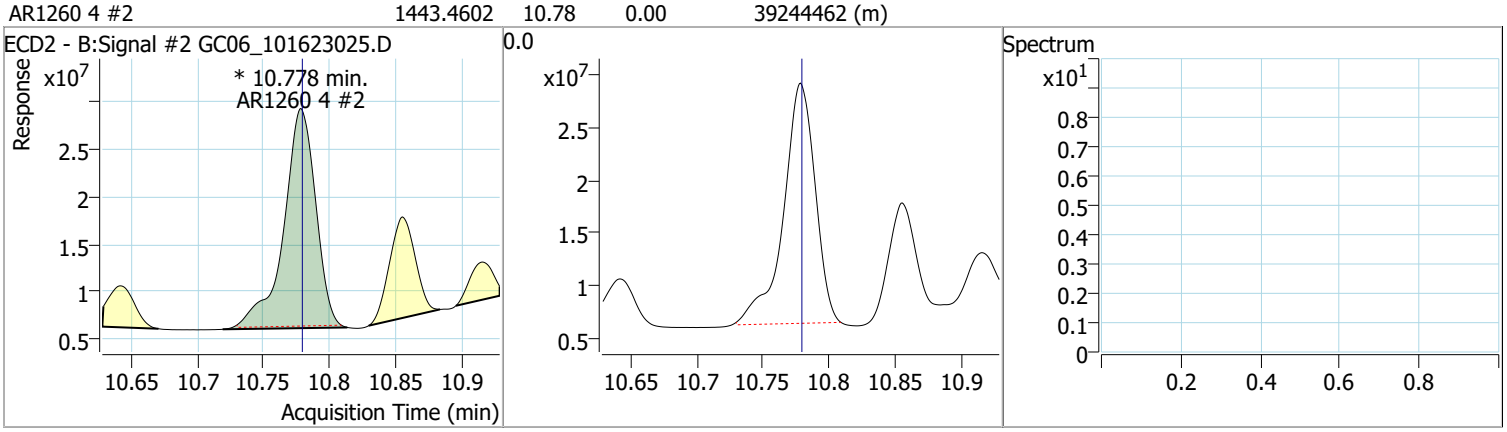
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1377.9040	10.34	0.00	61619654				



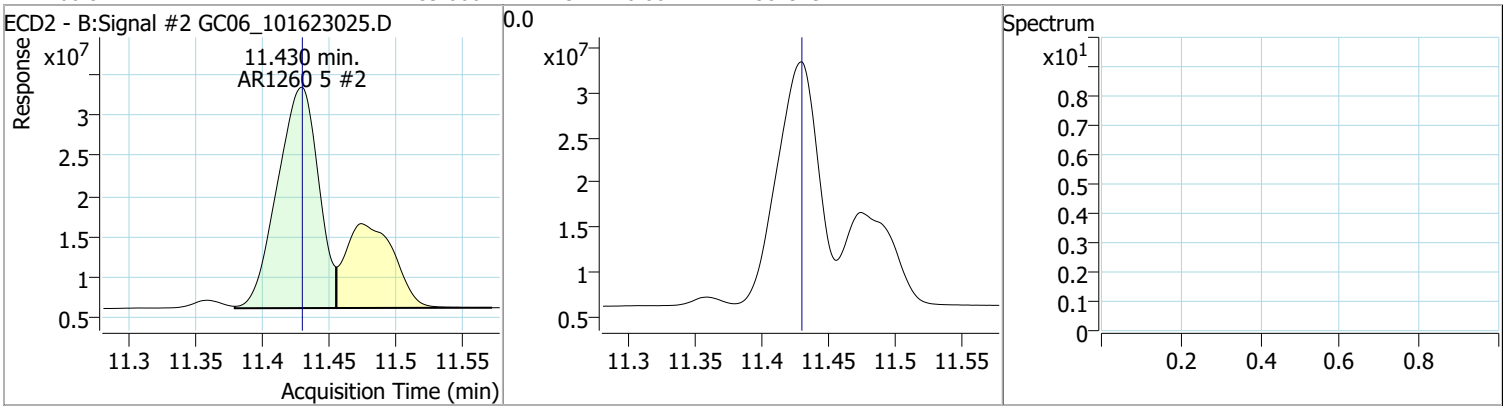
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1338.4078	10.62	0.00	16717409				



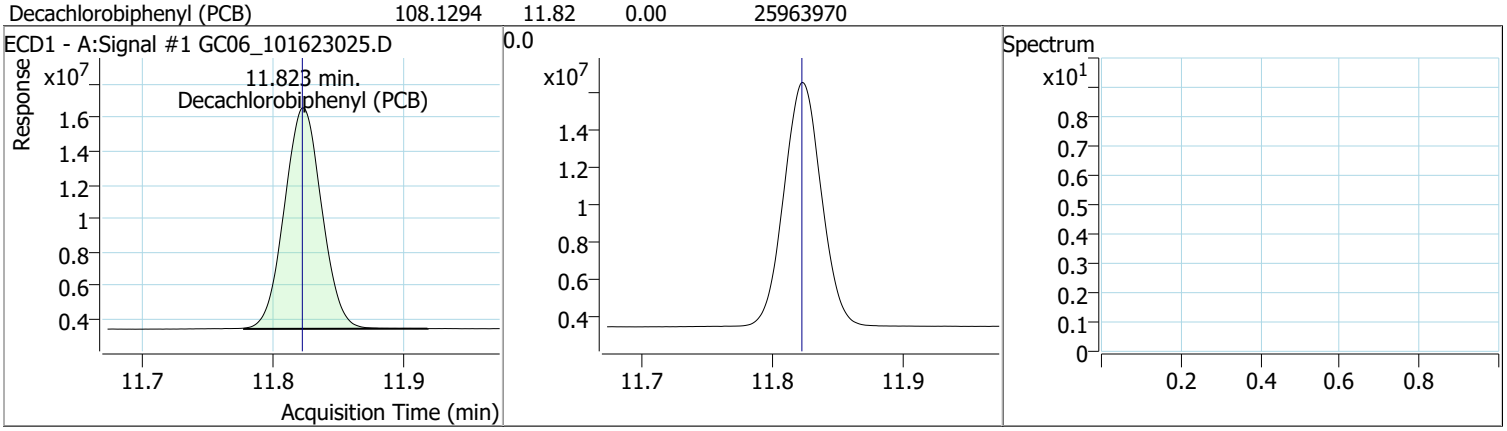
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1443.4602	10.78	0.00	39244462 (m)				



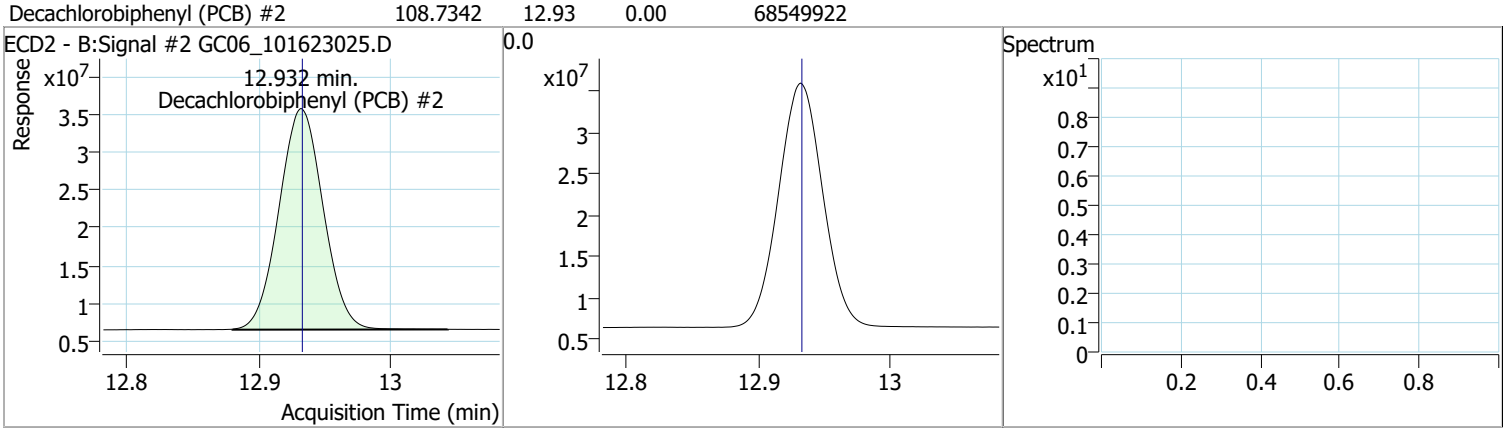
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1459.0661	11.43	0.00	58791941				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	108.1294	11.82	0.00	25963970				

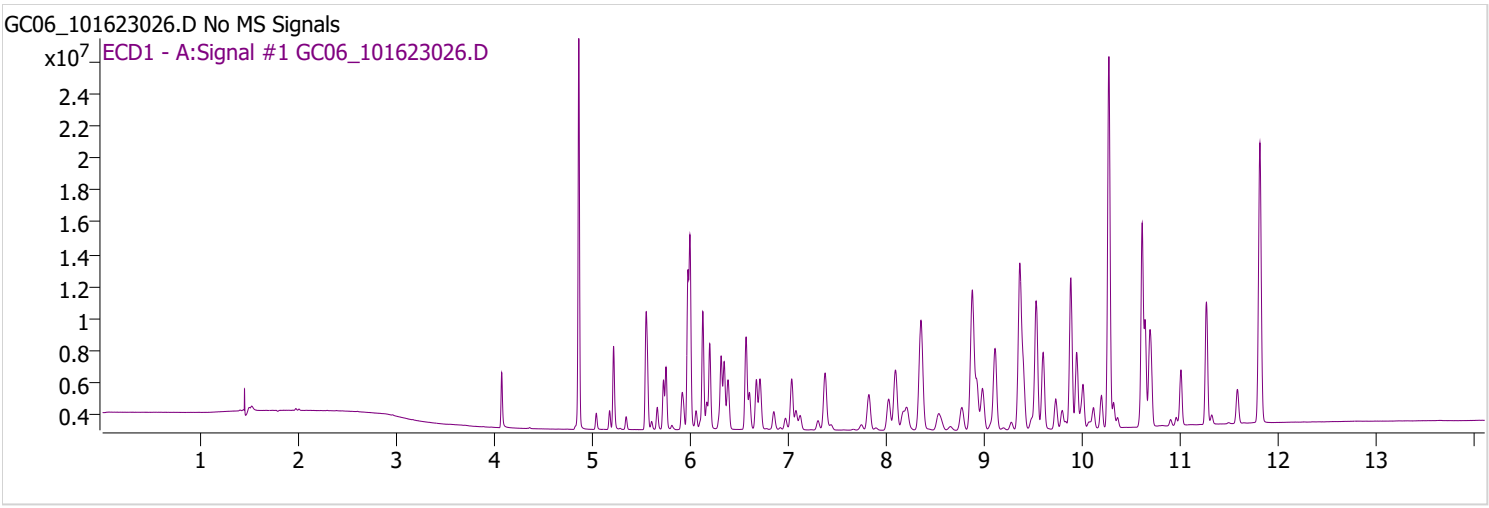


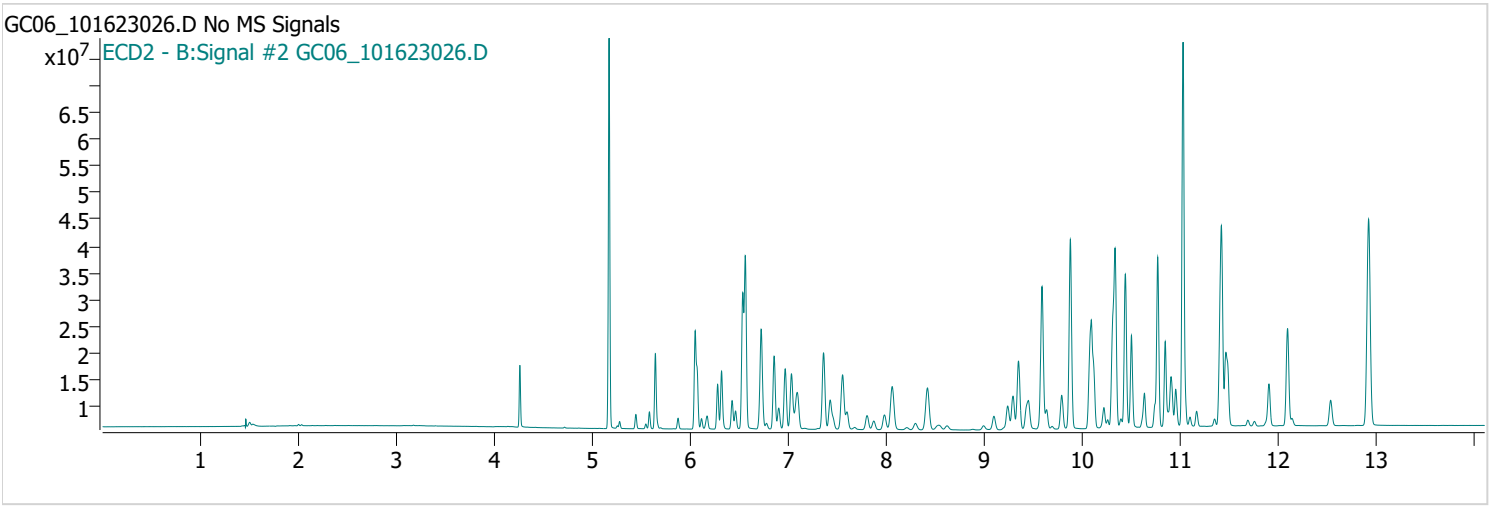
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	108.7342	12.93	0.00	68549922				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623026.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 4:58:44 PM
Sample Name	ICAL, S18463	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:17:28 PM
Ref Library			



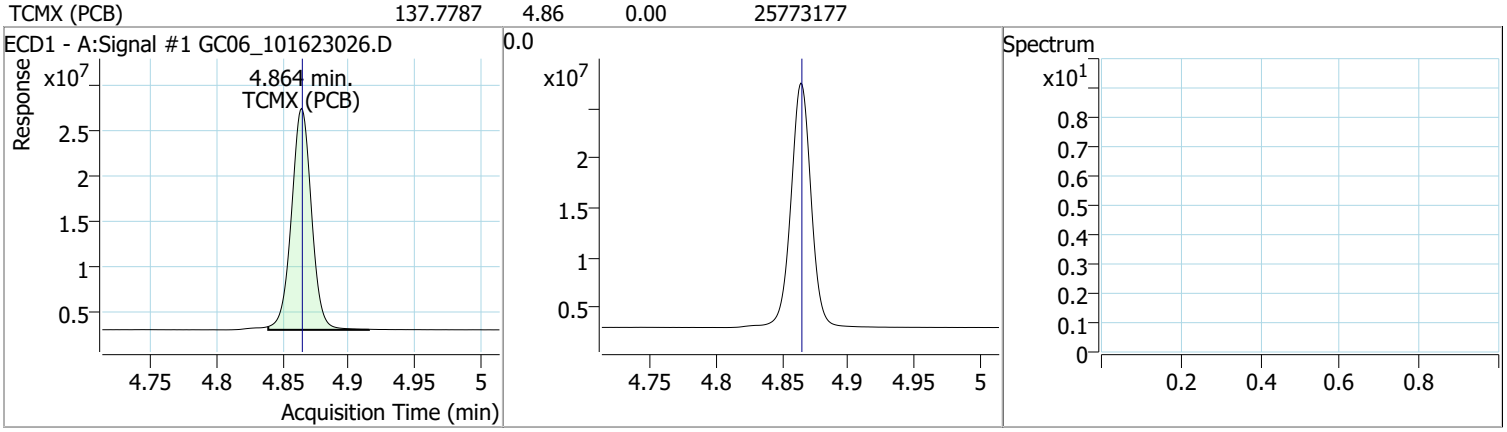


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.077	0.0	3759729.495	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10864418.077	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.864	0.0	25773177.479	137.7787	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 688.89%		*	
S TCMX (PCB) #2	5.173	0.0	75810608.559	148.4449	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 742.22%		*	
S Decachlorobiphenyl (PCB)	11.822	0.0	34101940.651	142.1878	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 710.94%		*	
S Decachlorobiphenyl (PCB) #2	12.932	0.0	90752207.606	145.5192	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 727.60%		*	
Target Compounds							QValue

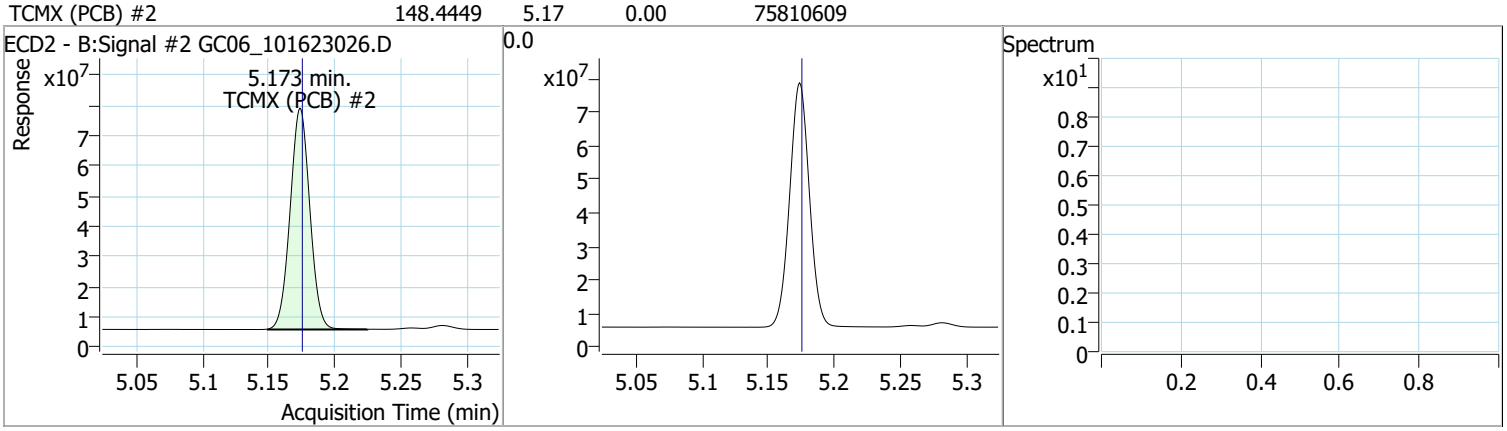
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.219	0.0	6536430.724	1601.8146	ng/ml		100
T AR1016 2	5.553	0.0	12752951.764	1557.0882	ng/ml		100
T AR1016 1 #2	5.646	0.0	17493130.095	1741.2648	ng/ml		100
T AR1016 3	5.999	0.0	17101033.054	1633.4196	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	36618475.571	1746.5955	ng/ml		100
T AR1016 4	6.131	0.0	10423831.597	1589.0333	ng/ml		100
T AR1016 3 #2	6.564	0.0	50736187.369	1818.6088	ng/ml		100
T AR1016 5	6.573	0.0	9717842.065	1646.2365	ng/ml		100
T AR1016 4 #2	6.727	0.0	34044576.789	1816.5250	ng/ml		100
T AR1016 5 #2	7.364	0.0	27856849.707	1799.1505	ng/ml		100
T AR1260 1	8.359	0.0	19135040.019	1683.3679	ng/ml		100
T AR1260 2	8.884	0.0	29256060.445	1651.7075	ng/ml		100
T AR1260 3	9.369	0.0	31287994.643	1682.1986	ng/ml		100
T AR1260 1 #2	9.596	0.0	51983776.928	1807.2746	ng/ml		100
T AR1260 2 #2	9.885	0.0	62874731.550	1811.7776	ng/ml		100
T AR1260 4	9.890	0.0	17733874.441	1813.8377	ng/ml		100
T AR1260 3 #2	10.342	0.0	84184543.421	1902.9868	ng/ml		100
T AR1260 5	10.619	0.0	22762007.090	1824.4863	ng/ml		100
T AR1260 4 #2	10.778	0.0	53907732.850	2004.3854	ng/ml	m	100
T AR1260 5 #2	11.428	0.0	80622117.711	2022.6236	ng/ml		100

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

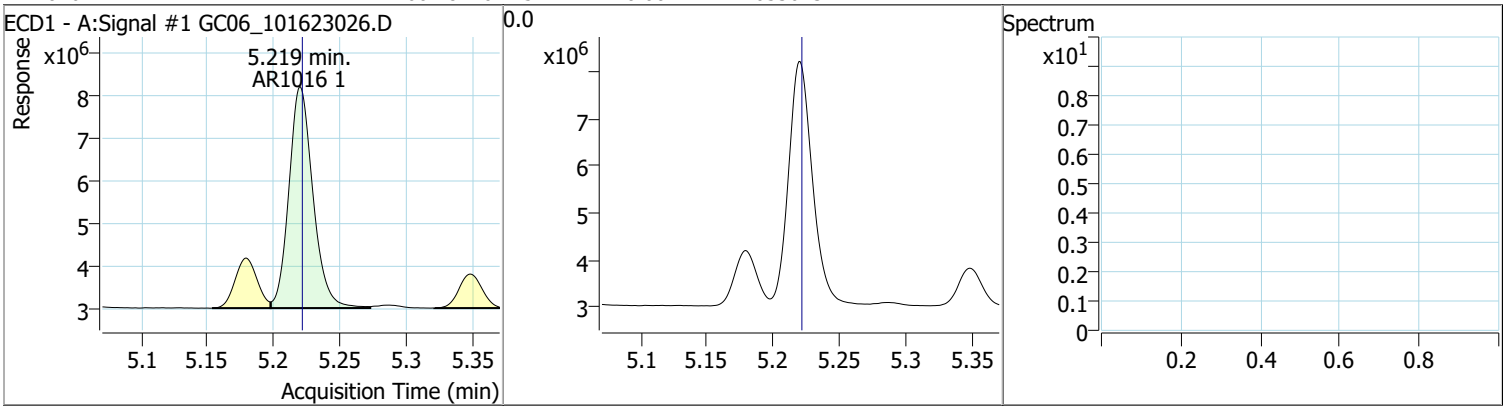
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	137.7787	4.86	0.00	25773177				



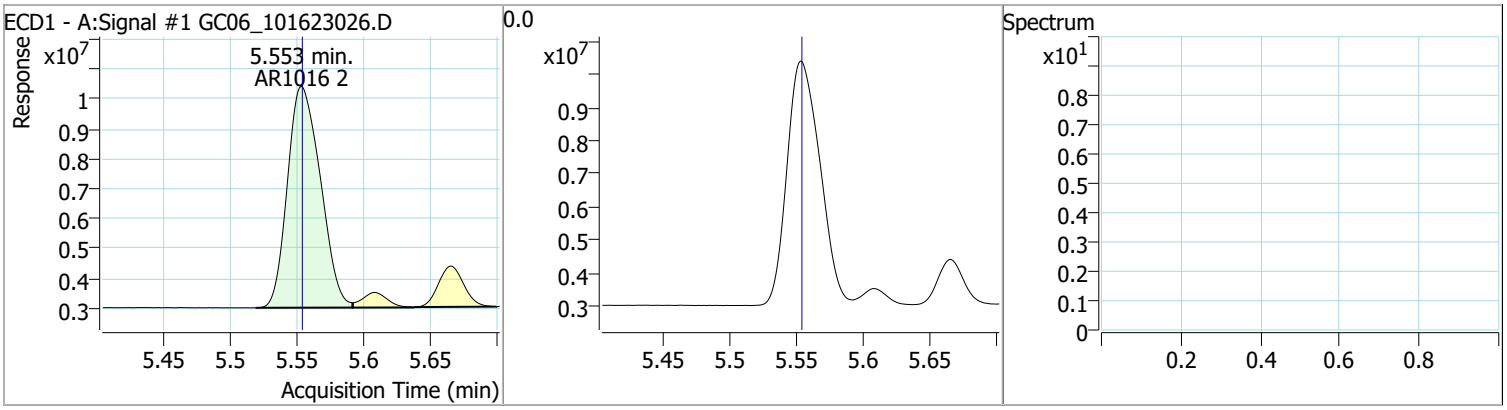
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	148.4449	5.17	0.00	75810609				



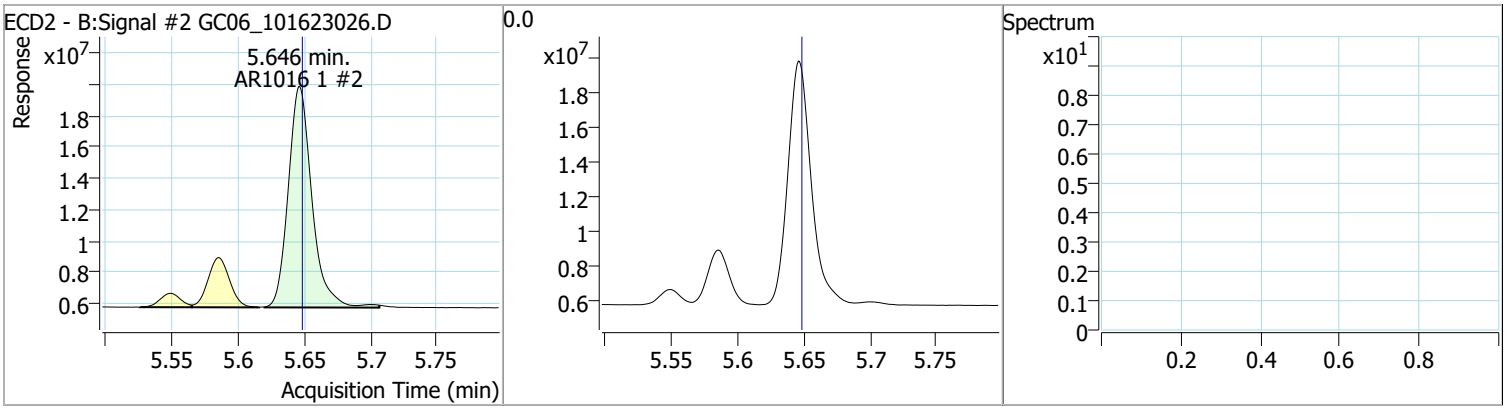
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1601.8146	5.22	0.00	6536431				



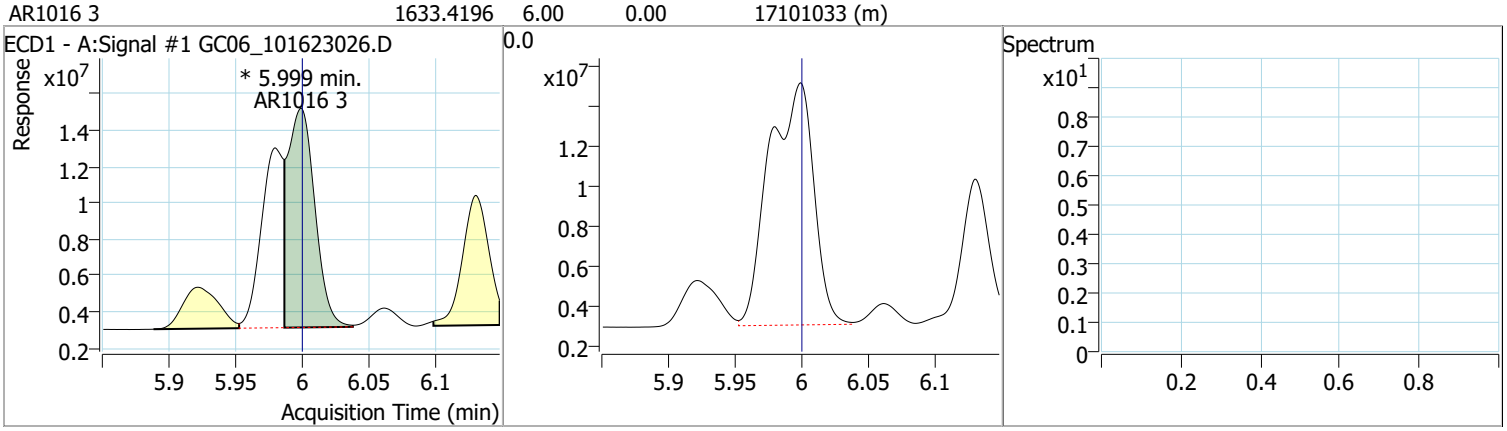
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1557.0882	5.55	0.00	12752952				



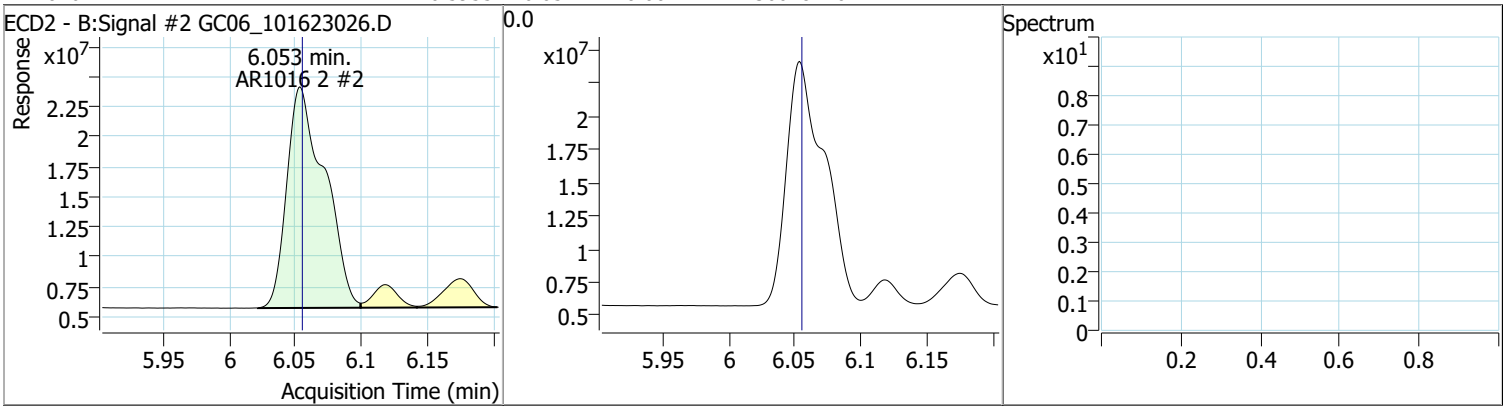
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1741.2648	5.65	0.00	17493130				



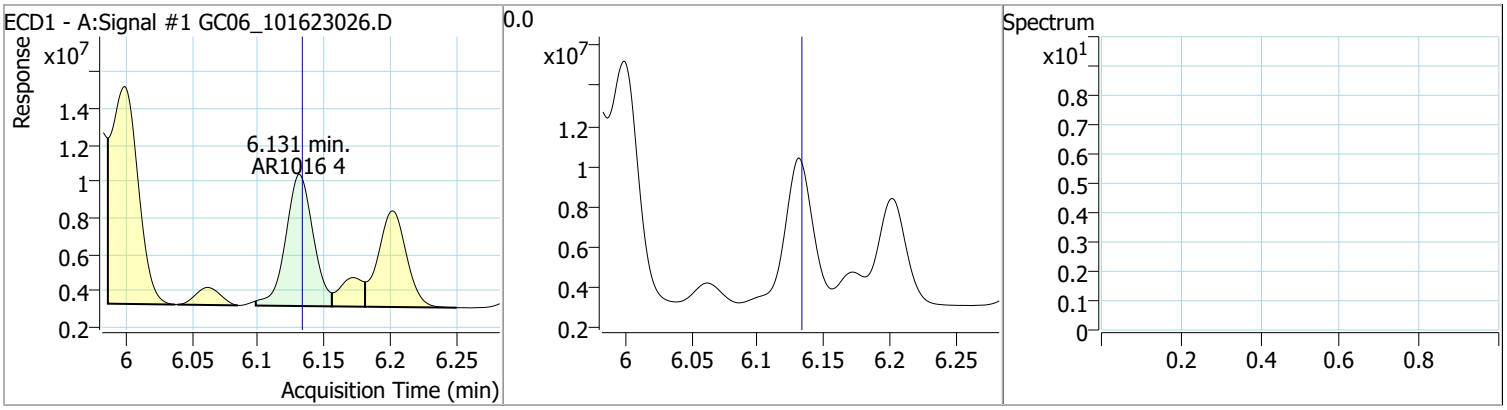
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1633.4196	6.00	0.00	17101033 (m)				



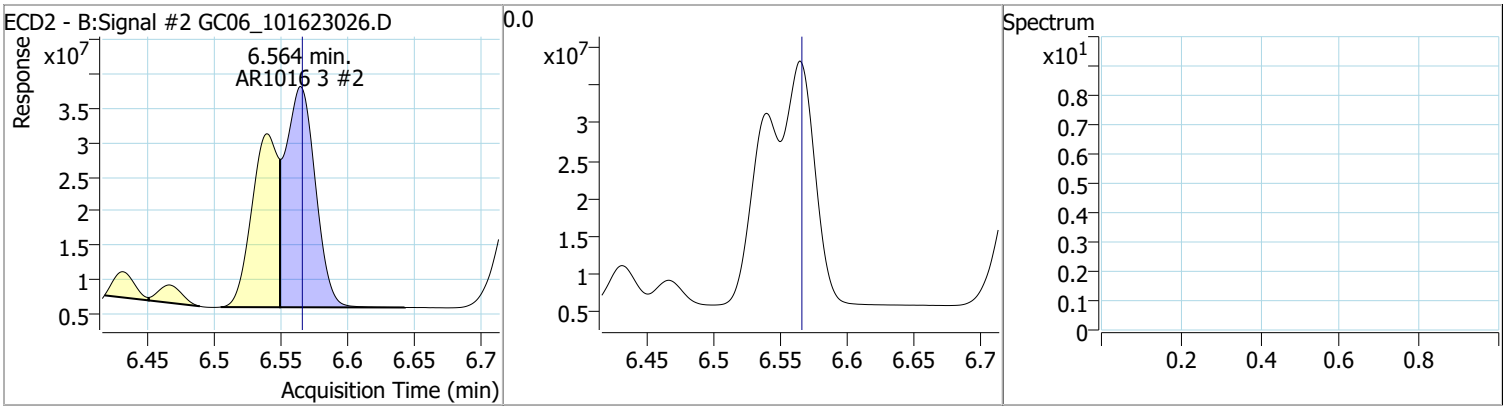
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1746.5955	6.05	0.00	36618476				



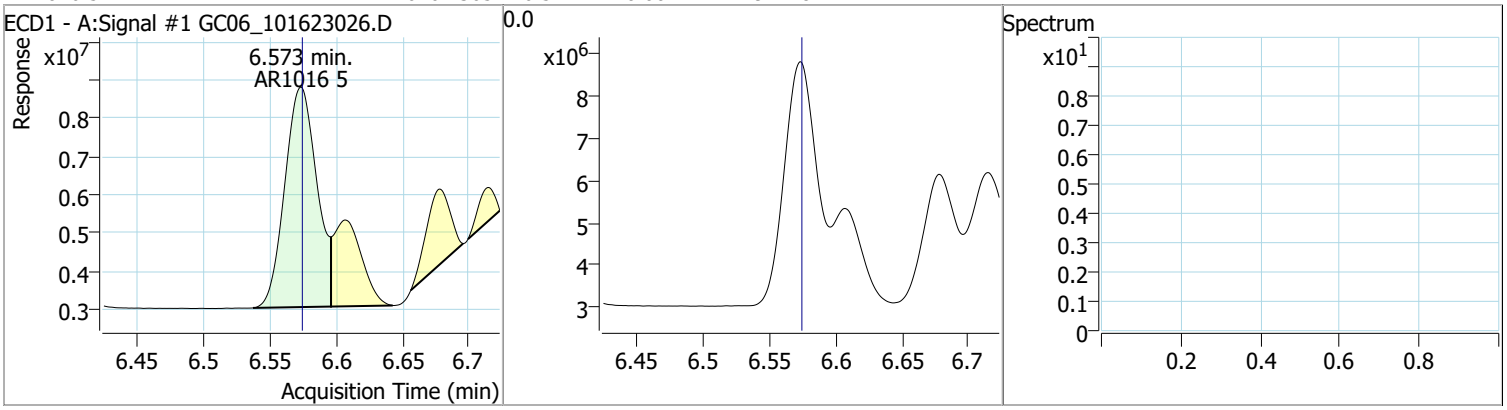
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1589.0333	6.13	0.00	10423832				



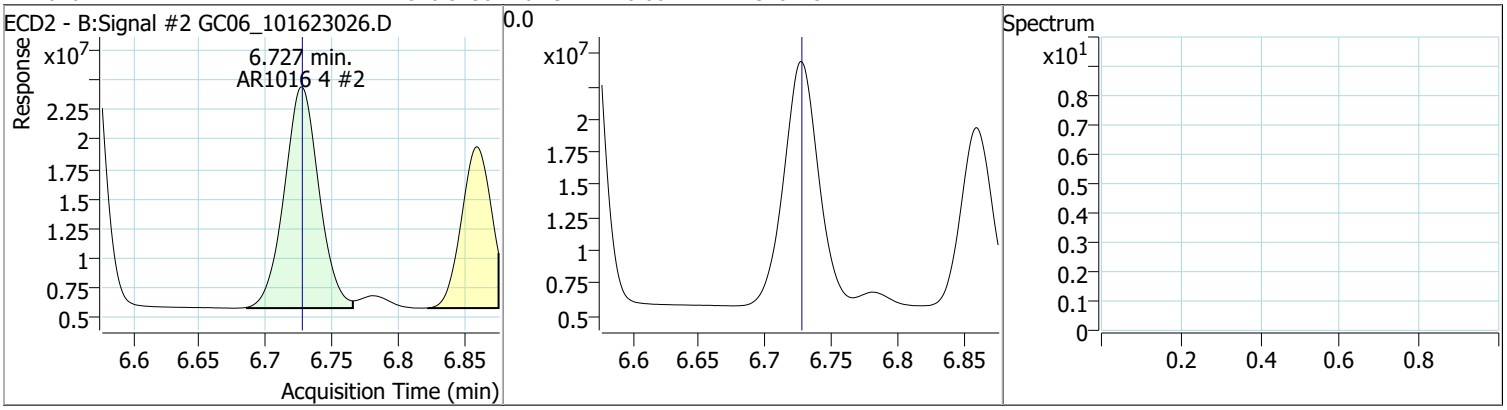
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1818.6088	6.56	0.00	50736187				



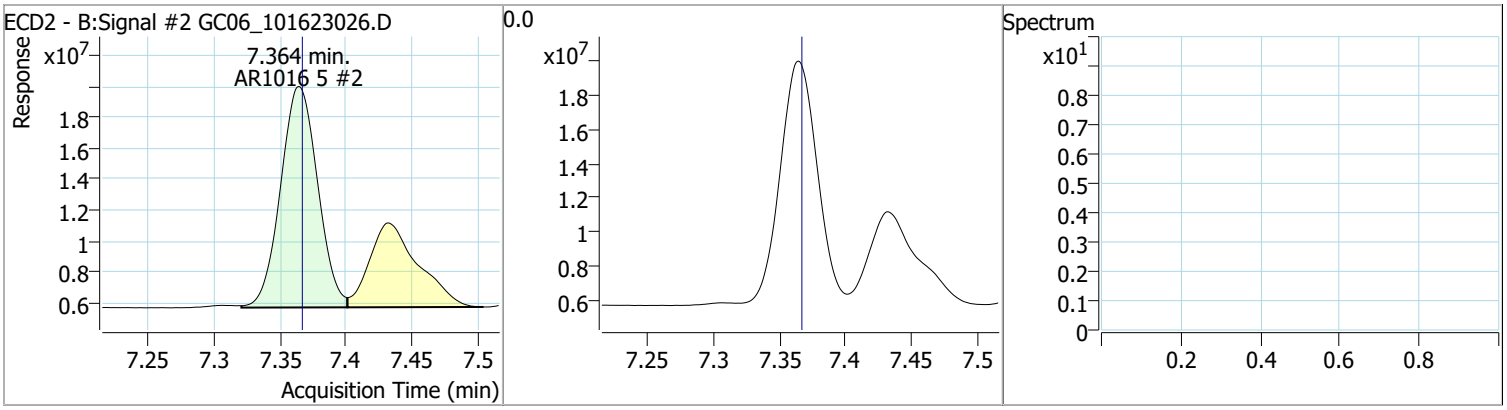
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1646.2365	6.57	0.00	9717842				



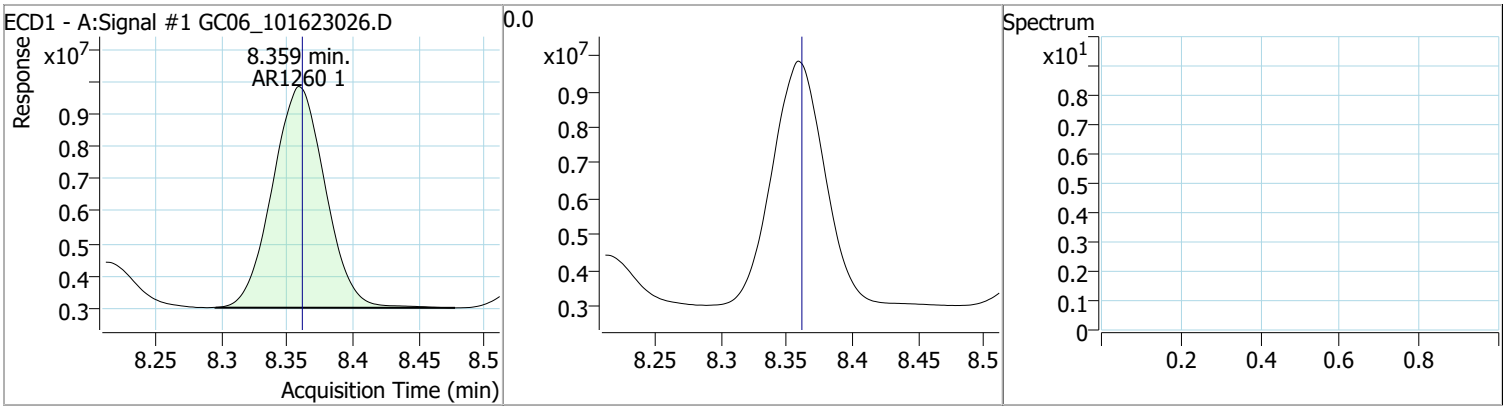
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1816.5250	6.73	0.00	34044577				



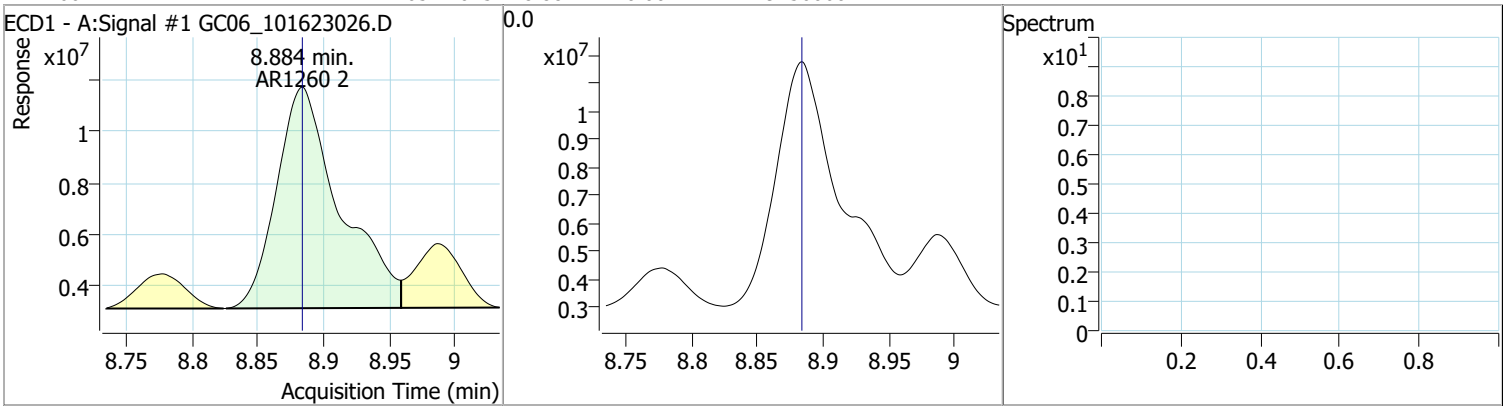
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1799.1505	7.36	0.00	27856850				



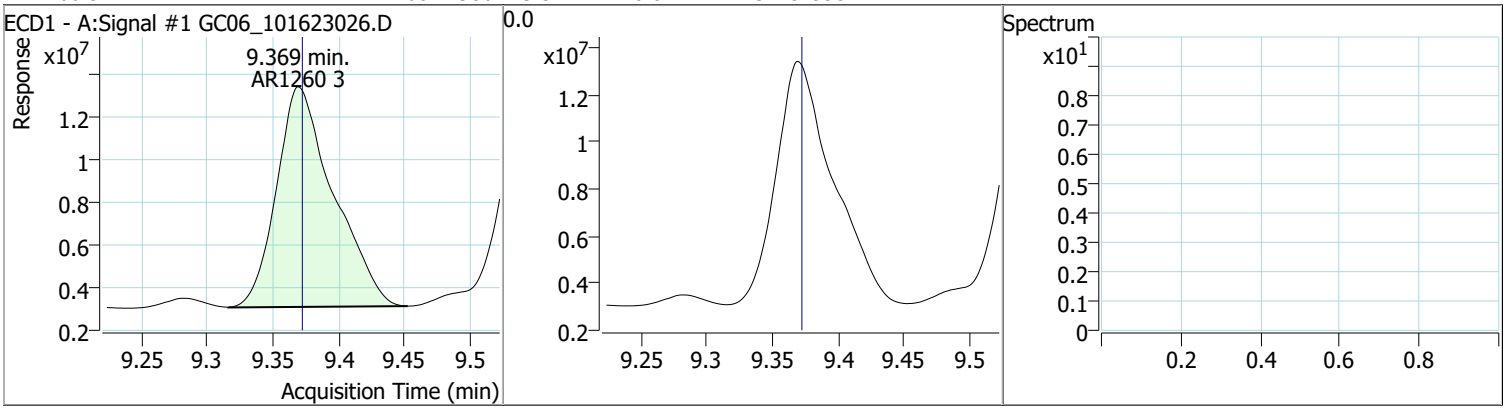
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1683.3679	8.36	0.00	19135040				



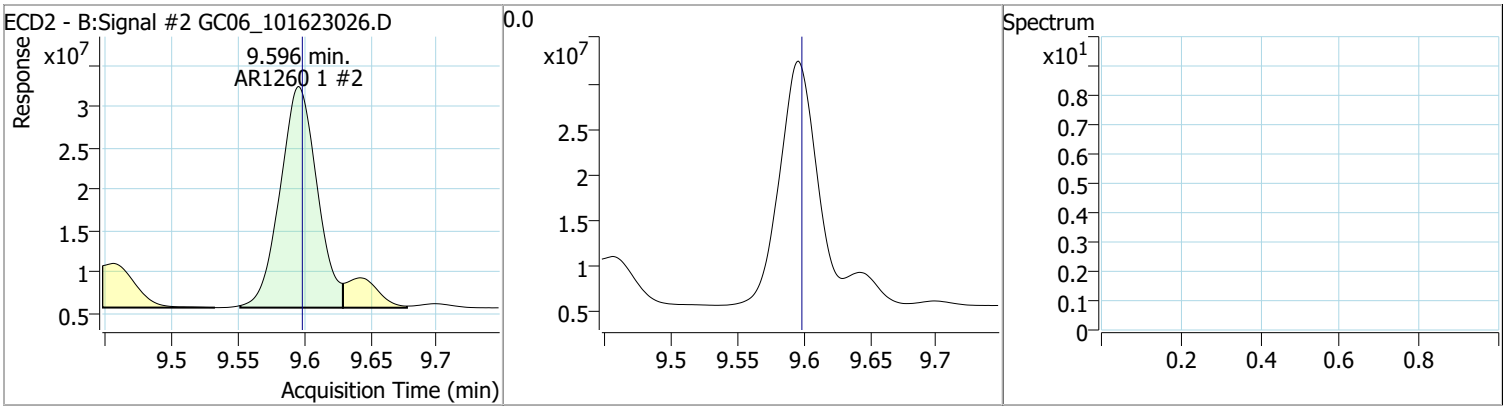
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1651.7075	8.88	0.00	29256060				



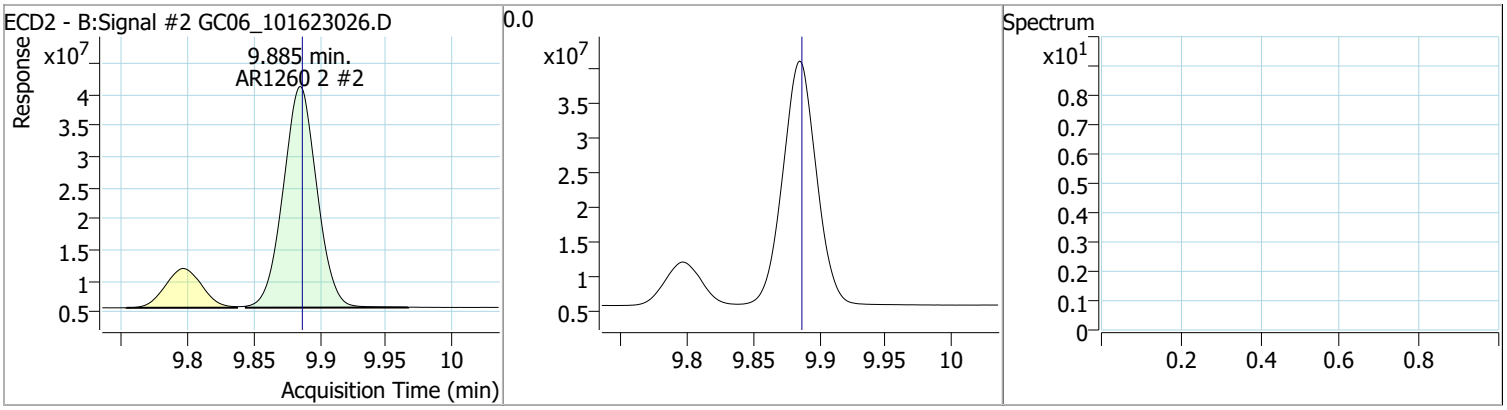
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1682.1986	9.37	-0.01	31287995				



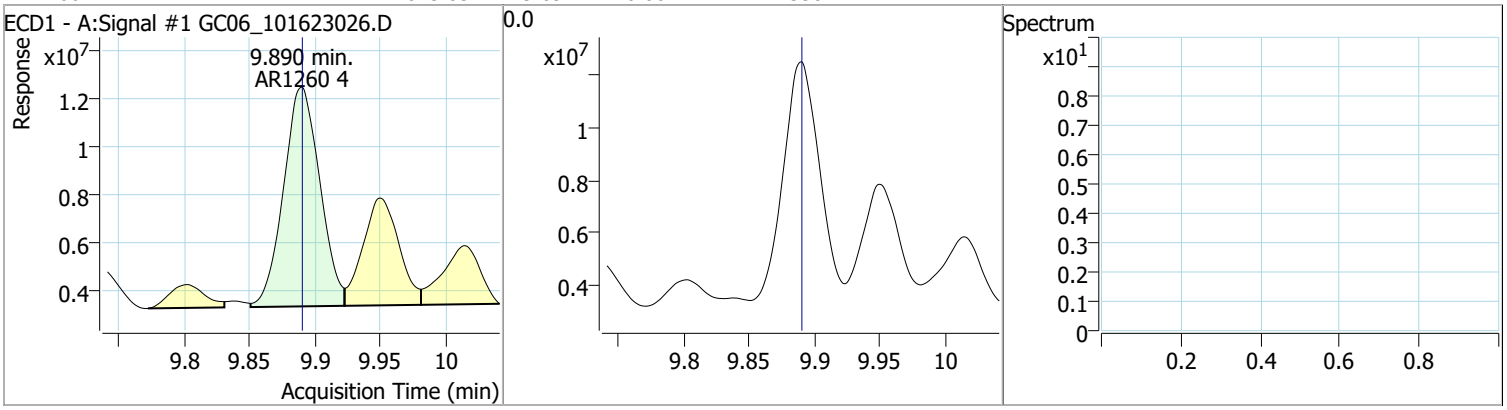
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1807.2746	9.60	0.00	51983777				



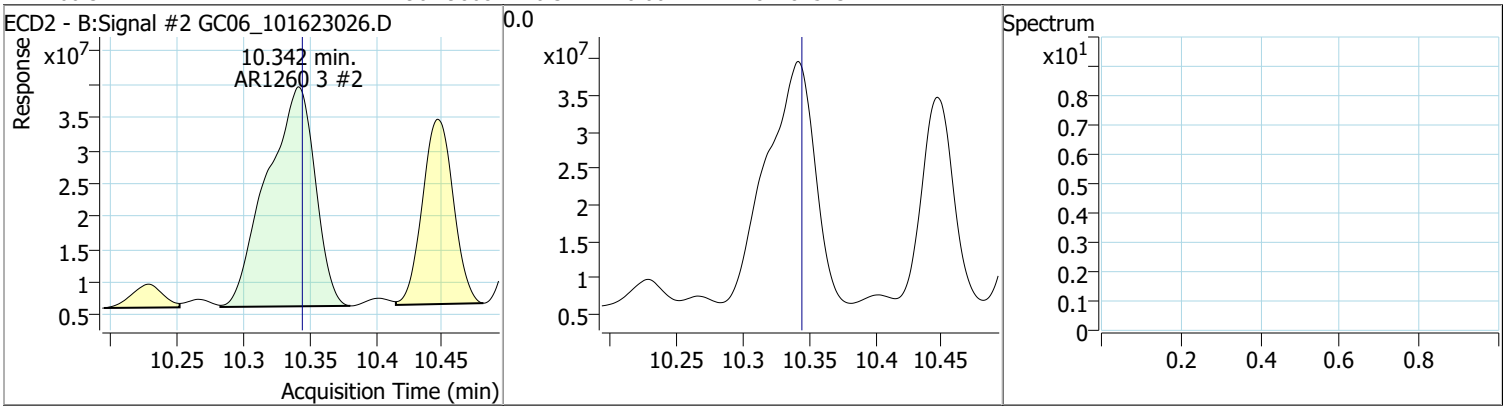
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1811.7776	9.89	0.00	62874732				



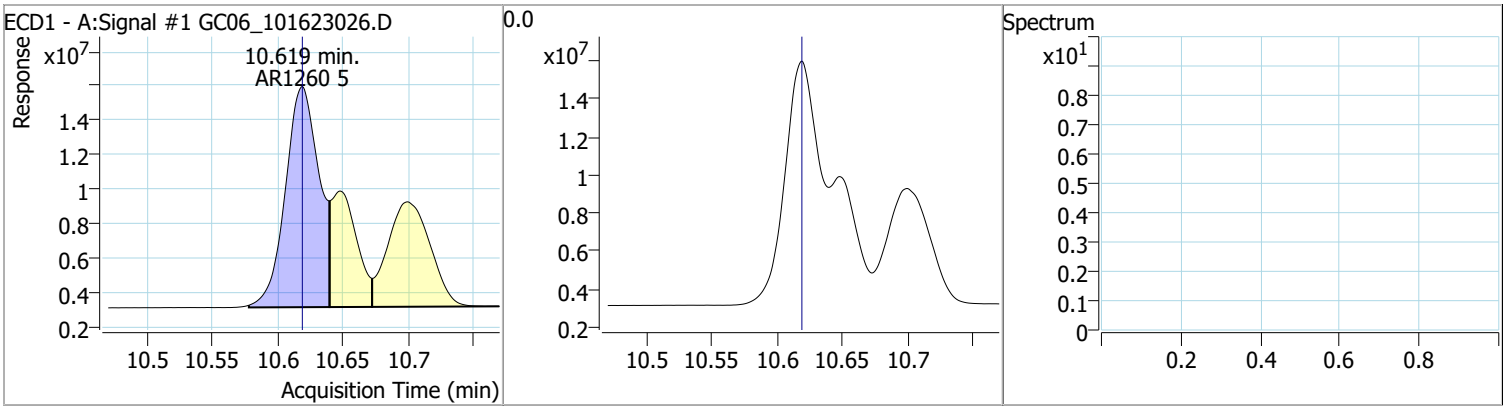
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1813.8377	9.89	0.00	17733874				



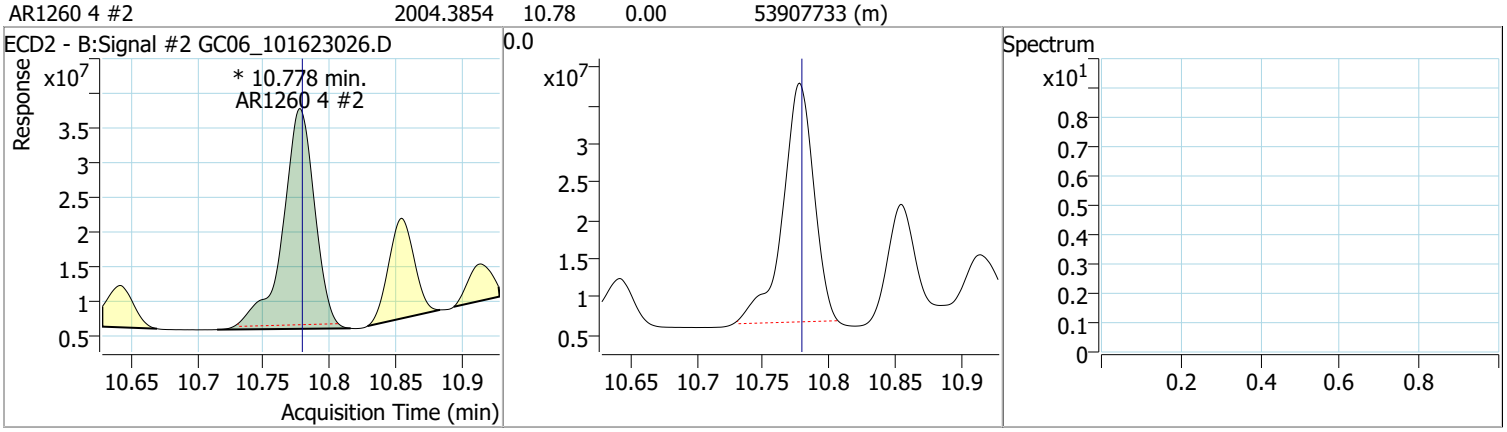
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1902.9868	10.34	0.00	84184543				



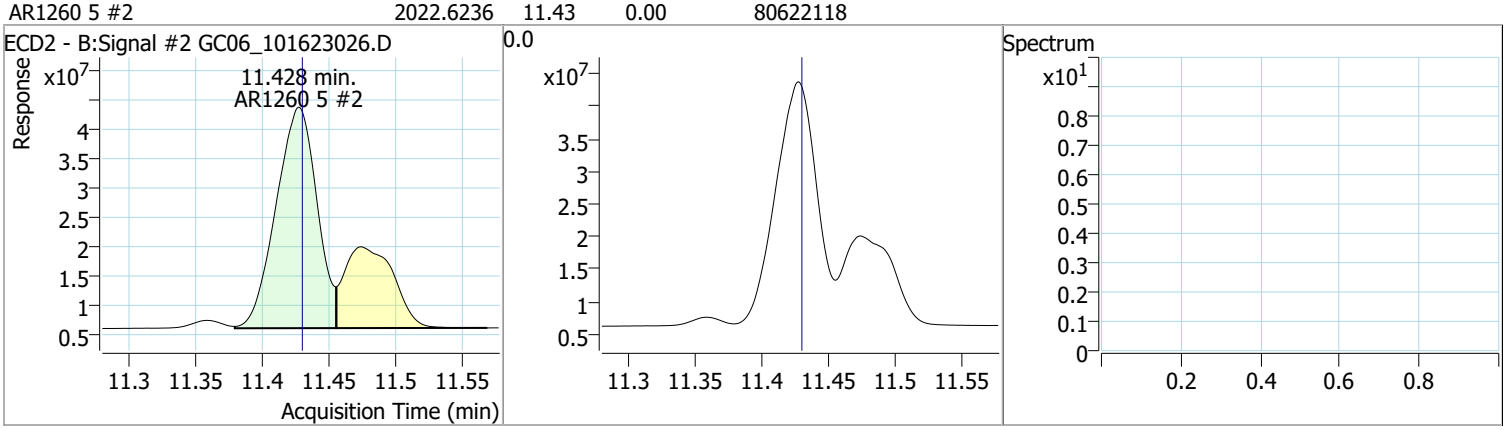
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1824.4863	10.62	0.00	22762007				



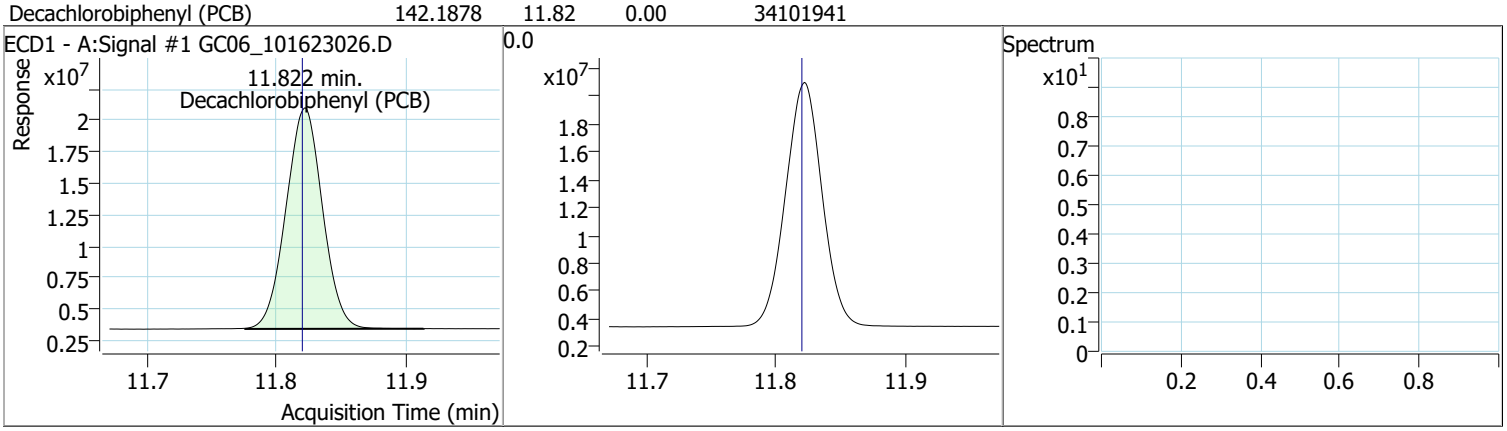
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2004.3854	10.78	0.00	53907733 (m)				



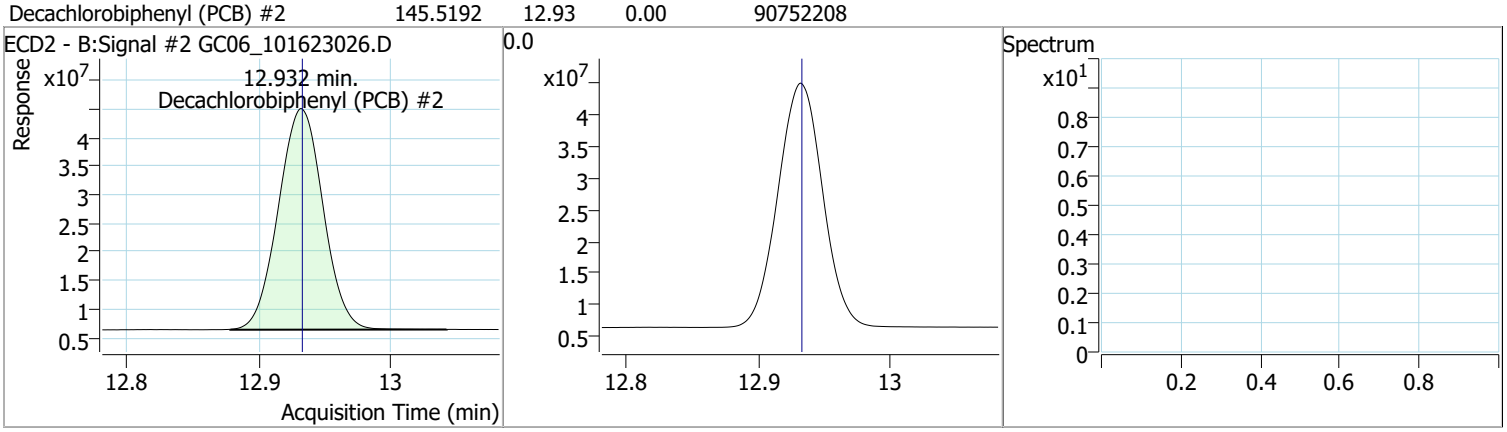
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	2022.6236	11.43	0.00	80622118				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	142.1878	11.82	0.00	34101941				

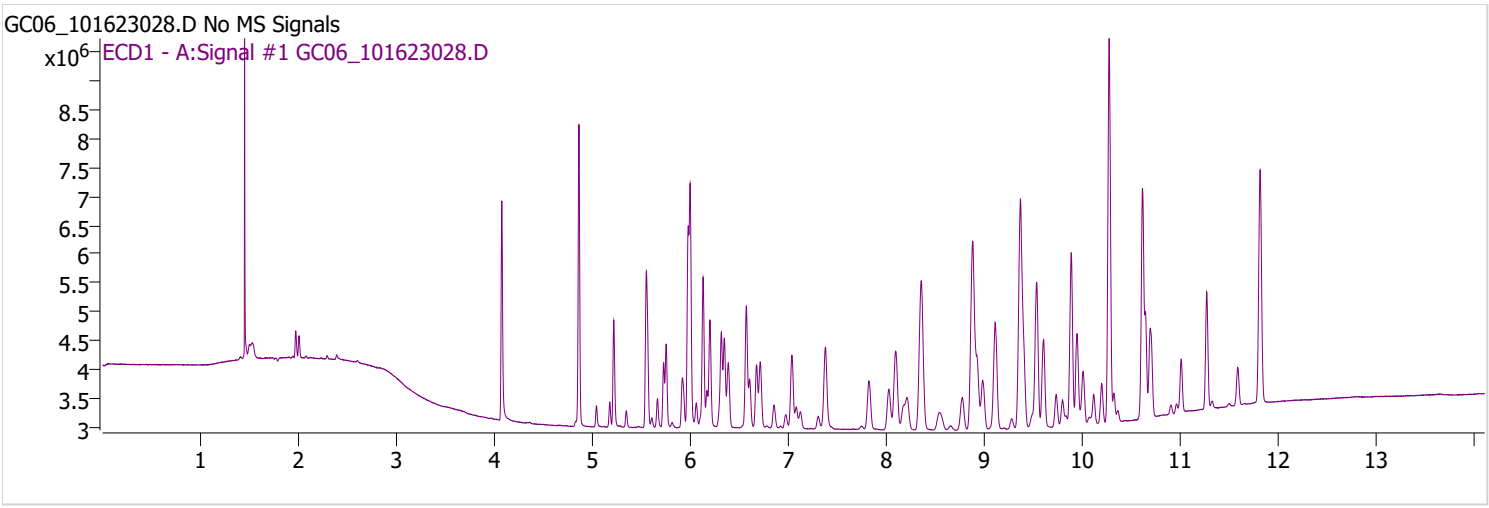


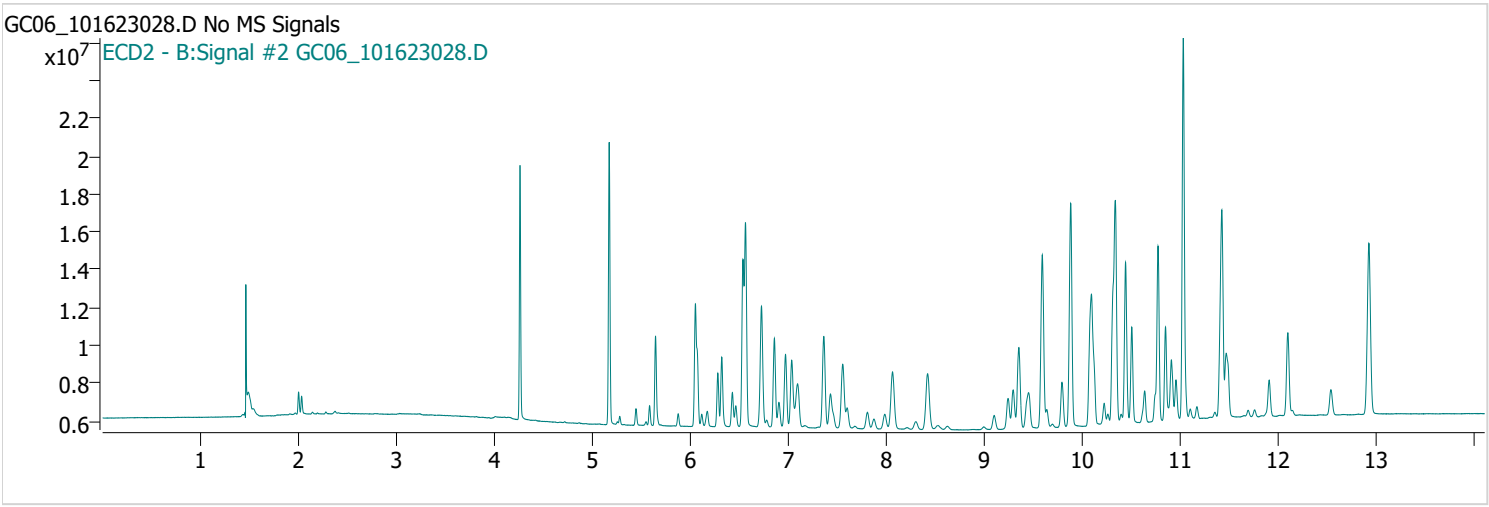
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	145.5192	12.93	0.00	90752208				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101623028.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 5:36:51 PM
Sample Name	ICV, S18851	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



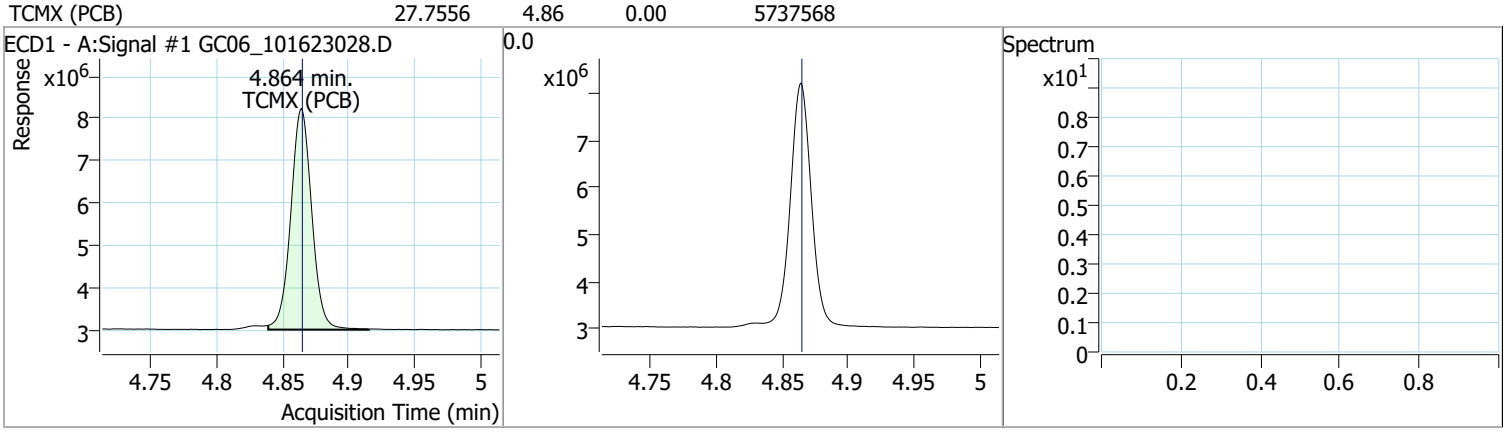


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.077	0.0	4154774.463	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	12081595.135	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.864	0.0	5737567.924	27.7556	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.78%			
S TCMX (PCB) #2	5.173	0.0	15985491.337	28.1477	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.74%			
S Decachlorobiphenyl (PCB)	11.820	0.0	8160238.245	30.7890	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.94%		*	
S Decachlorobiphenyl (PCB) #2	12.931	0.0	20720951.426	29.8782	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.39%			
Target Compounds							QValue

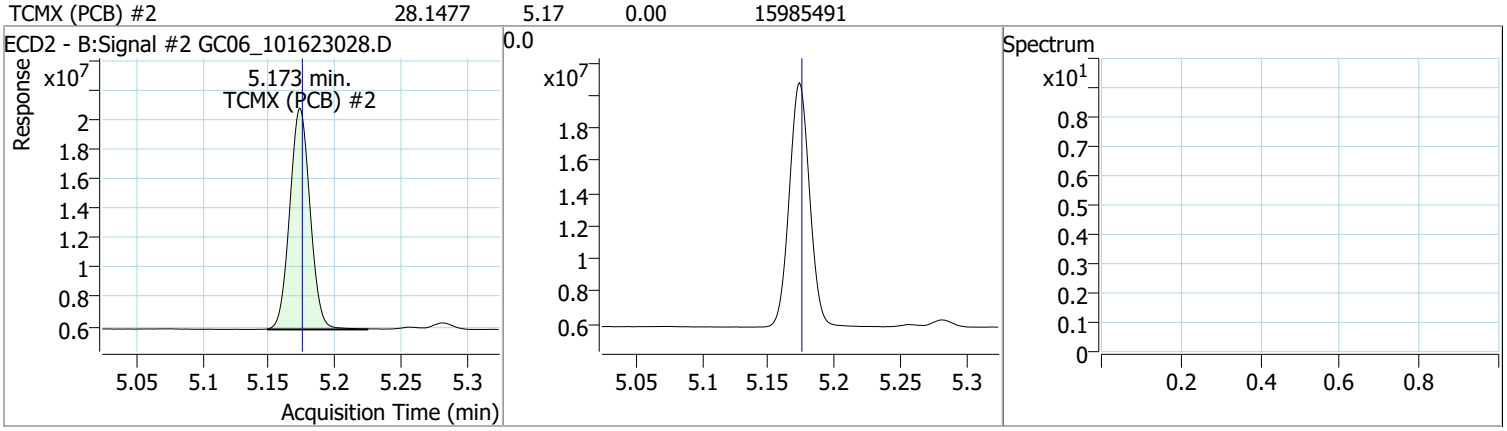
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.220	0.0	2342169.251	519.3965	ng/ml		100
T AR1016 2	5.553	0.0	4639832.738	512.6417	ng/ml		100
T AR1016 1 #2	5.647	0.0	6026345.954	539.4281	ng/ml		100
T AR1016 3	5.999	0.0	6055563.215	552.8531	ng/ml	m	100
T AR1016 2 #2	6.053	0.0	12770190.013	547.7364	ng/ml		100
T AR1016 4	6.132	0.0	3784231.757	522.0264	ng/ml		100
T AR1016 3 #2	6.564	0.0	16690170.051	537.9779	ng/ml		100
T AR1016 5	6.573	0.0	3498828.529	536.3573	ng/ml		100
T AR1016 4 #2	6.728	0.0	11697332.367	561.2579	ng/ml		100
T AR1016 5 #2	7.364	0.0	9413535.536	546.7269	ng/ml		100
T AR1260 1	8.359	0.0	7207516.453	573.7787	ng/ml		100
T AR1260 2	8.886	0.0	11154916.835	569.8923	ng/ml		100
T AR1260 3	9.373	0.0	11769338.039	572.6124	ng/ml		100
T AR1260 1 #2	9.596	0.0	18275953.439	571.3715	ng/ml		100
T AR1260 2 #2	9.886	0.0	21956176.202	568.9415	ng/ml		100
T AR1260 4	9.891	0.0	5600224.655	518.3336	ng/ml		100
T AR1260 3 #2	10.342	0.0	29591418.610	601.5218	ng/ml		100
T AR1260 5	10.619	0.0	7374665.951	534.9110	ng/ml	m	100
T AR1260 4 #2	10.778	0.0	16227133.525	542.5680	ng/ml	m	100
T AR1260 5 #2	11.429	0.0	23475695.353	529.6165	ng/ml		100

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

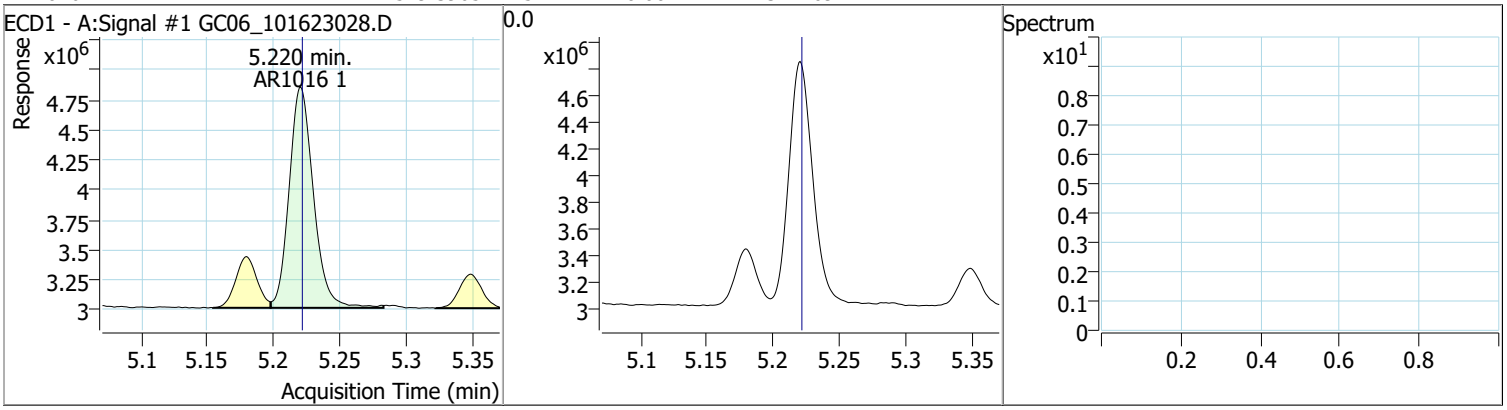
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.7556	4.86	0.00	5737568				



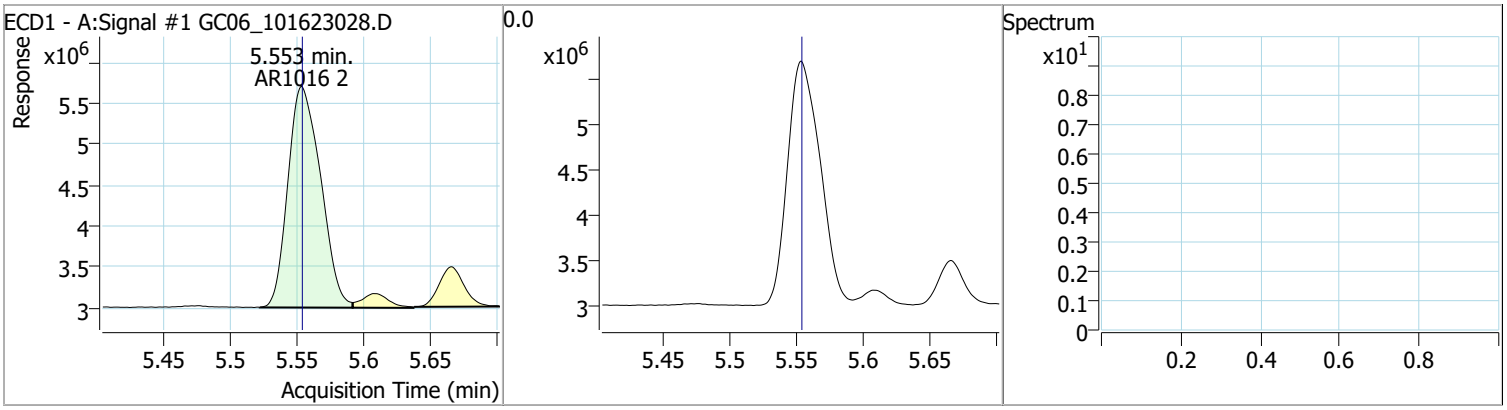
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.1477	5.17	0.00	15985491				



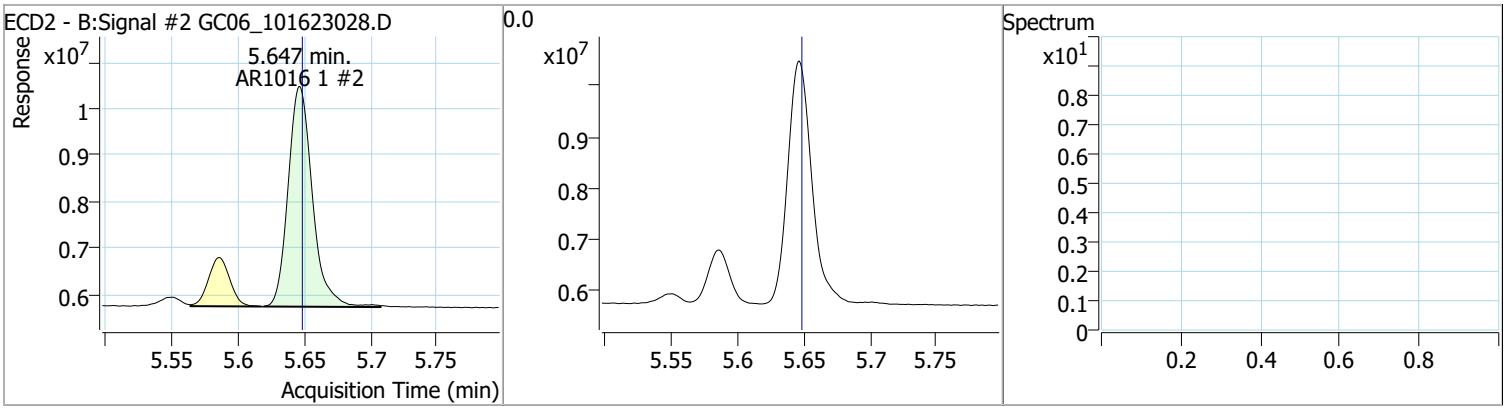
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	519.3965	5.22	0.00	2342169				



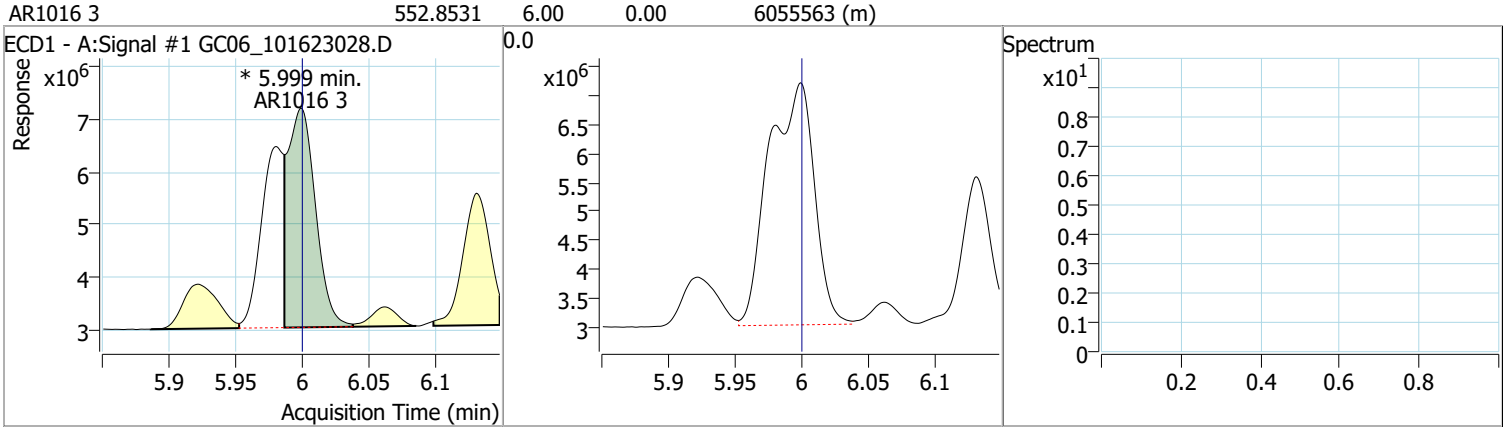
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	512.6417	5.55	0.00	4639833				



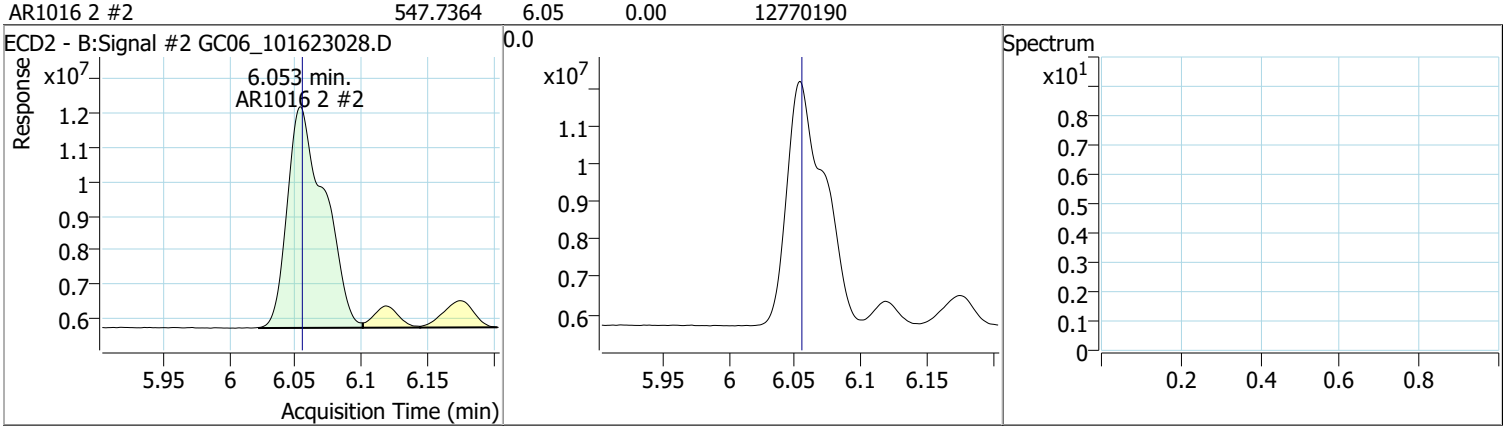
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	539.4281	5.65	0.00	6026346				



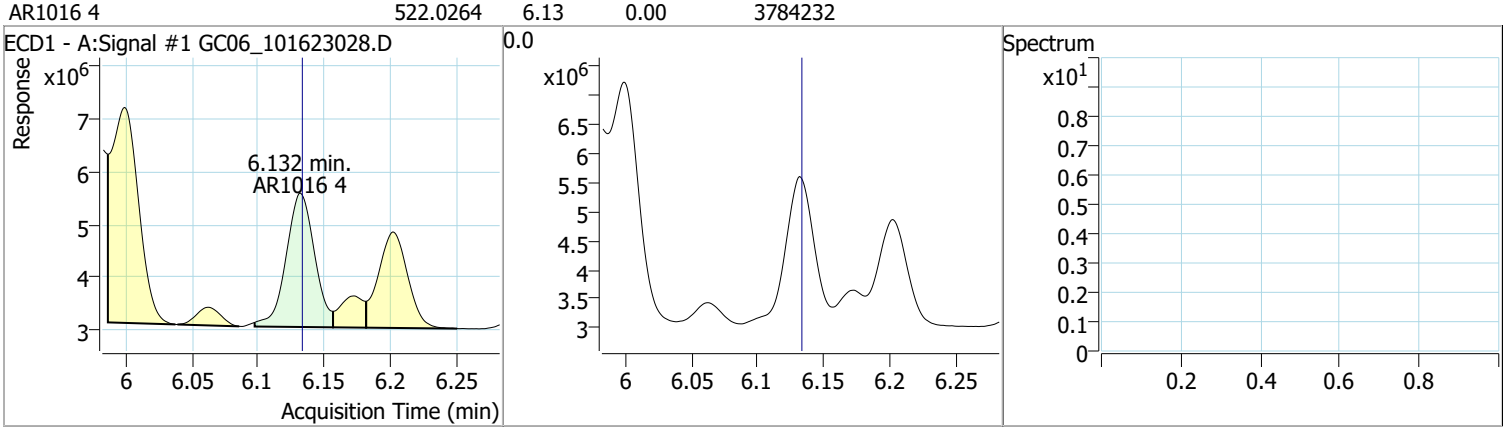
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	552.8531	6.00	0.00	6055563 (m)				



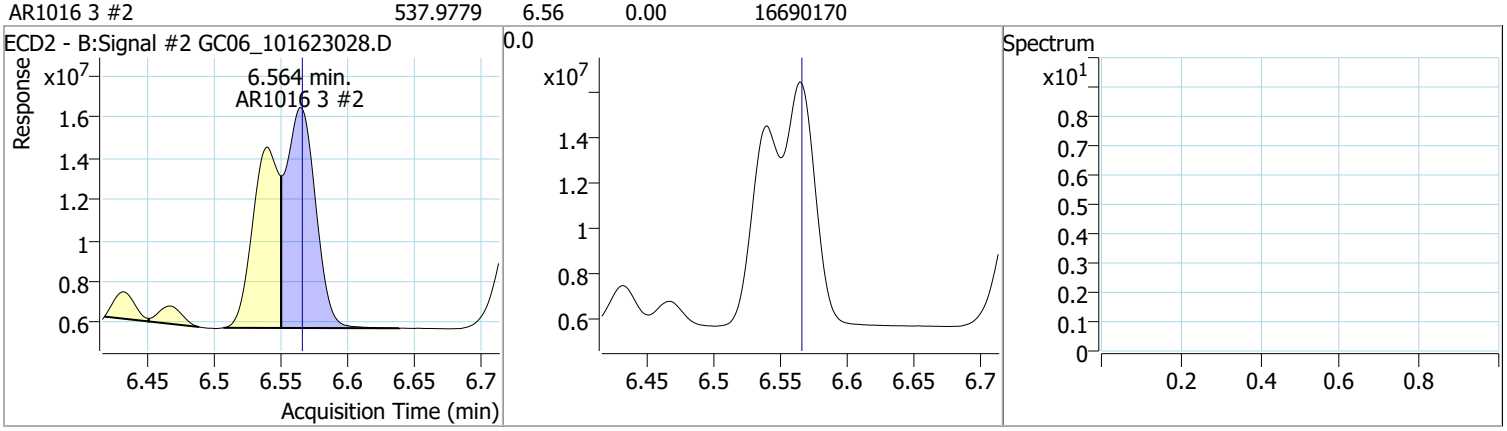
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	547.7364	6.05	0.00	12770190				



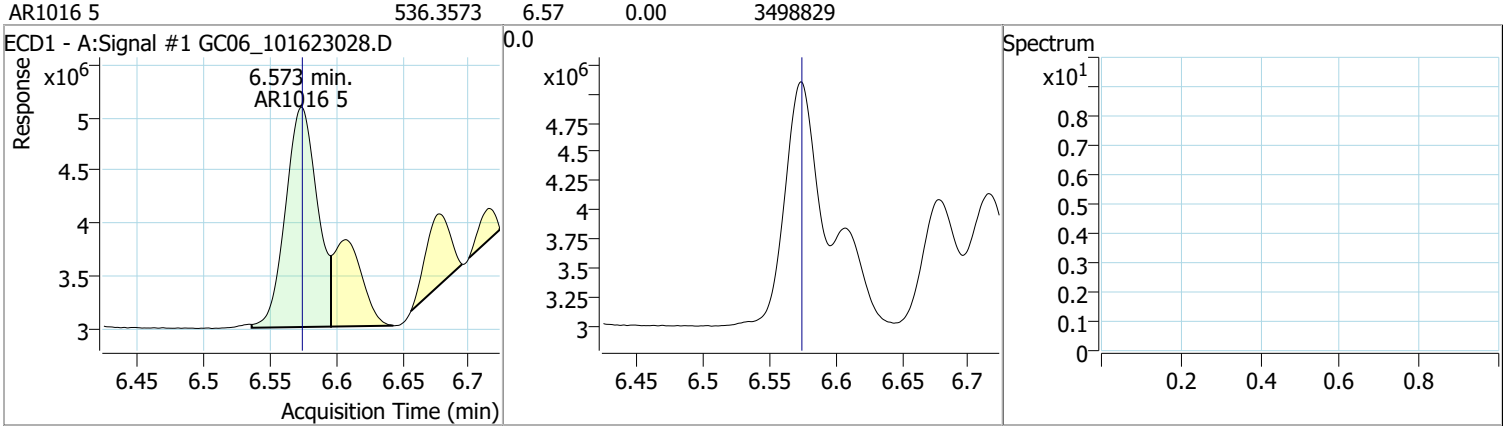
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	522.0264	6.13	0.00	3784232				



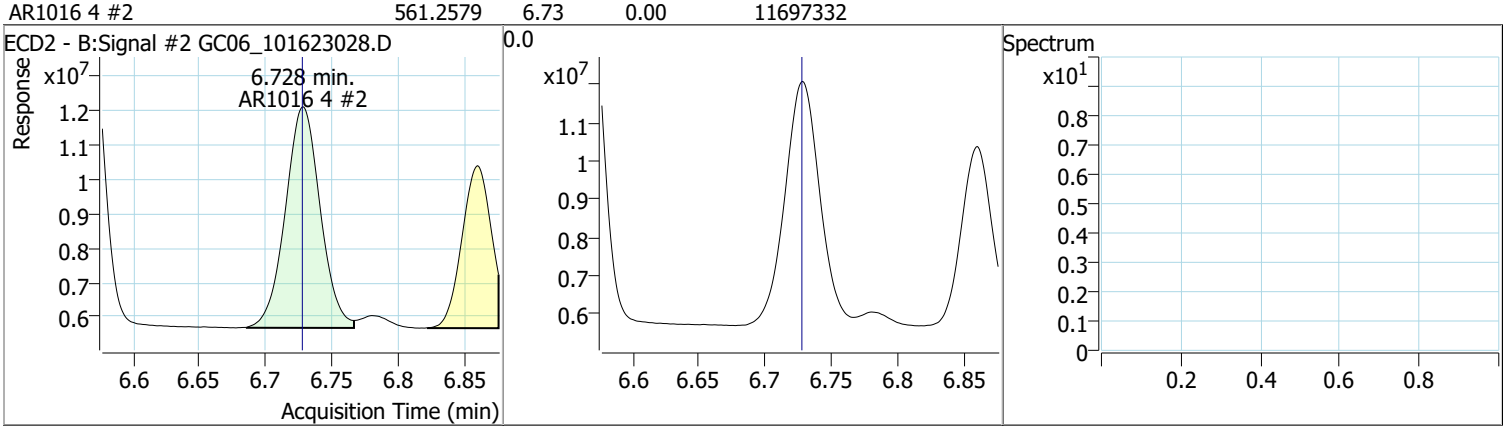
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	537.9779	6.56	0.00	16690170				



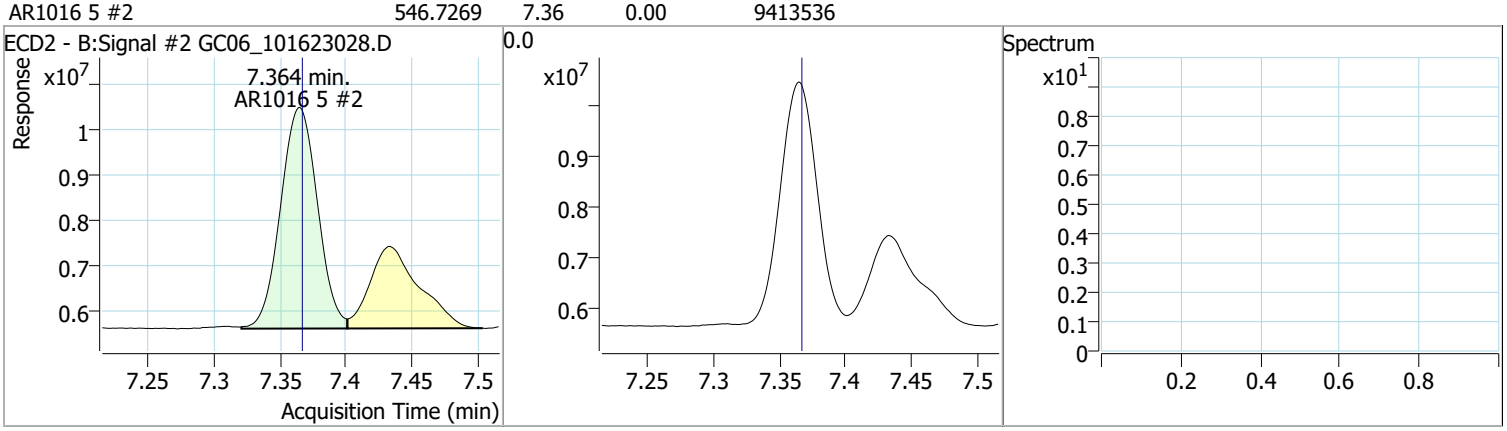
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	536.3573	6.57	0.00	3498829				



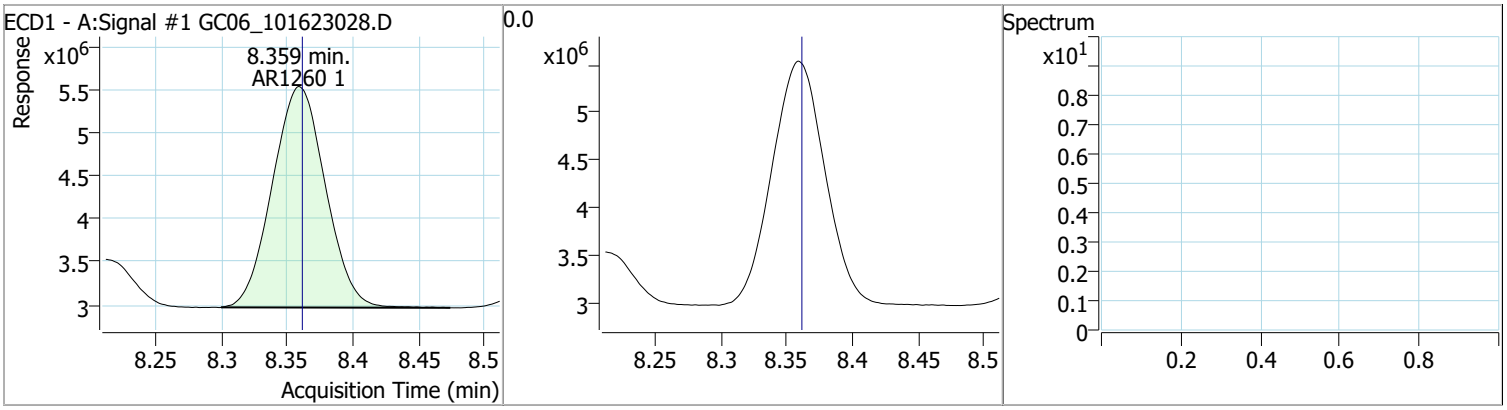
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	561.2579	6.73	0.00	11697332				



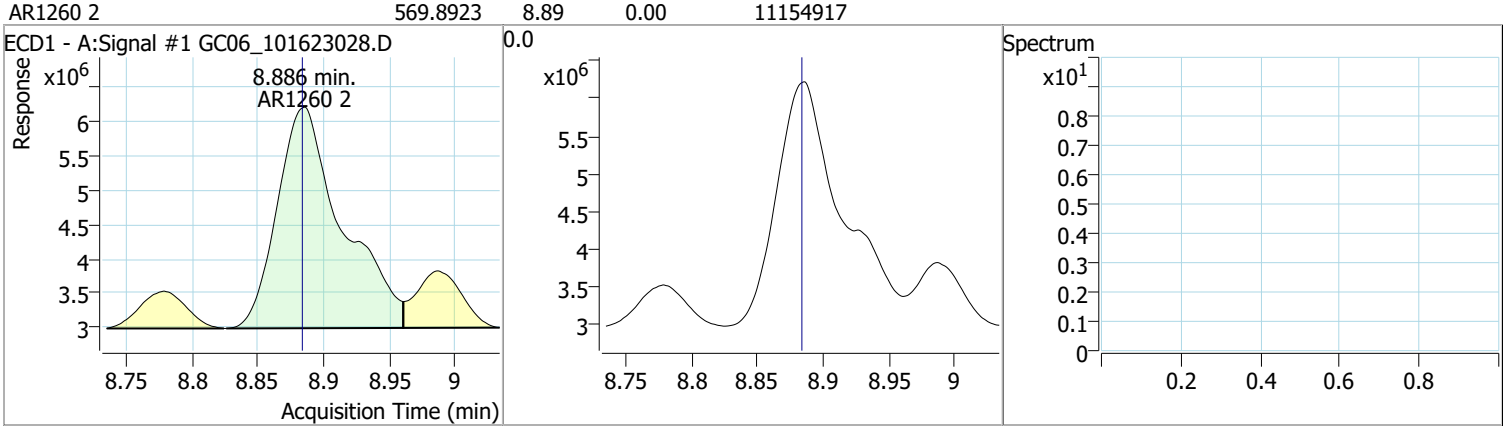
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	546.7269	7.36	0.00	9413536				



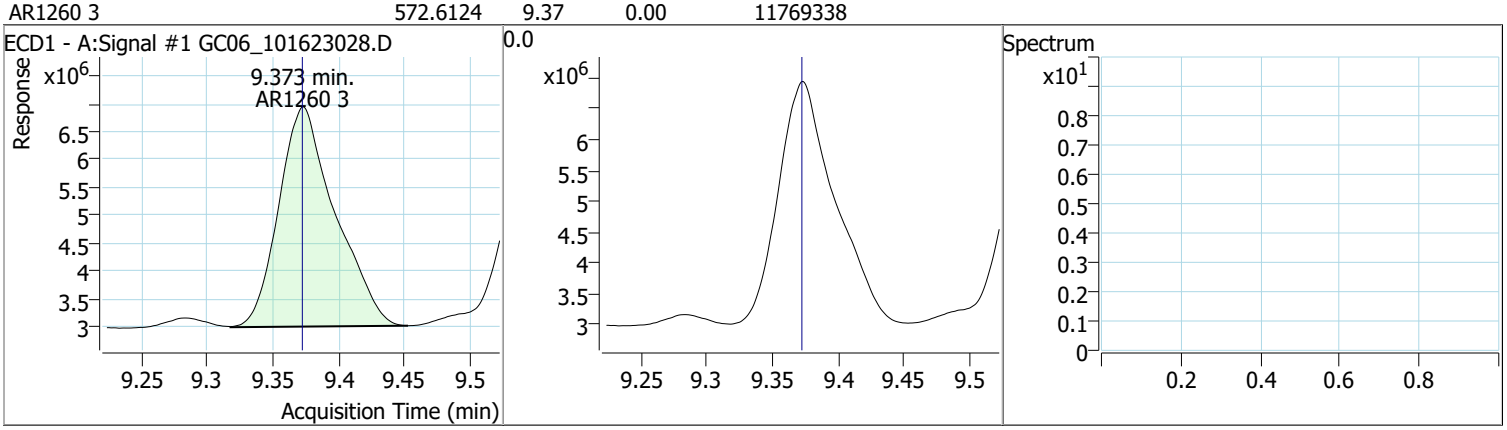
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	573.7787	8.36	0.00	7207516				



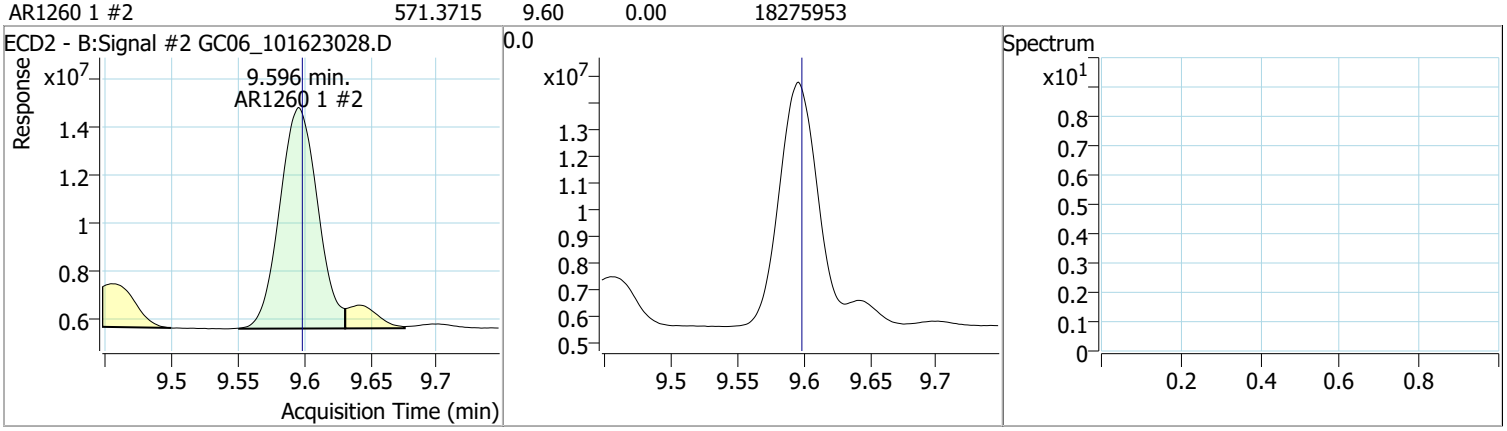
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	569.8923	8.89	0.00	11154917				



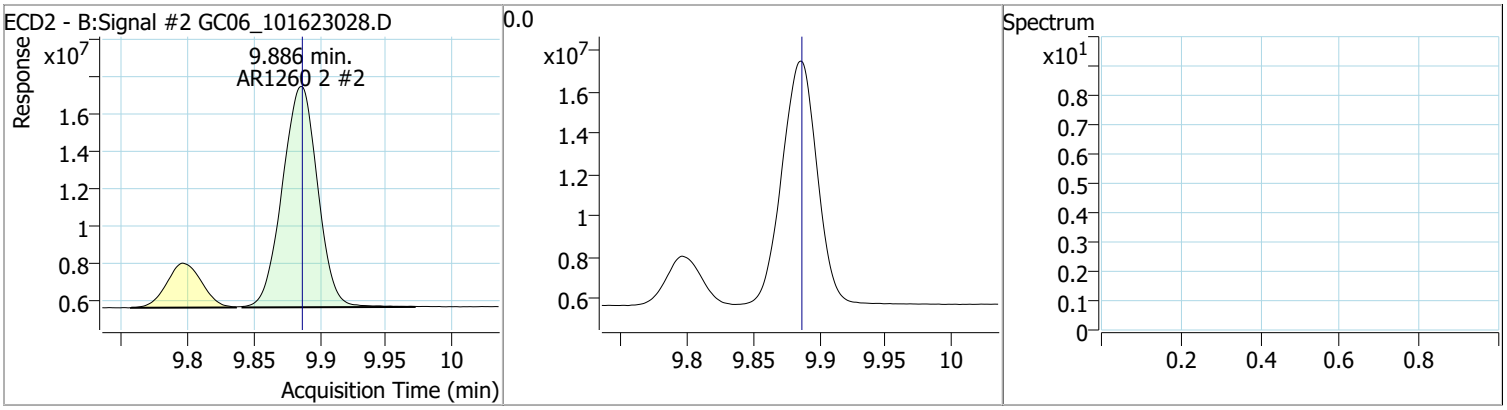
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	572.6124	9.37	0.00	11769338				



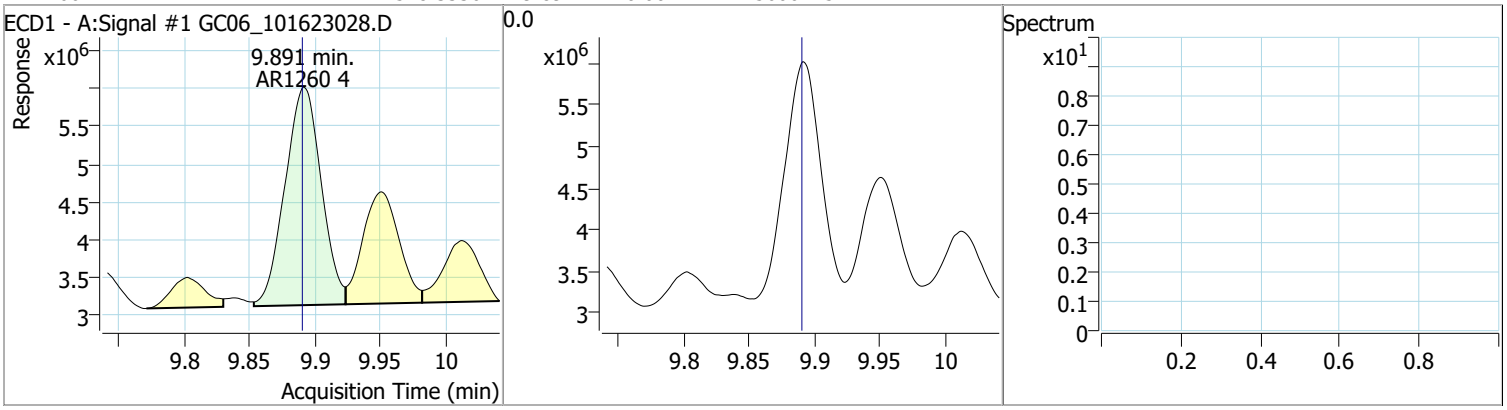
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	571.3715	9.60	0.00	18275953				



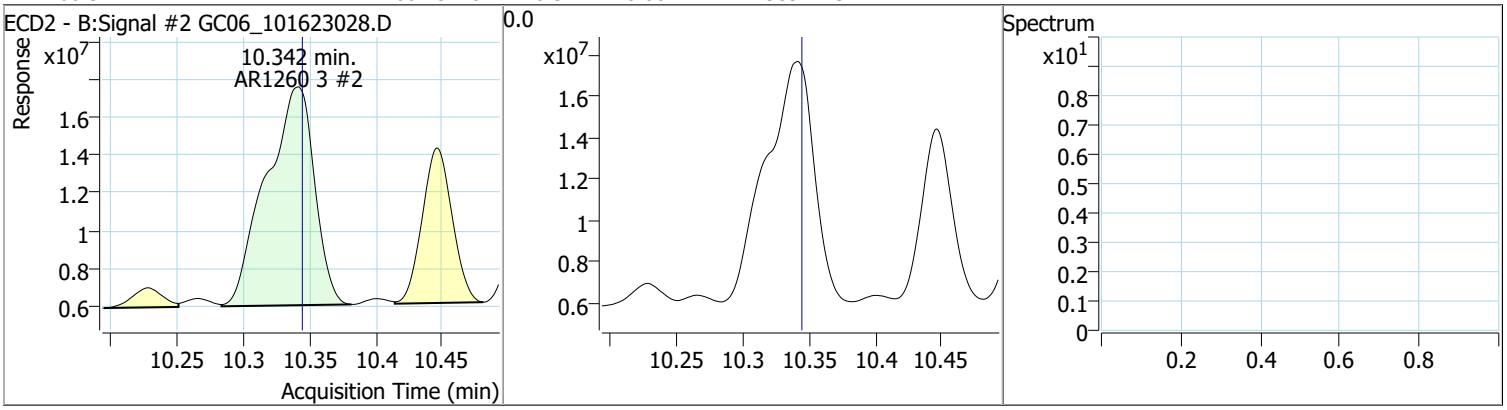
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	568.9415	9.89	0.00	21956176				



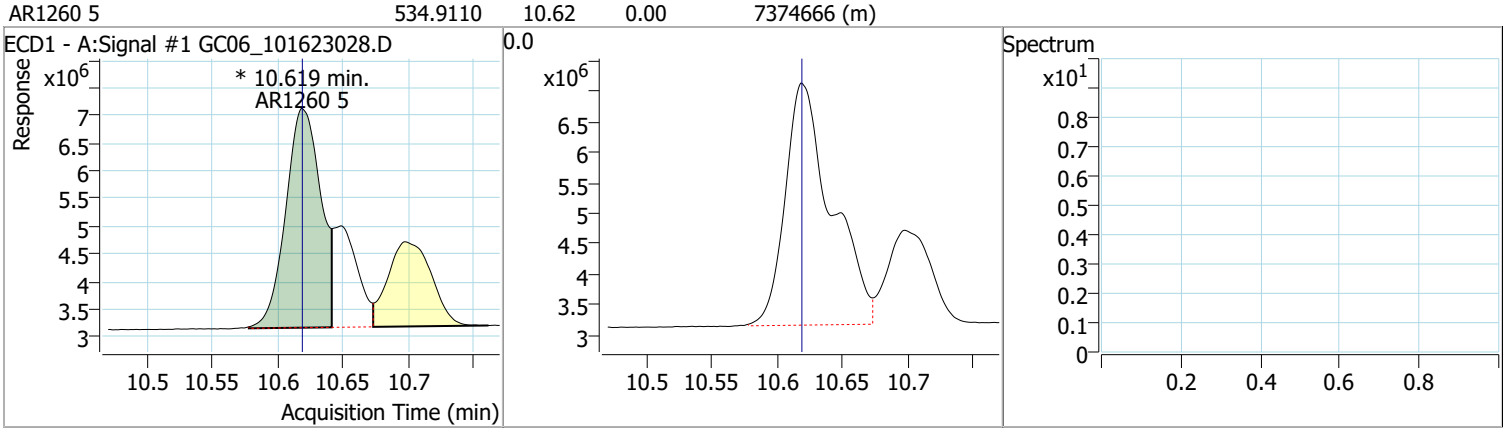
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	518.3336	9.89	0.00	5600225				



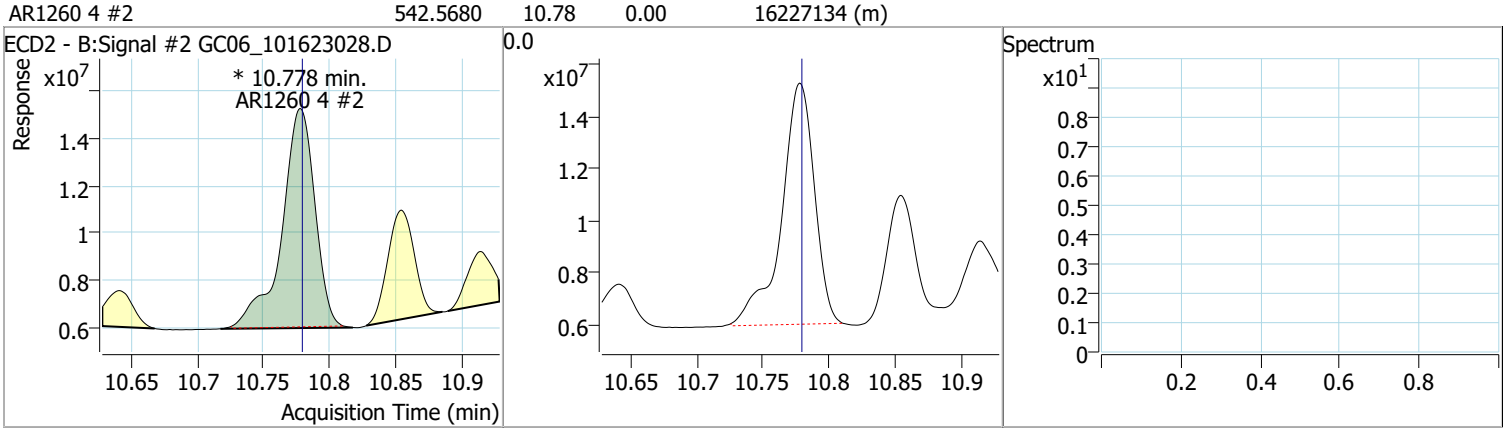
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	601.5218	10.34	0.00	29591419				



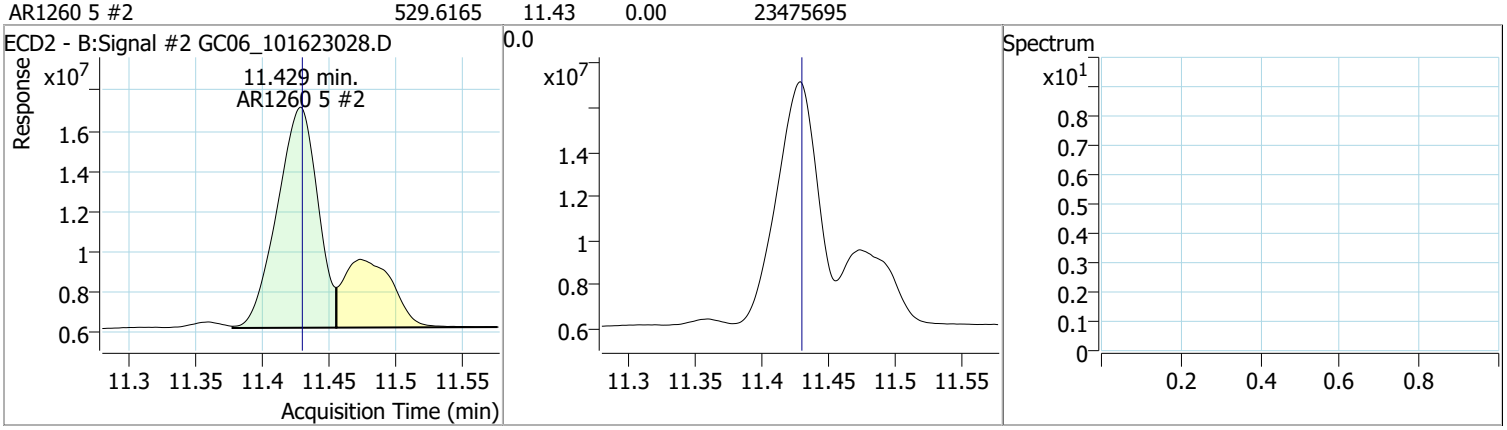
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	534.9110	10.62	0.00	7374666 (m)				



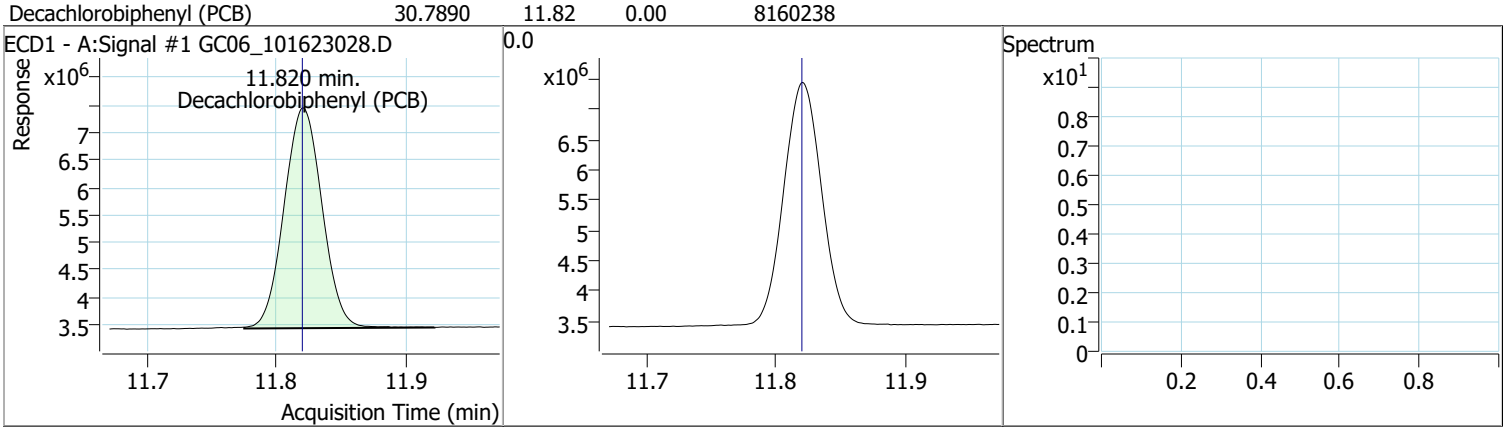
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	542.5680	10.78	0.00	16227134 (m)				



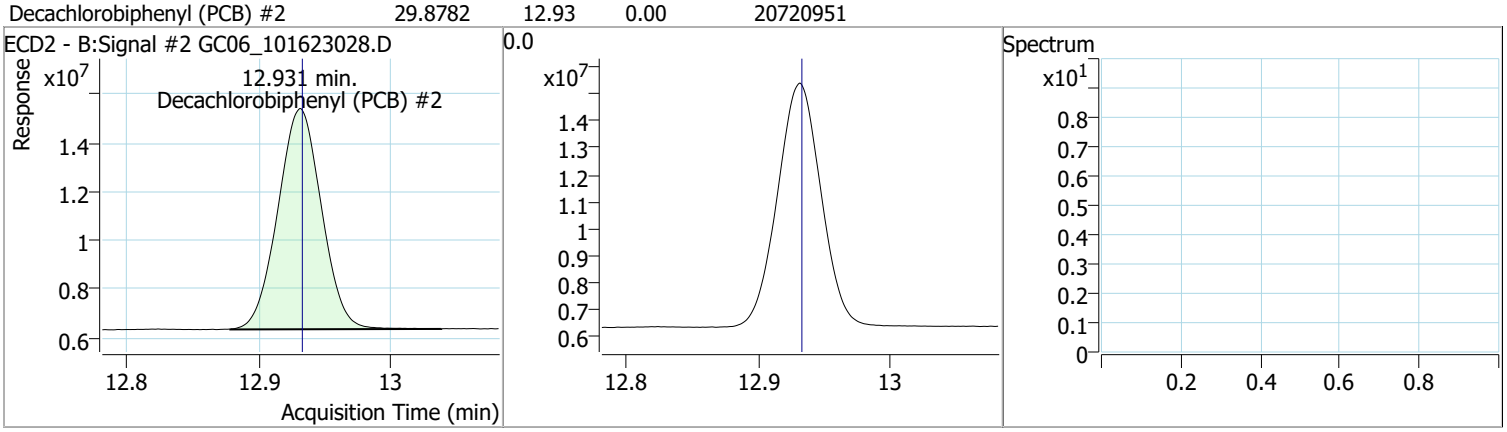
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	529.6165	11.43	0.00	23475695				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.7890	11.82	0.00	8160238				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.8782	12.93	0.00	20720951				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 494548 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453431278004	File:	gc06_102623004	Time:	26-OCT-2023 12:37
Cal:	453416704002	Caldate:	16-OCT-2023		

Standards: S19183

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	424.3	ug/L	-15	15	0.0000	
Aroclor-1260	A			500.0	455.2	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2758	1.0904	40.00	34.18	ug/L	-15	15	0.0000	
TCMX (PCB)	A	0.9951	0.8397	40.00	33.75	ug/L	**-16**	15	0.0000	c-
Aroclor-1016	B			500.0	428.3	ug/L	-14	15	0.0000	
Aroclor-1260	B			500.0	452.7	ug/L	-9	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1481	0.8678	40.00	30.24	ug/L	**-24**	15	0.0000	c-
TCMX (PCB)	B	0.9401	0.8138	40.00	34.62	ug/L	-13	15	0.0000	

ISTD (ICAL gc06_101623019)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10693236	9973447	-6.73
1-bromo-2-nitrobenzene (PCB)	A	3667875	3468805	-5.43

10/26/23 : 500 PPB PCB CCV

TRN 10/26/23 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

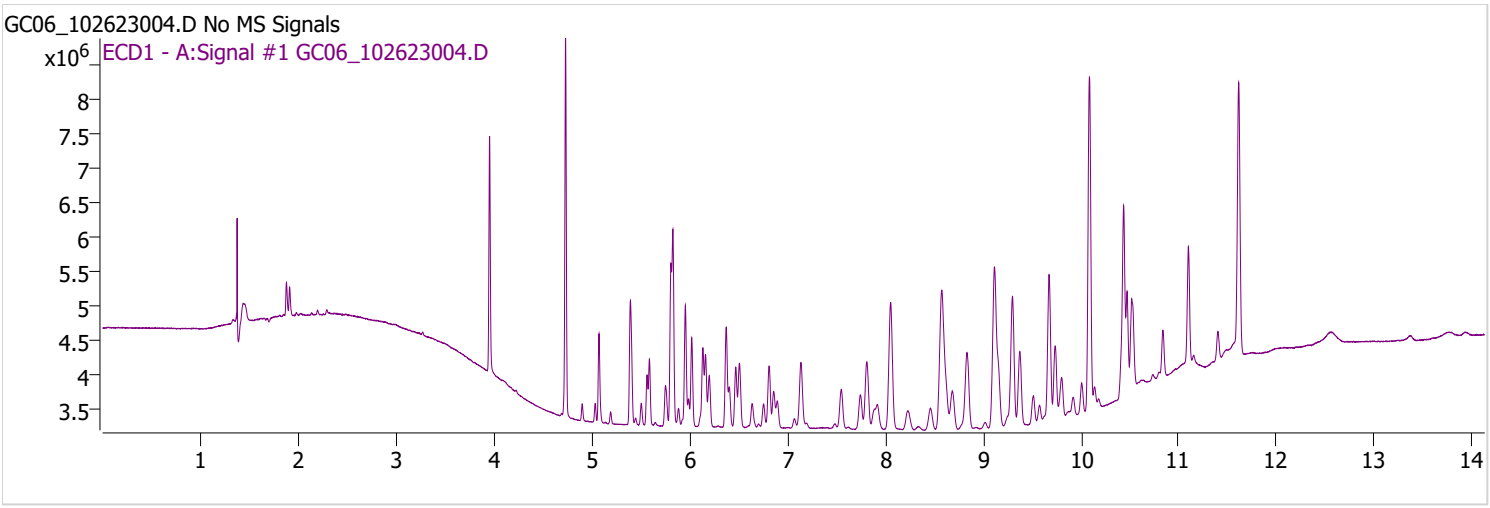
TRN 10/26/23 [Aroclor-1016 A]: Corrected baseline noise or negative peak for Ch. A.

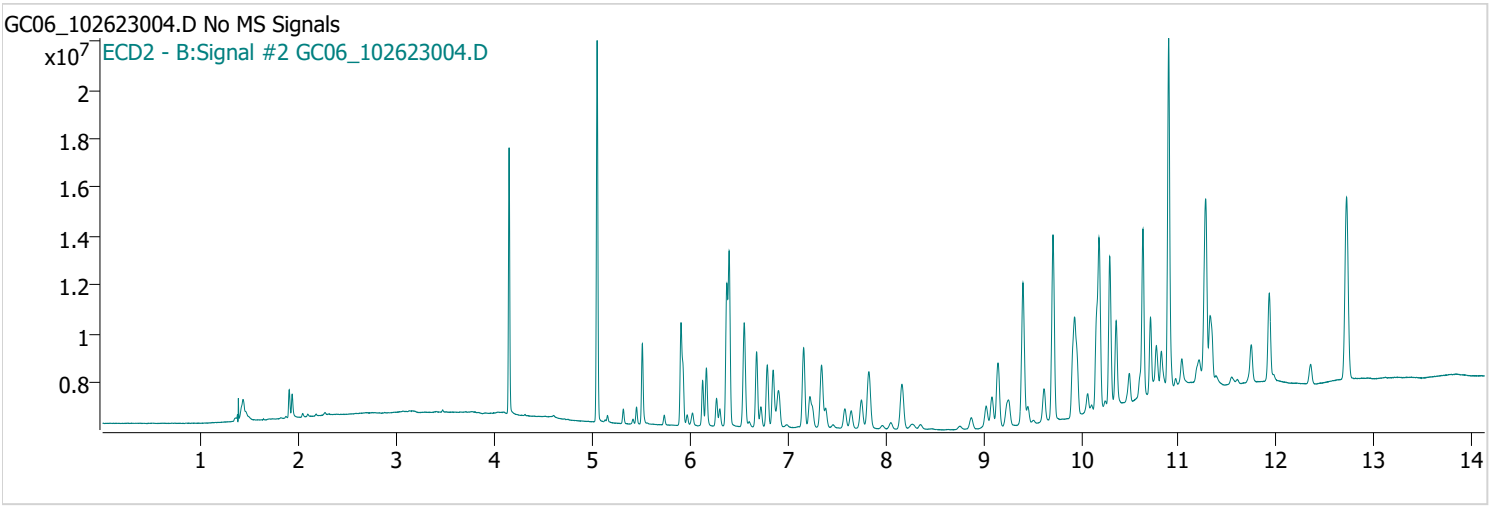
-=low bias c=CCV

Analyst: TRN 10/26/23 **Reviewer:** MTS 10/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_102623004.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/26/2023 12:37:33 PM
Sample Name	CCV, S19183	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_8.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	102623PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



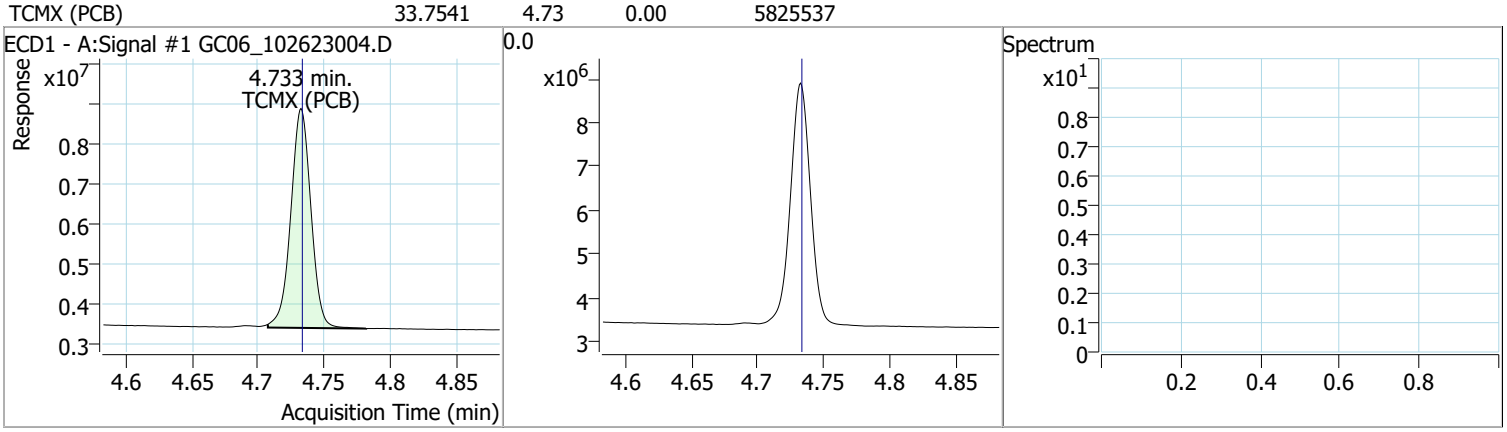


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.956	0.0	3468804.810	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.156	0.0	9973447.421	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.733	0.0	5825536.991	33.7541	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.77%		*	
S TCMX (PCB) #2	5.055	0.0	16232225.729	34.6238	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.12%		*	
S Decachlorobiphenyl (PCB)	11.612	0.0	7564453.362	34.1852	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.93%		*	
S Decachlorobiphenyl (PCB) #2	12.715	0.0	17310398.544	30.2365	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 151.18%		*	
Target Compounds							QValue

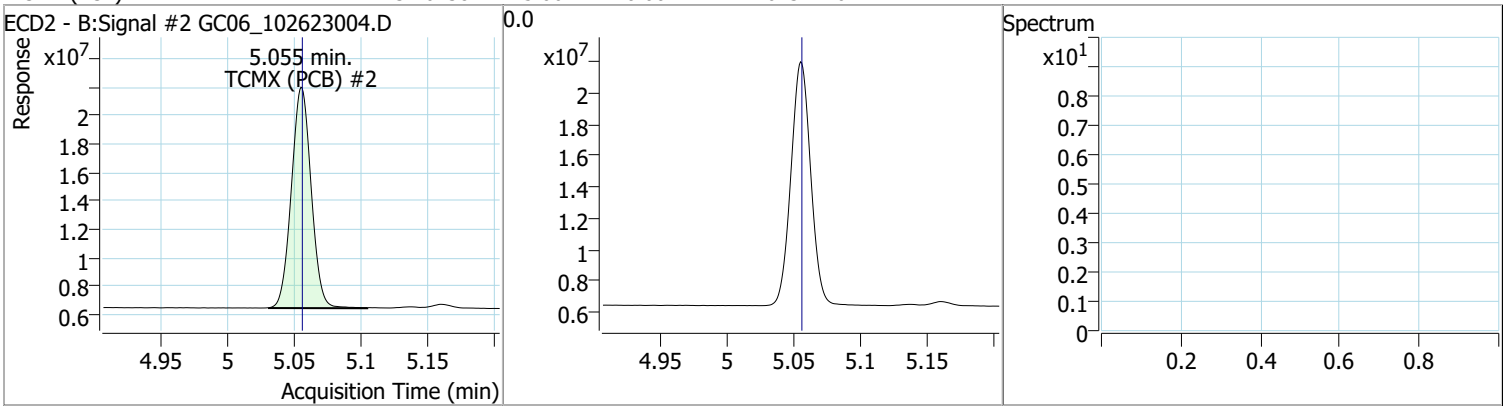
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.074	0.0	1573524.251	417.9475	ng/ml		100
T AR1016 2	5.395	0.0	2994522.182	396.2842	ng/ml	m	100
T AR1016 1 #2	5.518	0.0	4060773.263	440.3188	ng/ml		100
T AR1016 3	5.829	0.0	4297920.812	469.9820	ng/ml	m	100
T AR1016 2 #2	5.913	0.0	8116997.863	421.7438	ng/ml		100
T AR1016 4	5.957	0.0	2476899.264	409.2519	ng/ml		100
T AR1016 5	6.374	0.0	2332308.671	428.2380	ng/ml		100
T AR1016 3 #2	6.404	0.0	10725529.776	418.7949	ng/ml		100
T AR1016 4 #2	6.559	0.0	7444148.438	432.6828	ng/ml		100
T AR1016 5 #2	7.166	0.0	6085198.200	428.1258	ng/ml		100
T AR1260 1	8.055	0.0	4750930.045	453.0071	ng/ml		100
T AR1260 2	8.578	0.0	7348594.149	449.6745	ng/ml		100
T AR1260 3	9.116	0.0	7665670.696	446.7108	ng/ml		100
T AR1260 1 #2	9.408	0.0	11834177.345	448.1832	ng/ml		100
T AR1260 4	9.673	0.0	4115436.421	456.2338	ng/ml		100
T AR1260 2 #2	9.715	0.0	14309052.446	449.1597	ng/ml		100
T AR1260 3 #2	10.184	0.0	17984582.606	442.8585	ng/ml		100
T AR1260 5	10.436	0.0	5412623.020	470.2346	ng/ml		100
T AR1260 4 #2	10.634	0.0	11814642.150	478.5330	ng/ml	m	100
T AR1260 5 #2	11.275	0.0	16268539.257	444.6012	ng/ml		100

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

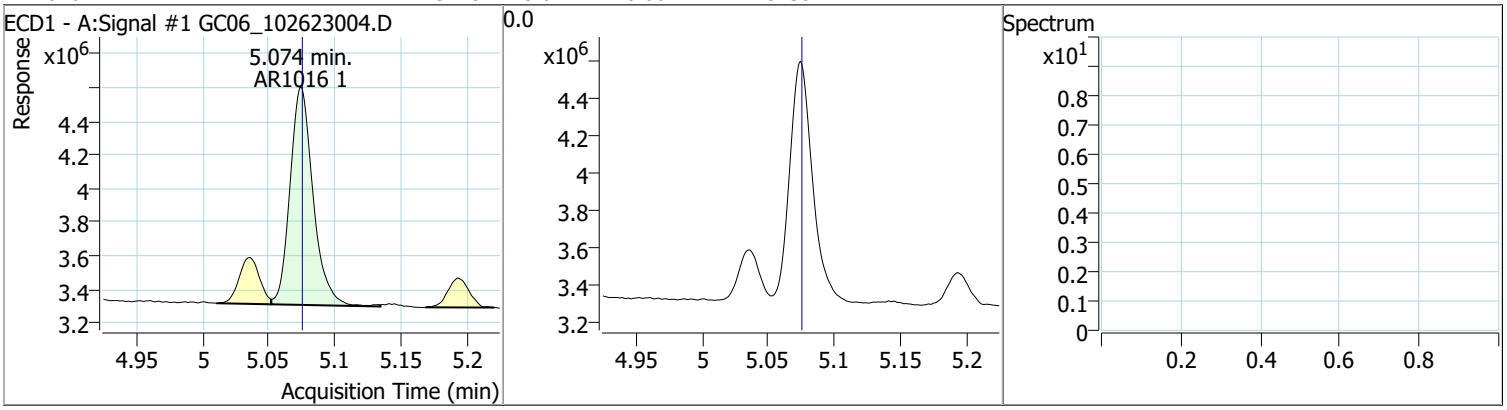
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.7541	4.73	0.00	5825537				



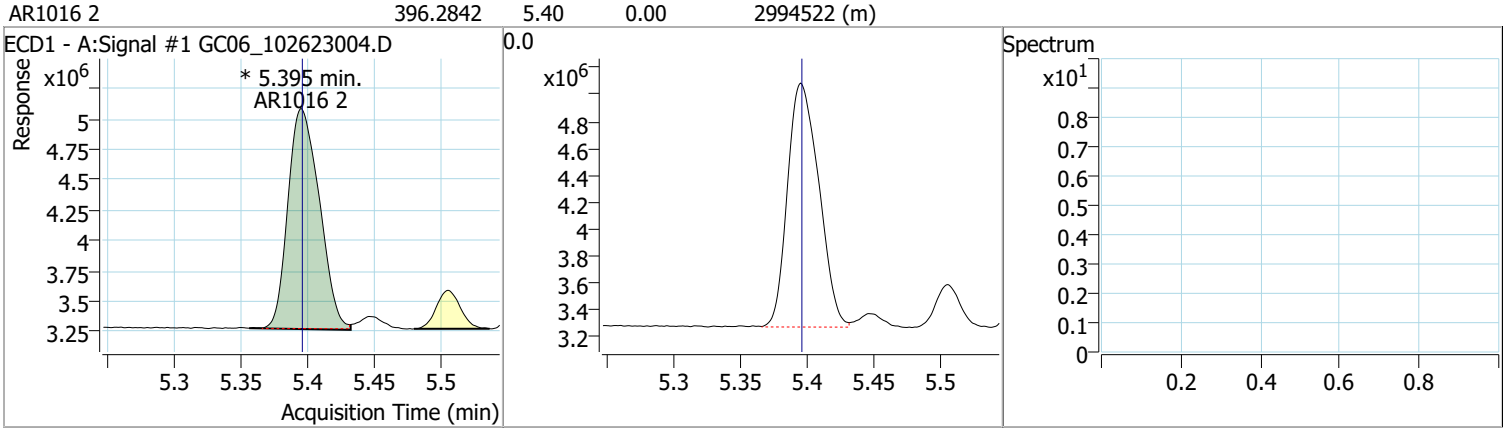
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TCMX (PCB) #2	34.6238	5.06	0.00	16232226				



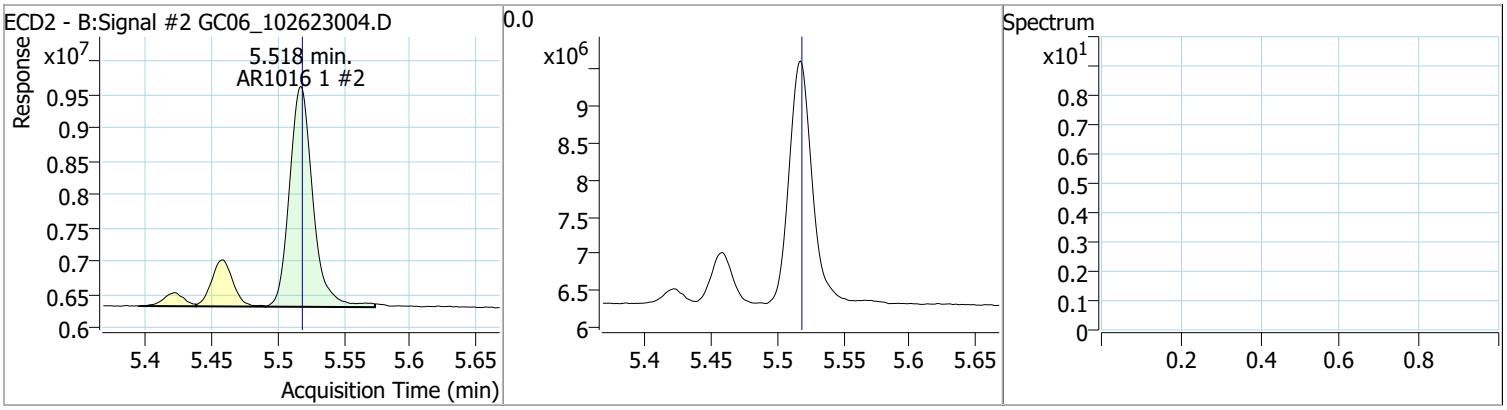
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	417.9475	5.07	0.00	1573524				



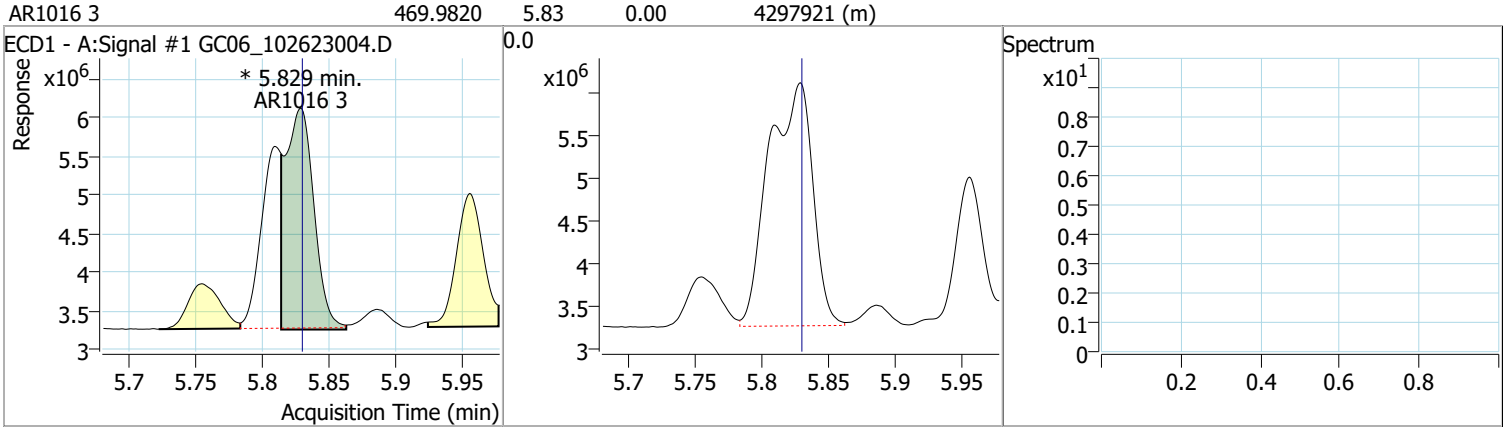
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AR1016 2	396.2842	5.40	0.00	2994522 (m)				



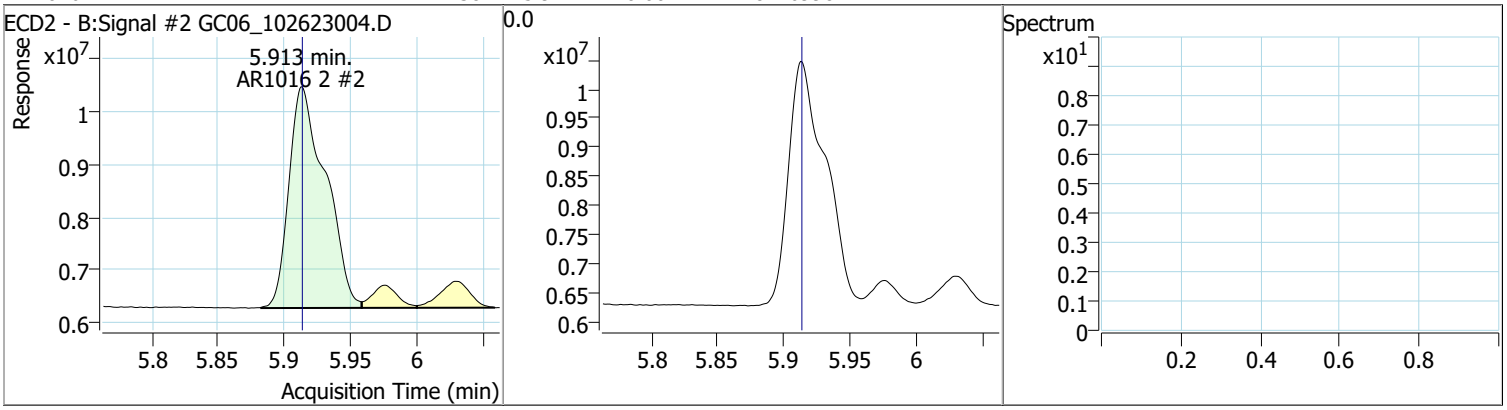
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	440.3188	5.52	0.00	4060773				



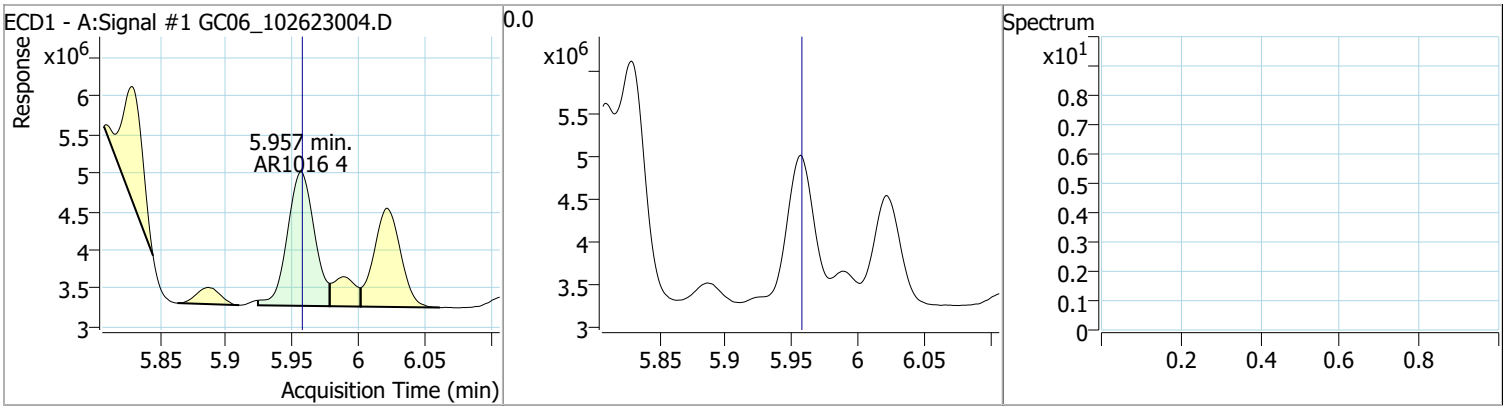
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	469.9820	5.83	0.00	4297921 (m)				



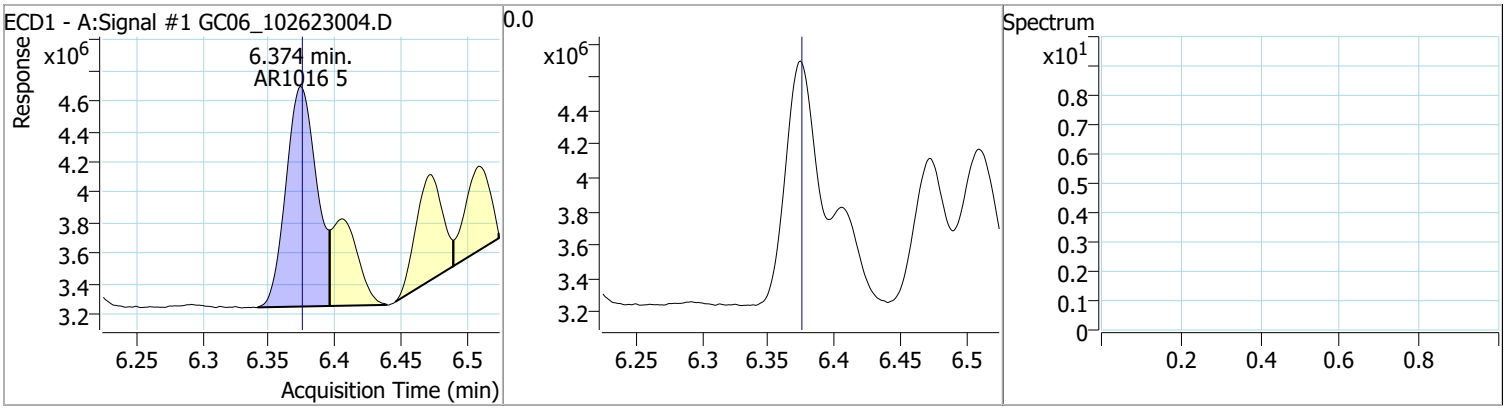
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	421.7438	5.91	0.00	8116998				



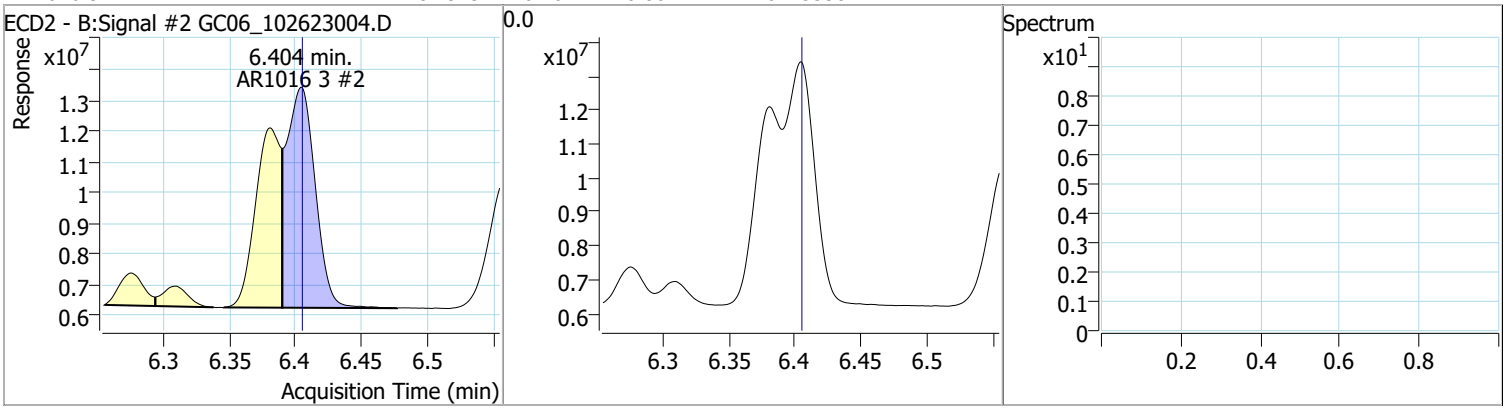
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	409.2519	5.96	0.00	2476899				



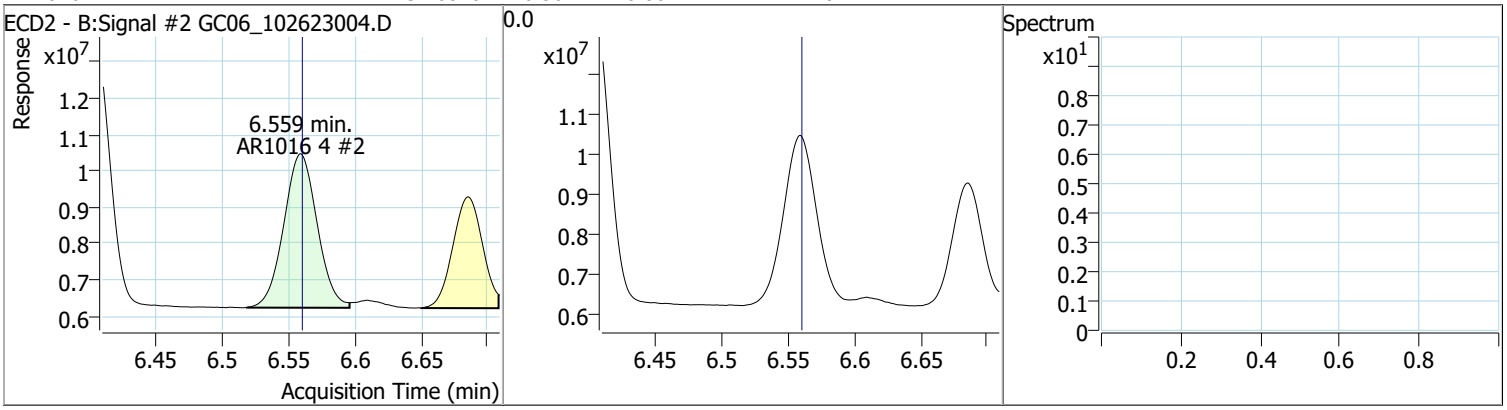
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	428.2380	6.37	0.00	2332309				



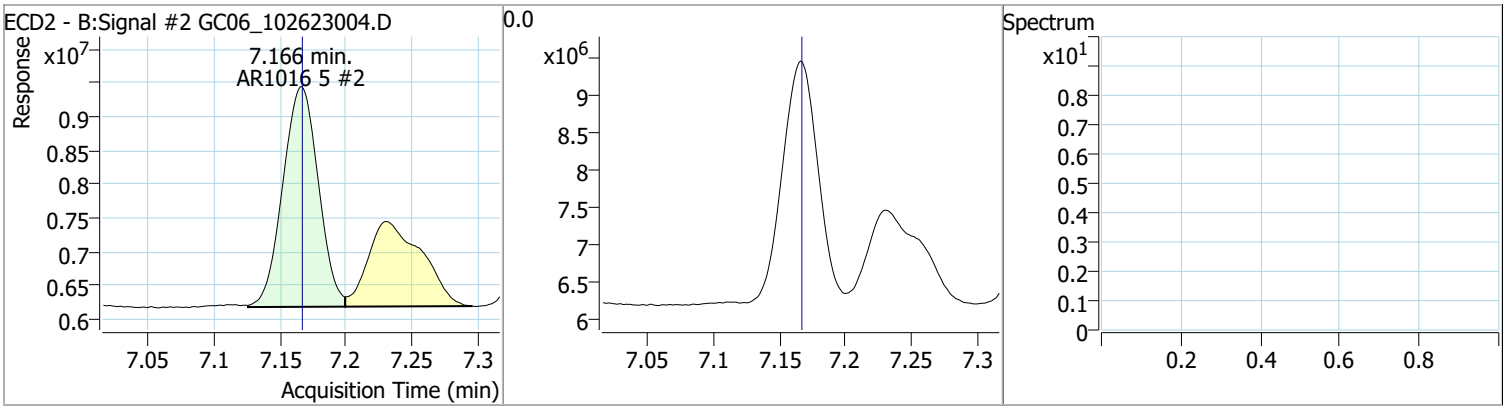
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	418.7949	6.40	0.00	10725530				



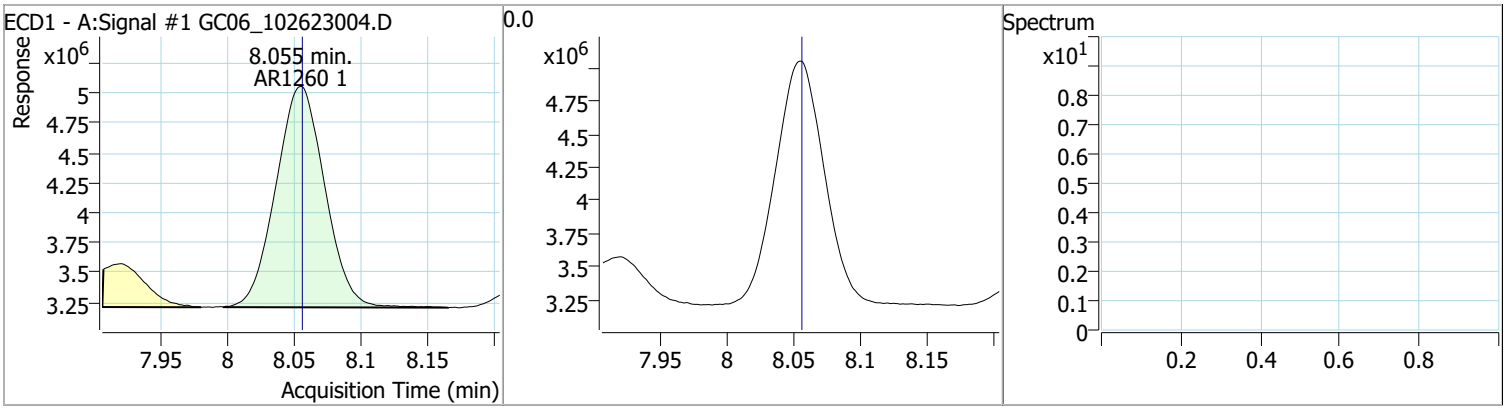
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	432.6828	6.56	0.00	7444148				



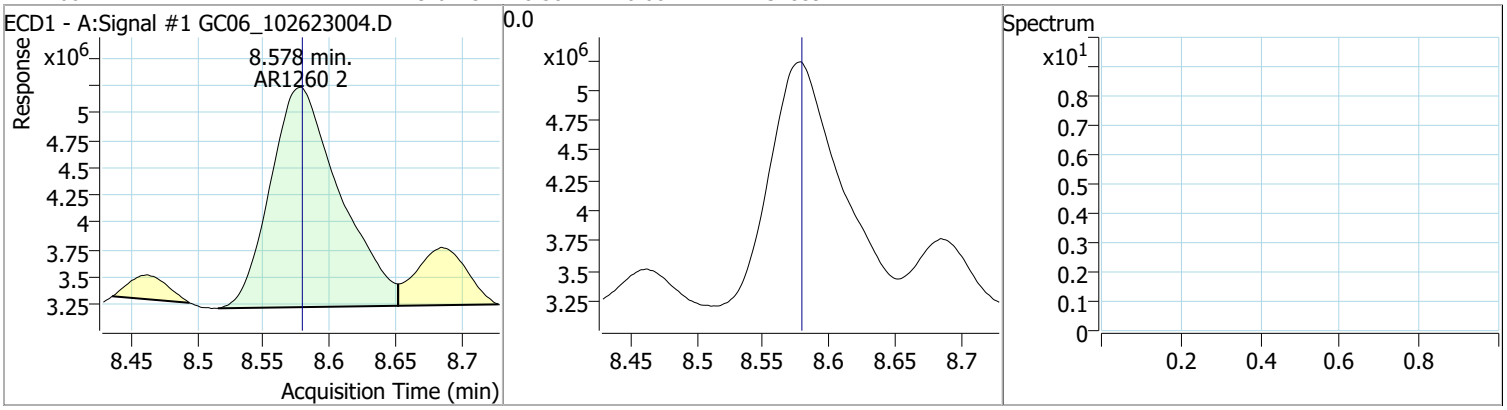
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	428.1258	7.17	0.00	6085198				



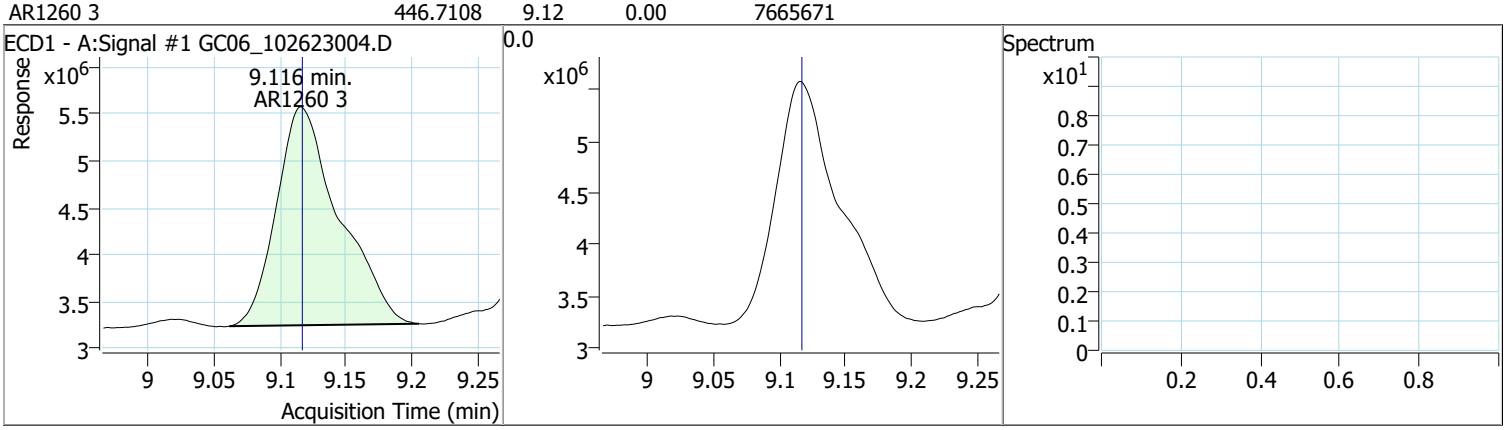
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	453.0071	8.06	0.00	4750930				



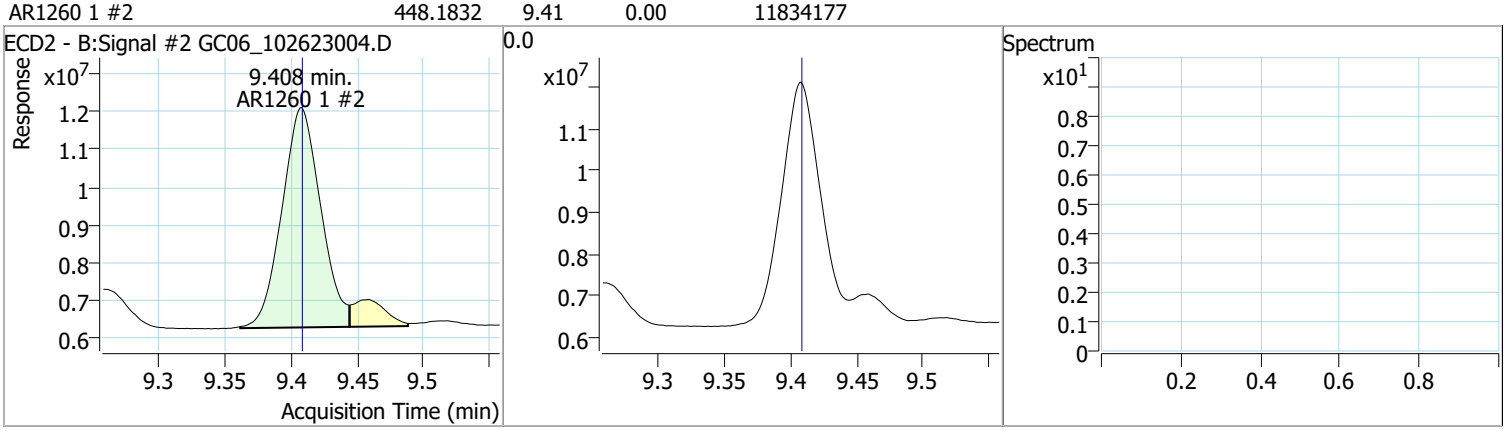
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	449.6745	8.58	0.00	7348594				



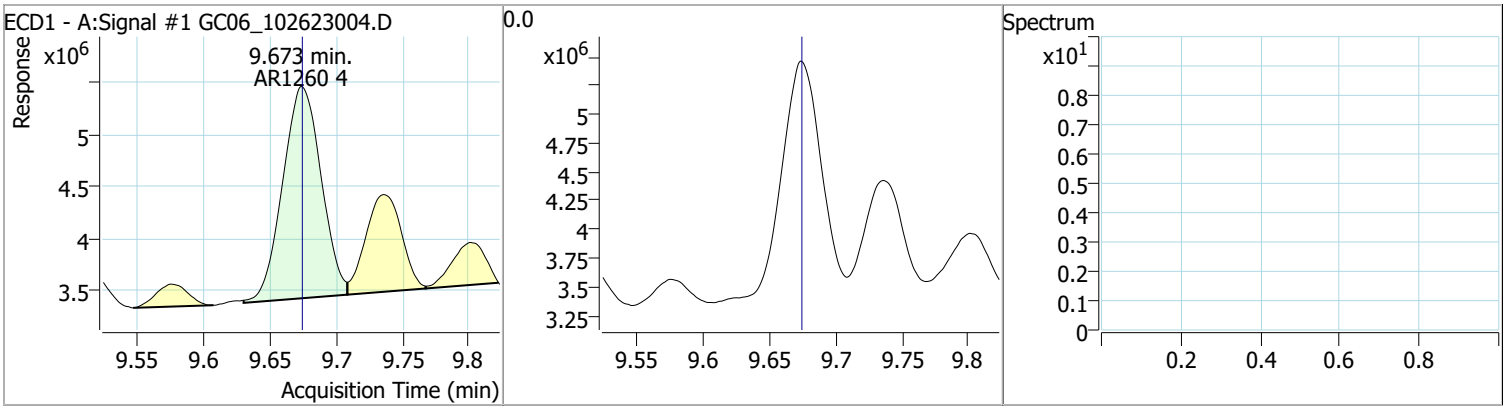
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	446.7108	9.12	0.00	7665671				



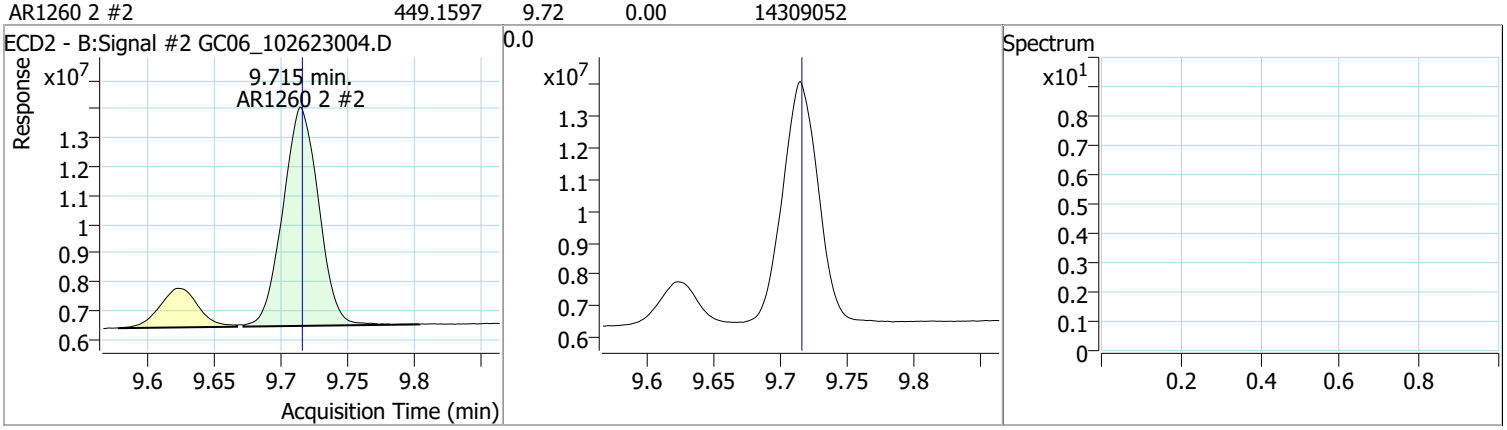
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	448.1832	9.41	0.00	11834177				



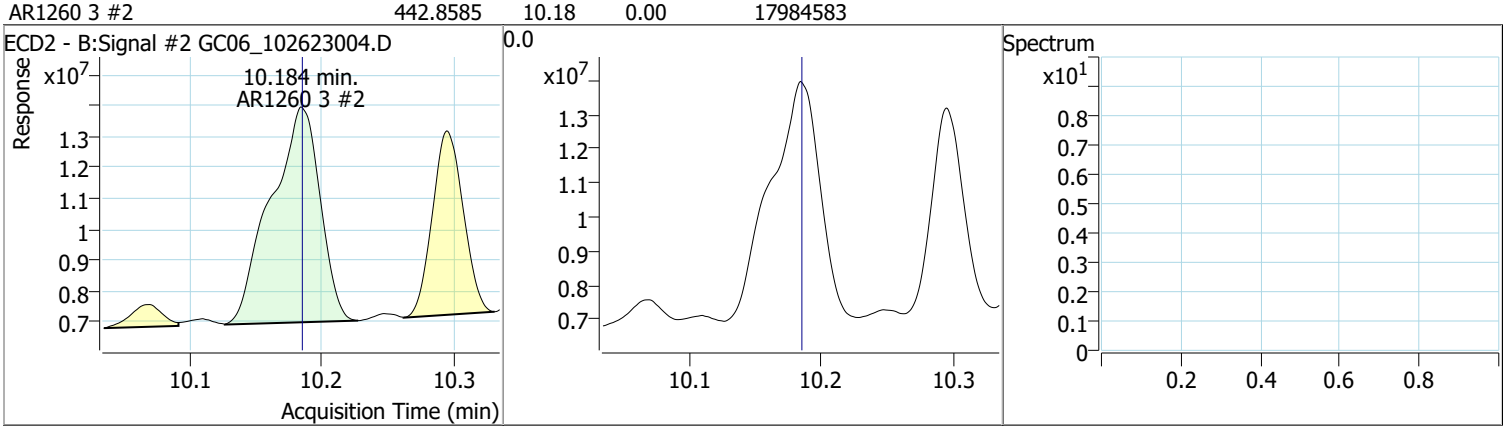
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	456.2338	9.67	0.00	4115436				



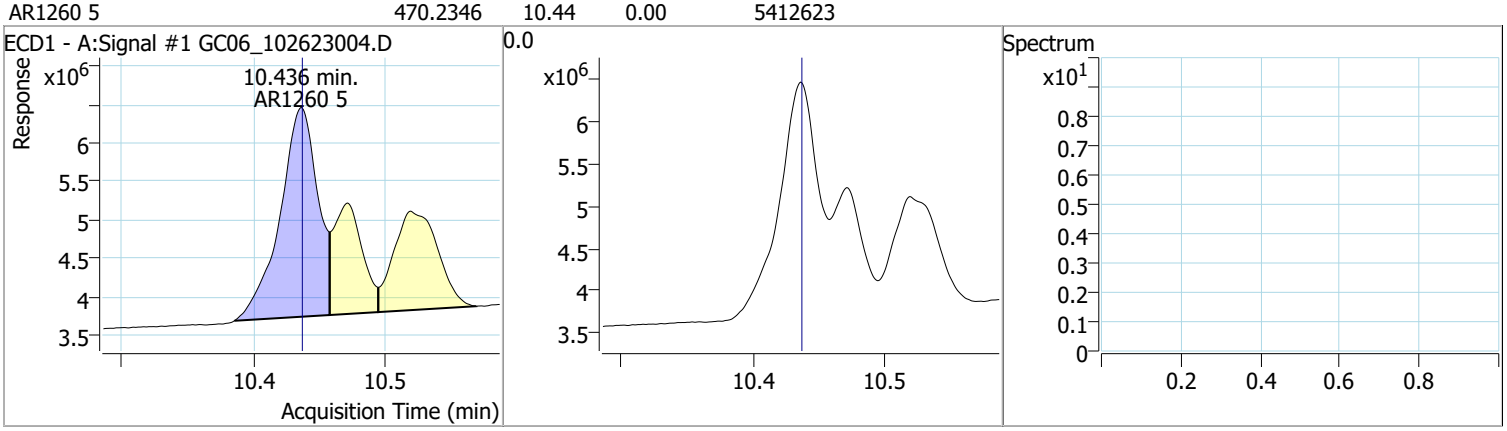
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	449.1597	9.72	0.00	14309052				



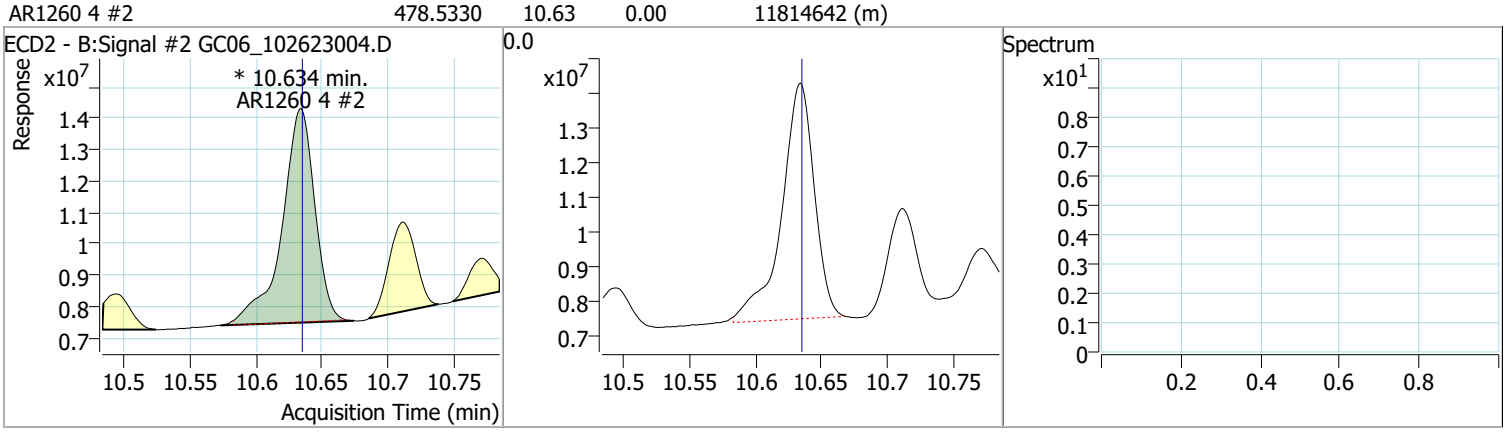
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	442.8585	10.18	0.00	17984583				



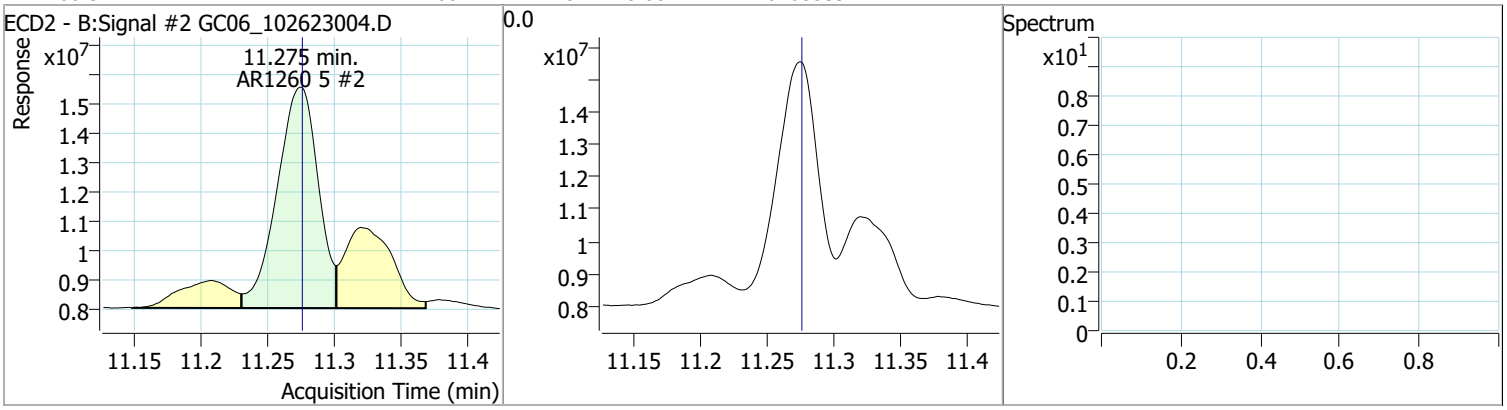
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	470.2346	10.44	0.00	5412623				



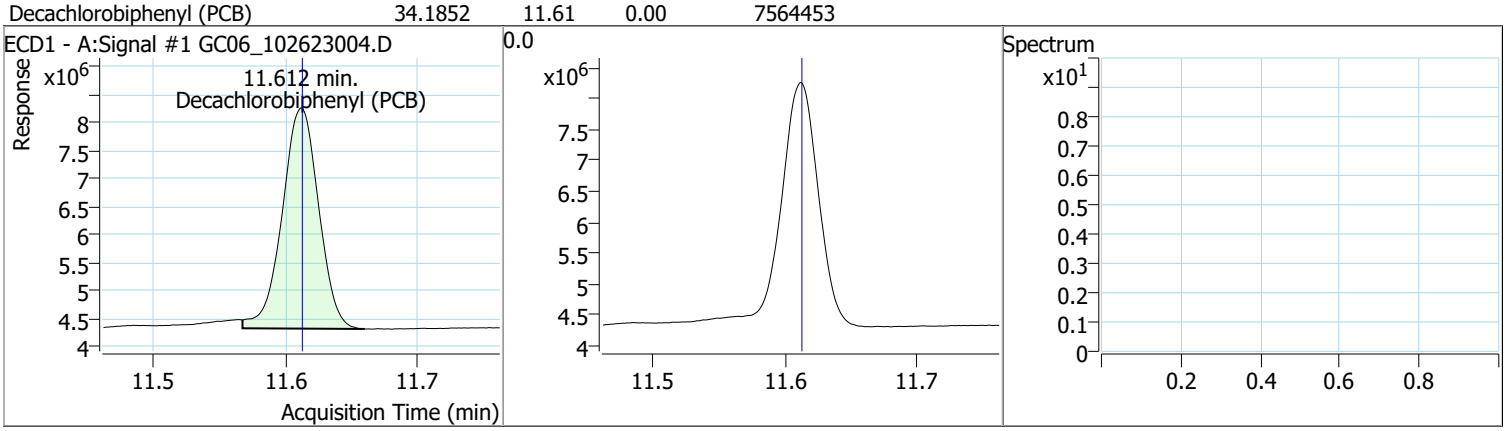
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	478.5330	10.63	0.00	11814642 (m)				



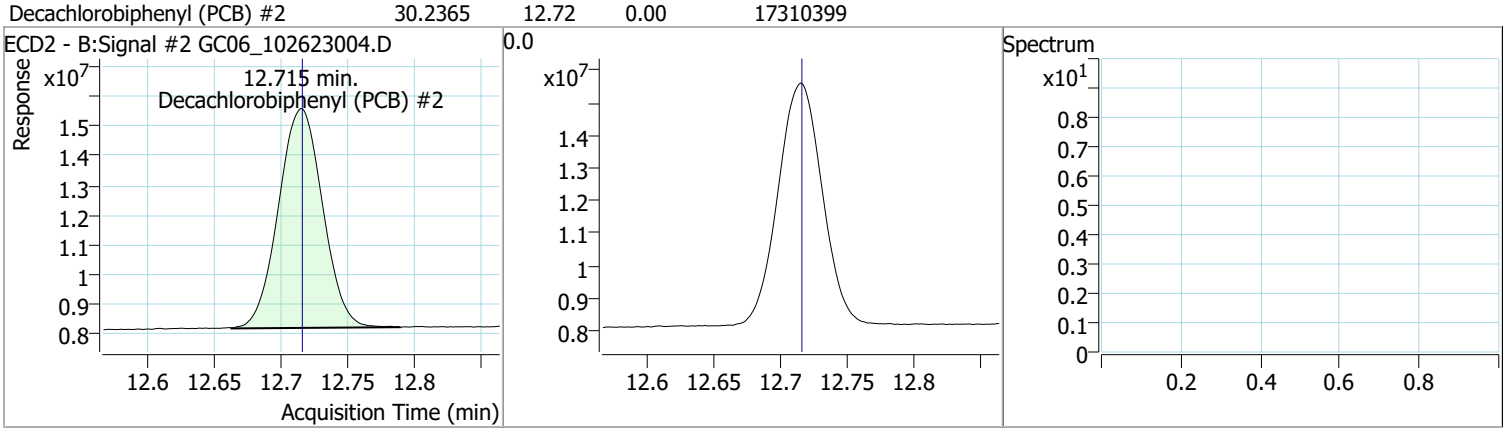
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	444.6012	11.28	0.00	16268539				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.1852	11.61	0.00	7564453				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.2365	12.72	0.00	17310399				



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

enthalpy.com

Lab Job Number: 494548
Report Level: IV
Report Date: 11/01/2023

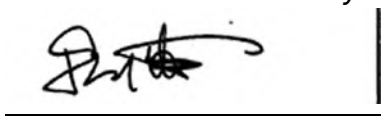
Metals

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 #:	494548
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/24/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-L-LA	494548-003	10/24/23 08:10	Wipe
AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-L-LA	494548-005	10/24/23 08:35	Wipe

ENTHALPY ANALYTICAL

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 494548 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/24/23

This data package contains sample and QC results for two wipe samples, requested for the above referenced project on 10/25/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

494548

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard: | 5 Day: | 3 Day:
2 Day: | 1 Day: | custom TAT:

X (PCBs) | X (PB)

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)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

	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-C8E-LAT-L3-UP-C8.1-DG-231024-P-LA	10/24/2023	0810	WP	1	--	X		
2	AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-DUP-LA	10/24/2023	0810	WP	1	--	X		
3	AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-L-LA	10/24/2023	0810	WP	1	--		X	
4	AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-P-LA	10/24/2023	0835	WP	1	--	X		
5	AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-L-LA	10/24/2023	0835	WP	1	--		X	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 5 Enclosure A/B (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/ENV Scientist	10/24/23 1320
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/24/23 13:20
2 Relinquished By:	Audrey Hudson	"	"	10/24/23 15:40
2 Received By:				10/24/23 15:40
3 Relinquished By:				10/24/23 17:02
3 Received By:		FEDEX		10/25/23 1040

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

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 10/24/23 Login # 494548 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

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

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

Date Opened 10/24/23 By (print) _____ (sign) _____

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

If no cooler: Sample Temp (°C): _____

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

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

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

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

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

Preservative added:

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

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

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

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

Section 6: Explanations / Comments

Date Logged 10/24/23 **By (print)** _____ **(sign)** _____

Date Labeled 10/24/23 **By (print)** _____ **(sign)** _____

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

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 10/25/23 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: 3.4 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 2.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

494548

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: OCT 25 2023

SOUTHWEST AIRLINES

Printed on:
24 OCT 19:22

526 OAK 9478 6565

SNA

PC# 3 OF 5 | DG G | LOT WT 245 LB (111.1 KG)

OAK WN 1979 25 OCT 08:15

STN FLT DATE ETD LOT 01

PC ID: 0003
PC WT: 49LB

526 94786565 0003

S

27/3.4

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 494548 **Project#:** 20-10491

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

Field ID:	AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-L-LA	**Batch#:** 325171	**Prep:** EPA 3050B
Type:	SAMPLE	**Sampled:** 10/24/23	**Analysis:** EPA 6010B
Lab ID:	494548-003	**Received:** 10/24/23	**Analyst:** SBW
Matrix:	Wipe	**Prepared:** 10/25/23	
Diln Fac:	1.000	**Analyzed:** 10/25/23	

494548-003 Analyte	Result	RL	Units
Lead	**52**	0.50	ug/ft2

Field ID:	AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-L-LA	**Batch#:** 325171	**Prep:** EPA 3050B
Type:	SAMPLE	**Sampled:** 10/24/23	**Analysis:** EPA 6010B
Lab ID:	494548-005	**Received:** 10/24/23	**Analyst:** SBW
Matrix:	Wipe	**Prepared:** 10/25/23	
Diln Fac:	1.000	**Analyzed:** 10/25/23	

494548-005 Analyte	Result	RL	Units
Lead	**73**	0.50	ug/ft2

Type:	BLANK	**Batch#:** 325171	**Analysis:** EPA 6010B
Lab ID:	QC1102570	**Prepared:** 10/25/23	**Analyst:** SBW
Matrix:	Wipe	**Analyzed:** 10/25/23	
Diln Fac:	1.000	**Prep:** EPA 3050B	

QC1102570 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 494548 **Project#:** 20-10491

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

Type: BS **Batch#:** 325171 **Analysis:** EPA 6010B

Lab ID: QC1102571 **Prepared:** 10/25/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/25/23

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

QC1102571 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	44.38	89	80-120	ug/ft2

Type: BSD **Batch#:** 325171 **Analysis:** EPA 6010B

Lab ID: QC1102572 **Prepared:** 10/25/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/25/23

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

QC1102572 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	44.86	90	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 494548 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	P B
494548-003	MET09	10/25/23 22:53	1.0	✓
494548-005	MET09	10/25/23 22:56	1.0	✓
QC1102570	MET09	10/25/23 21:59	1.0	✓
QC1102571	MET09	10/25/23 22:03	1.0	✓
QC1102572	MET09	10/25/23 22:06	1.0	✓

Enthalpy Sequence Summary for Sequence 673429961

Instrument: MET09 Begun: 10/25/23 14:01

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				10/25/23 14:01	1.0		
002	icp data	ICAL	L1			10/25/23 14:04	1.0	1	
003	icp data	ICAL	L2			10/25/23 14:07	1.0	2	
004	icp data	ICAL	L3			10/25/23 14:10	1.0	3	
005	icp data	ICAL	L4			10/25/23 14:13	1.0	4	
006	icp data	ICAL	L5			10/25/23 14:17	1.0	5	
007	icp data	ICAL	L6			10/25/23 14:20	1.0	6	
008	icp data	ICAL	L7			10/25/23 14:23	1.0	7	
009	icp data	ICAL	L8			10/25/23 14:26	1.0	8	
010	icp data	ICV				10/25/23 14:29	1.0	9	
011	icp data	ICB				10/25/23 14:32	1.0		
012	icp data	CRI				10/25/23 14:35	1.0	10	
013	icp data	ICSA				10/25/23 14:38	1.0	11	6:MGASMGCO3=1400
014	icp data	ICSAB				10/25/23 14:42	1.0	12	6:MGASMGCO3=1400
015	icp data	SAMPLE	494467-002	Water	325153	10/25/23 14:45	1.0	13	
016	icp data	SAMPLE	494467-003	Water	325153	10/25/23 14:48	1.0	13	
017	icp data	SAMPLE	494467-004	Water	325153	10/25/23 14:51	1.0	13	
018	icp data	SAMPLE	494467-005	Water	325153	10/25/23 14:54	1.0	13	
019	icp data	SAMPLE	494467-006	Water	325153	10/25/23 14:57	1.0	13	
020	icp data	SAMPLE	494467-007	Water	325153	10/25/23 15:00	1.0	13	
021	icp data	SAMPLE	494535-001	Water	325153	10/25/23 15:03	1.0	13	
022	icp data	MSS	494539-001	Water	325153	10/25/23 15:06	1.0	13	
023	icp data	MS	QC1102505	Water	325153	10/25/23 15:10	1.0	13	1:CAASCACO3=290
024	icp data	MSD	QC1102506	Water	325153	10/25/23 15:13	1.0	13	1:CAASCACO3=290
025	icp data	CCV				10/25/23 15:16	1.0	9	
026	icp data	CCB				10/25/23 15:19	1.0		
027	icp data	BLANK	QC1102495	Soil	325151	10/25/23 15:22	1.0	13	
028	icp data	LCS	QC1102496	Soil	325151	10/25/23 15:25	1.0	13	
029	icp data	SAMPLE	494413-001	Soil	325151	10/25/23 15:28	1.0	13	2:FE=210
030	icp data	SAMPLE	494413-002	Soil	325151	10/25/23 15:31	1.0	13	2:FE=260
031	icp data	SAMPLE	494462-001	Soil	325151	10/25/23 15:35	1.0	13	2:FE=170
032	icp data	SAMPLE	494462-002	Soil	325151	10/25/23 15:38	1.0	13	2:FE=170
033	icp data	MSS	494475-009	Soil	325151	10/25/23 15:41	1.0	13	4:ALASAL2O3=290
034	icp data	MS	QC1102497	Soil	325151	10/25/23 15:44	1.0	13	4:ALASAL2O3=400
035	icp data	MSD	QC1102498	Soil	325151	10/25/23 15:47	1.0	13	5:CAASCACO3=530
036	icp data	PDS	QC1102499	Soil	325151	10/25/23 15:50	1.0	13	4:ALASAL2O3=280
037	icp data	CCV				10/25/23 15:53	1.0	9	
038	icp data	CCB				10/25/23 15:56	1.0		
039	icp data	SAMPLE	494413-003	Soil	325151	10/25/23 15:59	1.0	13	2:FE=190
040	icp data	SAMPLE	494413-004	Soil	325151	10/25/23 16:02	1.0	13	4:FE=480
041	icp data	SAMPLE	494440-001	Soil	325151	10/25/23 16:05	1.0	13	2:FE=180
042	icp data	SAMPLE	494440-002	Soil	325151	10/25/23 16:08	1.0	13	2:FE=220
043	icp data	SAMPLE	494453-001	Miscell.	325151	10/25/23 16:11	1.0	13	2:AL=940
044	icp data	SAMPLE	494454-001	Miscell.	325151	10/25/23 16:14	1.0	13	2:FE=27
045	icp data	SAMPLE	494475-010	Soil	325151	10/25/23 16:18	1.0	13	2:FE=200
046	icp data	SAMPLE	494475-011	Soil	325151	10/25/23 16:21	1.0	13	2:FE=180
047	icp data	SAMPLE	494475-012	Soil	325151	10/25/23 16:24	1.0	13	2:FE=150
048	icp data	SAMPLE	494475-013	Soil	325151	10/25/23 16:30	1.0	13	2:FE=170
049	icp data	CCV				10/25/23 16:34	1.0	9	
050	icp data	CCB				10/25/23 16:37	1.0		

Instrument: MET09 Begun: 10/25/23 14:01
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
051	icp data	SAMPLE	494475-014	Soil	325151	10/25/23 16:40	1.0	13	2:FE=190
052	icp data	SAMPLE	494515-004	Soil	325151	10/25/23 16:43	1.0	13	2:FE=130
053	icp data	BLANK	QC1102302	Soil	325083	10/25/23 16:46	1.0	13	
054	icp data	LCS	QC1102303	Soil	325083	10/25/23 16:49	1.0	13	
055	icp data	SAMPLE	494370-017	Soil	325083	10/25/23 16:52	1.0	13	3:FE=190
056	icp data	SAMPLE	494370-018	Soil	325083	10/25/23 16:55	1.0	13	3:FE=180
057	icp data	MSS	494477-001	Soil	325083	10/25/23 16:58	1.0	13	6:CAASCACO3=1100
058	icp data	MS	QC1102304	Soil	325083	10/25/23 17:02	1.0	13	6:CAASCACO3=1200
059	icp data	MSD	QC1102305	Soil	325083	10/25/23 17:05	1.0	13	6:CAASCACO3=1300
060	icp data	PDS	QC1102306	Soil	325083	10/25/23 17:08	1.0	13	6:CAASCACO3=1100
061	icp data	CCV				10/25/23 17:11	1.0	9	
062	icp data	CCB				10/25/23 17:14	1.0		
063	icp data	SAMPLE	494521-001	Soil	325141	10/25/23 17:17	1.0	13	2:AL=200
064	icp data	SAMPLE	494521-002	Soil	325141	10/25/23 17:20	1.0	13	2:FE=120
065	icp data	SAMPLE	494521-009	Soil	325141	10/25/23 17:23	1.0	13	2:FE=92
066	icp data	SAMPLE	494521-010	Soil	325141	10/25/23 17:27	1.0	13	2:AL=260
067	icp data	SAMPLE	494521-017	Soil	325141	10/25/23 17:30	1.0	13	2:AL=310
068	icp data	SAMPLE	494521-018	Soil	325141	10/25/23 17:33	1.0	13	2:AL=320
069	icp data	SAMPLE	494521-022	Soil	325141	10/25/23 17:36	1.0	13	2:AL=180
070	icp data	SAMPLE	494585-001	Soil	325141	10/25/23 17:39	1.0	13	3:FE=150
071	icp data	SAMPLE	494585-002	Soil	325141	10/25/23 17:42	1.0	13	3:FE=160
072	icp data	SAMPLE	494585-003	Soil	325141	10/25/23 17:45	1.0	13	2:FE=160
073	icp data	CCV				10/25/23 17:48	1.0	9	
074	icp data	CCB				10/25/23 17:52	1.0		
075	icp data	LCS	QC1102262	Soil	325069	10/25/23 17:55	1.0	13	
076	icp data	MSS	494370-001	Miscell.	325069	10/25/23 17:58	1.0	13	5:FEASFE2O3=310
077	icp data	MS	QC1102263	Miscell.	325069	10/25/23 18:01	1.0	13	5:FEASFE2O3=320
078	icp data	MSD	QC1102264	Miscell.	325069	10/25/23 18:04	1.0	13	5:FEASFE2O3=310
079	icp data	PDS	QC1102265	Miscell.	325069	10/25/23 18:07	1.0	13	5:FEASFE2O3=300
080	icp data	SAMPLE	494370-002	Miscell.	325069	10/25/23 18:10	1.0	13	3:FE=190
081	icp data	SAMPLE	494370-003	Miscell.	325069	10/25/23 18:13	1.0	13	3:FE=210
082	icp data	SAMPLE	494370-016	Soil	325069	10/25/23 18:17	1.0	13	3:FE=180
083	icp data	SAMPLE	494451-001	Miscell.	325069	10/25/23 18:20	1.0	13	3:FE=110
084	icp data	SAMPLE	494452-001	Miscell.	325069	10/25/23 18:23	1.0	13	
085	icp data	CCV				10/25/23 18:26	1.0	9	
086	icp data	CCB				10/25/23 18:29	1.0		
087	icp data	SAMPLE	494480-001	Soil	325069	10/25/23 18:32	1.0	13	3:FE=240
088	icp data	SAMPLE	494480-003	Soil	325069	10/25/23 18:35	1.0	13	3:FE=240
089	icp data	SAMPLE	494480-005	Soil	325069	10/25/23 18:38	1.0	13	3:FE=210
090	icp data	SAMPLE	494480-007	Soil	325069	10/25/23 18:41	1.0	13	3:FE=230
091	icp data	LCS	QC1102168	Soil	325042	10/25/23 18:45	1.0	13	
092	icp data	MSS	494325-002	Soil	325042	10/25/23 18:48	1.0	13	4:FEASFE2O3=190
093	icp data	MS	QC1102169	Soil	325042	10/25/23 18:51	1.0	13	4:ALASAL2O3=210
094	icp data	MSD	QC1102170	Soil	325042	10/25/23 18:54	1.0	13	4:ALASAL2O3=200
095	icp data	PDS	QC1102171	Soil	325042	10/25/23 18:57	1.0	13	4:FEASFE2O3=190
096	icp data	SAMPLE	494325-003	Soil	325042	10/25/23 19:00	1.0	13	2:FE=130
097	icp data	CCV				10/25/23 19:03	1.0	9	
098	icp data	CCB				10/25/23 19:06	1.0		
099	icp data	SAMPLE	494325-004	Soil	325042	10/25/23 19:10	1.0	13	2:FE=110
100	icp data	SAMPLE	494325-005	Soil	325042	10/25/23 19:13	1.0	13	2:FE=110

Enthalpy Sequence Summary for Sequence 673429961

Instrument: MET09 Begun: 10/25/23 14:01

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
101	icp data	SAMPLE	494325-006	Soil	325042	10/25/23 19:16	1.0	13	2:FE=110
102	icp data	SAMPLE	494325-007	Soil	325042	10/25/23 19:19	1.0	13	2:FE=140
103	icp data	SAMPLE	494325-008	Soil	325042	10/25/23 19:22	1.0	13	2:FE=130
104	icp data	SAMPLE	494325-009	Soil	325042	10/25/23 19:25	1.0	13	2:FE=120
105	icp data	SAMPLE	494325-010	Soil	325042	10/25/23 19:28	1.0	13	2:FE=100
106	icp data	SAMPLE	494325-011	Soil	325042	10/25/23 19:31	1.0	13	2:FE=100
107	icp data	SAMPLE	494325-012	Soil	325042	10/25/23 19:34	1.0	13	2:FE=130
108	icp data	SAMPLE	494325-013	Soil	325042	10/25/23 19:38	1.0	13	3:FE=250
109	icp data	CCV				10/25/23 19:41	1.0	9	
110	icp data	CCB				10/25/23 19:44	1.0		
111	icp data	SAMPLE	494325-014	Soil	325042	10/25/23 19:47	1.0	13	2:FE=160
112	icp data	SAMPLE	494325-015	Soil	325042	10/25/23 19:50	1.0	13	2:FE=130
113	icp data	SAMPLE	494325-016	Soil	325042	10/25/23 19:53	1.0	13	3:FE=210
114	icp data	SAMPLE	494325-017	Soil	325042	10/25/23 19:56	1.0	13	2:FE=130
115	icp data	SAMPLE	494325-018	Soil	325042	10/25/23 19:59	1.0	13	2:FE=150
116	icp data	SAMPLE	494325-019	Soil	325042	10/25/23 20:03	1.0	13	2:FE=160
117	icp data	SAMPLE	494325-020	Soil	325042	10/25/23 20:06	1.0	13	2:FE=120
118	icp data	BLANK	QC1102567	Wipe	325170	10/25/23 20:29	1.0	13	
119	icp data	BS	QC1102568	Wipe	325170	10/25/23 20:32	1.0	13	
120	icp data	BSD	QC1102569	Wipe	325170	10/25/23 20:35	1.0	13	
121	icp data	CCV				10/25/23 20:38	1.0	9	
122	icp data	CCB				10/25/23 20:41	1.0		
123	icp data	SAMPLE	494537-001	Wipe	325170	10/25/23 20:44	1.0	13	1:FE=38
124	icp data	SAMPLE	494537-003	Wipe	325170	10/25/23 20:48	1.0	13	1:FE=81
125	icp data	SAMPLE	494537-004	Wipe	325170	10/25/23 20:51	1.0	13	1:FE=120
126	icp data	SAMPLE	494537-005	Wipe	325170	10/25/23 20:54	1.0	13	1:FE=76
127	icp data	SAMPLE	494537-006	Wipe	325170	10/25/23 20:57	1.0	13	1:FE=130
128	icp data	SAMPLE	494537-008	Wipe	325170	10/25/23 21:00	1.0	13	1:FE=120
129	icp data	SAMPLE	494537-009	Wipe	325170	10/25/23 21:03	1.0	13	1:FE=98
130	icp data	SAMPLE	494537-010	Wipe	325170	10/25/23 21:06	1.0	13	1:FE=110
131	icp data	SAMPLE	494537-011	Wipe	325170	10/25/23 21:09	1.0	13	3:ZN=370
132	icp data	SAMPLE	494537-012	Wipe	325170	10/25/23 21:13	1.0	13	1:FE=110
133	icp data	CCV				10/25/23 21:16	1.0	9	
134	icp data	CCB				10/25/23 21:19	1.0		
135	icp data	SAMPLE	494537-013	Wipe	325170	10/25/23 21:22	1.0	13	1:FE=160
136	icp data	SAMPLE	494537-014	Wipe	325170	10/25/23 21:25	1.0	13	1:FE=110
137	icp data	SAMPLE	494537-015	Wipe	325170	10/25/23 21:28	1.0	13	1:FE=170
138	icp data	SAMPLE	494537-016	Wipe	325170	10/25/23 21:31	1.0	13	1:FE=80
139	icp data	SAMPLE	494537-017	Wipe	325170	10/25/23 21:34	1.0	13	1:FE=80
140	icp data	SAMPLE	494537-018	Wipe	325170	10/25/23 21:38	1.0	13	1:FE=66
141	icp data	SAMPLE	494537-019	Wipe	325170	10/25/23 21:41	1.0	13	1:FE=61
142	icp data	SAMPLE	494537-020	Wipe	325170	10/25/23 21:44	1.0	13	2:FE=52
143	icp data	SAMPLE	494537-021	Wipe	325170	10/25/23 21:47	1.0	13	1:FE=49
144	icp data	SAMPLE	494537-023	Wipe	325170	10/25/23 21:50	1.0	13	1:FE=53
145	icp data	CCV				10/25/23 21:53	1.0	9	
146	icp data	CCB				10/25/23 21:56	1.0		
147	icp data	BLANK	QC1102570	Wipe	325171	10/25/23 21:59	1.0	13	
148	icp data	BS	QC1102571	Wipe	325171	10/25/23 22:03	1.0	13	
149	icp data	BSD	QC1102572	Wipe	325171	10/25/23 22:06	1.0	13	
150	icp data	SAMPLE	494537-024	Wipe	325171	10/25/23 22:09	1.0	13	1:FE=58

Enthalpy Sequence Summary for Sequence 673429961

Instrument: MET09 Begun: 10/25/23 14:01

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
151	icp data	SAMPLE	494537-025	Wipe	325171	10/25/23 22:12	1.0	13	1:FE=68
152	icp data	SAMPLE	494537-027	Wipe	325171	10/25/23 22:15	1.0	13	1:FE=53
153	icp data	SAMPLE	494537-028	Wipe	325171	10/25/23 22:18	1.0	13	1:FE=58
154	icp data	SAMPLE	494537-030	Wipe	325171	10/25/23 22:21	1.0	13	1:FE=28
155	icp data	SAMPLE	494537-031	Wipe	325171	10/25/23 22:24	1.0	13	2:FE=49
156	icp data	SAMPLE	494537-032	Wipe	325171	10/25/23 22:28	1.0	13	
157	icp data	CCV				10/25/23 22:31	1.0	9	
158	icp data	CCB				10/25/23 22:34	1.0		
159	icp data	SAMPLE	494537-033	Wipe	325171	10/25/23 22:37	1.0	13	
160	icp data	SAMPLE	494537-034	Wipe	325171	10/25/23 22:40	1.0	13	
161	icp data	SAMPLE	494537-035	Wipe	325171	10/25/23 22:43	1.0	13	
162	icp data	SAMPLE	494537-036	Wipe	325171	10/25/23 22:46	1.0	13	1:FE=130
163	icp data	SAMPLE	494547-001	Wipe	325171	10/25/23 22:50	1.0	13	1:FE=30
164	icp data	SAMPLE	494548-003	Wipe	325171	10/25/23 22:53	1.0	13	1:FE=59
165	icp data	SAMPLE	494548-005	Wipe	325171	10/25/23 22:56	1.0	13	1:FE=36
166	icp data	BLANK	QC1102545	Air	325162	10/25/23 22:59	1.0	13	
167	icp data	BS	QC1102546	Air	325162	10/25/23 23:02	1.0	13	
168	icp data	BSD	QC1102547	Air	325162	10/25/23 23:05	1.0	13	
169	icp data	CCV				10/25/23 23:08	1.0	9	
170	icp data	CCB				10/25/23 23:11	1.0		
171	icp data	SAMPLE	494584-001	Air	325162	10/25/23 23:15	1.0	13	
172	icp data	SAMPLE	494584-003	Air	325162	10/25/23 23:18	1.0	13	
173	icp data	SAMPLE	494584-005	Air	325162	10/25/23 23:21	1.0	13	
174	icp data	BLANK	QC1102548	WET Leachate	325164	10/25/23 23:24	1.0	13	
175	icp data	BS	QC1102549	WET Leachate	325164	10/25/23 23:27	1.0	13	
176	icp data	BSD	QC1102550	WET Leachate	325164	10/25/23 23:30	1.0	13	
177	icp data	SAMPLE	493732-001	WET Leachate	325164	10/25/23 23:33	5.0	13	
178	icp data	SAMPLE	493734-001	WET Leachate	325164	10/25/23 23:36	5.0	13	
179	icp data	SAMPLE	493953-002	WET Leachate	325164	10/25/23 23:40	5.0	13	
180	icp data	SAMPLE	494418-001	WET Leachate	325164	10/25/23 23:43	5.0	13	
181	icp data	CCV				10/25/23 23:46	1.0	9	
182	icp data	CCB				10/25/23 23:49	1.0		
183	icp data	SAMPLE	494420-001	WET Leachate	325164	10/25/23 23:52	5.0	13	
184	icp data	CCV				10/25/23 23:55	1.0	9	
185	icp data	CCB				10/25/23 23:58	1.0		
186	icp data	BLANK	QC1102736	Water	325232	10/26/23 00:01	1.0	13	
187	icp data	LCS	QC1102737	Water	325232	10/26/23 00:05	1.0	13	
188	icp data	SAMPLE	494535-001	Water	325232	10/26/23 00:08	1.0	13	
189	icp data	SAMPLE	494569-001	Water	325232	10/26/23 00:11	1.0	13	
190	icp data	MSS	494619-019	Water	325232	10/26/23 00:14	1.0	13	
191	icp data	MS	QC1102738	Water	325232	10/26/23 00:17	1.0	13	
192	icp data	MSD	QC1102739	Water	325232	10/26/23 00:20	1.0	13	
193	icp data	BLANK	QC1102710	Water	325226	10/26/23 00:23	1.0	13	
194	icp data	LCS	QC1102711	Water	325226	10/26/23 00:27	1.0	13	
195	icp data	SAMPLE	494493-001	Water	325226	10/26/23 00:30	1.0	13	2:NA=1200
196	icp data	CCV				10/26/23 00:33	1.0	9	
197	icp data	CCB				10/26/23 00:36	1.0		
198	icp data	SAMPLE	494524-001	Water	325226	10/26/23 00:39	1.0	13	1:B=18
199	icp data	MSS	494629-001	Water	325226	10/26/23 00:42	1.0	13	
200	icp data	MS	QC1102712	Water	325226	10/26/23 00:45	1.0	13	

Enthalpy Sequence Summary for Sequence 673429961

Instrument: MET09 Begun: 10/25/23 14:01
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
201	icp data	MSD	QC1102713	Water	325226	10/26/23 00:48	1.0	13	
202	icp data	SAMPLE	494650-001	Water	325226	10/26/23 00:52	1.0	13	
203	icp data	SAMPLE	494650-002	Water	325226	10/26/23 00:55	1.0	13	
204	icp data	SAMPLE	494650-003	Water	325226	10/26/23 00:58	1.0	13	
205	icp data	CCV				10/26/23 01:01	1.0	9	
206	icp data	CCB				10/26/23 01:04	1.0		

SBW 10/25/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 026.

Standards Used:
1=S19164 2=S19163 3=S19162 4=S19161 5=S19156 6=S19112 7=S19241 8=S18727 9=S19239 10=S19240 11=S19107 12=S19108 13=S14463

Enthalpy Internal Standard Summary for Sequence 673429961

Date: 10/25/23 Reference: icp data

Sequence: MET09 10/25/23 Analyzed: 10/25/23 14:01

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	414112	112427
		LOWER LIMIT	124234	33728
		UPPER LIMIT	828225	224854
011	ICB		417246	115337
013	ICSA		373921	105984
014	ICSAB		374290	105779
015	SAMPLE	494467-002	402582	112131
016	SAMPLE	494467-003	396305	110657
017	SAMPLE	494467-004	403196	112848
018	SAMPLE	494467-005	398210	111178
019	SAMPLE	494467-006	402333	112669
020	SAMPLE	494467-007	401764	110646
021	SAMPLE	494535-001	394418	106040
022	MSS	494539-001	408362	114778
023	MS	QC1102505	401439	113206
024	MSD	QC1102506	399134	113000
025	CCV		402663	111867
026	CCB		418094	114664
027	BLANK	QC1102495	415994	117466
028	LCS	QC1102496	413769	117905
029	SAMPLE	494413-001	398498	115195
030	SAMPLE	494413-002	407633	115206
031	SAMPLE	494462-001	410167	117730
032	SAMPLE	494462-002	413594	119219
033	MSS	494475-009	408360	117120
034	MS	QC1102497	407501	118604
035	MSD	QC1102498	410302	119804
036	PDS	QC1102499	410258	117336
037	CCV		410371	112938
038	CCB		426391	116909
039	SAMPLE	494413-003	402020	115159
040	SAMPLE	494413-004	441533	126340
041	SAMPLE	494440-001	415020	119046
042	SAMPLE	494440-002	421787	121392
043	SAMPLE	494453-001	412018	120044
044	SAMPLE	494454-001	419701	119035
045	SAMPLE	494475-010	409846	116460
046	SAMPLE	494475-011	413844	118392
047	SAMPLE	494475-012	412885	117938
048	SAMPLE	494475-013	424564	118961
049	CCV		409658	112555
050	CCB		425555	116378
051	SAMPLE	494475-014	413698	119222
052	SAMPLE	494515-004	410288	116575
053	BLANK	QC1102302	423924	119136
054	LCS	QC1102303	417305	117776
055	SAMPLE	494370-017	412754	117088
056	SAMPLE	494370-018	412794	118097
057	MSS	494477-001	428153	120344
058	MS	QC1102304	421375	121136
059	MSD	QC1102305	422579	121929

Enthalpy Internal Standard Summary for Sequence 673429961

Date:	10/25/23	Reference:	icp data
Sequence:	MET09 10/25/23	Analyzed:	10/25/23 14:01

#	Type	Sample ID	Y A	Y R
060	PDS	QC1102306	419960	118564
061	CCV		412235	111335
062	CCB		426391	115196
063	SAMPLE	494521-001	416151	118821
064	SAMPLE	494521-002	412769	116014
065	SAMPLE	494521-009	419753	117020
066	SAMPLE	494521-010	417199	118612
067	SAMPLE	494521-017	421546	119882
068	SAMPLE	494521-018	420594	120618
069	SAMPLE	494521-022	420115	118400
070	SAMPLE	494585-001	412008	115380
071	SAMPLE	494585-002	410020	114185
072	SAMPLE	494585-003	413594	114736
073	CCV		412439	112031
074	CCB		431367	117349
075	LCS	QC1102262	426384	118579
076	MSS	494370-001	417362	117687
077	MS	QC1102263	417622	118042
078	MSD	QC1102264	418237	118661
079	PDS	QC1102265	419504	117845
080	SAMPLE	494370-002	418475	117164
081	SAMPLE	494370-003	415678	117014
082	SAMPLE	494370-016	422580	118152
083	SAMPLE	494451-001	418774	116249
084	SAMPLE	494452-001	425112	117931
085	CCV		418355	113255
086	CCB		1057955 *	117380
087	SAMPLE	494480-001	419108	118225
088	SAMPLE	494480-003	424325	119009
089	SAMPLE	494480-005	423894	118987
090	SAMPLE	494480-007	419514	118212
091	LCS	QC1102168	430667	118219
092	MSS	494325-002	426459	118042
093	MS	QC1102169	424202	118297
094	MSD	QC1102170	424212	117993
095	PDS	QC1102171	426128	117253
096	SAMPLE	494325-003	427958	118404
097	CCV		1081862 *	116317
098	CCB		1061522 *	116112
099	SAMPLE	494325-004	423138	117109
100	SAMPLE	494325-005	426336	117533
101	SAMPLE	494325-006	427104	117747
102	SAMPLE	494325-007	423484	117837
103	SAMPLE	494325-008	424783	117312
104	SAMPLE	494325-009	423891	117432
105	SAMPLE	494325-010	425869	117671
106	SAMPLE	494325-011	426833	117200
107	SAMPLE	494325-012	424241	117806
108	SAMPLE	494325-013	430818	118666
109	CCV		1068637 *	114018
110	CCB		1067511 *	116599
111	SAMPLE	494325-014	424941	117674

Enthalpy Internal Standard Summary for Sequence 673429961

Date:	10/25/23	Reference:	icp data
Sequence:	MET09 10/25/23	Analyzed:	10/25/23 14:01

#	Type	Sample ID	Y A	Y R
112	SAMPLE	494325-015	428141	119481
113	SAMPLE	494325-016	438528	122770
114	SAMPLE	494325-017	427202	118595
115	SAMPLE	494325-018	426118	118800
116	SAMPLE	494325-019	425286	117871
117	SAMPLE	494325-020	425068	117326
118	BLANK	QC1102567	442580	120509
119	BS	QC1102568	445357	122406
120	BSD	QC1102569	446125	123204
121	CCV		422762	112348
122	CCB		436761	116827
123	SAMPLE	494537-001	445751	122834
124	SAMPLE	494537-003	437436	119380
125	SAMPLE	494537-004	438076	119416
126	SAMPLE	494537-005	435904	120246
127	SAMPLE	494537-006	435106	118706
128	SAMPLE	494537-008	439006	120524
129	SAMPLE	494537-009	442228	121076
130	SAMPLE	494537-010	431117	118116
131	SAMPLE	494537-011	439734	119198
132	SAMPLE	494537-012	430106	118117
133	CCV		428231	113607
134	CCB		443032	117659
135	SAMPLE	494537-013	437403	119240
136	SAMPLE	494537-014	437883	119934
137	SAMPLE	494537-015	441953	120397
138	SAMPLE	494537-016	446373	121335
139	SAMPLE	494537-017	441665	120530
140	SAMPLE	494537-018	444464	121399
141	SAMPLE	494537-019	443849	119980
142	SAMPLE	494537-020	445742	120291
143	SAMPLE	494537-021	446875	121638
144	SAMPLE	494537-023	450987	122430
145	CCV		428068	113188
146	CCB		444186	117829
147	BLANK	QC1102570	444752	121567
148	BS	QC1102571	451686	122861
149	BSD	QC1102572	446527	122672
150	SAMPLE	494537-024	441785	120079
151	SAMPLE	494537-025	431884	118706
152	SAMPLE	494537-027	434083	119381
153	SAMPLE	494537-028	429686	118688
154	SAMPLE	494537-030	441000	121281
155	SAMPLE	494537-031	435603	118914
156	SAMPLE	494537-032	448453	122116
157	CCV		429786	114172
158	CCB		447307	118990
159	SAMPLE	494537-033	444488	120795
160	SAMPLE	494537-034	446217	122298
161	SAMPLE	494537-035	454187	123229
162	SAMPLE	494537-036	443155	119799
163	SAMPLE	494547-001	456711	122342

Enthalpy Internal Standard Summary for Sequence 673429961

Date:	10/25/23	Reference:	icp data
Sequence:	MET09 10/25/23	Analyzed:	10/25/23 14:01

#	Type	Sample ID	Y A	Y R
164	SAMPLE	494548-003	449550	122077
165	SAMPLE	494548-005	457348	123746
166	BLANK	QC1102545	449469	121157
167	BS	QC1102546	446831	121742
168	BSD	QC1102547	446030	120540
169	CCV		430968	113856
170	CCB		449642	117459
171	SAMPLE	494584-001	444722	122247
172	SAMPLE	494584-003	449815	120889
173	SAMPLE	494584-005	454258	122473
181	CCV		428386	113661
182	CCB		445625	118086
184	CCV		429348	112939
185	CCB		444864	116367
186	BLANK	QC1102736	434607	116993
187	LCS	QC1102737	428153	115174
188	SAMPLE	494535-001	419039	113082
189	SAMPLE	494569-001	417844	112377
190	MSS	494619-019	427933	116818
191	MS	QC1102738	424743	114312
192	MSD	QC1102739	425573	116369
193	BLANK	QC1102710	449207	117285
194	LCS	QC1102711	433481	114414
195	SAMPLE	494493-001	402359	102043
196	CCV		420658	111655
197	CCB		438558	116575
198	SAMPLE	494524-001	415591	107452
199	MSS	494629-001	418347	110625
200	MS	QC1102712	419533	110898
201	MSD	QC1102713	418256	110663
202	SAMPLE	494650-001	431754	113529
203	SAMPLE	494650-002	436348	114750
204	SAMPLE	494650-003	431647	114490
205	CCV		426665	115223
206	CCB		441376	117778

ENTHALPY INITIAL CALIBRATION FOR 494548 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	673429961001	Date:	25-OCT-2023 14:01
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	673429961002	L1	25-OCT-2023 14:04	S19164
L2	icp data	673429961003	L2	25-OCT-2023 14:07	S19163
L3	icp data	673429961004	L3	25-OCT-2023 14:10	S19162
L4	icp data	673429961005	L4	25-OCT-2023 14:13	S19161
L5	icp data	673429961006	L5	25-OCT-2023 14:17	S19156
L6	icp data	673429961007	L6	25-OCT-2023 14:20	S19112

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00396	1.59E-4		4928.2	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	983.72	3475.5	6199.9	6391.7	6247.2	6271.2

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	34	0.0100	-5	0.1000	3	1.0000	2	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09		
Calnum:	673429961001	Cal Date:	25-OCT-2023

- ICV 673429961010 (25-OCT-2023) stds: S19239

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.011	mg/L	1	10	

ENTHALPY INSTRUMENT BLANK FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961011	File:	icp data	Time:	25-OCT-2023 14:32
Cal:	673429961001	Caldate:	25-OCT-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	414112	417246	0.76
Yttrium	R	112427	115337	2.59

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961013	File:	icp data	Time:	25-OCT-2023 14:38
Cal:	673429961001	Caldate:	25-OCT-2023		

Standards: S19107

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.007747]	0.003333	mg/L	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	414.9	mg/L	104	
Aluminum as Al2O3	A	755.8	783.9	mg/L	104	
Iron	A	160.0	156.1	mg/L	98	
Iron as Fe2O3	A	228.8	223.2	mg/L	98	
Calcium	R	400.0	401.7	mg/L	100	
Calcium as CaCO3	R	998.9	1003	mg/L	100	
Magnesium	R	400.0	411.4	mg/L	103	
Magnesium as MgCO3	R	1388	1427	mg/L	103	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	414112	373921	-9.71
Yttrium	R	112427	105984	-5.73

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961014	File:	icp data	Time:	25-OCT-2023 14:42
Cal:	673429961001	Caldate:	25-OCT-2023		

Standards: S19108

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.038	mg/L	4	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	414112	374290	-9.62
Yttrium	R	112427	105779	-5.91

ENTHALPY CONTINUING CALIBRATION FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961145	File:	icp data	Time:	25-OCT-2023 21:53
Cal:	673429961001	Caldate:	25-OCT-2023		

Standards: S19239

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	4928.2	6309.5	1.000	0.9968	mg/L	0	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	414112	428068	3.37
Yttrium	R	112427	113188	0.68

ENTHALPY INSTRUMENT BLANK FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961146	File:	icp data	Time:	25-OCT-2023 21:56
Cal:	673429961001	Caldate:	25-OCT-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	414112	444186	7.26
Yttrium	R	112427	117829	4.81

ENTHALPY CONTINUING CALIBRATION FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961157	File:	icp data	Time:	25-OCT-2023 22:31
Cal:	673429961001	Caldate:	25-OCT-2023		

Standards: S19239

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	4928.2	6261.0	1.000	0.9892	mg/L	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	414112	429786	3.78
Yttrium	R	112427	114172	1.55

ENTHALPY INSTRUMENT BLANK FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961158	File:	icp data	Time:	25-OCT-2023 22:34
Cal:	673429961001	Caldate:	25-OCT-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	414112	447307	8.02
Yttrium	R	112427	118990	5.84

ENTHALPY CONTINUING CALIBRATION FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961169	File:	icp data	Time:	25-OCT-2023 23:08
Cal:	673429961001	Caldate:	25-OCT-2023		

Standards: S19239

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	4928.2	6225.5	1.000	0.9836	mg/L	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	414112	430968	4.07
Yttrium	R	112427	113856	1.27

ENTHALPY INSTRUMENT BLANK FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961170	File:	icp data	Time:	25-OCT-2023 23:11
Cal:	673429961001	Caldate:	25-OCT-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	414112	449642	8.58
Yttrium	R	112427	117459	4.48

SAMPLE PREPARATION SUMMARY

Batch #:	325171	Method:	3050B	Analysis:	ICP
Started By:	MTY	Prep Date:	25-OCT-2023 15:02	Finished By:	MTY

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18800	Spike S18799	Analysis
494537-024	Wipe	1 ft2	50 mL	50.0				6010
494537-025	Wipe	1 ft2	50 mL	50.0				6010
494537-027	Wipe	1 ft2	50 mL	50.0				6010
494537-028	Wipe	1 ft2	50 mL	50.0				6010
494537-030	Wipe	1.0414 ft2	50 mL	48.01				6010
494537-031	Wipe	1 ft2	50 mL	50.0				6010
494537-032	Wipe	1 ft2	50 mL	50.0				6010
494537-033	Wipe	1 ft2	50 mL	50.0				6010
494537-034	Wipe	1 ft2	50 mL	50.0				6010
494537-035	Wipe	1 ft2	50 mL	50.0				6010
494537-036	Wipe	1 ft2	50 mL	50.0				6010
494547-001	Wipe	1 ft2	50 mL	50.0				6010
494548-003	Wipe	1 ft2	50 mL	50.0				6010
494548-005	Wipe	1 ft2	50 mL	50.0				6010
QC1102570 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1102571 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1102572 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP

Analyst: SBW 10/26/23

Reviewer: MCP 10/26/23

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

Initials: My / ML Prep Method: 3050B / 1420.2 / Other: _____ QC Batch #: 325171 Therm ID/Corr Factor: 942650 / 1.0

Prep Start, Date/Time: 10/25/23 15:02 Prep End, Date/Time: 10-25-23 16:57 HotBlock Temp (Obs/Cor), °C: 96 / 96

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	----	----	-----	1 ft²		50		
LCS / LCSD	----	----	-----	↓		↓		
494537-24	A		WIPE	↓		↓		
-25	↓		↓	↓		↓		
-27				↓				
-28				↓				
-30				1.0414				
-31				↓				
-32								
-33								
-34								
-35								
-36								
547-1								
548-3								
↓ -5	↓		↓	↓		↓		

Hydrochloric Acid ID: 10ml 24002692

Nitric Acid ID: 10ml 202305248I

H_2O_2 ID: 3ml 227111

LCS Spike ID: 0.5ml 518799, 518800

MS/MSD Spike ID: _____

Gold Std ID: _____

ICP Raw Data

Enthalpy Sequence Summary for Sequence 673429961

Instrument: MET09 Begun: 10/25/23 14:01

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				10/25/23 14:01	1.0		
002	icp data	ICAL	L1			10/25/23 14:04	1.0	1	
003	icp data	ICAL	L2			10/25/23 14:07	1.0	2	
004	icp data	ICAL	L3			10/25/23 14:10	1.0	3	
005	icp data	ICAL	L4			10/25/23 14:13	1.0	4	
006	icp data	ICAL	L5			10/25/23 14:17	1.0	5	
007	icp data	ICAL	L6			10/25/23 14:20	1.0	6	
008	icp data	ICAL	L7			10/25/23 14:23	1.0	7	
009	icp data	ICAL	L8			10/25/23 14:26	1.0	8	
010	icp data	ICV				10/25/23 14:29	1.0	9	
011	icp data	ICB				10/25/23 14:32	1.0		
012	icp data	CRI				10/25/23 14:35	1.0	10	
013	icp data	ICSA				10/25/23 14:38	1.0	11	6:MGASMGCO3=1400
014	icp data	ICSAB				10/25/23 14:42	1.0	12	6:MGASMGCO3=1400
015	icp data	SAMPLE	494467-002	Water	325153	10/25/23 14:45	1.0	13	
016	icp data	SAMPLE	494467-003	Water	325153	10/25/23 14:48	1.0	13	
017	icp data	SAMPLE	494467-004	Water	325153	10/25/23 14:51	1.0	13	
018	icp data	SAMPLE	494467-005	Water	325153	10/25/23 14:54	1.0	13	
019	icp data	SAMPLE	494467-006	Water	325153	10/25/23 14:57	1.0	13	
020	icp data	SAMPLE	494467-007	Water	325153	10/25/23 15:00	1.0	13	
021	icp data	SAMPLE	494535-001	Water	325153	10/25/23 15:03	1.0	13	
022	icp data	MSS	494539-001	Water	325153	10/25/23 15:06	1.0	13	
023	icp data	MS	QC1102505	Water	325153	10/25/23 15:10	1.0	13	1:CAASCACO3=290
024	icp data	MSD	QC1102506	Water	325153	10/25/23 15:13	1.0	13	1:CAASCACO3=290
025	icp data	CCV				10/25/23 15:16	1.0	9	
026	icp data	CCB				10/25/23 15:19	1.0		
027	icp data	BLANK	QC1102495	Soil	325151	10/25/23 15:22	1.0	13	
028	icp data	LCS	QC1102496	Soil	325151	10/25/23 15:25	1.0	13	
029	icp data	SAMPLE	494413-001	Soil	325151	10/25/23 15:28	1.0	13	2:FE=210
030	icp data	SAMPLE	494413-002	Soil	325151	10/25/23 15:31	1.0	13	2:FE=260
031	icp data	SAMPLE	494462-001	Soil	325151	10/25/23 15:35	1.0	13	2:FE=170
032	icp data	SAMPLE	494462-002	Soil	325151	10/25/23 15:38	1.0	13	2:FE=170
033	icp data	MSS	494475-009	Soil	325151	10/25/23 15:41	1.0	13	4:ALASAL2O3=290
034	icp data	MS	QC1102497	Soil	325151	10/25/23 15:44	1.0	13	4:ALASAL2O3=400
035	icp data	MSD	QC1102498	Soil	325151	10/25/23 15:47	1.0	13	5:CAASCACO3=530
036	icp data	PDS	QC1102499	Soil	325151	10/25/23 15:50	1.0	13	4:ALASAL2O3=280
037	icp data	CCV				10/25/23 15:53	1.0	9	
038	icp data	CCB				10/25/23 15:56	1.0		
039	icp data	SAMPLE	494413-003	Soil	325151	10/25/23 15:59	1.0	13	2:FE=190
040	icp data	SAMPLE	494413-004	Soil	325151	10/25/23 16:02	1.0	13	4:FE=480
041	icp data	SAMPLE	494440-001	Soil	325151	10/25/23 16:05	1.0	13	2:FE=180
042	icp data	SAMPLE	494440-002	Soil	325151	10/25/23 16:08	1.0	13	2:FE=220
043	icp data	SAMPLE	494453-001	Miscell.	325151	10/25/23 16:11	1.0	13	2:AL=940
044	icp data	SAMPLE	494454-001	Miscell.	325151	10/25/23 16:14	1.0	13	2:FE=27
045	icp data	SAMPLE	494475-010	Soil	325151	10/25/23 16:18	1.0	13	2:FE=200
046	icp data	SAMPLE	494475-011	Soil	325151	10/25/23 16:21	1.0	13	2:FE=180
047	icp data	SAMPLE	494475-012	Soil	325151	10/25/23 16:24	1.0	13	2:FE=150
048	icp data	SAMPLE	494475-013	Soil	325151	10/25/23 16:30	1.0	13	2:FE=170
049	icp data	CCV				10/25/23 16:34	1.0	9	
050	icp data	CCB				10/25/23 16:37	1.0		

Instrument: MET09 Begun: 10/25/23 14:01
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
051	icp data	SAMPLE	494475-014	Soil	325151	10/25/23 16:40	1.0	13	2:FE=190
052	icp data	SAMPLE	494515-004	Soil	325151	10/25/23 16:43	1.0	13	2:FE=130
053	icp data	BLANK	QC1102302	Soil	325083	10/25/23 16:46	1.0	13	
054	icp data	LCS	QC1102303	Soil	325083	10/25/23 16:49	1.0	13	
055	icp data	SAMPLE	494370-017	Soil	325083	10/25/23 16:52	1.0	13	3:FE=190
056	icp data	SAMPLE	494370-018	Soil	325083	10/25/23 16:55	1.0	13	3:FE=180
057	icp data	MSS	494477-001	Soil	325083	10/25/23 16:58	1.0	13	6:CAASCACO3=1100
058	icp data	MS	QC1102304	Soil	325083	10/25/23 17:02	1.0	13	6:CAASCACO3=1200
059	icp data	MSD	QC1102305	Soil	325083	10/25/23 17:05	1.0	13	6:CAASCACO3=1300
060	icp data	PDS	QC1102306	Soil	325083	10/25/23 17:08	1.0	13	6:CAASCACO3=1100
061	icp data	CCV				10/25/23 17:11	1.0	9	
062	icp data	CCB				10/25/23 17:14	1.0		
063	icp data	SAMPLE	494521-001	Soil	325141	10/25/23 17:17	1.0	13	2:AL=200
064	icp data	SAMPLE	494521-002	Soil	325141	10/25/23 17:20	1.0	13	2:FE=120
065	icp data	SAMPLE	494521-009	Soil	325141	10/25/23 17:23	1.0	13	2:FE=92
066	icp data	SAMPLE	494521-010	Soil	325141	10/25/23 17:27	1.0	13	2:AL=260
067	icp data	SAMPLE	494521-017	Soil	325141	10/25/23 17:30	1.0	13	2:AL=310
068	icp data	SAMPLE	494521-018	Soil	325141	10/25/23 17:33	1.0	13	2:AL=320
069	icp data	SAMPLE	494521-022	Soil	325141	10/25/23 17:36	1.0	13	2:AL=180
070	icp data	SAMPLE	494585-001	Soil	325141	10/25/23 17:39	1.0	13	3:FE=150
071	icp data	SAMPLE	494585-002	Soil	325141	10/25/23 17:42	1.0	13	3:FE=160
072	icp data	SAMPLE	494585-003	Soil	325141	10/25/23 17:45	1.0	13	2:FE=160
073	icp data	CCV				10/25/23 17:48	1.0	9	
074	icp data	CCB				10/25/23 17:52	1.0		
075	icp data	LCS	QC1102262	Soil	325069	10/25/23 17:55	1.0	13	
076	icp data	MSS	494370-001	Miscell.	325069	10/25/23 17:58	1.0	13	5:FEASFE2O3=310
077	icp data	MS	QC1102263	Miscell.	325069	10/25/23 18:01	1.0	13	5:FEASFE2O3=320
078	icp data	MSD	QC1102264	Miscell.	325069	10/25/23 18:04	1.0	13	5:FEASFE2O3=310
079	icp data	PDS	QC1102265	Miscell.	325069	10/25/23 18:07	1.0	13	5:FEASFE2O3=300
080	icp data	SAMPLE	494370-002	Miscell.	325069	10/25/23 18:10	1.0	13	3:FE=190
081	icp data	SAMPLE	494370-003	Miscell.	325069	10/25/23 18:13	1.0	13	3:FE=210
082	icp data	SAMPLE	494370-016	Soil	325069	10/25/23 18:17	1.0	13	3:FE=180
083	icp data	SAMPLE	494451-001	Miscell.	325069	10/25/23 18:20	1.0	13	3:FE=110
084	icp data	SAMPLE	494452-001	Miscell.	325069	10/25/23 18:23	1.0	13	
085	icp data	CCV				10/25/23 18:26	1.0	9	
086	icp data	CCB				10/25/23 18:29	1.0		
087	icp data	SAMPLE	494480-001	Soil	325069	10/25/23 18:32	1.0	13	3:FE=240
088	icp data	SAMPLE	494480-003	Soil	325069	10/25/23 18:35	1.0	13	3:FE=240
089	icp data	SAMPLE	494480-005	Soil	325069	10/25/23 18:38	1.0	13	3:FE=210
090	icp data	SAMPLE	494480-007	Soil	325069	10/25/23 18:41	1.0	13	3:FE=230
091	icp data	LCS	QC1102168	Soil	325042	10/25/23 18:45	1.0	13	
092	icp data	MSS	494325-002	Soil	325042	10/25/23 18:48	1.0	13	4:FEASFE2O3=190
093	icp data	MS	QC1102169	Soil	325042	10/25/23 18:51	1.0	13	4:ALASAL2O3=210
094	icp data	MSD	QC1102170	Soil	325042	10/25/23 18:54	1.0	13	4:ALASAL2O3=200
095	icp data	PDS	QC1102171	Soil	325042	10/25/23 18:57	1.0	13	4:FEASFE2O3=190
096	icp data	SAMPLE	494325-003	Soil	325042	10/25/23 19:00	1.0	13	2:FE=130
097	icp data	CCV				10/25/23 19:03	1.0	9	
098	icp data	CCB				10/25/23 19:06	1.0		
099	icp data	SAMPLE	494325-004	Soil	325042	10/25/23 19:10	1.0	13	2:FE=110
100	icp data	SAMPLE	494325-005	Soil	325042	10/25/23 19:13	1.0	13	2:FE=110

Enthalpy Sequence Summary for Sequence 673429961

Instrument: MET09 Begun: 10/25/23 14:01

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
101	icp data	SAMPLE	494325-006	Soil	325042	10/25/23 19:16	1.0	13	2:FE=110
102	icp data	SAMPLE	494325-007	Soil	325042	10/25/23 19:19	1.0	13	2:FE=140
103	icp data	SAMPLE	494325-008	Soil	325042	10/25/23 19:22	1.0	13	2:FE=130
104	icp data	SAMPLE	494325-009	Soil	325042	10/25/23 19:25	1.0	13	2:FE=120
105	icp data	SAMPLE	494325-010	Soil	325042	10/25/23 19:28	1.0	13	2:FE=100
106	icp data	SAMPLE	494325-011	Soil	325042	10/25/23 19:31	1.0	13	2:FE=100
107	icp data	SAMPLE	494325-012	Soil	325042	10/25/23 19:34	1.0	13	2:FE=130
108	icp data	SAMPLE	494325-013	Soil	325042	10/25/23 19:38	1.0	13	3:FE=250
109	icp data	CCV				10/25/23 19:41	1.0	9	
110	icp data	CCB				10/25/23 19:44	1.0		
111	icp data	SAMPLE	494325-014	Soil	325042	10/25/23 19:47	1.0	13	2:FE=160
112	icp data	SAMPLE	494325-015	Soil	325042	10/25/23 19:50	1.0	13	2:FE=130
113	icp data	SAMPLE	494325-016	Soil	325042	10/25/23 19:53	1.0	13	3:FE=210
114	icp data	SAMPLE	494325-017	Soil	325042	10/25/23 19:56	1.0	13	2:FE=130
115	icp data	SAMPLE	494325-018	Soil	325042	10/25/23 19:59	1.0	13	2:FE=150
116	icp data	SAMPLE	494325-019	Soil	325042	10/25/23 20:03	1.0	13	2:FE=160
117	icp data	SAMPLE	494325-020	Soil	325042	10/25/23 20:06	1.0	13	2:FE=120
118	icp data	BLANK	QC1102567	Wipe	325170	10/25/23 20:29	1.0	13	
119	icp data	BS	QC1102568	Wipe	325170	10/25/23 20:32	1.0	13	
120	icp data	BSD	QC1102569	Wipe	325170	10/25/23 20:35	1.0	13	
121	icp data	CCV				10/25/23 20:38	1.0	9	
122	icp data	CCB				10/25/23 20:41	1.0		
123	icp data	SAMPLE	494537-001	Wipe	325170	10/25/23 20:44	1.0	13	1:FE=38
124	icp data	SAMPLE	494537-003	Wipe	325170	10/25/23 20:48	1.0	13	1:FE=81
125	icp data	SAMPLE	494537-004	Wipe	325170	10/25/23 20:51	1.0	13	1:FE=120
126	icp data	SAMPLE	494537-005	Wipe	325170	10/25/23 20:54	1.0	13	1:FE=76
127	icp data	SAMPLE	494537-006	Wipe	325170	10/25/23 20:57	1.0	13	1:FE=130
128	icp data	SAMPLE	494537-008	Wipe	325170	10/25/23 21:00	1.0	13	1:FE=120
129	icp data	SAMPLE	494537-009	Wipe	325170	10/25/23 21:03	1.0	13	1:FE=98
130	icp data	SAMPLE	494537-010	Wipe	325170	10/25/23 21:06	1.0	13	1:FE=110
131	icp data	SAMPLE	494537-011	Wipe	325170	10/25/23 21:09	1.0	13	3:ZN=370
132	icp data	SAMPLE	494537-012	Wipe	325170	10/25/23 21:13	1.0	13	1:FE=110
133	icp data	CCV				10/25/23 21:16	1.0	9	
134	icp data	CCB				10/25/23 21:19	1.0		
135	icp data	SAMPLE	494537-013	Wipe	325170	10/25/23 21:22	1.0	13	1:FE=160
136	icp data	SAMPLE	494537-014	Wipe	325170	10/25/23 21:25	1.0	13	1:FE=110
137	icp data	SAMPLE	494537-015	Wipe	325170	10/25/23 21:28	1.0	13	1:FE=170
138	icp data	SAMPLE	494537-016	Wipe	325170	10/25/23 21:31	1.0	13	1:FE=80
139	icp data	SAMPLE	494537-017	Wipe	325170	10/25/23 21:34	1.0	13	1:FE=80
140	icp data	SAMPLE	494537-018	Wipe	325170	10/25/23 21:38	1.0	13	1:FE=66
141	icp data	SAMPLE	494537-019	Wipe	325170	10/25/23 21:41	1.0	13	1:FE=61
142	icp data	SAMPLE	494537-020	Wipe	325170	10/25/23 21:44	1.0	13	2:FE=52
143	icp data	SAMPLE	494537-021	Wipe	325170	10/25/23 21:47	1.0	13	1:FE=49
144	icp data	SAMPLE	494537-023	Wipe	325170	10/25/23 21:50	1.0	13	1:FE=53
145	icp data	CCV				10/25/23 21:53	1.0	9	
146	icp data	CCB				10/25/23 21:56	1.0		
147	icp data	BLANK	QC1102570	Wipe	325171	10/25/23 21:59	1.0	13	
148	icp data	BS	QC1102571	Wipe	325171	10/25/23 22:03	1.0	13	
149	icp data	BSD	QC1102572	Wipe	325171	10/25/23 22:06	1.0	13	
150	icp data	SAMPLE	494537-024	Wipe	325171	10/25/23 22:09	1.0	13	1:FE=58

Enthalpy Sequence Summary for Sequence 673429961

Instrument: MET09 Begun: 10/25/23 14:01

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
151	icp data	SAMPLE	494537-025	Wipe	325171	10/25/23 22:12	1.0	13	1:FE=68
152	icp data	SAMPLE	494537-027	Wipe	325171	10/25/23 22:15	1.0	13	1:FE=53
153	icp data	SAMPLE	494537-028	Wipe	325171	10/25/23 22:18	1.0	13	1:FE=58
154	icp data	SAMPLE	494537-030	Wipe	325171	10/25/23 22:21	1.0	13	1:FE=28
155	icp data	SAMPLE	494537-031	Wipe	325171	10/25/23 22:24	1.0	13	2:FE=49
156	icp data	SAMPLE	494537-032	Wipe	325171	10/25/23 22:28	1.0	13	
157	icp data	CCV				10/25/23 22:31	1.0	9	
158	icp data	CCB				10/25/23 22:34	1.0		
159	icp data	SAMPLE	494537-033	Wipe	325171	10/25/23 22:37	1.0	13	
160	icp data	SAMPLE	494537-034	Wipe	325171	10/25/23 22:40	1.0	13	
161	icp data	SAMPLE	494537-035	Wipe	325171	10/25/23 22:43	1.0	13	
162	icp data	SAMPLE	494537-036	Wipe	325171	10/25/23 22:46	1.0	13	1:FE=130
163	icp data	SAMPLE	494547-001	Wipe	325171	10/25/23 22:50	1.0	13	1:FE=30
164	icp data	SAMPLE	494548-003	Wipe	325171	10/25/23 22:53	1.0	13	1:FE=59
165	icp data	SAMPLE	494548-005	Wipe	325171	10/25/23 22:56	1.0	13	1:FE=36
166	icp data	BLANK	QC1102545	Air	325162	10/25/23 22:59	1.0	13	
167	icp data	BS	QC1102546	Air	325162	10/25/23 23:02	1.0	13	
168	icp data	BSD	QC1102547	Air	325162	10/25/23 23:05	1.0	13	
169	icp data	CCV				10/25/23 23:08	1.0	9	
170	icp data	CCB				10/25/23 23:11	1.0		
171	icp data	SAMPLE	494584-001	Air	325162	10/25/23 23:15	1.0	13	
172	icp data	SAMPLE	494584-003	Air	325162	10/25/23 23:18	1.0	13	
173	icp data	SAMPLE	494584-005	Air	325162	10/25/23 23:21	1.0	13	
174	icp data	BLANK	QC1102548	WET Leachate	325164	10/25/23 23:24	1.0	13	
175	icp data	BS	QC1102549	WET Leachate	325164	10/25/23 23:27	1.0	13	
176	icp data	BSD	QC1102550	WET Leachate	325164	10/25/23 23:30	1.0	13	
177	icp data	SAMPLE	493732-001	WET Leachate	325164	10/25/23 23:33	5.0	13	
178	icp data	SAMPLE	493734-001	WET Leachate	325164	10/25/23 23:36	5.0	13	
179	icp data	SAMPLE	493953-002	WET Leachate	325164	10/25/23 23:40	5.0	13	
180	icp data	SAMPLE	494418-001	WET Leachate	325164	10/25/23 23:43	5.0	13	
181	icp data	CCV				10/25/23 23:46	1.0	9	
182	icp data	CCB				10/25/23 23:49	1.0		
183	icp data	SAMPLE	494420-001	WET Leachate	325164	10/25/23 23:52	5.0	13	
184	icp data	CCV				10/25/23 23:55	1.0	9	
185	icp data	CCB				10/25/23 23:58	1.0		
186	icp data	BLANK	QC1102736	Water	325232	10/26/23 00:01	1.0	13	
187	icp data	LCS	QC1102737	Water	325232	10/26/23 00:05	1.0	13	
188	icp data	SAMPLE	494535-001	Water	325232	10/26/23 00:08	1.0	13	
189	icp data	SAMPLE	494569-001	Water	325232	10/26/23 00:11	1.0	13	
190	icp data	MSS	494619-019	Water	325232	10/26/23 00:14	1.0	13	
191	icp data	MS	QC1102738	Water	325232	10/26/23 00:17	1.0	13	
192	icp data	MSD	QC1102739	Water	325232	10/26/23 00:20	1.0	13	
193	icp data	BLANK	QC1102710	Water	325226	10/26/23 00:23	1.0	13	
194	icp data	LCS	QC1102711	Water	325226	10/26/23 00:27	1.0	13	
195	icp data	SAMPLE	494493-001	Water	325226	10/26/23 00:30	1.0	13	2:NA=1200
196	icp data	CCV				10/26/23 00:33	1.0	9	
197	icp data	CCB				10/26/23 00:36	1.0		
198	icp data	SAMPLE	494524-001	Water	325226	10/26/23 00:39	1.0	13	1:B=18
199	icp data	MSS	494629-001	Water	325226	10/26/23 00:42	1.0	13	
200	icp data	MS	QC1102712	Water	325226	10/26/23 00:45	1.0	13	

Enthalpy Sequence Summary for Sequence 673429961

Instrument: MET09 Begun: 10/25/23 14:01
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
201	icp data	MSD	QC1102713	Water	325226	10/26/23 00:48	1.0	13	
202	icp data	SAMPLE	494650-001	Water	325226	10/26/23 00:52	1.0	13	
203	icp data	SAMPLE	494650-002	Water	325226	10/26/23 00:55	1.0	13	
204	icp data	SAMPLE	494650-003	Water	325226	10/26/23 00:58	1.0	13	
205	icp data	CCV				10/26/23 01:01	1.0	9	
206	icp data	CCB				10/26/23 01:04	1.0		

SBW 10/25/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 026.

Standards Used:
1=S19164 2=S19163 3=S19162 4=S19161 5=S19156 6=S19112 7=S19241 8=S18727 9=S19239 10=S19240 11=S19107 12=S19108 13=S14463

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	494548-003	Client ID:	AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-L-LA
Seqnum:	673429961164	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	325171	Time:	25-OCT-2023 22:53
Cal:	673429961001	Caldate:	25-OCT-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	1.032	52	0.50	0.21	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	414112	449550	8.56

u=use

Instrument ID: MET09

Label:	494548-003,325171	Rack:Tube:	3:36	Type:	Sample
Date Time:	10/25/2023 10:53:09 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	nu	-0.00138413	-0.00138413	mg/L	480.80581399	0.00028526	20.60958194	16.54496067	3.44		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	-0.001085
Al 396.152	Al	n	1.04466815	1.04466815	mg/L	29053.09181087	0.02290934	2.19297776	603.73789191	2.08	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	1.0209021
As 188.980	As	n	0.04717309	0.04717309	mg/L	150.97129132	0.00022705	0.48130886	0.72068653	0.48	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.0472270
B 249.678	B	n	0.01805408	0.01805408	mg/L	929.79636890	0.00033925	1.87905079	9.97906878	1.07	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.0182194
Ba 230.424	Ba	n	0.00613017	0.00613017	mg/L	629.91540753	0.00013913	2.26958047	9.23331069	1.47	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.0060856
Be 313.107	Be	n	0.00005180	0.00005180	mg/L	94.52015156	0.00000855	16.49546562	16.54275915	17.50	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.0000474
Ca 317.933	Ca-R	n	6.70738122	6.70738122	mg/L	87374.50140545	0.04914311	0.73267211	630.99767387	0.72	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	6.7048411
Cd 214.439	Cd	nu	-0.00005351	-0.00005351	mg/L	122.06909115	0.00006377	119.17087602	8.15210097	6.68	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	-0.000126
Co 230.786	Co	n	0.00916681	0.00916681	mg/L	329.66083742	0.00036649	3.99797354	10.52606588	3.19	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.0087455
Cr 267.716	Cr	n	0.03765525	0.03765525	mg/L	1875.54731867	0.00091686	2.43487971	44.44122510	2.37	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.0366392
Cu 324.754	Cu	n	0.32273350	0.32273350	mg/L	9808.27270889	0.00804126	2.49160870	233.10733046	2.38	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.3137210
Fe 259.940	Fe	no	58.62681791	58.62681791	mg/L	2612870.97994016	1.58958210	2.71135660	70837.59154222	2.71	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	56.867814
K 766.491	K-R	n	2.00820092	2.00820092	mg/L	2895.51780699	0.01099130	0.54732082	15.42176114	0.53	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	2.0196117
Li 670.783	Li-R	nu	-0.00459824	-0.00459824	mg/L	-648.96658017	0.00057085	12.41464197	57.73242088	8.90	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	-0.005025
Mg 279.800	Mg-R	n	3.20514053	3.20514053	mg/L	7297.22615797	0.02008984	0.62680073	44.74694345	0.61	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	3.2102753
Mn 257.610	Mn	n	0.33665600	0.33665600	mg/L	105054.65184221	0.00837475	2.48762717	2601.54970684	2.48	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.3273833
Mo 204.598	Mo	n	0.00093313	0.00093313	mg/L	22.35754902	0.00024543	26.30206643	1.26825030	5.67	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.0006500
Na 589.592	Na-R	n	4.56700922	4.56700922	mg/L	47880.21472360	0.02008299	0.43974058	203.30384038	0.42	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	4.5553517
Ni 231.604	Ni	n	0.42901865	0.42901865	mg/L	7206.63557767	0.01093193	2.54812402	181.39685538	2.52	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.4170208
P 177.434	P	n	1.16698496	1.16698496	mg/L	517.68670360	0.00858963	0.73605335	3.79282123	0.73		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	1.1593689
Pb 220.353	Pb	n	1.03206928	1.03206928	mg/L	6538.46195191	0.01525886	1.47847233	96.98528548	1.48	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	1.0147562
S 181.972	S	n	2.87880360	2.87880360	mg/L	2997.02924481	0.00741587	0.25760247	7.48974073	0.25		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	2.8747748
Sb 206.834	Sb	n	0.01554344	0.01554344	mg/L	3.40601897	0.00179527	11.55004755	3.50440622	> 100.00	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.0144922
Se 196.026	Se	n	0.00398278	0.00398278	mg/L	59.00198035	0.00259666	65.19707802	5.29175179	8.97	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.0064811
Si 251.611	Si	n	2.30797749	2.30797749	mg/L	14402.44514001	0.03625253	1.57074896	225.47470796	1.57		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	2.2692414
Sn 189.925	Sn	n	0.07442540	0.07442540	mg/L	490.69770853	0.00371409	4.99034667	23.18426650	4.72	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.0706273
Sr 421.552	Sr-R	n	0.01257318	0.01257318	mg/L	5373.64963297	0.00020431	1.62496230	86.23510431	1.60	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	0.0123627
Ti 334.941	Ti	n	0.09125996	0.09125996	mg/L	23722.90082543	0.00251664	2.75765641	645.25213511	2.72	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.0889640
Tl 190.794	Tl	nu	-0.00049689	-0.00049689	mg/L	-7.04161860	0.00093282	187.73390975	1.32452573	18.81	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.0003438
V 292.401	V	n	0.00409299	0.00409299	mg/L	60.45493708	0.00048696	11.89749551	13.05768380	21.60	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.0045367
Zn 206.200	Zn	n	2.00113048	2.00113048	mg/L	67235.46690287	0.03511780	1.75489824	1171.08466086	1.74	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	1.9605880
Y 371.029	Y		1.09	1.09	Ratio	449549.93	0.02	2.00	8983.55	2.00		-	-	-	Fitted	-	-	1.06
Y 371.029	Y-R		1.09	1.09	Ratio	122077.12	0.01	0.71	872.23	0.71		-	-	-	Fitted	-	-	1.09

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET09	Lab ID:	494548-005	Client ID:	AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-L-LA
Seqnum:	673429961165	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	325171	Time:	25-OCT-2023 22:56
Cal:	673429961001	Caldate:	25-OCT-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	1.461	73	0.50	0.21	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	414112	457348	10.44

u=use

Instrument ID: MET09

Label:	494548-005,325171	Rack:Tube:	3:37	Type:	Sample
Date Time:	10/25/2023 10:56:17 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	nu	-0.00169858	-0.00169858	mg/L	463.15391021	0.00079391	46.73966344	46.04593710	9.94		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	-0.000943
Al 396.152	Al	n	0.83271733	0.83271733	mg/L	23460.14771210	0.03018231	3.62455616	795.40495401	3.39	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	0.8015853
As 188.980	As	n	0.03996695	0.03996695	mg/L	125.68714826	0.00194461	4.86555398	6.17250716	4.91	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.0386009
B 249.678	B	n	0.01627663	0.01627663	mg/L	889.63803617	0.00030032	1.84512375	8.83417487	0.99	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.0159466
Ba 230.424	Ba	n	0.01193437	0.01193437	mg/L	1012.75666808	0.00062377	5.22666245	41.39645641	4.09	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.0113029
Be 313.107	Be	n	0.00006572	0.00006572	mg/L	118.16044176	0.00001681	25.57650215	32.53936443	27.54	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.0000804
Ca 317.933	Ca-R	n	7.37396537	7.37396537	mg/L	95924.42713485	0.03387350	0.45936619	434.93586612	0.45	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	7.4036028
Cd 214.439	Cd	nu	-0.00004090	-0.00004090	mg/L	83.96400149	0.00002609	63.79460569	3.33535874	3.97	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	-0.000036
Co 230.786	Co	n	0.00477571	0.00477571	mg/L	202.55671677	0.00028554	5.97905462	8.20121767	4.05	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.0044960
Cr 267.716	Cr	n	0.02383329	0.02383329	mg/L	1204.56562632	0.00065907	2.76533080	31.94581871	2.65	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.0231266
Cu 324.754	Cu	n	0.19470820	0.19470820	mg/L	6100.49732932	0.00579900	2.97830517	168.10687825	2.76	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.1884914
Fe 259.940	Fe	no	36.13715342	36.13715342	mg/L	1610648.98482898	1.07103679	2.96381062	47729.31630569	2.96	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	34.980134
K 766.491	K-R	n	1.92581537	1.92581537	mg/L	2795.30573606	0.06200135	3.21948585	86.99334123	3.11	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	1.9520626
Li 670.783	Li-R	nu	-0.00364693	-0.00364693	mg/L	-561.86453680	0.00095766	26.25918851	96.85083793	17.24	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	-0.002664
Mg 279.800	Mg-R	n	2.96692067	2.96692067	mg/L	6742.92972614	0.02081238	0.70148079	46.35627393	0.69	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	2.9832578
Mn 257.610	Mn	n	0.18740212	0.18740212	mg/L	58659.10732309	0.00486171	2.59426868	1510.25375904	2.57	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.1820879
Mo 204.598	Mo	n	0.00296524	0.00296524	mg/L	32.50385184	0.00009321	3.14344283	0.48165856	1.48	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.0030298
Na 589.592	Na-R	n	4.65877543	4.65877543	mg/L	48876.53428426	0.02393644	0.51379248	242.31297738	0.50	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	4.6777130
Ni 231.604	Ni	n	0.22413874	0.22413874	mg/L	3804.82510208	0.00673041	3.00278539	111.67969740	2.94	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.2166659
P 177.434	P	n	1.15675803	1.15675803	mg/L	513.17265066	0.02813097	2.43188022	12.42145640	2.42		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	1.1318677
Pb 220.353	Pb	n	1.46107856	1.46107856	mg/L	9263.82951666	0.03013564	2.06256153	191.54211430	2.07	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	1.4272076
S 181.972	S	n	2.79740473	2.79740473	mg/L	2917.53461352	0.02639778	0.94365234	26.66073058	0.91		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	2.7670992
Sb 206.834	Sb	nu	0.00000376	0.00000376	mg/L	-29.30559549	0.00370107	98504.51484044	7.22455769	24.65	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	-0.004074
Se 196.026	Se	n	0.00998810	0.00998810	mg/L	75.54476346	0.00083288	8.33875748	1.69733992	2.25	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.0093198
Si 251.611	Si	n	1.79665730	1.79665730	mg/L	11240.66958474	0.05073015	2.82358497	315.51905279	2.81		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	1.7470761
Sn 189.925	Sn	n	0.05722662	0.05722662	mg/L	381.95908535	0.00276114	4.82492408	17.23574268	4.51	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.0542211
Sr 421.552	Sr-R	n	0.01289985	0.01289985	mg/L	5513.63542508	0.00010737	0.83236637	45.32050988	0.82	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	0.0128779
Ti 334.941	Ti	n	0.06065334	0.06065334	mg/L	15876.64577472	0.00197118	3.24991210	505.40017397	3.18	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.0583879
Tl 190.794	Tl	nu	-0.00593842	-0.00593842	mg/L	-14.81057679	0.00110569	18.61923482	1.56997549	10.60	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	-0.007019
V 292.401	V	n	0.00302750	0.00302750	mg/L	57.87842209	0.00028563	9.43452515	7.65905386	13.23	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.0032214
Zn 206.200	Zn	n	3.03204607	3.03204607	mg/L	101433.48727719	0.07062499	2.32928501	2355.15435805	2.32	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	2.9522636
Y 371.029	Y		1.10	1.10	Ratio	457347.94	0.02	2.05	9394.84	2.05		-	-	-	Fitted	-	-	1.08
Y 371.029	Y-R		1.10	1.10	Ratio	123746.04	0.01	0.48	594.62	0.48		-	-	-	Fitted	-	-	1.10

ENTHALPY BLANK USER REPORT FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09	Lab ID:	QC1102570		
Seqnum:	673429961147.3	Matrix:	Wipe		
File:	icp data	Batch:	325171	Time:	25-OCT-2023 21:59
Cal:	673429961001	Caldate:	25-OCT-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	0.004107	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	414112	444752	7.40

u=use

Instrument ID: MET09

Label: BLANK,QC1102570,325171 | Rack:Tube: 3:21 | Type: Sample
Date Time: 10/25/2023 9:59:57 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	nu	-0.00102309	-0.00102309	mg/L	502.86503587	0.00047272	46.20505721	27.41712744	5.45		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	-0.00052716
Al 396.152	Al	n	0.03196082	0.03196082	mg/L	2338.76486409	0.00093286	2.91877034	24.58406643	1.05	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	0.03263093
As 188.980	As	n	0.00261678	0.00261678	mg/L	3.20071272	0.00094854	36.24832633	3.01081171	94.07	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.00152451
B 249.678	B	n	0.00339134	0.00339134	mg/L	531.18452001	0.00055071	16.23879269	16.19947808	3.05	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.00402345
Ba 230.424	Ba	n	0.00112574	0.00112574	mg/L	291.33862116	0.00004189	3.72077631	2.77978352	0.95	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.00108391
Be 313.107	Be	n	0.00005318	0.00005318	mg/L	88.34357441	0.00001246	23.42764144	24.12032869	27.30	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.00004360
Ca 317.933	Ca-R	n	0.09173781	0.09173781	mg/L	2404.38903017	0.00269014	2.93242098	34.54138881	1.44	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	0.09009056
Cd 214.439	Cd	nu	0.00002010	0.00002010	mg/L	27.34088090	0.00004089	203.41428563	5.22730475	19.12	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.00001945
Co 230.786	Co	n	0.00104141	0.00104141	mg/L	93.67637856	0.00048074	46.16263854	13.80768582	14.74	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.00107972
Cr 267.716	Cr	nu	0.00012372	0.00012372	mg/L	53.02672212	0.00031330	253.24494197	15.18616295	28.64	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.00026928
Cu 324.754	Cu	nu	0.00000327	0.00000327	mg/L	461.40005859	0.00060921	18628.37430497	17.66025439	3.83	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.00051199
Fe 259.940	Fe	n	0.04932314	0.04932314	mg/L	2438.03653767	0.00104824	2.12524344	46.71326092	1.92	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.04928651
K 766.491	K-R	n	0.02058185	0.02058185	mg/L	148.87773763	0.02543160	123.56324043	35.68276055	23.97	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	0.04993295
Li 670.783	Li-R	nu	-0.00645288	-0.00645288	mg/L	-863.99630079	0.00034465	5.34101282	34.85549595	4.03	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	-0.00605508
Mg 279.800	Mg-R	n	0.02326439	0.02326439	mg/L	147.76049727	0.00481545	20.69881495	10.72565745	7.26	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	0.01834587
Mn 257.610	Mn	n	0.00554848	0.00554848	mg/L	2114.39051174	0.00012104	2.18156851	37.60131463	1.78	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.00540985
Mo 204.598	Mo	n	0.00758894	0.00758894	mg/L	55.82355913	0.00174500	22.99400079	9.01715864	16.15	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.00820346
Na 589.592	Na-R	nu	-0.08652403	-0.08652403	mg/L	953.50317131	0.01055209	12.19555548	106.82070869	11.20	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	-0.09569454
Ni 231.604	Ni	nu	-0.00030766	-0.00030766	mg/L	76.76969921	0.00046611	151.50466471	7.73436814	10.07	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.00010228
P 177.434	P	n	0.02159235	0.02159235	mg/L	11.84336569	0.00174203	8.06783468	0.76920952	6.49		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	0.02230329
Pb 220.353	Pb	n	0.00410745	0.00410745	mg/L	1.96345168	0.00248194	60.42529116	15.77520619	> 100.00	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.00311048
S 181.972	S	n	0.07198595	0.07198595	mg/L	169.30060371	0.00462933	6.43088226	4.67544558	2.76		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	0.07554007
Sb 206.834	Sb	n	0.00608048	0.00608048	mg/L	-21.19767084	0.00268344	44.13200776	5.23811650	24.71	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.00724527
Se 196.026	Se	nu	-0.00341340	-0.00341340	mg/L	55.16462284	0.00277912	81.41792482	5.66359931	10.27	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	-0.00037933
Si 251.611	Si	n	0.07158190	0.07158190	mg/L	543.70531365	0.00563022	7.86543002	35.01750365	6.44		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	0.06511126
Sn 189.925	Sn	n	0.02563313	0.02563313	mg/L	182.35874971	0.00057832	2.25615255	3.61003553	1.98	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.02500390
Sr 421.552	Sr-R	nu	-0.00001278	-0.00001278	mg/L	34.71827635	0.00002231	174.57813623	9.41600646	27.12	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	-0.00001808
Ti 334.941	Ti	n	0.00131657	0.00131657	mg/L	665.34511250	0.00037818	28.72489094	96.96405908	14.57	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.00108423
Tl 190.794	Tl	n	0.00920736	0.00920736	mg/L	6.58166552	0.00211827	23.00627856	3.00775023	45.70	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.00690197
V 292.401	V	nu	0.00007734	0.00007734	mg/L	22.05952058	0.00035914	464.36705222	9.63006937	43.65	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.00006948
Zn 206.200	Zn	n	0.01501161	0.01501161	mg/L	530.46644860	0.00046865	3.12193706	15.62832192	2.95	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.01450347
Y 371.029	Y		1.07	1.07	Ratio	444752.46	0.03	2.99	13292.31	2.99		-	-	-	Fitted	-	-	1.04
Y 371.029	Y-R		1.08	1.08	Ratio	121566.87	0.01	1.37	1666.84	1.37		-	-	-	Fitted	-	-	1.08

ENTHALPY SPIKE USER REPORT FOR 494548 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET09	Inst:	MET09
Seqnum:	673429961148.2	Seqnum:	673429961149.2
File:	icp data	File:	icp data
IDF:	1.0	IDF:	1.0
Lab ID:	QC1102571	Lab ID:	QC1102572
Matrix:	Wipe	Matrix:	Wipe
Batch:	325171	Batch:	325171
Time:	25-OCT-2023 22:03	Time:	25-OCT-2023 22:06
Cal:	673429961001	Cal:	673429961001
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	0.8877	44.38	A	89	0.8972	44.86	A	90	80-120	1	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	414112	451686	9.07

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	414112	446527	7.83

u=use

Instrument ID: MET09

Label:	BS,QC1102571,325171	Rack:Tube:	3:22	Type:	Sample
Date Time:	10/25/2023 10:03:05 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3	Flags Replicate 1:		Flags Replicate 2:	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity %RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	C R
Ag 328.068	Ag	n	0.41805612	0.41805612	mg/L	24809.11470485	0.00628553	1.50351335	364.55404067	1.47		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	0.41106329	0.
Al 396.152	Al	n	0.89483850	0.89483850	mg/L	25079.62354894	0.02331592	2.60560089	614.45263109	2.45	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	0.87074287	0.
As 188.980	As	n	0.81091628	0.81091628	mg/L	2568.97565385	0.01392452	1.71713376	44.19858821	1.72	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.79525047	0.
B 249.678	B	n	0.82359108	0.82359108	mg/L	24657.14969457	0.01227591	1.49053427	361.10186643	1.46	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.81292505	0.
Ba 230.424	Ba	n	0.92584336	0.92584336	mg/L	61660.42229784	0.02247947	2.42799917	1491.84989666	2.42	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.90308732	0.
Be 313.107	Be	n	0.86985287	0.86985287	mg/L	1683967.66991054	0.02257638	2.59542542	43706.50014067	2.60	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.84526001	0.
Ca 317.933	Ca-R	n	0.99022222	0.99022222	mg/L	13941.88061573	0.00360712	0.36427427	46.31549139	0.33	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	0.99366905	0.
Cd 214.439	Cd	n	0.86561257	0.86561257	mg/L	110678.14230097	0.00515100	0.59506991	658.45566801	0.59	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.86244135	0.
Co 230.786	Co	n	0.90167497	0.90167497	mg/L	25961.32501853	0.01835192	2.03531419	527.09581744	2.03	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.88106343	0.
Cr 267.716	Cr	n	0.86696268	0.86696268	mg/L	42069.83538237	0.02378008	2.74291886	1152.64713500	2.74	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.84208094	0.
Cu 324.754	Cu	n	0.91167879	0.91167879	mg/L	26889.90653813	0.02418526	2.65282685	701.10458155	2.61	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.88538793	0.
Fe 259.940	Fe	n	0.94853116	0.94853116	mg/L	42511.62074155	0.02429711	2.56155095	1082.76803463	2.55	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.92337654	0.
K 766.491	K-R	n	9.01434507	9.01434507	mg/L	12766.76753125	0.03234379	0.35880355	45.38117732	0.36	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	9.05034779	8.
Li 670.783	Li-R	n	0.94596285	0.94596285	mg/L	95457.74231500	0.00607027	0.64170298	613.90672177	0.64	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	0.95127520	0.
Mg 279.800	Mg-R	n	0.93367956	0.93367956	mg/L	2176.53442514	0.00746404	0.79942205	16.62496631	0.76	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	0.94097470	0.
Mn 257.610	Mn	n	0.91578672	0.91578672	mg/L	284874.45035867	0.02375632	2.59408920	7379.71738739	2.59	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.89064384	0.
Mo 204.598	Mo	n	0.94133553	0.94133553	mg/L	4880.92444149	0.03369613	3.57960936	174.12225537	3.57	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.90548874	0.
Na 589.592	Na-R	n	1.33407721	1.33407721	mg/L	15329.82122098	0.00631044	0.47301875	63.88170231	0.42	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	1.34040986	1.
Ni 231.604	Ni	n	0.86840566	0.86840566	mg/L	14491.73503314	0.01914847	2.20501413	317.73645156	2.19	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.84881942	0.
P 177.434	P	n	0.02507018	0.02507018	mg/L	13.38353246	0.00392272	15.64696734	1.73210988	12.94		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	0.02910288	0.
Pb 220.353	Pb	n	0.88769884	0.88769884	mg/L	5616.71373642	0.01186161	1.33622043	75.39239802	1.34	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.87531161	0.
S 181.972	S	n	0.12210894	0.12210894	mg/L	219.85865454	0.01240372	10.15791658	12.52728066	5.70		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	0.10951296	0.
Sb 206.834	Sb	n	0.84847264	0.84847264	mg/L	1623.19662754	0.01780944	2.09900008	34.76433230	2.14	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.83114431	0.
Se 196.026	Se	n	0.74235702	0.74235702	mg/L	1574.84286980	0.00643590	0.86695452	13.11577164	0.83	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.73898297	0.
Si 251.611	Si	n	4.24471891	4.24471891	mg/L	26497.58570300	0.08126401	1.91447327	505.42617070	1.91		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	4.16328917	4.
Sn 189.925	Sn	n	0.02240478	0.02240478	mg/L	162.30065154	0.00152467	6.80513035	9.51740562	5.86	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.02160485	0.
Sr 421.552	Sr-R	n	0.96979022	0.96979022	mg/L	409373.26923131	0.00400995	0.41348684	1692.52562378	0.41	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	0.96688562	0.
Ti 334.941	Ti	n	0.89520115	0.89520115	mg/L	229852.43970453	0.02602792	2.90749381	6673.41980370	2.90	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.86726036	0.
Tl 190.794	Tl	n	1.13695397	1.13695397	mg/L	1607.89666697	0.02803030	2.46538543	39.80044520	2.48	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	1.11020385	1.
V 292.401	V	n	0.89462432	0.89462432	mg/L	24007.78365636	0.02313685	2.58620853	620.40390355	2.58	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.86959082	0.
Zn 206.200	Zn	n	0.88820078	0.88820078	mg/L	29656.26276954	0.00885818	0.99731729	295.39656838	1.00	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.87868791	0.
Y 371.029	Y		1.09	1.09	Ratio	451685.65	0.04	3.38	15254.96	3.38		-	-	-	Fitted	-	-	1.05	1.
Y 371.029	Y-R		1.09	1.09	Ratio	122861.46	0.00	0.36	445.16	0.36		-	-	-	Fitted	-	-	1.09	1.

Instrument ID: MET09

Label:	BSD,QC1102572,325171	Rack:Tube:	3:23	Type:	Sample
Date Time:	10/25/2023 10:06:12 PM	Weight:	1	Volume:	1
Dilution:	1	%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	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	Cor Rep
Ag 328.068	Ag	n	0.41752186	0.41752186	mg/L	24778.12430880	0.00633280	1.51675961	367.29583661	1.48		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	0.41029744	0.4
Al 396.152	Al	n	0.88086197	0.88086197	mg/L	24711.26422480	0.02307526	2.61962289	608.11048802	2.46	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	0.85567875	0.8
As 188.980	As	n	0.82393352	0.82393352	mg/L	2610.29239012	0.01662183	2.01737560	52.76029194	2.02	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.80644974	0.8
B 249.678	B	n	0.82732588	0.82732588	mg/L	24767.02421977	0.01544799	1.86721931	454.41020051	1.83	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.81040039	0.8
Ba 230.424	Ba	n	0.93471014	0.93471014	mg/L	62248.86212384	0.02731360	2.92214662	1812.66702566	2.91	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.90667156	0.9
Be 313.107	Be	n	0.88025715	0.88025715	mg/L	1704109.70501870	0.02487595	2.82598662	48158.32076951	2.83	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.85283200	0.8
Ca 317.933	Ca-R	n	0.95797589	0.95797589	mg/L	13527.83119286	0.00650881	0.67943368	83.57314738	0.62	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	0.95441314	0.9
Cd 214.439	Cd	n	0.88077252	0.88077252	mg/L	112616.01742599	0.01350431	1.53323491	1726.26494951	1.53	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.86682711	0.8
Co 230.786	Co	n	0.91541855	0.91541855	mg/L	26356.06113491	0.02489947	2.72000892	715.15163026	2.71	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.88808261	0.9
Cr 267.716	Cr	n	0.87431173	0.87431173	mg/L	42426.04880983	0.02456002	2.80906955	1190.45178451	2.81	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.84732721	0.8
Cu 324.754	Cu	n	0.90933119	0.90933119	mg/L	26821.85236995	0.02554415	2.80911399	740.49733623	2.76	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.88116082	0.9
Fe 259.940	Fe	n	0.93650685	0.93650685	mg/L	41975.76975082	0.02601449	2.77782179	1159.30087585	2.76	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.90801268	0.9
K 766.491	K-R	n	8.92990502	8.92990502	mg/L	12648.31202968	0.06519882	0.73011769	91.47966316	0.72	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	8.92609217	8.8
Li 670.783	Li-R	n	0.94305127	0.94305127	mg/L	95163.26639252	0.00669443	0.70986966	677.03040590	0.71	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	0.93728329	0.9
Mg 279.800	Mg-R	n	0.92949135	0.92949135	mg/L	2167.18553550	0.01000551	1.07645054	22.28569761	1.03	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	0.91942013	0.9
Mn 257.610	Mn	n	0.92440565	0.92440565	mg/L	287551.82339080	0.02603774	2.81670064	8088.42129320	2.81	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.89580222	0.9
Mo 204.598	Mo	n	0.94008721	0.94008721	mg/L	4874.47314282	0.03436713	3.65573882	177.58959026	3.64	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.90256337	0.9
Na 589.592	Na-R	n	1.32178259	1.32178259	mg/L	15205.46357994	0.00935070	0.70743132	94.65890281	0.62	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	1.31360369	1.3
Ni 231.604	Ni	n	0.88192539	0.88192539	mg/L	14716.06930724	0.02298231	2.60592505	381.35266116	2.59	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.85698405	0.8
P 177.434	P	n	0.02485491	0.02485491	mg/L	13.28820095	0.00115985	4.66648006	0.51214084	3.85		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	0.02442215	0.0
Pb 220.353	Pb	n	0.89717851	0.89717851	mg/L	5676.99344579	0.01545692	1.72283663	98.24416259	1.73	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.87997931	0.9
S 181.972	S	n	0.05484312	0.05484312	mg/L	151.92339308	0.00222715	4.06094495	2.24933432	1.48		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	0.05573049	0.0
Sb 206.834	Sb	n	0.83864690	0.83864690	mg/L	1604.01600661	0.02146158	2.55907167	41.89335968	2.61	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.81507618	0.8
Se 196.026	Se	n	0.75130701	0.75130701	mg/L	1593.08519787	0.00586674	0.78087133	11.95588207	0.75	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.74470303	0.7
Si 251.611	Si	n	4.31441748	4.31441748	mg/L	26931.10563507	0.09549287	2.21334337	593.92340820	2.21		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	4.21044101	4.3
Sn 189.925	Sn	n	0.02274954	0.02274954	mg/L	164.45100762	0.00173434	7.62364549	10.82621766	6.58	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.02129734	0.0
Sr 421.552	Sr-R	n	0.97209325	0.97209325	mg/L	410345.20539334	0.00101330	0.10423866	427.69335952	0.10	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	0.97175037	0.9
Ti 334.941	Ti	n	0.91004722	0.91004722	mg/L	233658.89880149	0.03380038	3.71413454	8666.23724595	3.71	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.87313136	0.9
Tl 190.794	Tl	n	1.15114502	1.15114502	mg/L	1628.04624302	0.03378929	2.93527633	47.97768106	2.95	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	1.11220963	1.1
V 292.401	V	n	0.89917120	0.89917120	mg/L	24129.73149326	0.02534541	2.81875198	679.62529463	2.82	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.87062835	0.9
Zn 206.200	Zn	n	0.88055845	0.88055845	mg/L	29401.26307245	0.01311776	1.48970969	437.44230249	1.49	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.86573813	0.8
Y 371.029	Y		1.08	1.08	Ratio	446526.94	0.03	3.18	14188.93	3.18		-	-	-	Fitted	-	-	1.04	1.0
Y 371.029	Y-R		1.09	1.09	Ratio	122672.49	0.01	0.86	1053.05	0.86		-	-	-	Fitted	-	-	1.10	1.1

ENTHALPY INITIAL CALIBRATION FOR 494548 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	673429961001	Date:	25-OCT-2023 14:01
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	673429961002	L1	25-OCT-2023 14:04	S19164
L2	icp data	673429961003	L2	25-OCT-2023 14:07	S19163
L3	icp data	673429961004	L3	25-OCT-2023 14:10	S19162
L4	icp data	673429961005	L4	25-OCT-2023 14:13	S19161
L5	icp data	673429961006	L5	25-OCT-2023 14:17	S19156
L6	icp data	673429961007	L6	25-OCT-2023 14:20	S19112

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00396	1.59E-4		4928.2	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	983.72	3475.5	6199.9	6391.7	6247.2	6271.2

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	34	0.0100	-5	0.1000	3	1.0000	2	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09		
Calnum:	673429961001	Cal Date:	25-OCT-2023

- ICV 673429961010 (25-OCT-2023) stds: S19239

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.011	mg/L	1	10	

Instrument ID: MET09

Label:	ICALBLK	Rack:Tube:	S1:1	Type:	BLK
Date Time:	10/25/2023 2:01:26 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	Concentra Replicate 2
Ag 328.068	Ag	n	0.00000000	0.00000000	mg/L	562.19554308	-	-	30.21053627	5.37		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	0.00000000	0.00000
Al 396.152	Al	n	0.00000000	0.00000000	mg/L	1527.14880985	-	-	11.71548005	0.77	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	0.00000000	0.00000
As 188.980	As	n	0.00000000	0.00000000	mg/L	6.01888083	-	-	7.30033430	> 100.00	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.00000000	0.00000
B 249.678	B	n	0.00000000	0.00000000	mg/L	491.03508532	-	-	15.14263297	3.08	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.00000000	0.00000
Ba 230.424	Ba	n	0.00000000	0.00000000	mg/L	277.14604514	-	-	15.16551119	5.47	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.00000000	0.00000
Be 313.107	Be	n	0.00000000	0.00000000	mg/L	118.81554742	-	-	33.84058277	28.48	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.00000000	0.00000
Ca 317.933	Ca-R	n	0.00000000	0.00000000	mg/L	1235.11188662	-	-	6.45985109	0.52	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	0.00000000	0.00000
Cd 214.439	Cd	n	0.00000000	0.00000000	mg/L	27.42289121	-	-	6.23485556	22.74	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.00000000	0.00000
Co 230.786	Co	n	0.00000000	0.00000000	mg/L	93.89368418	-	-	8.65265013	9.22	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.00000000	0.00000
Cr 267.716	Cr	n	0.00000000	0.00000000	mg/L	42.01092856	-	-	9.75799685	23.23	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.00000000	0.00000
Cu 324.754	Cu	n	0.00000000	0.00000000	mg/L	493.08141862	-	-	7.94030849	1.61	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.00000000	0.00000
Fe 259.940	Fe	n	0.00000000	0.00000000	mg/L	259.28746769	-	-	3.42781651	1.32	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.00000000	0.00000
K 766.491	K-R	n	0.00000000	0.00000000	mg/L	175.77560669	-	-	38.96321580	22.17	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	0.00000000	0.00000
Li 670.783	Li-R	n	0.00000000	0.00000000	mg/L	0.00000000	-	-	423.14378147	> 100.00	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	0.00000000	0.00000
Mg 279.800	Mg-R	n	0.00000000	0.00000000	mg/L	82.89383397	-	-	8.68972707	10.48	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	0.00000000	0.00000
Mn 257.610	Mn	n	0.00000000	0.00000000	mg/L	379.53810977	-	-	13.64582084	3.60	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.00000000	0.00000
Mo 204.598	Mo	n	0.00000000	0.00000000	mg/L	18.87508316	-	-	2.22165676	11.77	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.00000000	0.00000
Na 589.592	Na-R	n	0.00000000	0.00000000	mg/L	2040.03249515	-	-	339.04680212	16.62	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	0.00000000	0.00000
Ni 231.604	Ni	n	0.00000000	0.00000000	mg/L	89.68202134	-	-	7.53917046	8.41	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.00000000	0.00000
P 177.434	P	n	0.00000000	0.00000000	mg/L	2.30830177	-	-	0.78529498	34.02		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	0.00000000	0.00000
Pb 220.353	Pb	n	0.00000000	0.00000000	mg/L	-24.92355693	-	-	12.78734132	51.31	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.00000000	0.00000
S 181.972	S	n	0.00000000	0.00000000	mg/L	96.60041439	-	-	3.59690747	3.72		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	0.00000000	0.00000
Sb 206.834	Sb	n	0.00000000	0.00000000	mg/L	-25.38455494	-	-	4.66715807	18.39	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.00000000	0.00000
Se 196.026	Se	n	0.00000000	0.00000000	mg/L	57.47130070	-	-	5.82444455	10.13	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.00000000	0.00000
Si 251.611	Si	n	0.00000000	0.00000000	mg/L	98.56868201	-	-	9.07385208	9.21		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	0.00000000	0.00000
Sn 189.925	Sn	n	0.00000000	0.00000000	mg/L	22.85649531	-	-	1.96559868	8.60	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.00000000	0.00000
Sr 421.552	Sr-R	n	0.00000000	0.00000000	mg/L	41.29856847	-	-	13.53110431	32.76	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	0.00000000	0.00000
Ti 334.941	Ti	n	0.00000000	0.00000000	mg/L	526.94325864	-	-	118.25757574	22.44	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.00000000	0.00000
Tl 190.794	Tl	n	0.00000000	0.00000000	mg/L	3.06947692	-	-	0.68855788	22.43	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.00000000	0.00000
V 292.401	V	n	0.00000000	0.00000000	mg/L	28.09150762	-	-	7.30240275	26.00	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.00000000	0.00000
Zn 206.200	Zn	n	0.00000000	0.00000000	mg/L	38.72496754	-	-	5.70812019	14.74	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.00000000	0.00000
Y 371.029	Y		1.00	1.00	Ratio	414112.27	0.00	0.00	3053.75	0.74		-	-	-	Fitted	-	-	1.00	1.00
Y 371.029	Y-R		1.00	1.00	Ratio	112427.06	0.00	0.00	1045.05	0.93		-	-	-	Fitted	-	-	1.00	1.00

Instrument ID: MET09

Label:	ICAL,L1,S19164	Rack:Tube:	S1:2	Type:	STD
Date Time:	10/25/2023 2:04:33 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	Concentration Replicate 2
Ag 328.068	Ag	n			mg/L	560.61879372	-	-	8.20591780	1.46		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972		
Al 396.152	Al	n	0.00666667	0.00666667	mg/L	1678.19701524	-	-	33.50030178	2.00	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	0.00666667	0.00666
As 188.980	As	n	0.00333333	0.00333333	mg/L	14.36577645	-	-	3.18372997	22.16	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.00333333	0.00333
B 249.678	B	n	0.00333333	0.00333333	mg/L	566.53451359	-	-	10.30857111	1.82	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.00333333	0.00333
Ba 230.424	Ba	n	0.00333333	0.00333333	mg/L	438.85546726	-	-	2.74791823	0.63	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.00333333	0.00333
Be 313.107	Be	n	0.00100000	0.00100000	mg/L	1864.14845544	-	-	26.80832512	1.44	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.00100000	0.00100
Ca 317.933	Ca-R	n	0.03333333	0.03333333	mg/L	1574.66275013	-	-	27.31339168	1.73	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	0.03333333	0.03333
Cd 214.439	Cd	n	0.00166667	0.00166667	mg/L	229.61176625	-	-	10.89504931	4.74	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.00166667	0.00166
Co 230.786	Co	n	0.00166667	0.00166667	mg/L	125.96948754	-	-	19.99562954	15.87	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.00166667	0.00166
Cr 267.716	Cr	n	0.00333333	0.00333333	mg/L	208.64833383	-	-	1.82885837	0.88	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.00333333	0.00333
Cu 324.754	Cu	n	0.00333333	0.00333333	mg/L	532.63360957	-	-	12.41480822	2.33	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.00333333	0.00333
Fe 259.940	Fe	n	0.00666667	0.00666667	mg/L	382.87638670	-	-	8.97686983	2.34	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.00666667	0.00666
K 766.491	K-R	n	0.06666667	0.06666667	mg/L	262.27317629	-	-	26.41033594	10.07	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	0.06666667	0.06666
Li 670.783	Li-R	n	0.00333333	0.00333333	mg/L	200.01936467	-	-	435.51216368	> 100.00	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	0.00333333	0.00333
Mg 279.800	Mg-R	n	0.03333333	0.03333333	mg/L	180.34364595	-	-	10.31287824	5.72	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	0.03333333	0.03333
Mn 257.610	Mn	n	0.00333333	0.00333333	mg/L	1418.42460757	-	-	15.90851575	1.12	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.00333333	0.00333
Mo 204.598	Mo	n	0.00333333	0.00333333	mg/L	30.35735327	-	-	5.38989123	17.75	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.00333333	0.00333
Na 589.592	Na-R	n	0.06666667	0.06666667	mg/L	2517.74166725	-	-	274.87139037	10.92	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	0.06666667	0.06666
Ni 231.604	Ni	n	0.00333333	0.00333333	mg/L	133.39357582	-	-	2.89311535	2.17	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.00333333	0.00333
P 177.434	P	n			mg/L	3.73551520	-	-	1.93514626	51.80		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651		
Pb 220.353	Pb	n	0.00333333	0.00333333	mg/L	3.27913426	-	-	12.80340670	> 100.00	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.00333333	0.00333
S 181.972	S	n			mg/L	89.11474905	-	-	3.93685566	4.42		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069		
Sb 206.834	Sb	n	0.01000010	0.01000010	mg/L	-17.34588145	-	-	6.01190190	34.66	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.01000010	0.01000
Se 196.026	Se	n	0.01000001	0.01000001	mg/L	87.39436354	-	-	8.47030261	9.69	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.01000001	0.01000
Si 251.611	Si	n			mg/L	94.04539926	-	-	12.61351865	13.41		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118		
Sn 189.925	Sn	n	0.00333333	0.00333333	mg/L	41.91332487	-	-	5.92919983	14.15	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.00333333	0.00333
Sr 421.552	Sr-R	n	0.01666667	0.01666667	mg/L	6957.77961788	-	-	96.78651104	1.39	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	0.01666667	0.01666
Ti 334.941	Ti	n	0.00333333	0.00333333	mg/L	1298.88233249	-	-	74.63325911	5.75	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.00333333	0.00333
Tl 190.794	Tl	n	0.01000010	0.01000010	mg/L	2.47289968	-	-	0.52161545	21.09	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.01000010	0.01000
V 292.401	V	n	0.00166667	0.00166667	mg/L	78.61724814	-	-	7.70899812	9.81	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.00166667	0.00166
Zn 206.200	Zn	n	0.01000010	0.01000010	mg/L	350.83782268	-	-	7.86202075	2.24	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.01000010	0.01000
Y 371.029	Y		0.99	0.99	Ratio	411056.30	0.01	0.92	3771.78	0.92		-	-	-	Fitted	-	-	0.98	0.99
Y 371.029	Y-R		1.00	1.00	Ratio	112475.14	0.01	1.38	1549.34	1.38		-	-	-	Fitted	-	-	1.01	1.01

Instrument ID: MET09

Label:	ICAL,L2,S19163	**Rack:Tube:**	S1:3	**Type:**	STD
Date Time:	10/25/2023 2:07:41 PM	**Weight:**	-	**Volume:**	-
Dilution:	-	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3	**Flags Replicate 1:**		**Flags Replicate 2:**	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity %RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentratio Replicate 2
Ag 328.068	Ag	n			mg/L	566.88124456	-	-	35.13584170	6.20		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972		
Al 396.152	Al	n	0.02000000	0.02000000	mg/L	1813.23960654	-	-	35.45088325	1.96	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	0.02000000	0.020000
As 188.980	As	n	0.01000000	0.01000000	mg/L	38.03110139	-	-	8.49284018	22.33	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.01000000	0.010000
B 249.678	B	n	0.01000000	0.01000000	mg/L	729.30963266	-	-	20.63969974	2.83	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.01000000	0.010000
Ba 230.424	Ba	n	0.01000000	0.01000000	mg/L	792.41169289	-	-	15.16935100	1.91	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.01000000	0.010000
Be 313.107	Be	n	0.00300000	0.00300000	mg/L	5625.85520286	-	-	69.53150508	1.24	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.00300000	0.003000
Ca 317.933	Ca-R	n	0.10000000	0.10000000	mg/L	2445.09618571	-	-	23.89585275	0.98	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	0.10000000	0.100000
Cd 214.439	Cd	n	0.00500000	0.00500000	mg/L	659.04671090	-	-	14.35466799	2.18	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.00500000	0.005000
Co 230.786	Co	n	0.00500000	0.00500000	mg/L	191.57004266	-	-	7.77758571	4.06	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.00500000	0.005000
Cr 267.716	Cr	n	0.01000000	0.01000000	mg/L	538.88125006	-	-	14.18907726	2.63	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.01000000	0.010000
Cu 324.754	Cu	n	0.01000000	0.01000000	mg/L	692.41477810	-	-	27.89201285	4.03	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.01000000	0.010000
Fe 259.940	Fe	n	0.02000000	0.02000000	mg/L	1190.32934950	-	-	15.11558975	1.27	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.02000000	0.020000
K 766.491	K-R	n	0.20000000	0.20000000	mg/L	426.21953509	-	-	49.63173714	11.64	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	0.20000000	0.200000
Li 670.783	Li-R	n	0.01000000	0.01000000	mg/L	689.35483508	-	-	395.64067607	57.39	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	0.01000000	0.010000
Mg 279.800	Mg-R	n	0.10000000	0.10000000	mg/L	324.65921105	-	-	16.03024371	4.94	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	0.10000000	0.100000
Mn 257.610	Mn	n	0.01000000	0.01000000	mg/L	3537.73347264	-	-	21.47761276	0.61	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.01000000	0.010000
Mo 204.598	Mo	n	0.01000000	0.01000000	mg/L	55.48872164	-	-	7.73312284	13.94	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.01000000	0.010000
Na 589.592	Na-R	n	0.20000000	0.20000000	mg/L	3674.28609644	-	-	198.16910645	5.39	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	0.20000000	0.200000
Ni 231.604	Ni	n	0.01000000	0.01000000	mg/L	253.78801290	-	-	5.94777126	2.34	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.01000000	0.010000
P 177.434	P	n			mg/L	4.36563598	-	-	1.93355749	44.29		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651		
Pb 220.353	Pb	n	0.01000000	0.01000000	mg/L	34.75538301	-	-	6.45881890	18.58	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.01000000	0.010000
S 181.972	S	n			mg/L	89.17376266	-	-	4.68092831	5.25		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069		
Sb 206.834	Sb	n	0.03000030	0.03000030	mg/L	23.92220520	-	-	8.36606589	34.97	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.03000030	0.030000
Se 196.026	Se	n	0.03000003	0.03000003	mg/L	125.69320039	-	-	2.63770838	2.10	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.03000003	0.030000
Si 251.611	Si	n			mg/L	92.40579707	-	-	16.21528547	17.55		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118		
Sn 189.925	Sn	n	0.01000000	0.01000000	mg/L	78.90677123	-	-	8.72383373	11.06	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.01000000	0.010000
Sr 421.552	Sr-R	n	0.05000000	0.05000000	mg/L	21147.55557433	-	-	42.63527857	0.20	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	0.05000000	0.050000
Ti 334.941	Ti	n	0.01000000	0.01000000	mg/L	2809.72771074	-	-	52.57177895	1.87	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.01000000	0.010000
Tl 190.794	Tl	n	0.03000030	0.03000030	mg/L	27.44705594	-	-	2.97566492	10.84	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.03000030	0.030000
V 292.401	V	n	0.00500000	0.00500000	mg/L	151.19898322	-	-	6.20447127	4.10	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.00500000	0.005000
Zn 206.200	Zn	n	0.03000030	0.03000030	mg/L	1016.01530147	-	-	11.00395784	1.08	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.03000030	0.030000
Y 371.029	Y		0.99	0.99	Ratio	410063.59	0.01	0.87	3569.54	0.87		-	-	-	Fitted	-	-	0.98	0.99
Y 371.029	Y-R		1.00	1.00	Ratio	112767.60	0.02	1.91	2153.35	1.91		-	-	-	Fitted	-	-	1.01	1.02

Instrument ID: MET09

Label: ICAL,L3,S19162 **Rack:Tube:** S1:4 **Type:** STD

Date Time: 10/25/2023 2:10:48 PM **Weight:** - **Volume:** -

Dilution: - **%RSE limit:** - **Calibration Coefficient [3]:** -

LIMS ID: **Customer:** **Customer Ref.:**

Sample Date Time: **Sample Site:** **Description:**

Replicates: 3 **Flags Replicate 1:** **Flags Replicate 2:**

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity %RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentr Replicate
Ag 328.068	Ag	n			mg/L	533.44494067	-	-	34.30301589	6.43		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972		
Al 396.152	Al	n	0.20000000	0.20000000	mg/L	6697.00369040	-	-	33.34141723	0.50	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	0.20000000	0.2000
As 188.980	As	n	0.10000000	0.10000000	mg/L	306.23767801	-	-	2.19322655	0.72	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.10000000	0.1000
B 249.678	B	n	0.10000000	0.10000000	mg/L	3353.61868000	-	-	5.56561990	0.17	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.10000000	0.1000
Ba 230.424	Ba	n	0.10000000	0.10000000	mg/L	6757.35228650	-	-	70.02752339	1.04	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.10000000	0.1000
Be 313.107	Be	n	0.03000000	0.03000000	mg/L	57651.86605532	-	-	392.53664352	0.68	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.03000000	0.0300
Ca 317.933	Ca-R	n	1.00000000	1.00000000	mg/L	14190.50532092	-	-	106.89476920	0.75	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	1.00000000	1.0000
Cd 214.439	Cd	n	0.05000000	0.05000000	mg/L	6482.56420699	-	-	57.81160389	0.89	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.05000000	0.0500
Co 230.786	Co	n	0.05000000	0.05000000	mg/L	1465.10025129	-	-	13.35341293	0.91	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.05000000	0.0500
Cr 267.716	Cr	n	0.10000000	0.10000000	mg/L	4891.59642518	-	-	49.66005103	1.02	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.10000000	0.1000
Cu 324.754	Cu	n	0.10000000	0.10000000	mg/L	3174.37099305	-	-	26.43189128	0.83	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.10000000	0.1000
Fe 259.940	Fe	n	0.20000000	0.20000000	mg/L	9203.03078631	-	-	82.16388235	0.89	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.20000000	0.2000
K 766.491	K-R	n	2.00000000	2.00000000	mg/L	2668.45422685	-	-	47.92960807	1.80	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	2.00000000	2.0000
Li 670.783	Li-R	n	0.10000000	0.10000000	mg/L	9775.11968442	-	-	368.87316752	3.77	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	0.10000000	0.1000
Mg 279.800	Mg-R	n	1.00000000	1.00000000	mg/L	2382.26516219	-	-	37.96222824	1.59	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	1.00000000	1.0000
Mn 257.610	Mn	n	0.10000000	0.10000000	mg/L	31838.62809806	-	-	389.09786372	1.22	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.10000000	0.1000
Mo 204.598	Mo	n	0.10000000	0.10000000	mg/L	532.11871695	-	-	3.01657312	0.57	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.10000000	0.1000
Na 589.592	Na-R	n	2.00000000	2.00000000	mg/L	22173.13619779	-	-	232.48387079	1.05	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	2.00000000	2.0000
Ni 231.604	Ni	n	0.10000000	0.10000000	mg/L	1754.09307378	-	-	9.56008184	0.55	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.10000000	0.1000
P 177.434	P	n			mg/L	4.17207824	-	-	2.43594610	58.39		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651		
Pb 220.353	Pb	n	0.10000000	0.10000000	mg/L	619.98990487	-	-	14.75124035	2.38	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.10000000	0.1000
S 181.972	S	n			mg/L	95.45357068	-	-	3.16877085	3.32		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069		
Sb 206.834	Sb	n	0.30000300	0.30000300	mg/L	537.25214424	-	-	8.48048339	1.58	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.30000300	0.3000
Se 196.026	Se	n	0.30000030	0.30000030	mg/L	661.40387384	-	-	6.46591213	0.98	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.30000030	0.3000
Si 251.611	Si	n			mg/L	105.33480664	-	-	5.88207204	5.58		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118		
Sn 189.925	Sn	n	0.10000000	0.10000000	mg/L	643.34497551	-	-	11.43037532	1.78	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.10000000	0.1000
Sr 421.552	Sr-R	n	0.50000000	0.50000000	mg/L	214171.24139813	-	-	1265.90351444	0.59	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	0.50000000	0.5000
Ti 334.941	Ti	n	0.10000000	0.10000000	mg/L	25166.76846170	-	-	370.43473751	1.47	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.10000000	0.1000
Tl 190.794	Tl	n	0.30000300	0.30000300	mg/L	455.93526503	-	-	40.16284795	8.81	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.30000300	0.3000
V 292.401	V	n	0.05000000	0.05000000	mg/L	1346.12609106	-	-	6.73910876	0.50	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.05000000	0.0500
Zn 206.200	Zn	n	0.30000300	0.30000300	mg/L	10112.21584987	-	-	58.14074384	0.57	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.30000300	0.3000
Y 371.029	Y		1.00	1.00	Ratio	413654.97	0.01	0.80	3326.40	0.80		-	-	-	Fitted	-	-	0.99	1.00
Y 371.029	Y-R		1.01	1.01	Ratio	113684.31	0.01	0.81	916.45	0.81		-	-	-	Fitted	-	-	1.02	1.02

Instrument ID: MET09

Label: ICAL,L4,S19161 | Rack:Tube: S1:5 | Type: STD

Date Time: 10/25/2023 2:13:55 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	C R
Ag 328.068	Ag	n			mg/L	515.42516446	-	-	12.90361680	2.50		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972		
Al 396.152	Al	n	2.00000000	2.00000000	mg/L	54108.34224656	-	-	624.35388253	1.15	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	2.00000000	2
As 188.980	As	n	1.00000000	1.00000000	mg/L	3173.07271557	-	-	31.46599385	0.99	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	1.00000000	1
B 249.678	B	n	1.00000000	1.00000000	mg/L	30186.45818027	-	-	430.69224922	1.43	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	1.00000000	1
Ba 230.424	Ba	n	1.00000000	1.00000000	mg/L	68943.49308361	-	-	952.39184187	1.38	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	1.00000000	1
Be 313.107	Be	n	0.30000000	0.30000000	mg/L	593915.09109739	-	-	7373.39779339	1.24	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.30000000	0
Ca 317.933	Ca-R	n	10.00000000	10.00000000	mg/L	131619.97833916	-	-	799.52817056	0.61	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	10.00000000	1
Cd 214.439	Cd	n	0.50000000	0.50000000	mg/L	65018.33062923	-	-	741.53147468	1.14	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.50000000	0
Co 230.786	Co	n	0.50000000	0.50000000	mg/L	14699.15297960	-	-	126.01615778	0.86	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.50000000	0
Cr 267.716	Cr	n	1.00000000	1.00000000	mg/L	48772.00957066	-	-	525.23781959	1.08	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	1.00000000	1
Cu 324.754	Cu	n	1.00000000	1.00000000	mg/L	29298.17399840	-	-	262.31057256	0.90	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	1.00000000	1
Fe 259.940	Fe	n	2.00000000	2.00000000	mg/L	91228.62954392	-	-	1065.51127943	1.17	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	2.00000000	2
K 766.491	K-R	n	20.00000000	20.00000000	mg/L	27942.67866482	-	-	180.35474643	0.65	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	20.00000000	2
Li 670.783	Li-R	n	1.00000000	1.00000000	mg/L	101004.65885591	-	-	696.53053464	0.69	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	1.00000000	1
Mg 279.800	Mg-R	n	10.00000000	10.00000000	mg/L	22774.82986532	-	-	161.27652290	0.71	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	10.00000000	1
Mn 257.610	Mn	n	1.00000000	1.00000000	mg/L	313635.02146948	-	-	3004.48183225	0.96	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	1.00000000	1
Mo 204.598	Mo	n	1.00000000	1.00000000	mg/L	5270.68746389	-	-	106.66486316	2.02	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	1.00000000	1
Na 589.592	Na-R	n	20.00000000	20.00000000	mg/L	206631.08885414	-	-	1502.64636252	0.73	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	20.00000000	2
Ni 231.604	Ni	n	1.00000000	1.00000000	mg/L	16775.42909447	-	-	117.40231916	0.70	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	1.00000000	1
P 177.434	P	n			mg/L	3.36668837	-	-	0.93778403	27.85		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651		
Pb 220.353	Pb	n	1.00000000	1.00000000	mg/L	6391.66900260	-	-	34.80254296	0.54	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	1.00000000	1
S 181.972	S	n			mg/L	99.38407589	-	-	5.36807061	5.40		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069		
Sb 206.834	Sb	n	3.00003000	3.00003000	mg/L	5750.53367440	-	-	64.50205612	1.12	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	3.00003000	3
Se 196.026	Se	n	3.00000300	3.00000300	mg/L	6212.47847351	-	-	68.13473328	1.10	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	3.00000300	3
Si 251.611	Si	n			mg/L	236.82909077	-	-	21.45636364	9.06		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118		
Sn 189.925	Sn	n	1.00000000	1.00000000	mg/L	6295.79857234	-	-	78.78985185	1.25	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	1.00000000	1
Sr 421.552	Sr-R	n	5.00000000	5.00000000	mg/L	2137557.25336196	-	-	14123.61972715	0.66	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	5.00000000	5
Ti 334.941	Ti	n	1.00000000	1.00000000	mg/L	259524.87674051	-	-	2996.25169719	1.15	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	1.00000000	1
Tl 190.794	Tl	n	3.00003000	3.00003000	mg/L	5243.97867133	-	-	284.92639364	5.43	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	3.00003000	3
V 292.401	V	n	0.50000000	0.50000000	mg/L	13721.98793434	-	-	157.79425303	1.15	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.50000000	0
Zn 206.200	Zn	n	3.00003000	3.00003000	mg/L	101720.45371629	-	-	603.33731094	0.59	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	3.00003000	3
Y 371.029	Y		0.98	0.98	Ratio	404566.42	0.01	1.18	4757.07	1.18		-	-	-	Fitted	-	-	0.96	0
Y 371.029	Y-R		1.00	1.00	Ratio	112510.08	0.01	0.79	890.90	0.79		-	-	-	Fitted	-	-	1.00	1

Instrument ID: MET09

Label: ICAL,L5,S19156 **Rack:Tube:** S1:6 **Type:** STD

Date Time: 10/25/2023 2:17:02 PM **Weight:** - **Volume:** -

Dilution: - **%RSE limit:** - **Calibration Coefficient [3]:** -

LIMS ID: **Customer:** **Customer Ref.:**

Sample Date Time: **Sample Site:** **Description:**

Replicates: 3 **Flags Replicate 1:** **Flags Replicate 2:**

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration %RSD	Intensity SD	Intensity %RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1
Ag 328.068	Ag	n			mg/L	483.71962054	-	-	16.00564023	3.31		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	
Al 396.152	Al	n	10.00000000	10.00000000	mg/L	274487.74742641	-	-	4402.01471399	1.60	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	10.00000000
As 188.980	As	n	5.00000000	5.00000000	mg/L	15905.04642728	-	-	149.15169212	0.94	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	5.00000000
B 249.678	B	n	5.00000000	5.00000000	mg/L	151862.62783009	-	-	1212.88775002	0.80	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	5.00000000
Ba 230.424	Ba	n	5.00000000	5.00000000	mg/L	338775.89542213	-	-	5077.71681721	1.50	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	5.00000000
Be 313.107	Be	n	1.50000000	1.50000000	mg/L	2925124.19038416	-	-	51714.24817849	1.77	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	1.50000000
Ca 317.933	Ca-R	n	50.00000000	50.00000000	mg/L	634905.06634425	-	-	4207.25082735	0.66	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	50.00000000
Cd 214.439	Cd	n	2.50000000	2.50000000	mg/L	316139.87907667	-	-	4000.00405034	1.27	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	2.50000000
Co 230.786	Co	n	2.50000000	2.50000000	mg/L	71817.58314754	-	-	875.21407939	1.22	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	2.50000000
Cr 267.716	Cr	n	5.00000000	5.00000000	mg/L	240409.82364654	-	-	3576.99758489	1.49	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	5.00000000
Cu 324.754	Cu	n	5.00000000	5.00000000	mg/L	152319.23887728	-	-	1995.42697988	1.31	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	5.00000000
Fe 259.940	Fe	n	10.00000000	10.00000000	mg/L	451372.58912480	-	-	6904.18186356	1.53	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	10.00000000
K 766.491	K-R	n	100.00000000	100.00000000	mg/L	141854.29011622	-	-	892.70846506	0.63	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	100.0000000
Li 670.783	Li-R	n	5.00000000	5.00000000	mg/L	503594.55084229	-	-	3068.87888639	0.61	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	5.00000000
Mg 279.800	Mg-R	n	50.00000000	50.00000000	mg/L	109532.56506751	-	-	711.68888090	0.65	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	50.00000000
Mn 257.610	Mn	n	5.00000000	5.00000000	mg/L	1526168.37869249	-	-	13629.19480403	0.89	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	5.00000000
Mo 204.598	Mo	n	5.00000000	5.00000000	mg/L	26377.67769250	-	-	635.35366305	2.41	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	5.00000000
Na 589.592	Na-R	n	100.00000000	100.00000000	mg/L	1001628.07735556	-	-	6790.66235104	0.68	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	100.0000000
Ni 231.604	Ni	n	5.00000000	5.00000000	mg/L	81503.25429983	-	-	973.48704232	1.19	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	5.00000000
P 177.434	P	n			mg/L	-2.05186680	-	-	0.32871499	16.02		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	
Pb 220.353	Pb	n	5.00000000	5.00000000	mg/L	31236.21715616	-	-	333.47940080	1.07	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	5.00000000
S 181.972	S	n			mg/L	120.75353674	-	-	4.05135647	3.36		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	
Sb 206.834	Sb	n	15.00015000	15.00015000	mg/L	29400.48637773	-	-	301.37519231	1.03	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	15.00015000
Se 196.026	Se	n	15.00000000	15.00000000	mg/L	30636.02169020	-	-	290.10990041	0.95	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	15.00000000
Si 251.611	Si	n			mg/L	660.35506274	-	-	67.93005559	10.29		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	
Sn 189.925	Sn	n	5.00000000	5.00000000	mg/L	31121.00483149	-	-	471.30170619	1.51	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	5.00000000
Sr 421.552	Sr-R	n	25.00000000	25.00000000	mg/L	10287199.43990020	-	-	79894.13676222	0.78	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	25.00000000
Ti 334.941	Ti	n	5.00000000	5.00000000	mg/L	1286459.62218688	-	-	29279.04219942	2.28	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	5.00000000
Tl 190.794	Tl	n	15.00015000	15.00015000	mg/L	26920.06397677	-	-	1151.81403311	4.28	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	15.00015000
V 292.401	V	n	2.50000000	2.50000000	mg/L	68168.51855435	-	-	960.52390675	1.41	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	2.50000000
Zn 206.200	Zn	n	15.00015000	15.00015000	mg/L	489512.44158112	-	-	4410.56821661	0.90	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	15.00015000
Y 371.029	Y		0.95	0.95	Ratio	395275.17	0.01	1.05	4140.01	1.05		-	-	-	Fitted	-	-	0.94
Y 371.029	Y-R		0.98	0.98	Ratio	110675.08	0.01	0.88	973.18	0.88		-	-	-	Fitted	-	-	0.99

Instrument ID: MET09

Label:	ICAL,L6,S19112	**Rack:Tube:**	S1:7	**Type:**	STD
Date Time:	10/25/2023 2:20:09 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	n			mg/L	474.30379662	-	-	15.05647605	3.17		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	
Al 396.152	Al	n	20.00000000	20.00000000	mg/L	571960.99169817	-	-	8679.92559891	1.52	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	20.0000000
As 188.980	As	n	10.00000000	10.00000000	mg/L	32391.17955075	-	-	245.42136263	0.76	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	10.0000000
B 249.678	B	n	10.00000000	10.00000000	mg/L	308185.20006240	-	-	1743.54416079	0.57	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	10.0000000
Ba 230.424	Ba	n	10.00000000	10.00000000	mg/L	677687.96006359	-	-	9898.82854847	1.46	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	10.0000000
Be 313.107	Be	n	3.00000000	3.00000000	mg/L	5879104.21158547	-	-	34561.23662902	0.59	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	3.00000000
Ca 317.933	Ca-R	n	100.00000000	100.00000000	mg/L	1277592.50877670	-	-	14705.75356467	1.15	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	100.000000
Cd 214.439	Cd	n	5.00000000	5.00000000	mg/L	622678.39255523	-	-	8285.30257402	1.33	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	5.00000000
Co 230.786	Co	n	5.00000000	5.00000000	mg/L	144548.25450349	-	-	1322.82496898	0.92	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	5.00000000
Cr 267.716	Cr	n	10.00000000	10.00000000	mg/L	482947.14285928	-	-	6330.74690101	1.31	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	10.0000000
Cu 324.754	Cu	n	10.00000000	10.00000000	mg/L	316229.05630641	-	-	3475.10097795	1.10	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	10.0000000
Fe 259.940	Fe	n	20.00000000	20.00000000	mg/L	901234.21679241	-	-	10829.76144650	1.20	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	20.0000000
K 766.491	K-R	n	200.00000000	200.00000000	mg/L	292250.88417026	-	-	3519.72819339	1.20	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	200.000000
Li 670.783	Li-R	n	10.00000000	10.00000000	mg/L	1024432.14748795	-	-	12054.20997153	1.18	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	10.0000000
Mg 279.800	Mg-R	n	100.00000000	100.00000000	mg/L	222081.40639593	-	-	2512.34206080	1.13	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	100.000000
Mn 257.610	Mn	n	10.00000000	10.00000000	mg/L	3046455.88309296	-	-	32222.63294389	1.06	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	10.0000000
Mo 204.598	Mo	n	10.00000000	10.00000000	mg/L	52567.17630726	-	-	2118.25743428	4.03	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	10.0000000
Na 589.592	Na-R	n	200.00000000	200.00000000	mg/L	2036898.84761121	-	-	23569.10159507	1.16	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	200.000000
Ni 231.604	Ni	n	10.00000000	10.00000000	mg/L	163564.13955123	-	-	1351.60520364	0.83	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	10.0000000
P 177.434	P	n			mg/L	3.40671294	-	-	1.27712994	37.49		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	
Pb 220.353	Pb	n	10.00000000	10.00000000	mg/L	62712.15532189	-	-	534.32217324	0.85	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	10.0000000
S 181.972	S	n			mg/L	134.27861241	-	-	3.15587465	2.35		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	
Sb 206.834	Sb	n	30.00030000	30.00030000	mg/L	59747.08774164	-	-	628.72409063	1.05	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	30.0003000
Se 196.026	Se	n	30.00000000	30.00000000	mg/L	61689.56356144	-	-	536.65287215	0.87	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	30.0000000
Si 251.611	Si	n			mg/L	1159.08974884	-	-	111.52774489	9.62		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	
Sn 189.925	Sn	n	10.00000000	10.00000000	mg/L	62528.34300144	-	-	981.94972244	1.57	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	10.0000000
Sr 421.552	Sr-R	n	50.00000000	50.00000000	mg/L	20844511.52833590	-	-	160785.29918176	0.77	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	50.0000000
Ti 334.941	Ti	n	10.00000000	10.00000000	mg/L	2616785.55299071	-	-	33283.40219987	1.27	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	10.0000000
Tl 190.794	Tl	n	30.00030000	30.00030000	mg/L	54799.50142659	-	-	1787.26271992	3.26	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	30.0003000
V 292.401	V	n	5.00000000	5.00000000	mg/L	138454.78396332	-	-	1741.31719518	1.26	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	5.00000000
Zn 206.200	Zn	n	30.00030000	30.00030000	mg/L	953839.70727453	-	-	14272.04291627	1.50	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	30.0003000
Y 371.029	Y		0.95	0.95	Ratio	393717.83	0.01	0.77	3032.05	0.77		-	-	-	Fitted	-	-	0.94
Y 371.029	Y-R		0.98	0.98	Ratio	109678.37	0.01	1.29	1410.52	1.29		-	-	-	Fitted	-	-	0.99

Instrument ID: MET09

Label: ICAL,L7,S19241 | Rack:Tube: S1:8 | Type: STD
Date Time: 10/25/2023 2:23:16 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	Concentr Replicate
Ag 328.068	Ag	n	2.00000000	2.00000000	mg/L	116560.07030607	-	-	1104.75651617	0.95		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	2.00000000	2.0000
Al 396.152	Al	n			mg/L	1557.62479660	-	-	27.90606611	1.79	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081		
As 188.980	As	n			mg/L	11.53284041	-	-	4.64263114	40.26	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673		
B 249.678	B	n			mg/L	566.54879718	-	-	22.01853185	3.89	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363		
Ba 230.424	Ba	n			mg/L	312.58368635	-	-	14.39712621	4.61	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625		
Be 313.107	Be	n			mg/L	151.72516232	-	-	19.94804466	13.15	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761		
Ca 317.933	Ca-R	n			mg/L	1172.65272296	-	-	16.64755898	1.42	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492		
Cd 214.439	Cd	n			mg/L	30.82550848	-	-	7.98738871	25.91	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545		
Co 230.786	Co	n			mg/L	11.17137390	-	-	8.17331445	73.16	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397		
Cr 267.716	Cr	n			mg/L	53.97171921	-	-	3.66895674	6.80	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027		
Cu 324.754	Cu	n			mg/L	479.75544638	-	-	9.19991441	1.92	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643		
Fe 259.940	Fe	n			mg/L	324.66799624	-	-	61.02365640	18.80	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998		
K 766.491	K-R	n			mg/L	274.12778334	-	-	90.78834691	33.12	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184		
Li 670.783	Li-R	n			mg/L	-729.11240347	-	-	194.37032957	26.66	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958		
Mg 279.800	Mg-R	n			mg/L	89.23321410	-	-	10.47283219	11.74	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665		
Mn 257.610	Mn	n			mg/L	402.27701507	-	-	19.01356817	4.73	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366		
Mo 204.598	Mo	n			mg/L	290.68369687	-	-	90.37772336	31.09	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665		
Na 589.592	Na-R	n			mg/L	2248.78781647	-	-	459.59347079	20.44	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747		
Ni 231.604	Ni	n			mg/L	91.58586868	-	-	3.88196939	4.24	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788		
P 177.434	P	n			mg/L	2.14085464	-	-	2.05139038	95.82		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651		
Pb 220.353	Pb	n			mg/L	-28.66112463	-	-	8.93070317	31.16	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768		
S 181.972	S	n			mg/L	85.08168646	-	-	4.43098897	5.21		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069		
Sb 206.834	Sb	n			mg/L	-17.64255500	-	-	1.44105107	8.17	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767		
Se 196.026	Se	n			mg/L	75.83133036	-	-	7.26635298	9.58	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856		
Si 251.611	Si	n			mg/L	83.34572974	-	-	8.25478672	9.90		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118		
Sn 189.925	Sn	n			mg/L	34.35634081	-	-	16.76487144	48.80	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859		
Sr 421.552	Sr-R	n			mg/L	42.86761427	-	-	26.97712064	62.93	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848		
Ti 334.941	Ti	n			mg/L	1317.26380975	-	-	276.32200251	20.98	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752		
Tl 190.794	Tl	n			mg/L	5.57533868	-	-	3.25083401	58.31	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074		
V 292.401	V	n			mg/L	16.66025834	-	-	9.83698345	59.04	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585		
Zn 206.200	Zn	n			mg/L	46.98127918	-	-	10.29859228	21.92	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383		
Y 371.029	Y		1.01	1.01	Ratio	416773.41	0.01	0.68	2849.67	0.68		-	-	-	Fitted	-	-	1.00	1.01
Y 371.029	Y-R		1.02	1.02	Ratio	114731.55	0.00	0.34	386.37	0.34		-	-	-	Fitted	-	-	1.02	1.02

Instrument ID: MET09

Label: ICAL,L8,S18727 | Rack:Tube: S1:9 | Type: STD
Date Time: 10/25/2023 2:26:23 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	Concen Replica
Ag 328.068	Ag	n			mg/L	573.04191974	-	-	30.70928082	5.36		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972		
Al 396.152	Al	n			mg/L	1534.91553385	-	-	32.50378177	2.12	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081		
As 188.980	As	n			mg/L	10.34112164	-	-	3.72688690	36.04	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673		
B 249.678	B	n			mg/L	566.93248836	-	-	19.89269791	3.51	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363		
Ba 230.424	Ba	n			mg/L	288.57740733	-	-	4.86967765	1.69	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625		
Be 313.107	Be	n			mg/L	109.49743803	-	-	9.64498060	8.81	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761		
Ca 317.933	Ca-R	n			mg/L	1194.18599931	-	-	10.30978762	0.86	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492		
Cd 214.439	Cd	n			mg/L	22.76976765	-	-	2.67081611	11.73	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545		
Co 230.786	Co	n			mg/L	15.99576803	-	-	5.65320931	35.34	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397		
Cr 267.716	Cr	n			mg/L	65.44022495	-	-	7.53677860	11.52	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027		
Cu 324.754	Cu	n			mg/L	484.44202079	-	-	20.10949151	4.15	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643		
Fe 259.940	Fe	n			mg/L	206.73827356	-	-	27.50473217	13.30	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998		
K 766.491	K-R	n			mg/L	252.83545275	-	-	76.13882135	30.11	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184		
Li 670.783	Li-R	n			mg/L	-879.80071708	-	-	220.34825642	25.05	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958		
Mg 279.800	Mg-R	n			mg/L	86.05284772	-	-	4.17939014	4.86	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665		
Mn 257.610	Mn	n			mg/L	401.18654553	-	-	11.02607762	2.75	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366		
Mo 204.598	Mo	n			mg/L	61.39205246	-	-	13.79893070	22.48	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665		
Na 589.592	Na-R	n			mg/L	1741.66938418	-	-	285.04358384	16.37	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747		
Ni 231.604	Ni	n			mg/L	87.59208830	-	-	2.35312377	2.69	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788		
P 177.434	P	n	10.00000000	10.00000000	mg/L	4417.88889726	-	-	13.79687376	0.31		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	10.00000000	10.00
Pb 220.353	Pb	n			mg/L	-26.46724418	-	-	6.08969148	23.01	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768		
S 181.972	S	n	10.00000000	10.00000000	mg/L	10196.21315049	-	-	44.65457718	0.44		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	10.00000000	10.00
Sb 206.834	Sb	n			mg/L	-36.20565477	-	-	5.06647859	13.99	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767		
Se 196.026	Se	n			mg/L	66.43966443	-	-	7.46090482	11.23	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856		
Si 251.611	Si	n	10.00000000	10.00000000	mg/L	62294.14302792	-	-	270.70226998	0.43		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	10.00000000	10.00
Sn 189.925	Sn	n			mg/L	20.98011398	-	-	9.61917990	45.85	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859		
Sr 421.552	Sr-R	n			mg/L	32.90235237	-	-	9.59673261	29.17	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848		
Ti 334.941	Ti	n			mg/L	1412.40078019	-	-	233.69523884	16.55	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752		
Tl 190.794	Tl	n			mg/L	1.65976741	-	-	0.28533763	17.19	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074		
V 292.401	V	n			mg/L	25.34750129	-	-	11.74980922	46.35	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585		
Zn 206.200	Zn	n			mg/L	33.88733113	-	-	2.56780530	7.58	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383		
Y 371.029	Y		1.03	1.03	Ratio	424522.70	0.01	0.86	3632.57	0.86		-	-	-	Fitted	-	-	1.02	1.03
Y 371.029	Y-R		1.04	1.04	Ratio	116659.44	0.01	1.18	1372.05	1.18		-	-	-	Fitted	-	-	1.03	1.05

Instrument ID: MET09

Label:	ICV,S19239	Rack:Tube:	S1:12	Type:	QC
Date Time:	10/25/2023 2:29:31 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	n	0.48602964	0.48602964	mg/L	28752.68689225	0.00340098	0.69974665	197.25300120	0.69		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	0.48211478
Al 396.152	Al	n	1.08352814	1.08352814	mg/L	30102.04597634	0.01095960	1.01147374	288.82225864	0.96	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	1.07121565
As 188.980	As	n	1.02396367	1.02396367	mg/L	3245.58718887	0.00696730	0.68042486	22.11530701	0.68	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	1.01689945
B 249.678	B	n	1.04699731	1.04699731	mg/L	31222.16078100	0.00872109	0.83296161	256.53503693	0.82	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	1.03735891
Ba 230.424	Ba	n	1.04477193	1.04477193	mg/L	69555.79046807	0.00842785	0.80666926	559.31450245	0.80	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	1.03612929
Be 313.107	Be	n	1.02756274	1.02756274	mg/L	1989286.39318646	0.01211256	1.17876556	23449.16922743	1.18	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	1.01412131
Ca 317.933	Ca-R	n	51.73801880	51.73801880	mg/L	665574.62886275	0.46162085	0.89222754	5927.21289741	0.89	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	52.27051094
Cd 214.439	Cd	n	1.01543509	1.01543509	mg/L	129830.36523960	0.00663013	0.65293535	847.53442436	0.65	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	1.00792047
Co 230.786	Co	n	1.01937297	1.01937297	mg/L	29341.87411360	0.00647990	0.63567485	186.11279854	0.63	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	1.01254477
Cr 267.716	Cr	n	0.99263419	0.99263419	mg/L	48166.79381409	0.01183277	1.19205758	573.54761314	1.19	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.97912011
Cu 324.754	Cu	n	1.02581238	1.02581238	mg/L	30203.60577834	0.00752353	0.73342116	218.09887064	0.72	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	1.01716317
Fe 259.940	Fe	n	1.03663111	1.03663111	mg/L	46516.10605073	0.01379071	1.33033959	614.56465300	1.32	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	1.02100998
K 766.491	K-R	n	61.69770782	61.69770782	mg/L	86668.49678693	0.34254108	0.55519255	480.61519957	0.55	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	62.07257366
Li 670.783	Li-R	n	1.00727320	1.00727320	mg/L	101687.13434495	0.00901867	0.89535471	912.08781825	0.90	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.4512282234211	101133.317042958	1.01768476
Mg 279.800	Mg-R	n	51.53334355	51.53334355	mg/L	114880.52486589	0.38388051	0.74491675	855.03297775	0.74	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	51.97556083
Mn 257.610	Mn	n	1.01048901	1.01048901	mg/L	314327.78355574	0.01062387	1.05135928	3300.22257716	1.05	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.99842479
Mo 204.598	Mo	n	1.01598663	1.01598663	mg/L	5266.49872170	0.02254590	2.21911371	116.50424393	2.21	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.99212084
Na 589.592	Na-R	n	50.47364410	50.47364410	mg/L	512751.27691767	0.41495735	0.82212679	4200.68981061	0.82	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	50.94935262
Ni 231.604	Ni	n	0.99386128	0.99386128	mg/L	16575.46923061	0.00957479	0.96339282	158.87742552	0.96	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.98280697
P 177.434	P	n	5.45765888	5.45765888	mg/L	2412.76411402	0.05516169	1.01072068	24.35708749	1.01		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	5.39396365
Pb 220.353	Pb	n	1.01102133	1.01102133	mg/L	6400.04436295	0.00851964	0.84267690	54.15084022	0.85	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	1.00129451
S 181.972	S	n	5.49481247	5.49481247	mg/L	5645.37717718	0.02683741	0.48841353	27.10474258	0.48		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	5.46434265
Sb 206.834	Sb	n	1.00282081	1.00282081	mg/L	1923.97204779	0.01613007	1.60846984	31.48617117	1.64	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.98433770
Se 196.026	Se	n	1.01279435	1.01279435	mg/L	2126.68127218	0.01229238	1.21370916	25.05074283	1.18	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.99863359
Si 251.611	Si	nQ	5.52477131	5.52477131	mg/L	34440.79431795	0.12220784	2.21199809	760.07865354	2.21		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	5.40368842
Sn 189.925	Sn	n	5.08714272	5.08714272	mg/L	31779.17587947	0.05230489	1.02817817	326.50042292	1.03	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	5.02696322
Sr 421.552	Sr-R	n	1.02929573	1.02929573	mg/L	434683.73480028	0.00897974	0.87241560	3790.17585700	0.87	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	1.03963748
Ti 334.941	Ti	n	1.03587243	1.03587243	mg/L	265919.04406159	0.01270559	1.22655911	3257.64512967	1.23	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	1.02188601
Tl 190.794	Tl	nQ	1.27383359	1.27383359	mg/L	1802.52752990	0.03475044	2.72802018	49.34242614	2.74	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	1.23456801
V 292.401	V	n	1.03948000	1.03948000	mg/L	27884.50276631	0.00860444	0.82776392	230.72407484	0.83	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	1.03020648
Zn 206.200	Zn	n	1.01008834	1.01008834	mg/L	33728.88062599	0.00482174	0.47735787	160.79198344	0.48	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	1.00503180
Y 371.029	Y		0.97	0.97	Ratio	402710.16	0.01	0.62	2515.97	0.62		-	-	-	Fitted	-	-	0.97
Y 371.029	Y-R		0.99	0.99	Ratio	111835.40	0.01	0.51	566.87	0.51		-	-	-	Fitted	-	-	1.00

ENTHALPY INSTRUMENT BLANK FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961011	File:	icp data	Time:	25-OCT-2023 14:32
Cal:	673429961001	Caldate:	25-OCT-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	414112	417246	0.76
Yttrium	R	112427	115337	2.59

Instrument ID: MET09

Label: ICB | Rack:Tube: S1:1 | Type: QC

Date Time: 10/25/2023 2:32:37 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	n	0.00017919	0.00017919	mg/L	572.58835992	0.00012164	67.88106008	7.05487945	1.23		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	0.00004359	0.
Al 396.152	Al	nu	0.00100116	0.00100116	mg/L	1522.78004664	0.00129158	129.00868451	34.03758806	2.24	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	0.00201169	-(
As 188.980	As	n	0.00228962	0.00228962	mg/L	2.15726676	0.00066562	29.07103827	2.11277201	97.94	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.00213249	0.
B 249.678	B	n	0.00286427	0.00286427	mg/L	515.71480656	0.00106562	37.20392087	31.34576040	6.08	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.00338628	0.
Ba 230.424	Ba	n	0.00127473	0.00127473	mg/L	301.21599376	0.00019979	15.67283533	13.25881462	4.40	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.00111231	0.
Be 313.107	Be	n	0.00007707	0.00007707	mg/L	134.57946116	0.00001154	14.97809533	22.34747590	16.61	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.00006389	0.
Ca 317.933	Ca-R	nu	-0.00189488	-0.00189488	mg/L	1202.10477255	0.00021442	11.31586500	2.75317793	0.23	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	-0.00170248	-(
Cd 214.439	Cd	nu	-0.00004250	-0.00004250	mg/L	19.26427586	0.00002294	53.97141461	2.93218786	15.22	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	-0.00003369	-(
Co 230.786	Co	n	0.00109872	0.00109872	mg/L	95.31997429	0.00031067	28.27581220	8.92295528	9.36	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.00123796	0.
Cr 267.716	Cr	nu	-0.00022929	-0.00022929	mg/L	35.90568008	0.00045832	199.88895345	22.21525878	61.87	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	-0.00067869	0.
Cu 324.754	Cu	n	0.00061681	0.00061681	mg/L	479.18340428	0.00037111	60.16633914	10.75822113	2.25	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.00086408	0.
Fe 259.940	Fe	n	0.00137088	0.00137088	mg/L	301.03849763	0.00036105	26.33692269	16.08964599	5.34	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.00095446	0.
K 766.491	K-R	n	0.05720318	0.05720318	mg/L	200.32089136	0.02720710	47.56221428	38.17394770	19.06	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	0.08343397	0.
Li 670.783	Li-R	nZu	-0.00808423	-0.00808423	mg/L	-1029.03631467	0.00133240	16.48150410	134.75023460	13.09	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	-0.00660209	-(
Mg 279.800	Mg-R	nu	0.00032765	0.00032765	mg/L	96.62523387	0.00099917	304.94693392	2.22549902	2.30	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	-0.00069083	0.
Mn 257.610	Mn	n	0.00001021	0.00001021	mg/L	393.88339884	0.00000456	44.64198290	1.41579609	0.36	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.00001435	0.
Mo 204.598	Mo	nZ	0.00520228	0.00520228	mg/L	43.48909977	0.00218952	42.08778145	11.31419794	26.02	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.00310887	0.
Na 589.592	Na-R	nu	-0.02791524	-0.02791524	mg/L	1547.05868144	0.02059868	73.79007709	208.52422512	13.48	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	-0.00515792	-(
Ni 231.604	Ni	nu	0.00072711	0.00072711	mg/L	93.93251742	0.00110235	151.60735048	18.29159257	19.47	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.00151540	-(
P 177.434	P	nu	-0.00194760	-0.00194760	mg/L	1.44827609	0.00191712	98.43530149	0.84652172	58.45		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	-0.00133965	-(
Pb 220.353	Pb	nu	-0.00132525	-0.00132525	mg/L	-32.50439185	0.00207498	156.57206790	13.18854579	40.57	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.00051559	-(
S 181.972	S	nu	-0.00893064	-0.00893064	mg/L	87.58025250	0.00211792	23.71517940	2.13901440	2.44		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	-0.00651410	-(
Sb 206.834	Sb	nu	0.00139030	0.00139030	mg/L	-30.35413465	0.00568297	408.75723856	11.09324500	36.55	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.00795237	-(
Se 196.026	Se	n	0.00632622	0.00632622	mg/L	75.01961172	0.00254540	40.23569852	5.18729199	6.91	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.00898669	0.
Si 251.611	Si	nu	0.00110273	0.00110273	mg/L	105.42431586	0.00191947	174.06599930	11.93825293	11.32		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	0.00196218	-(
Sn 189.925	Sn	n	0.00075085	0.00075085	mg/L	27.03233366	0.00029428	39.19296254	1.83697080	6.80	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.00095235	0.
Sr 421.552	Sr-R	nu	0.00001702	0.00001702	mg/L	46.93270105	0.00007253	426.05534914	30.61229533	65.23	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	-0.00002577	-(
Ti 334.941	Ti	n	0.00103086	0.00103086	mg/L	592.10261639	0.00020176	19.57241296	51.73121443	8.74	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.00079822	0.
Tl 190.794	Tl	n	0.00854129	0.00854129	mg/L	5.63483691	0.00241673	28.29464038	3.43153037	60.90	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.00609227	0.
V 292.401	V	nu	0.00002529	0.00002529	mg/L	20.72506579	0.00032487	1284.70435520	8.71116527	42.03	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	-0.00009796	-(
Zn 206.200	Zn	n	0.00038625	0.00038625	mg/L	42.40217372	0.00008262	21.39059710	2.75517846	6.50	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.00030128	0.
Y 371.029	Y		1.01	1.01	Ratio	417245.82	0.01	0.69	2866.16	0.69		-	-	-	Fitted	-	-	1.00	1.
Y 371.029	Y-R		1.03	1.03	Ratio	115337.46	0.01	1.46	1680.62	1.46		-	-	-	Fitted	-	-	1.04	1.

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961013	File:	icp data	Time:	25-OCT-2023 14:38
Cal:	673429961001	Caldate:	25-OCT-2023		

Standards: S19107

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.007747]	0.003333	mg/L	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	414.9	mg/L	104	
Aluminum as Al2O3	A	755.8	783.9	mg/L	104	
Iron	A	160.0	156.1	mg/L	98	
Iron as Fe2O3	A	228.8	223.2	mg/L	98	
Calcium	R	400.0	401.7	mg/L	100	
Calcium as CaCO3	R	998.9	1003	mg/L	100	
Magnesium	R	400.0	411.4	mg/L	103	
Magnesium as MgCO3	R	1388	1427	mg/L	103	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	414112	373921	-9.71
Yttrium	R	112427	105984	-5.73

-=low bias a=ICSA

Instrument ID: MET09

Label: ICSA,S19107 | Rack:Tube: S1:14 | Type: QC
Date Time: 10/25/2023 2:38:53 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	nu	-0.00078669	-0.00078669	mg/L	568.74411180	0.00067904	86.31611635	39.38366211	6.92		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	-0.0000
Al 396.152	Al	no	414.88976010	414.88976010	mg/L	10935686.11200580	6.08408506	1.46643413	160336.03201905	1.47	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	408.023
As 188.980	As	nK	0.00380859	0.00380859	mg/L	28.13964430	0.00144227	37.86872209	4.57797671	16.27	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.00314
B 249.678	B	nK	0.00784941	0.00784941	mg/L	517.39171883	0.00078615	10.01537127	23.12490674	4.47	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.00703
Ba 230.424	Ba	nK	0.00393426	0.00393426	mg/L	542.61705483	0.00023677	6.01808527	15.71305988	2.90	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.00370
Be 313.107	Be	n	0.00003834	0.00003834	mg/L	96.09808092	0.00001000	26.07478766	19.35620846	20.14	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.00002
Ca 317.933	Ca-R	no	401.71268746	401.71268746	mg/L	5159549.48638447	4.87240247	1.21290729	62561.65959553	1.21	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	407.336
Cd 214.439	Cd	n	0.00079689	0.00079689	mg/L	386.43562475	0.00006626	8.31455592	8.46981648	2.19	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.00085
Co 230.786	Co	nu	-0.00059654	-0.00059654	mg/L	55.42192761	0.00037828	63.41275777	10.86480914	19.60	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	-0.0003
Cr 267.716	Cr	nu	-0.00007128	-0.00007128	mg/L	104.98556446	0.00015455	216.81133408	7.49102836	7.14	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	-0.0002
Cu 324.754	Cu	nu	-0.00124666	-0.00124666	mg/L	473.01178241	0.00048377	38.80489801	14.02385751	2.96	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	-0.0009
Fe 259.940	Fe	no	156.08212369	156.08212369	mg/L	6956551.87858331	2.79173889	1.78863461	124410.09474025	1.79	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	153.042
K 766.491	K-R	n	0.28672742	0.28672742	mg/L	172.16934937	0.02368636	8.26093153	33.23403668	19.30	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	0.31244
Li 670.783	Li-R	nKu	-0.00790080	-0.00790080	mg/L	-749.66467801	0.00226949	28.72477335	229.52079346	30.62	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	-0.0055
Mg 279.800	Mg-R	no	411.43490399	411.43490399	mg/L	916675.81950133	4.43823625	1.07872137	9885.46766177	1.08	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	416.558
Mn 257.610	Mn	n	0.00063766	0.00063766	mg/L	989.92517944	0.00005785	9.07262961	17.97140389	1.82	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.00063
Mo 204.598	Mo	nK	0.00514832	0.00514832	mg/L	54.88145670	0.00251165	48.78578883	12.97874947	23.65	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.00239
Na 589.592	Na-R	n	0.18930397	0.18930397	mg/L	2379.87631430	0.02628271	13.88386486	266.06470385	11.18	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	0.21798
Ni 231.604	Ni	n	0.00147239	0.00147239	mg/L	144.04835465	0.00097490	66.21217807	16.17680962	11.23	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.00155
P 177.434	P	nu	-0.00306502	-0.00306502	mg/L	3.34974192	0.00506041	165.10230439	2.23446671	66.71		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	-0.0075
Pb 220.353	Pb	nKu	-0.00774653	-0.00774653	mg/L	-687.71708252	0.00220063	28.40794772	13.98720588	2.03	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	-0.0087
S 181.972	S	n	0.12920751	0.12920751	mg/L	227.96851518	0.00231969	1.79531788	2.34279263	1.03		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	0.12678
Sb 206.834	Sb	n	0.00736037	0.00736037	mg/L	-31.09530576	0.00704473	95.71156022	13.75142622	44.22	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.00062
Se 196.026	Se	nK	0.02338812	0.02338812	mg/L	97.17887007	0.00221184	9.45709066	4.50751883	4.64	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.02295
Si 251.611	Si	n	0.05724309	0.05724309	mg/L	119.12662312	0.00114238	1.99566723	7.10510776	5.96		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	0.05605
Sn 189.925	Sn	nKu	-0.00388292	-0.00388292	mg/L	25.47370921	0.00064237	16.54345641	4.00983329	15.74	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	-0.0036
Sr 421.552	Sr-R	nu	-0.00131710	-0.00131710	mg/L	1038.83162651	0.00005766	4.37784858	24.33749686	2.34	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	-0.0013
Ti 334.941	Ti	n	0.00063870	0.00063870	mg/L	431.34738850	0.00039551	61.92456524	101.40719555	23.51	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.00105
Tl 190.794	Tl	n	0.00343495	0.00343495	mg/L	6.26254122	0.00064560	18.79514571	0.91669706	14.64	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.00351
V 292.401	V	nu	-0.00158545	-0.00158545	mg/L	-250.45290076	0.00025278	15.94363239	6.77811620	2.71	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	-0.0013
Zn 206.200	Zn	nKu	-0.02279592	-0.02279592	mg/L	549.41630584	0.00048804	2.14088789	16.27466112	2.96	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	-0.0231
Y 371.029	Y		0.90	0.90	Ratio	373921.03	0.01	0.73	2743.52	0.73		-	-	-	Fitted	-	-	0.90
Y 371.029	Y-R		0.94	0.94	Ratio	105983.95	0.00	0.49	523.78	0.49		-	-	-	Fitted	-	-	0.94

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961014	File:	icp data	Time:	25-OCT-2023 14:42
Cal:	673429961001	Caldate:	25-OCT-2023		

Standards: S19108

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.038	mg/L	4	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	414112	374290	-9.62
Yttrium	R	112427	105779	-5.91

Instrument ID: MET09

Label: ICSAB,S19108 | Rack:Tube: S1:15 | Type: QC
Date Time: 10/25/2023 2:42:01 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	n	1.08678054	1.08678054	mg/L	63646.95712811	0.01157917	1.06545601	671.57946957	1.06		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	1.07372
Al 396.152	Al	no	416.18463760	416.18463760	mg/L	10969814.30608480	5.93110798	1.42511459	156304.57324661	1.42	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	409.839
As 188.980	As	n	0.00337237	0.00337237	mg/L	26.91311446	0.00236620	70.16444401	7.51070170	27.91	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.00064
B 249.678	B	n	0.00739186	0.00739186	mg/L	502.78836522	0.00042153	5.70263520	12.39954431	2.47	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.00690
Ba 230.424	Ba	n	0.55112769	0.55112769	mg/L	36857.62397076	0.00923092	1.67491451	612.60981879	1.66	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.54269
Be 313.107	Be	n	0.53828779	0.53828779	mg/L	1042114.47720407	0.00496720	0.92277797	9616.19853274	0.92	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.53327
Ca 317.933	Ca-R	no	405.89220796	405.89220796	mg/L	5213216.94013565	0.90334546	0.22255797	11598.95785039	0.22	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	406.455
Cd 214.439	Cd	n	1.03435770	1.03435770	mg/L	132509.10443923	0.00996072	0.96298612	1273.28544563	0.96	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	1.02419
Co 230.786	Co	n	0.50997668	0.50997668	mg/L	14719.95319383	0.00416663	0.81702456	119.67226961	0.81	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.50520
Cr 267.716	Cr	n	0.51852408	0.51852408	mg/L	25242.38242938	0.00546271	1.05351194	264.78379622	1.05	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.51234
Cu 324.754	Cu	n	0.57375111	0.57375111	mg/L	17141.98289461	0.00473597	0.82543928	137.29057371	0.80	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.56850
Fe 259.940	Fe	no	157.82419502	157.82419502	mg/L	7034190.28208623	1.50837855	0.95573340	67218.86461308	0.96	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	156.157
K 766.491	K-R	n	0.27978089	0.27978089	mg/L	159.65847479	0.03286086	11.74521119	46.10666645	28.88	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	0.30446
Li 670.783	Li-R	nu	-0.00856861	-0.00856861	mg/L	-815.07960921	0.00224659	26.21882399	227.20488200	27.88	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	-0.0059
Mg 279.800	Mg-R	no	414.55179492	414.55179492	mg/L	923619.51007053	0.53827160	0.12984423	1198.91465206	0.13	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	415.058
Mn 257.610	Mn	n	0.52246239	0.52246239	mg/L	163093.70850148	0.00467088	0.89401276	1450.97265734	0.89	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.51723
Mo 204.598	Mo	n	0.00381643	0.00381643	mg/L	48.09560870	0.00157410	41.24546313	8.13406020	16.91	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.00233
Na 589.592	Na-R	n	0.43552242	0.43552242	mg/L	4861.24648017	0.02571353	5.90406631	260.30283542	5.35	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	0.46231
Ni 231.604	Ni	n	1.00527846	1.00527846	mg/L	16800.80991913	0.00752534	0.74858306	124.87036766	0.74	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.99660
P 177.434	P	nu	-0.00236556	-0.00236556	mg/L	3.68136569	0.00556806	235.38041339	2.45862299	66.79		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	-0.0056
Pb 220.353	Pb	n	1.03777984	1.03777984	mg/L	5952.47212435	0.00300224	0.28929470	19.08224647	0.32	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	1.03446
S 181.972	S	n	0.11963964	0.11963964	mg/L	218.34757139	0.00548521	4.58477994	5.53985376	2.54		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	0.12339
Sb 206.834	Sb	n	0.01300027	0.01300027	mg/L	-20.20641266	0.00822181	63.24335736	16.04910665	79.43	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.00437
Se 196.026	Se	n	0.02404334	0.02404334	mg/L	98.42906086	0.00256002	10.64750442	5.21707722	5.30	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.02558
Si 251.611	Si	n	0.05714720	0.05714720	mg/L	115.83713074	0.00136031	2.38036286	8.46053063	7.30		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	0.05865
Sn 189.925	Sn	nu	-0.00338930	-0.00338930	mg/L	28.76896276	0.00051708	15.25612948	3.22772335	11.22	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	-0.0038
Sr 421.552	Sr-R	nu	-0.00127276	-0.00127276	mg/L	1071.60059777	0.00003946	3.09999799	16.65347882	1.55	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	-0.0012
Ti 334.941	Ti	n	0.00092091	0.00092091	mg/L	503.15761670	0.00030521	33.14251658	78.25483031	15.55	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.00070
Tl 190.794	Tl	n	0.00221313	0.00221313	mg/L	4.59385247	0.00138556	62.60616881	1.96736083	42.83	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.00062
V 292.401	V	n	0.54866919	0.54866919	mg/L	14502.60131695	0.00620808	1.13148051	166.46691416	1.15	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.54156
Zn 206.200	Zn	n	0.99089885	0.99089885	mg/L	34362.94062818	0.00772499	0.77959422	257.60772523	0.75	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.98215
Y 371.029	Y		0.90	0.90	Ratio	374289.53	0.01	0.61	2275.65	0.61		-	-	-	Fitted	-	-	0.90
Y 371.029	Y-R		0.94	0.94	Ratio	105778.73	0.00	0.22	228.16	0.22		-	-	-	Fitted	-	-	0.94

ENTHALPY CONTINUING CALIBRATION FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961145	File:	icp data	Time:	25-OCT-2023 21:53
Cal:	673429961001	Caldate:	25-OCT-2023		

Standards: S19239

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	4928.2	6309.5	1.000	0.9968	mg/L	0	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	414112	428068	3.37
Yttrium	R	112427	113188	0.68

Instrument ID: MET09

Label:	CCV,S19239	Rack:Tube:	S1:12	Type:	QC
Date Time:	10/25/2023 9:53:42 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	n	0.47979360	0.47979360	mg/L	28391.02797139	0.00274630	0.57239111	159.28224424	0.56		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	0.47662248
Al 396.152	Al	n	1.07222786	1.07222786	mg/L	29804.98067463	0.00800771	0.74682941	211.03007657	0.71	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	1.06298140
As 188.980	As	n	1.00998243	1.00998243	mg/L	3201.21446774	0.00814502	0.80645134	25.85355309	0.81	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	1.00261116
B 249.678	B	n	1.01300781	1.01300781	mg/L	30222.23806707	0.00945480	0.93333938	278.11762850	0.92	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	1.00209036
Ba 230.424	Ba	n	1.02590200	1.02590200	mg/L	68303.52452316	0.00867663	0.84575575	575.82420099	0.84	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	1.01642161
Be 313.107	Be	n	1.01027949	1.01027949	mg/L	1955827.11531990	0.00939124	0.92956838	18180.86548832	0.93	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.99943680
Ca 317.933	Ca-R	n	52.44643369	52.44643369	mg/L	674671.03600558	0.36523537	0.69639697	4689.62310155	0.70	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	52.43389292
Cd 214.439	Cd	n	1.00187682	1.00187682	mg/L	128097.23434810	0.00576988	0.57590743	737.56789964	0.58	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.99538898
Co 230.786	Co	n	0.99938916	0.99938916	mg/L	28767.91021424	0.00526468	0.52679009	151.20993522	0.53	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.99529999
Cr 267.716	Cr	n	0.96817116	0.96817116	mg/L	46981.12071825	0.00804626	0.83107867	390.01139227	0.83	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.95892302
Cu 324.754	Cu	n	1.01423996	1.01423996	mg/L	29868.19914700	0.00554339	0.54655628	160.69695881	0.54	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	1.00784136
Fe 259.940	Fe	n	1.01605224	1.01605224	mg/L	45599.95493641	0.00963633	0.94840865	429.42998995	0.94	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	1.00492517
K 766.491	K-R	n	62.33856160	62.33856160	mg/L	87567.42769877	0.43251331	0.69381342	606.85413758	0.69	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	62.03836791
Li 670.783	Li-R	n	1.00970428	1.00970428	mg/L	101933.41324611	0.00615716	0.60979852	622.69419366	0.61	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.4512282342 11	101133.317042958	1.00627265
Mg 279.800	Mg-R	n	52.05430117	52.05430117	mg/L	116040.91192085	0.29121175	0.55943840	648.62801295	0.56	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	52.00158538
Mn 257.610	Mn	n	1.00282450	1.00282450	mg/L	311947.33201588	0.00760099	0.75795848	2361.18944585	0.76	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.99404886
Mo 204.598	Mo	n	0.99915240	0.99915240	mg/L	5179.50719739	0.01179817	1.18081761	60.96614783	1.18	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.98584303
Na 589.592	Na-R	n	50.85501961	50.85501961	mg/L	516611.53068540	0.34313422	0.67473028	3473.61098451	0.67	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	50.64128102
Ni 231.604	Ni	n	0.96778469	0.96778469	mg/L	16142.80093415	0.00630477	0.65146389	104.61696366	0.65	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.96058472
P 177.434	P	nQ	6.43390009	6.43390009	mg/L	2843.84022912	0.03000367	0.46633713	13.24836014	0.47		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	6.40273932
Pb 220.353	Pb	n	0.99678560	0.99678560	mg/L	6309.54604198	0.00331905	0.33297533	21.09587838	0.33	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.99345117
S 181.972	S	n	5.48476767	5.48476767	mg/L	5635.22541166	0.01516808	0.27654926	15.31917776	0.27		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	5.46987035
Sb 206.834	Sb	n	0.98603570	0.98603570	mg/L	1891.20110706	0.01116761	1.13257620	21.79935584	1.15	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.97314092
Se 196.026	Se	n	0.99128550	0.99128550	mg/L	2082.85333353	0.01151256	1.16137685	23.46154598	1.13	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.97810568
Si 251.611	Si	n	5.41247230	5.41247230	mg/L	33742.07205712	0.15631722	2.88809284	972.22395697	2.88		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	5.25227405
Sn 189.925	Sn	n	5.03666620	5.03666620	mg/L	31464.10910309	0.03322454	0.65965349	207.39605022	0.66	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	4.99864073
Sr 421.552	Sr-R	n	1.04425842	1.04425842	mg/L	441002.24380413	0.00456971	0.43760346	1928.78800458	0.44	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	1.04350476
Ti 334.941	Ti	n	1.03029333	1.03029333	mg/L	264488.56713310	0.00922738	0.89560748	2365.85224185	0.89	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	1.02021244
Tl 190.794	Tl	nQ	1.24820047	1.24820047	mg/L	1766.13495645	0.03586802	2.87357826	50.92928699	2.88	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	1.20772614
V 292.401	V	n	1.02594989	1.02594989	mg/L	27521.56641158	0.00820911	0.80014764	220.12357403	0.80	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	1.01660473
Zn 206.200	Zn	n	1.00807849	1.00807849	mg/L	33662.08818001	0.00489730	0.48580506	163.31171277	0.49	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	1.00251595
Y 371.029	Y		1.03	1.03	Ratio	428067.78	0.01	0.99	4247.65	0.99		-	-	-	Fitted	-	-	1.02
Y 371.029	Y-R		1.01	1.01	Ratio	113188.28	0.01	0.66	742.85	0.66		-	-	-	Fitted	-	-	1.01

ENTHALPY INSTRUMENT BLANK FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961146	File:	icp data	Time:	25-OCT-2023 21:56
Cal:	673429961001	Caldate:	25-OCT-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	414112	444186	7.26
Yttrium	R	112427	117829	4.81

Instrument ID: MET09

Label: CCB | **Rack:Tube:** S1:1 | **Type:** QC
Date Time: 10/25/2023 9:56:49 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	Cor Rep
Ag 328.068	Ag	nu	-0.00050841	-0.00050841	mg/L	532.70785572	0.00028138	55.34425623	16.31953752	3.06		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	-0.00076288	-0.
Al 396.152	Al	nu	-0.00294351	-0.00294351	mg/L	1418.82224145	0.00091696	31.15189348	24.16495895	1.70	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	-0.00188503	-0.
As 188.980	As	nZ	0.00392925	0.00392925	mg/L	7.36166216	0.00163339	41.57014960	5.18464896	70.43	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.00212812	0.0
B 249.678	B	n	0.00083353	0.00083353	mg/L	455.98016255	0.00042845	51.40154524	12.60304247	2.76	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.00120423	0.0
Ba 230.424	Ba	n	0.00047519	0.00047519	mg/L	248.15470751	0.00012718	26.76378304	8.44029454	3.40	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.00035965	0.0
Be 313.107	Be	n	0.00005395	0.00005395	mg/L	89.81775475	0.00001643	30.45932958	31.81155507	35.42	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.00003846	0.0
Ca 317.933	Ca-R	nu	-0.00208690	-0.00208690	mg/L	1199.63903159	0.00163501	78.34669198	20.99359479	1.75	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	-0.00082668	-0.
Cd 214.439	Cd	nu	0.00001739	0.00001739	mg/L	26.91989451	0.00008432	484.81695045	10.77885420	40.04	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	-0.00004820	0.0
Co 230.786	Co	n	0.00100923	0.00100923	mg/L	92.74977362	0.00058507	57.97237185	16.80426232	18.12	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.00112877	0.0
Cr 267.716	Cr	nu	-0.00006802	-0.00006802	mg/L	43.72216511	0.00032369	475.85957550	15.68951763	35.88	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.00027570	-0.
Cu 324.754	Cu	nu	-0.00060987	-0.00060987	mg/L	443.62314204	0.00039895	65.41652936	11.56521263	2.61	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	-0.00105886	-0.
Fe 259.940	Fe	n	0.00176932	0.00176932	mg/L	318.79360141	0.00071764	40.56031890	31.98073306	10.03	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.00096259	0.0
K 766.491	K-R	nu	-0.00723391	-0.00723391	mg/L	109.91074907	0.04505159	622.78373926	63.21134189	57.51	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	-0.02199077	-0.
Li 670.783	Li-R	nZu	-0.00990332	-0.00990332	mg/L	-1213.00844797	0.00048757	4.92329667	49.30954483	4.07	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	-0.01039702	-0.
Mg 279.800	Mg-R	nu	-0.00104965	-0.00104965	mg/L	93.55711951	0.00340401	324.30020657	7.58190265	8.10	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	-0.00476069	-0.
Mn 257.610	Mn	nu	-0.00010139	-0.00010139	mg/L	359.21377419	0.00003264	32.19108230	10.13923557	2.82	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	-0.00006445	-0.
Mo 204.598	Mo	nZ	0.00371944	0.00371944	mg/L	35.82661304	0.00222431	59.80226101	11.49393708	32.08	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.00158866	0.0
Na 589.592	Na-R	nu	-0.10059921	-0.10059921	mg/L	811.26845162	0.00123186	1.22452472	12.47036887	1.54	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	-0.10119047	-0.
Ni 231.604	Ni	n	0.00073122	0.00073122	mg/L	94.00069192	0.00056726	77.57685238	9.41269380	10.01	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.00138284	0.0
P 177.434	P	nu	0.00118465	0.00118465	mg/L	2.83131366	0.00319741	269.90281700	1.41184100	49.87		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	0.00074296	0.0
Pb 220.353	Pb	nu	0.00014721	0.00014721	mg/L	-23.14490636	0.00041271	280.35673163	2.62316366	11.33	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	-0.00024115	0.0
S 181.972	S	nu	-0.01668294	-0.01668294	mg/L	79.75070808	0.00569437	34.13288498	5.75109261	7.21		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	-0.01854419	-0.
Sb 206.834	Sb	nu	0.00029885	0.00029885	mg/L	-32.48465681	0.00228791	765.57047029	4.46604142	13.75	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	-0.00100063	-0.
Se 196.026	Se	nu	0.00186648	0.00186648	mg/L	65.93110703	0.00220073	117.90827163	4.48489110	6.80	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	-0.00011960	0.0
Si 251.611	Si	n	0.00082569	0.00082569	mg/L	103.70229746	0.00118836	143.92430636	7.39108335	7.13		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	0.00003758	0.0
Sn 189.925	Sn	n	0.00135949	0.00135949	mg/L	30.83153910	0.00044178	32.49586804	2.75768295	8.94	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.00165102	0.0
Sr 421.552	Sr-R	nu	-0.00004944	-0.00004944	mg/L	18.86901566	0.00003114	62.98819209	13.14357975	69.66	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	-0.00003724	-0.
Ti 334.941	Ti	n	0.00118629	0.00118629	mg/L	631.95568764	0.00039627	33.40370330	101.60056476	16.08	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.00106843	0.0
Tl 190.794	Tl	n	0.00875410	0.00875410	mg/L	5.93699684	0.00335573	38.33321678	4.76482781	80.26	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.00883525	0.0
V 292.401	V	n	0.00036289	0.00036289	mg/L	29.77849070	0.00034215	94.28488535	9.17462413	30.81	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.00068658	0.0
Zn 206.200	Zn	n	0.00323400	0.00323400	mg/L	137.36444389	0.00034895	10.79006381	11.63655796	8.47	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.00286619	0.0
Y 371.029	Y		1.07	1.07	Ratio	444185.66	0.01	0.87	3861.07	0.87		-	-	-	Fitted	-	-	1.06	1.0
Y 371.029	Y-R		1.05	1.05	Ratio	117829.42	0.01	0.74	873.60	0.74		-	-	-	Fitted	-	-	1.04	1.0

ENTHALPY CONTINUING CALIBRATION FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961157	File:	icp data	Time:	25-OCT-2023 22:31
Cal:	673429961001	Caldate:	25-OCT-2023		

Standards: S19239

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	4928.2	6261.0	1.000	0.9892	mg/L	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	414112	429786	3.78
Yttrium	R	112427	114172	1.55

Instrument ID: MET09

Label:	CCV,S19239	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	10/25/2023 10:31:15 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	n	0.47734847	0.47734847	mg/L	28249.20642291	0.00344550	0.72180044	199.83553395	0.71		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	0.47337063
Al 396.152	Al	n	1.06541482	1.06541482	mg/L	29625.01202018	0.01086820	1.02009128	286.41359196	0.97	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	1.05295590
As 188.980	As	n	1.00723138	1.00723138	mg/L	3192.47717163	0.00855910	0.84976465	27.16790585	0.85	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.99805591
B 249.678	B	n	1.00726425	1.00726425	mg/L	30053.35131861	0.01070819	1.06309629	314.98665484	1.05	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.99562963
Ba 230.424	Ba	n	1.01791456	1.01791456	mg/L	67773.41263498	0.00719737	0.70707017	477.65345271	0.70	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	1.01199410
Be 313.107	Be	n	1.00548478	1.00548478	mg/L	1946544.83100019	0.00846775	0.84215559	16393.04059672	0.84	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.99573640
Ca 317.933	Ca-R	n	51.97216475	51.97216475	mg/L	668581.11517679	0.05629711	0.10832165	722.85501093	0.11	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	51.91882136
Cd 214.439	Cd	n	0.99252811	0.99252811	mg/L	126902.15579628	0.00646067	0.65093099	825.87203682	0.65	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.98694779
Co 230.786	Co	n	0.98833112	0.98833112	mg/L	28450.30500790	0.00345476	0.34955485	99.22609340	0.35	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.98910822
Cr 267.716	Cr	n	0.96296146	0.96296146	mg/L	46728.55227130	0.00863985	0.89721663	418.78318562	0.90	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.95304644
Cu 324.754	Cu	n	1.00781958	1.00781958	mg/L	29682.03590233	0.00611331	0.60658775	177.21826378	0.60	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	1.00076426
Fe 259.940	Fe	n	1.00459646	1.00459646	mg/L	45088.69045349	0.00939118	0.93482136	418.50543088	0.93	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.99396255
K 766.491	K-R	n	61.90018392	61.90018392	mg/L	86952.51443019	0.15034462	0.24288235	210.94670052	0.24	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	61.72658531
Li 670.783	Li-R	n	1.00375021	1.00375021	mg/L	101331.00447339	0.00158255	0.15766383	160.04863064	0.16	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.4512282342 11	101133.317042958	1.00214177
Mg 279.800	Mg-R	n	51.61853895	51.61853895	mg/L	115070.29580377	0.03735445	0.07236635	83.20111980	0.07	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	51.57790383
Mn 257.610	Mn	n	0.99860276	0.99860276	mg/L	310635.54581931	0.00828747	0.82990685	2574.43891538	0.83	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.98907632
Mo 204.598	Mo	n	0.99046276	0.99046276	mg/L	5134.60555404	0.01385208	1.39854593	71.57957021	1.39	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.97510570
Na 589.592	Na-R	n	50.46310394	50.46310394	mg/L	512644.36010887	0.17230334	0.34144420	1744.25854862	0.34	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	50.31254719
Ni 231.604	Ni	n	0.96376688	0.96376688	mg/L	16076.11291813	0.00689130	0.71503850	114.34954494	0.71	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.95581173
P 177.434	P	nQ	6.41311312	6.41311312	mg/L	2834.65695500	0.02085129	0.32513529	9.20705678	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	6.38976329
Pb 220.353	Pb	n	0.98915299	0.98915299	mg/L	6261.03679687	0.00397160	0.40151511	25.24347620	0.40	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.98576490
S 181.972	S	n	5.46747978	5.46747978	mg/L	5617.77493012	0.01322681	0.24191781	13.35856301	0.24		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	5.45692840
Sb 206.834	Sb	n	0.98336389	0.98336389	mg/L	1885.98858706	0.00909772	0.92516287	17.75889930	0.94	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.97323722
Se 196.026	Se	n	0.98943118	0.98943118	mg/L	2079.07012317	0.00664047	0.67114036	13.53267525	0.65	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.98190862
Si 251.611	Si	n	5.38226502	5.38226502	mg/L	33554.36300248	0.14861065	2.76111729	924.29247398	2.75		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	5.21578538
Sn 189.925	Sn	n	5.01047635	5.01047635	mg/L	31300.61095764	0.04011558	0.80063410	250.41166183	0.80	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	4.96480316
Sr 421.552	Sr-R	n	1.03528847	1.03528847	mg/L	437214.65588653	0.00065808	0.06356527	277.76471376	0.06	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	1.03583760
Ti 334.941	Ti	n	1.01911230	1.01911230	mg/L	261621.81182946	0.01614323	1.58404806	4139.03799536	1.58	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	1.00057545
Tl 190.794	Tl	nQ	1.23072630	1.23072630	mg/L	1741.32088801	0.03440808	2.79575411	48.85631146	2.81	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	1.19822292
V 292.401	V	n	1.01832593	1.01832593	mg/L	27317.21093365	0.00962421	0.94510118	258.06873118	0.94	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	1.00743014
Zn 206.200	Zn	n	0.99586228	0.99586228	mg/L	33254.52474166	0.00797481	0.80079433	265.93850408	0.80	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.98741818
Y 371.029	Y		1.04	1.04	Ratio	429785.94	0.01	0.90	3864.91	0.90		-	-	-	Fitted	-	-	1.03
Y 371.029	Y-R		1.02	1.02	Ratio	114171.77	0.01	0.87	995.99	0.87		-	-	-	Fitted	-	-	1.02

ENTHALPY INSTRUMENT BLANK FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961158	File:	icp data	Time:	25-OCT-2023 22:34
Cal:	673429961001	Caldate:	25-OCT-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	414112	447307	8.02
Yttrium	R	112427	118990	5.84

Instrument ID: MET09

Label: CCB | Rack:Tube: S1:1 | Type: QC

Date Time: 10/25/2023 10:34:22 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	Cor Rep
Ag 328.068	Ag	nu	-0.00043595	-0.00043595	mg/L	536.91126838	0.00022625	51.89817254	13.12226924	2.44		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	-0.00021749	-0.
Al 396.152	Al	nZu	-0.00820096	-0.00820096	mg/L	1280.27264758	0.00012671	1.54507532	3.33926057	0.26	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	-0.00827139	-0.
As 188.980	As	n	0.00298611	0.00298611	mg/L	4.36798134	0.00075251	25.20038899	2.38858447	54.68	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.00310593	0.0
B 249.678	B	nu	0.00014091	0.00014091	mg/L	435.60628320	0.00052144	370.03651726	15.33830566	3.52	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.00070855	0.0
Ba 230.424	Ba	n	0.00052896	0.00052896	mg/L	251.72331820	0.00032734	61.88384844	21.72390949	8.63	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.00058584	0.0
Be 313.107	Be	n	0.00006647	0.00006647	mg/L	114.06665407	0.00000679	10.22151563	13.15389951	11.53	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.00006528	0.0
Ca 317.933	Ca-R	nu	-0.00362398	-0.00362398	mg/L	1179.90514845	0.00138876	38.32124676	17.83162261	1.51	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	-0.00329723	-0.
Cd 214.439	Cd	nu	-0.00001594	-0.00001594	mg/L	22.65799823	0.00003233	202.82094996	4.13265335	18.24	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	-0.00004394	0.0
Co 230.786	Co	n	0.00093384	0.00093384	mg/L	90.58443511	0.00073183	78.36754435	21.01922161	23.20	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.00015747	0.0
Cr 267.716	Cr	nu	-0.00022668	-0.00022668	mg/L	36.03206851	0.00016766	73.96187652	8.12662175	22.55	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	-0.00032103	-0.
Cu 324.754	Cu	nu	-0.00064831	-0.00064831	mg/L	442.50965828	0.00026873	41.45076637	7.79011777	1.76	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	-0.00095807	-0.
Fe 259.940	Fe	n	0.00089657	0.00089657	mg/L	279.90751931	0.00034138	38.07637071	15.21326874	5.44	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.00050413	0.0
K 766.491	K-R	nu	-0.00832424	-0.00832424	mg/L	108.37863824	0.02311166	277.64304894	32.42769130	29.92	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	-0.03096670	0.0
Li 670.783	Li-R	nZu	-0.01036647	-0.01036647	mg/L	-1259.84840849	0.00059878	5.77611659	60.55656975	4.81	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	-0.01015062	-0.
Mg 279.800	Mg-R	nu	-0.00439405	-0.00439405	mg/L	86.10758126	0.00396882	90.32271742	8.83992470	10.27	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	-0.00558755	0.0
Mn 257.610	Mn	nu	-0.00010975	-0.00010975	mg/L	356.61765528	0.00000851	7.75766309	2.64481941	0.74	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	-0.00010294	-0.
Mo 204.598	Mo	nZ	0.00428781	0.00428781	mg/L	38.76380951	0.00392195	91.46739121	20.26638061	52.28	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.00073695	0.0
Na 589.592	Na-R	nu	-0.10396626	-0.10396626	mg/L	777.17280089	0.00626258	6.02366346	63.39722657	8.16	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	-0.09684217	-0.
Ni 231.604	Ni	nu	-0.00016001	-0.00016001	mg/L	79.21233582	0.00025127	157.03236870	4.16943116	5.26	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	-0.00044108	-0.
P 177.434	P	nu	0.00227564	0.00227564	mg/L	3.31303136	0.00445893	195.94150862	1.96887566	59.43		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	0.00742428	-0.
Pb 220.353	Pb	nu	0.00058359	0.00058359	mg/L	-20.38125886	0.00073831	126.51203304	4.69268347	23.02	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.00134690	-0.
S 181.972	S	nu	-0.02225961	-0.02225961	mg/L	74.11887763	0.00122692	5.51187362	1.23914304	1.67		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	-0.02130990	-0.
Sb 206.834	Sb	nu	0.00013594	0.00013594	mg/L	-32.80312413	0.00140335	1032.33375900	2.73936372	8.35	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	-0.00146985	0.0
Se 196.026	Se	nu	-0.00604967	-0.00604967	mg/L	49.79903101	0.00175915	29.07845438	3.58498965	7.20	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	-0.00538516	-0.
Si 251.611	Si	nu	0.00107173	0.00107173	mg/L	105.23117480	0.00134528	125.52418841	8.36705871	7.95		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	0.00210275	0.0
Sn 189.925	Sn	n	0.00118161	0.00118161	mg/L	29.72134789	0.00098354	83.23693291	6.13948811	20.66	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.00018966	0.0
Sr 421.552	Sr-R	nu	-0.00002199	-0.00002199	mg/L	30.45869327	0.00003937	179.00453983	16.61681603	54.56	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	0.00000507	-0.
Ti 334.941	Ti	n	0.00141552	0.00141552	mg/L	690.72786236	0.00036363	25.68886522	93.23321140	13.50	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.00102181	0.0
Tl 190.794	Tl	n	0.00839502	0.00839502	mg/L	5.42722308	0.00138633	16.51374613	1.96846386	36.27	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.00689270	0.0
V 292.401	V	nu	0.00016722	0.00016722	mg/L	24.53205959	0.00033696	201.50899637	9.03540838	36.83	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	-0.00012481	0.0
Zn 206.200	Zn	n	0.00189414	0.00189414	mg/L	92.68017955	0.00014765	7.79522789	4.92380726	5.31	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.00178681	0.0
Y 371.029	Y		1.08	1.08	Ratio	447306.83	0.01	1.11	4976.44	1.11		-	-	-	Fitted	-	-	1.07	1.0
Y 371.029	Y-R		1.06	1.06	Ratio	118990.16	0.01	0.91	1080.54	0.91		-	-	-	Fitted	-	-	1.06	1.0

ENTHALPY CONTINUING CALIBRATION FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961169	File:	icp data	Time:	25-OCT-2023 23:08
Cal:	673429961001	Caldate:	25-OCT-2023		

Standards: S19239

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	4928.2	6225.5	1.000	0.9836	mg/L	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	414112	430968	4.07
Yttrium	R	112427	113856	1.27

Instrument ID: MET09

Label:	CCV,S19239	Rack:Tube:	S1:12	Type:	QC
Date Time:	10/25/2023 11:08:47 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	n	0.47404799	0.47404799	mg/L	28057.76962763	0.00602471	1.27090705	349.42674228	1.25		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	0.46716173
Al 396.152	Al	n	1.05833126	1.05833126	mg/L	29438.19131846	0.01596236	1.50825760	420.66172705	1.43	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	1.04066185
As 188.980	As	n	0.99663745	0.99663745	mg/L	3158.85051526	0.00892081	0.89509115	28.31605293	0.90	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.98653699
B 249.678	B	n	1.00963783	1.00963783	mg/L	30123.19117003	0.00803741	0.79606814	236.42423371	0.78	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	1.00051803
Ba 230.424	Ba	n	1.01774646	1.01774646	mg/L	67762.25397109	0.01336358	1.31305575	886.87383747	1.31	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	1.00245962
Be 313.107	Be	n	0.99561521	0.99561521	mg/L	1927437.94016593	0.01288095	1.29376812	24936.73798590	1.29	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.98192467
Ca 317.933	Ca-R	n	51.89653737	51.89653737	mg/L	667610.09579215	0.10736323	0.20687937	1378.54413990	0.21	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	51.79842118
Cd 214.439	Cd	n	0.99127018	0.99127018	mg/L	126741.34906831	0.01069071	1.07848579	1366.60015310	1.08	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.97910722
Co 230.786	Co	n	0.98877652	0.98877652	mg/L	28463.09655488	0.01086702	1.09903678	312.11774754	1.10	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.97651568
Cr 267.716	Cr	n	0.96376160	0.96376160	mg/L	46767.32500320	0.01405541	1.45839123	681.28162610	1.46	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.94800843
Cu 324.754	Cu	n	1.00003968	1.00003968	mg/L	29456.49961865	0.01200145	1.20009781	347.90920897	1.18	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	0.98641462
Fe 259.940	Fe	n	1.00403781	1.00403781	mg/L	45063.85754838	0.01454761	1.44891081	648.29480777	1.44	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.98800464
K 766.491	K-R	n	61.85522175	61.85522175	mg/L	86889.44686598	0.40219053	0.65021273	564.30861579	0.65	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	61.39292394
Li 670.783	Li-R	n	1.00091302	1.00091302	mg/L	101044.00279126	0.00519041	0.51856785	524.92369415	0.52	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.4512282342 11	101133.317042958	0.99666443
Mg 279.800	Mg-R	n	51.66598733	51.66598733	mg/L	115175.97190968	0.16251160	0.31454272	361.96883494	0.31	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	51.60021032
Mn 257.610	Mn	n	1.00176383	1.00176383	mg/L	311617.48187119	0.01352496	1.35011440	4201.42292872	1.35	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	0.98650003
Mo 204.598	Mo	n	0.98285326	0.98285326	mg/L	5095.28407990	0.01787109	1.81828634	92.34750323	1.81	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.96342984
Na 589.592	Na-R	n	50.52276404	50.52276404	mg/L	513248.42568089	0.22955746	0.45436441	2323.85254278	0.45	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	50.34736292
Ni 231.604	Ni	n	0.96211049	0.96211049	mg/L	16048.62489579	0.01184258	1.23089606	196.50759778	1.22	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.94859550
P 177.434	P	nQ	6.71677305	6.71677305	mg/L	2968.73812625	0.05322415	0.79240649	23.50155032	0.79		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	6.65543393
Pb 220.353	Pb	n	0.98355892	0.98355892	mg/L	6225.48524621	0.01087624	1.10580448	69.12935790	1.11	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	0.97146496
S 181.972	S	n	5.45306852	5.45306852	mg/L	5603.21612378	0.03525751	0.64656267	35.60871533	0.64		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	5.41246821
Sb 206.834	Sb	n	0.97576134	0.97576134	mg/L	1871.14950855	0.01441938	1.47775642	28.14686666	1.50	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.96030216
Se 196.026	Se	n	0.97827437	0.97827437	mg/L	2056.33489865	0.01224129	1.25131436	24.94662556	1.21	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.96422784
Si 251.611	Si	n	5.42493232	5.42493232	mg/L	33819.77983284	0.15753141	2.90384100	979.77564565	2.90		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	5.26089691
Sn 189.925	Sn	n	4.98189377	4.98189377	mg/L	31122.18982011	0.06979172	1.40090746	435.65766405	1.40	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	4.90290669
Sr 421.552	Sr-R	n	1.03222741	1.03222741	mg/L	435921.82533701	0.00502567	0.48687606	2121.23884153	0.49	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	1.03090661
Ti 334.941	Ti	n	1.01256336	1.01256336	mg/L	259942.71736400	0.01523652	1.50474702	3906.56194400	1.50	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.99592470
Tl 190.794	Tl	nQ	1.22977208	1.22977208	mg/L	1739.96521320	0.04460130	3.62679414	63.32974798	3.64	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	1.18133616
V 292.401	V	n	1.01393511	1.01393511	mg/L	27199.50285683	0.01558457	1.53703783	417.89290606	1.54	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	0.99673241
Zn 206.200	Zn	n	0.99187220	0.99187220	mg/L	33121.44267123	0.01002537	1.01075238	334.31929093	1.01	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.98029608
Y 371.029	Y		1.04	1.04	Ratio	430967.98	0.01	0.91	3927.01	0.91		-	-	-	Fitted	-	-	1.03
Y 371.029	Y-R		1.01	1.01	Ratio	113856.25	0.01	1.43	1628.39	1.43		-	-	-	Fitted	-	-	1.03

ENTHALPY INSTRUMENT BLANK FOR 494548 METALS Wipe

EPA 6010B

Inst:	MET09			IDF:	1.0
Seqnum:	673429961170	File:	icp data	Time:	25-OCT-2023 23:11
Cal:	673429961001	Caldate:	25-OCT-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	414112	449642	8.58
Yttrium	R	112427	117459	4.48

Instrument ID: MET09

Label: CCB | Rack:Tube: S1:1 | Type: QC

Date Time: 10/25/2023 11:11:54 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	nu	-0.00055339	-0.00055339	mg/L	530.09901950	0.00026521	47.92425278	15.38165631	2.90		Y (371.029 nm)	Linear	1.00000	Fitted	562.195543078436	57998.9373814972	-0.00077775
Al 396.152	Al	nu	-0.00063938	-0.00063938	mg/L	1479.54560599	0.00169515	265.12476692	44.67285834	3.02	20.52719949	Y (371.029 nm)	Linear	0.99979	Fitted	1496.39884382281	26353.3514615081	-0.00125750
As 188.980	As	n	0.00247116	0.00247116	mg/L	2.73342009	0.00022932	9.27968806	0.72788581	26.63	45.73708810	Y (371.029 nm)	Linear	0.99996	Fitted	-5.11090504300967	3174.15589099673	0.00221109
B 249.678	B	n	0.00065633	0.00065633	mg/L	450.76792274	0.00050392	76.77899694	14.82317517	3.29	19.09797723	Y (371.029 nm)	Linear	0.99997	Fitted	431.463294563627	29415.4931222363	0.00086073
Ba 230.424	Ba	n	0.00047616	0.00047616	mg/L	248.21857465	0.00028841	60.57027679	19.14025310	7.71	7.04755372	Y (371.029 nm)	Linear	1.00000	Fitted	216.618280140339	66364.9968334625	0.00074952
Be 313.107	Be	n	0.00007627	0.00007627	mg/L	133.03624950	0.00001426	18.69700715	27.60760579	20.75	2.48451200	Y (371.029 nm)	Linear	1.00000	Fitted	-14.6221949744963	1935939.02051761	0.00008474
Ca 317.933	Ca-R	nu	-0.00142029	-0.00142029	mg/L	1208.20261915	0.00068700	48.37037516	8.82107684	0.73	9.72982508	Y-R (371.029 nm)	Linear	0.99999	Fitted	1226.43664777731	12840.0024312492	-0.00091204
Cd 214.439	Cd	nu	0.00002725	0.00002725	mg/L	28.17842239	0.00007263	266.52974393	9.28435320	32.95	2.59196835	Y (371.029 nm)	Linear	0.99997	Fitted	24.6872857110541	127830.649489545	0.00010238
Co 230.786	Co	n	0.00060989	0.00060989	mg/L	81.28004550	0.00033769	55.36876300	9.69895268	11.93	16.03126658	Y (371.029 nm)	Linear	0.99999	Fitted	63.7628820232405	28721.5646274397	0.00076327
Cr 267.716	Cr	nu	0.00004028	0.00004028	mg/L	48.97206014	0.00020585	511.01721550	9.97770450	20.37	0.90418317	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.0197780402429	48471.1152695027	0.00026166
Cu 324.754	Cu	nu	-0.00104265	-0.00104265	mg/L	431.07763932	0.00038039	36.48334342	11.02720739	2.56	17.61006860	Y (371.029 nm)	Linear	0.99983	Fitted	461.30403005838	28988.9208316643	-0.00135181
Fe 259.940	Fe	n	0.00067214	0.00067214	mg/L	269.91013563	0.00056428	83.95335568	25.14647856	9.32	26.19303042	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	239.956392837422	44563.6571494998	0.00003515
K 766.491	K-R	nu	-0.00715649	-0.00715649	mg/L	110.01878960	0.04178956	583.93899210	58.63442227	53.29	26.89499144	Y-R (371.029 nm)	Linear	0.99990	Fitted	120.061724694882	1403.08778236184	0.02822555
Li 670.783	Li-R	nZu	-0.01079191	-0.01079191	mg/L	-1302.87333905	0.00096575	8.94885340	97.66972990	7.50	12.34337374	Y-R (371.029 nm)	Linear	0.99997	FACT	-211.451228234211	101133.317042958	-0.00970230
Mg 279.800	Mg-R	nu	-0.00288359	-0.00288359	mg/L	89.47130217	0.00479416	166.25700569	10.67823854	11.93	7.24372060	Y-R (371.029 nm)	Linear	0.99997	Fitted	95.8896456156814	2227.3414736665	0.00264116
Mn 257.610	Mn	nu	-0.00013872	-0.00013872	mg/L	347.62002754	0.00005293	38.15282854	16.44136875	4.73	1.68758446	Y (371.029 nm)	Linear	1.00000	Fitted	390.708059932478	310642.221300366	-0.00012908
Mo 204.598	Mo	nZ	0.00470783	0.00470783	mg/L	40.93401071	0.00148841	31.61563923	7.69125778	18.79	16.04260455	Y (371.029 nm)	Linear	1.00000	Fitted	16.6066113019555	5167.42520088665	0.00313926
Na 589.592	Na-R	nu	-0.10154860	-0.10154860	mg/L	801.66325963	0.00634606	6.24927970	64.24229576	8.01	4.64319070	Y-R (371.029 nm)	Linear	0.99997	Fitted	1829.66422552297	10123.1845401747	-0.09423298
Ni 231.604	Ni	n	0.00048412	0.00048412	mg/L	89.90059310	0.00030678	63.36859882	5.09054802	5.66	4.07607274	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	81.8670775823941	16593.309636788	0.00013178
P 177.434	P	nu	0.00238541	0.00238541	mg/L	3.36153370	0.00340700	142.82668161	1.50438903	44.75		Y (371.029 nm)	Linear	1.00000	Fitted	2.30830177008872	441.558059548651	0.00503715
Pb 220.353	Pb	nu	-0.00093673	-0.00093673	mg/L	-30.03166825	0.00207925	221.96879306	13.21570851	44.01	15.09492675	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.0815191593249	6355.99865772768	-0.00333737
S 181.972	S	nu	-0.01833317	-0.01833317	mg/L	78.08383909	0.00219746	11.98623953	2.21934735	2.84		Y (371.029 nm)	Linear	1.00000	Fitted	96.600414386407	1009.96127361069	-0.02084877
Sb 206.834	Sb	n	0.00492386	0.00492386	mg/L	-23.45658043	0.00293822	59.67316462	5.73545800	24.45	9.98274714	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	-33.0686713744858	1952.0169872767	0.00513557
Se 196.026	Se	nu	0.00003902	0.00003902	mg/L	62.20715423	0.00182569	4679.31158171	3.72059218	5.98	12.20331294	Y (371.029 nm)	Linear	0.99999	Fitted	62.1285096907499	2037.9086256856	0.00132264
Si 251.611	Si	nu	0.00145578	0.00145578	mg/L	107.62128162	0.00133299	91.56504997	8.29059186	7.70		Y (371.029 nm)	Linear	1.00000	Fitted	98.5686820051894	6219.55743459118	0.00199836
Sn 189.925	Sn	n	0.00152893	0.00152893	mg/L	31.88929171	0.00117284	76.70979107	7.32114257	22.96	5.57444137	Y (371.029 nm)	Linear	1.00000	Fitted	22.3451617034985	6242.25418102859	0.00052858
Sr 421.552	Sr-R	nu	-0.00001276	-0.00001276	mg/L	34.34928194	0.00003118	244.26684527	13.15978065	38.31	1.89471915	Y-R (371.029 nm)	Linear	0.99998	Fitted	39.7639592424675	422080.962818848	0.00001593
Ti 334.941	Ti	n	0.00121663	0.00121663	mg/L	639.73443981	0.00030237	24.85308623	77.52613217	12.12	7.26442498	Y (371.029 nm)	Linear	0.99997	Fitted	327.796175446148	256394.683384752	0.00105357
Tl 190.794	Tl	n	0.00415858	0.00415858	mg/L	-0.58824514	0.00184097	44.26934157	2.61401403	> 100.00	31.24550412	Y (371.029 nm)	Linear	0.99996	Fitted	-6.49299367734821	1419.90805887074	0.00300230
V 292.401	V	nu	-0.00020705	-0.00020705	mg/L	14.49664081	0.00039318	189.89579394	10.54303027	72.73	15.71475094	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	20.0528148753911	26814.5356053585	-0.00023426
Zn 206.200	Zn	n	0.00127497	0.00127497	mg/L	72.02921526	0.00010252	8.04109869	3.41881042	4.75	3.34576039	Y (371.029 nm)	Linear	0.99992	Fitted	29.4779096672175	33347.3208402383	0.00117749
Y 371.029	Y		1.09	1.09	Ratio	449642.04	0.01	1.10	4934.54	1.10		-	-	-	Fitted	-	-	1.07
Y 371.029	Y-R		1.04	1.04	Ratio	117459.39	0.01	0.87	1016.96	0.87		-	-	-	Fitted	-	-	1.04

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
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enthalpy.com

Lab Job Number:	492059
Report Level:	IV
Report Date:	09/20/2023

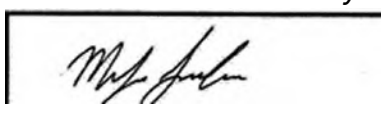
PCBs

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:



Miguel Gamboa, Project Coordinator
miguel.gamboa@enthalpy.com

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	492059
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/12/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C8W-LAT-L3-EXT-1 TO 2-230911-P-WF	492059-001	09/11/23 09:15	Wipe
ARCH-C8W-LAT-L3-UP-C8.1-DG-230911-P-LA	492059-003	09/11/23 09:25	Wipe
ARCH-C9W-LAT-L3-EXT-1 TO 2-230911-P-WF	492059-005	09/11/23 09:35	Wipe
ARCH-C9W-LAT-L3-UP-C9.4-VS-230911-P-LA	492059-008	09/11/23 10:00	Wipe
ARCH-C9W-MED-L3-UP-C9.7-DG-230911-P-LA	492059-010	09/11/23 10:10	Wipe
ARCH-C9W-MED-L3-UP-C9.7-DG-230911-P-DUP-LA	492059-011	09/11/23 10:10	Wipe
ARCH-C8W-LAT-L3-UP-C8.6-HS-230911-P-LA	492059-013	09/11/23 10:30	Wipe
ARCH-C8W-MED-L3-UP-C8.4-DG-230911-P-LA	492059-015	09/11/23 10:20	Wipe
ARCH-C8W-MED-L3-UP-C8.4-DG-230911-P-DUP-LA	492059-016	09/11/23 10:20	Wipe
ARCH-C9W-LAT-L3-UP-C9.1-HS-230911-P-LA	492059-018	09/11/23 10:40	Wipe
ARCH-C11W-LAT-L3-EXT-0 TO 1-230911-P-WF	492059-020	09/11/23 10:50	Wipe
ARCH-C8W-MED-L3-DN-C8.7-DG-230911-P-LA	492059-023	09/11/23 13:20	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 492059 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 09/12/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 09/13/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

492059

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
1	AFRAME-C8W-LAT-L3-EXT-1 TO 2-230911-P-WF	9/11/2023	0915	WP	1	–	X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation**
2	AFRAME-C8W-LAT-L3-EXT-1 TO 2-230911-L-WF	9/11/2023	0915	WP	1	–		X		Report PCB concentrations on a µg/100cm2 basis
3	AFRAME-C8W-LAT-L3-UP-C8.1-DG-230911-P-LA	9/11/2023	0925	WP	1	–	X			Report lead concentrations on a µg/ft2 basis
4	AFRAME-C8W-LAT-L3-UP-C8.1-DG-230911-L-LA	9/11/2023	0925	WP	1	–		X		Report Aroclor 1268 concentrations in addition to the standard Aroclors
5	AFRAME-C9W-~~MED~~LAT-L3-EXT-1 TO 2-230911-P-WF	9/11/2023	0935	WP	1	–	X			Wipe samples collected from Zone 5 Enclosure C/D (High Occupancy)
6	AFRAME-C9W-~~MED~~LAT-L3-EXT-1 TO 2-230911-L-WF	9/11/2023	0935	WP	1	–		X		
7	AFRAME-C9W-~~MED~~LAT-L3-EXT-1 TO 2-230911-L-DUP-WF	9/11/2023	0935	WP	1	–		X		
8	AFRAME-C9W-LAT-L3-UP-C9.4-VS-230911-P-LA	9/11/2023	1000	WP	1	–	X			
9	AFRAME-C9W-LAT-L3-UP-C9.4-VS-230911-L-LA	9/11/2023	1000	WP	1	–		X		
10	AFRAME-C9W-MED-L3-UP-C9.7-DG-230911-P-LA	9/11/2023	1010	WP	1	–	X			
11	AFRAME-C9W-MED-L3-UP-C9.7-DG-230911-P-DUP-LA	9/11/2023	1010	WP	1	–	X			
12	AFRAME-C9W-MED-L3-UP-C9.7-DG-230911-L-LA	9/11/2023	1010	WP	1	–		X		
13	AFRAME-C8W-LAT-L3-UP-C8.6-HS-230911-P-LA	9/11/2023	1020	WP	1	–	X			
14	AFRAME-C8W-LAT-L3-UP-C8.6-HS-230911-L-LA	9/11/2023	1030	WP	1	–		X		
15	AFRAME-C8W-MED-L3-UP-C8.4-DG-230911-P-LA	9/11/2023	1020	WP	1	–	X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/12/23 / 1400
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/12/23 14:00
[2] Relinquished By:	Audrey Hudson	"	"	9/12/23 17:12
[2] Received By:		JSP	Enthalpy	9/12/23 17:12
[3] Relinquished By:			FEDEX	9/12/23 18:21
[3] Received By:				9/13/23 1038

492055

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

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

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

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	D.Welsh, 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
16	AFRAME-C8W-MED-L3-UP-C8.4-DG-230911-P-DUP-LA	9/11/2023	1020	WP	1	--	X		
17	AFRAME-C8W-MED-L3-UP-C8.4-DG-230911-L-LA	9/11/2023	1020	WP	1	--		X	
18	AFRAME-C9W-LAT-L3-UP-C9.1-HS-230911-P-LA	9/11/2023	1040	WP	1	--	X		
19	AFRAME-C9W-LAT-L3-UP-C9.1-HS-230911-L-LA	9/11/2023	1040	WP	1	--		X	
20	AFRAME-~~C10W~~ C11W-LAT-L3-EXT-0 TO 1-230911-P-WF	9/11/2023	1050	WP	1	--	X		
21	AFRAME-~~C10W~~ C11W-LAT-L3-EXT-0 TO 1-230911-L-WF	9/11/2023	1050	WP	1	--		X	
22	AFRAME-~~C10W~~ C11W-LAT-L3-EXT-0 TO 1-230911-L-DUP-WF	9/11/2023	1050	WP	1	--		X	
23	AFRAME-C8W-MED-L3-DN-C8.7-DG-230911-P-LA	9/11/2023	1320	WP	1	--	X		
24	AFRAME-C8W-MED-L3-DN-C8.7-DG-230911-L-LA	9/11/2023	1320	WP	1	--		X	
25									
26									
27									
28									
29									
30									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 5 Enclosure C/D (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TS Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/12/23 / 1400
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/12/23 14:00
2 Relinquished By:	Audrey Hudson	"	"	9/12/23 17:12
2 Received By:		JSP	Enthalpy	9.12.23 17:12
3 Relinquished By:		Lindsay Parker	EA	9/12/23 18:21
3 Received By:		FASedlak	EA	9/13/23 1038

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

SAMPLE RECEIPT CHECKLIST

ENTHALPY

Section 1: General Info

Date Received: 9/12/23 Login # 492059 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

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

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

Date Opened 9.12.23 By (print) JJP (sign) [signature]

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

If no cooler: Sample Temp (°C): _____

How many coolers? 2 Temp (°C): #1: 5.3 #2: 3.2 #3: _____ #4: _____ #5: _____ #6: _____

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

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

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

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

Preservative added:

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

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

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

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

Section 6: Explanations / Comments No custody seals found.

Date Logged 9.12.23 **By (print)** JP for MY **(sign)** [signature]

Date Labeled 9.12.23 **By (print)** JJP **(sign)** [signature]

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

ENTHALPY ANALYTICAL

492059

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 09/13/23 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: 4.3 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

Section 3

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

Cooler Temp (°C): #1: 4.1 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: [signature] Date: SEP 13 2023

SOUTHWEST AIRLINES

Printed on:
12 SEP 19:50

526 OAK 9311 2106

SNA

PC# 4 OF 7 | DG G | LOT WT 240 LB (108.8 KG)

OAK WN 2648 13 SEP 07:25

STN FLT DATE ETD LOT 01

PC ID: 0004
PC WT: 34LB

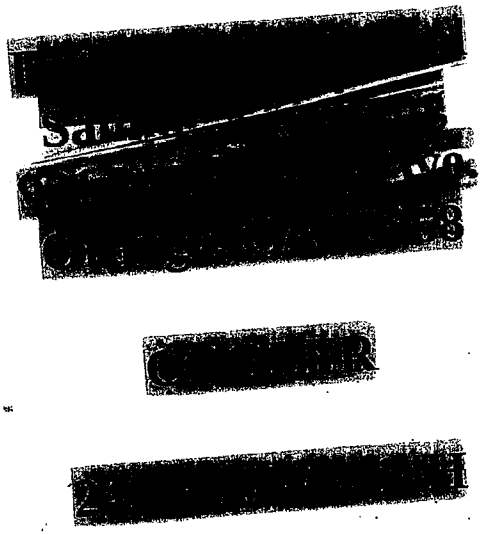
526 93112106 0004

S



4.3/4.1

2



A.U.

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 492059 **Project#:** 20-10491

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

Field ID: ARCH-C8W-LAT-L3-EXT-1 TO 2-230911-P-WF **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-001 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

Diln Fac: 1.000 **Analyzed:** 09/15/23

492059-001 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

492059-001 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	57	19-121

Field ID: ARCH-C8W-LAT-L3-UP-C8.1-DG-230911-P-LA **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-003 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

Diln Fac: 1.000 **Analyzed:** 09/15/23

492059-003 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

492059-003 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	53	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492059 **Project#:** 20-10491

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

Field ID: ARCH-C9W-LAT-L3-EXT-1 TO 2-230911-P-WF **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-005 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

Diln Fac: 1.000 **Analyzed:** 09/15/23

492059-005 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

492059-005 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	55	19-121

Field ID: ARCH-C9W-LAT-L3-UP-C9.4-VS-230911-P-LA **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-008 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

Diln Fac: 1.000 **Analyzed:** 09/15/23

492059-008 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

492059-008 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	54	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492059 **Project#:** 20-10491

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

Field ID: ARCH-C9W-MED-L3-UP-C9.7-DG-230911-P-LA **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-010 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

DiIn Fac: 1.000 **Analyzed:** 09/15/23

492059-010 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

492059-010 Surrogate	%REC	Limits
TCMX (PCB)	56	19-121
Decachlorobiphenyl (PCB)	51	19-121

Field ID: ARCH-C9W-MED-L3-UP-C9.7-DG-230911-P-DUP-LA **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-011 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

DiIn Fac: 1.000 **Analyzed:** 09/16/23

492059-011 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

492059-011 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	54	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492059 **Project#:** 20-10491

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

Field ID: ARCH-C8W-LAT-L3-UP-C8.6-HS-230911-P-LA **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-013 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

Diln Fac: 1.000 **Analyzed:** 09/16/23

492059-013 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

492059-013 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	54	19-121

Field ID: ARCH-C8W-MED-L3-UP-C8.4-DG-230911-P-LA **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-015 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

Diln Fac: 1.000 **Analyzed:** 09/16/23

492059-015 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

492059-015 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	55	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492059 **Project#:** 20-10491

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

Field ID: ARCH-C8W-MED-L3-UP-C8.4-DG-230911-P-DUP-LA **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-016 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

Diln Fac: 1.000 **Analyzed:** 09/16/23

492059-016 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

492059-016 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	53	19-121

Field ID: ARCH-C9W-LAT-L3-UP-C9.1-HS-230911-P-LA **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-018 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

Diln Fac: 1.000 **Analyzed:** 09/16/23

492059-018 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492059-018 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	52	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492059 **Project#:** 20-10491

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

Field ID: ARCH-C11W-LAT-L3-EXT-0 TO 1-230911-P-WF **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-020 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

Diln Fac: 1.000 **Analyzed:** 09/16/23

492059-020 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492059-020 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	51	19-121

Field ID: ARCH-C8W-MED-L3-DN-C8.7-DG-230911-P-LA **Batch#:** 322492 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492059-023 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/15/23

Diln Fac: 1.000 **Analyzed:** 09/16/23

492059-023 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

492059-023 Surrogate	%REC	Limits
TCMX (PCB)	58	19-121
Decachlorobiphenyl (PCB)	50	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492059 **Project#:** 20-10491

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

Type: BLANK **Batch#:** 322492 **Analysis:** EPA 8082

Lab ID: QC1093862 **Prepared:** 09/15/23 **Analyst:** MES

Matrix: Wipe **Analyzed:** 09/15/23

DiIn Fac: 1.000 **Prep:** EPA 3546

QC1093862 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1093862 Surrogate	%REC	Limits
TCMX (PCB)	56	19-121
Decachlorobiphenyl (PCB)	65	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 492059 **Project#:** 20-10491

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

Type: BS **Batch#:** 322492 **Analysis:** EPA 8082

Lab ID: QC1093863 **Prepared:** 09/15/23 **Analyst:** MES

Matrix: Wipe **Analyzed:** 09/15/23

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

QC1093863 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.807	76	60-140	ug/100 cm2
Aroclor-1260	5.000	3.575	72	60-140	ug/100 cm2

QC1093863 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	66	19-121

Type: BSD **Batch#:** 322492 **Analysis:** EPA 8082

Lab ID: QC1093864 **Prepared:** 09/15/23 **Analyst:** MES

Matrix: Wipe **Analyzed:** 09/15/23

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

QC1093864 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.636	73	60-140	ug/100 cm2	5	20
Aroclor-1260	5.000	3.316	66	60-140	ug/100 cm2	8	20

QC1093864 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	56	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_052223020	453205686020		22-MAY-2023 20:06	S18179
L2	gc06_052223021	453205686021		22-MAY-2023 20:24	S18180
L3	gc06_052223022	453205686022		22-MAY-2023 20:43	S18181
L4	gc06_052223023	453205686023		22-MAY-2023 21:01	S18182
L5	gc06_052223024	453205686024		22-MAY-2023 21:19	S18183
L6	gc06_052223025	453205686025		22-MAY-2023 21:38	S18184
L7	gc06_052223026	453205686026		22-MAY-2023 21:56	S18185
L8	gc06_052223027	453205686027		22-MAY-2023 22:14	S18186
L9	gc06_052223028	453205686028		22-MAY-2023 22:33	S18187
L10	gc06_052223029	453205686029		22-MAY-2023 22:51	S18188

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
Units:	ug/L	X Axis:	R

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		44.8280		0.0223	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		22.0807		0.0453	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		17.2755		0.0579	15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.6617		0.0349	13	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		37.4758		0.0267	15	8	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.1197		0.0661	14	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.90415		0.1010	14	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.26897		0.1079	20	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		17.0130		0.0588	14	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		10.7597		0.0929	13	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.74929		1.3346	16	9	.99	20	
TCMX (PCB)	A	AVRG		0.93830		1.0658	13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.0029		0.0208	16	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		21.3693		0.0468	20	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		17.7590		0.0563	14	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		24.6742		0.0405	16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		46.2568		0.0216	9	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		17.7291		0.0564	17	10	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		15.7244		0.0636	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		12.2876		0.0814	17	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		21.0371		0.0475	17	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.5138		0.0689	12	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.94680		1.0562	17	9	.99	20	
TCMX (PCB)	B	AVRG		0.94258		1.0609	15	10	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
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		0.0276	0.0245	0.0234	0.0239	0.0218	0.0206	0.0212	0.0184	0.0193
Aroclor-1016 Peak # 2	A		0.0566	0.0518	0.0480	0.0481	0.0439	0.0411	0.0427	0.0366	0.0387
Aroclor-1016 Peak # 3	A		0.0762	0.0633	0.0599	0.0612	0.0560	0.0519	0.0548	0.0476	0.0502
Aroclor-1016 Peak # 4	A		0.0443	0.0367	0.0358	0.0370	0.0341	0.0322	0.0341	0.0290	0.0309
Aroclor-1016 Peak # 5	A			0.0344	0.0292	0.0286	0.0264	0.0247	0.0261	0.0216	0.0226
Aroclor-1260 Peak # 1	A		0.0851	0.0711	0.0682	0.0709	0.0625	0.0605	0.0668	0.0525	0.0577
Aroclor-1260 Peak # 2	A		0.1294	0.1093	0.1026	0.1091	0.0961	0.0930	0.1010	0.0808	0.0875
Aroclor-1260 Peak # 3	A	0.1581	0.1289	0.1077	0.1032	0.1094	0.0971	0.0948	0.1043	0.0834	0.0921
Aroclor-1260 Peak # 4	A	0.0772	0.0641	0.0593	0.0559	0.0620	0.0553	0.0543	0.0597	0.0476	0.0524
Aroclor-1260 Peak # 5	A	0.1231	0.0945	0.0875	0.0849	0.1002	0.0893	0.0878	0.0975	0.0775	0.0870
Decachlorobiphenyl (PCB)	A		1.7632	1.3406	1.2120	1.5128	1.4154	1.3028	1.3203	1.0100	1.1344
TCMX (PCB)	A		1.3115	1.0954	1.0188	1.2898	0.9794	0.9774	1.0276	0.9022	0.9898
Aroclor-1016 Peak # 1	B	0.0287	0.0231	0.0220	0.0204	0.0214	0.0200	0.0189	0.0193	0.0169	0.0175
Aroclor-1016 Peak # 2	B	0.0611	0.0630	0.0503	0.0468	0.0471	0.0433	0.0407	0.0419	0.0361	0.0376
Aroclor-1016 Peak # 3	B		0.0724	0.0632	0.0574	0.0590	0.0541	0.0509	0.0542	0.0462	0.0495
Aroclor-1016 Peak # 4	B	0.0559	0.0462	0.0417	0.0392	0.0416	0.0384	0.0365	0.0384	0.0328	0.0345
Aroclor-1016 Peak # 5	B			0.0241	0.0220	0.0240	0.0220	0.0210	0.0220	0.0185	0.0193
Aroclor-1260 Peak # 1	B	0.0735	0.0722	0.0592	0.0548	0.0579	0.0517	0.0503	0.0540	0.0436	0.0468
Aroclor-1260 Peak # 2	B		0.0821	0.0695	0.0652	0.0682	0.0603	0.0584	0.0633	0.0506	0.0547
Aroclor-1260 Peak # 3	B	0.1108	0.0964	0.0809	0.0765	0.0815	0.0731	0.0718	0.0782	0.0632	
Aroclor-1260 Peak # 4	B	0.0660	0.0527	0.0493	0.0467	0.0491	0.0448	0.0412	0.0471	0.0378	0.0406
Aroclor-1260 Peak # 5	B		0.0860	0.0731	0.0692	0.0734	0.0655	0.0644	0.0708	0.0560	0.0616
Decachlorobiphenyl (PCB)	B		1.3936	1.1048	0.9715	1.1986	1.1264	1.0333	1.0299	0.7901	0.8576
TCMX (PCB)	B	1.3332	1.2621	1.0653	1.0656	1.2201	0.9321	0.9733	0.9760	0.8587	0.9229

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
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	24	50.000	10	100.00	5	250.00	7	500.00	-2	749.91	-8	1000.0	-5
Aroclor-1016 Peak # 2	A			20.000	25	50.000	14	100.00	6	250.00	6	500.00	-3	749.91	-9	1000.0	-6
Aroclor-1016 Peak # 3	A			20.000	32	50.000	9	100.00	3	250.00	6	500.00	-3	749.91	-10	1000.0	-5
Aroclor-1016 Peak # 4	A			20.000	27	50.000	5	100.00	2	250.00	6	500.00	-2	749.91	-8	1000.0	-2
Aroclor-1016 Peak # 5	A					50.000	29	100.00	9	250.00	7	500.00	-1	749.91	-7	1000.0	-2
Aroclor-1260 Peak # 1	A			20.000	29	50.000	8	100.00	3	250.00	7	500.00	-6	749.91	-9	1000.0	1
Aroclor-1260 Peak # 2	A			20.000	28	50.000	8	100.00	2	250.00	8	500.00	-5	749.91	-8	1000.0	0
Aroclor-1260 Peak # 3	A	10.000	47	20.000	19	50.000	0	100.00	-4	250.00	1	500.00	-10	749.91	-12	1000.0	-3
Aroclor-1260 Peak # 4	A	10.000	31	20.000	9	50.000	1	100.00	-5	250.00	6	500.00	-6	749.91	-8	1000.0	1
Aroclor-1260 Peak # 5	A	10.000	32	20.000	2	50.000	-6	100.00	-9	250.00	8	500.00	-4	749.91	-6	1000.0	5
Decachlorobiphenyl (PCB)	A			1.6000	32	4.0000	0	8.0000	-9	20.000	13	40.000	6	59.993	-2	80.000	-1
TCMX (PCB)	A			1.6000	23	4.0000	3	8.0000	-4	20.000	**21**	40.000	-8	59.993	-8	80.000	-4
Aroclor-1016 Peak # 1	B	10.000	38	20.000	11	50.000	6	100.00	-2	250.00	3	500.00	-4	749.91	-9	1000.0	-7
Aroclor-1016 Peak # 2	B	10.000	31	20.000	**35**	50.000	8	100.00	0	250.00	1	500.00	-7	749.91	-13	1000.0	-10
Aroclor-1016 Peak # 3	B			20.000	29	50.000	12	100.00	2	250.00	5	500.00	-4	749.91	-10	1000.0	-4
Aroclor-1016 Peak # 4	B	10.000	38	20.000	14	50.000	3	100.00	-3	250.00	3	500.00	-5	749.91	-10	1000.0	-5
Aroclor-1016 Peak # 5	B					50.000	11	100.00	2	250.00	11	500.00	2	749.91	-3	1000.0	2
Aroclor-1260 Peak # 1	B	10.000	30	20.000	**28**	50.000	5	100.00	-3	250.00	3	500.00	-8	749.91	-11	1000.0	-4
Aroclor-1260 Peak # 2	B			20.000	29	50.000	9	100.00	3	250.00	7	500.00	-5	749.91	-8	1000.0	0
Aroclor-1260 Peak # 3	B	10.000	36	20.000	18	50.000	-1	100.00	-6	250.00	0	500.00	-10	749.91	-12	1000.0	-4
Aroclor-1260 Peak # 4	B	10.000	39	20.000	11	50.000	4	100.00	-2	250.00	3	500.00	-6	749.91	-13	1000.0	-1
Aroclor-1260 Peak # 5	B			20.000	25	50.000	6	100.00	0	250.00	6	500.00	-5	749.91	-7	1000.0	3
Decachlorobiphenyl (PCB)	B			1.6000	32	4.0000	5	8.0000	-8	20.000	13	40.000	7	59.993	-2	80.000	-2
TCMX (PCB)	B	0.8000	26	1.6000	19	4.0000	0	8.0000	0	20.000	15	40.000	-12	59.993	-8	80.000	-8

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-17	2000.0	-13
Aroclor-1016 Peak # 2	A	1500.0	-19	2000.0	-15
Aroclor-1016 Peak # 3	A	1500.0	-18	2000.0	-13
Aroclor-1016 Peak # 4	A	1500.0	-17	2000.0	-11
Aroclor-1016 Peak # 5	A	1500.0	-19	2000.0	-15
Aroclor-1260 Peak # 1	A	1500.0	**-21**	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-20	2000.0	-13
Aroclor-1260 Peak # 3	A	1500.0	**-23**	2000.0	-15
Aroclor-1260 Peak # 4	A	1500.0	-19	2000.0	-11
Aroclor-1260 Peak # 5	A	1500.0	-17	2000.0	-6
Decachlorobiphenyl (PCB)	A	120.00	**-24**	160.00	-15
TCMX (PCB)	A	120.00	-15	160.00	-7
Aroclor-1016 Peak # 1	B	1500.0	-19	2000.0	-16
Aroclor-1016 Peak # 2	B	1500.0	**-23**	2000.0	-20
Aroclor-1016 Peak # 3	B	1500.0	-18	2000.0	-12
Aroclor-1016 Peak # 4	B	1500.0	-19	2000.0	-15
Aroclor-1016 Peak # 5	B	1500.0	-15	2000.0	-11
Aroclor-1260 Peak # 1	B	1500.0	**-23**	2000.0	-17
Aroclor-1260 Peak # 2	B	1500.0	-20	2000.0	-14
Aroclor-1260 Peak # 3	B	1500.0	**-22**		
Aroclor-1260 Peak # 4	B	1500.0	-20	2000.0	-15
Aroclor-1260 Peak # 5	B	1500.0	-19	2000.0	-11
Decachlorobiphenyl (PCB)	B	120.00	**-25**	160.00	-19
TCMX (PCB)	B	120.00	-19	160.00	-13

TRN 05/23/23 : Manually integrated for coeluting peak, negative/tailing peak for one/both channels on multiple levels

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
Units:	ug/L	X Axis:	R

Analyst: TRN 05/23/23

Reviewer: LW 05/23/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 492059 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_052223_1
Calnum:	453205686001	Cal Date:	22-MAY-2023

- ICV 453205686031 (gc06_052223031 22-MAY-2023) stds: S18189

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	428.3	ug/L	-14	15	
Aroclor-1260	A	500.0	486.3	ug/L	-3	15	
Aroclor-1016	B	500.0	432.4	ug/L	-14	15	
Aroclor-1260	B	500.0	476.3	ug/L	-5	15	

-

Analyst: TRN 05/23/23 **Reviewer:** LW 05/23/23

ENTHALPY CONTINUING CALIBRATION FOR 492059 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453372148004.1	File:	gc06_091523004	Time:	15-SEP-2023 11:05
Cal:	453205686001	Caldate:	22-MAY-2023		

Standards: S18989

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	485.8	ug/L	-3	15	0.0000	
Aroclor-1260	A			500.0	506.2	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3346	1.3022	40.00	39.03	ug/L	-2	15	0.0000	
TCMX (PCB)	A	1.0658	0.9704	40.00	36.42	ug/L	-9	15	0.0000	
Aroclor-1016	B			500.0	450.9	ug/L	-10	15	0.0000	
Aroclor-1260	B			500.0	472.0	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0562	0.9868	40.00	37.37	ug/L	-7	15	0.0000	
TCMX (PCB)	B	1.0609	0.8924	40.00	33.65	ug/L	**-16**	15	0.0000	c-

ISTD (ICAL gc06_052223022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7279227	10054932	38.13
1-bromo-2-nitrobenzene (PCB)	A	2781470	3904319	40.37

09/15/23 : 500 PPB PCB CCV

MES 09/19/23 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

-=low bias c=CCV

Analyst: MES 09/19/23 **Reviewer:** MTS 09/19/23

ENTHALPY CONTINUING CALIBRATION FOR 492059 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453372148043.1	File:	gc06_091523043	Time:	15-SEP-2023 23:19
Cal:	453205686001	Caldate:	22-MAY-2023		

Standards: S18989

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	549.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	485.1	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3346	0.8197	40.00	24.57	ug/L	**-39**	15	0.0000	c-
TCMX (PCB)	A	1.0658	0.7286	40.00	27.35	ug/L	**-32**	15	0.0000	c-
Aroclor-1016	B			500.0	545.3	ug/L	9	15	0.0000	
Aroclor-1260	B			500.0	489.3	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0562	0.6484	40.00	24.56	ug/L	**-39**	15	0.0000	c-
TCMX (PCB)	B	1.0609	0.6952	40.00	26.21	ug/L	**-34**	15	0.0000	c-

ISTD (ICAL gc06_052223022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7279227	12178827	67.31
1-bromo-2-nitrobenzene (PCB)	A	2781470	5027098	80.74

09/18/23 : 500 PPB PCB CCV

MES 09/19/23 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

TRN 09/19/23 [Aroclor-1260 B]: Corrected fronting or tailing peak integration for Ch. B.

-=low bias c=CCV

Reviewed By: MES 09/19/23 *, TRN 09/19/23, MTS 09/20/23

Enthalpy Internal Standard Summary for Sequence 453372148

Date:	09/15/23	Reference:	gc06_052223022
Sequence:	SVOA-GC06 gc06_091523	Analyzed:	05/22/23 20:43

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	7279227	2781470
		LOWER LIMIT	3639614	1390735
		UPPER LIMIT	14558454	5562940
004	CCV		10054932	3904319
043	CCV		12178827	5027098

Enthalpy Internal Standard Summary for Sequence 453372148

Date:	09/15/23	Reference:	gc06_091523004
Sequence:	SVOA-GC06 gc06_091523	Analyzed:	09/15/23 11:05

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	10054932	3904319
		LOWER LIMIT	5027466	1952159
		UPPER LIMIT	20109864	7808637
034	BLANK	QC1093862	11611663	4852115
035	BS	QC1093863	11890545	4927001
036	BSD	QC1093864	12146173	4915835
037	SAMPLE	492059-001	11675862	4797450
038	SAMPLE	492059-003	12557078	5092712
039	SAMPLE	492059-005	11835810	4852064
040	SAMPLE	492059-008	11359872	4634935
041	SAMPLE	492059-010	13036008	5380451

Enthalpy Internal Standard Summary for Sequence 453372148

Date:	09/15/23	Reference:	gc06_091523004
Sequence:	SVOA-GC06 gc06_091523	Analyzed:	09/15/23 11:05

#	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	4.34	4.15
		LOWER LIMIT	4.14	3.95
		UPPER LIMIT	4.54	4.35
034	BLANK	QC1093862	4.34	4.15
035	BS	QC1093863	4.34	4.15
036	BSD	QC1093864	4.34	4.15
037	SAMPLE	492059-001	4.34	4.15
038	SAMPLE	492059-003	4.34	4.15
039	SAMPLE	492059-005	4.34	4.15
040	SAMPLE	492059-008	4.34	4.15
041	SAMPLE	492059-010	4.34	4.15

Enthalpy Internal Standard Summary for Sequence 453372148

Date:	09/15/23	Reference:	gc06_091523043
Sequence:	SVOA-GC06 gc06_091523	Analyzed:	09/15/23 23:19

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	12178827	5027098
		LOWER LIMIT	6089414	2513549
		UPPER LIMIT	24357655	10054197
048	SAMPLE	492059-011	12750237	5057007
049	SAMPLE	492059-013	12735859	5098091
050	SAMPLE	492059-015	11690803	4650336
051	SAMPLE	492059-016	11858203	4713306
052	SAMPLE	492059-018	12638846	5131422
053	SAMPLE	492059-020	12838500	5185705
054	SAMPLE	492059-023	12668227	5003087
055	SAMPLE	492110-041	11341829	4342915
056	SAMPLE	492110-043	12687256	5035218

Enthalpy Internal Standard Summary for Sequence 453372148

Date:	09/15/23	Reference:	gc06_091523043
Sequence:	SVOA-GC06 gc06_091523	Analyzed:	09/15/23 23:19

#	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	4.34	4.15
		LOWER LIMIT	4.14	3.95
		UPPER LIMIT	4.54	4.35
048	SAMPLE	492059-011	4.34	4.15
049	SAMPLE	492059-013	4.34	4.15
050	SAMPLE	492059-015	4.34	4.15
051	SAMPLE	492059-016	4.34	4.15
052	SAMPLE	492059-018	4.34	4.15
053	SAMPLE	492059-020	4.34	4.15
054	SAMPLE	492059-023	4.34	4.15
055	SAMPLE	492110-041	4.34	4.15
056	SAMPLE	492110-043	4.34	4.15

Enthalpy Sequence Summary for Sequence 453205686

Instrument: SVOA-GC06 Begun: 05/22/23 20:06
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
020	gc06_052223020	ICAL				05/22/23 20:06	1.0	1
021	gc06_052223021	ICAL				05/22/23 20:24	1.0	2
022	gc06_052223022	ICAL				05/22/23 20:43	1.0	3
023	gc06_052223023	ICAL				05/22/23 21:01	1.0	4
024	gc06_052223024	ICAL				05/22/23 21:19	1.0	5
025	gc06_052223025	ICAL				05/22/23 21:38	1.0	6
026	gc06_052223026	ICAL				05/22/23 21:56	1.0	7
027	gc06_052223027	ICAL				05/22/23 22:14	1.0	8
028	gc06_052223028	ICAL				05/22/23 22:33	1.0	9
029	gc06_052223029	ICAL				05/22/23 22:51	1.0	10
031	gc06_052223031	ICV				05/22/23 23:27	1.0	11

TRN 05/23/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 20 through 31.

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

Enthalpy Sequence Summary for Sequence 453372148

Instrument: SVOA-GC06 Begun: 09/15/23 10:28

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_091523002	PEM				09/15/23 10:28	1.0	1
003	gc06_091523003	CCV				09/15/23 10:46	1.0	2
004	gc06_091523004	CCV				09/15/23 11:05	1.0	3
006	gc06_091523006	ICAL				09/15/23 11:43	1.0	4
008	gc06_091523008	BLANK	QC1093703	Soil	322387	09/15/23 12:20	1.0	5
009	gc06_091523009	LCS	QC1093704	Soil	322387	09/15/23 12:38	1.0	5
010	gc06_091523010	MS	QC1093705	Soil	322387	09/15/23 12:57	1.0	5
011	gc06_091523011	MSD	QC1093706	Soil	322387	09/15/23 13:16	1.0	5
012	gc06_091523012	MSS	492097-007	Soil	322387	09/15/23 13:35	1.0	5
013	gc06_091523013	SAMPLE	492097-001	Soil	322387	09/15/23 13:54	1.0	5
014	gc06_091523014	SAMPLE	492097-005	Soil	322387	09/15/23 14:12	1.0	5
015	gc06_091523015	SAMPLE	492097-008	Soil	322387	09/15/23 14:31	1.0	5
016	gc06_091523016	SAMPLE	492097-013	Soil	322387	09/15/23 14:50	1.0	5
017	gc06_091523017	SAMPLE	492097-014	Soil	322387	09/15/23 15:09	1.0	5
018	gc06_091523018	SAMPLE	492097-016	Soil	322387	09/15/23 15:28	10.0	5
019	gc06_091523019	SAMPLE	492097-017	Soil	322387	09/15/23 15:47	1.0	5
020	gc06_091523020	SAMPLE	492097-019	Soil	322387	09/15/23 16:05	1.0	5
021	gc06_091523021	SAMPLE	492097-023	Soil	322387	09/15/23 16:24	1.0	5
022	gc06_091523022	SAMPLE	492097-026	Soil	322387	09/15/23 16:43	1.0	5
023	gc06_091523023	SAMPLE	492097-028	Soil	322387	09/15/23 17:02	1.0	5
024	gc06_091523024	SAMPLE	492097-031	Soil	322387	09/15/23 17:21	1.0	5
025	gc06_091523025	SAMPLE	492097-032	Soil	322387	09/15/23 17:40	1.0	5
026	gc06_091523026	SAMPLE	492097-025	Soil	322387	09/15/23 17:59	1.0	5
027	gc06_091523027	SAMPLE	492303-001	Soil	322387	09/15/23 18:17	2.0	5
028	gc06_091523028	SAMPLE	492303-002	Soil	322387	09/15/23 18:36	2.0	5
029	gc06_091523029	SAMPLE	492303-003	Soil	322387	09/15/23 18:55	2.0	5
034	gc06_091523034	BLANK	QC1093862	Wipe	322492	09/15/23 20:30	1.0	5
035	gc06_091523035	BS	QC1093863	Wipe	322492	09/15/23 20:49	1.0	5
036	gc06_091523036	BSD	QC1093864	Wipe	322492	09/15/23 21:07	1.0	5
037	gc06_091523037	SAMPLE	492059-001	Wipe	322492	09/15/23 21:26	1.0	5
038	gc06_091523038	SAMPLE	492059-003	Wipe	322492	09/15/23 21:45	1.0	5
039	gc06_091523039	SAMPLE	492059-005	Wipe	322492	09/15/23 22:04	1.0	5
040	gc06_091523040	SAMPLE	492059-008	Wipe	322492	09/15/23 22:23	1.0	5
041	gc06_091523041	SAMPLE	492059-010	Wipe	322492	09/15/23 22:41	1.0	5
043	gc06_091523043	CCV				09/15/23 23:19	1.0	3
048	gc06_091523048	SAMPLE	492059-011	Wipe	322492	09/16/23 00:53	1.0	5
049	gc06_091523049	SAMPLE	492059-013	Wipe	322492	09/16/23 01:12	1.0	5
050	gc06_091523050	SAMPLE	492059-015	Wipe	322492	09/16/23 01:31	1.0	5
051	gc06_091523051	SAMPLE	492059-016	Wipe	322492	09/16/23 01:49	1.0	5
052	gc06_091523052	SAMPLE	492059-018	Wipe	322492	09/16/23 02:08	1.0	5
053	gc06_091523053	SAMPLE	492059-020	Wipe	322492	09/16/23 02:27	1.0	5
054	gc06_091523054	SAMPLE	492059-023	Wipe	322492	09/16/23 02:46	1.0	5
055	gc06_091523055	SAMPLE	492110-041	Wipe	322492	09/16/23 03:05	1.0	5
056	gc06_091523056	SAMPLE	492110-043	Wipe	322492	09/16/23 03:23	1.0	5

MES 09/19/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 56.

Standards Used:
1=S18206 2=S18917 3=S18989 4=S18393 5=S18370

SAMPLE PREPARATION SUMMARY

Batch #:	322492	Method:	3546	Analysis:	8080
Started By:	EPL	Prep Date:	15-SEP-2023 13:02	Finished By:	EPL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S19004	Spike S18827	Analysis
492059-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-010	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-013	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-015	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-016	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-018	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-020	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492059-023	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492110-041	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
492110-043	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
QC1093862 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1093863 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1093864 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080

Reviewed By: MES 09/19/23, TRN 09/19/23, MTS 09/20/23

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: WIPE Date/Time: 9/15/23 13:02 Initials: EPL

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

Hotblock Temp (Obs/Corr), °C: _____/_____ 608.3 QC Batch#: _____

Balance ID: N/A Microdipenser ID: SYRINGE 8081 QC Batch #: _____

Extraction Start Time*: 13:07 Extraction end time*: _____ 8082 QC Batch #: 322492

* 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		1S	N/A	MIC02-1	TV06	10.0		
LCS_2		↓	↓	-2	↓	↓		
$LCSD_2$				-3				
492110-041	A			-4				
-043	A			-5				
492059-001	A			-6	↓			
-003	A			-7	TV05			
-005	A			-8				
-008	A			-9				
-010	A			-10				
-011	A			-11				
-013	A			-14	↓			
-015	A			-15	TV08			
-016	A			-16				
-018	A			-19				
-020	A			-20				
-023	A	↓	↓	-21	↓	↓		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S18933

Acetone-Hexane Mix ID: _____

Sodium Sulfate Lot: 223704

Baked Sand Lot: N/D

Surrogate ID: S19004 Volume: 500 µL

Pest LCS Spike ID: _____ Volume: _____ µL

PCB LCS Spike ID: S18827 Volume: 100 µL

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

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

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: WIPE Date/Time: 9/15/23 13:02 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 #: 322492

Extraction Start Time*: 13:07 Extraction end time*: _____

* 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		10g	N/A	M1102-1	TV06	10.0		
LCS2				-2				
LCSD2				-3				
492110-041	A			-4				
-043	A			-5				
492059-001	A			-6				
-003	A			-7	TV05			
-005	A			-8				
-008	A			-9				
-010	A			-10				
-011	A			-11				
-013	A			-14				
-015	A			-15	TV08			
-016	A			-16				
-018	A			-19				
-020	A			-20				
-023	A			-21				

Methylene Chloride Lot: N/A Surrogate ID: S19004 Volume: 500 µL

Exchange Solvent (Hexane) ID: S18933 Pest LCS Spike ID: _____ Volume: _____ µL

Acetone-Hexane Mix ID: _____ PCB LCS Spike ID: S18827 Volume: 500 µL

Sodium Sulfate Lot: 223704 Pest MS/MSD Spike ID: _____ Volume: _____ µL

Baked Sand Lot: N/D PCB MS/MSD Spike ID: _____ Volume: _____ µL

REPORTING SUMMARY FOR 492059 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
492059-001	Aroclor-1016	SVOA-GC06	B	09/15/23 21:26
492059-001	Aroclor-1221	SVOA-GC06	B	09/15/23 21:26
492059-001	Aroclor-1232	SVOA-GC06	B	09/15/23 21:26
492059-001	Aroclor-1242	SVOA-GC06	B	09/15/23 21:26
492059-001	Aroclor-1248	SVOA-GC06	B	09/15/23 21:26
492059-001	Aroclor-1254	SVOA-GC06	B	09/15/23 21:26
492059-001	Aroclor-1260	SVOA-GC06	B	09/15/23 21:26
492059-001	Aroclor-1262	SVOA-GC06	B	09/15/23 21:26
492059-001	Aroclor-1268	SVOA-GC06	B	09/15/23 21:26
492059-001	TCMX (PCB)	SVOA-GC06	B	09/15/23 21:26
492059-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/15/23 21:26
492059-003	Aroclor-1016	SVOA-GC06	B	09/15/23 21:45
492059-003	Aroclor-1221	SVOA-GC06	B	09/15/23 21:45
492059-003	Aroclor-1232	SVOA-GC06	B	09/15/23 21:45
492059-003	Aroclor-1242	SVOA-GC06	B	09/15/23 21:45
492059-003	Aroclor-1248	SVOA-GC06	B	09/15/23 21:45
492059-003	Aroclor-1254	SVOA-GC06	B	09/15/23 21:45
492059-003	Aroclor-1260	SVOA-GC06	B	09/15/23 21:45
492059-003	Aroclor-1262	SVOA-GC06	B	09/15/23 21:45
492059-003	Aroclor-1268	SVOA-GC06	B	09/15/23 21:45
492059-003	TCMX (PCB)	SVOA-GC06	B	09/15/23 21:45
492059-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/15/23 21:45
492059-005	Aroclor-1016	SVOA-GC06	B	09/15/23 22:04
492059-005	Aroclor-1221	SVOA-GC06	B	09/15/23 22:04
492059-005	Aroclor-1232	SVOA-GC06	B	09/15/23 22:04
492059-005	Aroclor-1242	SVOA-GC06	B	09/15/23 22:04
492059-005	Aroclor-1248	SVOA-GC06	B	09/15/23 22:04
492059-005	Aroclor-1254	SVOA-GC06	B	09/15/23 22:04
492059-005	Aroclor-1260	SVOA-GC06	B	09/15/23 22:04

REPORTING SUMMARY FOR 492059 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
492059-005	Aroclor-1262	SVOA-GC06	B	09/15/23 22:04
492059-005	Aroclor-1268	SVOA-GC06	B	09/15/23 22:04
492059-005	TCMX (PCB)	SVOA-GC06	B	09/15/23 22:04
492059-005	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/15/23 22:04
492059-008	Aroclor-1016	SVOA-GC06	B	09/15/23 22:23
492059-008	Aroclor-1221	SVOA-GC06	B	09/15/23 22:23
492059-008	Aroclor-1232	SVOA-GC06	B	09/15/23 22:23
492059-008	Aroclor-1242	SVOA-GC06	B	09/15/23 22:23
492059-008	Aroclor-1248	SVOA-GC06	B	09/15/23 22:23
492059-008	Aroclor-1254	SVOA-GC06	B	09/15/23 22:23
492059-008	Aroclor-1260	SVOA-GC06	B	09/15/23 22:23
492059-008	Aroclor-1262	SVOA-GC06	B	09/15/23 22:23
492059-008	Aroclor-1268	SVOA-GC06	B	09/15/23 22:23
492059-008	TCMX (PCB)	SVOA-GC06	B	09/15/23 22:23
492059-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/15/23 22:23
492059-010	Aroclor-1016	SVOA-GC06	B	09/15/23 22:41
492059-010	Aroclor-1221	SVOA-GC06	B	09/15/23 22:41
492059-010	Aroclor-1232	SVOA-GC06	B	09/15/23 22:41
492059-010	Aroclor-1242	SVOA-GC06	B	09/15/23 22:41
492059-010	Aroclor-1248	SVOA-GC06	B	09/15/23 22:41
492059-010	Aroclor-1254	SVOA-GC06	B	09/15/23 22:41
492059-010	Aroclor-1260	SVOA-GC06	B	09/15/23 22:41
492059-010	Aroclor-1262	SVOA-GC06	B	09/15/23 22:41
492059-010	Aroclor-1268	SVOA-GC06	B	09/15/23 22:41
492059-010	TCMX (PCB)	SVOA-GC06	B	09/15/23 22:41
492059-010	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/15/23 22:41
492059-011	Aroclor-1016	SVOA-GC06	B	09/16/23 00:53
492059-011	Aroclor-1221	SVOA-GC06	B	09/16/23 00:53

REPORTING SUMMARY FOR 492059 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
492059-011	Aroclor-1232	SVOA-GC06	B	09/16/23 00:53
492059-011	Aroclor-1242	SVOA-GC06	B	09/16/23 00:53
492059-011	Aroclor-1248	SVOA-GC06	B	09/16/23 00:53
492059-011	Aroclor-1254	SVOA-GC06	B	09/16/23 00:53
492059-011	Aroclor-1260	SVOA-GC06	B	09/16/23 00:53
492059-011	Aroclor-1262	SVOA-GC06	B	09/16/23 00:53
492059-011	Aroclor-1268	SVOA-GC06	B	09/16/23 00:53
492059-011	TCMX (PCB)	SVOA-GC06	B	09/16/23 00:53
492059-011	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/16/23 00:53
492059-013	Aroclor-1016	SVOA-GC06	B	09/16/23 01:12
492059-013	Aroclor-1221	SVOA-GC06	B	09/16/23 01:12
492059-013	Aroclor-1232	SVOA-GC06	B	09/16/23 01:12
492059-013	Aroclor-1242	SVOA-GC06	B	09/16/23 01:12
492059-013	Aroclor-1248	SVOA-GC06	B	09/16/23 01:12
492059-013	Aroclor-1254	SVOA-GC06	B	09/16/23 01:12
492059-013	Aroclor-1260	SVOA-GC06	B	09/16/23 01:12
492059-013	Aroclor-1262	SVOA-GC06	B	09/16/23 01:12
492059-013	Aroclor-1268	SVOA-GC06	B	09/16/23 01:12
492059-013	TCMX (PCB)	SVOA-GC06	B	09/16/23 01:12
492059-013	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/16/23 01:12
492059-015	Aroclor-1016	SVOA-GC06	B	09/16/23 01:31
492059-015	Aroclor-1221	SVOA-GC06	B	09/16/23 01:31
492059-015	Aroclor-1232	SVOA-GC06	B	09/16/23 01:31
492059-015	Aroclor-1242	SVOA-GC06	B	09/16/23 01:31
492059-015	Aroclor-1248	SVOA-GC06	B	09/16/23 01:31
492059-015	Aroclor-1254	SVOA-GC06	B	09/16/23 01:31
492059-015	Aroclor-1260	SVOA-GC06	B	09/16/23 01:31
492059-015	Aroclor-1262	SVOA-GC06	B	09/16/23 01:31
492059-015	Aroclor-1268	SVOA-GC06	B	09/16/23 01:31

REPORTING SUMMARY FOR 492059 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
492059-015	TCMX (PCB)	SVOA-GC06	B	09/16/23 01:31
492059-015	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/16/23 01:31
492059-016	Aroclor-1016	SVOA-GC06	B	09/16/23 01:49
492059-016	Aroclor-1221	SVOA-GC06	B	09/16/23 01:49
492059-016	Aroclor-1232	SVOA-GC06	B	09/16/23 01:49
492059-016	Aroclor-1242	SVOA-GC06	B	09/16/23 01:49
492059-016	Aroclor-1248	SVOA-GC06	B	09/16/23 01:49
492059-016	Aroclor-1254	SVOA-GC06	B	09/16/23 01:49
492059-016	Aroclor-1260	SVOA-GC06	B	09/16/23 01:49
492059-016	Aroclor-1262	SVOA-GC06	B	09/16/23 01:49
492059-016	Aroclor-1268	SVOA-GC06	B	09/16/23 01:49
492059-016	TCMX (PCB)	SVOA-GC06	B	09/16/23 01:49
492059-016	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/16/23 01:49
492059-018	Aroclor-1016	SVOA-GC06	B	09/16/23 02:08
492059-018	Aroclor-1221	SVOA-GC06	B	09/16/23 02:08
492059-018	Aroclor-1232	SVOA-GC06	B	09/16/23 02:08
492059-018	Aroclor-1242	SVOA-GC06	B	09/16/23 02:08
492059-018	Aroclor-1248	SVOA-GC06	B	09/16/23 02:08
492059-018	Aroclor-1254	SVOA-GC06	B	09/16/23 02:08
492059-018	Aroclor-1260	SVOA-GC06	B	09/16/23 02:08
492059-018	Aroclor-1262	SVOA-GC06	B	09/16/23 02:08
492059-018	Aroclor-1268	SVOA-GC06	B	09/16/23 02:08
492059-018	TCMX (PCB)	SVOA-GC06	B	09/16/23 02:08
492059-018	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/16/23 02:08
492059-020	Aroclor-1016	SVOA-GC06	B	09/16/23 02:27
492059-020	Aroclor-1221	SVOA-GC06	B	09/16/23 02:27
492059-020	Aroclor-1232	SVOA-GC06	B	09/16/23 02:27
492059-020	Aroclor-1242	SVOA-GC06	B	09/16/23 02:27

REPORTING SUMMARY FOR 492059 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
492059-020	Aroclor-1248	SVOA-GC06	B	09/16/23 02:27
492059-020	Aroclor-1254	SVOA-GC06	B	09/16/23 02:27
492059-020	Aroclor-1260	SVOA-GC06	B	09/16/23 02:27
492059-020	Aroclor-1262	SVOA-GC06	B	09/16/23 02:27
492059-020	Aroclor-1268	SVOA-GC06	B	09/16/23 02:27
492059-020	TCMX (PCB)	SVOA-GC06	B	09/16/23 02:27
492059-020	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/16/23 02:27
492059-023	Aroclor-1016	SVOA-GC06	B	09/16/23 02:46
492059-023	Aroclor-1221	SVOA-GC06	B	09/16/23 02:46
492059-023	Aroclor-1232	SVOA-GC06	B	09/16/23 02:46
492059-023	Aroclor-1242	SVOA-GC06	B	09/16/23 02:46
492059-023	Aroclor-1248	SVOA-GC06	B	09/16/23 02:46
492059-023	Aroclor-1254	SVOA-GC06	B	09/16/23 02:46
492059-023	Aroclor-1260	SVOA-GC06	B	09/16/23 02:46
492059-023	Aroclor-1262	SVOA-GC06	B	09/16/23 02:46
492059-023	Aroclor-1268	SVOA-GC06	B	09/16/23 02:46
492059-023	TCMX (PCB)	SVOA-GC06	B	09/16/23 02:46
492059-023	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/16/23 02:46
QC1093862	Aroclor-1016	SVOA-GC06	B	09/15/23 20:30
QC1093862	Aroclor-1221	SVOA-GC06	B	09/15/23 20:30
QC1093862	Aroclor-1232	SVOA-GC06	B	09/15/23 20:30
QC1093862	Aroclor-1242	SVOA-GC06	B	09/15/23 20:30
QC1093862	Aroclor-1248	SVOA-GC06	B	09/15/23 20:30
QC1093862	Aroclor-1254	SVOA-GC06	B	09/15/23 20:30
QC1093862	Aroclor-1260	SVOA-GC06	B	09/15/23 20:30
QC1093862	Aroclor-1262	SVOA-GC06	B	09/15/23 20:30
QC1093862	Aroclor-1268	SVOA-GC06	B	09/15/23 20:30
QC1093862	TCMX (PCB)	SVOA-GC06	B	09/15/23 20:30
QC1093862	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/15/23 20:30

REPORTING SUMMARY FOR 492059 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1093863	Aroclor-1016	SVOA-GC06	B	09/15/23 20:49
QC1093863	Aroclor-1260	SVOA-GC06	B	09/15/23 20:49
QC1093863	TCMX (PCB)	SVOA-GC06	B	09/15/23 20:49
QC1093863	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/15/23 20:49
QC1093864	Aroclor-1016	SVOA-GC06	B	09/15/23 21:07
QC1093864	Aroclor-1260	SVOA-GC06	B	09/15/23 21:07
QC1093864	TCMX (PCB)	SVOA-GC06	B	09/15/23 21:07
QC1093864	Decachlorobiphenyl (PCB)	SVOA-GC06	B	09/15/23 21:07

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-001	Client ID:	ARCH-C8W-LAT-L3-EXT-1 TO 2-230911-P-WF
Seqnum:	453372148037	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523037	Batch:	322492	Time:	15-SEP-2023 21:26
Cal:	453205686001	Caldate:	22-MAY-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	48.12	ND	0.83	54%	0.50		u
Aroclor-1016 Peak # 1	B	48.01	0.48	0.68	35%			
Aroclor-1016 Peak # 2	B	39.77	0.40	0.48	18%			
Aroclor-1016 Peak # 3	B	133.0	1.33	0.59	78%			
Aroclor-1016 Peak # 4	B	1.343	0.01	1.94	197%			
Aroclor-1016 Peak # 5	B	18.52	0.19	0.48	89%			
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	9.307	ND	0.17	60%	0.50		u
Aroclor-1260 Peak # 1	B	4.634	0.05	0.15	107%			
Aroclor-1260 Peak # 2	B	1.598	0.02	0.04	91%			
Aroclor-1260 Peak # 3	B	6.332	0.06	0.11	56%			
Aroclor-1260 Peak # 4	B	15.20	0.15	0.40	91%			
Aroclor-1260 Peak # 5	B	18.77	0.19	0.15	24%			
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	29.85	0.5000	0.2985	60	19-121	c- u
Decachlorobiphenyl (PCB)	B	28.46	0.5000	0.2846	57	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_091523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10054932	11675862	16.12
1-bromo-2-nitrobenzene (PCB)	A	3904319	4797450	22.88

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_091523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

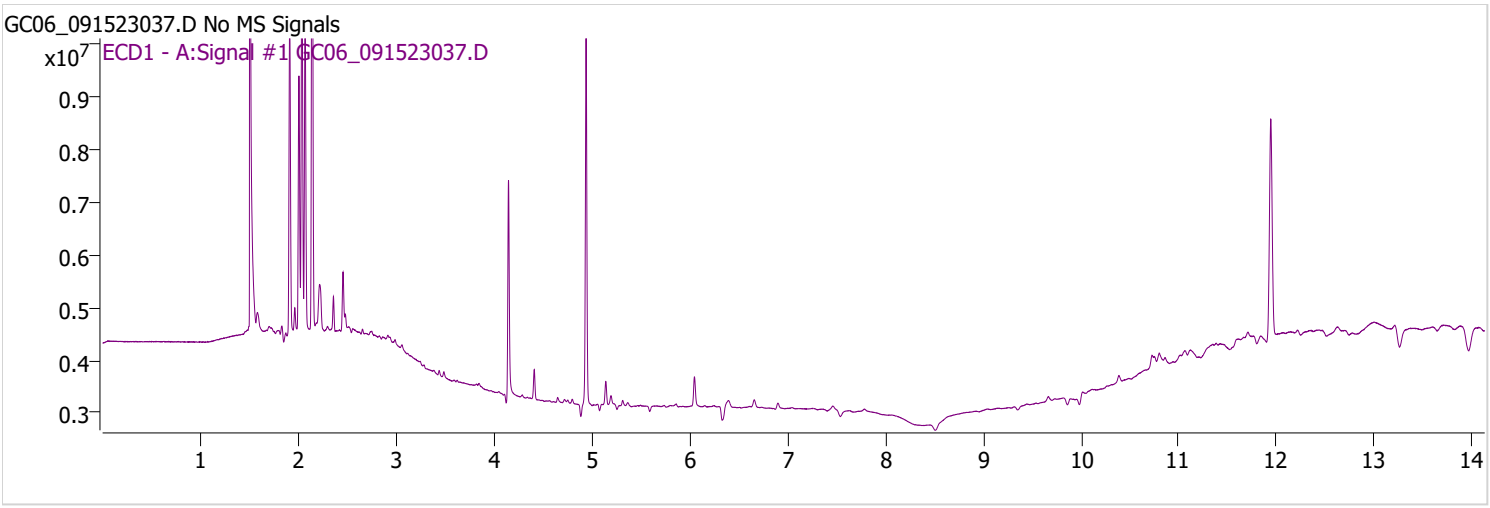
09/18/23 : WIPE/1S-10ML

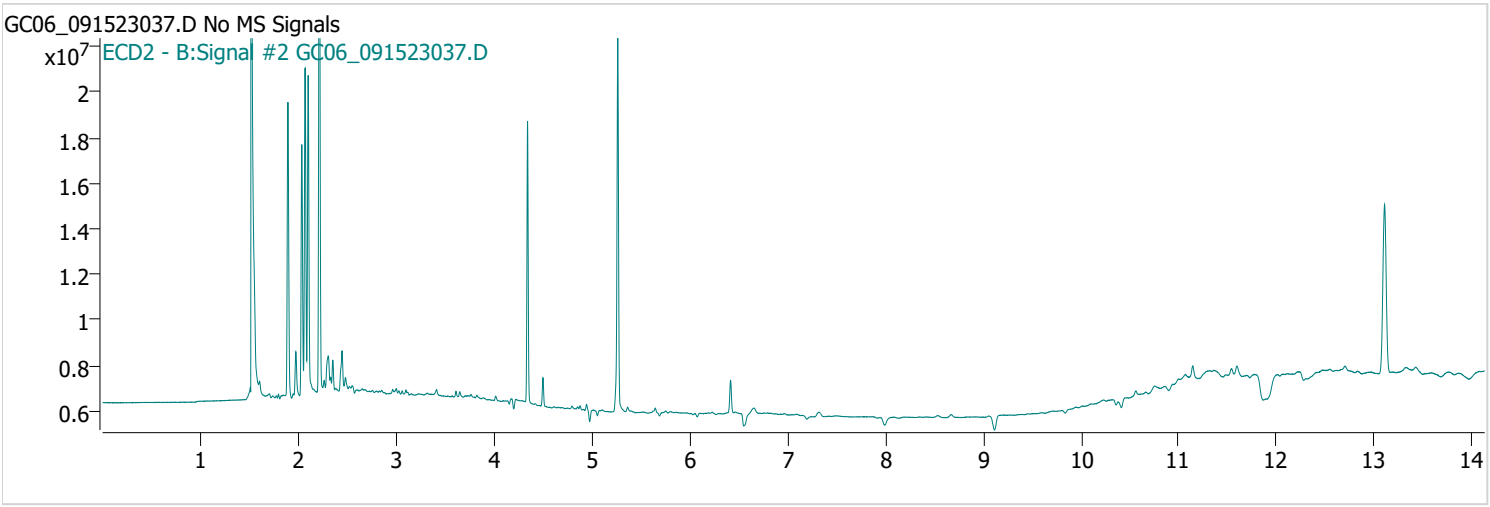
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Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523037.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/15/2023 9:26:44 PM
Sample Name	492059-001, 322492, 1	Instrument	SVOA-GC06
Vial	34	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



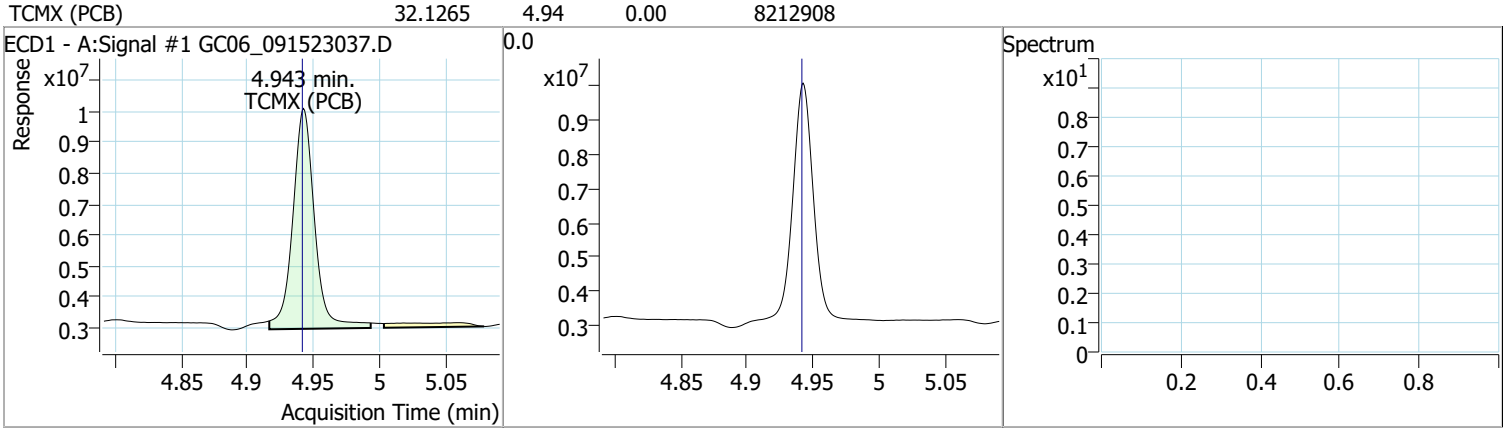


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	4797450.003	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	11675861.844	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8212907.537	32.1265	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 160.63%		*	
S TCMX (PCB) #2	5.266	0.0	18490243.618	29.8543	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.27%			
S Decachlorobiphenyl (PCB)	11.940	0.0	8352920.943	26.0923	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 130.46%			
S Decachlorobiphenyl (PCB) #2	13.103	0.0	17547513.155	28.4590	ng/ml		0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.29%			
Target Compounds							QValue

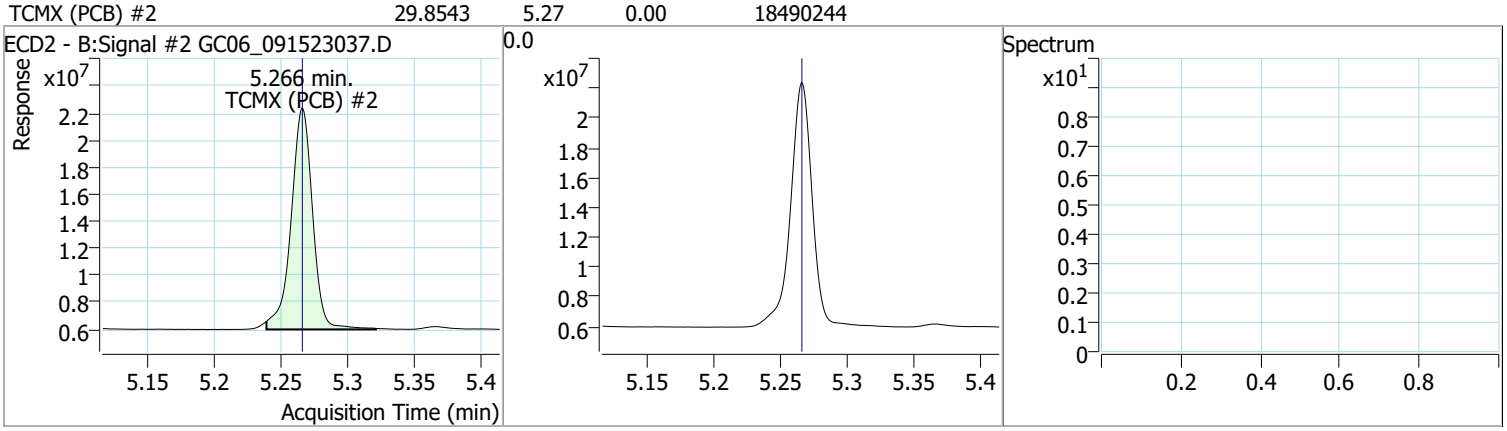
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.317	0.0	364483.511	68.1165	ng/ml	100
T AR1016 2	5.738	0.0	517753.022	47.6606	ng/ml	100
T AR1016 1 #2	5.756	0.0	583902.356	48.0124	ng/ml	100
T AR1016 3	6.049	0.0	814674.071	58.6731	ng/ml	100
T AR1016 2 #2	6.231	0.0	1086408.007	39.7676	ng/ml	100
T AR1016 4	6.248	0.0	1625707.948	194.2540	ng/ml	100
T AR1016 5	6.661	0.0	309642.770	48.3769	ng/ml	100
T AR1016 3 #2	6.659	0.0	4371250.955	132.9755	ng/ml	100
T AR1016 4 #2	6.878	0.0	31778.668	1.3431	ng/ml	100
T AR1016 5 #2	7.498	0.0	233751.492	18.5215	ng/ml	100
T AR1260 1	8.455	0.0	244192.230	15.3922	ng/ml	100
T AR1260 2	9.048	0.0	103944.011	4.2918	ng/ml	100
T AR1260 3	9.446	0.0	290486.283	11.2249	ng/ml	100
T AR1260 1 #2	9.718	0.0	152578.094	4.6337	ng/ml	100
T AR1260 4	9.894	0.0	570889.930	40.4910	ng/ml	100
T AR1260 2 #2	10.019	0.0	59324.526	1.5979	ng/ml	100
T AR1260 3 #2	10.378	0.0	300846.928	6.3323	ng/ml	100
T AR1260 5	10.726	0.0	328678.826	14.7433	ng/ml	100
T AR1260 4 #2	10.848	0.0	421928.549	15.2044	ng/ml	100
T AR1260 5 #2	11.538	0.0	754916.960	18.7684	ng/ml	100

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

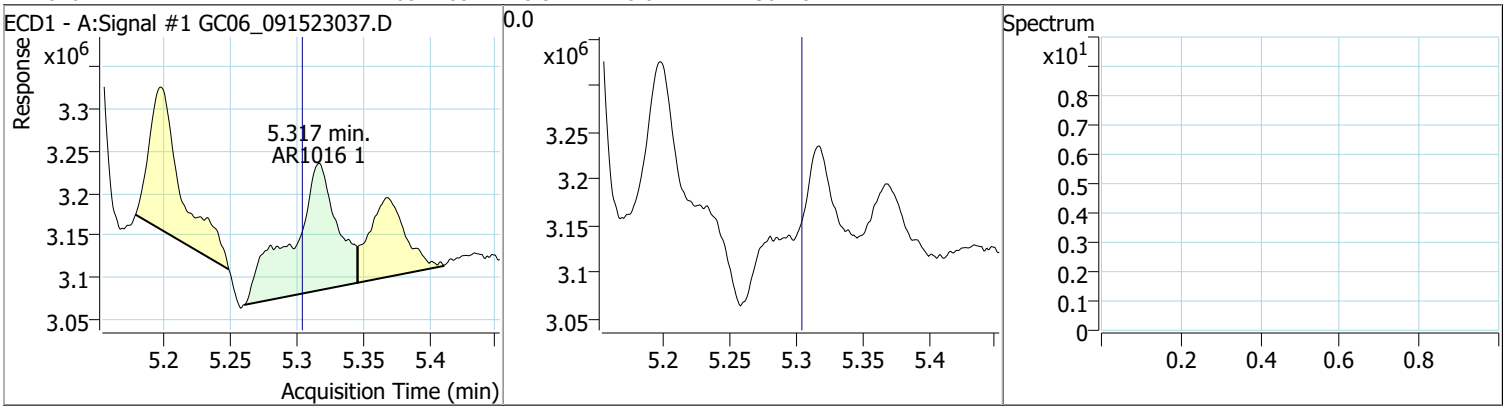
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.1265	4.94	0.00	8212908				



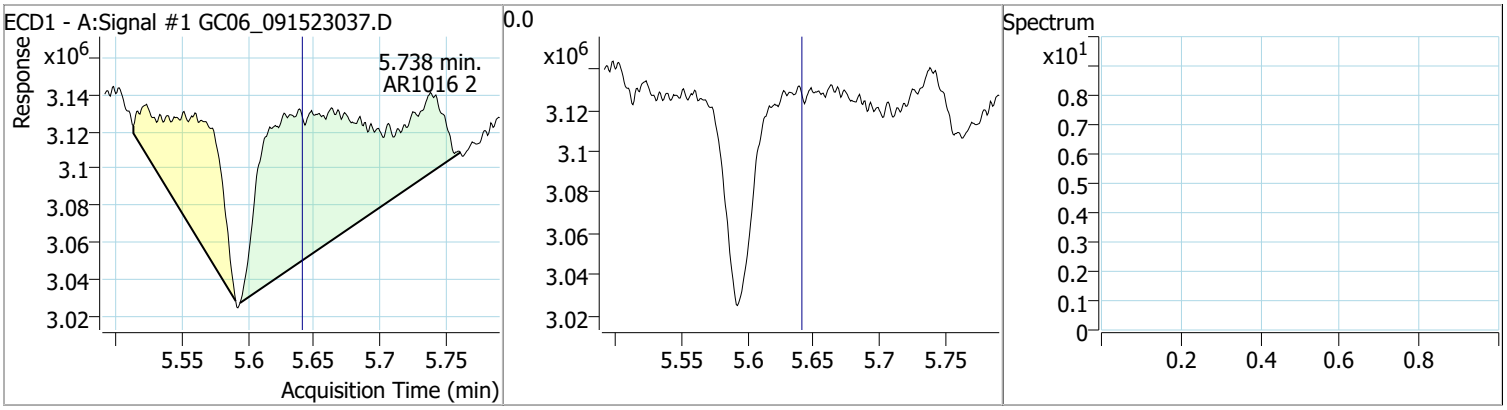
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.8543	5.27	0.00	18490244				



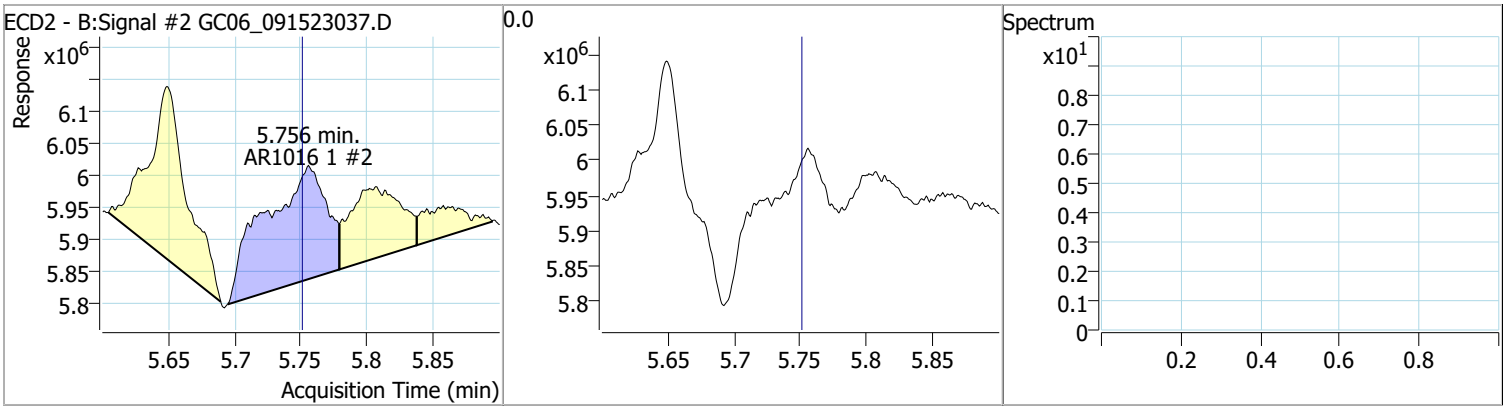
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	68.1165	5.32	0.01	364484				



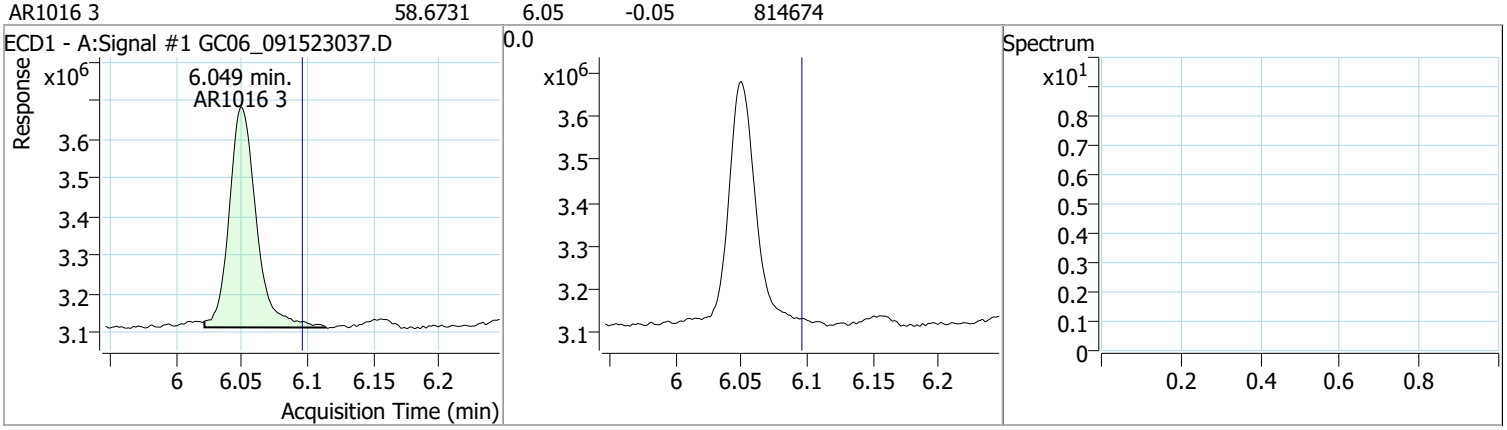
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	47.6606	5.74	0.09	517753				



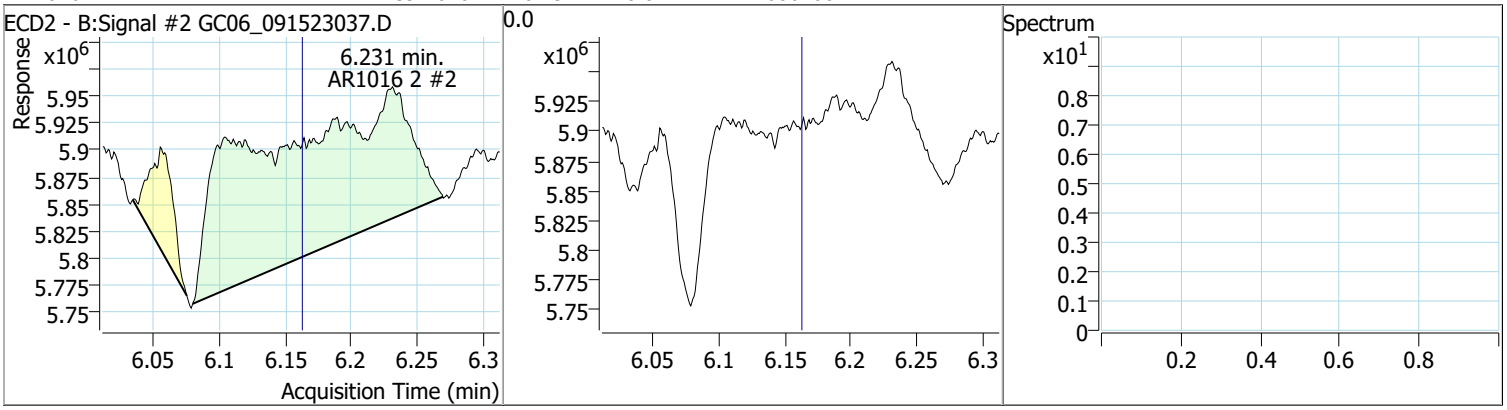
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	48.0124	5.76	0.01	583902				



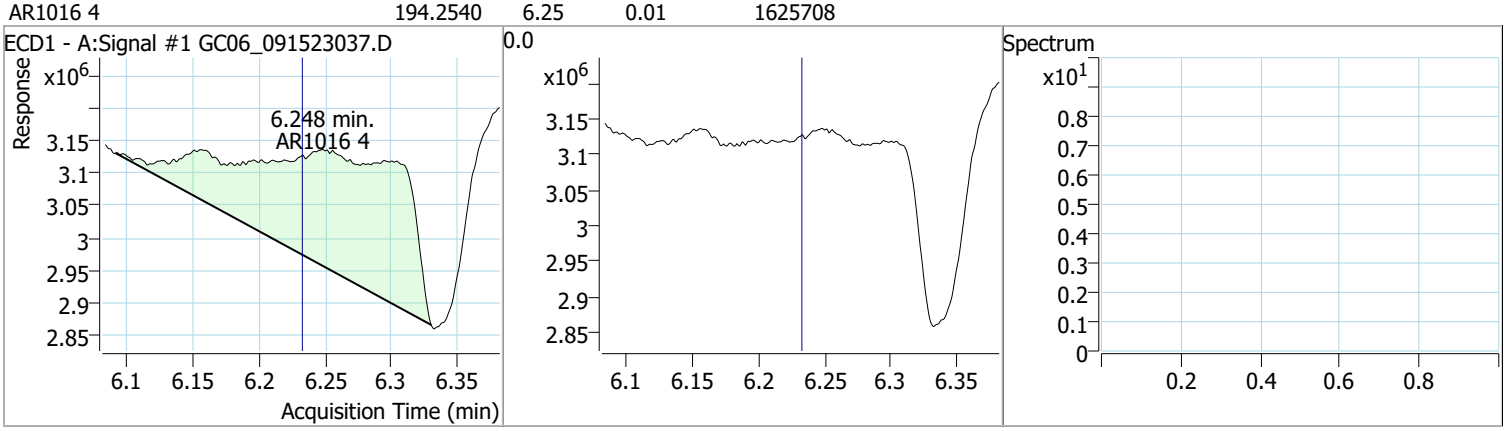
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	58.6731	6.05	-0.05	814674				



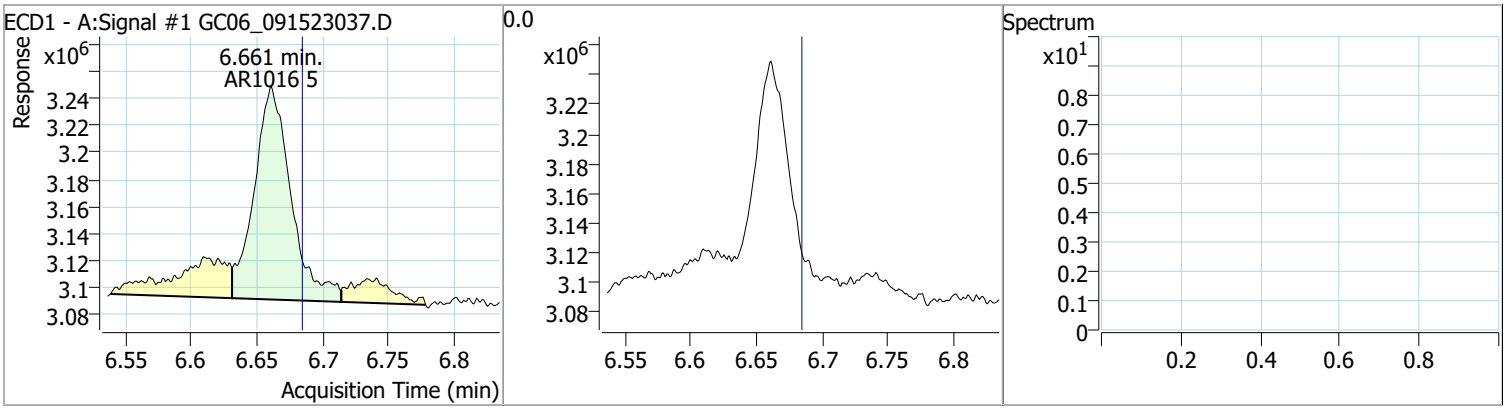
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	39.7676	6.23	0.07	1086408				



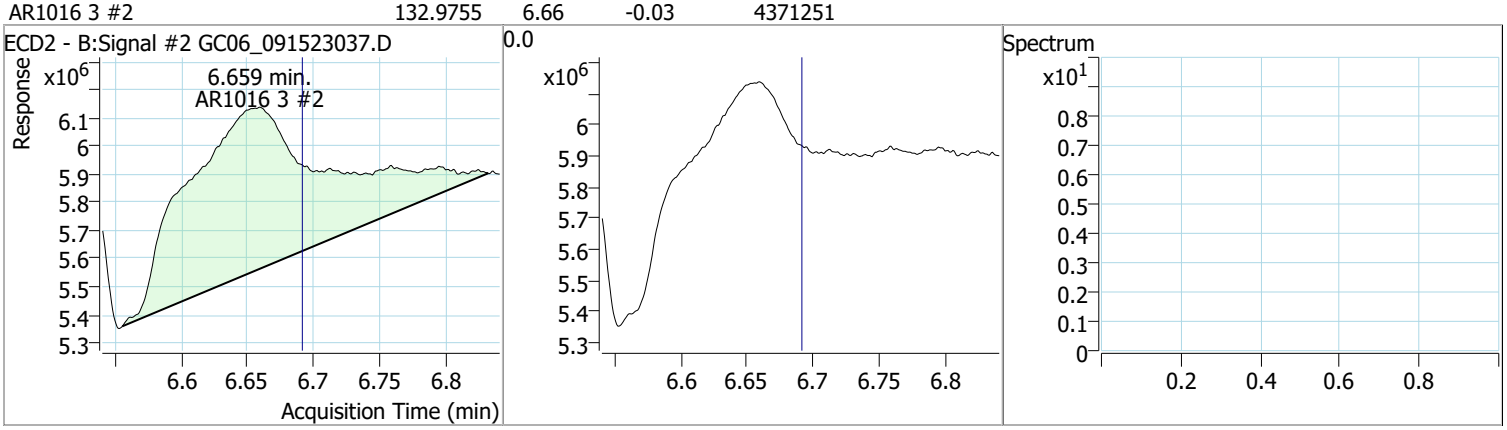
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	194.2540	6.25	0.01	1625708				



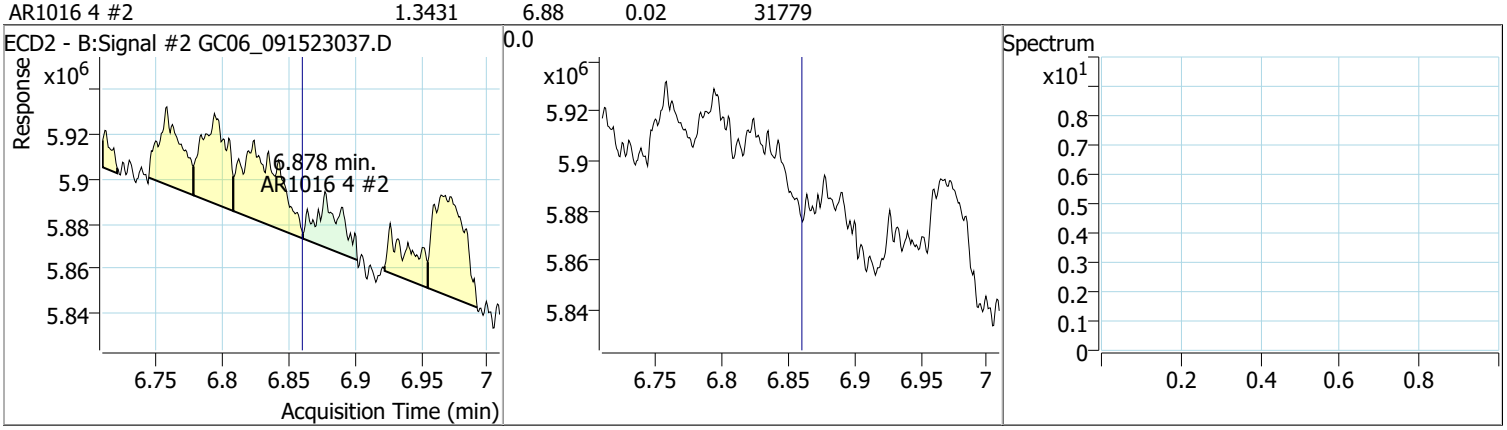
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	48.3769	6.66	-0.03	309643				



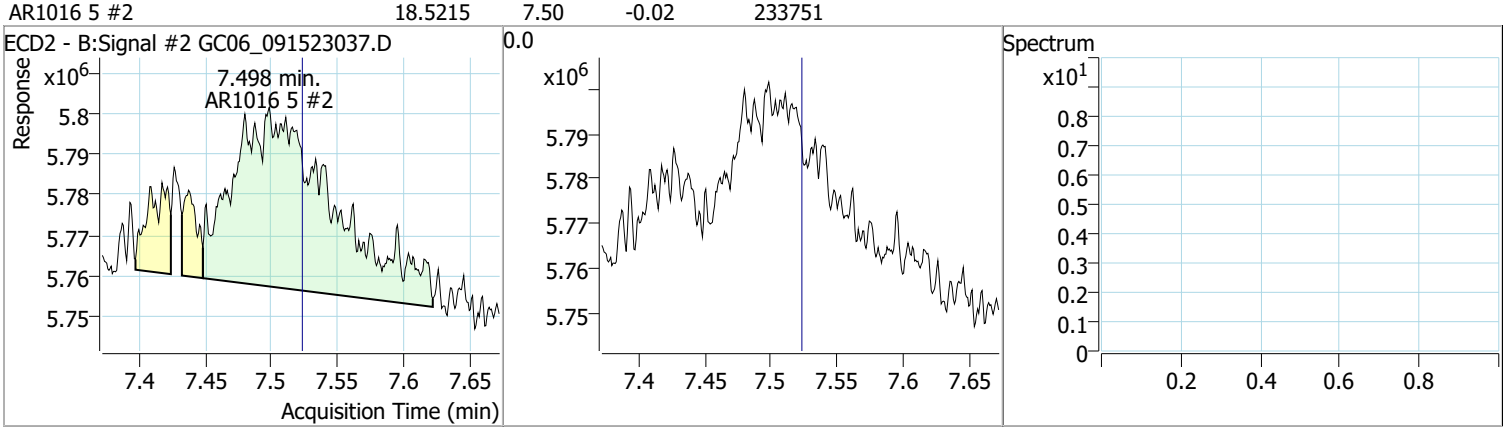
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	132.9755	6.66	-0.03	4371251				



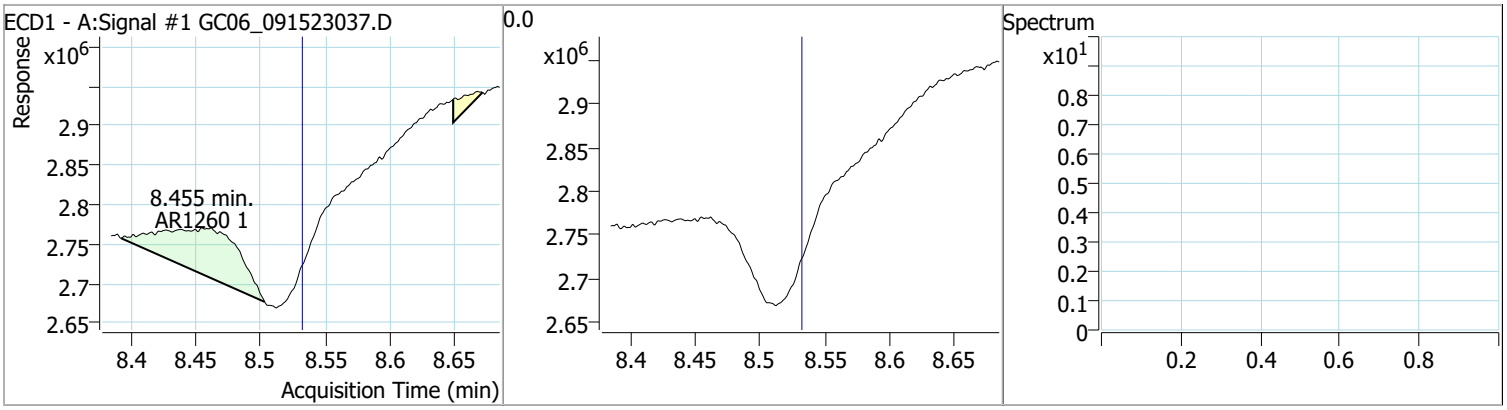
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.3431	6.88	0.02	31779				



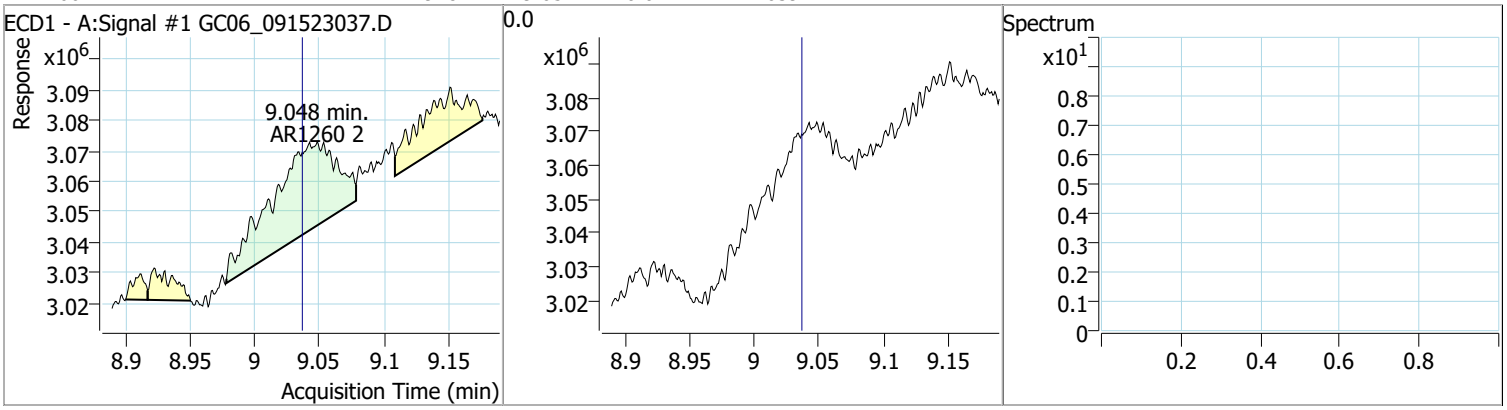
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	18.5215	7.50	-0.02	233751				



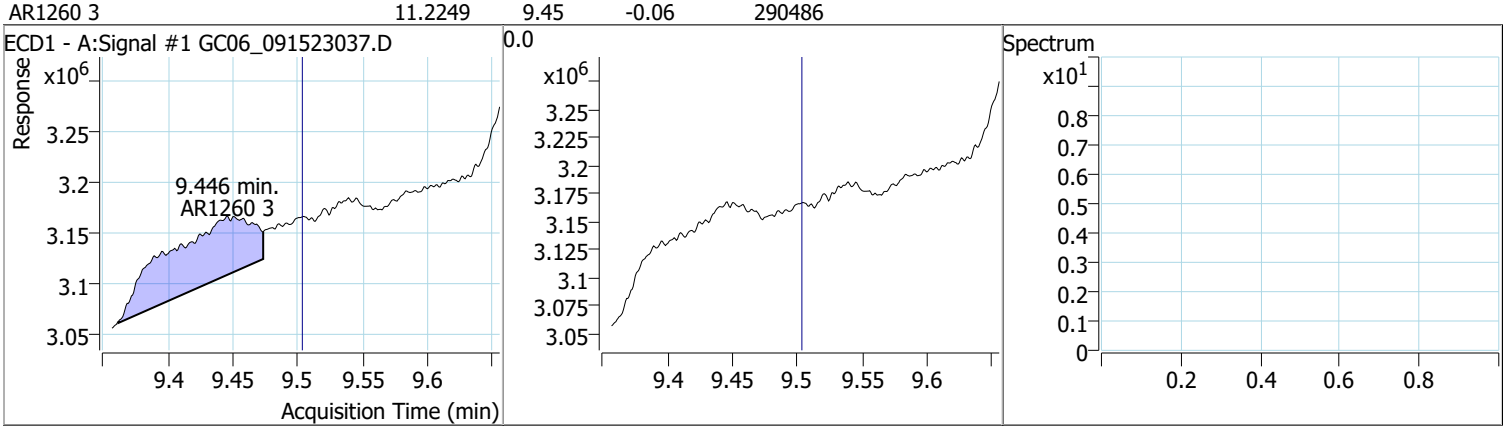
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	15.3922	8.46	-0.08	244192				



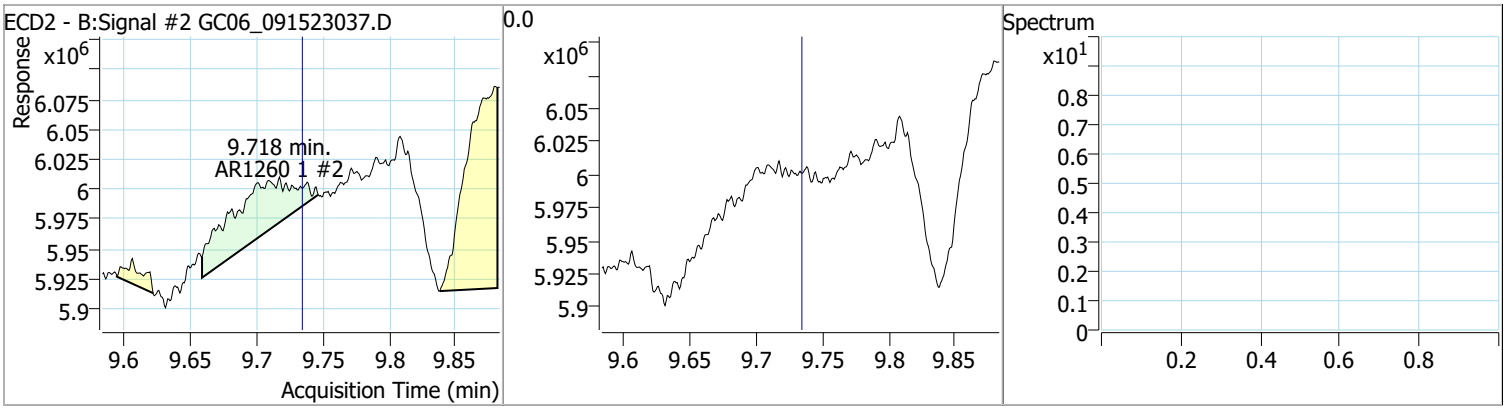
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.2918	9.05	0.01	103944				



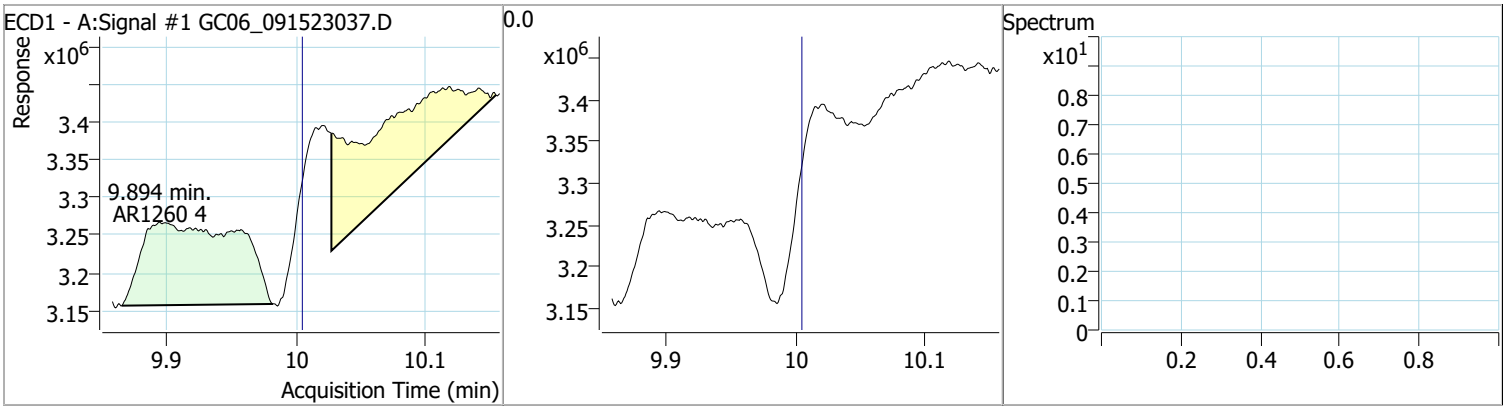
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	11.2249	9.45	-0.06	290486				



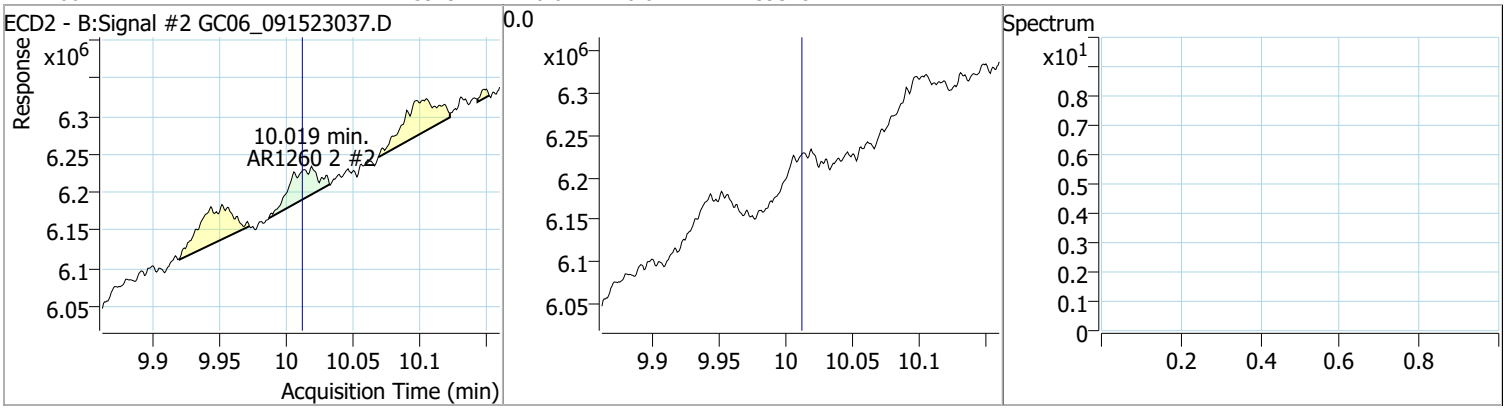
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.6337	9.72	-0.02	152578				



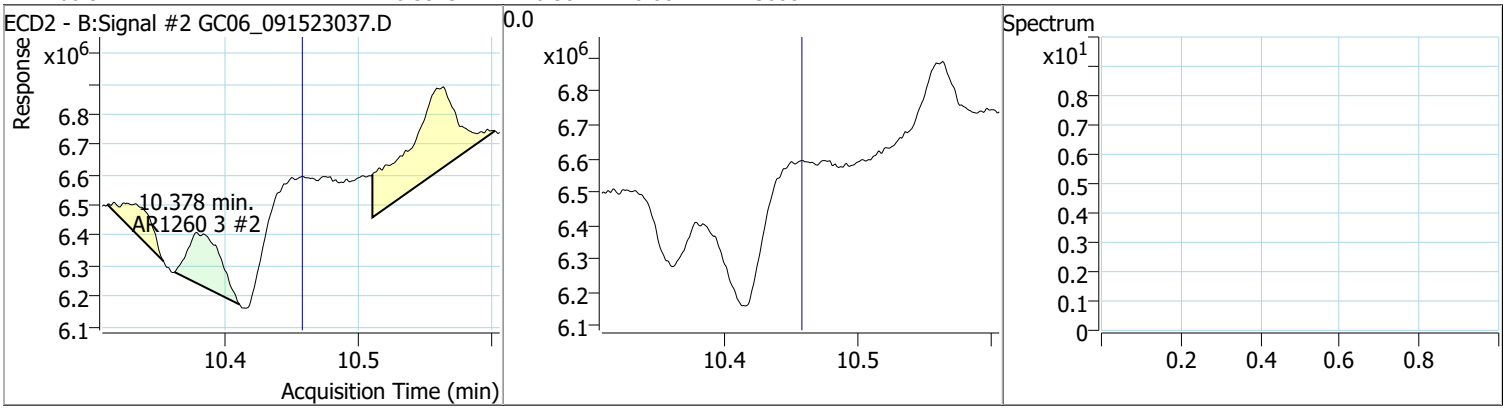
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	40.4910	9.89	-0.12	570890				



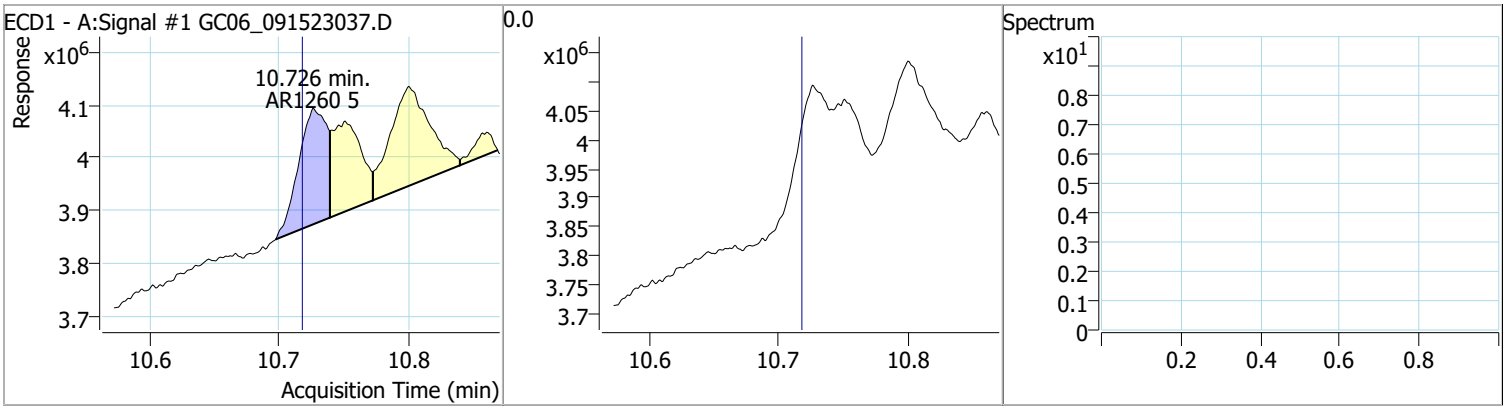
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.5979	10.02	0.01	59325				



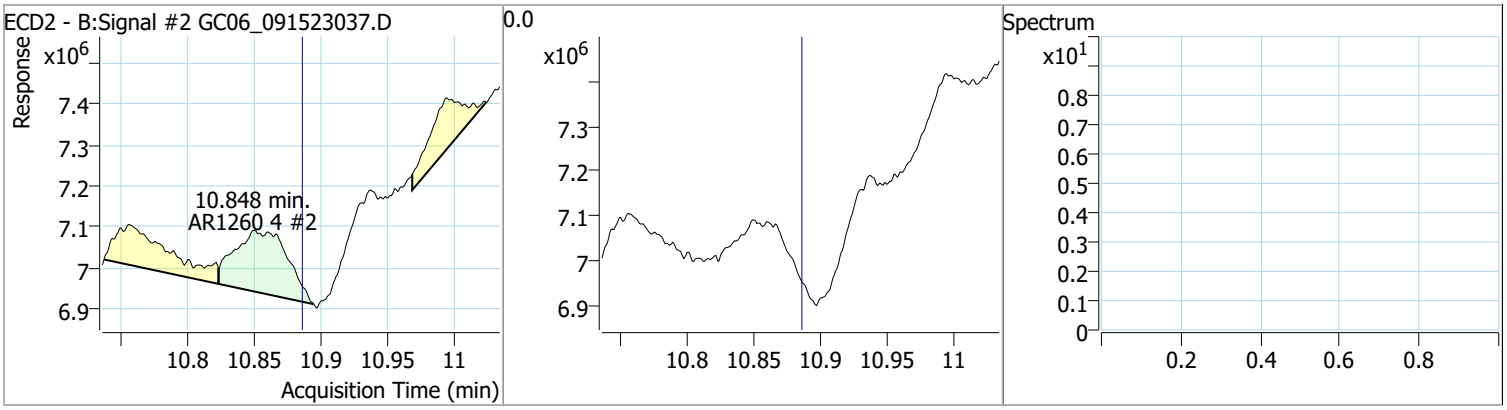
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.3323	10.38	-0.08	300847				



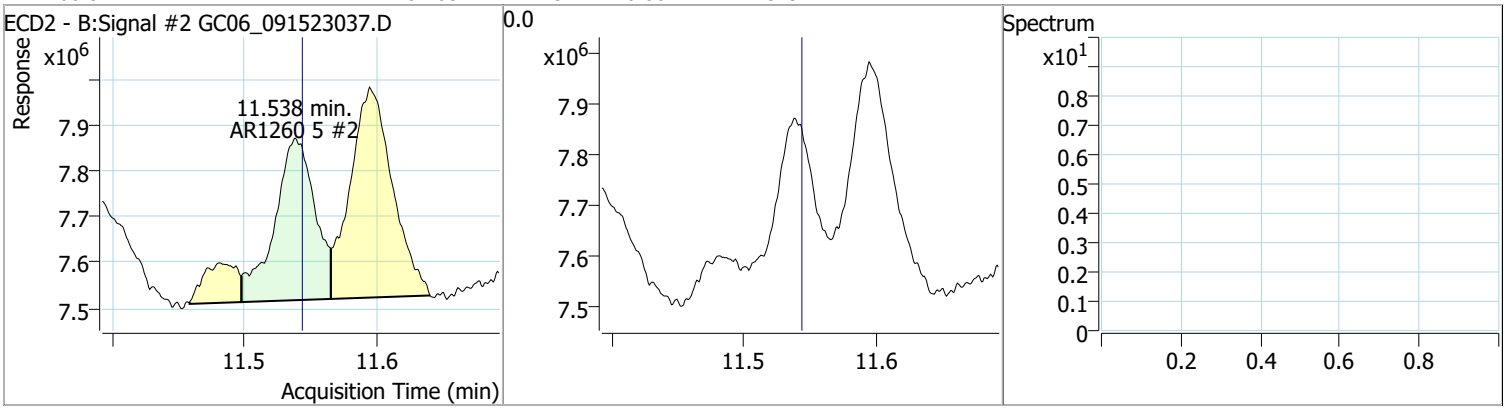
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	14.7433	10.73	0.00	328679				



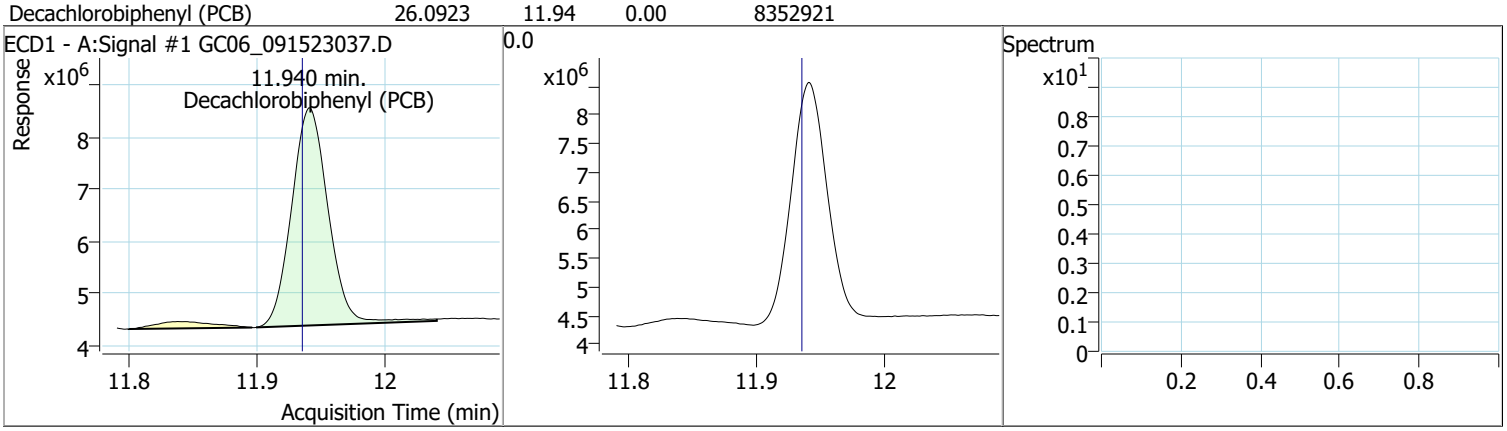
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	15.2044	10.85	-0.04	421929				



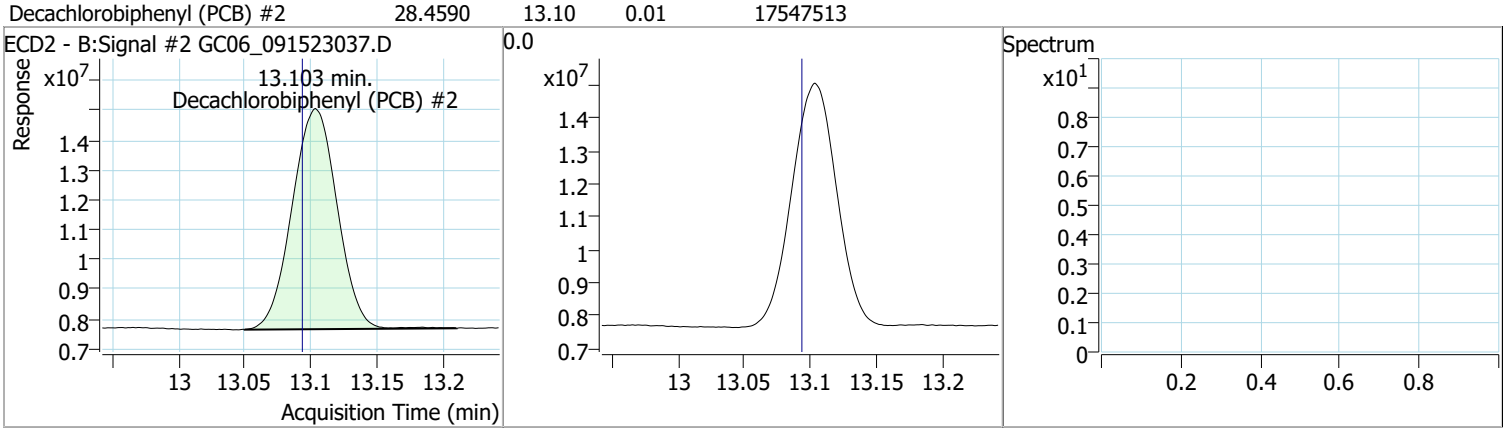
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	18.7684	11.54	0.00	754917				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.0923	11.94	0.00	8352921				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.4590	13.10	0.01	17547513				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-003	Client ID:	ARCH-C8W-LAT-L3-UP-C8.1-DG-230911-P-LA
Seqnum:	453372148038	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523038	Batch:	322492	Time:	15-SEP-2023 21:45
Cal:	453205686001	Caldate:	22-MAY-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	47.76	ND	0.75	44%	0.50		u
Aroclor-1016 Peak # 1	B	49.45	0.49	0.76	42%			
Aroclor-1016 Peak # 2	B	42.45	0.42	0.14	103%			
Aroclor-1016 Peak # 3	B	122.2	1.22	0.56	75%			
Aroclor-1016 Peak # 4	B	2.388	0.02	1.72	195%			
Aroclor-1016 Peak # 5	B	22.32	0.22	0.57	87%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	16.96	ND	0.30	57%	0.50		u
Aroclor-1260 Peak # 1	B	19.65	0.20	0.19	2%			
Aroclor-1260 Peak # 2	B	15.70	0.16	0.07	81%			
Aroclor-1260 Peak # 3	B	10.42	0.10	ND				
Aroclor-1260 Peak # 4	B	22.49	0.22	0.99	126%			
Aroclor-1260 Peak # 5	B	16.55	0.17	0.28	51%			
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	29.79	0.5000	0.2979	60	19-121	c- u
Decachlorobiphenyl (PCB)	B	26.48	0.5000	0.2648	53	19-121	u

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

ISTD (CCV gc06_091523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10054932	12557078	24.88
1-bromo-2-nitrobenzene (PCB)	A	3904319	5092712	30.44

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

ISTD (CCV gc06_091523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

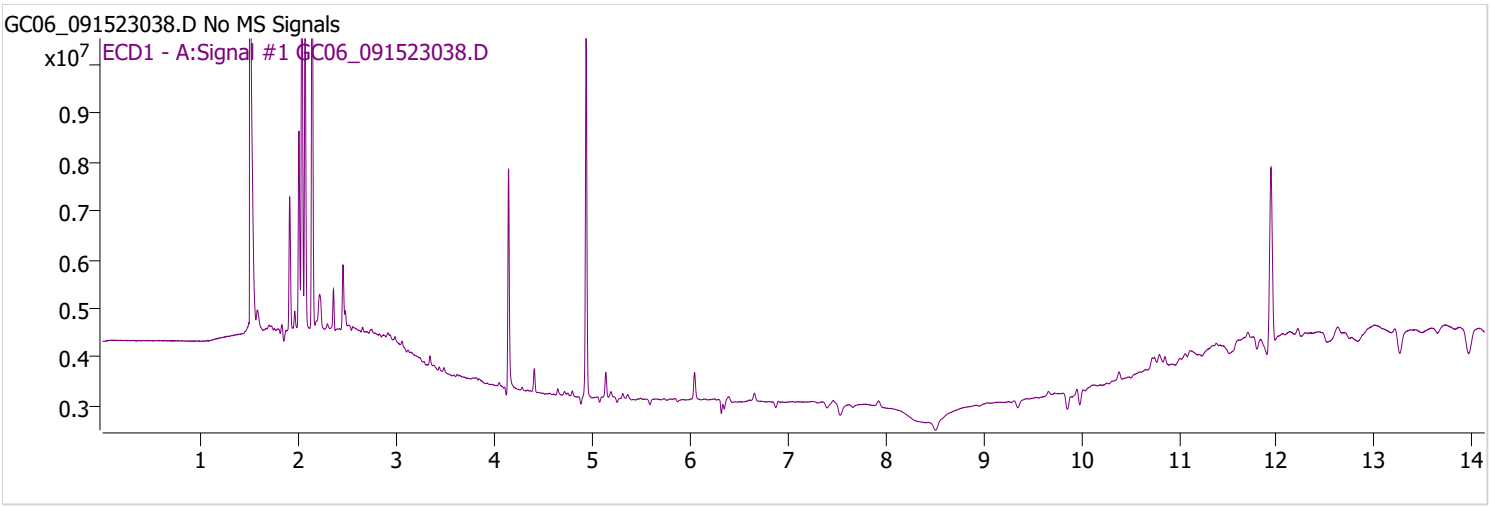
09/18/23 : WIPE/1S-10ML

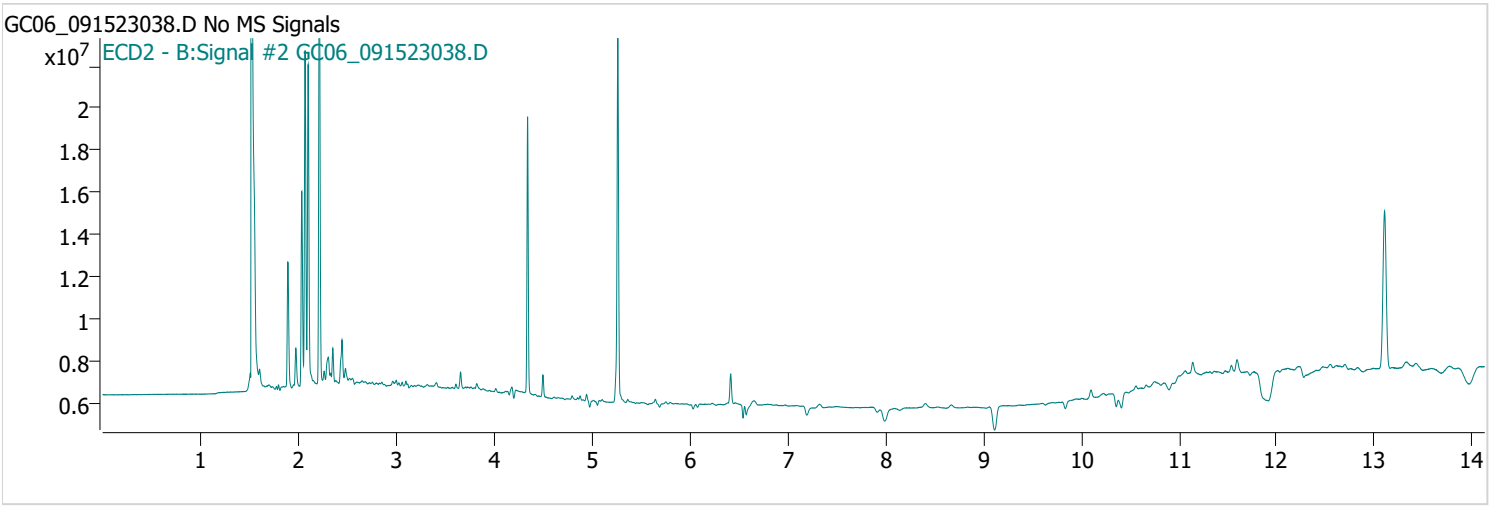
-=low bias c=CCV u=use

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523038.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/15/2023 9:45:40 PM
Sample Name	492059-003, 322492, 1	Instrument	SVOA-GC06
Vial	35	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



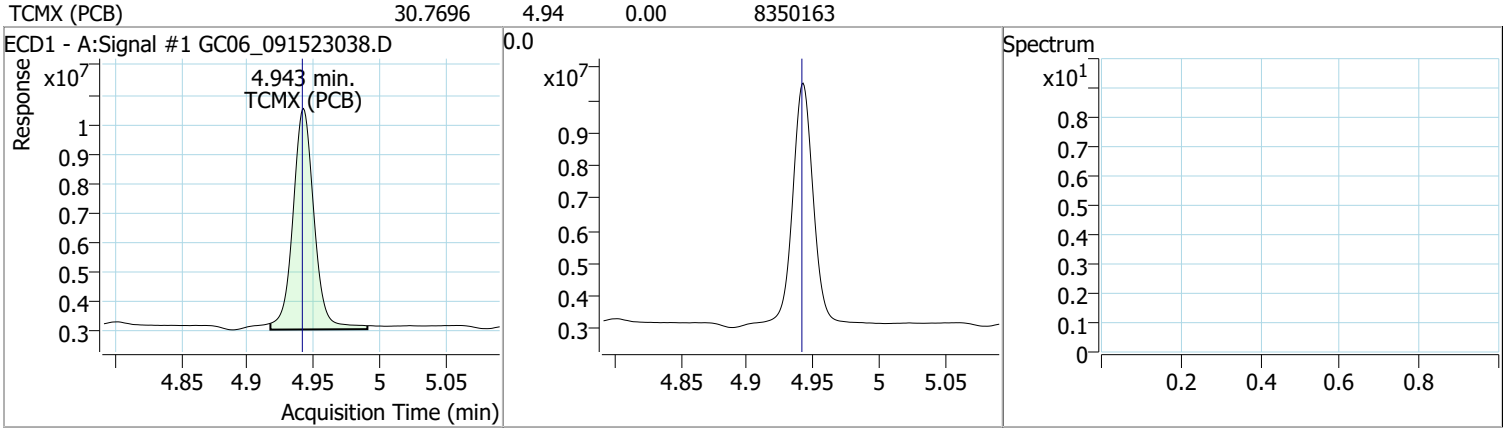


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	5092711.934	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	12557078.306	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8350162.749	30.7696	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.85%		*	
S TCMX (PCB) #2	5.266	0.0	19843448.813	29.7907	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.95%			
S Decachlorobiphenyl (PCB)	11.941	0.0	7491302.444	22.0441	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 110.22%			
S Decachlorobiphenyl (PCB) #2	13.102	0.0	17559438.989	26.4798	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.40%			
Target Compounds							QValue

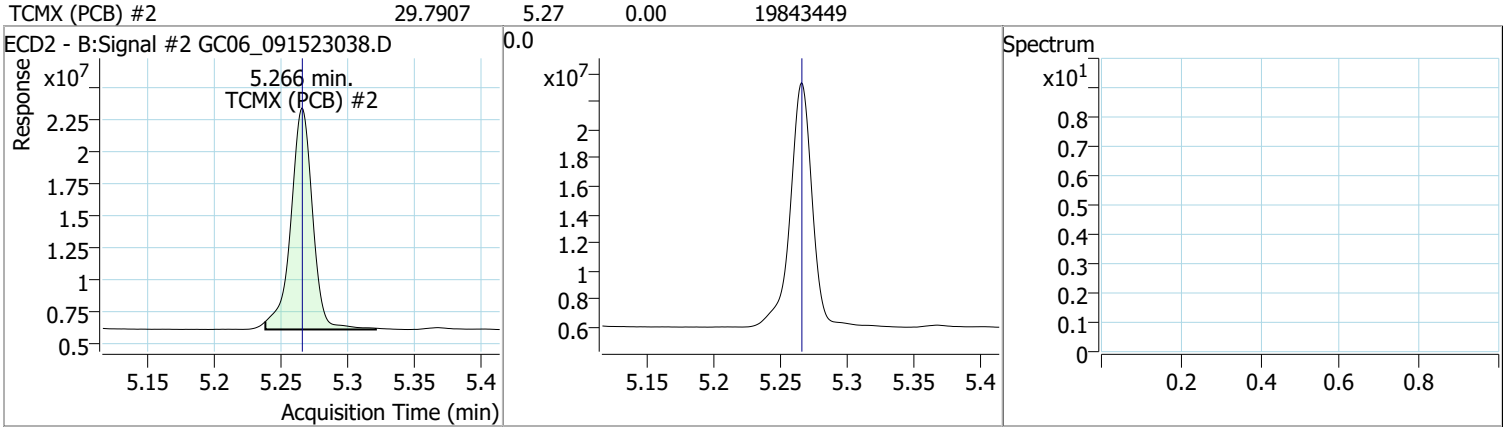
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.317	0.0	429403.612	75.5964	ng/ml	100
T AR1016 2	5.559	0.0	156027.036	13.5300	ng/ml	100
T AR1016 1 #2	5.756	0.0	646732.377	49.4468	ng/ml	100
T AR1016 3	6.050	0.0	820248.838	55.6496	ng/ml	100
T AR1016 2 #2	6.236	0.0	1247332.256	42.4541	ng/ml	100
T AR1016 4	6.258	0.0	1528338.125	172.0316	ng/ml	100
T AR1016 5	6.661	0.0	385713.482	56.7680	ng/ml	100
T AR1016 3 #2	6.658	0.0	4319214.505	122.1718	ng/ml	100
T AR1016 4 #2	6.884	0.0	60760.179	2.3879	ng/ml	100
T AR1016 5 #2	7.487	0.0	302982.770	22.3224	ng/ml	100
T AR1260 1	8.438	0.0	324323.103	19.2578	ng/ml	100
T AR1260 2	9.045	0.0	170892.176	6.6470	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.706	0.0	695873.150	19.6500	ng/ml	100
T AR1260 4	9.958	0.0	1477729.746	98.7330	ng/ml	100
T AR1260 2 #2	10.009	0.0	626894.932	15.7006	ng/ml	100
T AR1260 3 #2	10.382	0.0	532567.351	10.4229	ng/ml	100
T AR1260 5	10.750	0.0	658818.168	27.8388	ng/ml	100
T AR1260 4 #2	10.852	0.0	671287.045	22.4926	ng/ml	100
T AR1260 5 #2	11.538	0.0	715758.352	16.5460	ng/ml	100

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

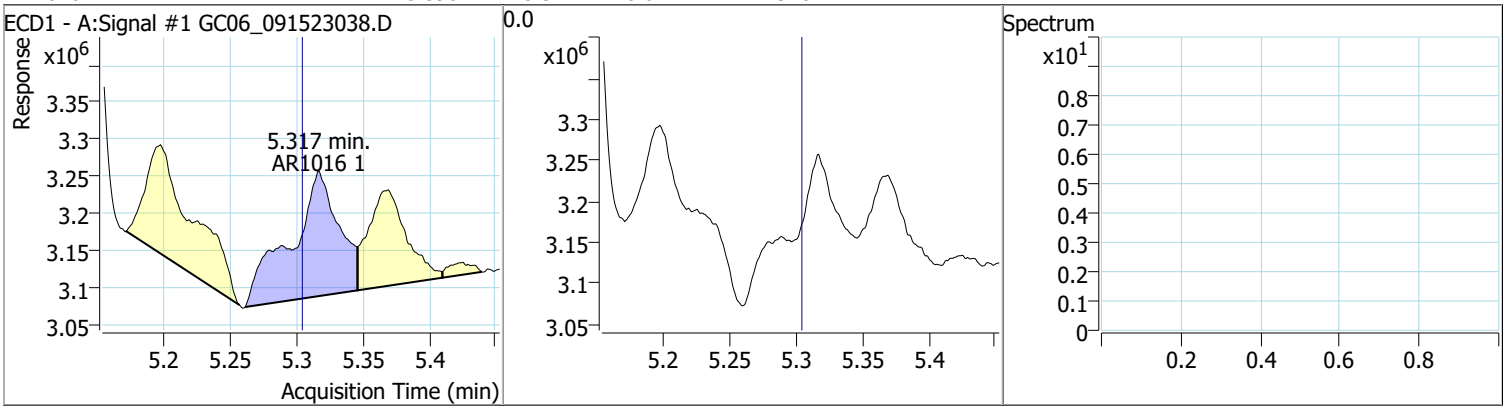
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.7696	4.94	0.00	8350163				



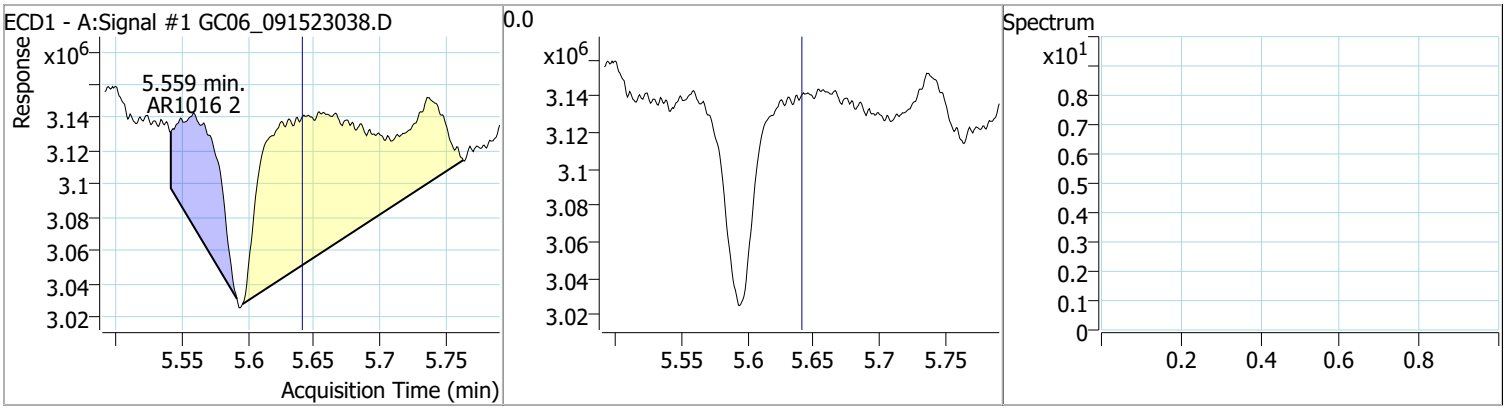
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.7907	5.27	0.00	19843449				



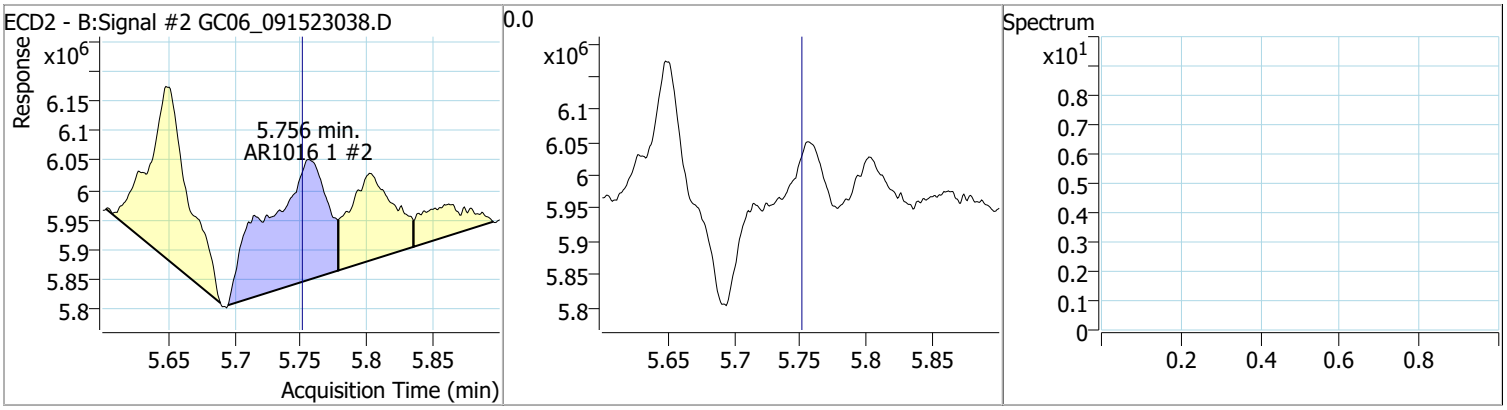
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	75.5964	5.32	0.01	429404				



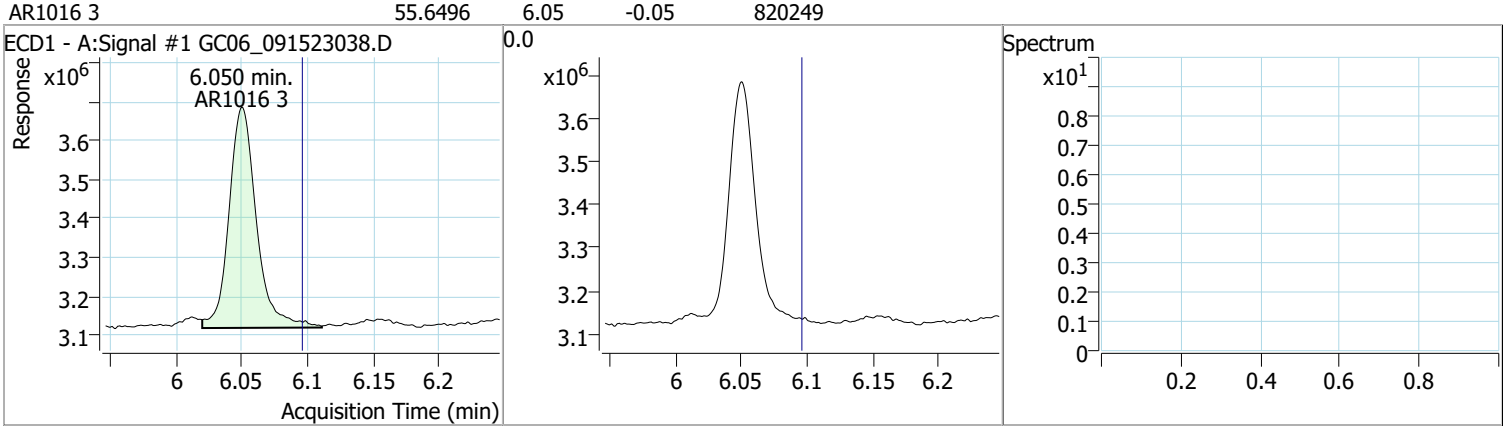
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	13.5300	5.56	-0.08	156027				



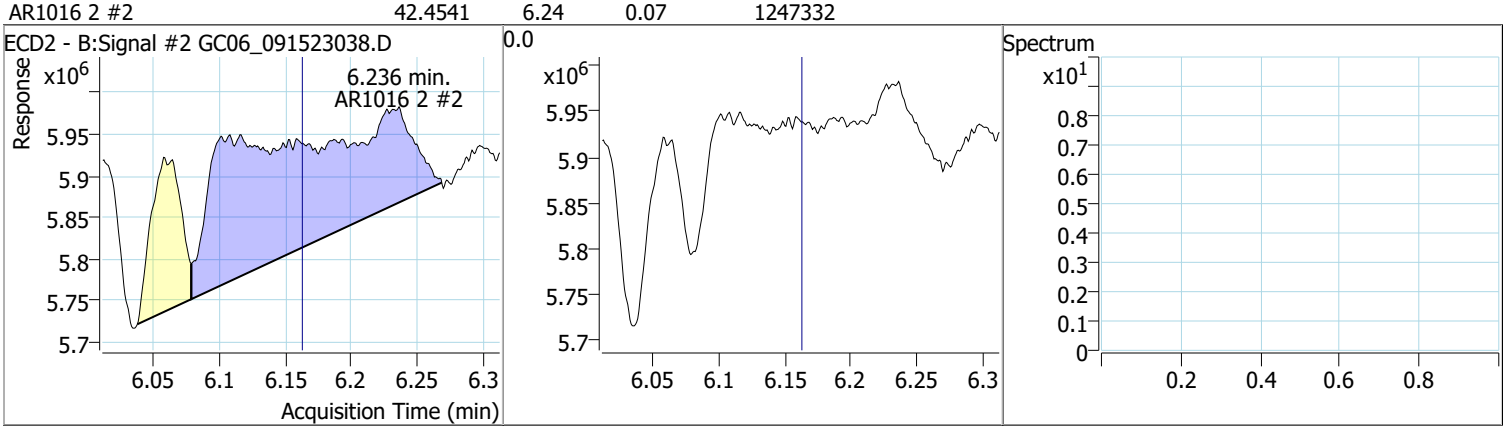
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	49.4468	5.76	0.01	646732				



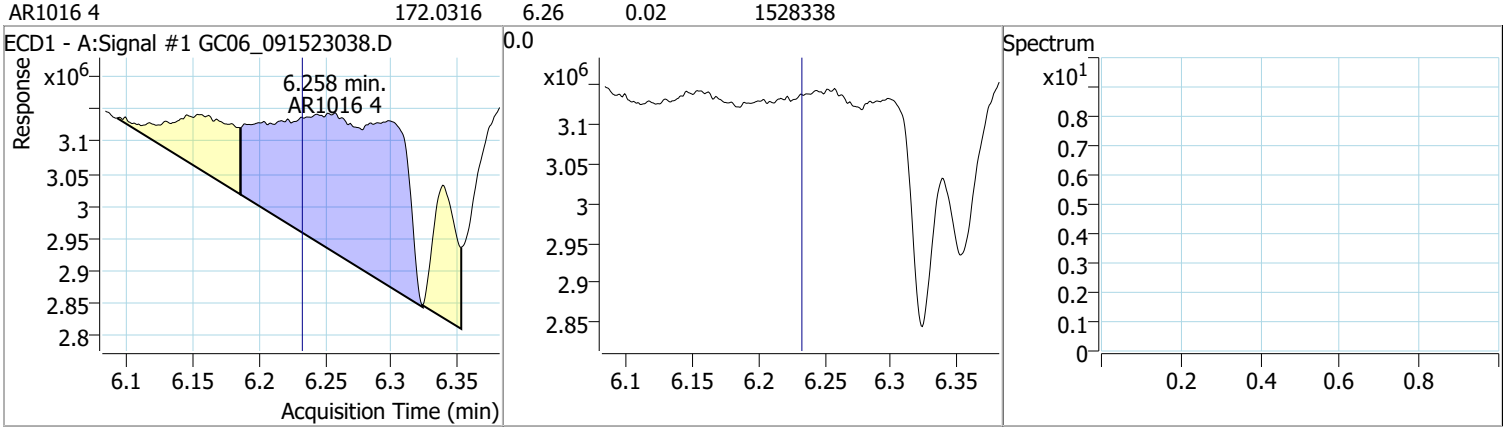
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	55.6496	6.05	-0.05	820249				



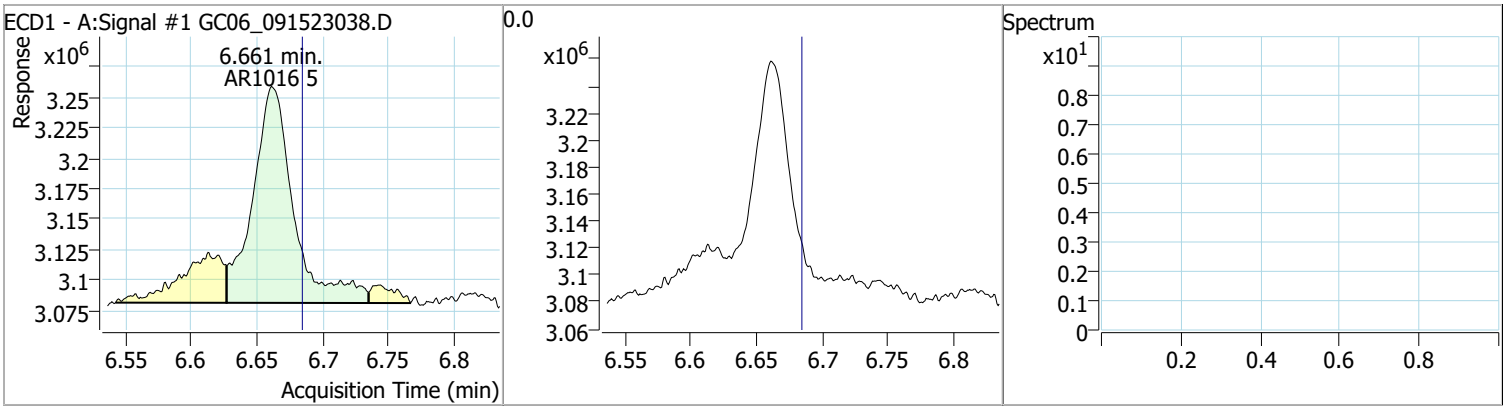
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	42.4541	6.24	0.07	1247332				



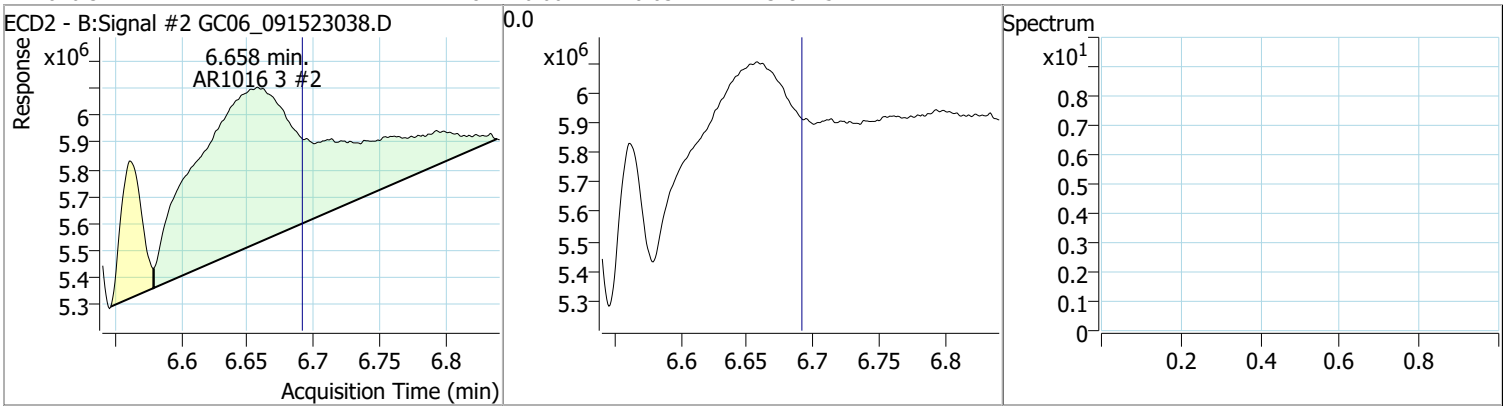
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	172.0316	6.26	0.02	1528338				



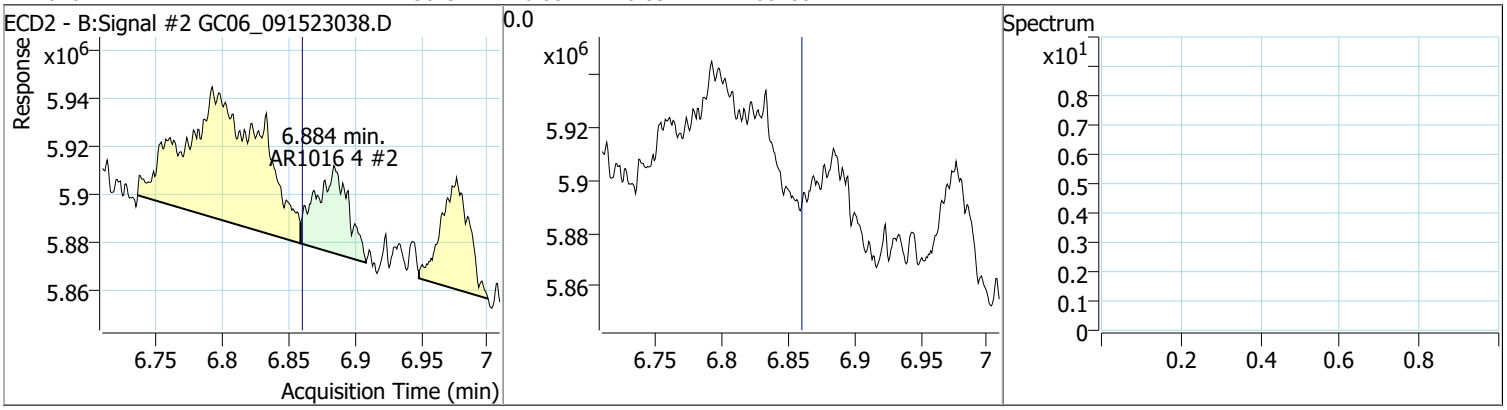
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	56.7680	6.66	-0.03	385713				



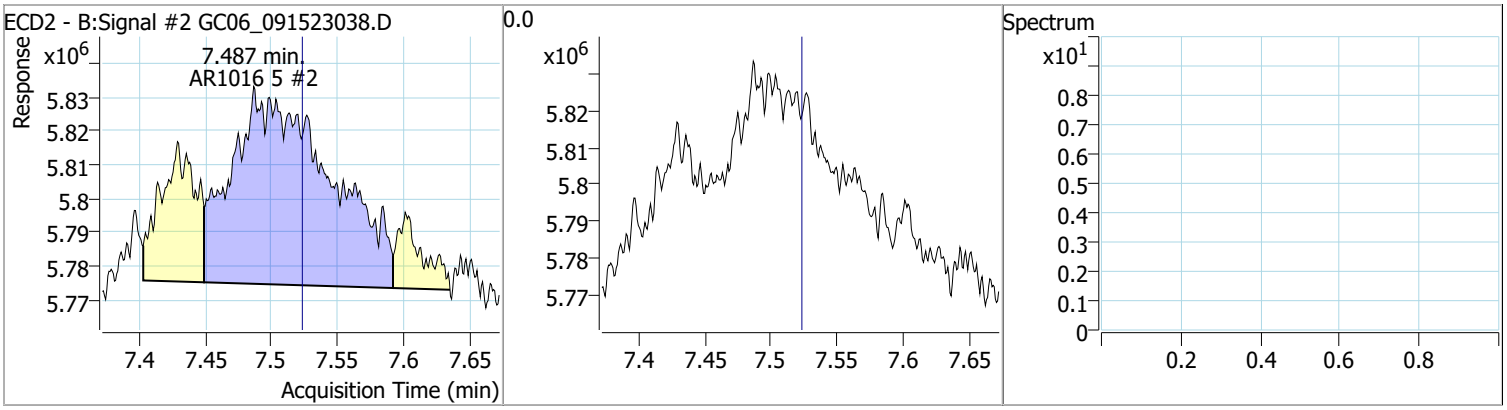
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	122.1718	6.66	-0.03	4319215				



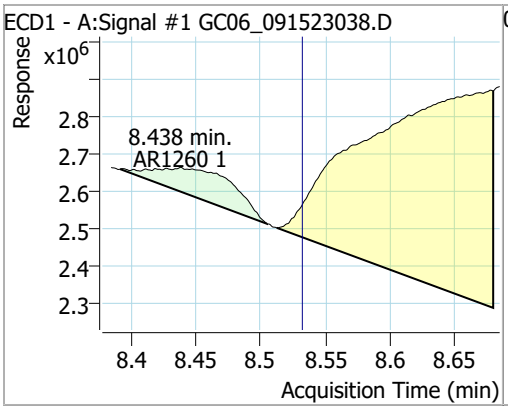
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.3879	6.88	0.03	60760				

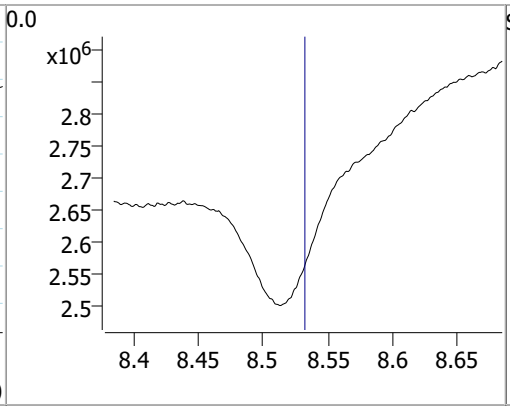


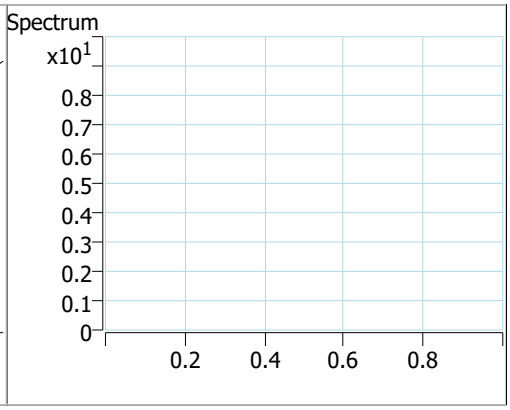
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.3224	7.49	-0.04	302983				



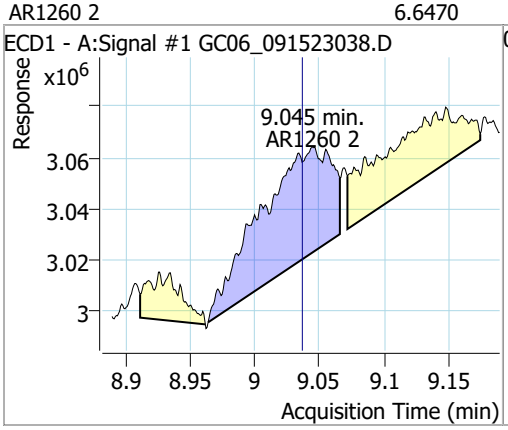
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	19.2578	8.44	-0.10	324323				

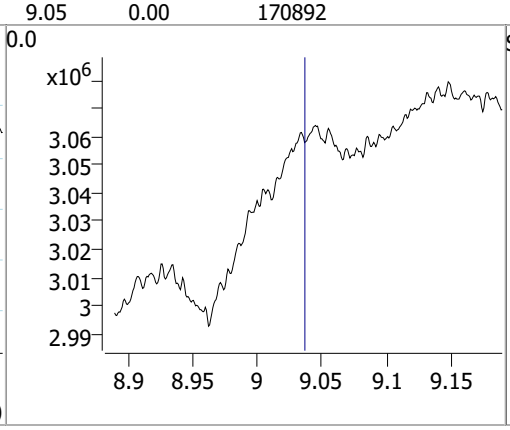


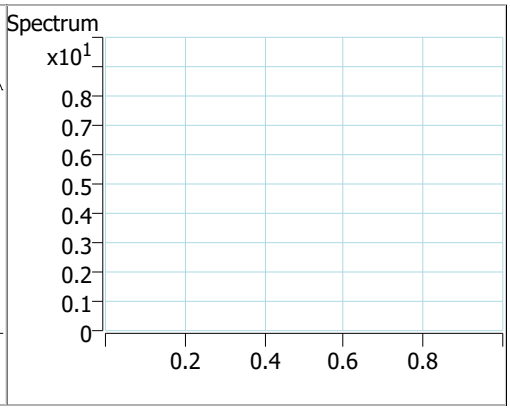




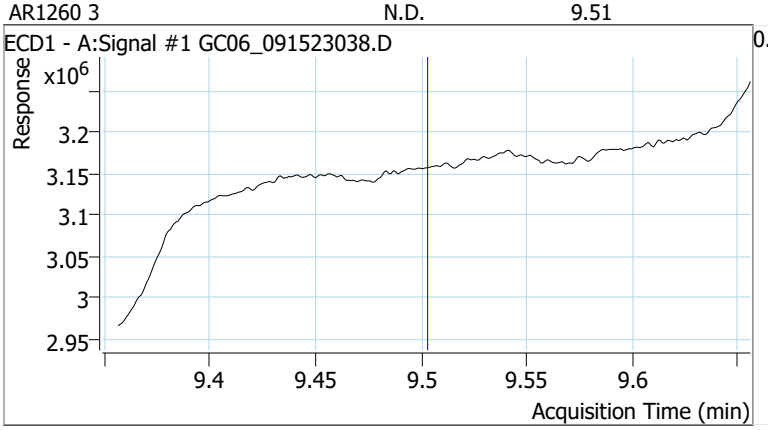
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	6.6470	9.05	0.00	170892				

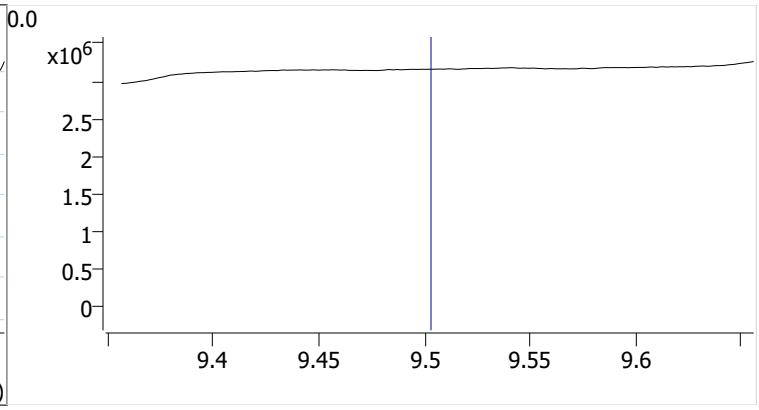




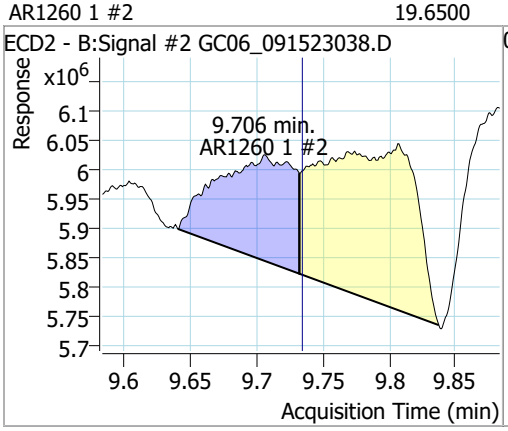


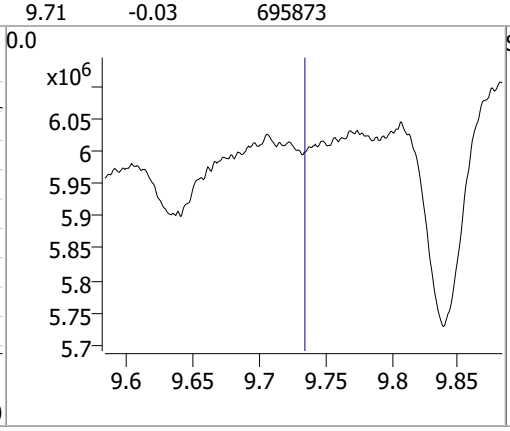
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.51		

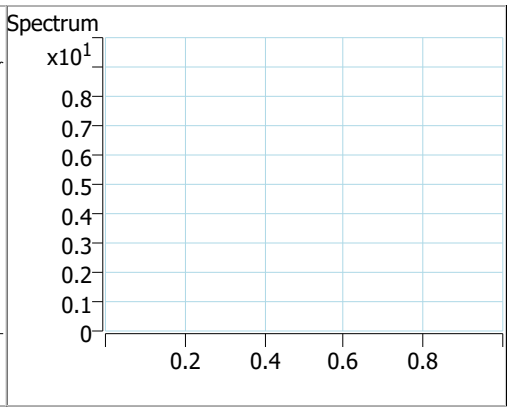




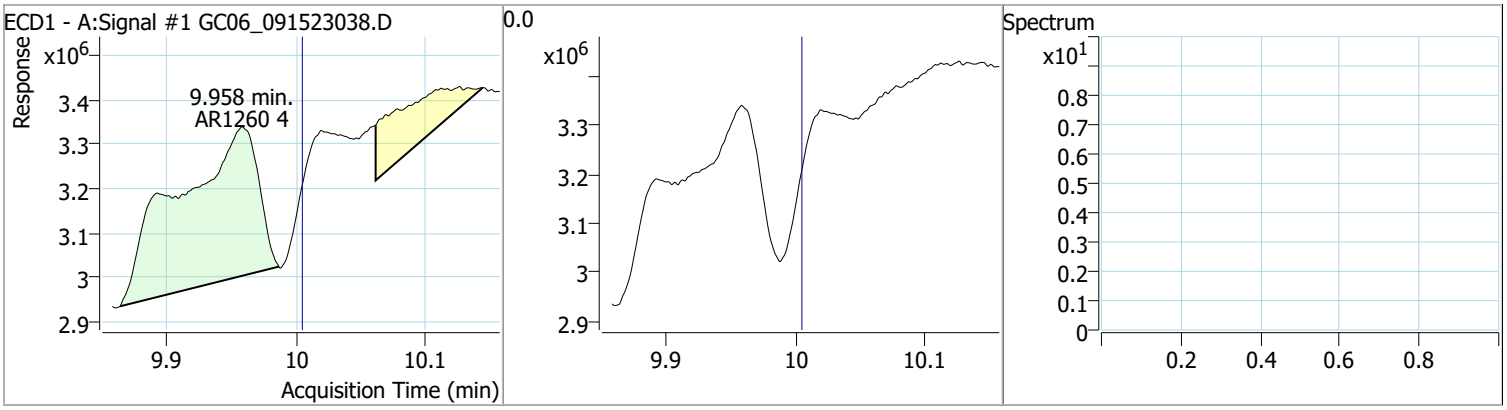
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	19.6500	9.71	-0.03	695873				



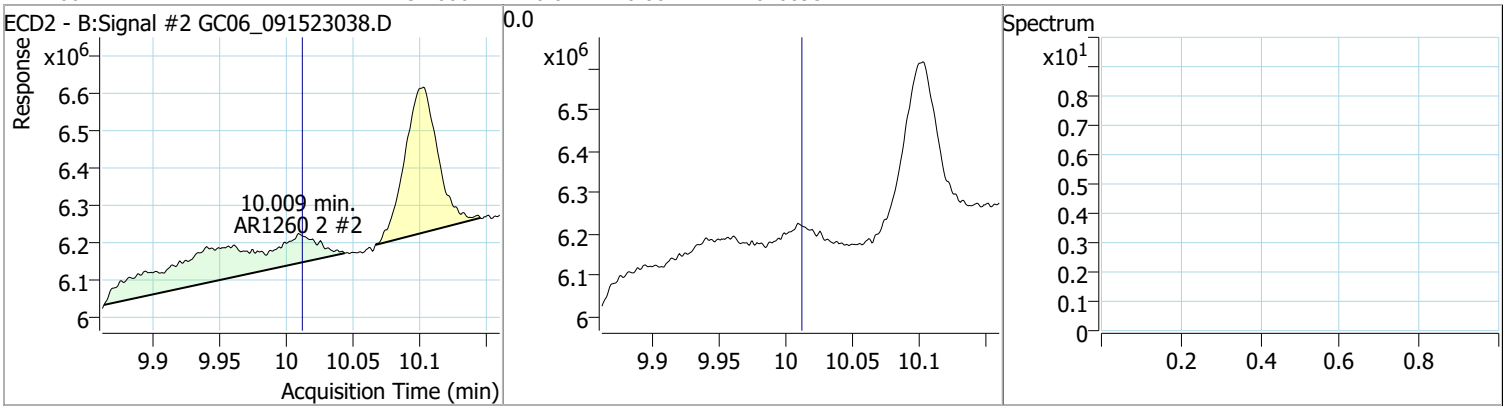




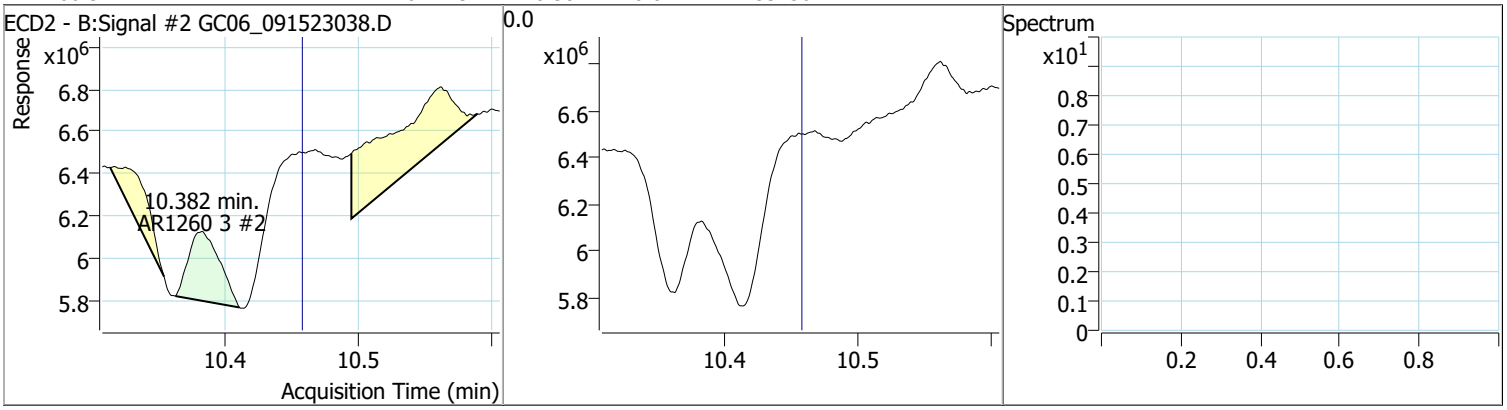
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	98.7330	9.96	-0.05	1477730				



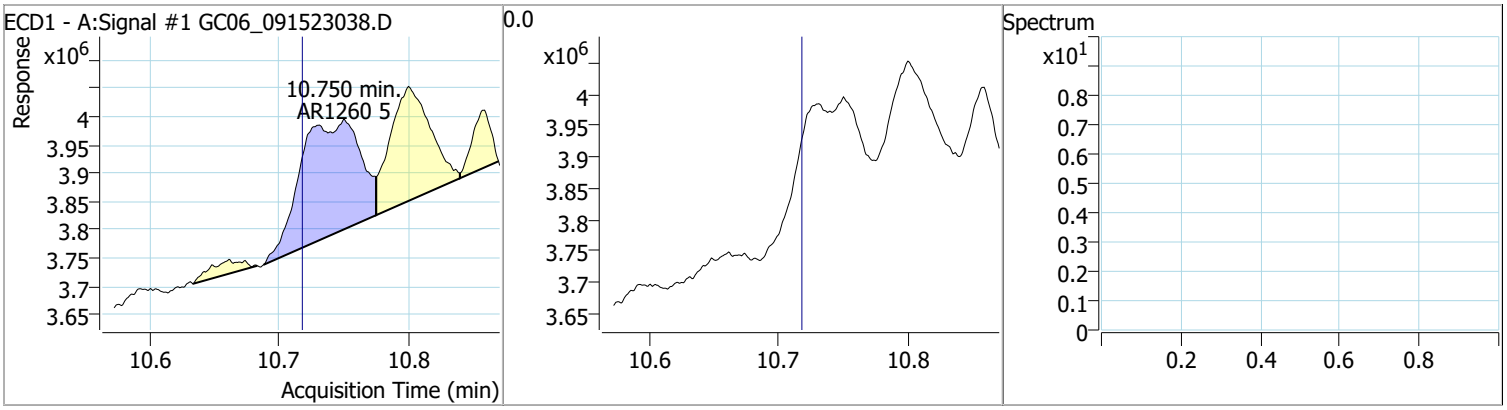
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	15.7006	10.01	0.00	626895				



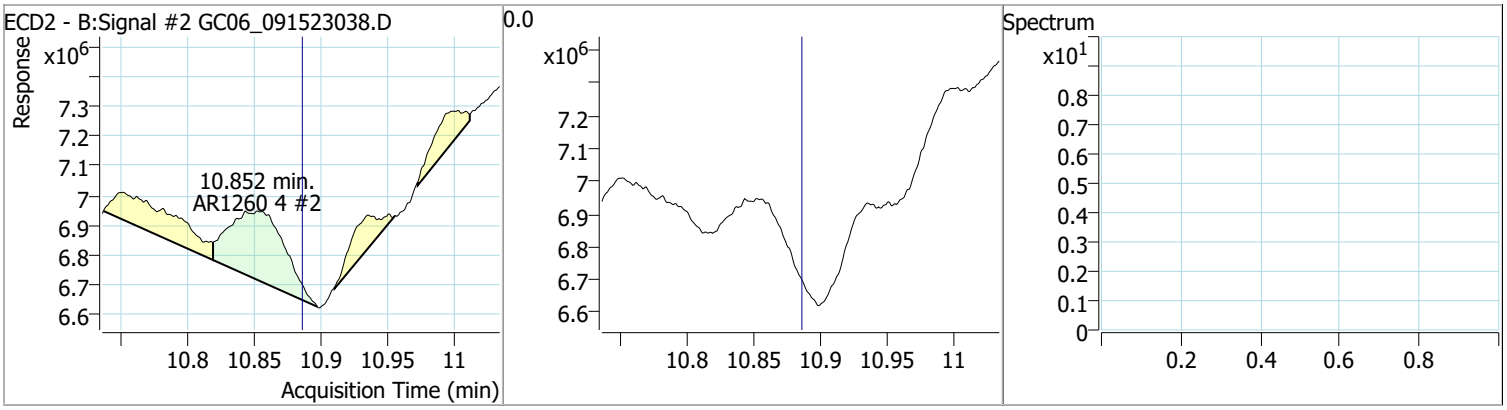
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.4229	10.38	-0.07	532567				



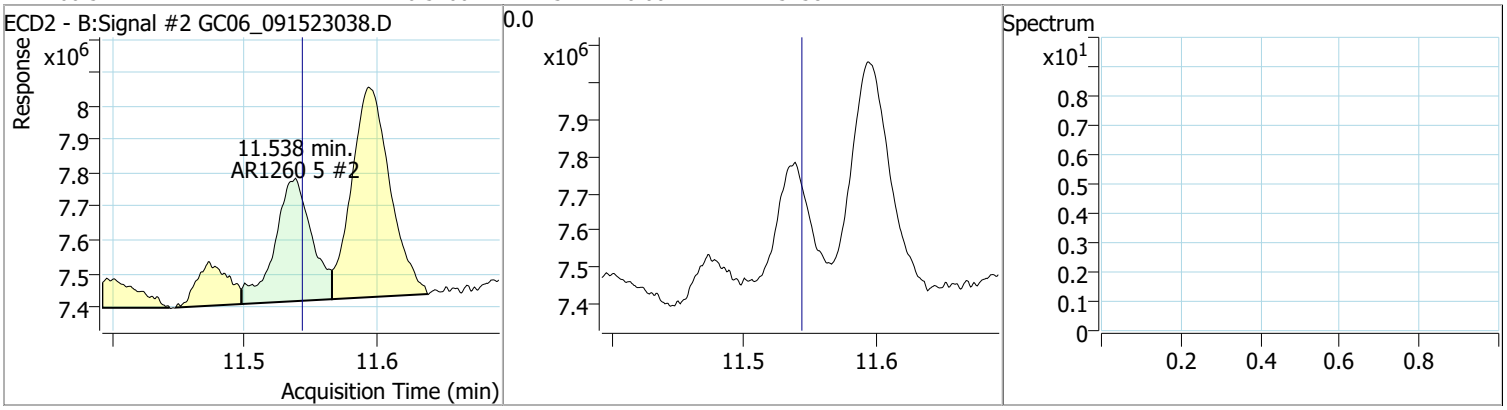
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	27.8388	10.75	0.03	658818				



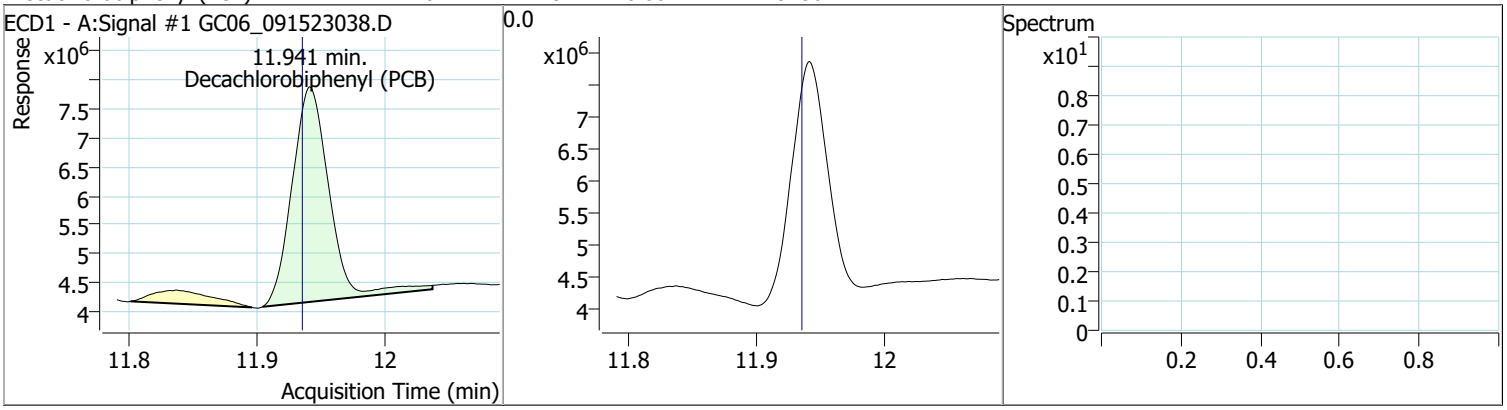
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	22.4926	10.85	-0.03	671287				



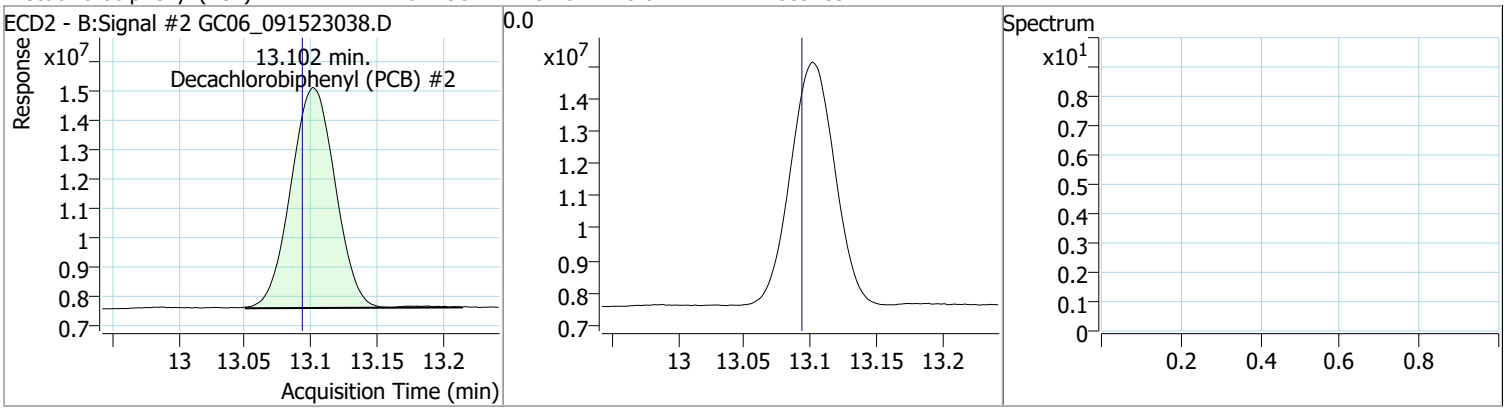
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.5460	11.54	0.00	715758				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	22.0441	11.94	0.00	7491302				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.4798	13.10	0.01	17559439				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-005	Client ID:	ARCH-C9W-LAT-L3-EXT-1 TO 2-230911-P-WF
Seqnum:	453372148039	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523039	Batch:	322492	Time:	15-SEP-2023 22:04
Cal:	453205686001	Caldate:	22-MAY-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	61.94	~~0.62~~ ~~FP~~	0.78	23%	0.50		x u
Aroclor-1016 Peak # 1	B	70.69	0.71	0.69	2%			
Aroclor-1016 Peak # 2	B	41.15	0.41	0.26	45%			
Aroclor-1016 Peak # 3	B	133.8	1.34	0.71	61%			
Aroclor-1016 Peak # 4	B	11.59	0.12	1.70	174%			
Aroclor-1016 Peak # 5	B	52.46	0.52	0.53	1%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	27.95	ND	0.21	27%	0.50		u
Aroclor-1260 Peak # 1	B	9.261	0.09	0.01	149%			
Aroclor-1260 Peak # 2	B	3.539	0.04	0.17	131%			
Aroclor-1260 Peak # 3	B	16.92	0.17	ND				
Aroclor-1260 Peak # 4	B	65.55	0.66	0.35	61%			
Aroclor-1260 Peak # 5	B	44.46	0.44	0.53	18%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	28.67	0.5000	0.2867	57	19-121	c- u
Decachlorobiphenyl (PCB)	B	27.45	0.5000	0.2745	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, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_091523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10054932	11835810	17.71
1-bromo-2-nitrobenzene (PCB)	A	3904319	4852064	24.27

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_091523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

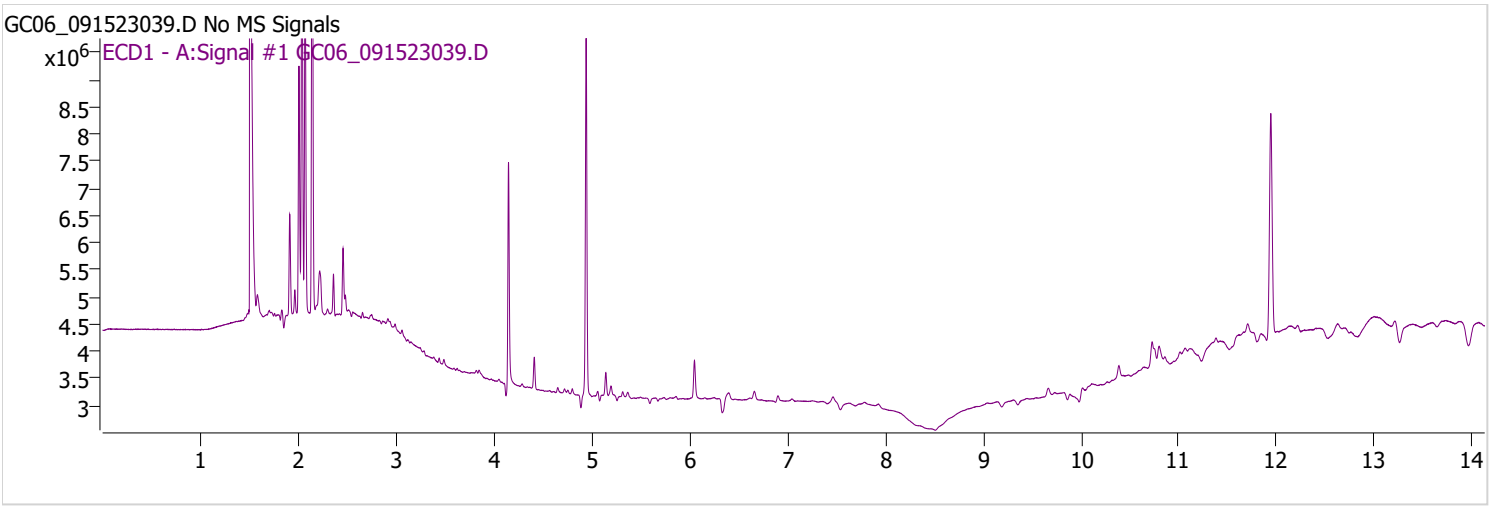
09/18/23 : WIPE/1S-10ML

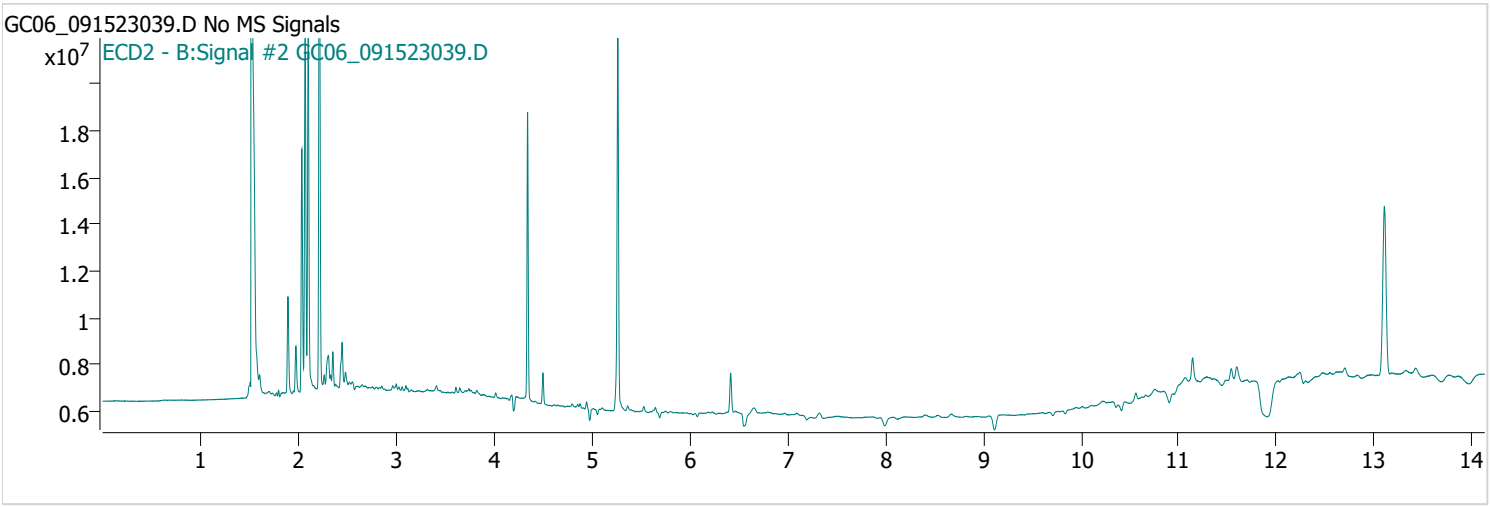
-=low bias c=CCV u=use x=false positive

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523039.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/15/2023 10:04:19 PM
Sample Name	492059-005, 322492, 1	Instrument	SVOA-GC06
Vial	36	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



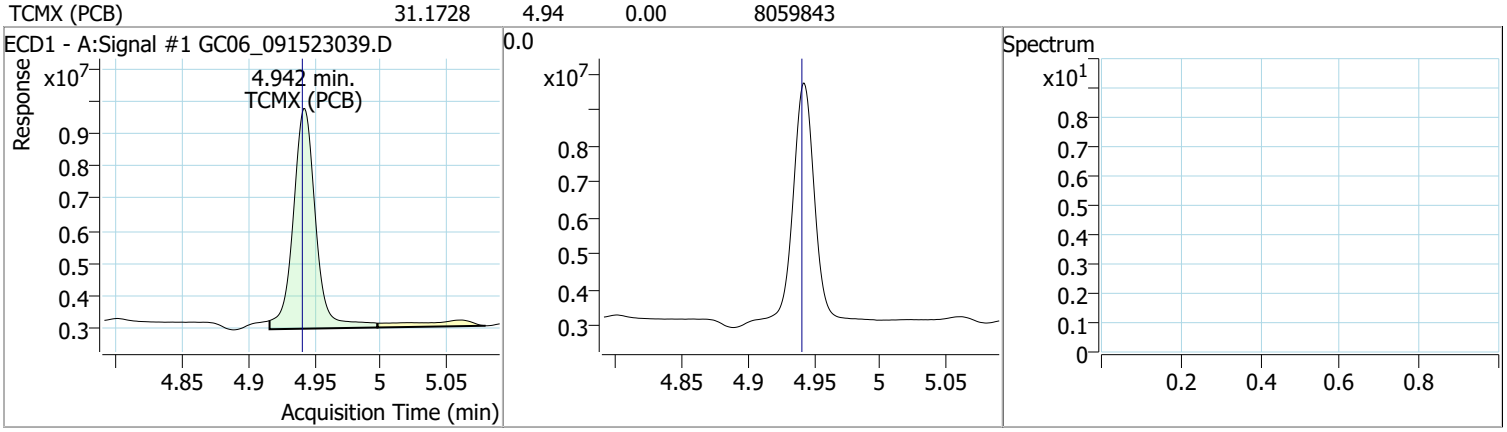


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.148	0.0	4852063.803	20.0000	ng/ml		-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	11835809.733	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.942	0.0	8059843.005	31.1728	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.86%		*	
S TCMX (PCB) #2	5.266	0.0	18001628.495	28.6726	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.36%			
S Decachlorobiphenyl (PCB)	11.940	0.0	7948788.739	24.5504	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 122.75%			
S Decachlorobiphenyl (PCB) #2	13.101	0.0	17157344.696	27.4502	ng/ml		0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 137.25%			
Target Compounds							QValue

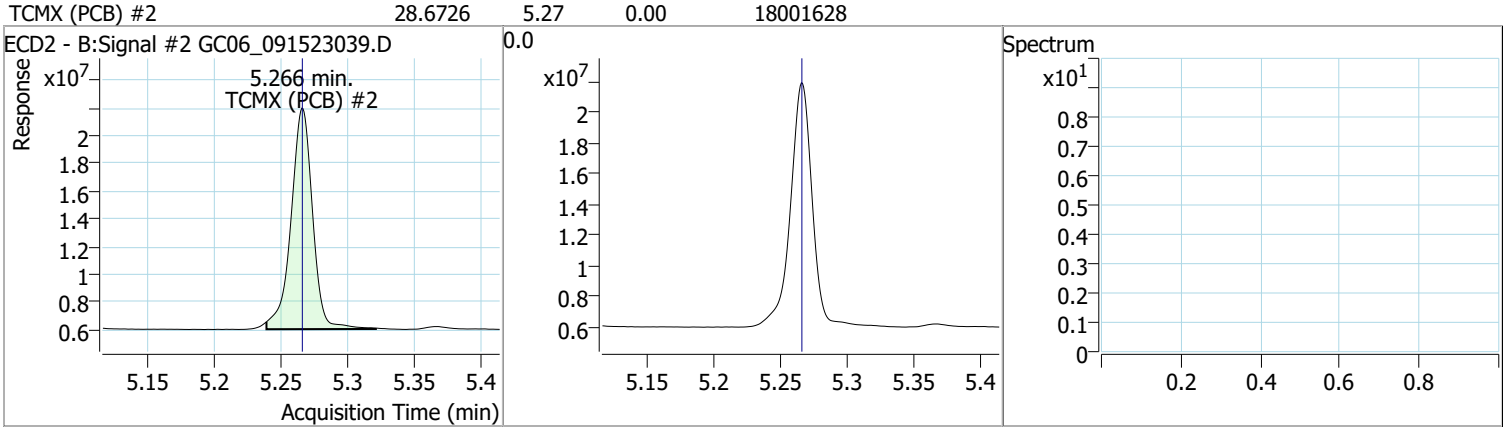
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.316	0.0	375469.506	69.3798	ng/ml	100
T AR1016 2	5.650	0.0	285650.126	25.9989	ng/ml	100
T AR1016 1 #2	5.758	0.0	871476.226	70.6903	ng/ml	100
T AR1016 3	6.049	0.0	998821.689	71.1257	ng/ml	100
T AR1016 2 #2	6.230	0.0	1139455.568	41.1458	ng/ml	100
T AR1016 4	6.253	0.0	1439835.661	170.1078	ng/ml	100
T AR1016 5	6.662	0.0	342648.221	52.9310	ng/ml	100
T AR1016 3 #2	6.659	0.0	4459553.789	133.8284	ng/ml	100
T AR1016 4 #2	6.803	0.0	277943.305	11.5887	ng/ml	100
T AR1016 5 #2	7.515	0.0	671197.250	52.4643	ng/ml	100
T AR1260 1	8.463	0.0	21866.920	1.3628	ng/ml	100
T AR1260 2	9.048	0.0	418668.945	17.0922	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.678	0.0	309119.149	9.2608	ng/ml	100
T AR1260 4	10.015	0.0	496607.293	34.8259	ng/ml	100
T AR1260 2 #2	10.013	0.0	133202.973	3.5394	ng/ml	100
T AR1260 3 #2	10.448	0.0	814903.996	16.9205	ng/ml	100
T AR1260 5	10.727	0.0	1195326.049	53.0145	ng/ml	100
T AR1260 4 #2	10.757	0.0	1844074.368	65.5542	ng/ml	100
T AR1260 5 #2	11.537	0.0	1812804.761	44.4600	ng/ml	100

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

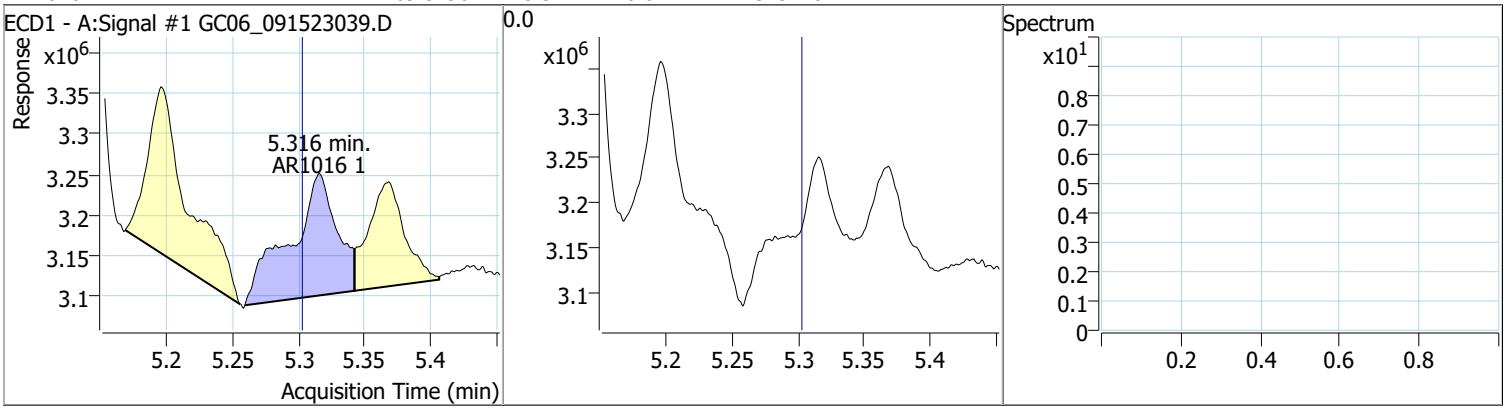
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.1728	4.94	0.00	8059843				



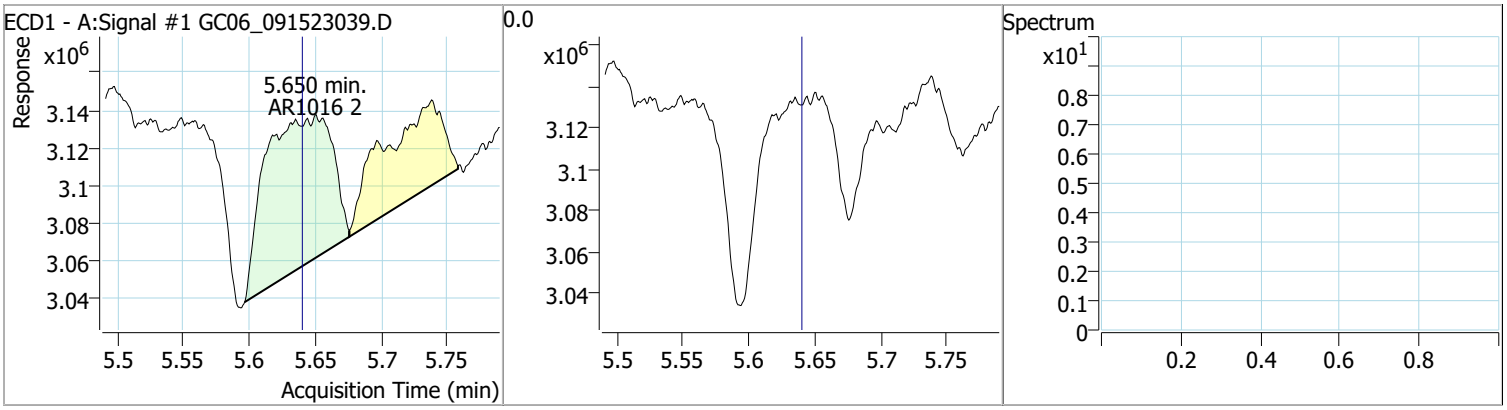
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.6726	5.27	0.00	18001628				



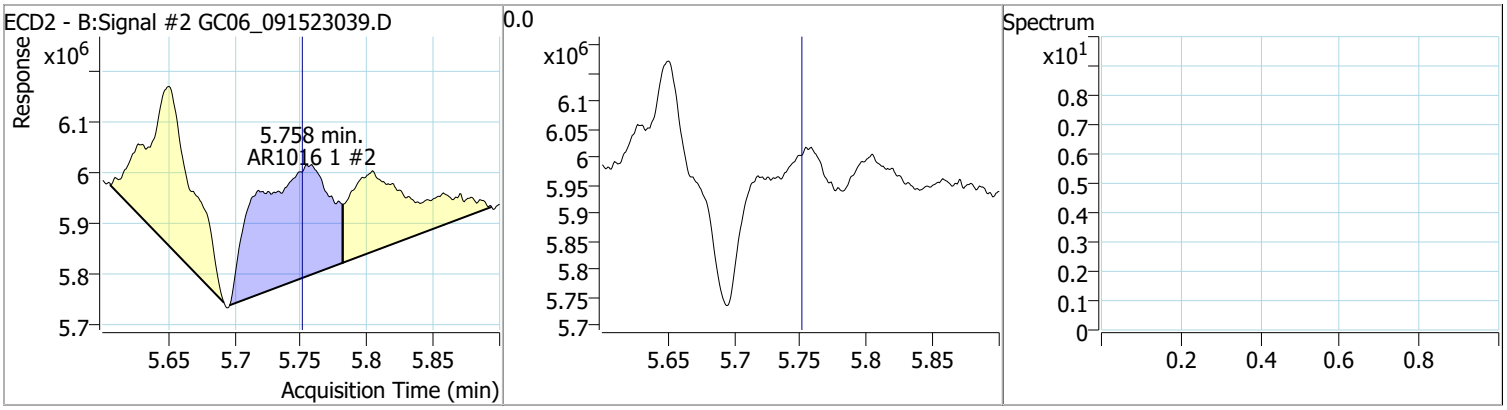
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	69.3798	5.32	0.01	375470				



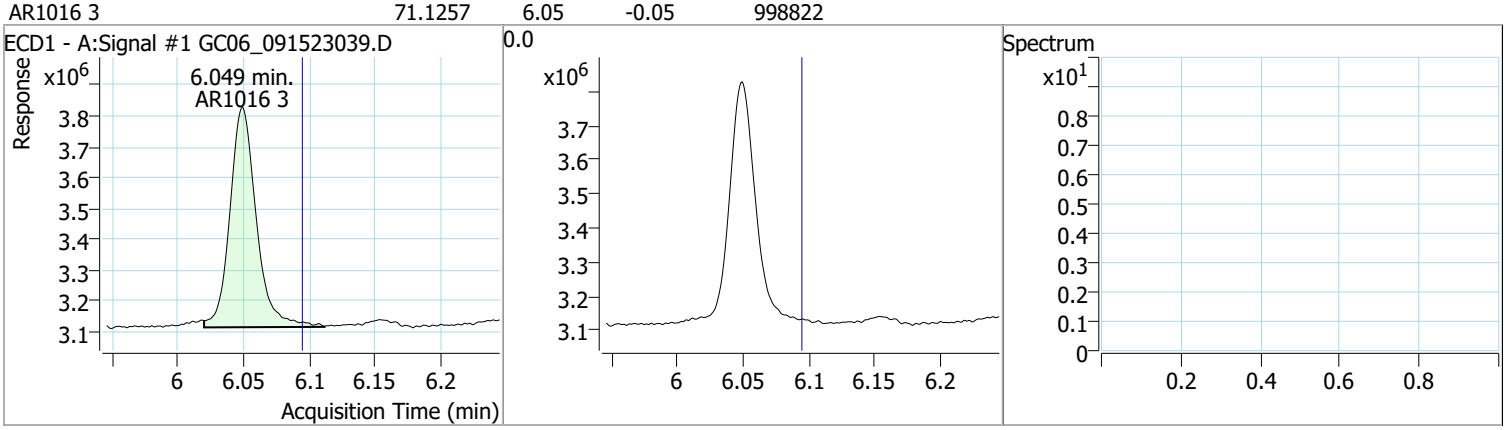
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.9989	5.65	0.01	285650				



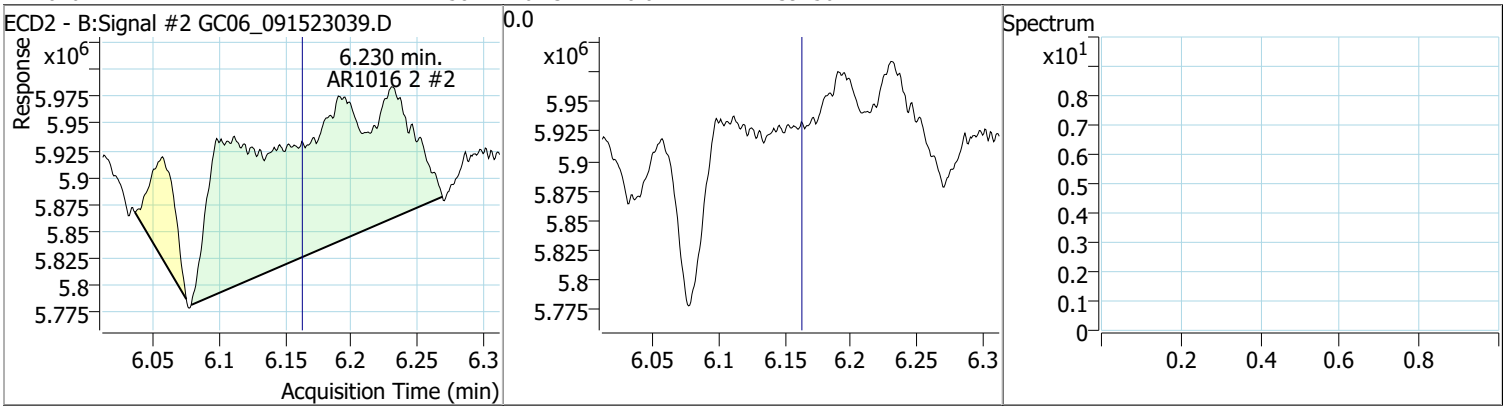
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	70.6903	5.76	0.01	871476				



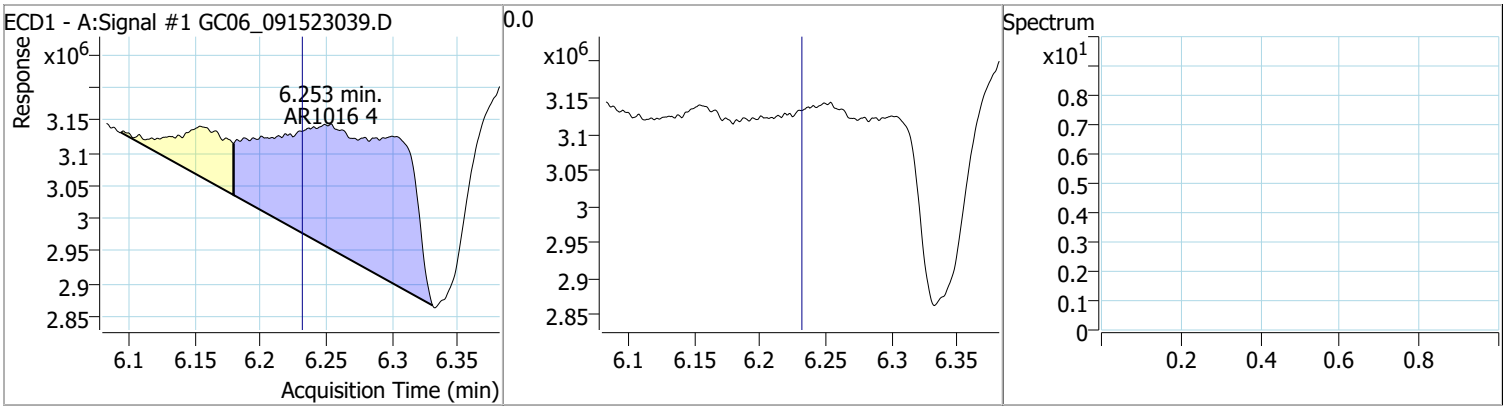
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	71.1257	6.05	-0.05	998822				



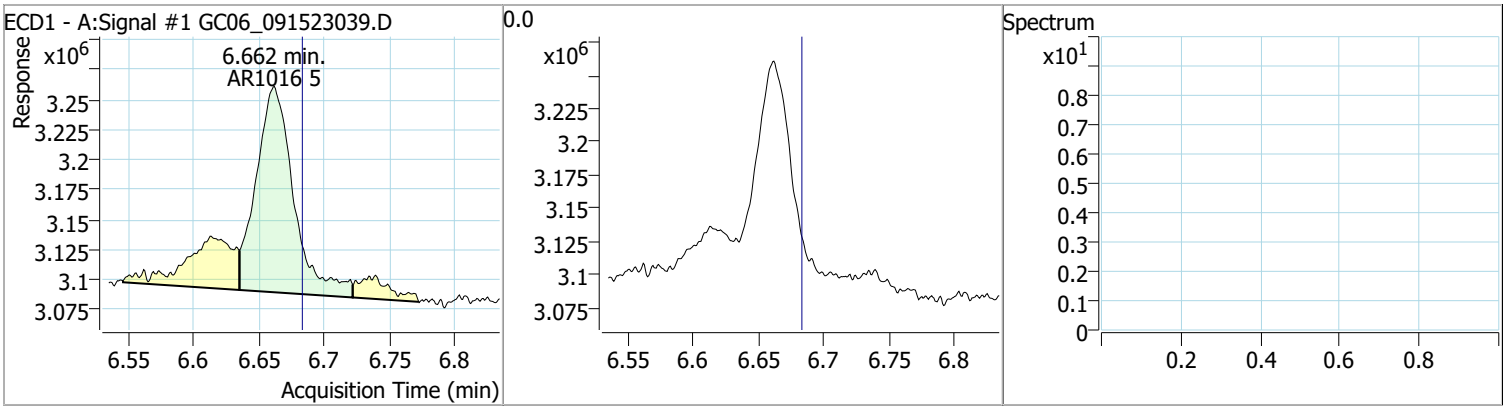
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	41.1458	6.23	0.07	1139456				



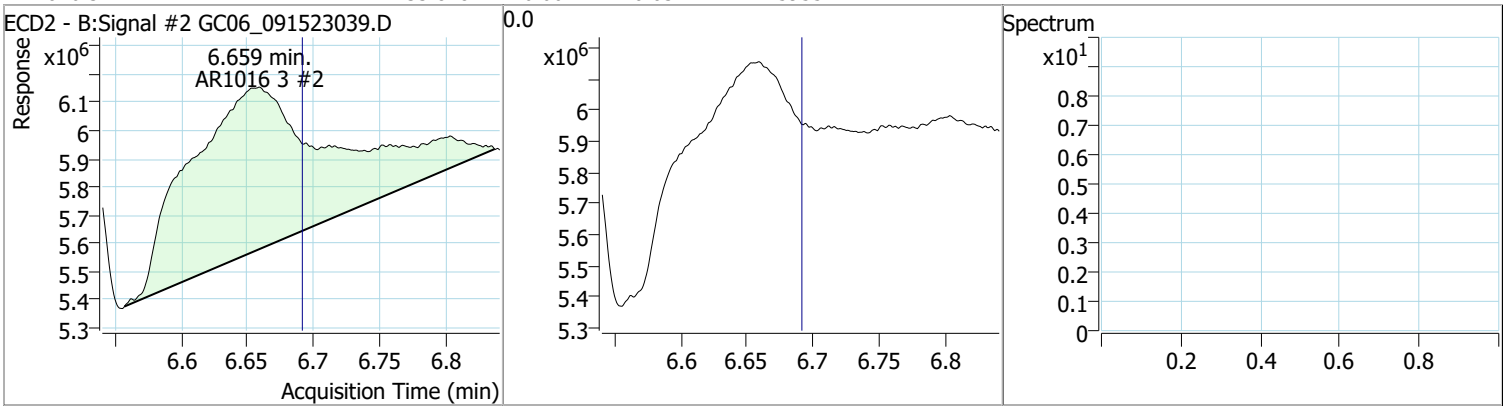
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	170.1078	6.25	0.02	1439836				



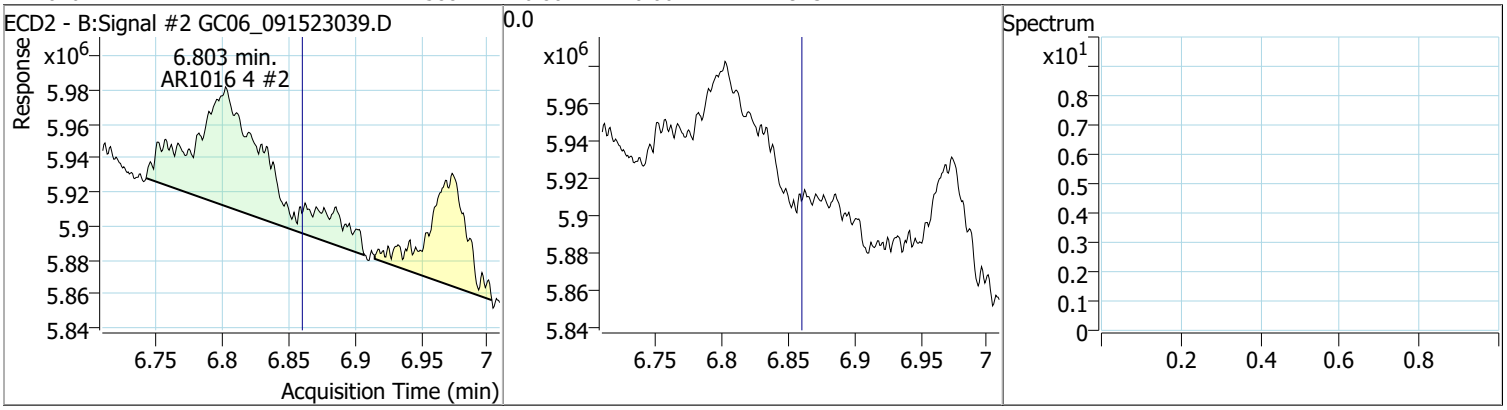
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	52.9310	6.66	-0.03	342648				



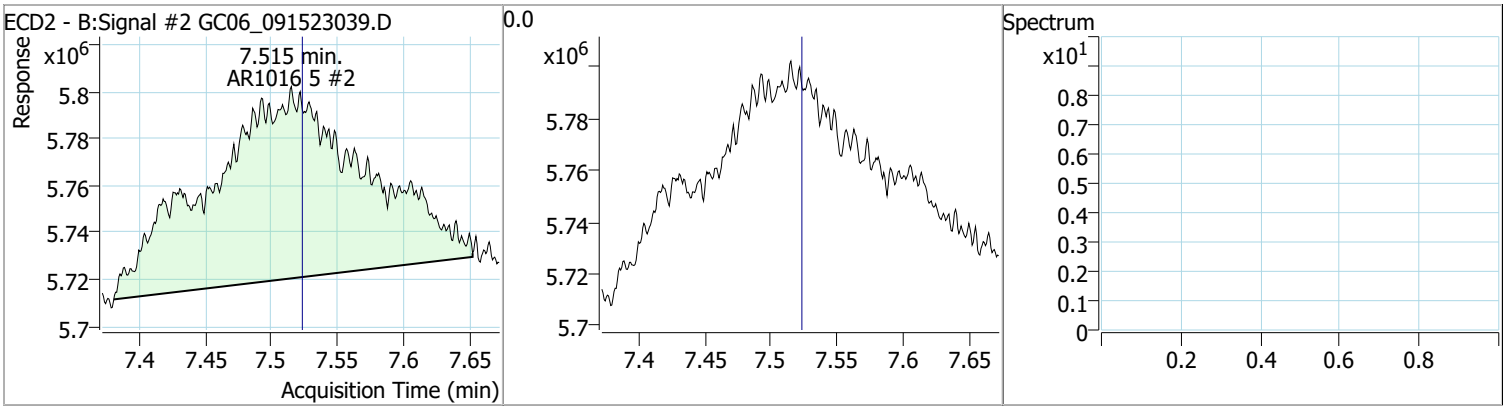
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	133.8284	6.66	-0.03	4459554				



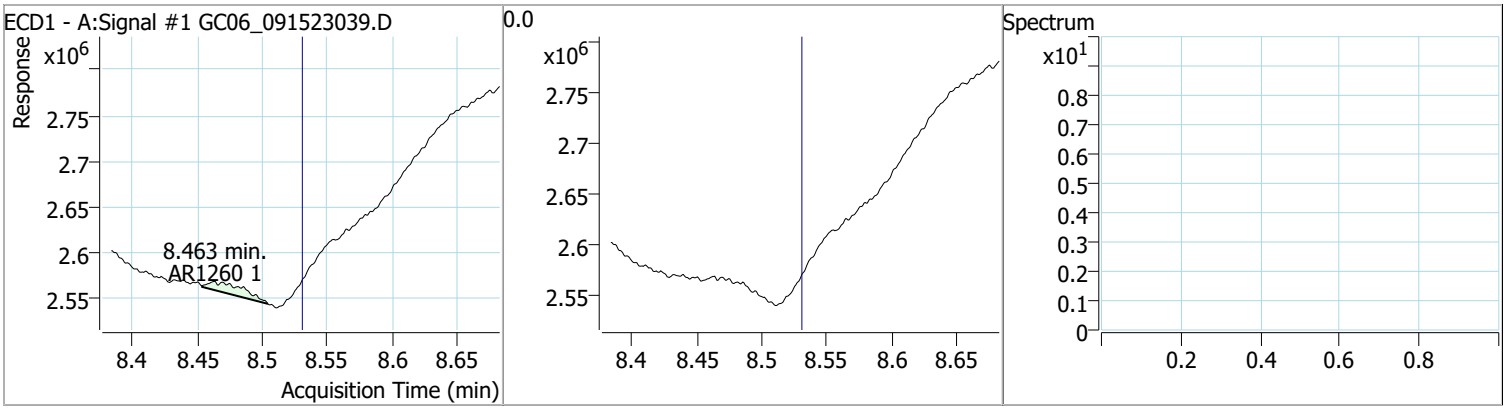
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.5887	6.80	-0.06	277943				



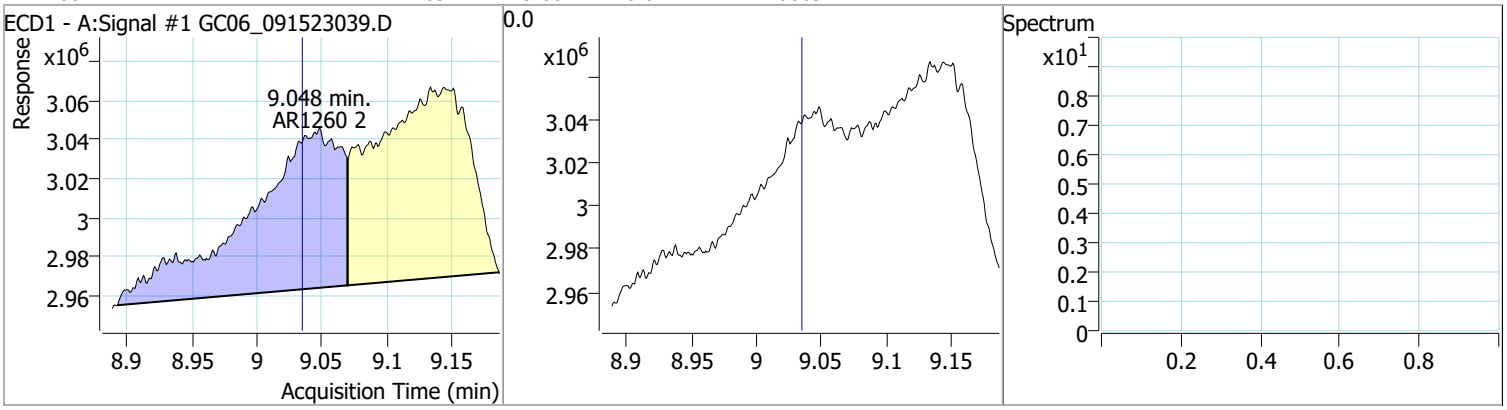
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	52.4643	7.52	-0.01	671197				



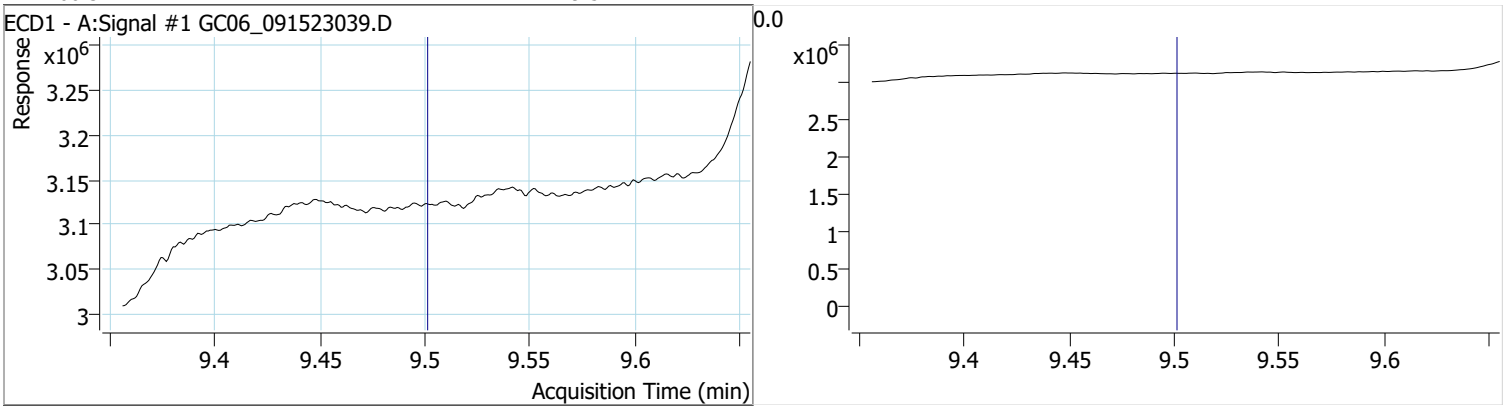
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1.3628	8.46	-0.07	21867				



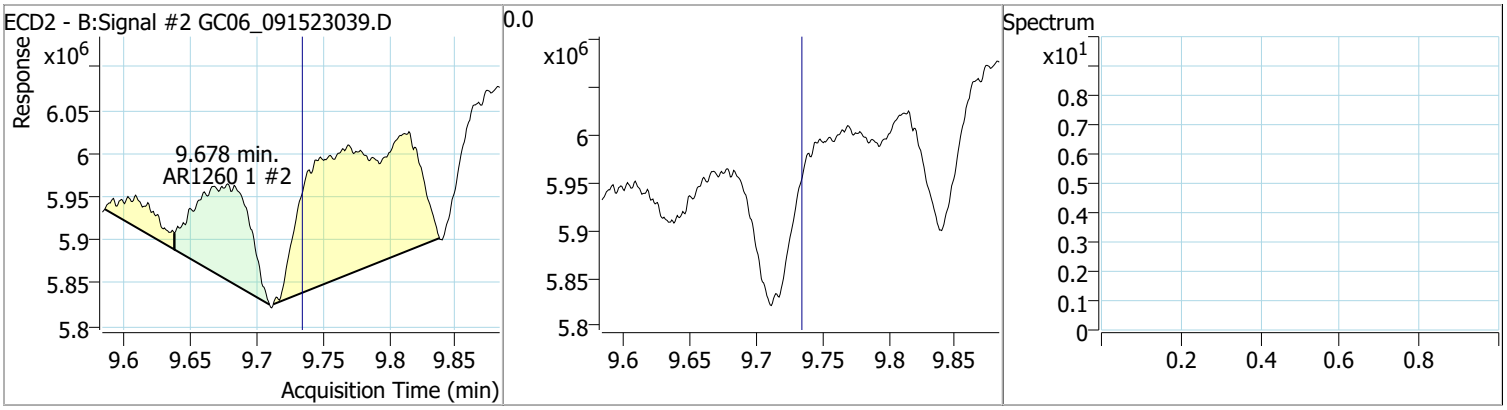
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	17.0922	9.05	0.01	418669				



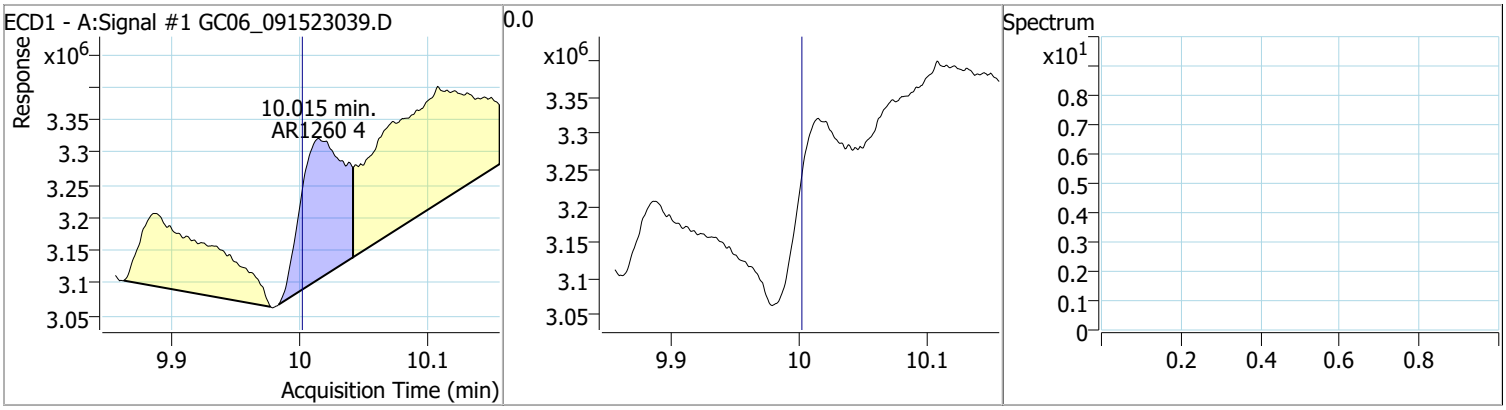
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.51		



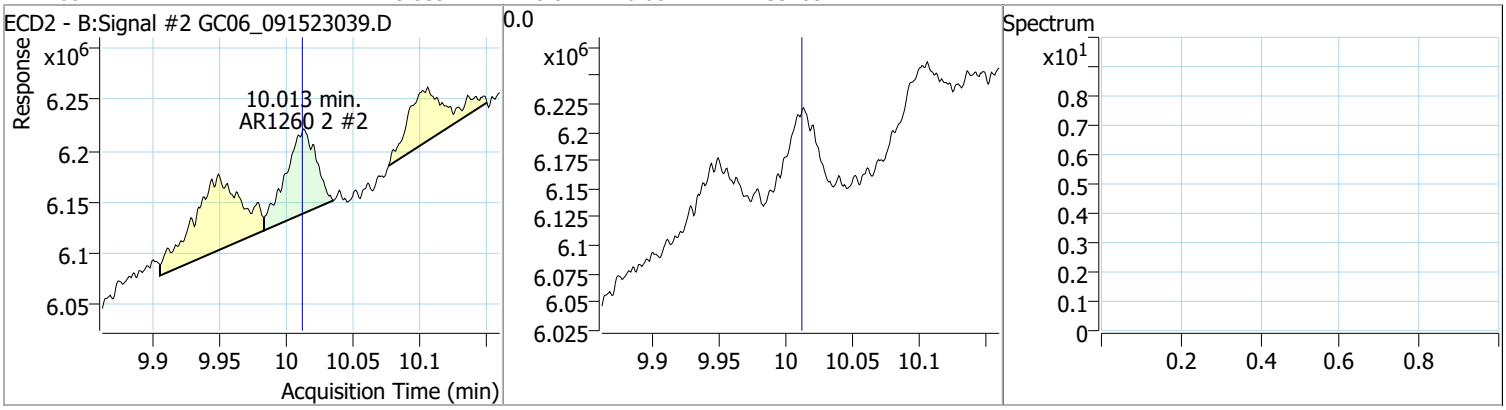
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	9.2608	9.68	-0.05	309119				



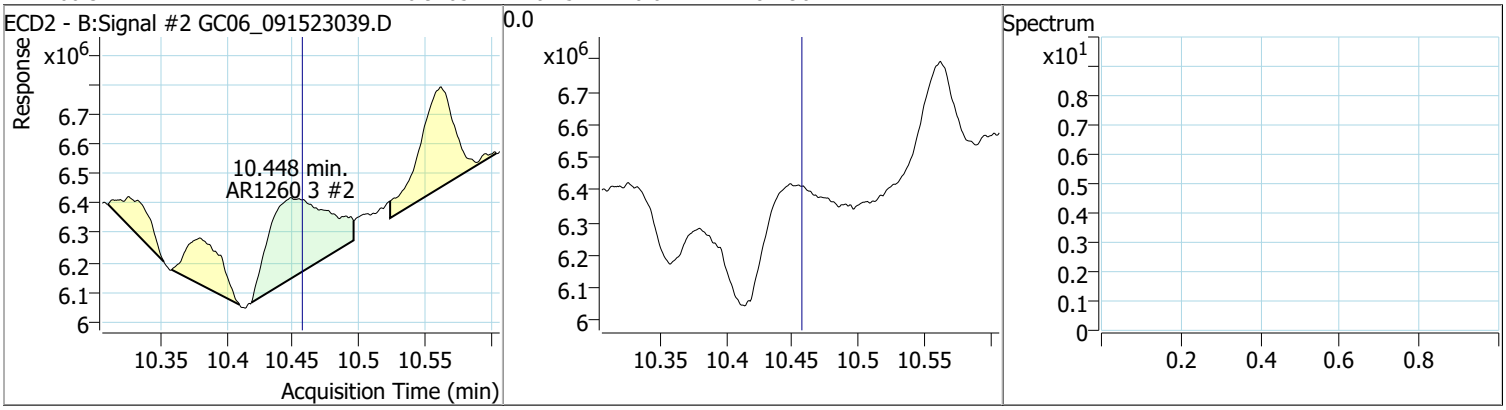
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	34.8259	10.02	0.01	496607				



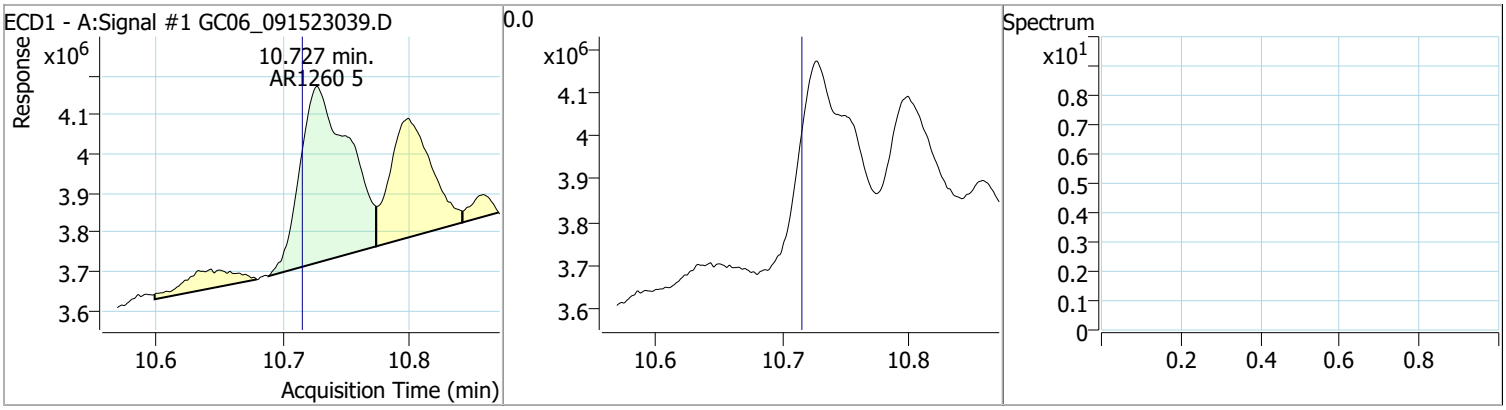
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.5394	10.01	0.00	133203				



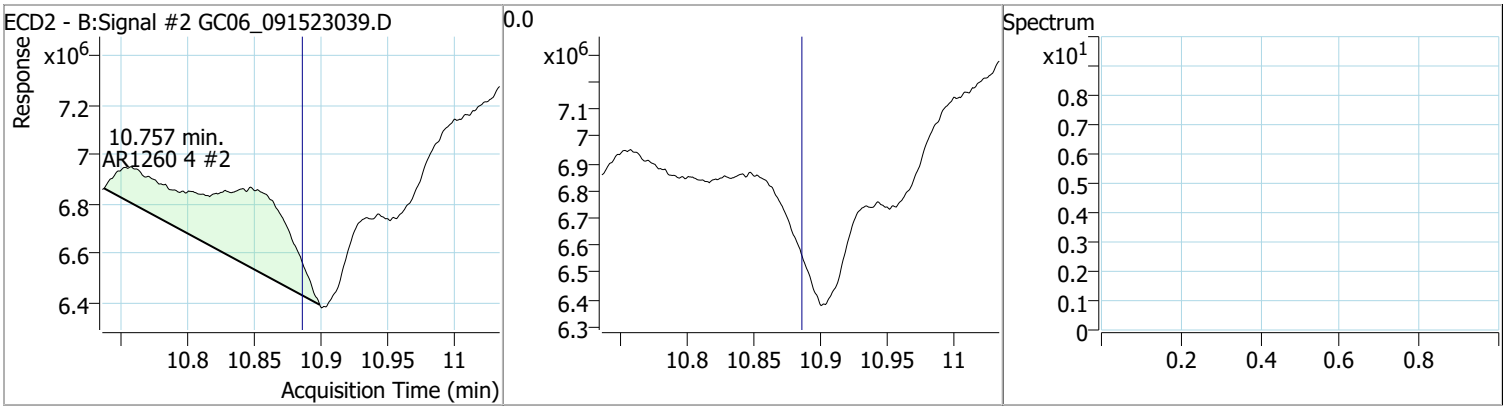
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	16.9205	10.45	-0.01	814904				



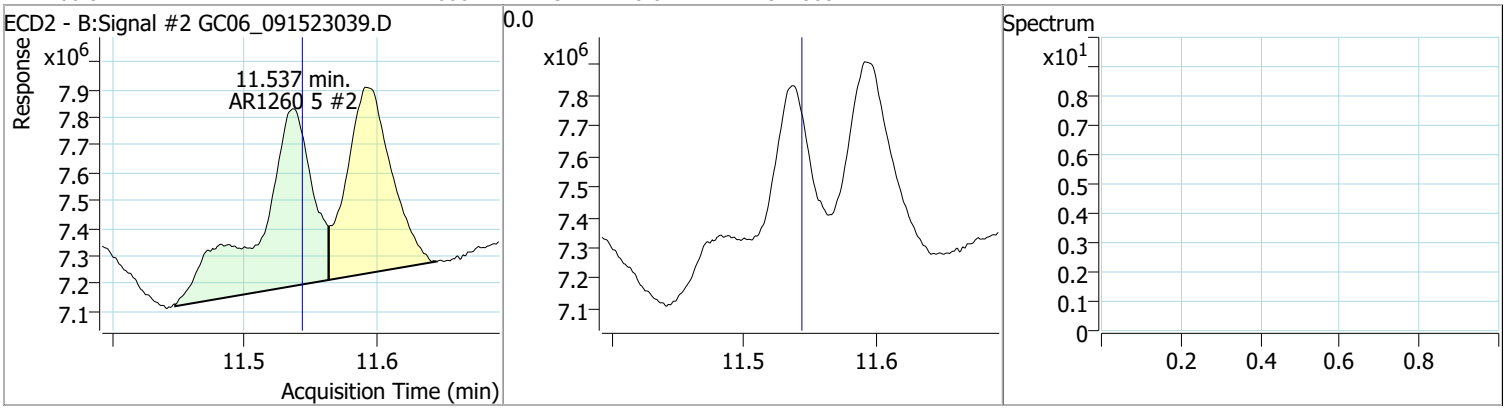
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	53.0145	10.73	0.00	1195326				



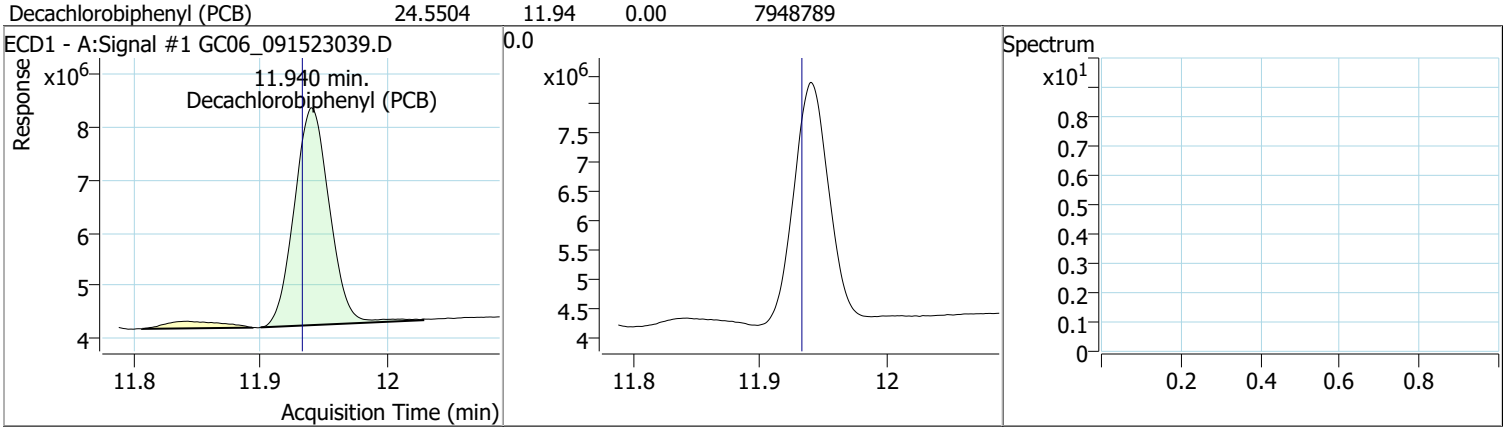
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	65.5542	10.76	-0.13	1844074				



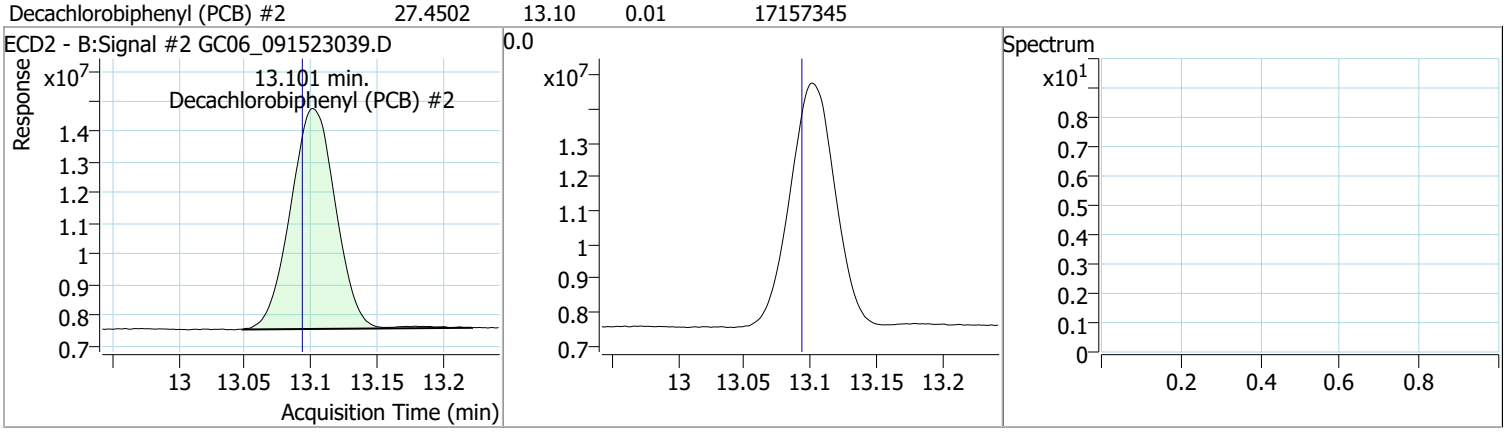
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	44.4600	11.54	-0.01	1812805				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	24.5504	11.94	0.00	7948789				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.4502	13.10	0.01	17157345				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-008	Client ID:	ARCH-C9W-LAT-L3-UP-C9.4-VS-230911-P-LA
Seqnum:	453372148040	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523040	Batch:	322492	Time:	15-SEP-2023 22:23
Cal:	453205686001	Caldate:	22-MAY-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	30.33	ND	0.90	99%	0.50		u
Aroclor-1016 Peak # 1	B	47.70	0.48	0.67	33%			
Aroclor-1016 Peak # 2	B	56.98	0.57	0.34	51%			
Aroclor-1016 Peak # 3	B	13.69	0.14	0.49	113%			
Aroclor-1016 Peak # 4	B	3.036	0.03	2.20	195%			
Aroclor-1016 Peak # 5	B	30.21	0.30	0.78	89%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	23.68	ND	0.61	88%	0.50		u
Aroclor-1260 Peak # 1	B	13.84	0.14	2.00	174%			
Aroclor-1260 Peak # 2	B	14.91	0.15	0.06	92%			
Aroclor-1260 Peak # 3	B	9.626	0.10	0.00	199%			
Aroclor-1260 Peak # 4	B	9.270	0.09	0.74	155%			
Aroclor-1260 Peak # 5	B	70.75	0.71	0.25	95%			
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	29.75	0.5000	0.2975	59	19-121	c- u
Decachlorobiphenyl (PCB)	B	27.19	0.5000	0.2719	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, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_091523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10054932	11359872	12.98
1-bromo-2-nitrobenzene (PCB)	A	3904319	4634935	18.71

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_091523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

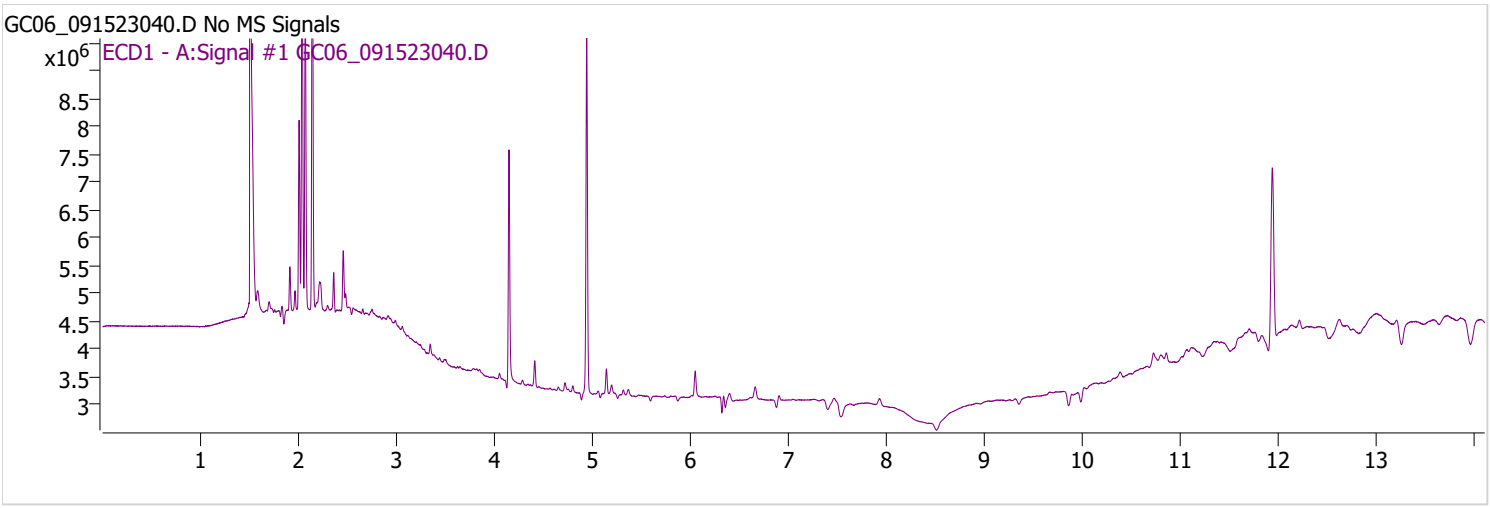
09/18/23 : WIPE/1S-10ML

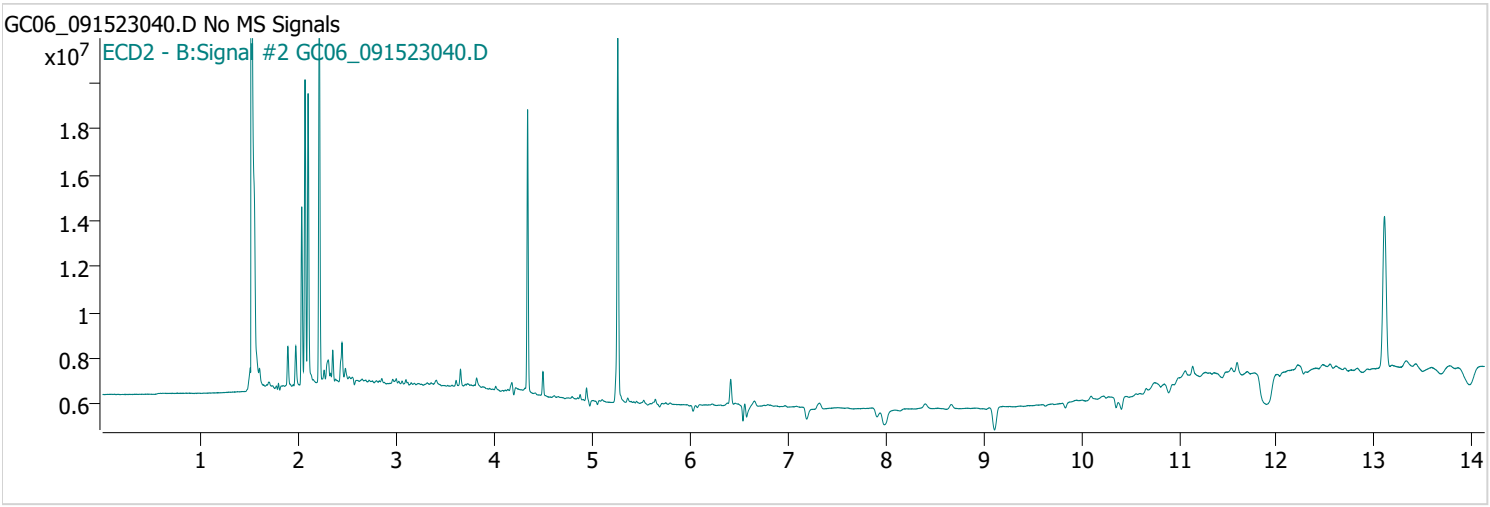
-=low bias c=CCV u=use

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523040.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/15/2023 10:23:07 PM
Sample Name	492059-008, 322492, 1	Instrument	SVOA-GC06
Vial	37	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



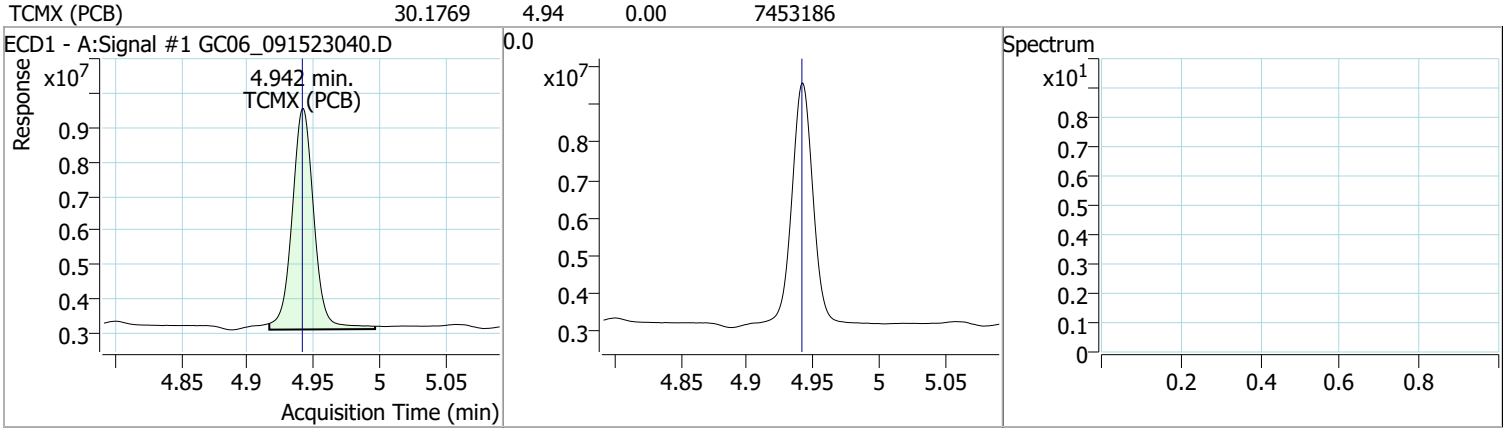


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	4634934.746	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	11359872.465	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.942	0.0	7453185.552	30.1769	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.88%		*	
S TCMX (PCB) #2	5.266	0.0	17925564.741	29.7476	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.74%			
S Decachlorobiphenyl (PCB)	11.939	0.0	6787091.015	21.9445	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 109.72%			
S Decachlorobiphenyl (PCB) #2	13.101	0.0	16312269.934	27.1915	ng/ml		0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.96%			
Target Compounds							QValue

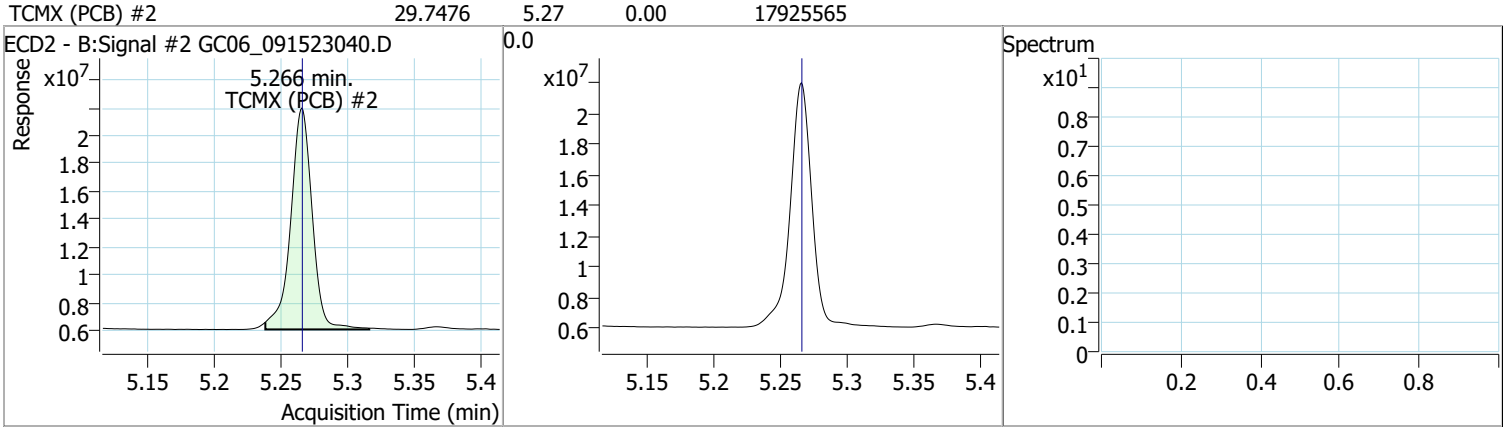
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.315	0.0	345679.060	66.8673	ng/ml	100
T AR1016 2	5.650	0.0	354087.962	33.7377	ng/ml	100
T AR1016 1 #2	5.754	0.0	564421.740	47.7016	ng/ml	100
T AR1016 3	6.049	0.0	661925.070	49.3436	ng/ml	100
T AR1016 2 #2	6.233	0.0	1514634.017	56.9849	ng/ml	100
T AR1016 4	6.252	0.0	1779174.338	220.0456	ng/ml	100
T AR1016 5	6.662	0.0	484340.464	78.3240	ng/ml	100
T AR1016 3 #2	6.663	0.0	437972.870	13.6939	ng/ml	100
T AR1016 4 #2	6.878	0.0	69882.207	3.0358	ng/ml	100
T AR1016 5 #2	7.511	0.0	370992.939	30.2137	ng/ml	100
T AR1260 1	8.681	0.0	3060316.816	199.6646	ng/ml	100
T AR1260 2	9.036	0.0	128918.890	5.5097	ng/ml	100
T AR1260 3	9.638	0.0	722.867	0.0289	ng/ml	100
T AR1260 1 #2	9.708	0.0	443453.568	13.8419	ng/ml	100
T AR1260 4	9.953	0.0	1007610.100	73.9716	ng/ml	100
T AR1260 2 #2	10.013	0.0	538498.483	14.9081	ng/ml	100
T AR1260 3 #2	10.381	0.0	444938.609	9.6257	ng/ml	100
T AR1260 5	10.725	0.0	545722.690	25.3374	ng/ml	100
T AR1260 4 #2	10.935	0.0	250298.821	9.2705	ng/ml	100
T AR1260 5 #2	11.597	0.0	2768598.372	70.7461	ng/ml	100

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

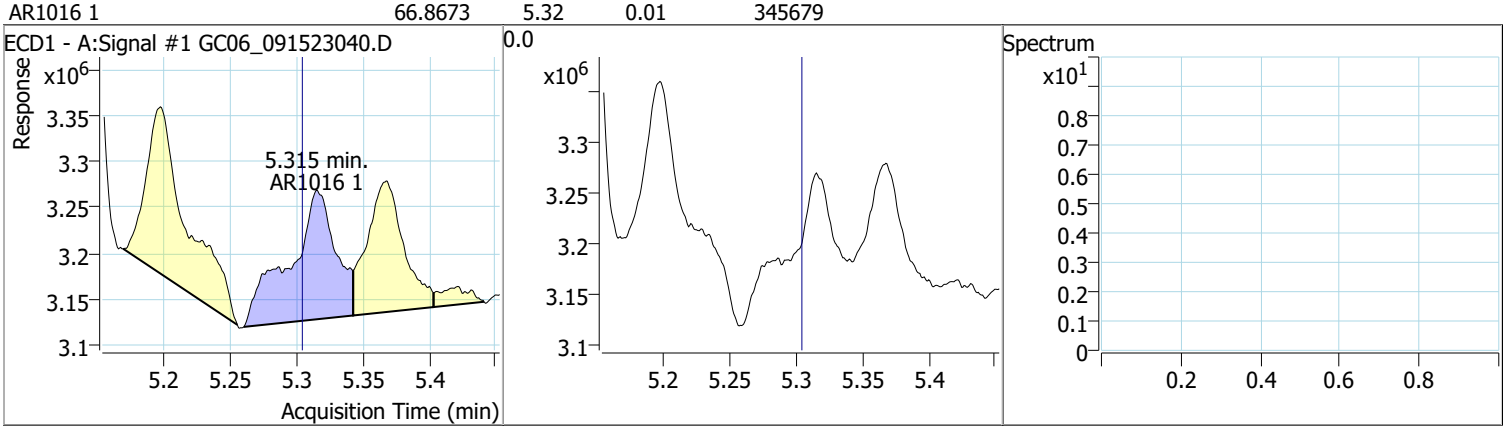
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.1769	4.94	0.00	7453186				



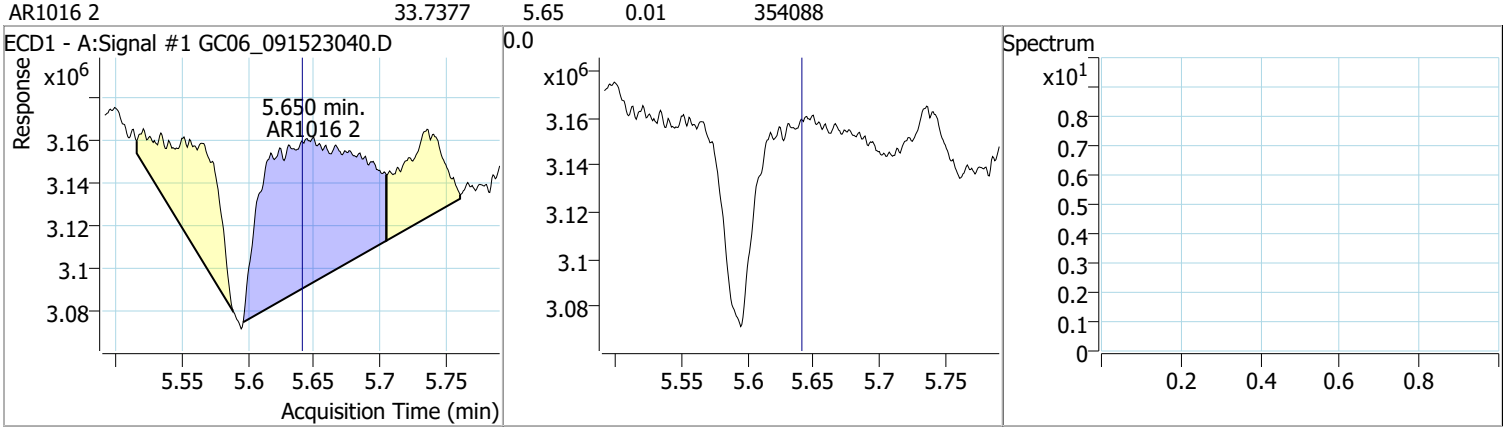
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.7476	5.27	0.00	17925565				



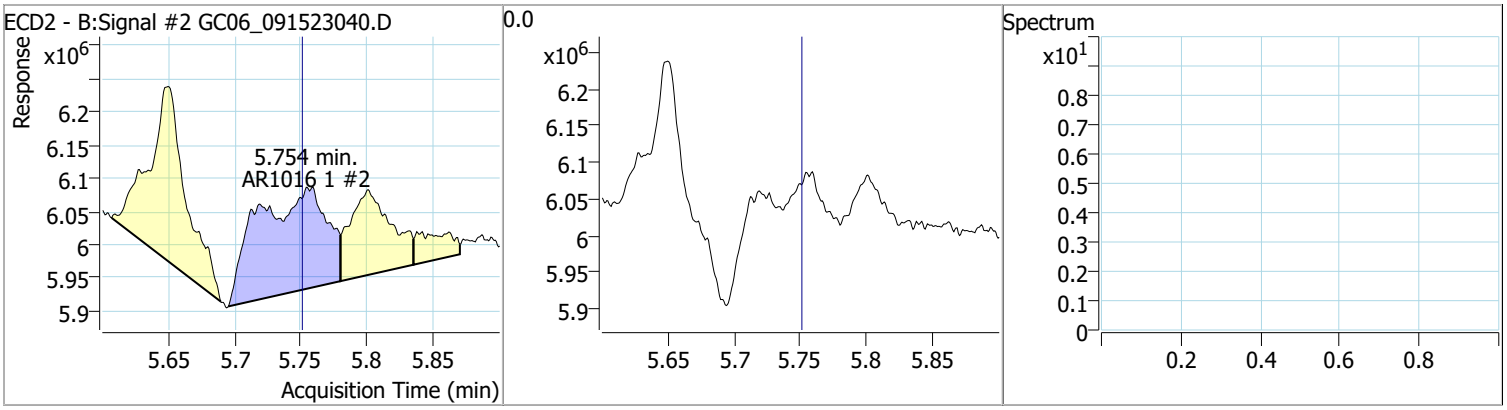
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	66.8673	5.32	0.01	345679				



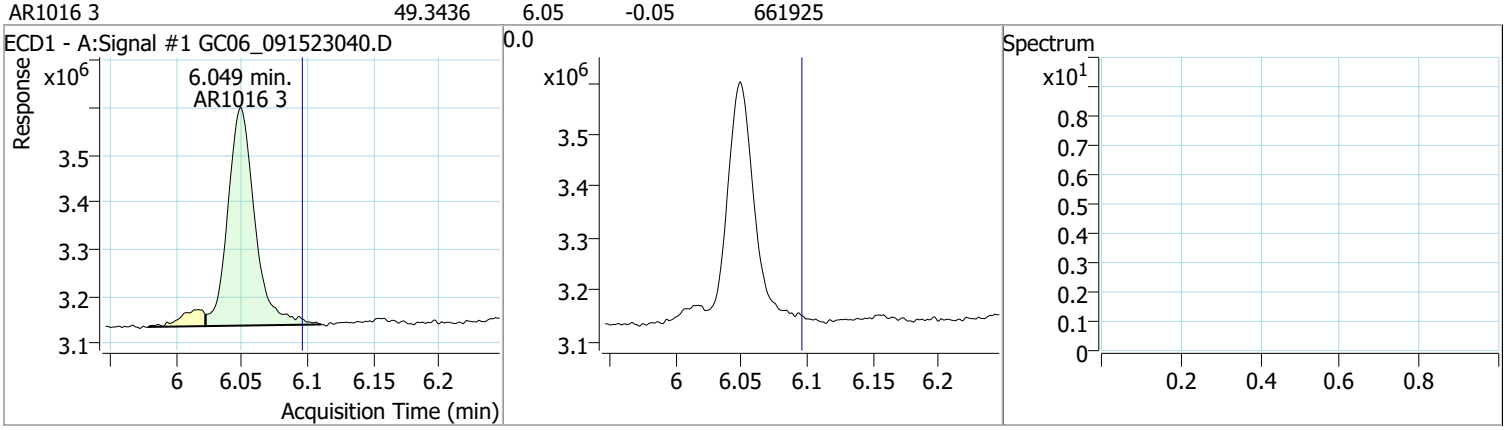
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	33.7377	5.65	0.01	354088				



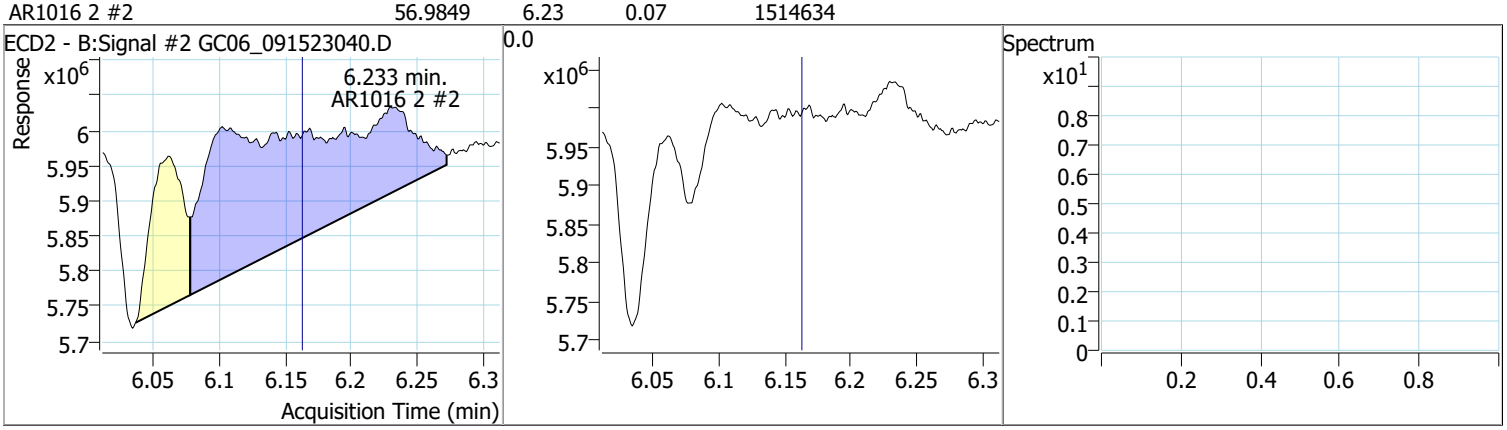
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	47.7016	5.75	0.00	564422				



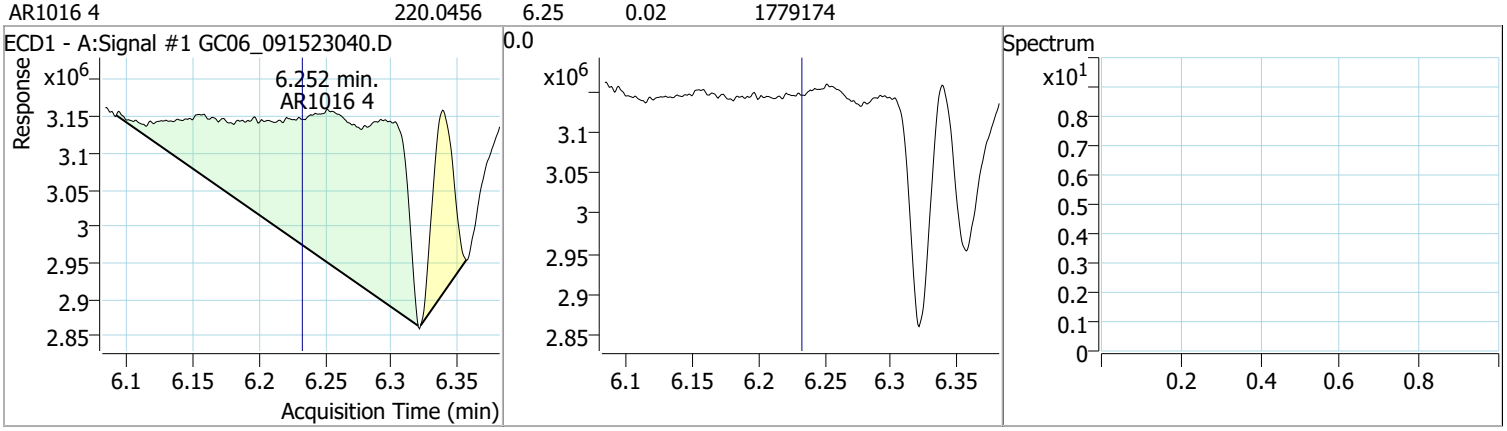
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	49.3436	6.05	-0.05	661925				



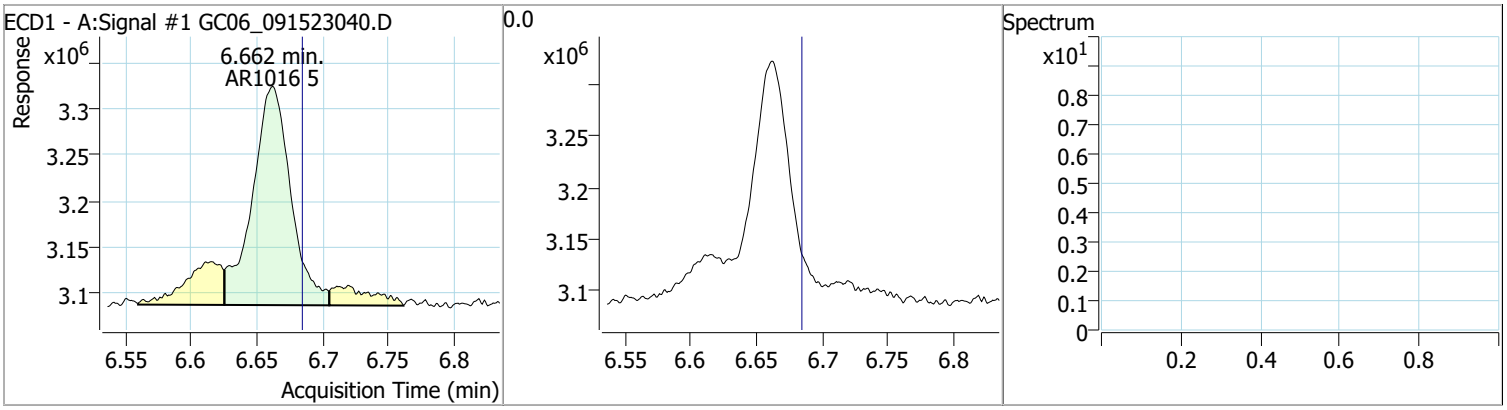
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.9849	6.23	0.07	1514634				



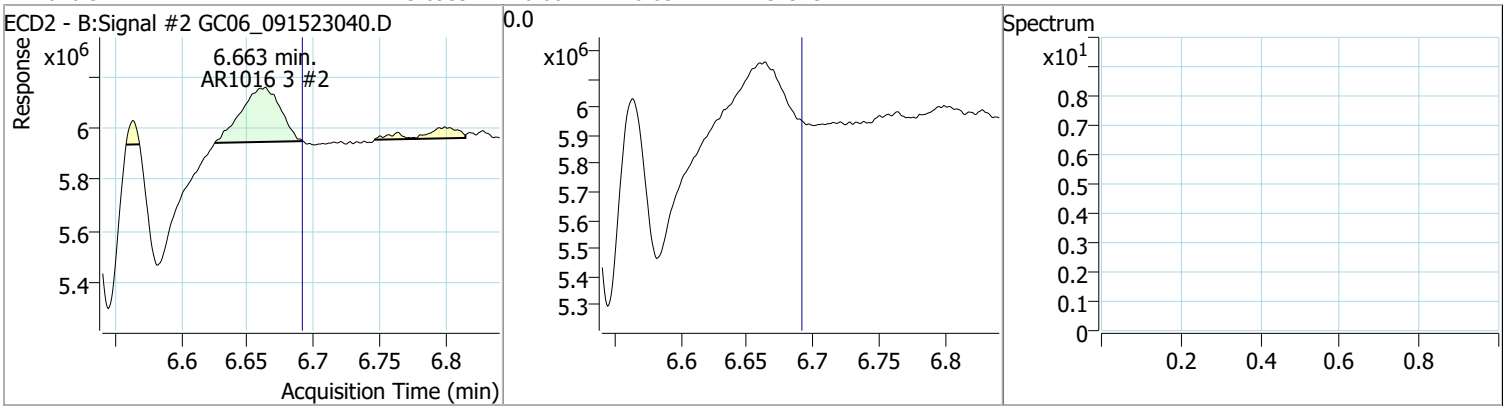
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	220.0456	6.25	0.02	1779174				



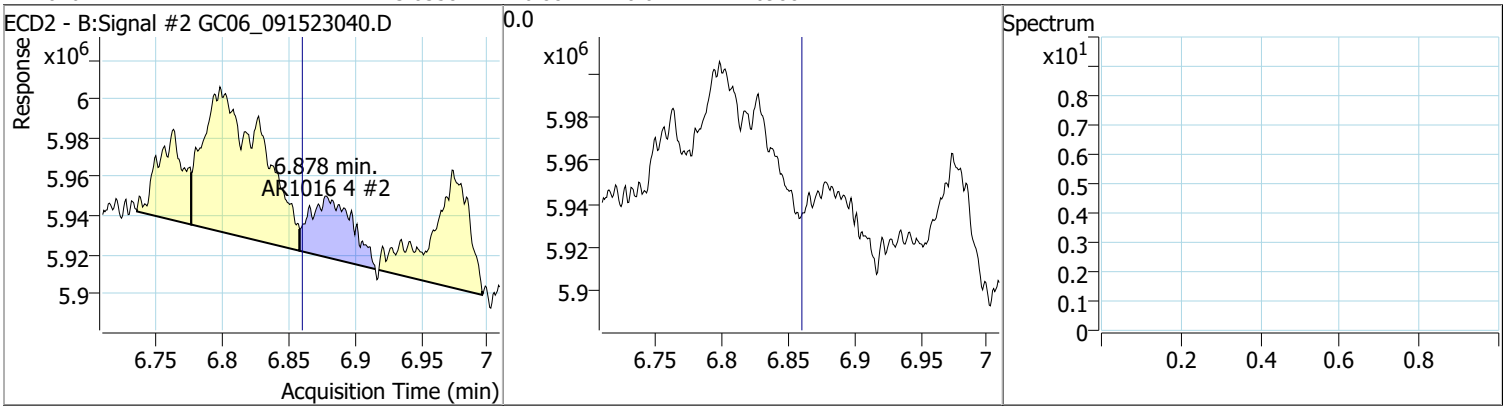
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	78.3240	6.66	-0.03	484340				



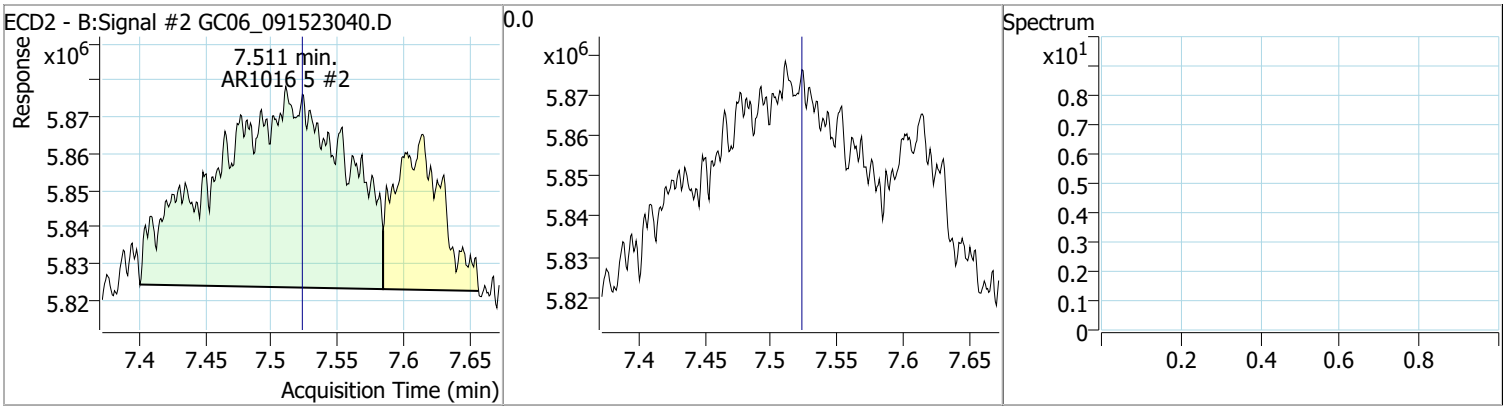
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	13.6939	6.66	-0.03	437973				



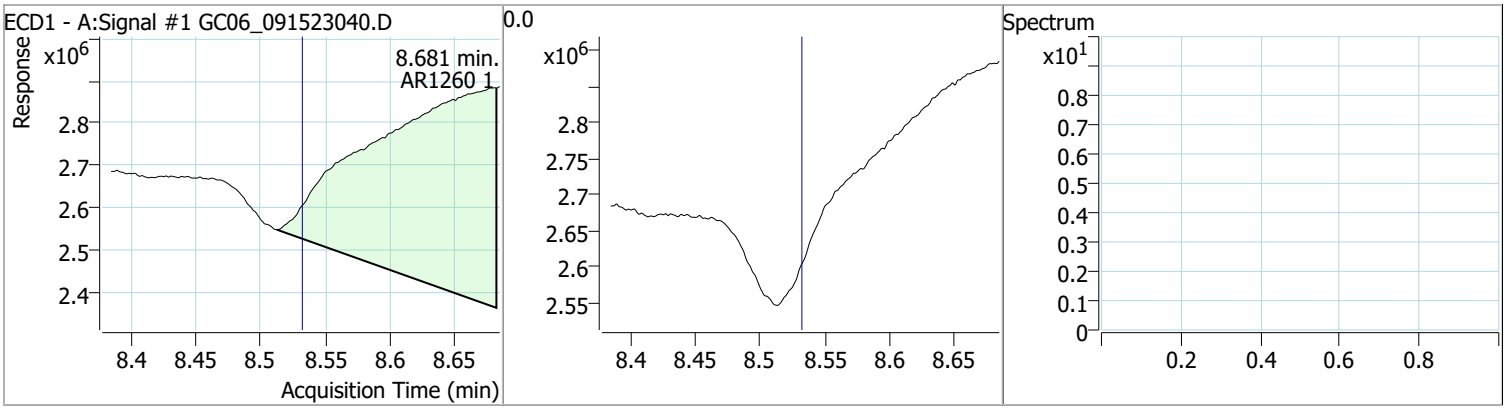
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.0358	6.88	0.02	69882				



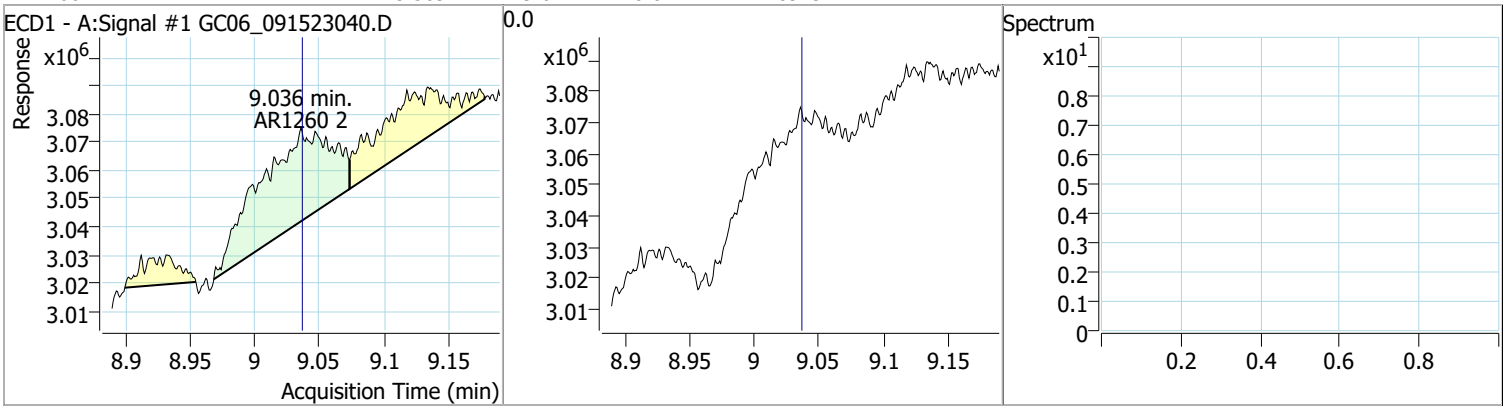
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	30.2137	7.51	-0.01	370993				



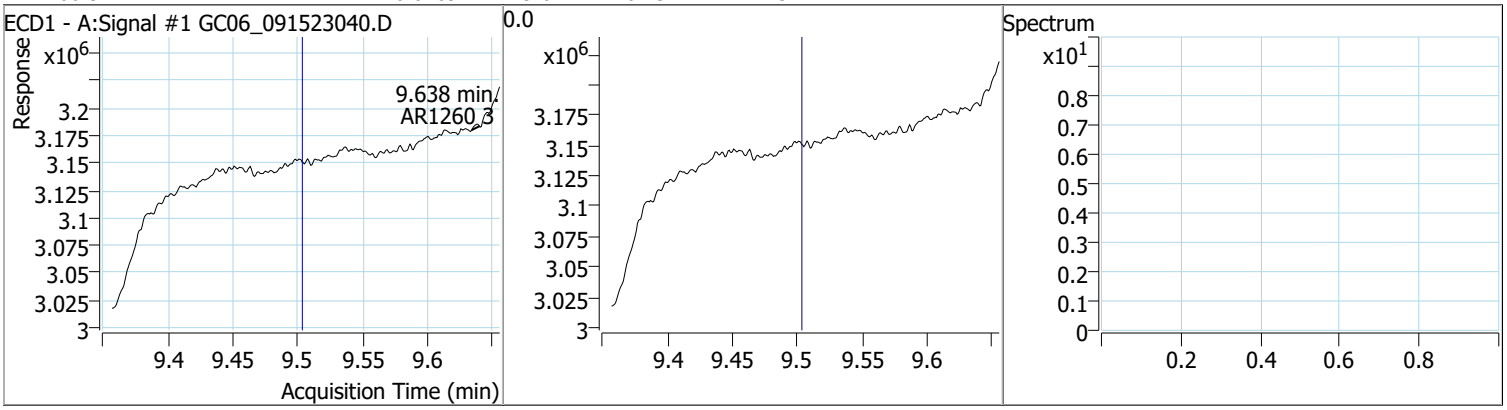
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	199.6646	8.68	0.14	3060317				



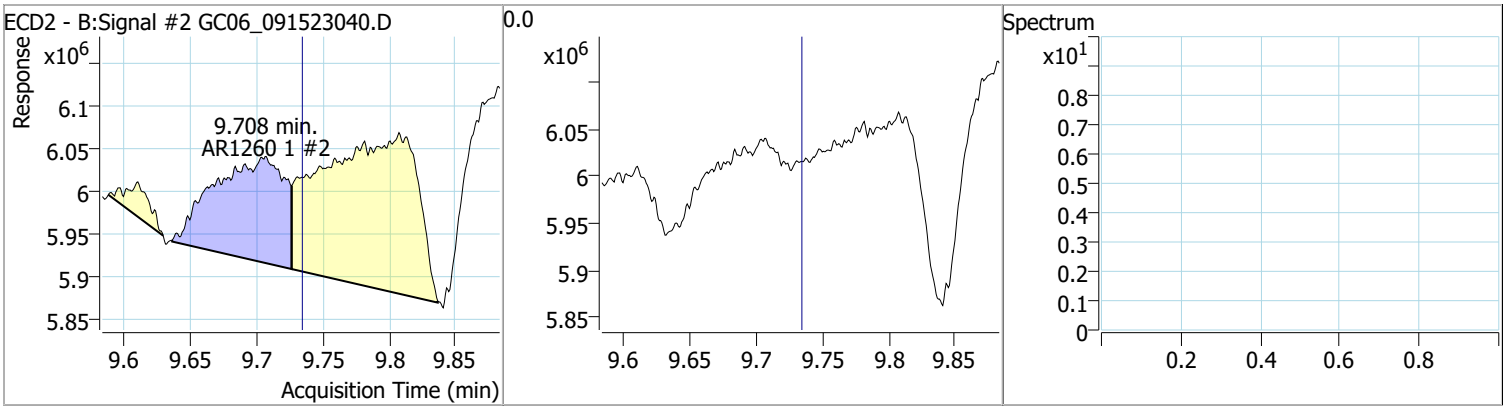
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	5.5097	9.04	-0.01	128919				



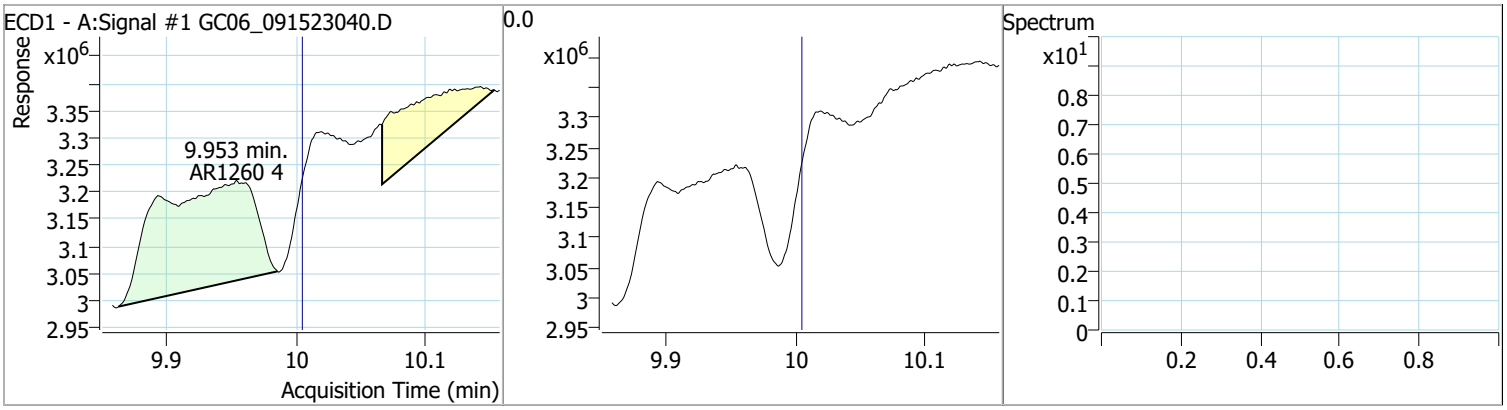
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.0289	9.64	0.13	723				



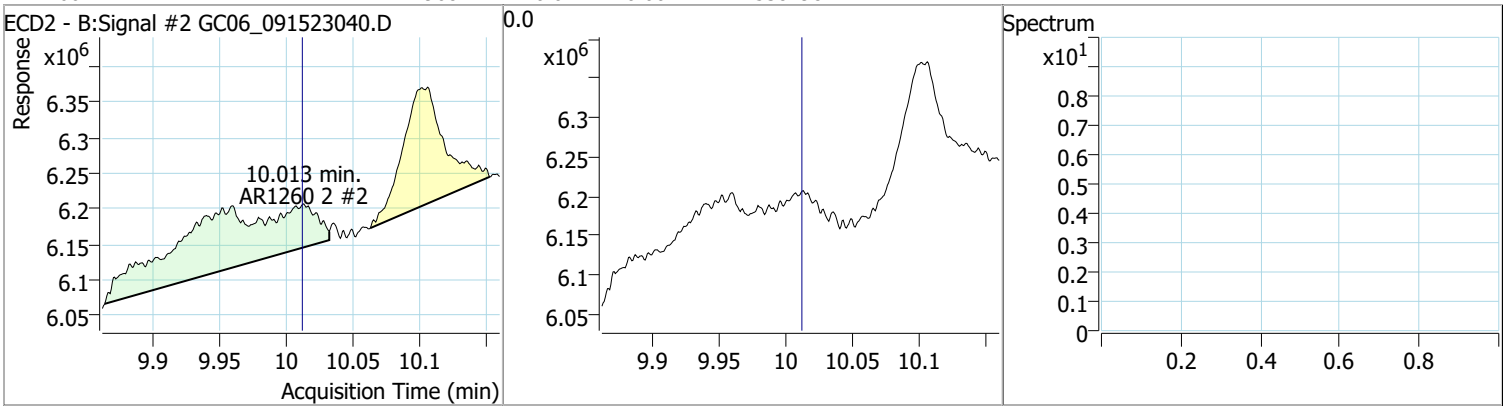
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	13.8419	9.71	-0.03	443454				



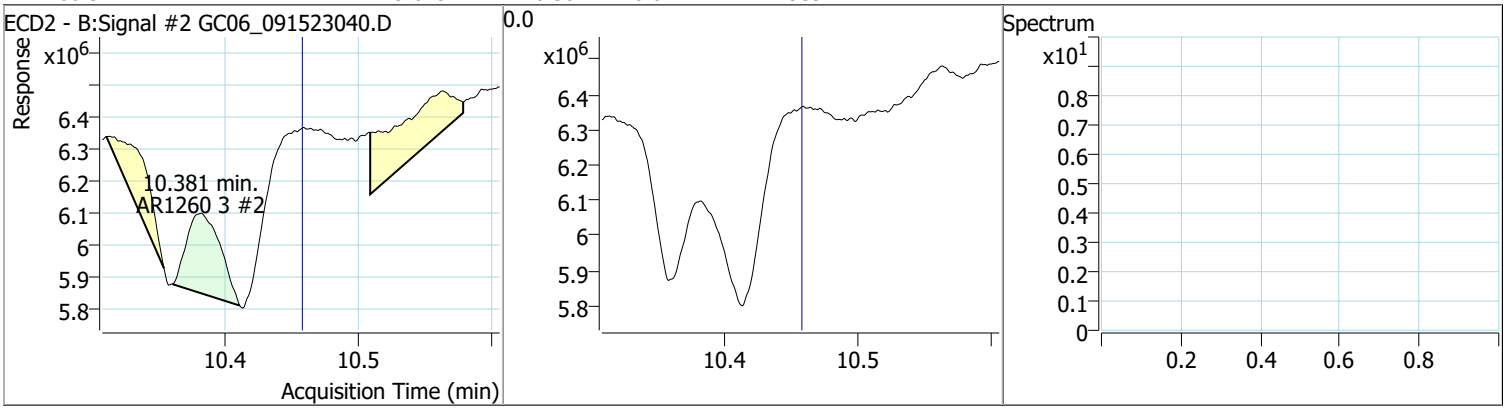
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	73.9716	9.95	-0.06	1007610				



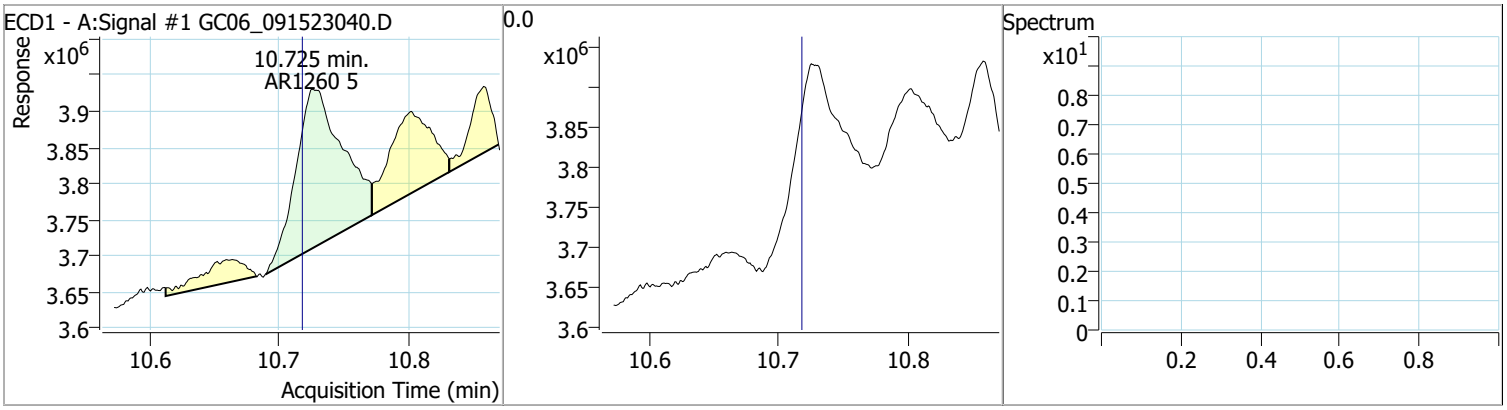
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	14.9081	10.01	0.00	538498				



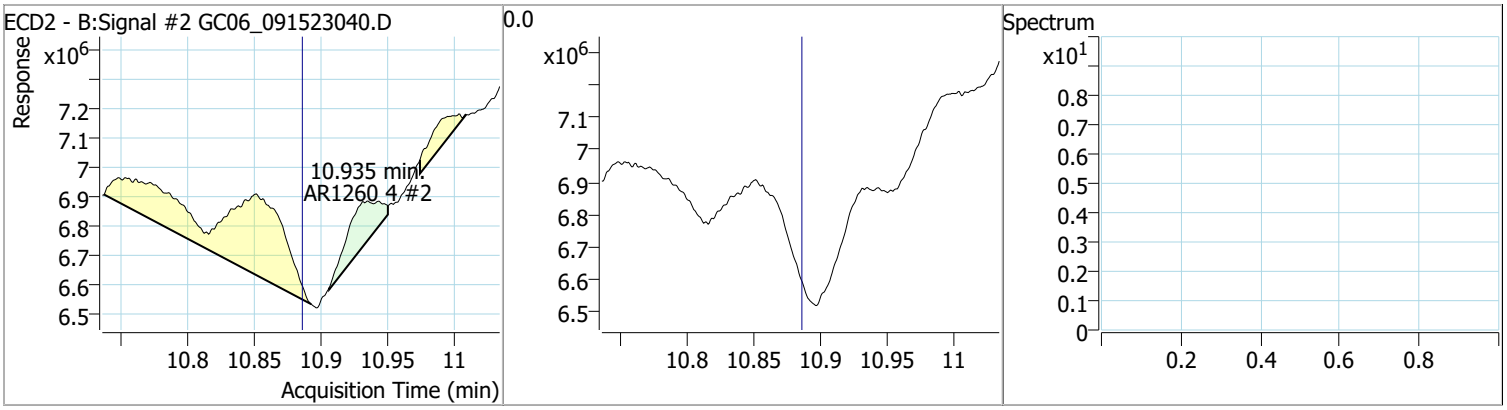
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.6257	10.38	-0.07	444939				



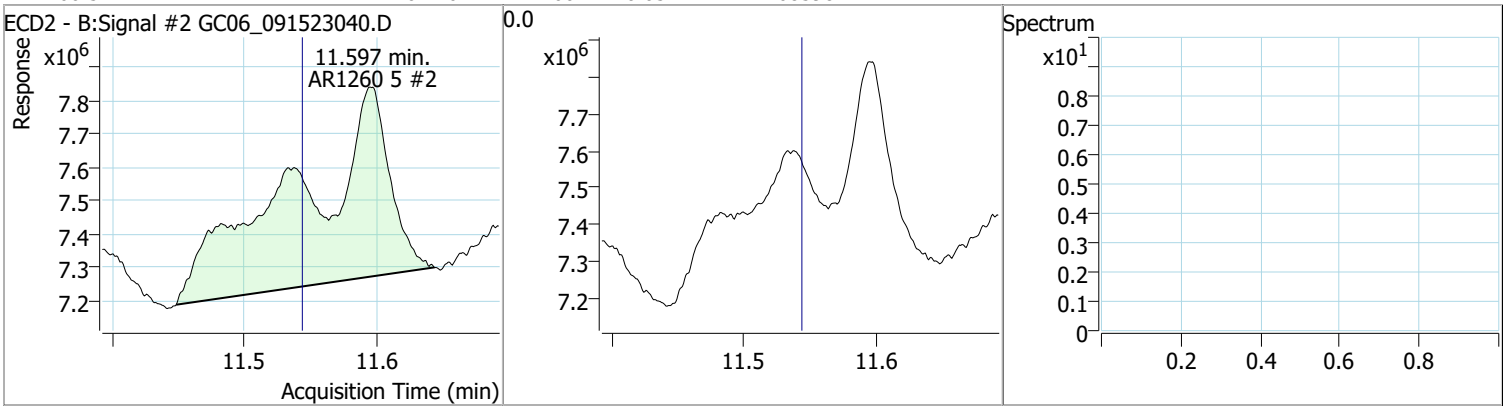
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	25.3374	10.73	0.00	545723				



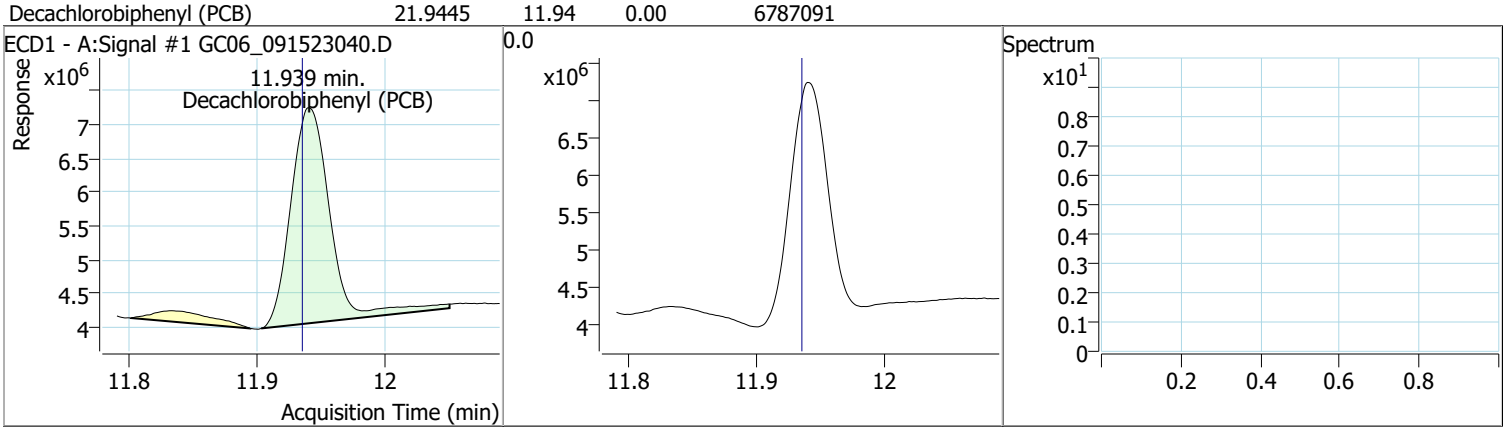
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	9.2705	10.94	0.05	250299				



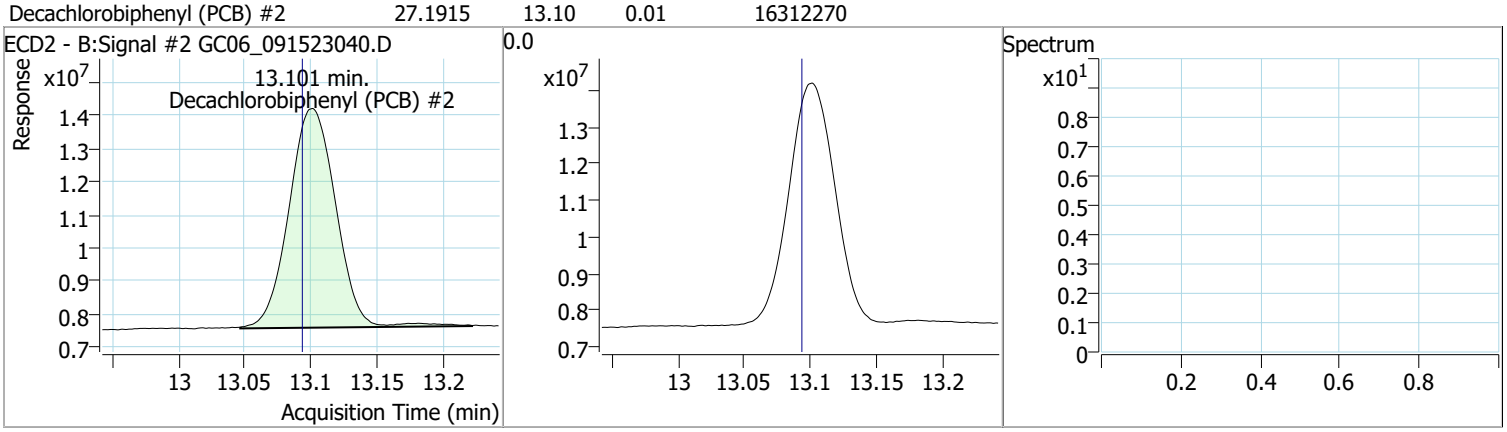
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	70.7461	11.60	0.05	2768598				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	21.9445	11.94	0.00	6787091				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.1915	13.10	0.01	16312270				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-010	Client ID:	ARCH-C9W-MED-L3-UP-C9.7-DG-230911-P-LA
Seqnum:	453372148041	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523041	Batch:	322492	Time:	15-SEP-2023 22:41
Cal:	453205686001	Caldate:	22-MAY-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	42.84	ND	0.69	47%	0.50		u
Aroclor-1016 Peak # 1	B	46.98	0.47	0.62	27%			
Aroclor-1016 Peak # 2	B	32.83	0.33	0.26	25%			
Aroclor-1016 Peak # 3	B	108.7	1.09	0.54	67%			
Aroclor-1016 Peak # 4	B	1.149	0.01	1.52	197%			
Aroclor-1016 Peak # 5	B	24.55	0.25	0.53	73%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	21.90	ND	0.35	45%	0.50		u
Aroclor-1260 Peak # 1	B	2.523	0.03	1.03	190%			
Aroclor-1260 Peak # 2	B	3.111	0.03	0.05	39%			
Aroclor-1260 Peak # 3	B	5.583	0.06	0.11	65%			
Aroclor-1260 Peak # 4	B	62.92	0.63	0.31	69%			
Aroclor-1260 Peak # 5	B	35.37	0.35	0.24	40%			
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	28.04	0.5000	0.2804	56	19-121	c- u
Decachlorobiphenyl (PCB)	B	25.34	0.5000	0.2534	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, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_091523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10054932	13036008	29.65
1-bromo-2-nitrobenzene (PCB)	A	3904319	5380451	37.81

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_091523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

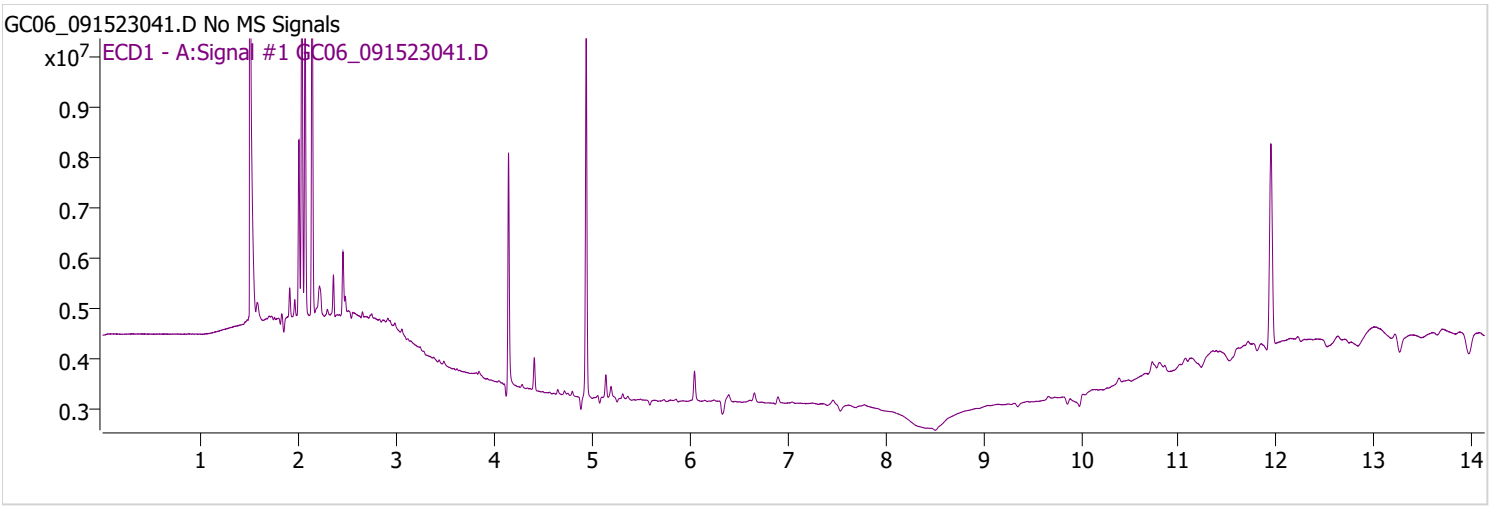
09/18/23 : WIPE/1S-10ML

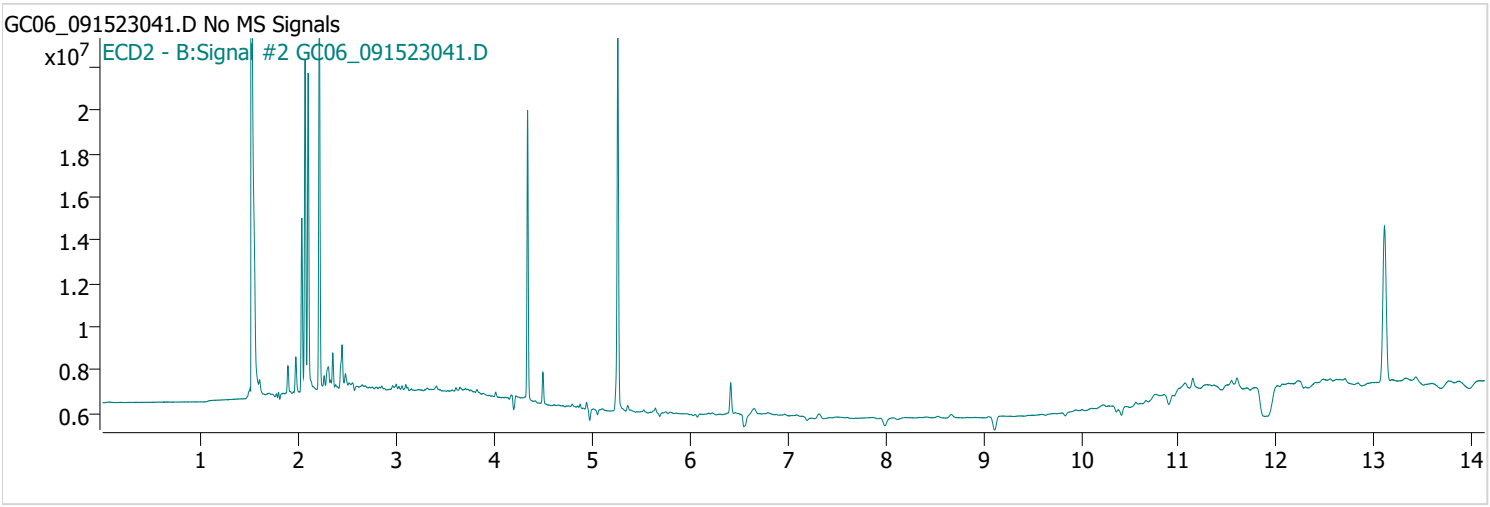
-=low bias c=CCV u=use

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523041.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/15/2023 10:41:51 PM
Sample Name	492059-010, 322492, 1	Instrument	SVOA-GC06
Vial	38	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



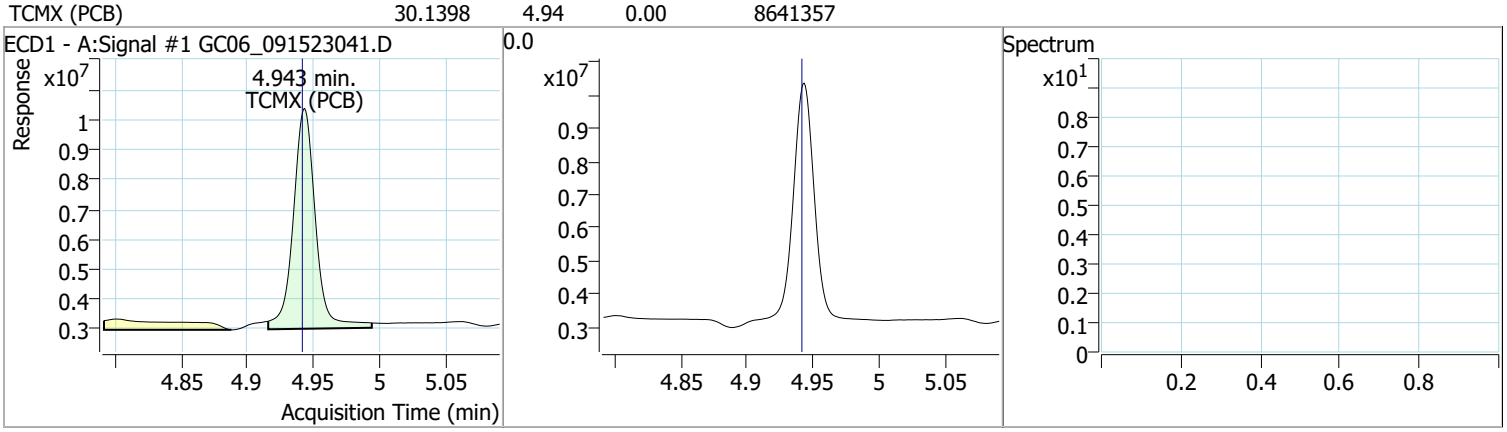


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	5380451.128	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	13036008.406	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8641357.134	30.1398	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.70%		*	
S TCMX (PCB) #2	5.267	0.0	19391737.004	28.0430	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.22%			
S Decachlorobiphenyl (PCB)	11.941	0.0	7996658.131	22.2728	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 111.36%			
S Decachlorobiphenyl (PCB) #2	13.102	0.0	17442285.852	25.3368	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 126.68%			
Target Compounds							QValue

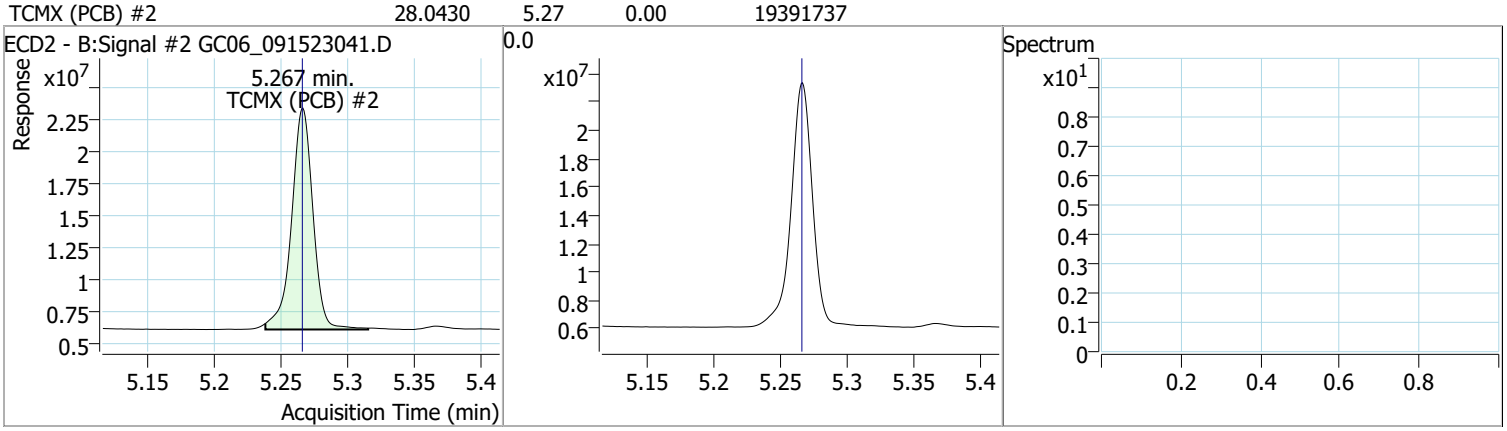
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.315	0.0	370631.675	61.7602	ng/ml	100
T AR1016 2	5.640	0.0	311685.069	25.5826	ng/ml	100
T AR1016 1 #2	5.757	0.0	637940.192	46.9827	ng/ml	100
T AR1016 3	6.050	0.0	845734.458	54.3101	ng/ml	100
T AR1016 2 #2	6.232	0.0	1001454.016	32.8331	ng/ml	100
T AR1016 4	6.250	0.0	1429707.898	152.3233	ng/ml	100
T AR1016 5	6.663	0.0	380637.777	53.0250	ng/ml	100
T AR1016 3 #2	6.660	0.0	3989648.633	108.7038	ng/ml	100
T AR1016 4 #2	6.882	0.0	30362.731	1.1494	ng/ml	100
T AR1016 5 #2	7.513	0.0	345945.494	24.5513	ng/ml	100
T AR1260 1	8.676	0.0	1833263.284	103.0349	ng/ml	100
T AR1260 2	9.144	0.0	125950.825	4.6370	ng/ml	100
T AR1260 3	9.452	0.0	316320.326	10.8987	ng/ml	100
T AR1260 1 #2	9.668	0.0	92773.682	2.5235	ng/ml	100
T AR1260 4	9.890	0.0	483624.889	30.5848	ng/ml	100
T AR1260 2 #2	10.016	0.0	128944.408	3.1108	ng/ml	100
T AR1260 3 #2	10.380	0.0	296149.767	5.5830	ng/ml	100
T AR1260 5	10.728	0.0	592467.994	23.6963	ng/ml	100
T AR1260 4 #2	10.759	0.0	1949579.787	62.9240	ng/ml	100
T AR1260 5 #2	11.539	0.0	1588344.827	35.3685	ng/ml	100

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

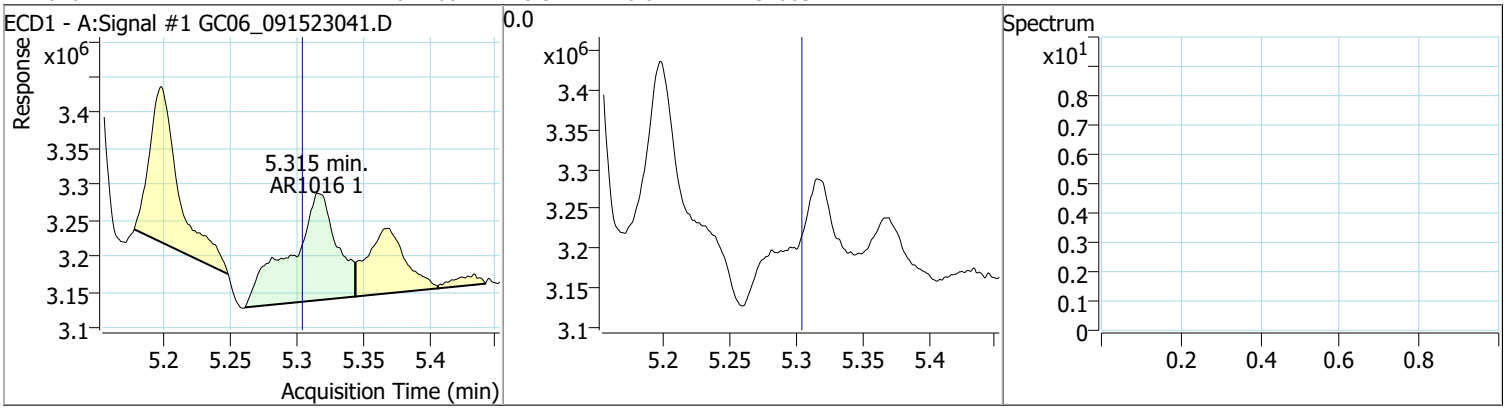
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.1398	4.94	0.00	8641357				



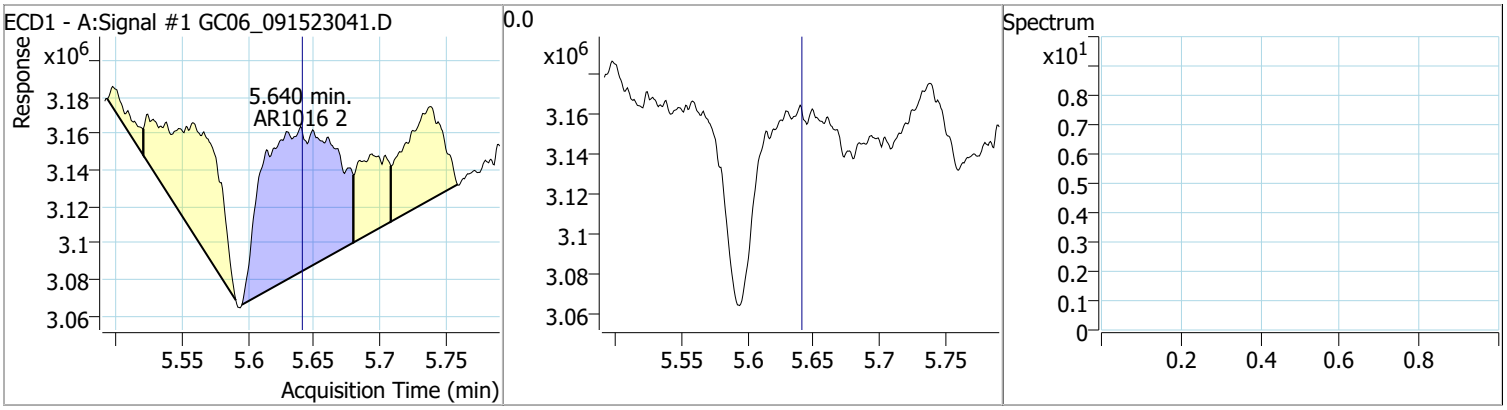
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.0430	5.27	0.00	19391737				



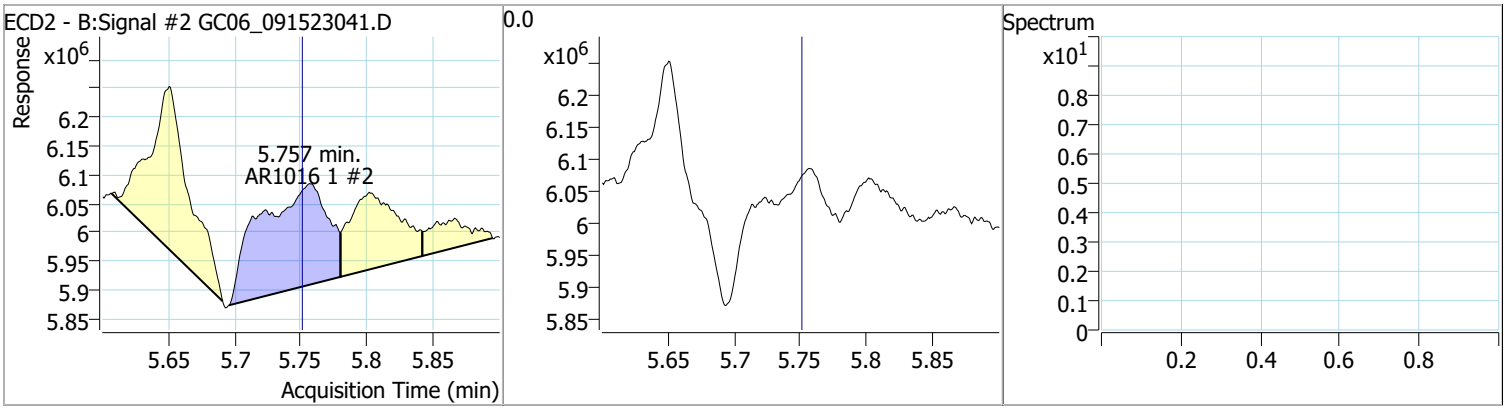
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	61.7602	5.32	0.01	370632				



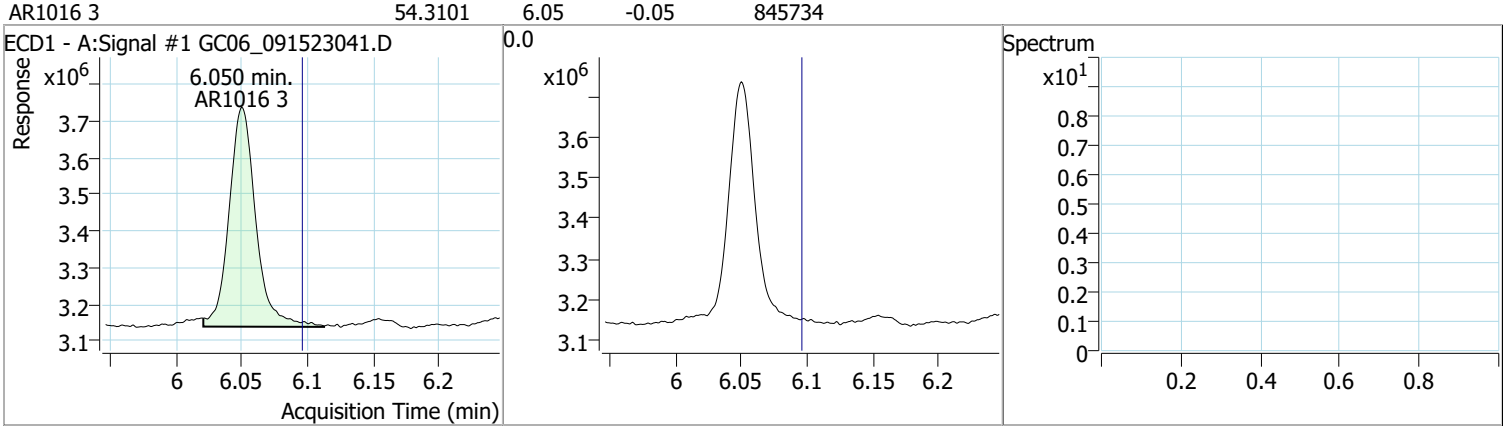
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.5826	5.64	0.00	311685				



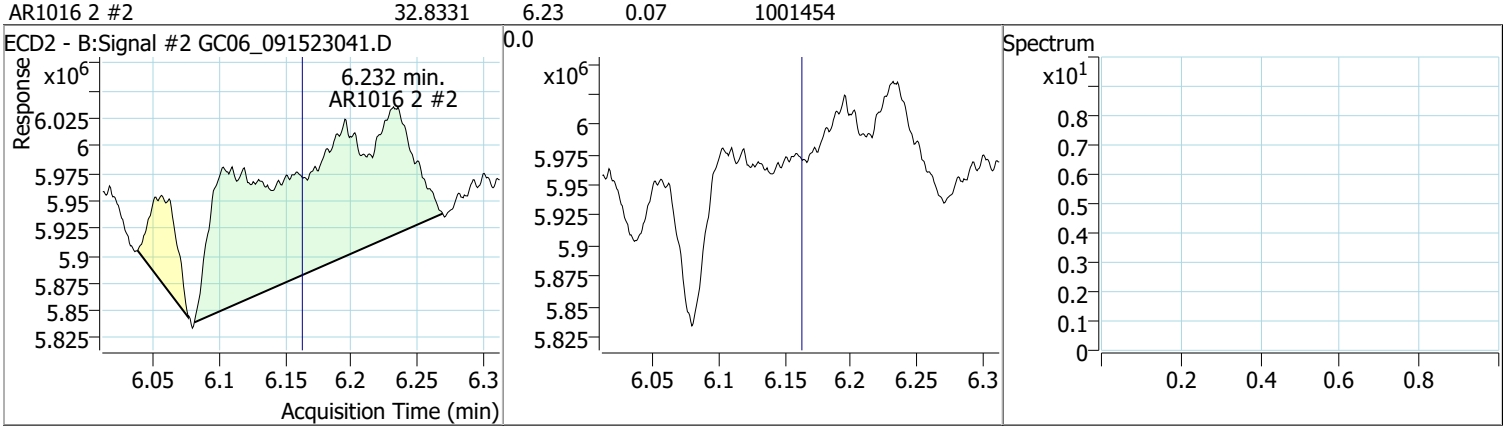
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	46.9827	5.76	0.01	637940				



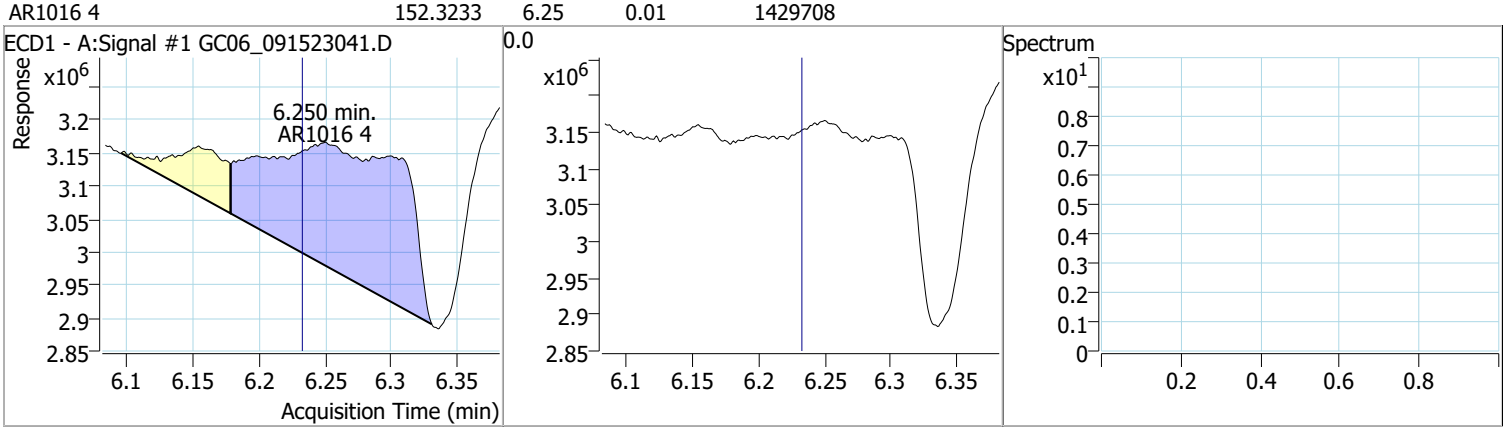
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.3101	6.05	-0.05	845734				



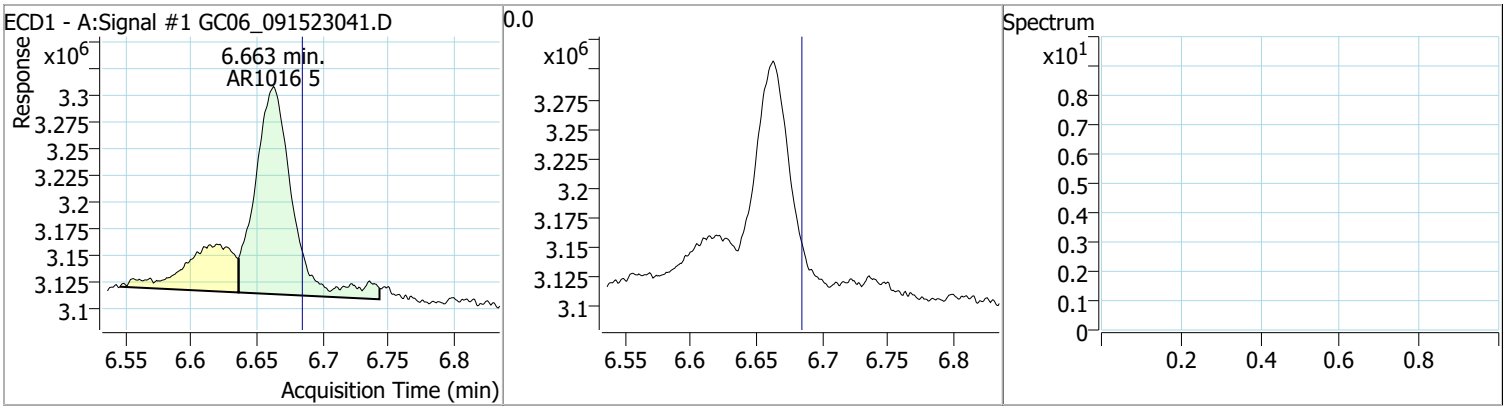
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	32.8331	6.23	0.07	1001454				



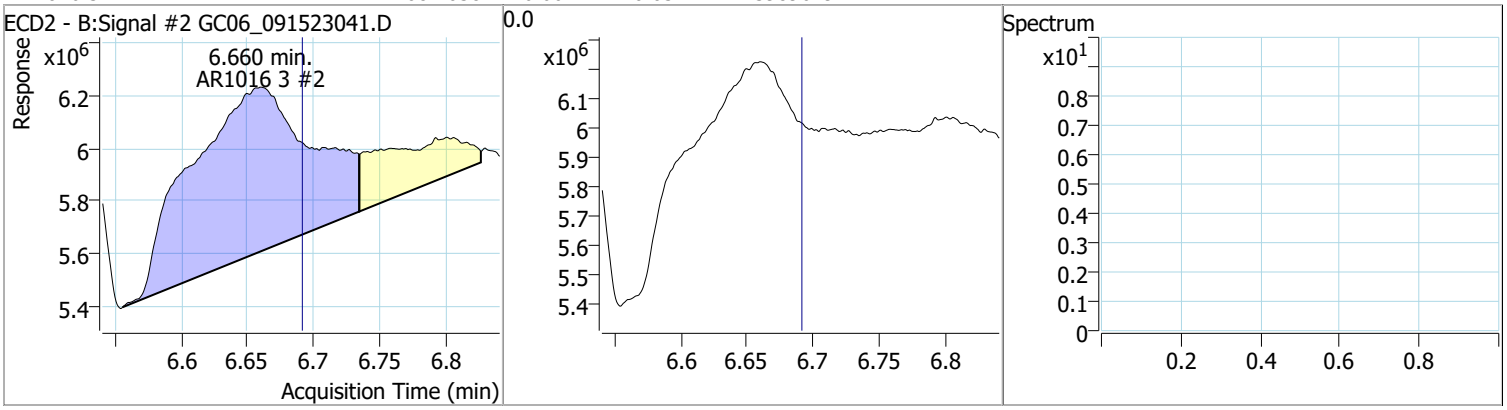
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	152.3233	6.25	0.01	1429708				



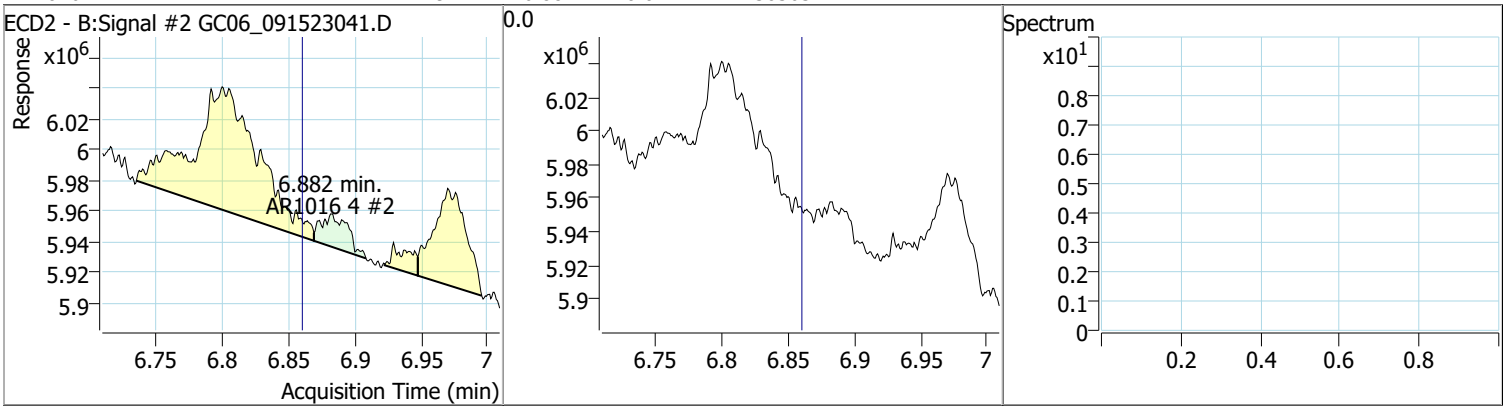
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	53.0250	6.66	-0.03	380638				



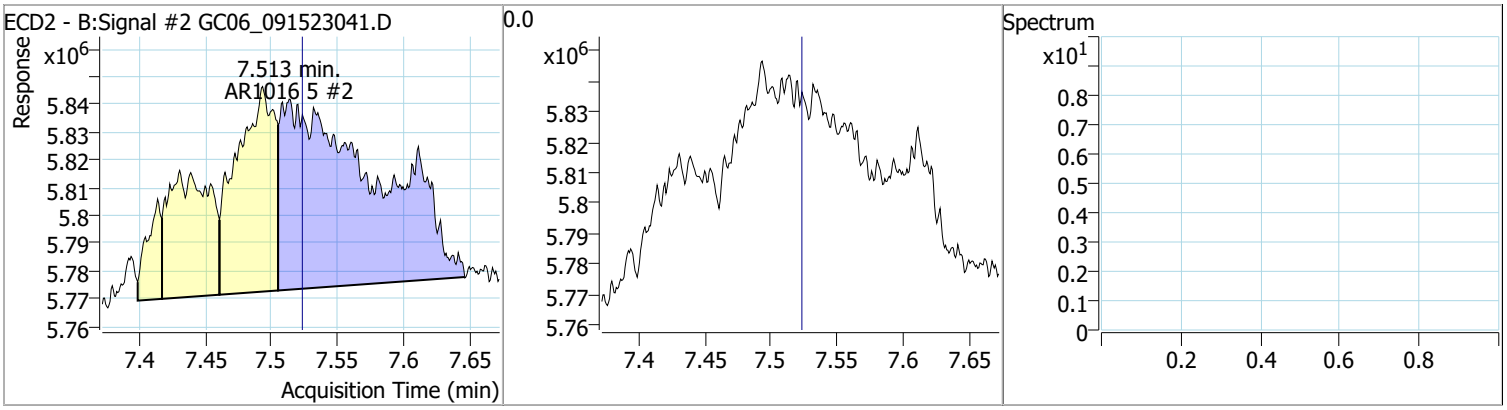
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	108.7038	6.66	-0.03	3989649				



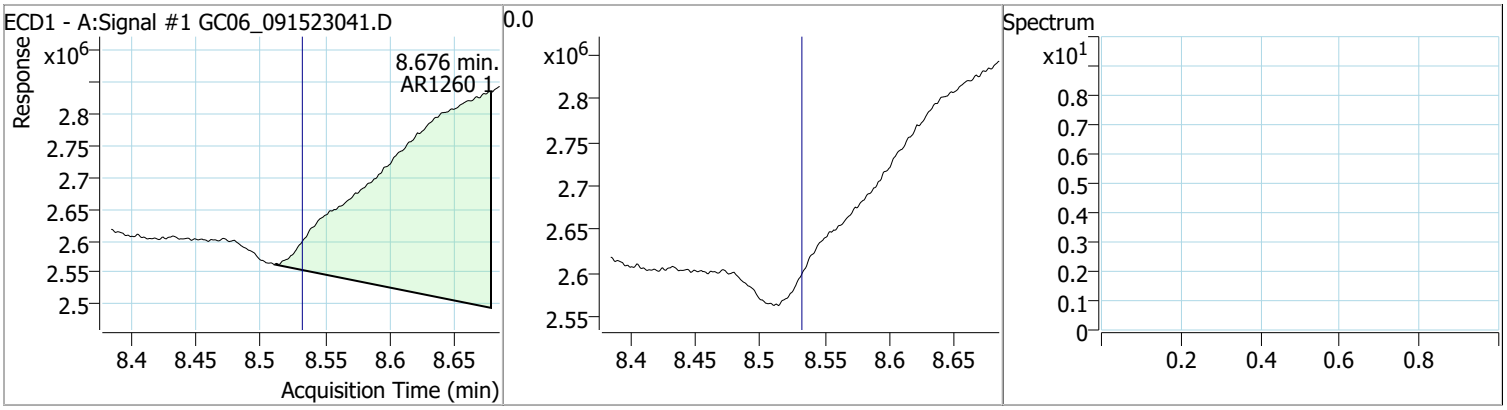
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.1494	6.88	0.02	30363				



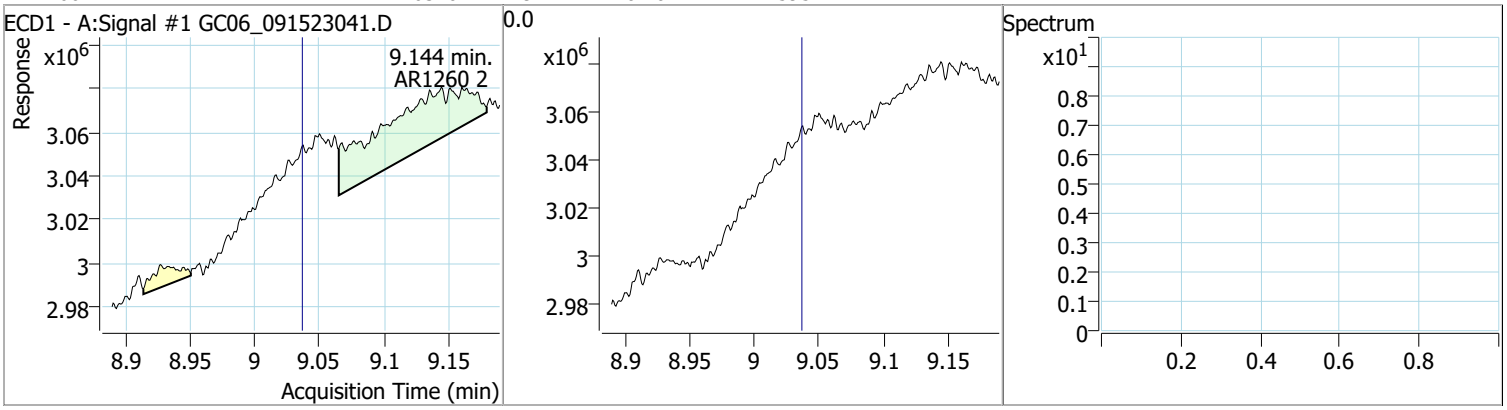
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.5513	7.51	-0.01	345945				



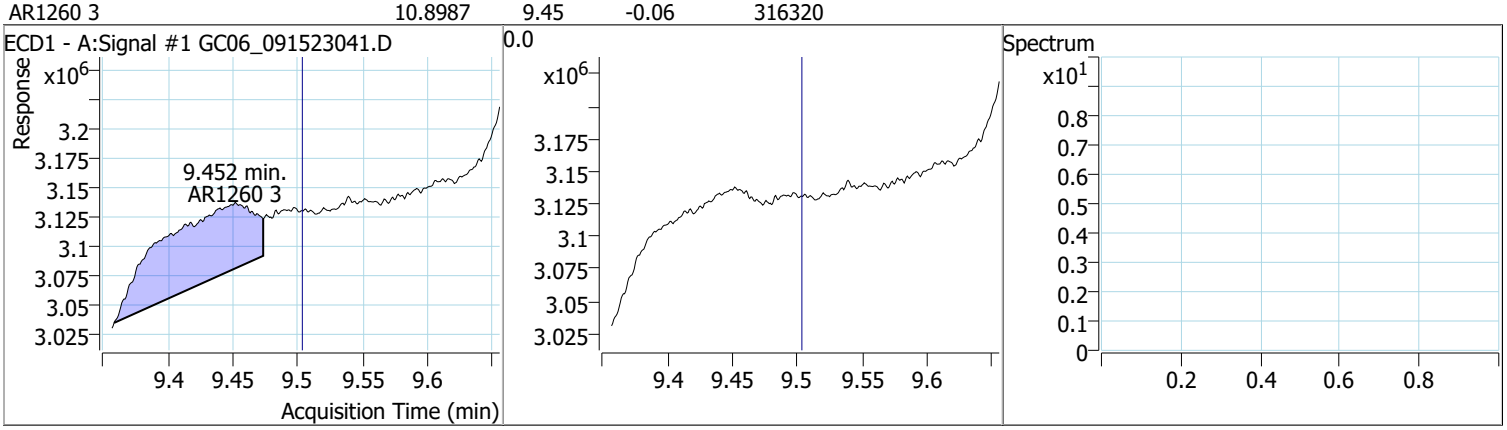
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	103.0349	8.68	0.14	1833263				



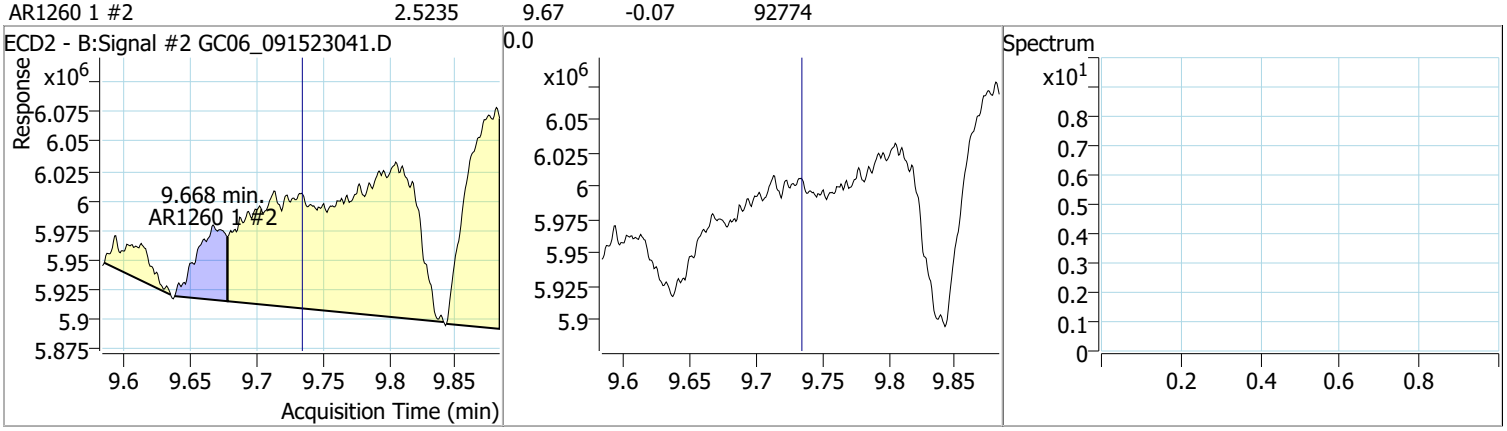
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.6370	9.14	0.10	125951				



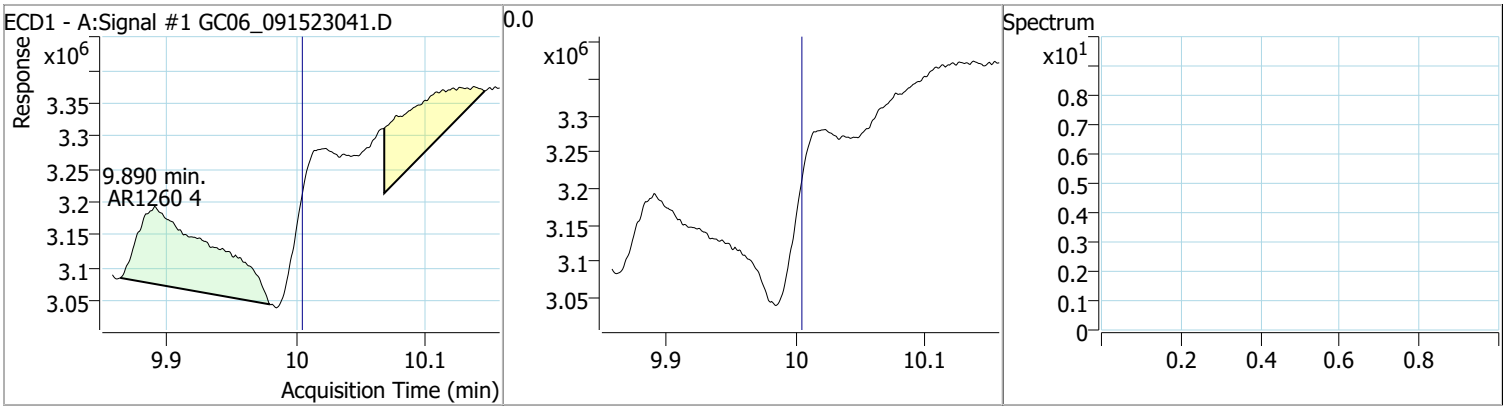
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	10.8987	9.45	-0.06	316320				



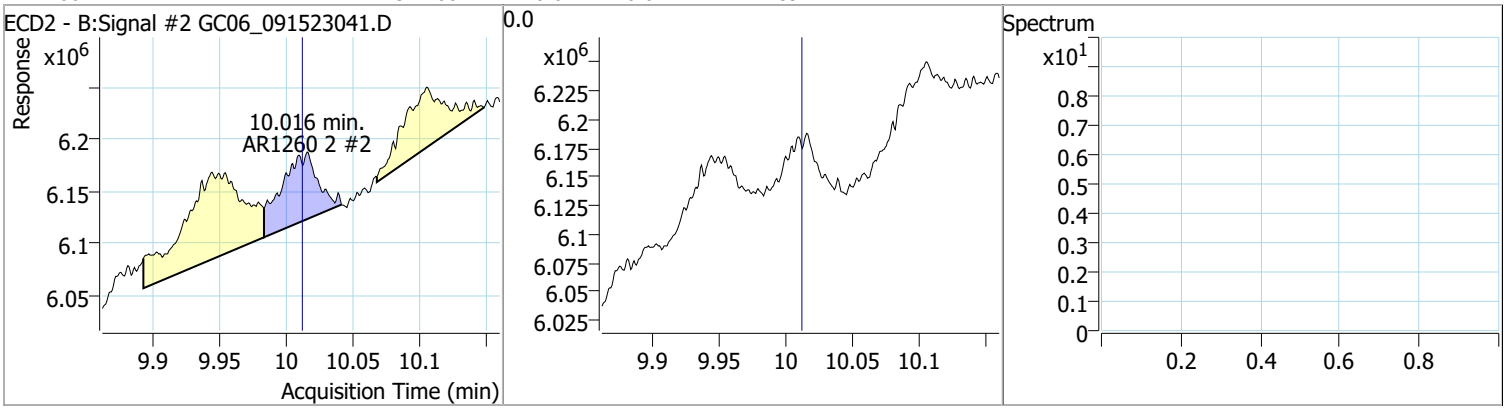
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.5235	9.67	-0.07	92774				



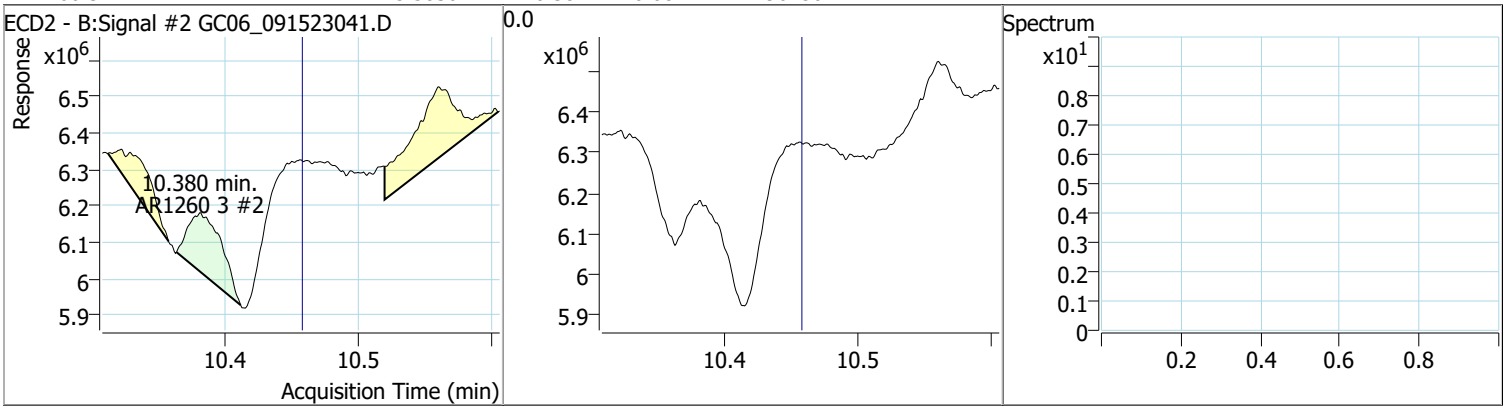
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	30.5848	9.89	-0.12	483625				



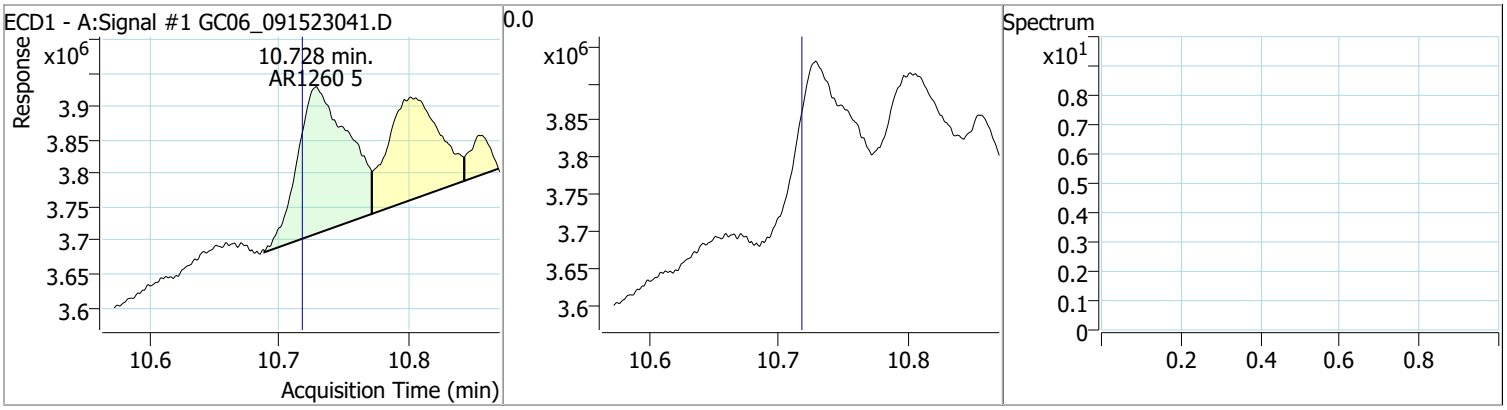
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.1108	10.02	0.01	128944				



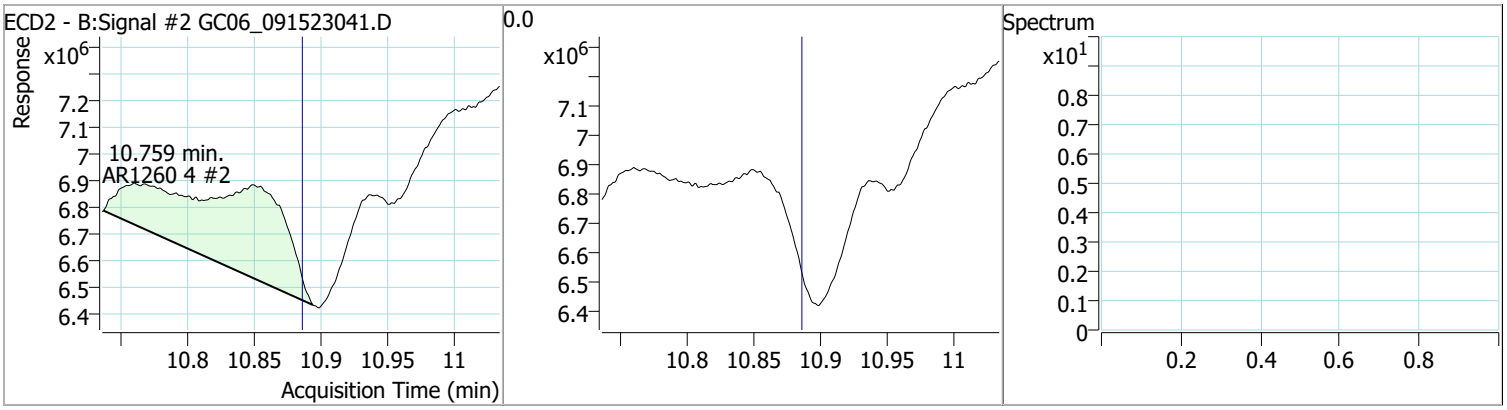
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.5830	10.38	-0.08	296150				



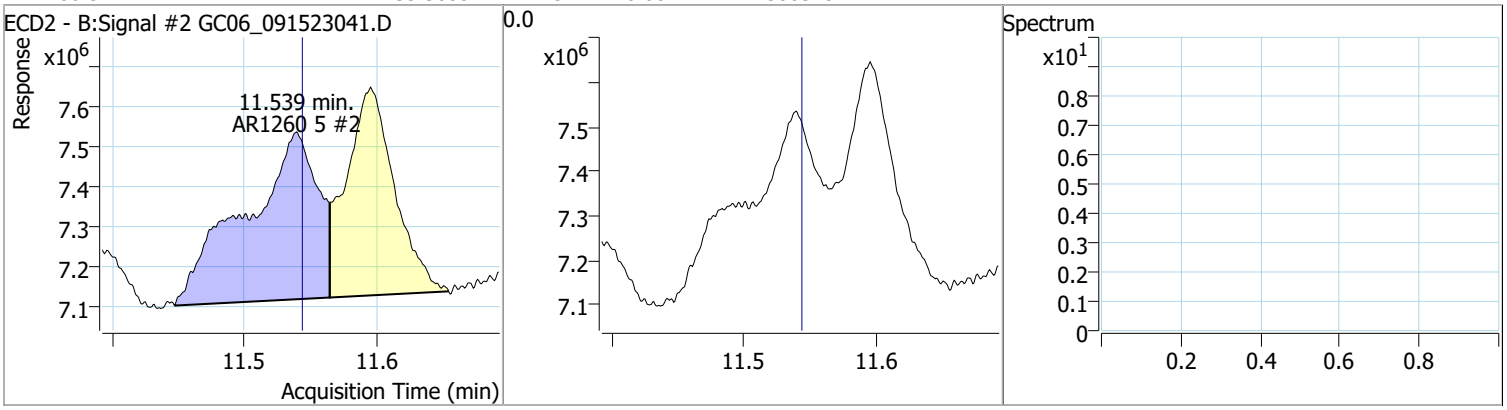
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.6963	10.73	0.00	592468				



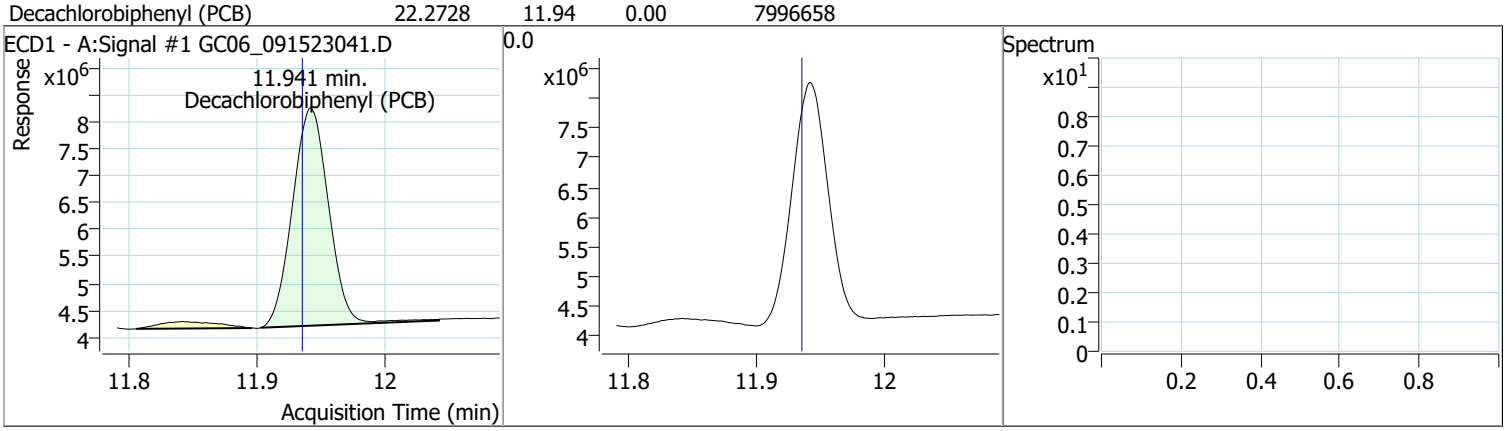
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	62.9240	10.76	-0.12	1949580				



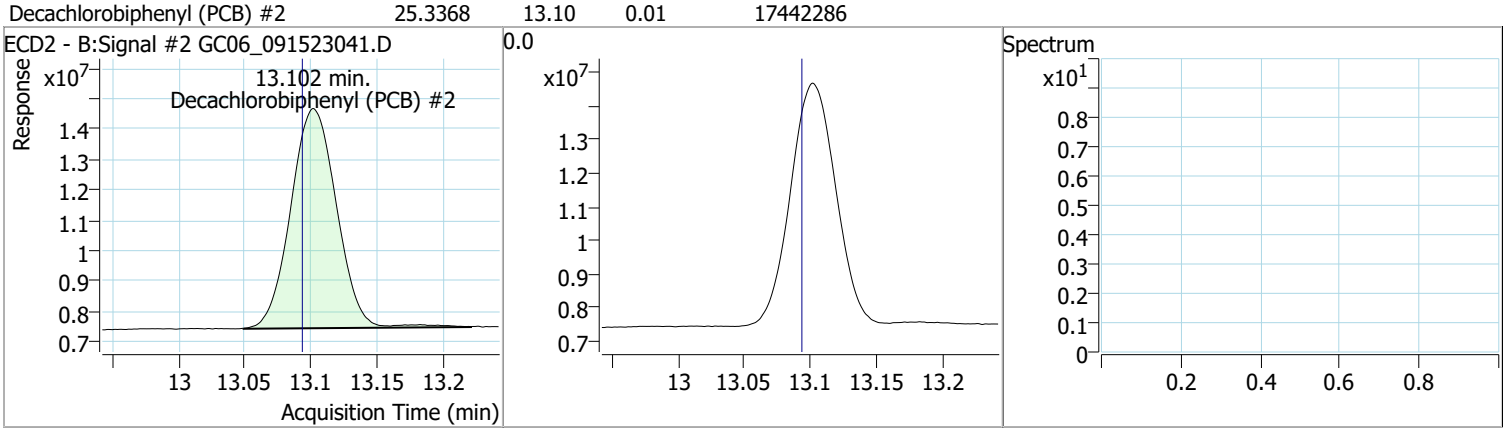
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	35.3685	11.54	0.00	1588345				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	22.2728	11.94	0.00	7996658				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	25.3368	13.10	0.01	17442286				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-011	Client ID:	ARCH-C9W-MED-L3-UP-C9.7-DG-230911-P-DUP-LA
Seqnum:	453372148048	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523048	Batch:	322492	Time:	16-SEP-2023 00:53
Cal:	453205686001	Caldate:	22-MAY-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	49.59	ND	0.75	41%	0.50		u
Aroclor-1016 Peak # 1	B	103.5	1.04	0.69	40%			
Aroclor-1016 Peak # 2	B	37.75	0.38	0.26	38%			
Aroclor-1016 Peak # 3	B	100.6	1.01	0.60	51%			
Aroclor-1016 Peak # 4	B	2.438	0.02	1.69	194%			
Aroclor-1016 Peak # 5	B	3.631	0.04	0.54	175%			
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	8.672	ND	0.25	97%	0.50		u
Aroclor-1260 Peak # 1	B	21.78	0.22	0.25	15%			
Aroclor-1260 Peak # 2	B	1.421	0.01	0.05	107%			
Aroclor-1260 Peak # 3	B	6.704	0.07	0.16	82%			
Aroclor-1260 Peak # 4	B	5.164	0.05	0.53	165%			
Aroclor-1260 Peak # 5	B	8.285	0.08	0.27	105%			
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	29.25	0.5000	0.2925	59	19-121	c- u
Decachlorobiphenyl (PCB)	B	27.10	0.5000	0.2710	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_091523043)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12178827	12750237	4.69
1-bromo-2-nitrobenzene (PCB)	A	5027098	5057007	0.59

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_091523043)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

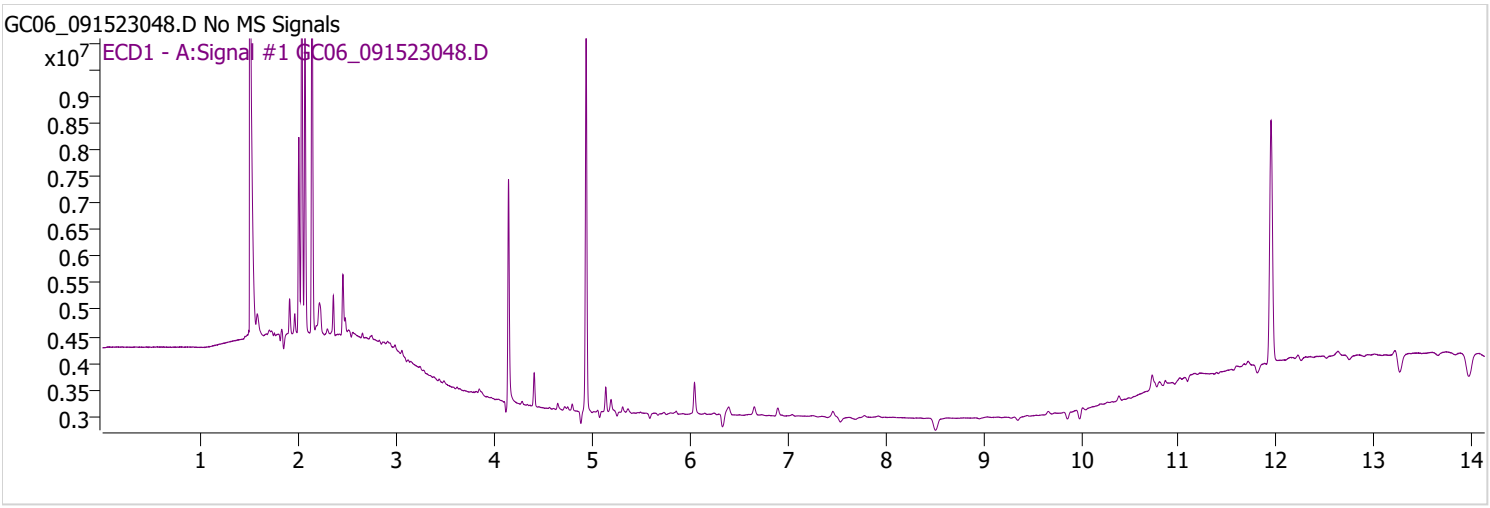
09/18/23 : WIPE/1S-10ML

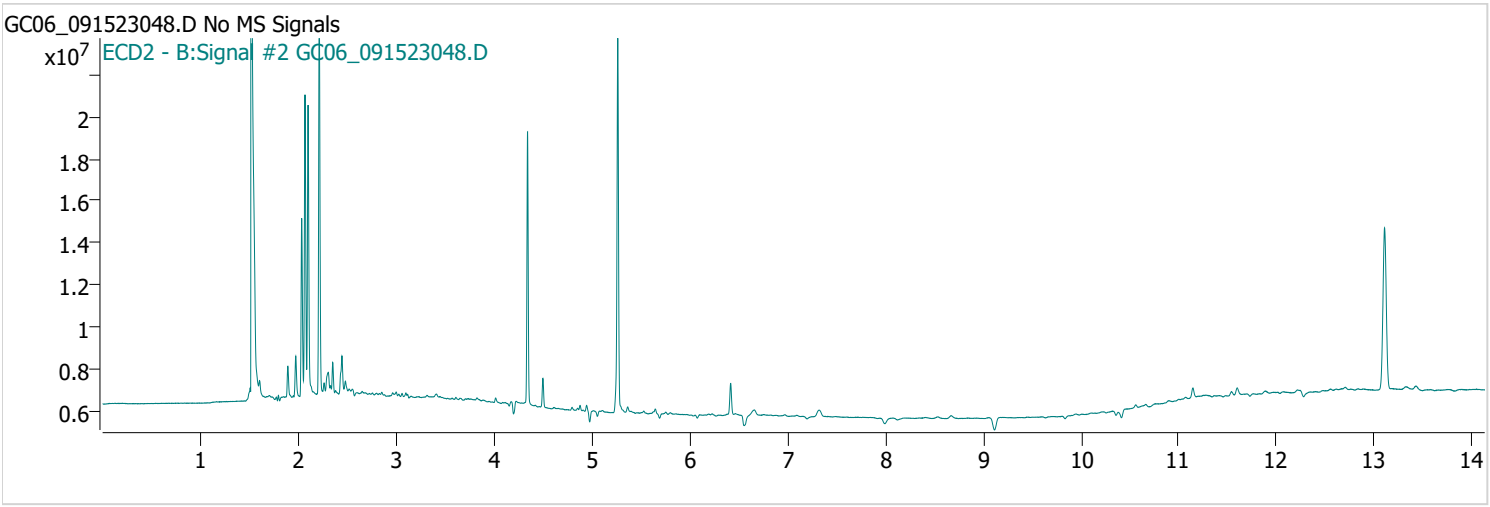
-=low bias c=CCV u=use

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523048.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/16/2023 12:53:52 AM
Sample Name	492059-011, 322492, 1	Instrument	SVOA-GC06
Vial	39	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



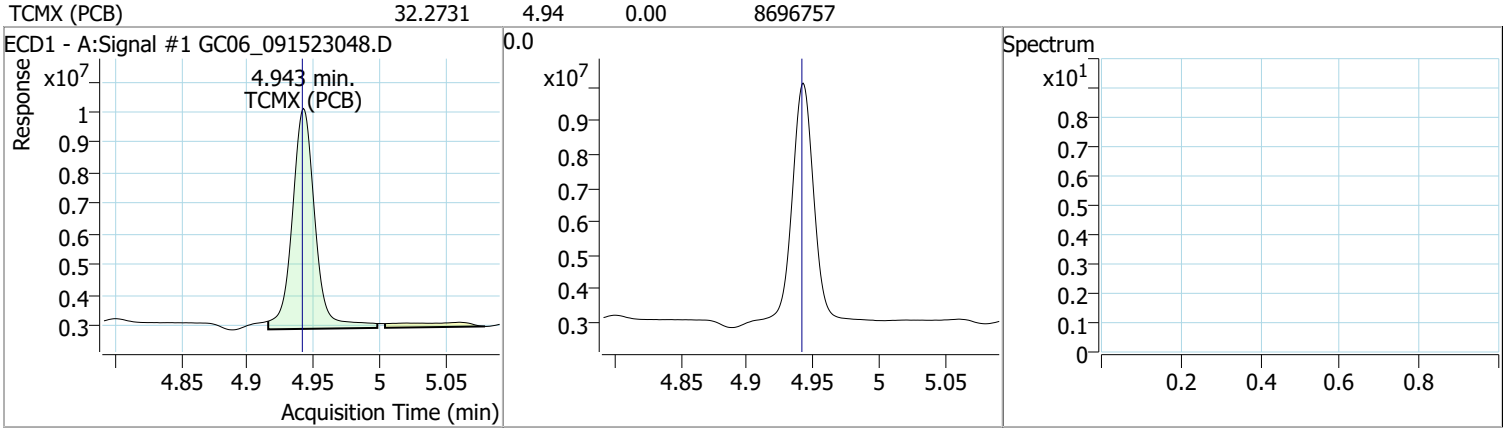


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	5057006.734	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	12750236.730	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8696756.813	32.2731	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.37%		*	
S TCMX (PCB) #2	5.266	0.0	19786013.834	29.2545	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.27%			
S Decachlorobiphenyl (PCB)	11.943	0.0	9683125.388	28.6950	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.48%			
S Decachlorobiphenyl (PCB) #2	13.103	0.0	18245751.863	27.0979	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.49%			
Target Compounds							QValue

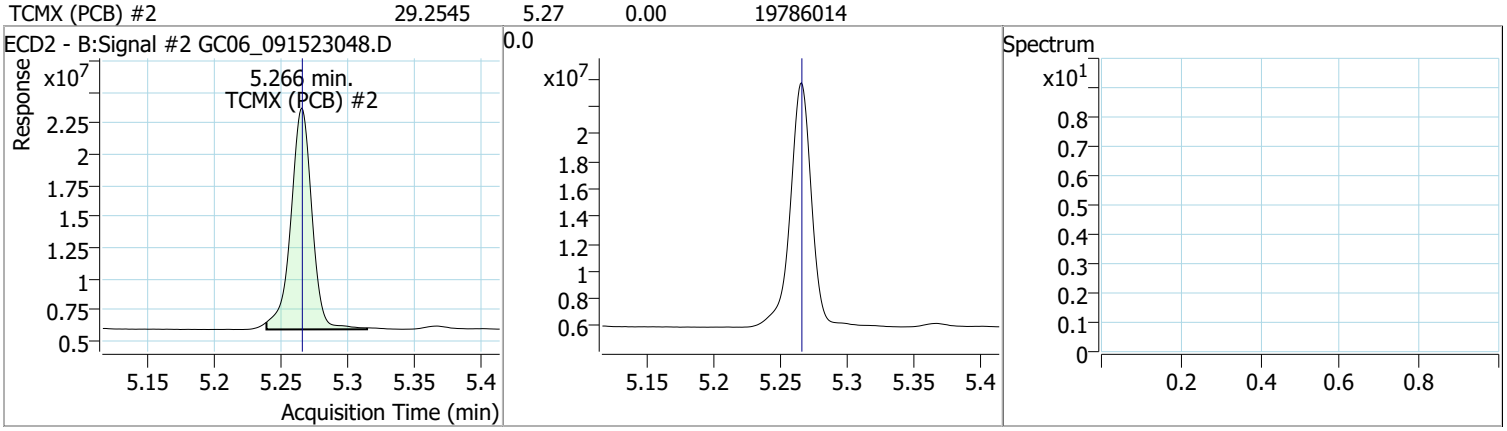
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.316	0.0	390149.296	69.1707	ng/ml	100
T AR1016 2	5.645	0.0	295562.535	25.8109	ng/ml	100
T AR1016 1 #2	5.755	0.0	1374582.583	103.5035	ng/ml	100
T AR1016 3	6.050	0.0	873728.345	59.6964	ng/ml	100
T AR1016 2 #2	6.233	0.0	1126319.466	37.7545	ng/ml	100
T AR1016 4	6.155	0.0	1491869.486	169.1123	ng/ml	100
T AR1016 5	6.660	0.0	361100.920	53.5208	ng/ml	100
T AR1016 3 #2	6.663	0.0	3611341.782	100.6017	ng/ml	100
T AR1016 4 #2	6.883	0.0	62991.421	2.4380	ng/ml	100
T AR1016 5 #2	7.491	0.0	50047.038	3.6314	ng/ml	100
T AR1260 1	8.443	0.0	422492.274	25.2641	ng/ml	100
T AR1260 2	9.043	0.0	120245.809	4.7101	ng/ml	100
T AR1260 3	9.541	0.0	436145.611	15.9884	ng/ml	100
T AR1260 1 #2	9.808	0.0	783308.567	21.7839	ng/ml	100
T AR1260 4	9.956	0.0	791103.590	53.2300	ng/ml	100
T AR1260 2 #2	10.013	0.0	57607.220	1.4209	ng/ml	100
T AR1260 3 #2	10.379	0.0	347836.749	6.7044	ng/ml	100
T AR1260 5	10.728	0.0	624065.441	26.5565	ng/ml	100
T AR1260 4 #2	10.896	0.0	156493.268	5.1641	ng/ml	100
T AR1260 5 #2	11.538	0.0	363897.430	8.2847	ng/ml	100

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

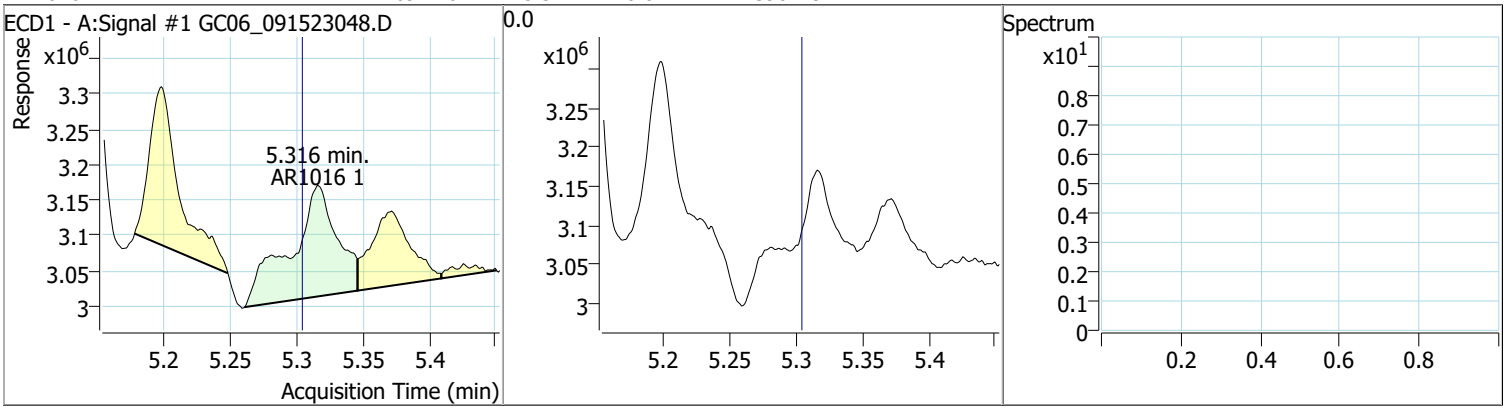
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.2731	4.94	0.00	8696757				



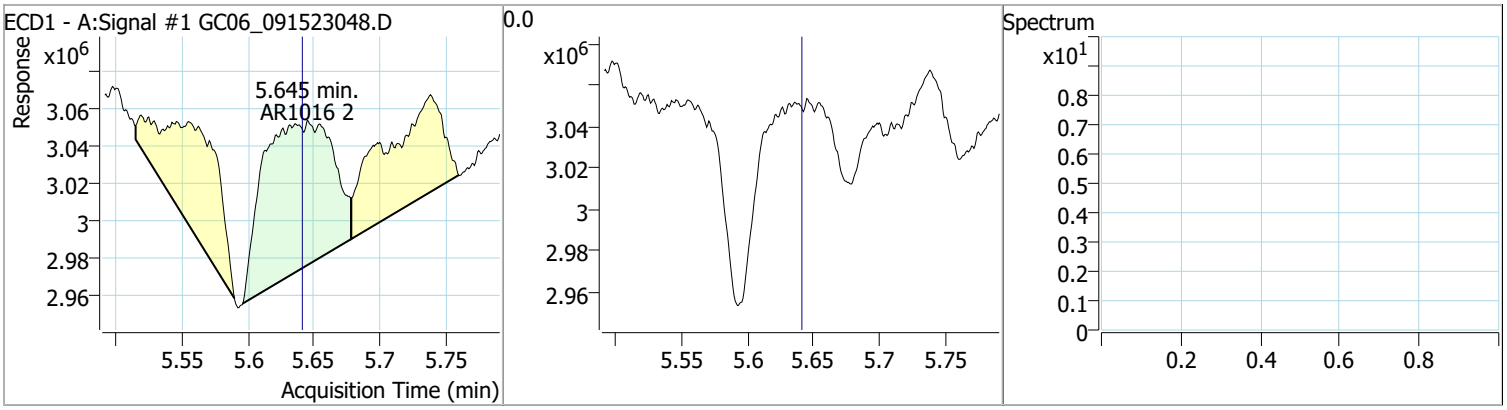
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.2545	5.27	0.00	19786014				



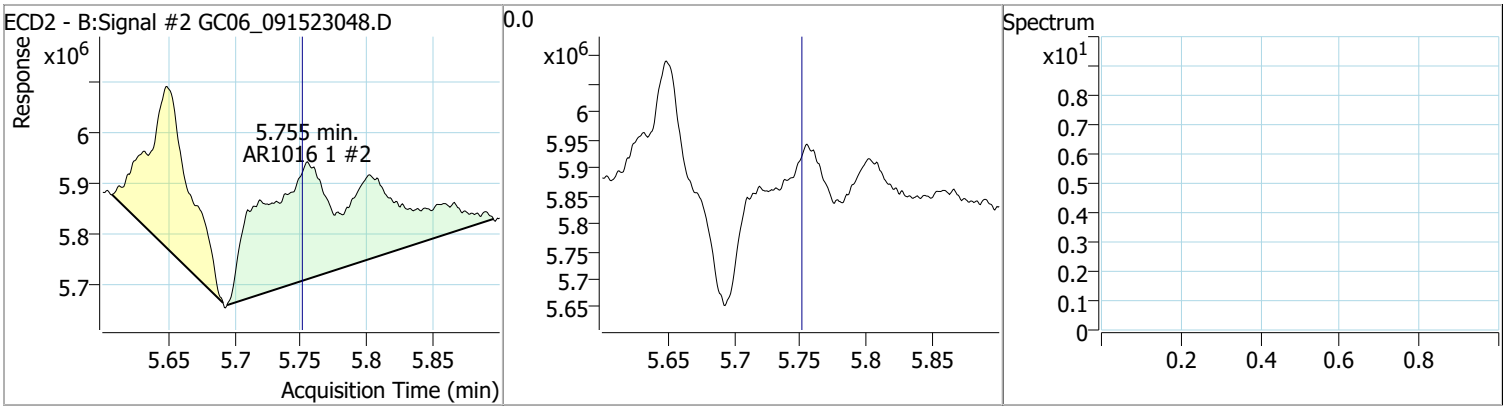
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	69.1707	5.32	0.01	390149				



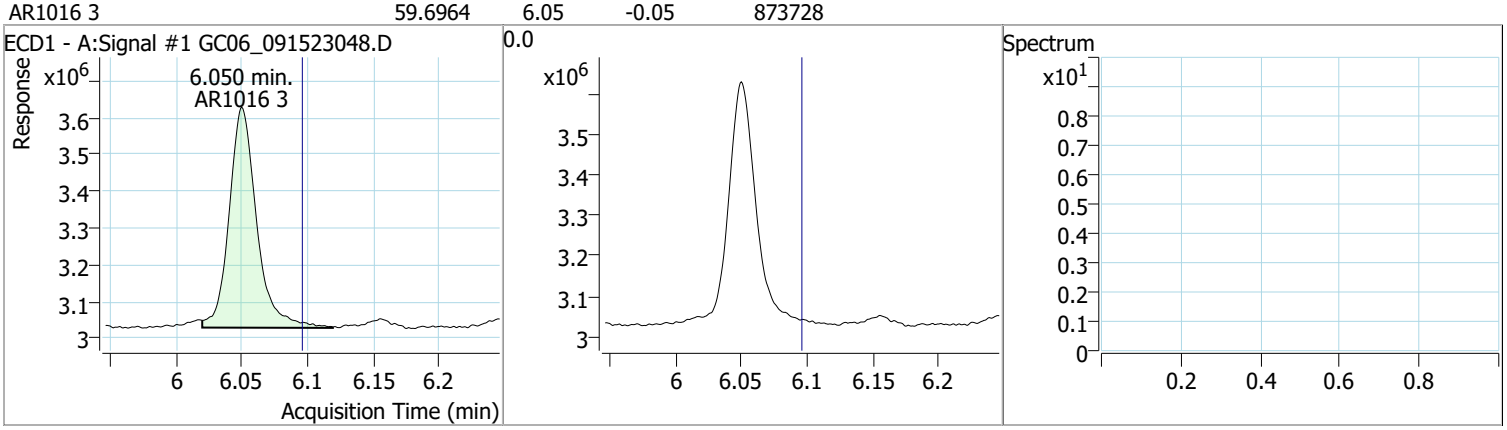
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.8109	5.65	0.00	295563				



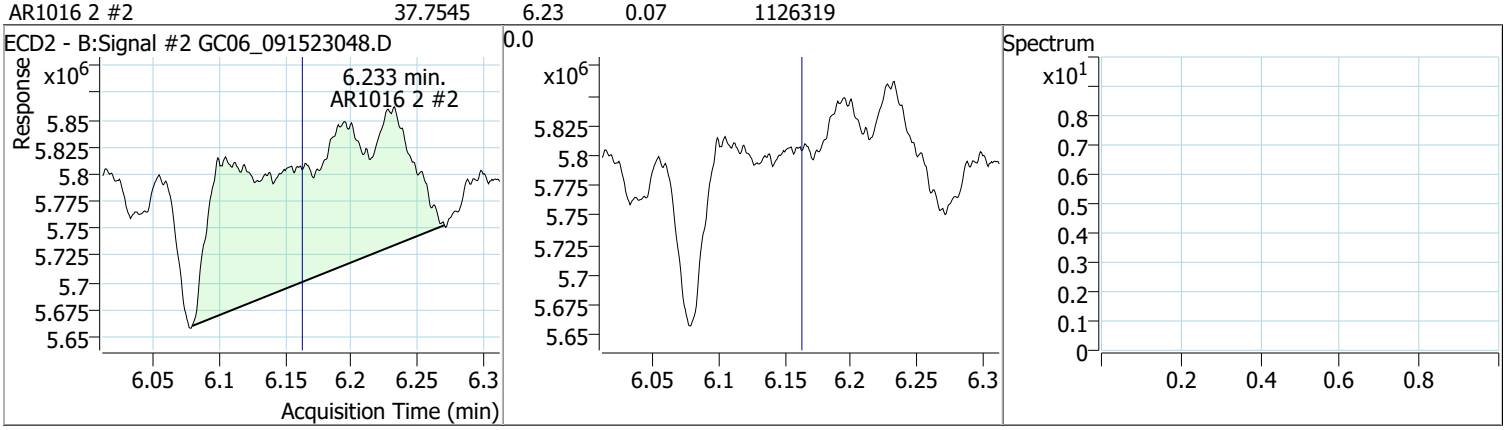
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	103.5035	5.76	0.00	1374583				



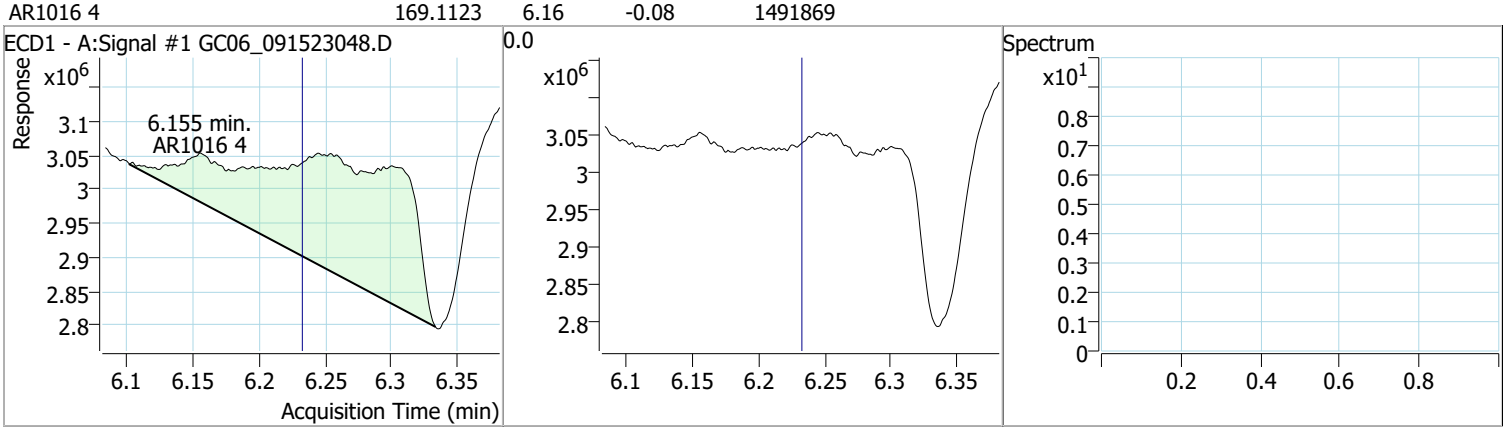
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	59.6964	6.05	-0.05	873728				



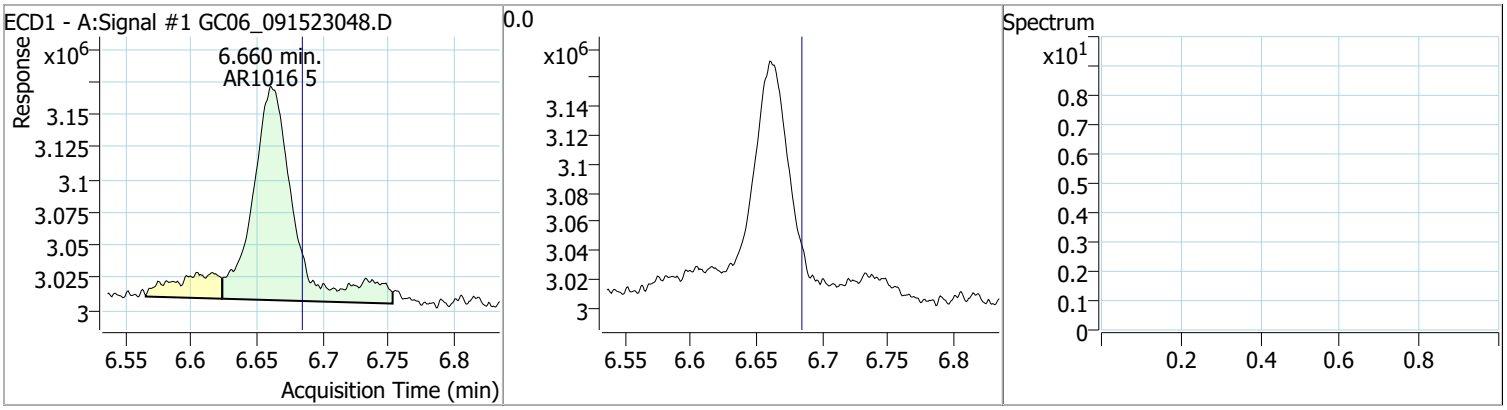
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	37.7545	6.23	0.07	1126319				



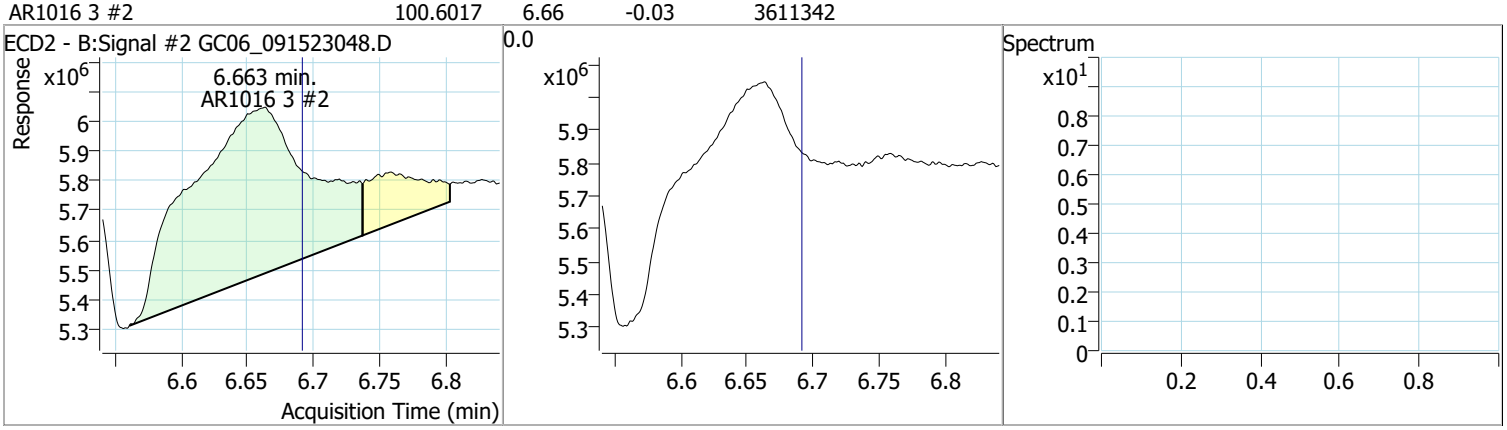
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	169.1123	6.16	-0.08	1491869				



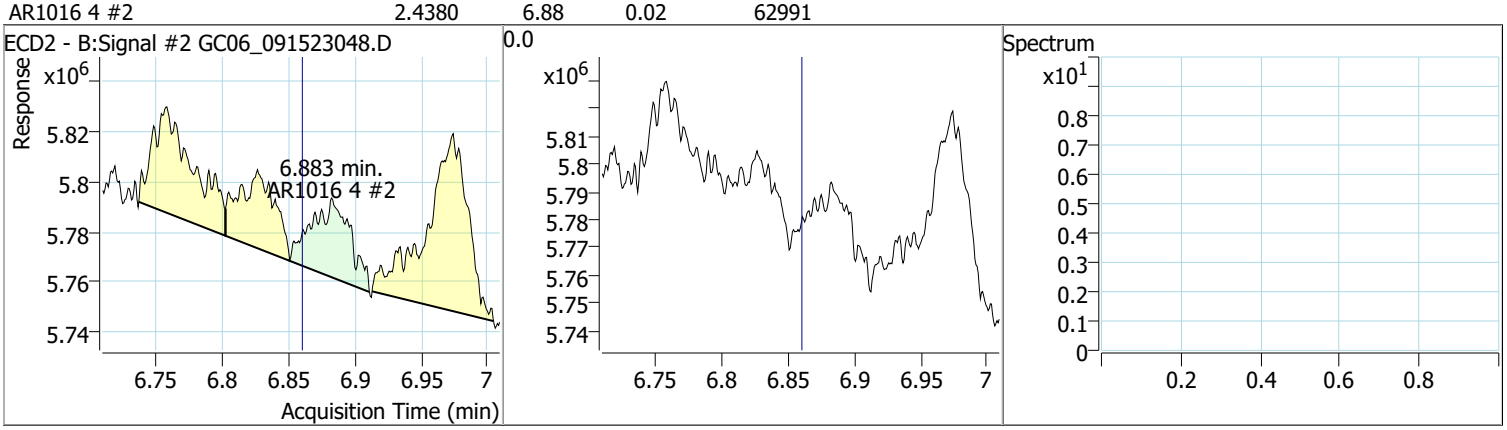
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	53.5208	6.66	-0.03	361101				



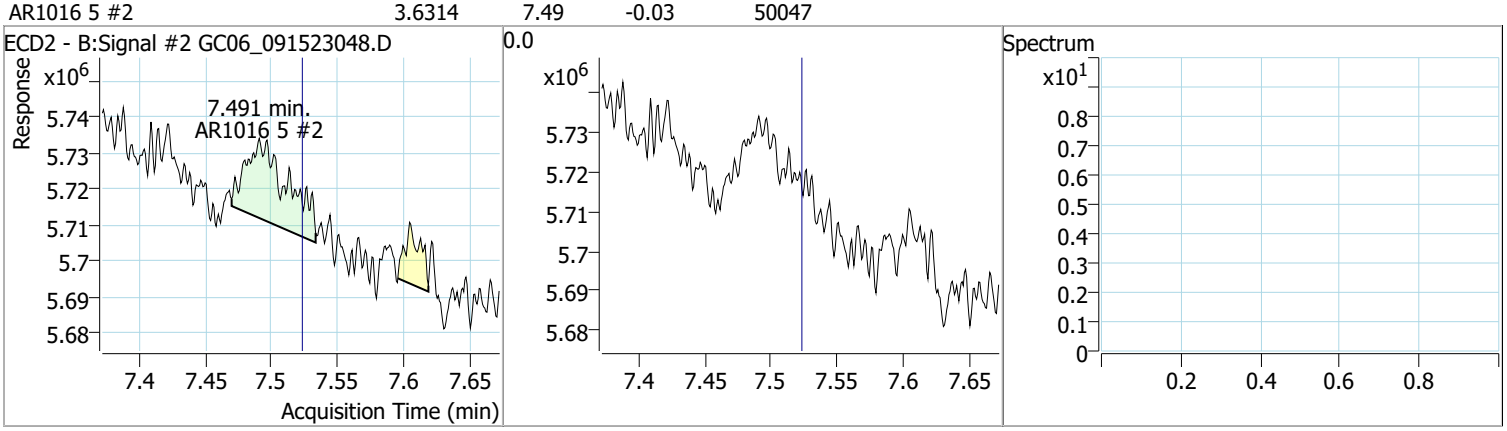
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	100.6017	6.66	-0.03	3611342				



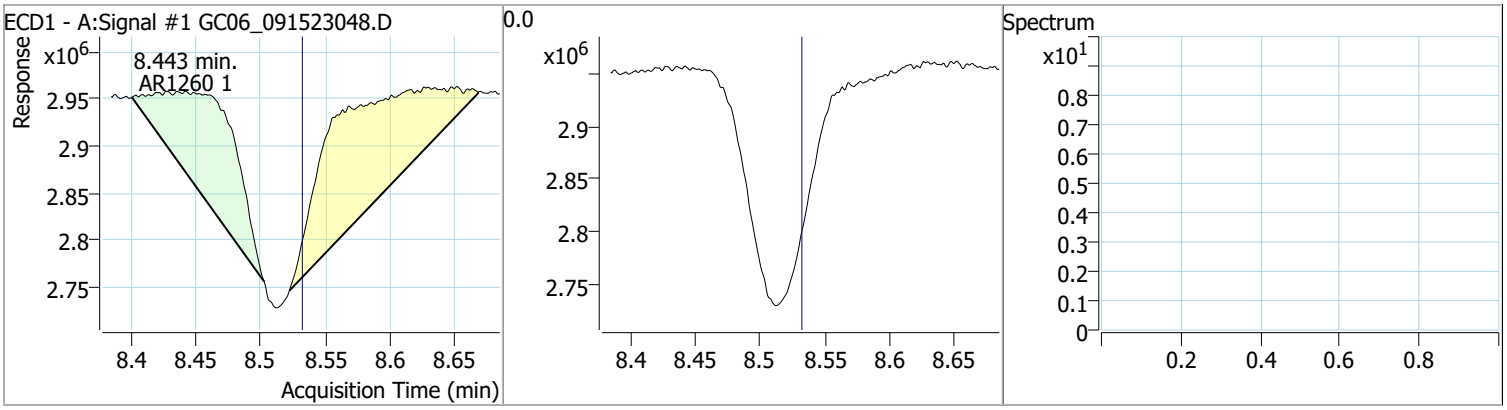
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.4380	6.88	0.02	62991				



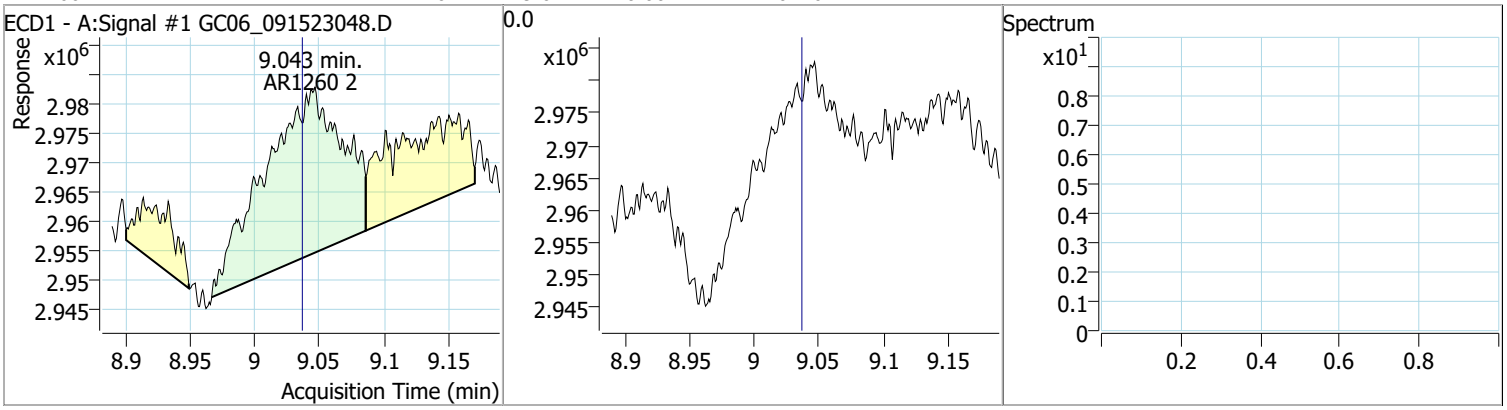
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.6314	7.49	-0.03	50047				



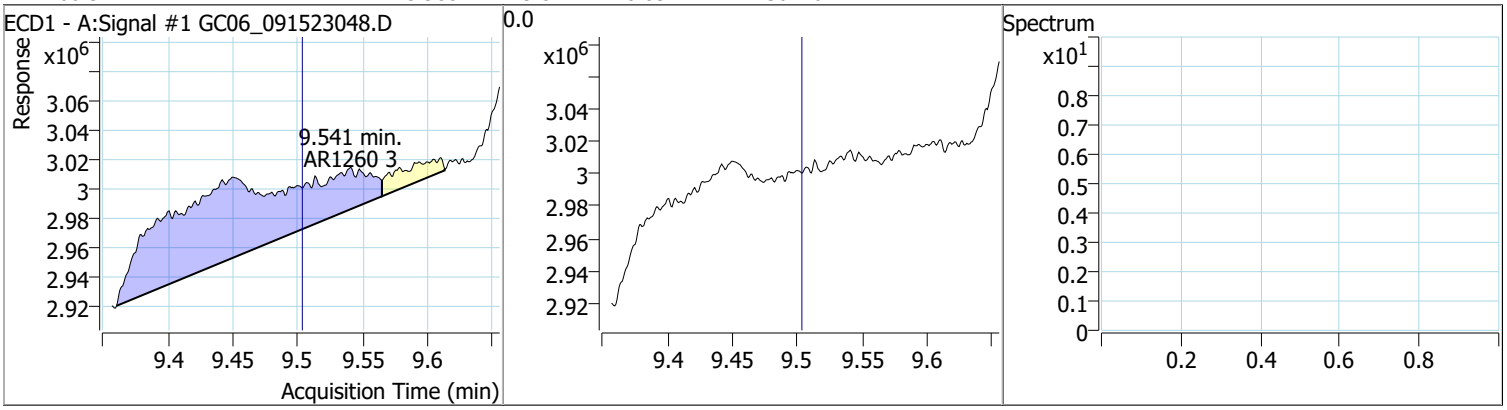
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	25.2641	8.44	-0.09	422492				



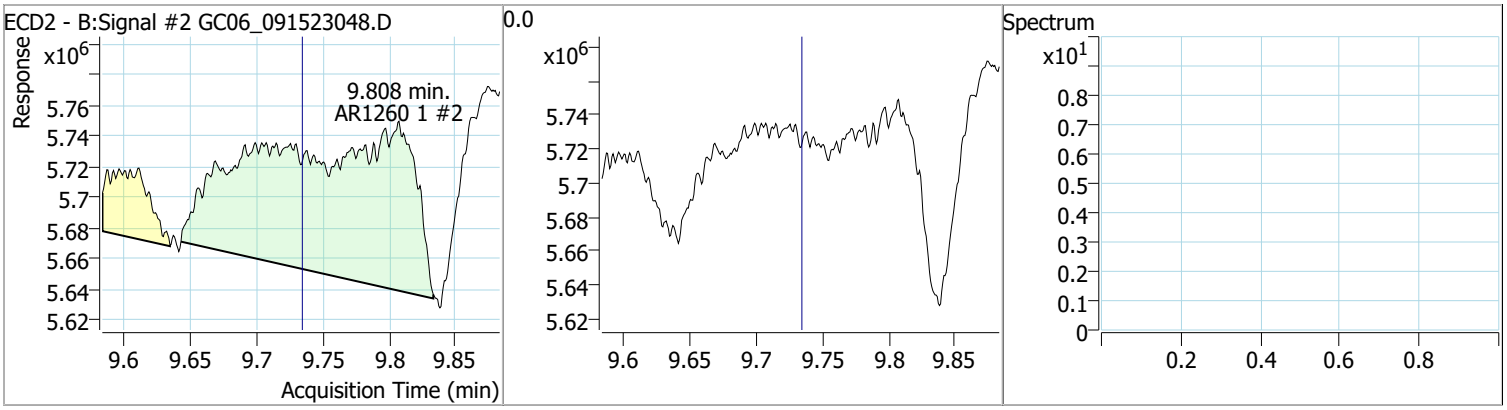
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.7101	9.04	0.00	120246				



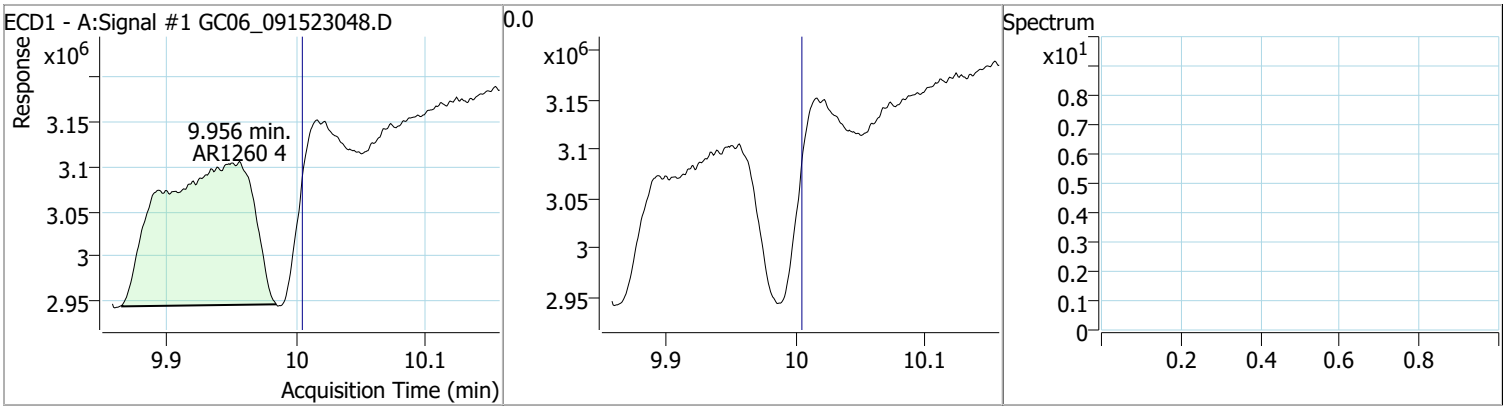
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	15.9884	9.54	0.03	436146				



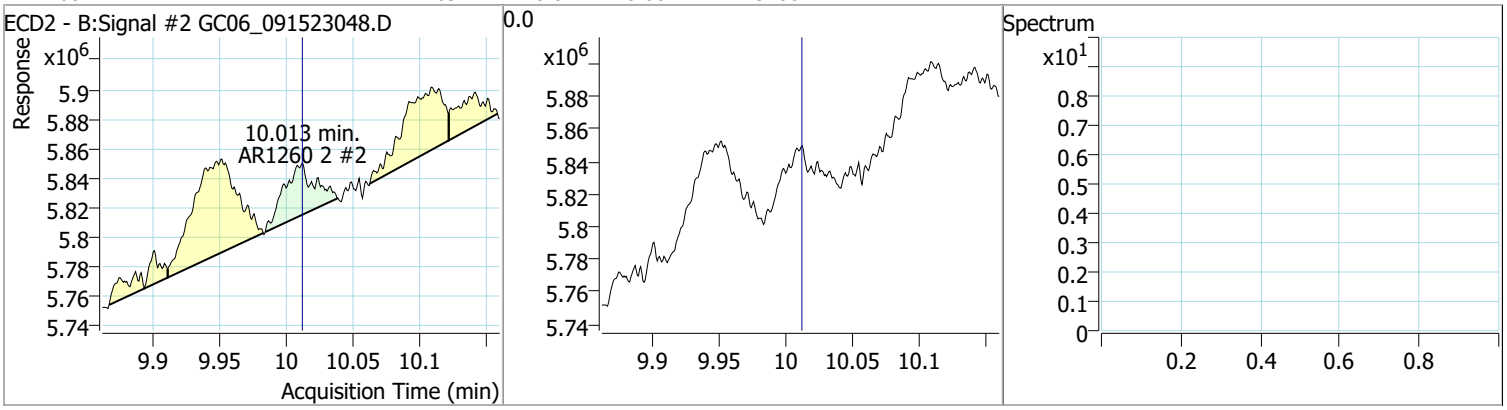
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	21.7839	9.81	0.07	783309				



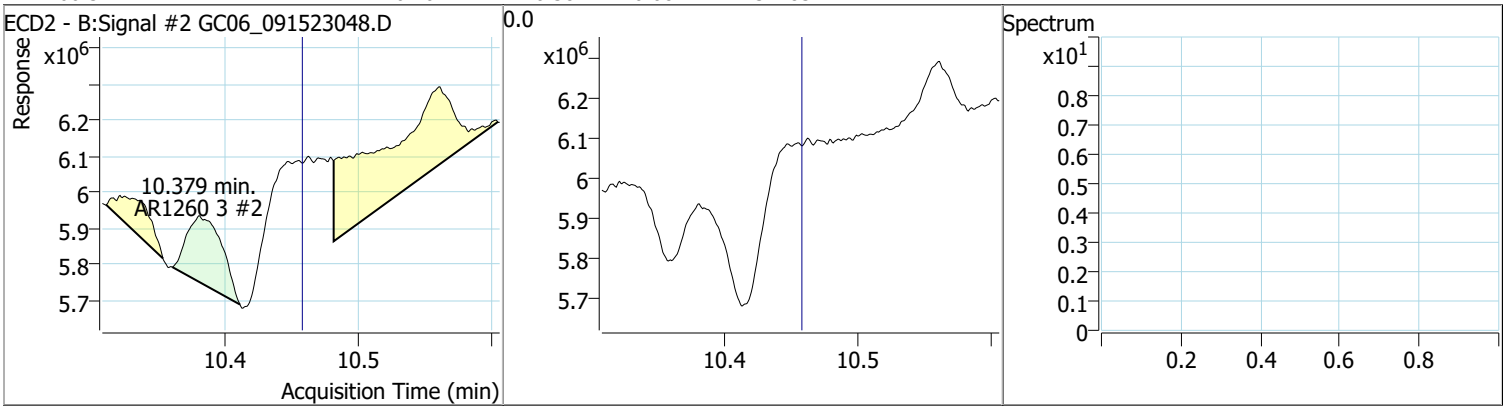
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	53.2300	9.96	-0.05	791104				



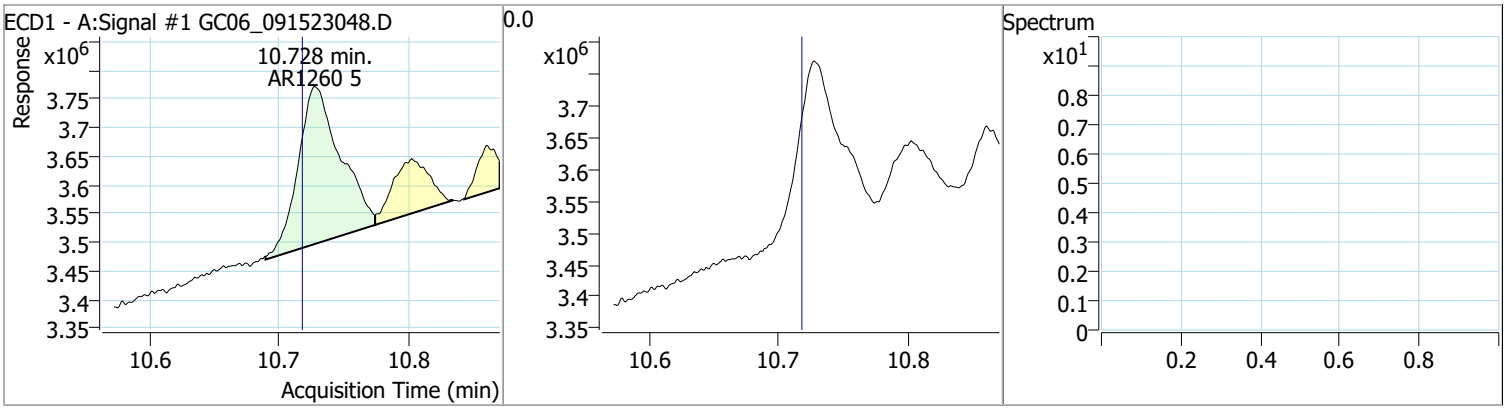
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.4209	10.01	0.00	57607				



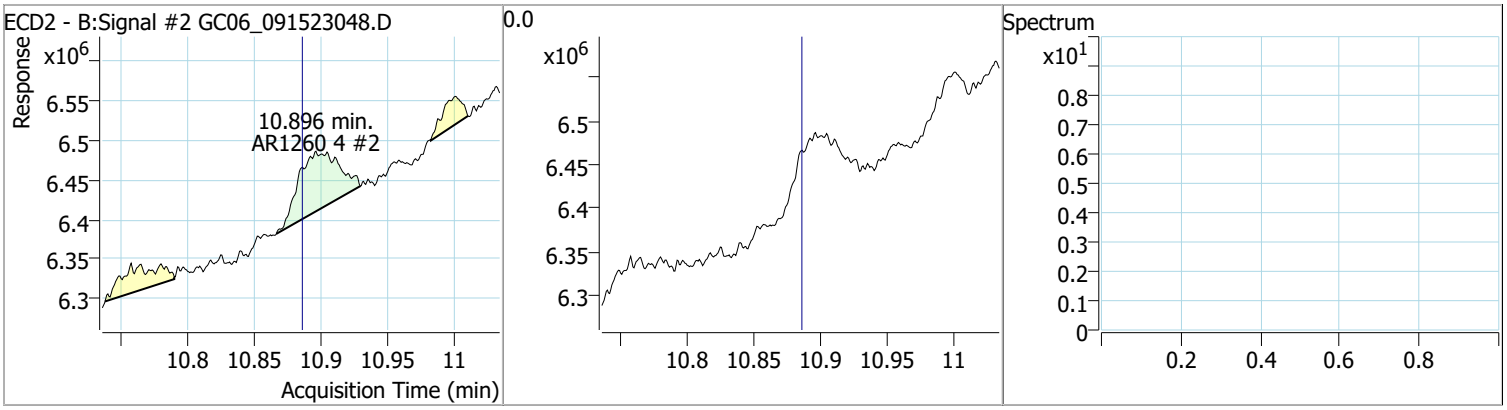
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.7044	10.38	-0.08	347837				



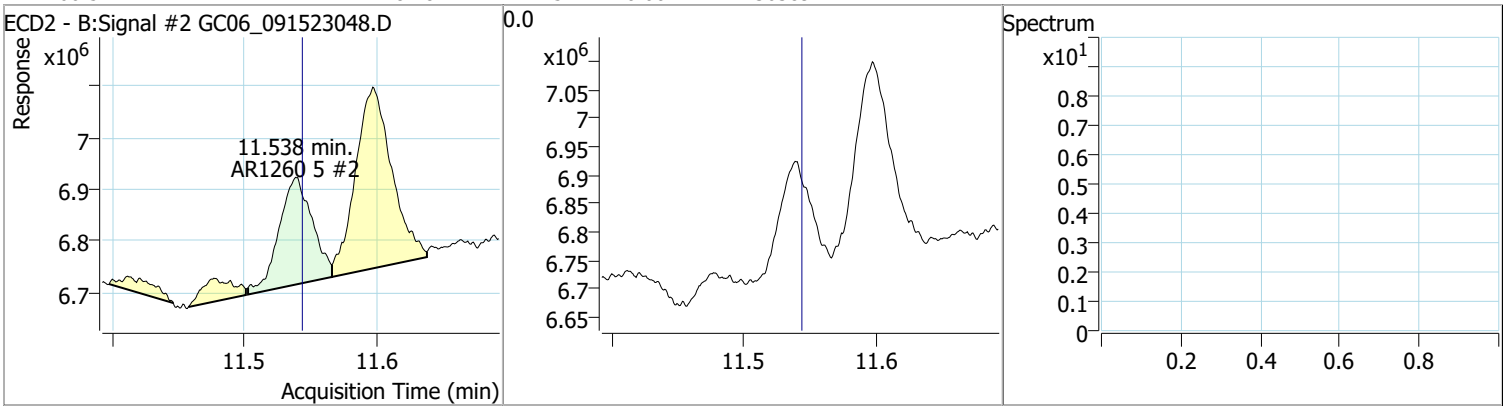
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	26.5565	10.73	0.00	624065				



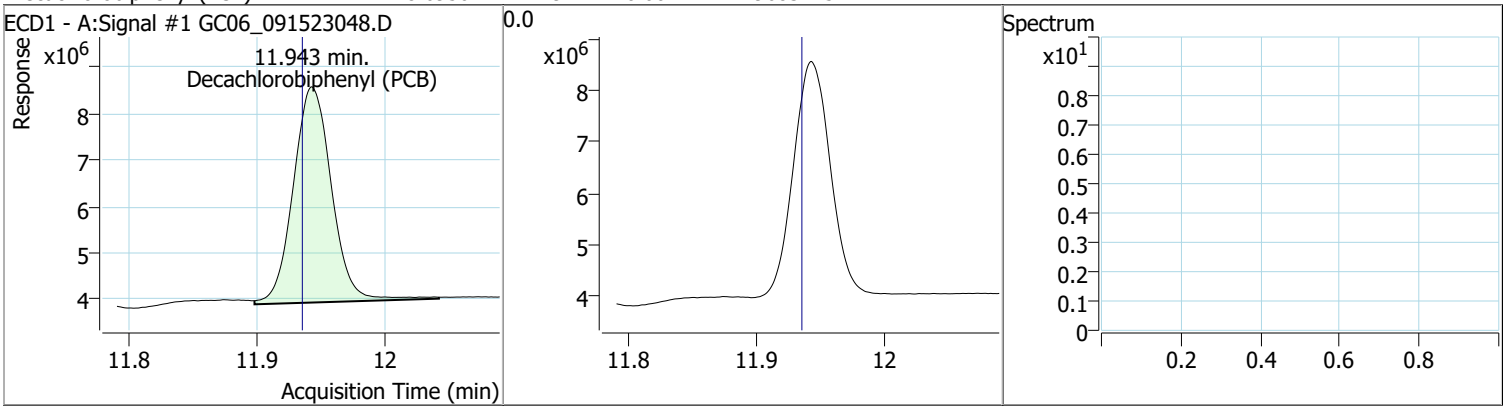
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.1641	10.90	0.01	156493				



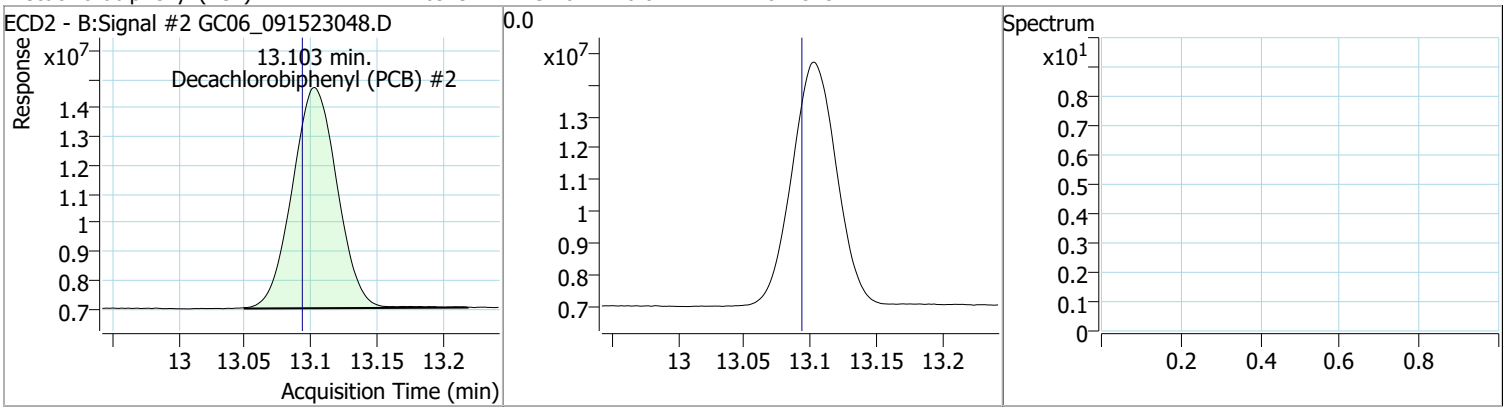
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	8.2847	11.54	0.00	363897				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.6950	11.94	0.00	9683125				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.0979	13.10	0.01	18245752				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-013	Client ID:	ARCH-C8W-LAT-L3-UP-C8.6-HS-230911-P-LA
Seqnum:	453372148049	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523049	Batch:	322492	Time:	16-SEP-2023 01:12
Cal:	453205686001	Caldate:	22-MAY-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	64.77	~~0.65~~ ~~FP~~	0.89	32%	0.50		x u
Aroclor-1016 Peak # 1	B	149.3	1.49	0.76	65%			
Aroclor-1016 Peak # 2	B	47.55	0.48	0.31	41%			
Aroclor-1016 Peak # 3	B	84.53	0.85	0.65	27%			
Aroclor-1016 Peak # 4	B	0.3145	0.00	1.65	199%			
Aroclor-1016 Peak # 5	B	42.14	0.42	1.08	88%			
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	25.17	ND	0.36	34%	0.50		u
Aroclor-1260 Peak # 1	B	54.15	0.54	0.34	45%			
Aroclor-1260 Peak # 2	B	14.68	0.15	0.17	14%			
Aroclor-1260 Peak # 3	B	10.55	0.11	0.29	93%			
Aroclor-1260 Peak # 4	B	34.79	0.35	0.35	0%			
Aroclor-1260 Peak # 5	B	11.70	0.12	0.63	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	30.26	0.5000	0.3026	61	19-121	c- u
Decachlorobiphenyl (PCB)	B	27.08	0.5000	0.2708	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_091523043)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12178827	12735859	4.57
1-bromo-2-nitrobenzene (PCB)	A	5027098	5098091	1.41

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_091523043)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

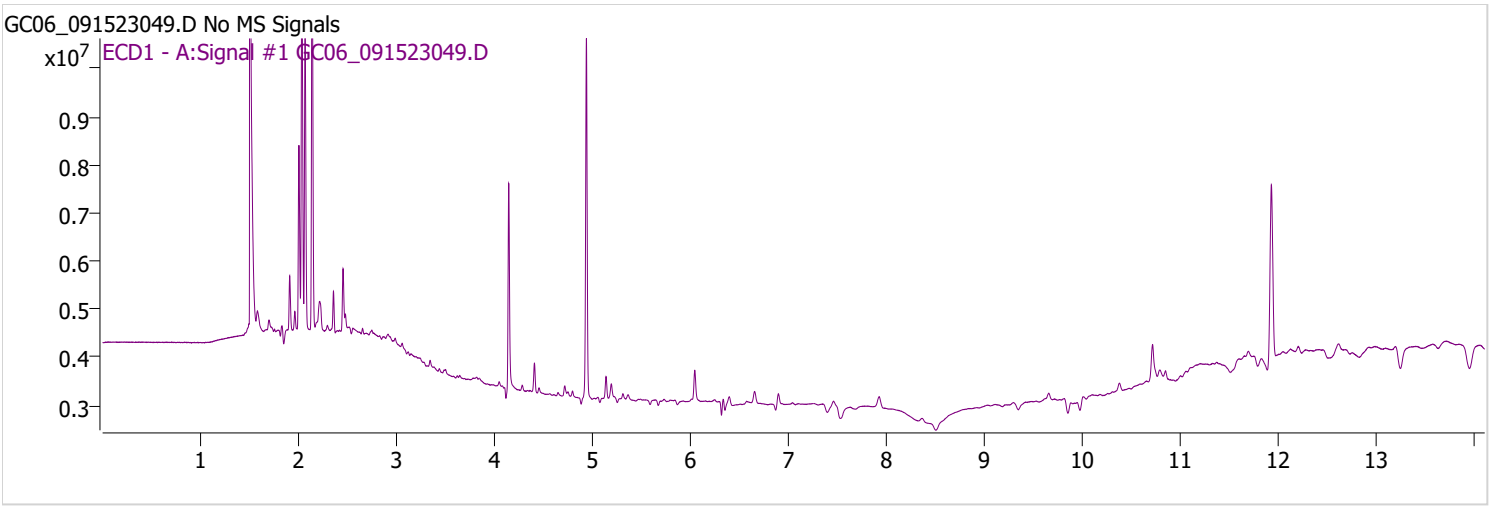
09/18/23 : WIPE/1S-10ML

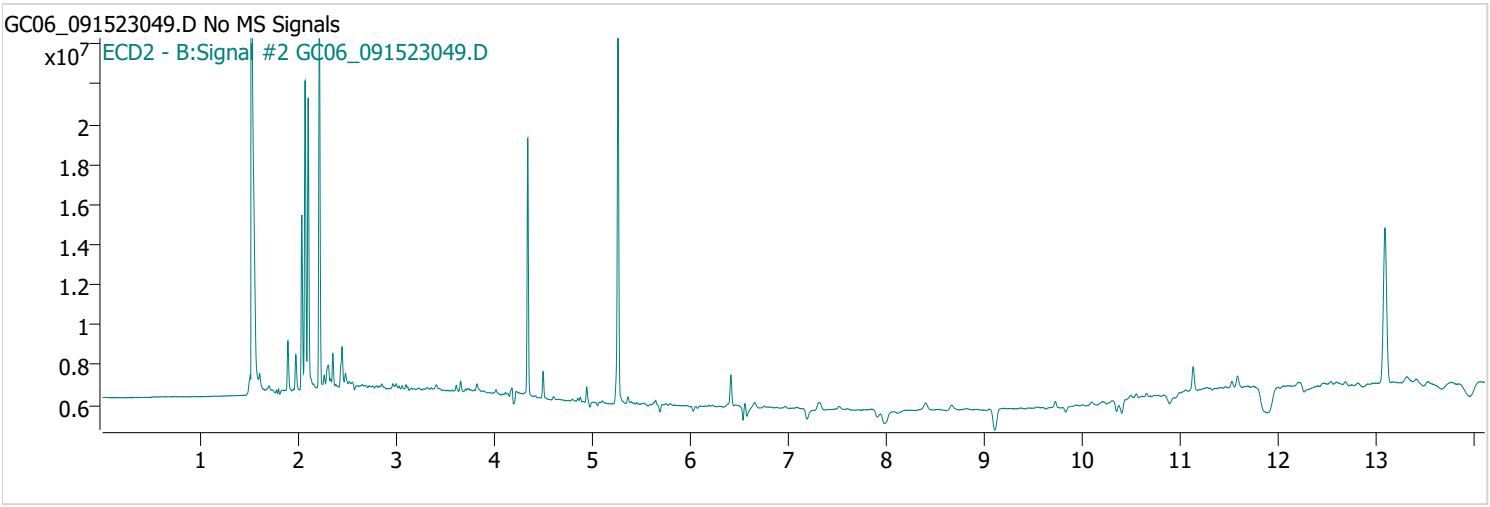
-=low bias c=CCV u=use x=false positive

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523049.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/16/2023 1:12:38 AM
Sample Name	492059-013, 322492, 1	Instrument	SVOA-GC06
Vial	40	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



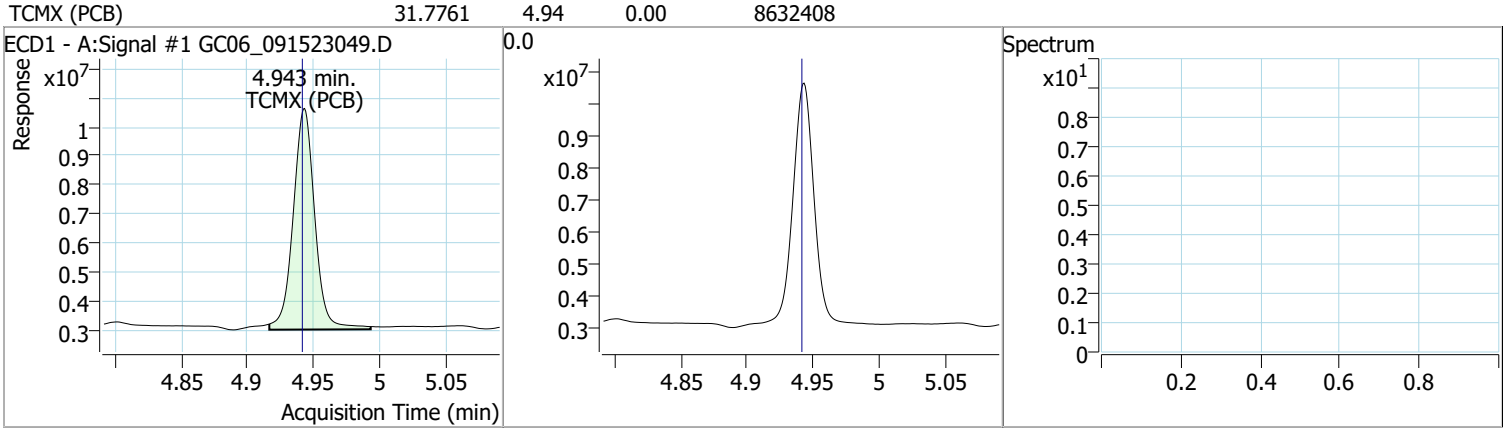


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	5098091.492	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	12735859.380	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8632408.332	31.7761	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.88%		*	
S TCMX (PCB) #2	5.266	0.0	20440415.256	30.2562	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 151.28%		*	
S Decachlorobiphenyl (PCB)	11.941	0.0	7517183.281	22.0970	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 110.48%			
S Decachlorobiphenyl (PCB) #2	13.102	0.0	18211455.849	27.0775	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 135.39%			
Target Compounds							QValue

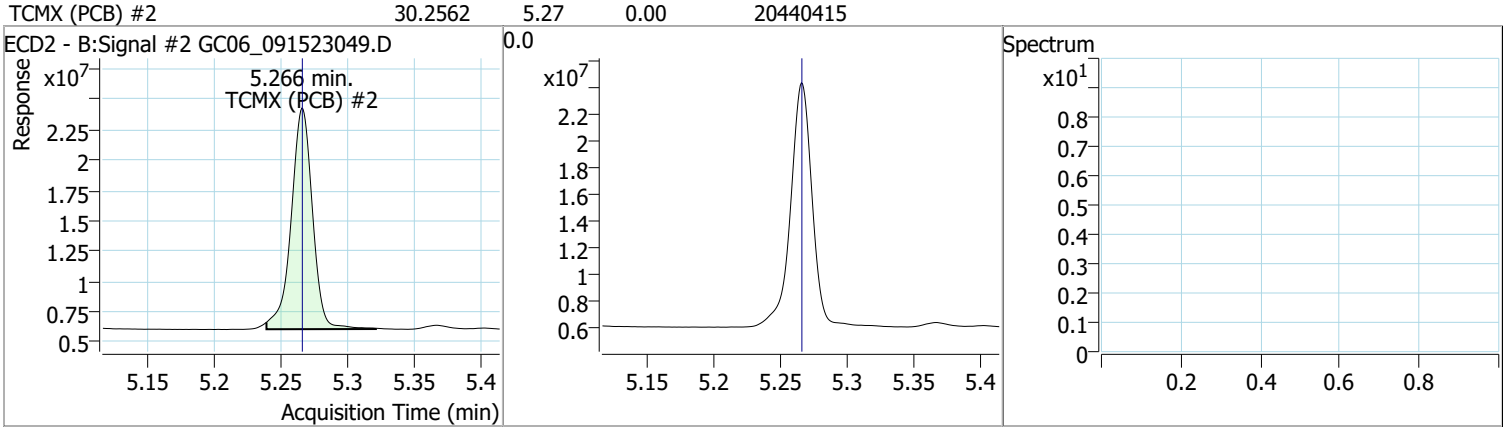
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.316	0.0	434221.535	76.3639	ng/ml	100
T AR1016 2	5.651	0.0	363344.215	31.4745	ng/ml	100
T AR1016 1 #2	5.757	0.0	1981142.370	149.3447	ng/ml	100
T AR1016 3	6.050	0.0	952912.134	64.5819	ng/ml	100
T AR1016 2 #2	6.230	0.0	1416857.226	47.5471	ng/ml	100
T AR1016 4	6.251	0.0	1465213.501	164.7522	ng/ml	100
T AR1016 5	6.662	0.0	737799.654	108.4722	ng/ml	100
T AR1016 3 #2	6.663	0.0	3031150.913	84.5345	ng/ml	100
T AR1016 4 #2	6.856	0.0	8116.816	0.3145	ng/ml	100
T AR1016 5 #2	7.523	0.0	580074.980	42.1374	ng/ml	100
T AR1260 1	8.576	0.0	580511.143	34.4335	ng/ml	100
T AR1260 2	9.121	0.0	433215.439	16.8325	ng/ml	100
T AR1260 3	9.539	0.0	793504.214	28.8541	ng/ml	100
T AR1260 1 #2	9.733	0.0	1944859.922	54.1479	ng/ml	100
T AR1260 4	10.021	0.0	520115.815	34.7143	ng/ml	100
T AR1260 2 #2	10.011	0.0	594645.753	14.6839	ng/ml	100
T AR1260 3 #2	10.383	0.0	546636.370	10.5481	ng/ml	100
T AR1260 5	10.728	0.0	1499761.599	63.3066	ng/ml	100
T AR1260 4 #2	10.847	0.0	1052991.224	34.7870	ng/ml	100
T AR1260 5 #2	11.540	0.0	513539.388	11.7047	ng/ml	100

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

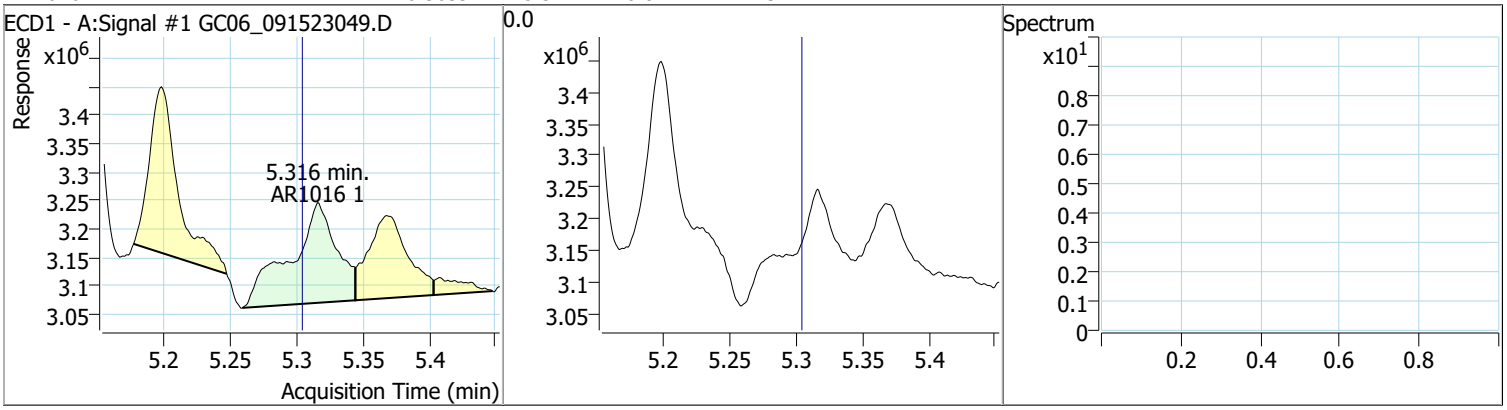
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.7761	4.94	0.00	8632408				



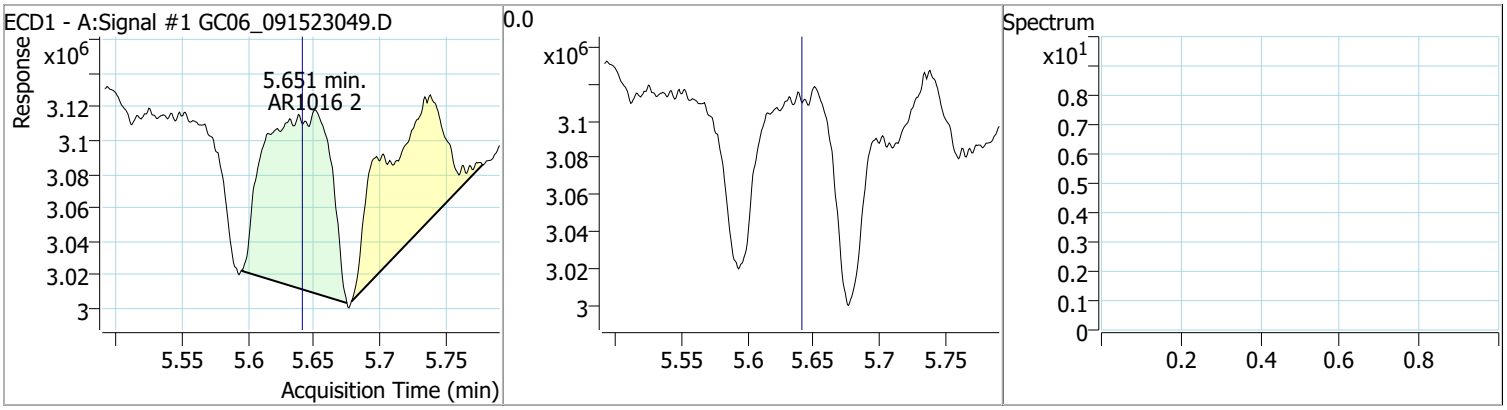
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.2562	5.27	0.00	20440415				



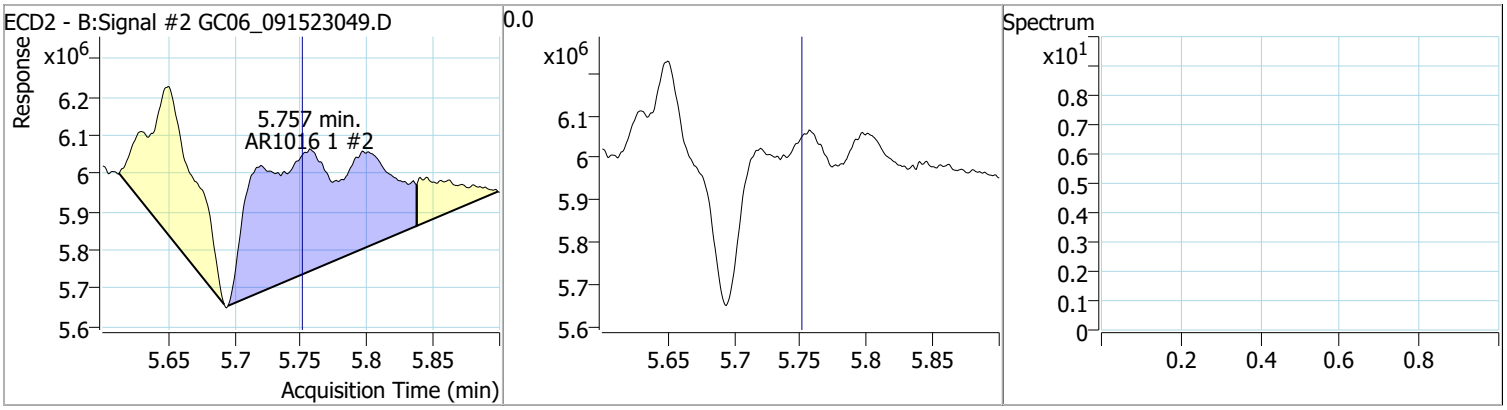
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	76.3639	5.32	0.01	434222				



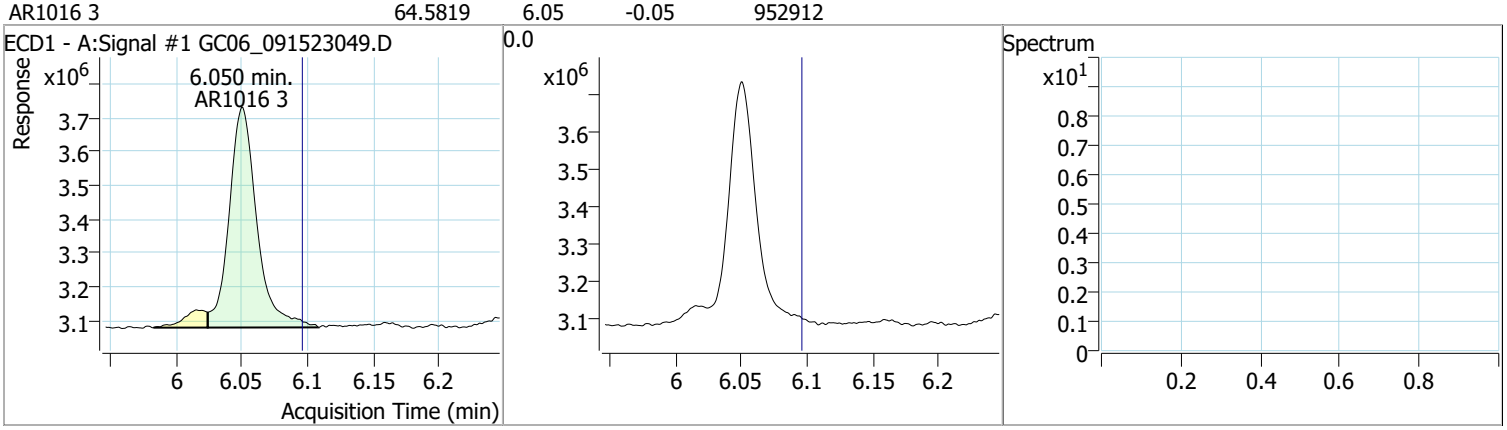
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	31.4745	5.65	0.01	363344				



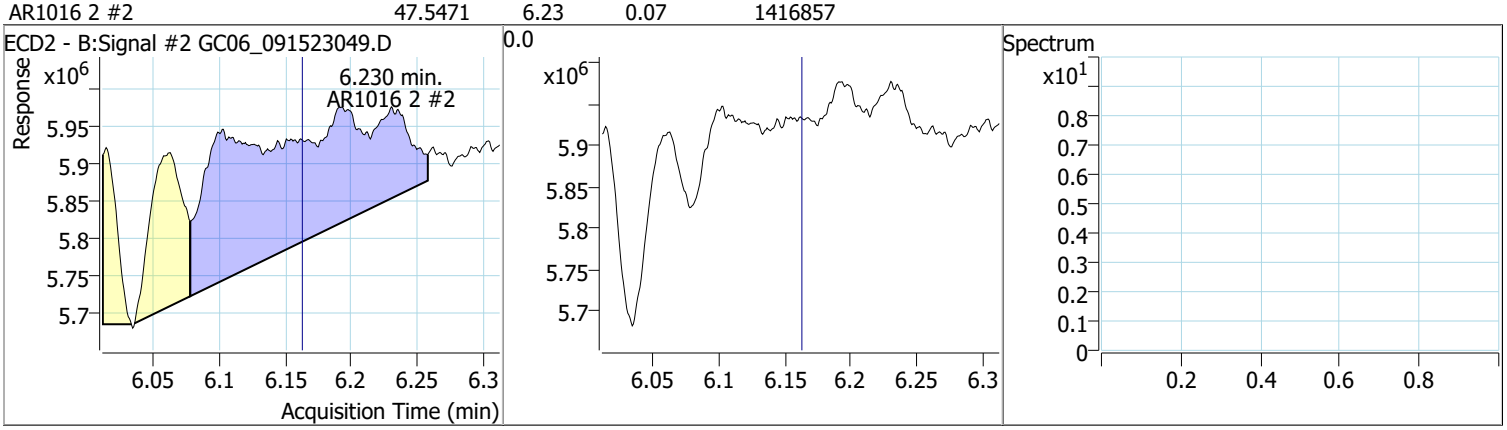
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	149.3447	5.76	0.01	1981142				



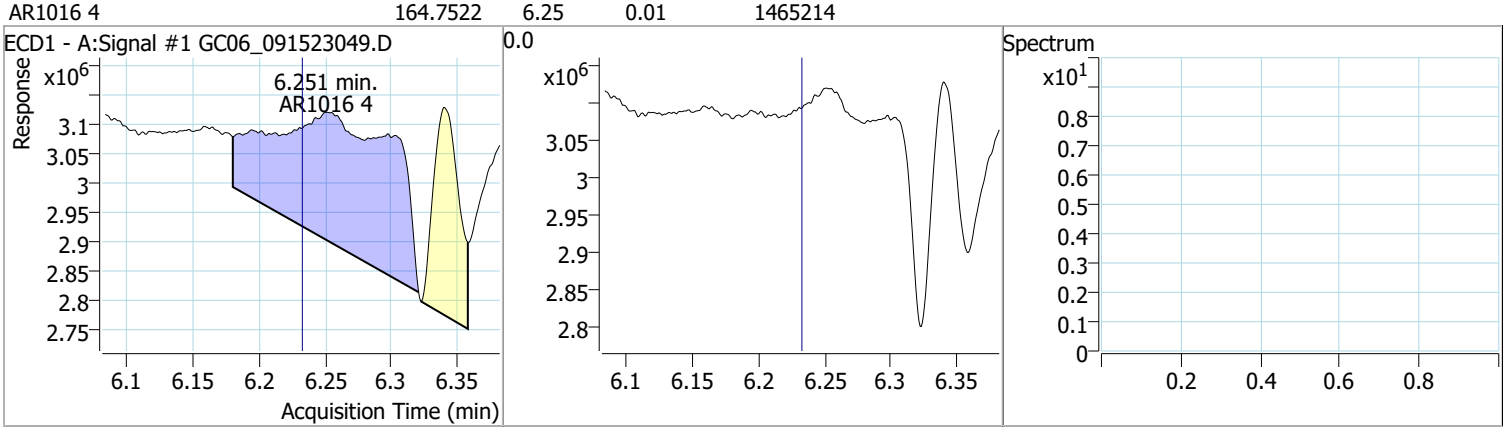
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	64.5819	6.05	-0.05	952912				



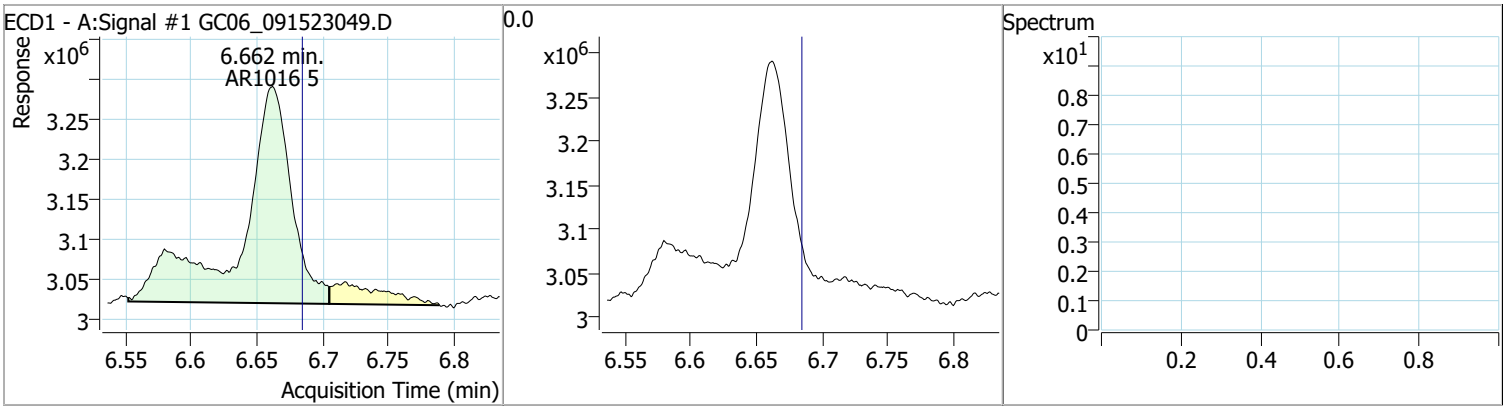
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	47.5471	6.23	0.07	1416857				



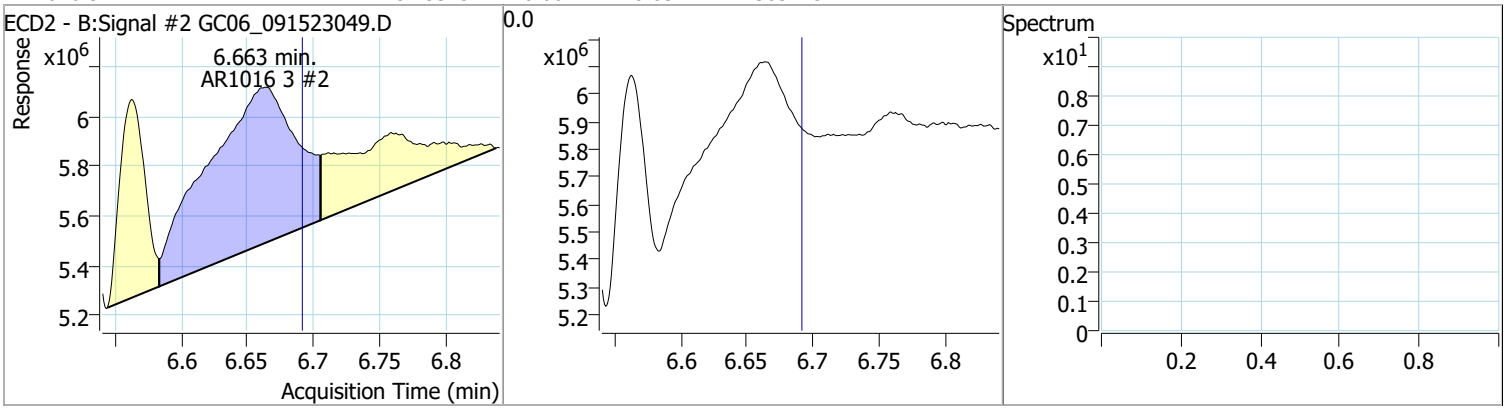
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	164.7522	6.25	0.01	1465214				



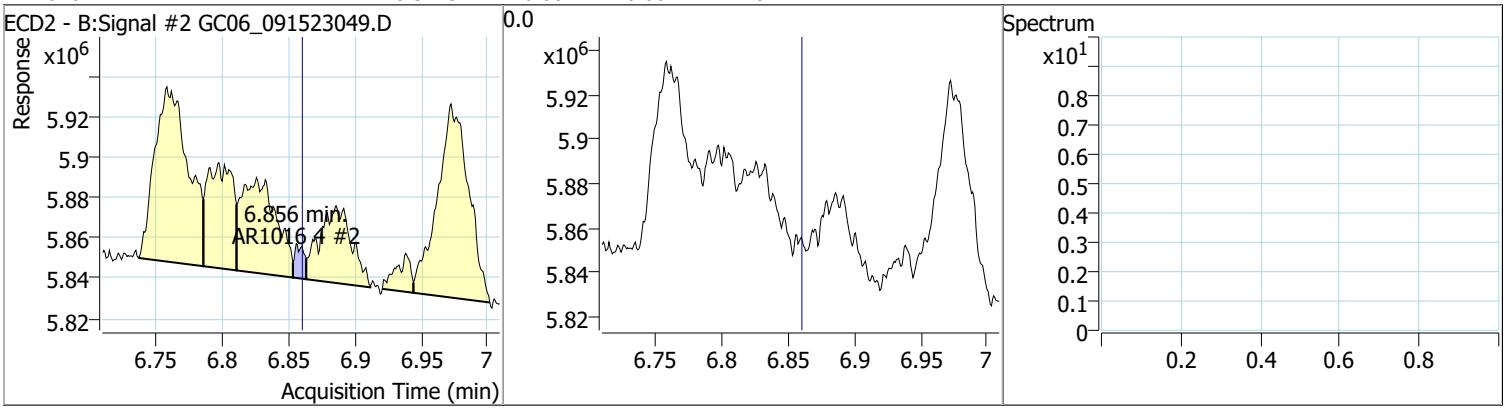
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	108.4722	6.66	-0.03	737800				



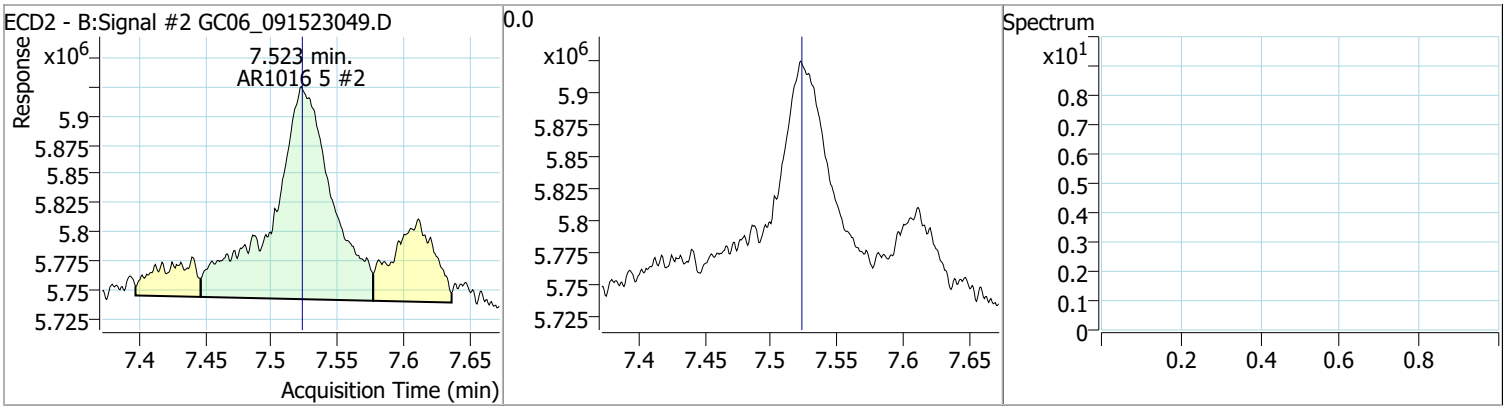
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	84.5345	6.66	-0.03	3031151				



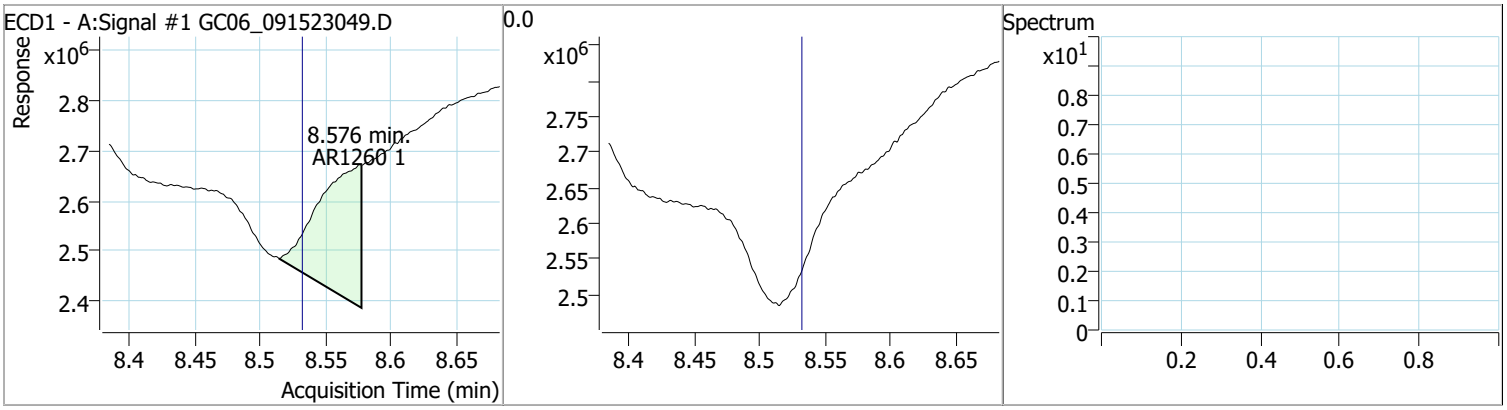
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3145	6.86	0.00	8117				



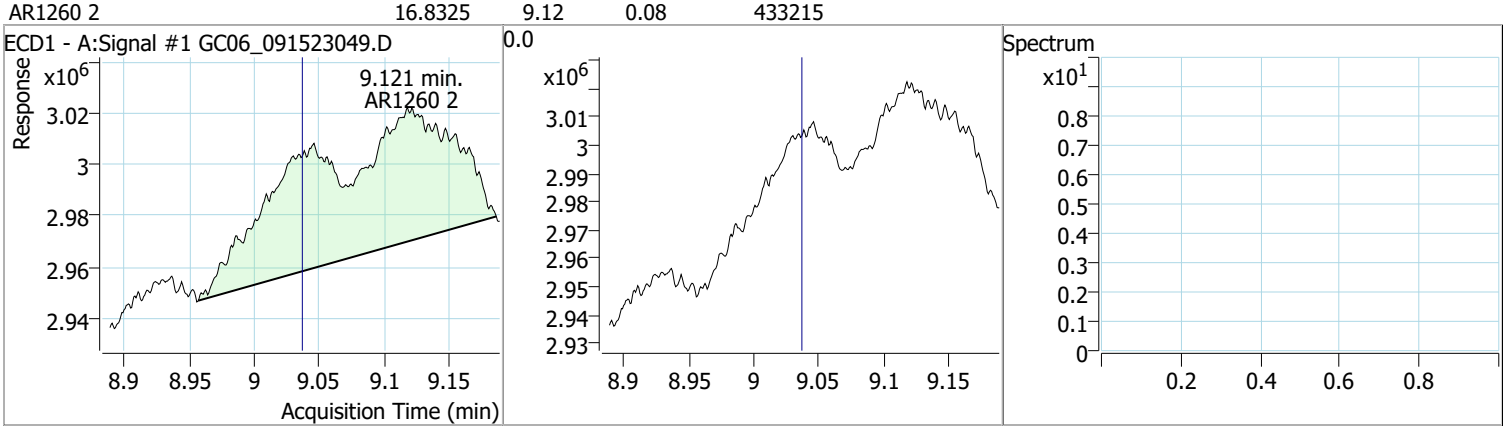
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	42.1374	7.52	0.00	580075				



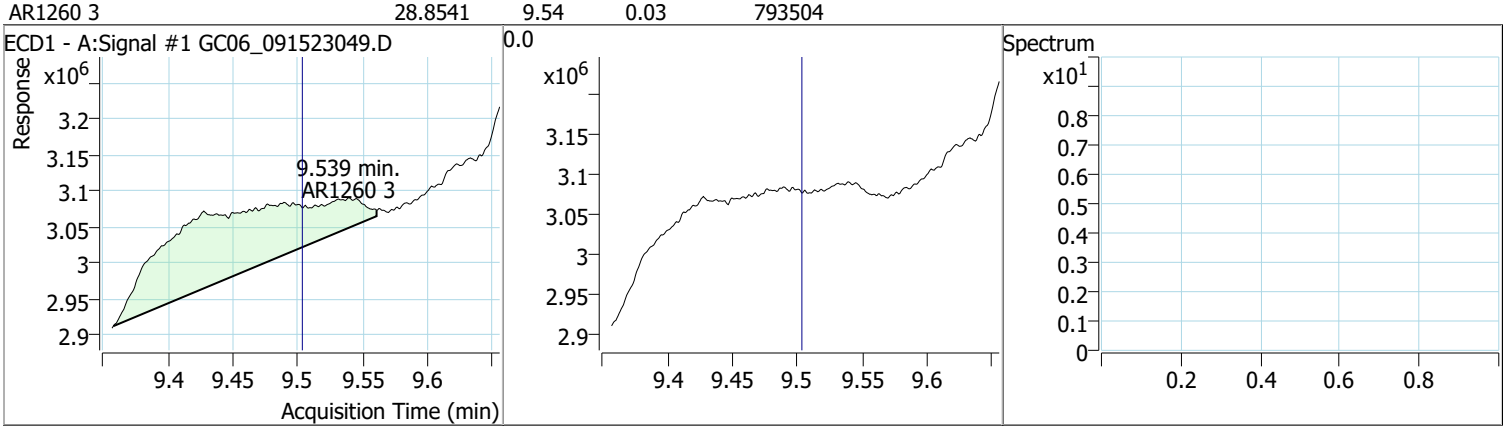
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	34.4335	8.58	0.04	580511				



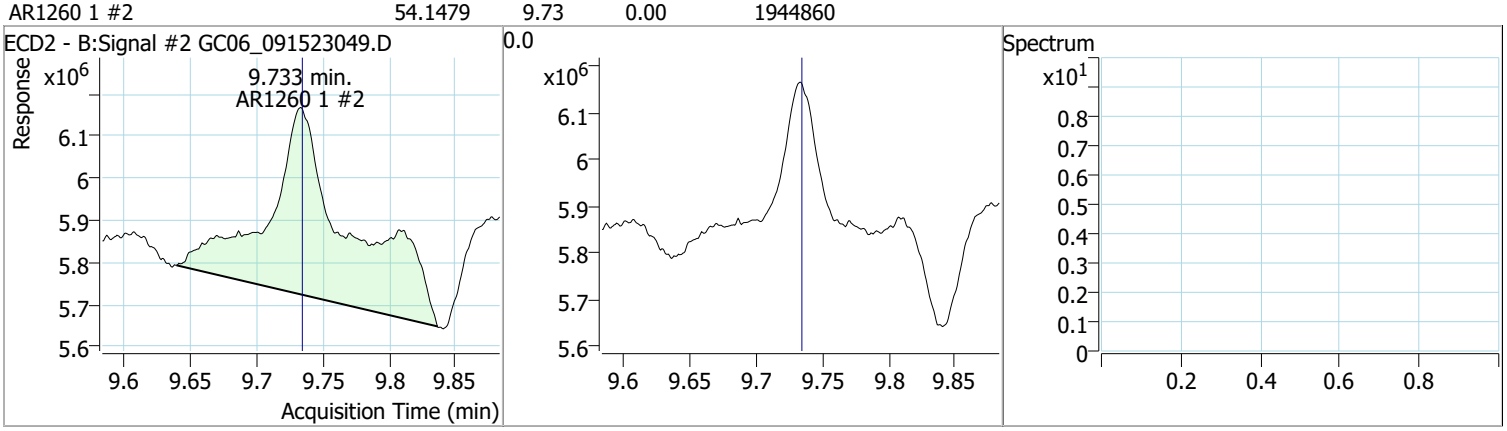
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	16.8325	9.12	0.08	433215				



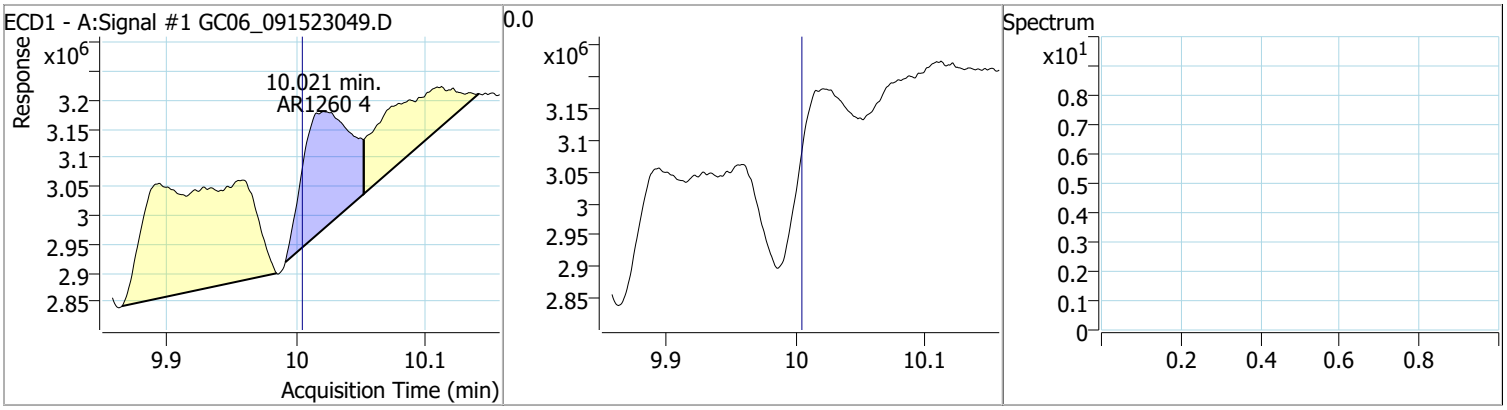
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	28.8541	9.54	0.03	793504				



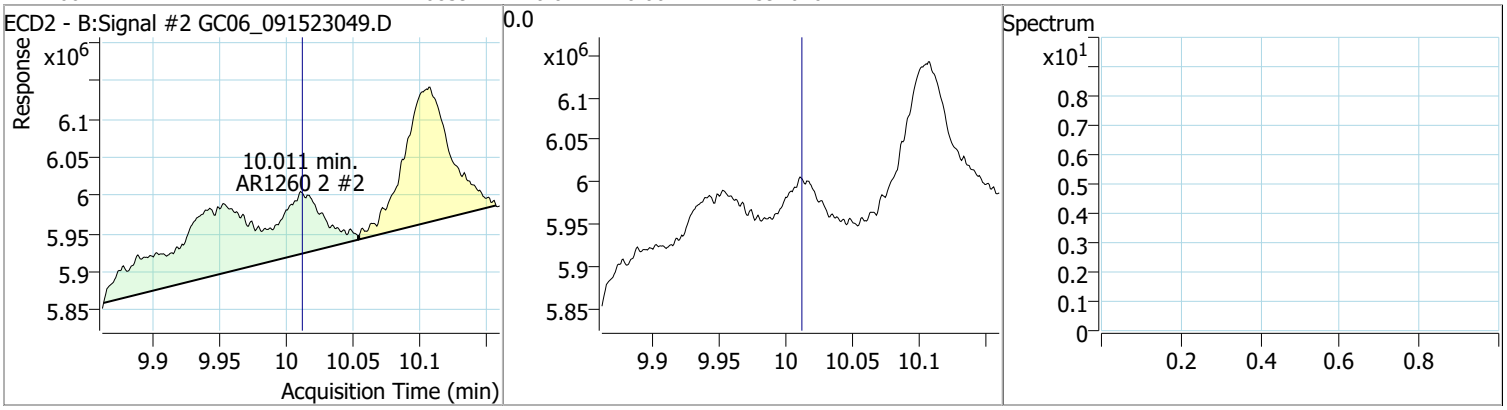
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	54.1479	9.73	0.00	1944860				



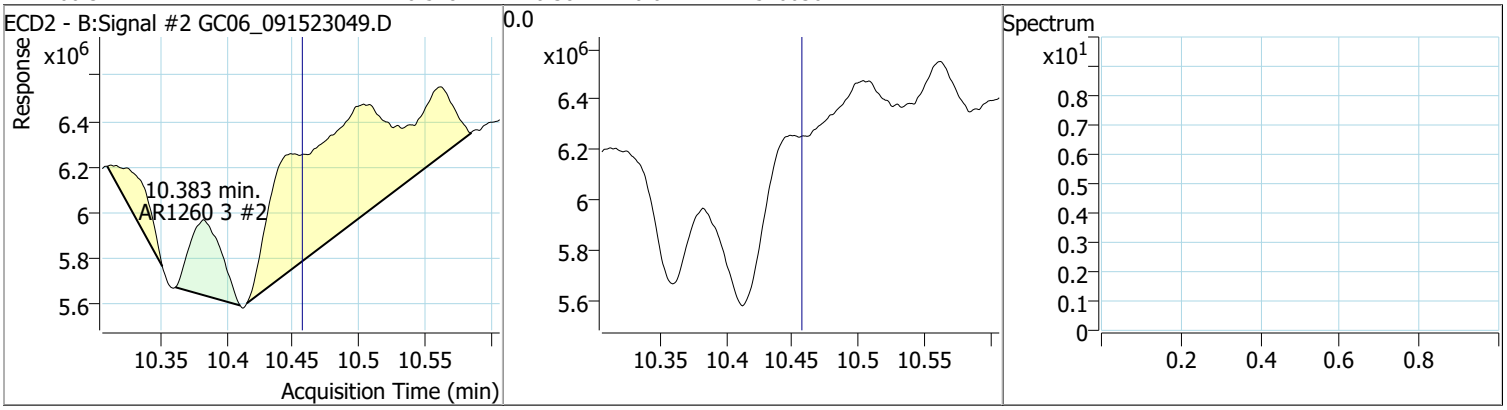
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	34.7143	10.02	0.01	520116				



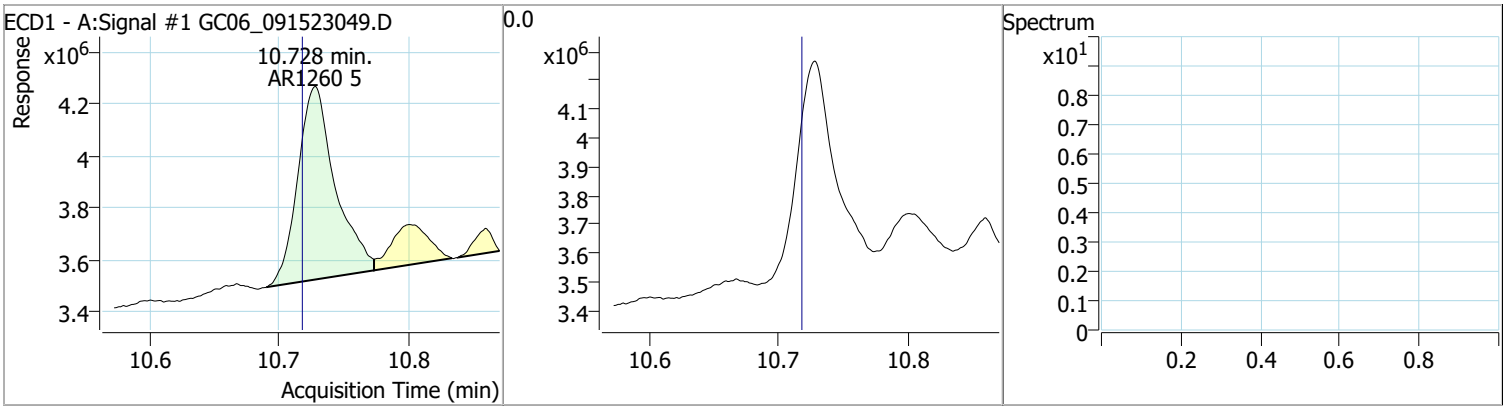
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	14.6839	10.01	0.00	594646				



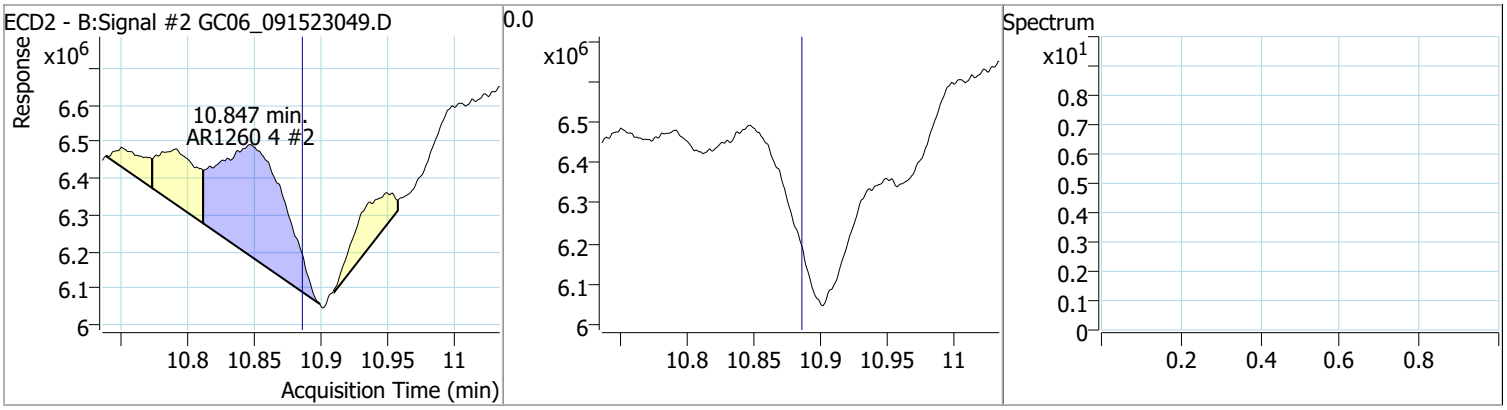
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.5481	10.38	-0.07	546636				



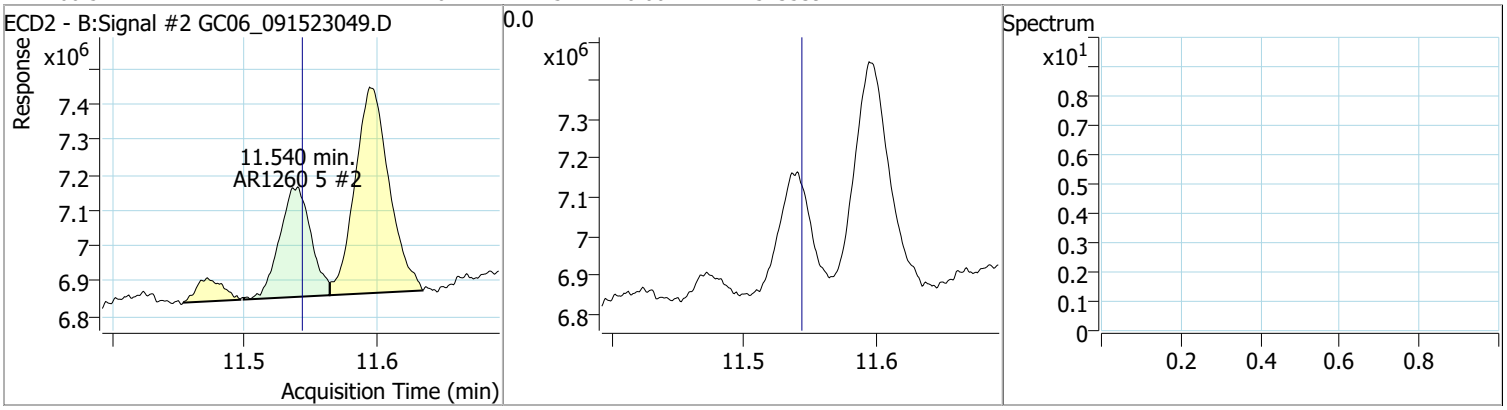
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	63.3066	10.73	0.00	1499762				



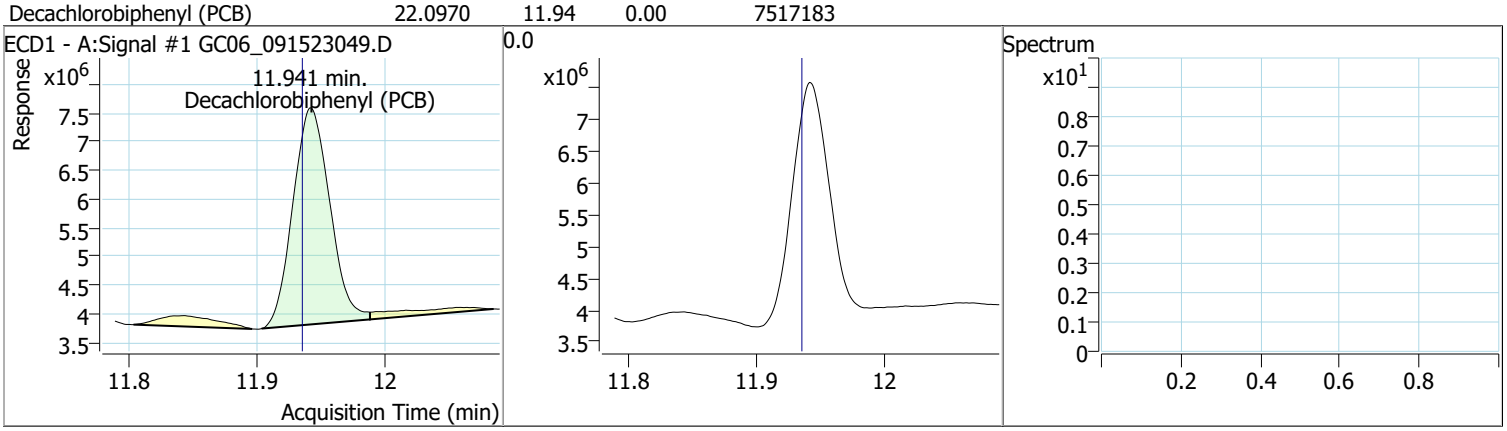
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	34.7870	10.85	-0.04	1052991				



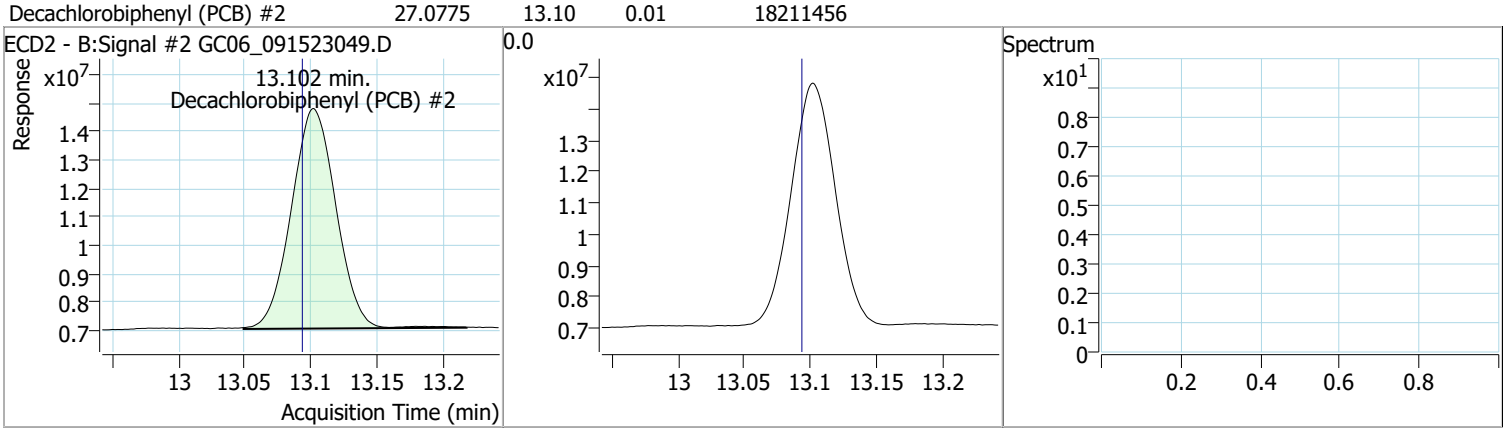
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	11.7047	11.54	0.00	513539				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	22.0970	11.94	0.00	7517183				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.0775	13.10	0.01	18211456				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-015	Client ID:	ARCH-C8W-MED-L3-UP-C8.4-DG-230911-P-LA
Seqnum:	453372148050	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523050	Batch:	322492	Time:	16-SEP-2023 01:31
Cal:	453205686001	Caldate:	22-MAY-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	44.06	ND	0.67	42%	0.50		u
Aroclor-1016 Peak # 1	B	27.49	0.27	0.69	86%			
Aroclor-1016 Peak # 2	B	8.986	0.09	0.32	112%			
Aroclor-1016 Peak # 3	B	133.3	1.33	0.64	70%			
Aroclor-1016 Peak # 4	B	1.041	0.01	1.08	196%			
Aroclor-1016 Peak # 5	B	49.47	0.49	0.63	25%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	16.07	ND	0.28	53%	0.50		u
Aroclor-1260 Peak # 1	B	29.24	0.29	0.62	72%			
Aroclor-1260 Peak # 2	B	2.986	0.03	0.02	51%			
Aroclor-1260 Peak # 3	B	7.164	0.07	0.16	76%			
Aroclor-1260 Peak # 4	B	8.724	0.09	0.26	100%			
Aroclor-1260 Peak # 5	B	32.24	0.32	0.32	2%			
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	30.76	0.5000	0.3076	62	19-121	c- u
Decachlorobiphenyl (PCB)	B	27.67	0.5000	0.2767	55	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_091523043)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12178827	11690803	-4.01
1-bromo-2-nitrobenzene (PCB)	A	5027098	4650336	-7.49

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

ISTD (CCV gc06_091523043)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

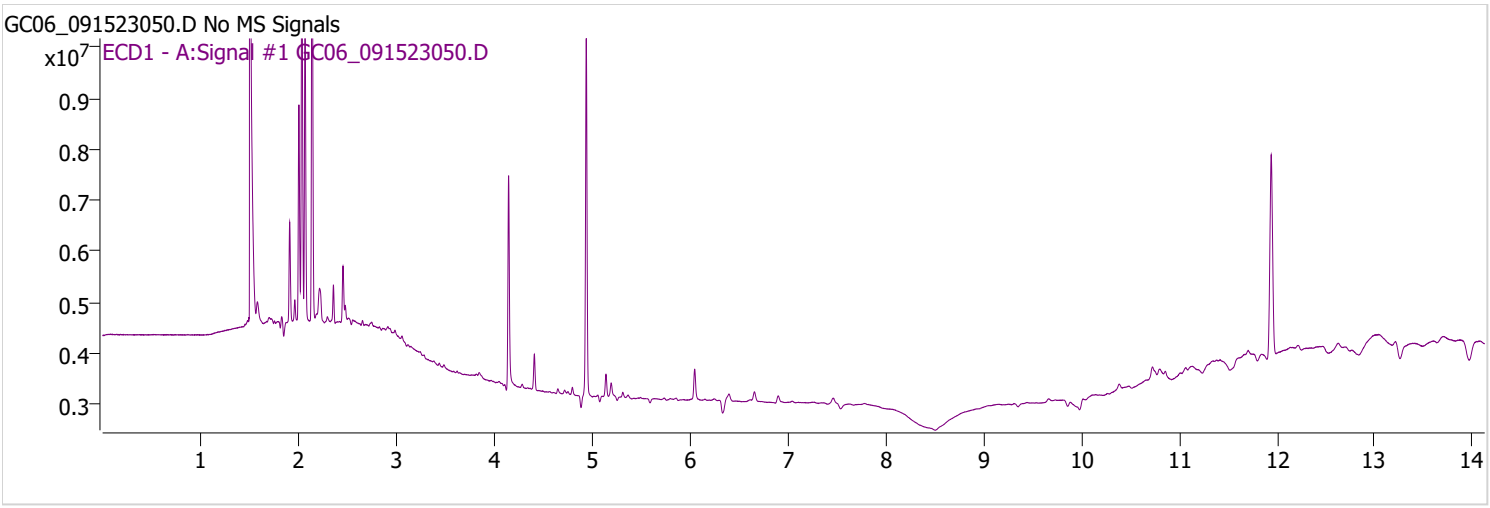
09/18/23 : WIPE/1S-10ML

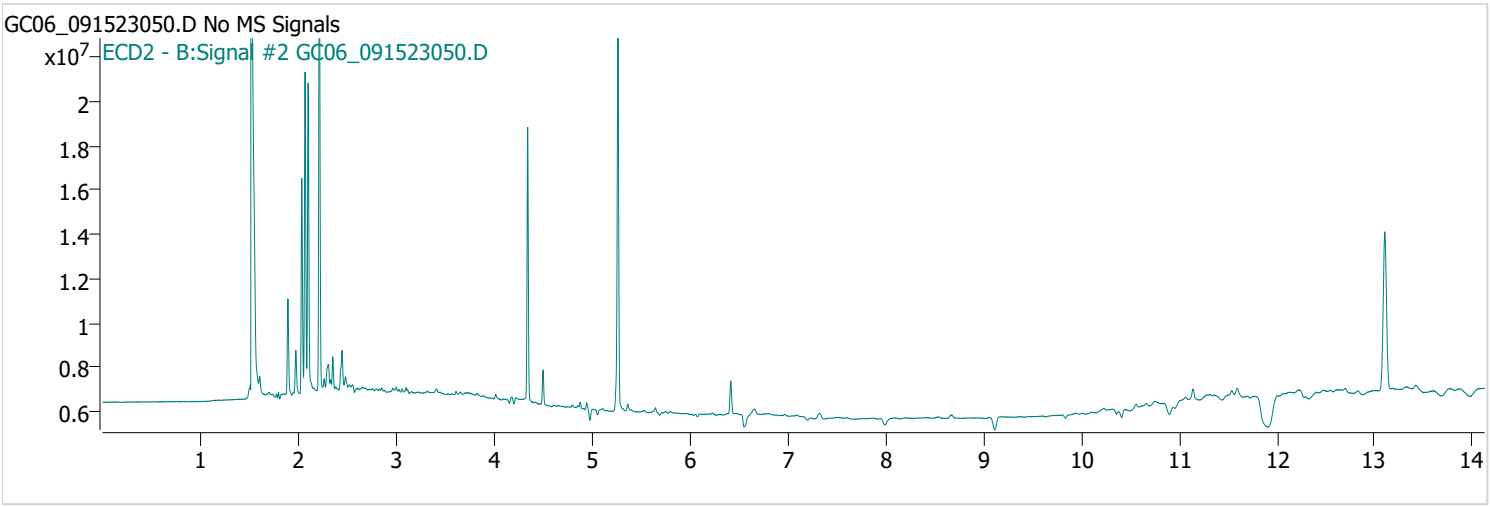
-=low bias c=CCV u=use

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523050.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/16/2023 1:31:17 AM
Sample Name	492059-015, 322492, 1	Instrument	SVOA-GC06
Vial	41	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



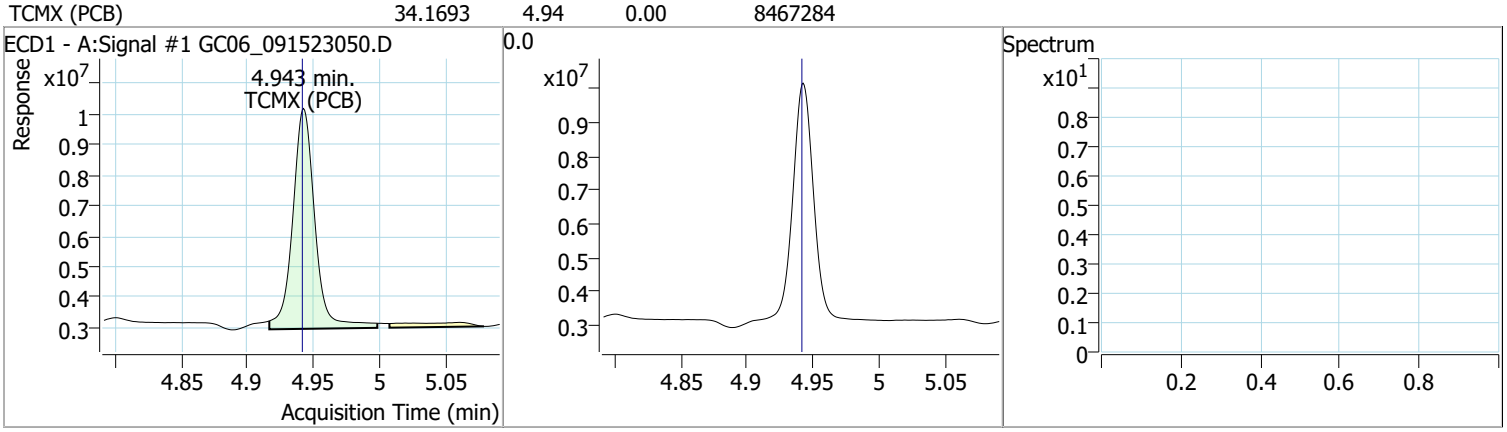


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	4650335.912	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	11690803.413	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8467283.899	34.1693	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.85%		*	
S TCMX (PCB) #2	5.266	0.0	19074245.744	30.7578	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.79%		*	
S Decachlorobiphenyl (PCB)	11.942	0.0	7744659.684	24.9576	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.79%			
S Decachlorobiphenyl (PCB) #2	13.102	0.0	17080780.832	27.6666	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.33%			
Target Compounds							QValue

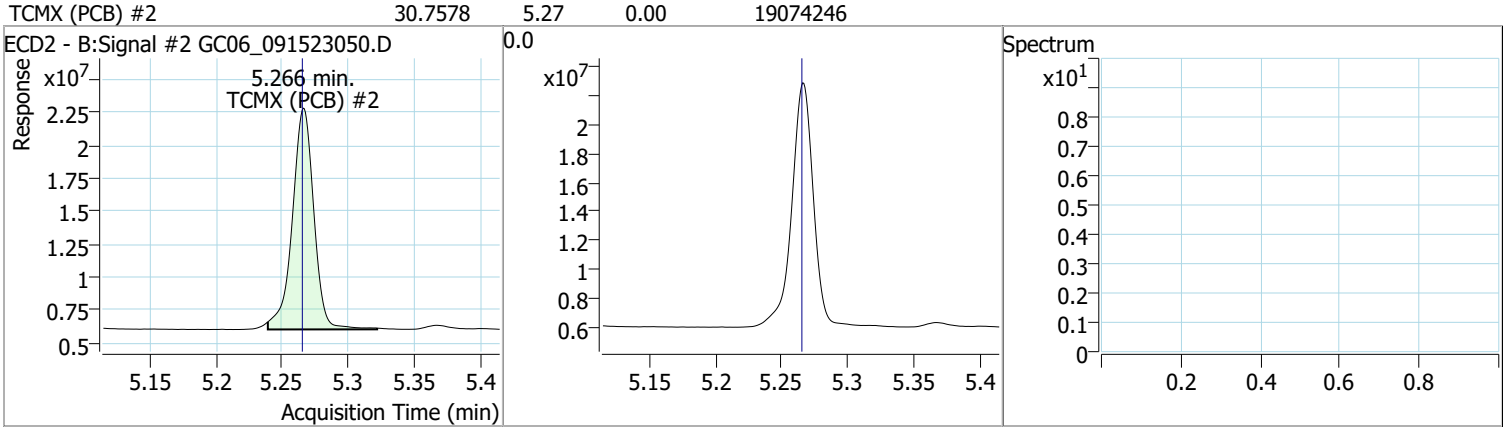
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.316	0.0	356639.069	68.7589	ng/ml	100
T AR1016 2	5.638	0.0	335523.727	31.8630	ng/ml	100
T AR1016 1 #2	5.758	0.0	334810.904	27.4953	ng/ml	100
T AR1016 3	6.050	0.0	866038.471	64.3455	ng/ml	100
T AR1016 2 #2	6.112	0.0	245809.189	8.9863	ng/ml	100
T AR1016 4	6.246	0.0	876749.135	108.0759	ng/ml	100
T AR1016 5	6.661	0.0	393590.388	63.4378	ng/ml	100
T AR1016 3 #2	6.663	0.0	4388370.807	133.3257	ng/ml	100
T AR1016 4 #2	6.885	0.0	24672.512	1.0415	ng/ml	100
T AR1016 5 #2	7.504	0.0	625156.319	49.4716	ng/ml	100
T AR1260 1	8.662	0.0	958132.575	62.3045	ng/ml	100
T AR1260 2	9.150	0.0	41784.844	1.7799	ng/ml	100
T AR1260 3	9.447	0.0	401685.261	16.0128	ng/ml	100
T AR1260 1 #2	9.810	0.0	963928.288	29.2363	ng/ml	100
T AR1260 4	9.887	0.0	355452.025	26.0084	ng/ml	100
T AR1260 2 #2	10.015	0.0	110995.422	2.9859	ng/ml	100
T AR1260 3 #2	10.379	0.0	340816.618	7.1644	ng/ml	100
T AR1260 5	10.728	0.0	682597.813	31.5875	ng/ml	100
T AR1260 4 #2	10.938	0.0	242405.254	8.7240	ng/ml	100
T AR1260 5 #2	11.538	0.0	1298641.283	32.2449	ng/ml	100

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

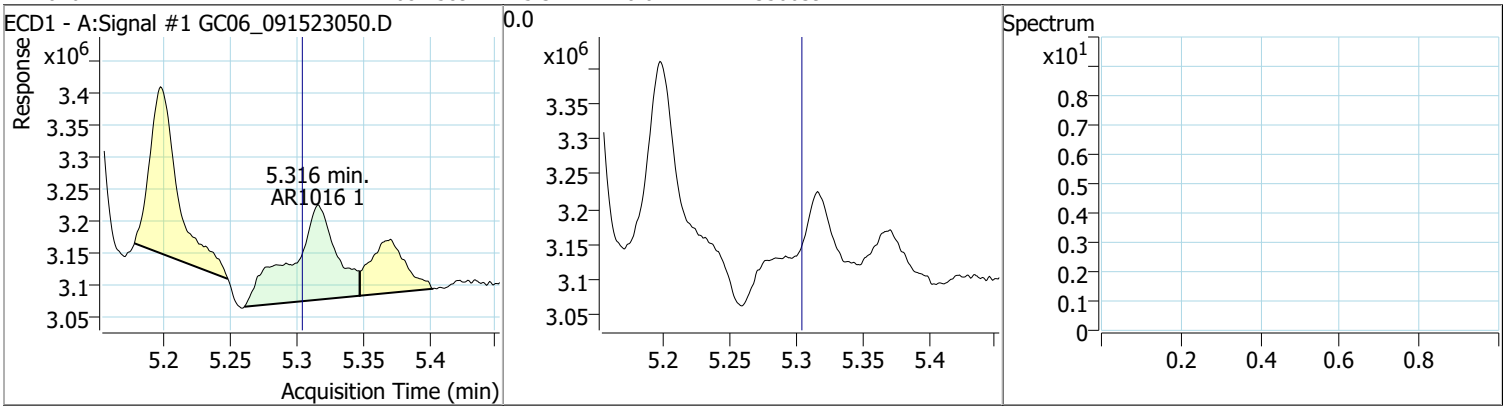
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.1693	4.94	0.00	8467284				



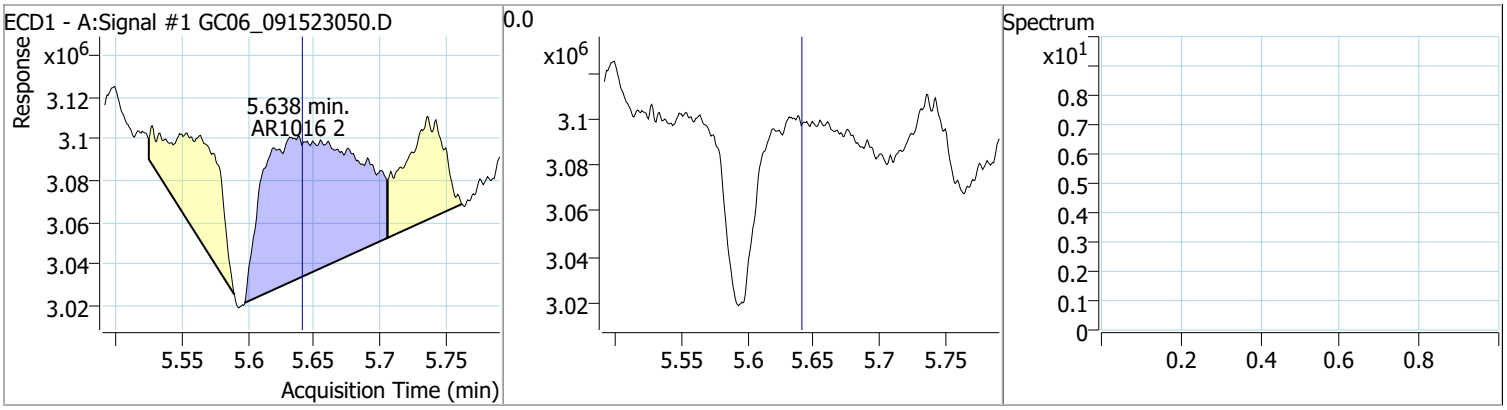
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.7578	5.27	0.00	19074246				



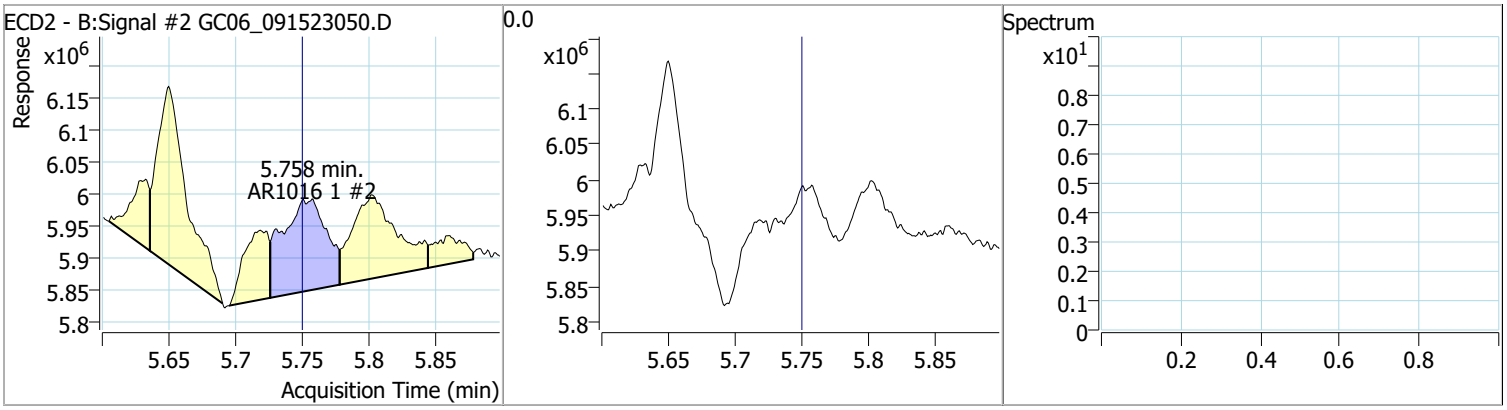
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	68.7589	5.32	0.01	356639				



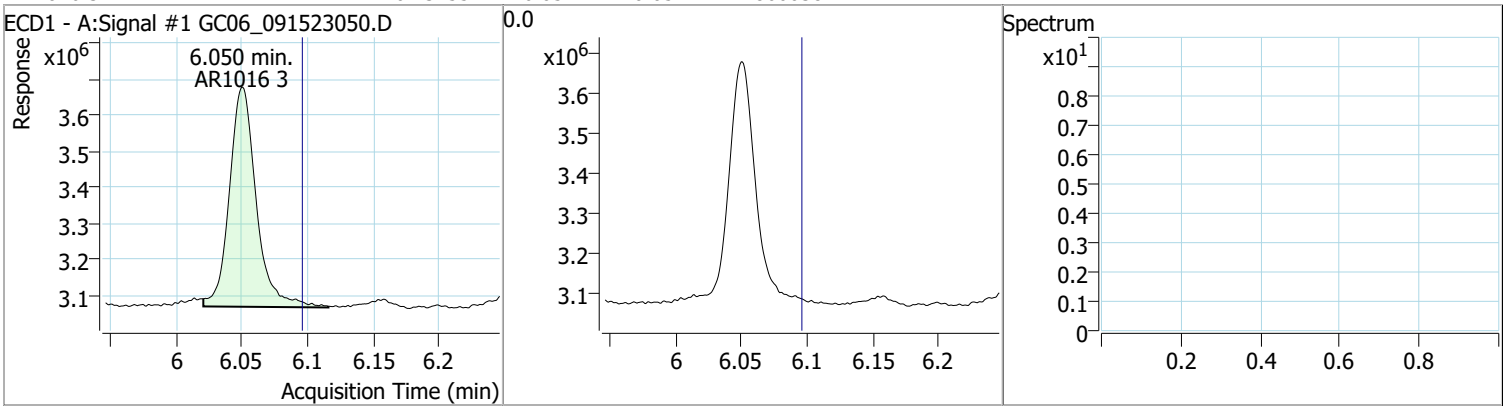
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	31.8630	5.64	-0.01	335524				



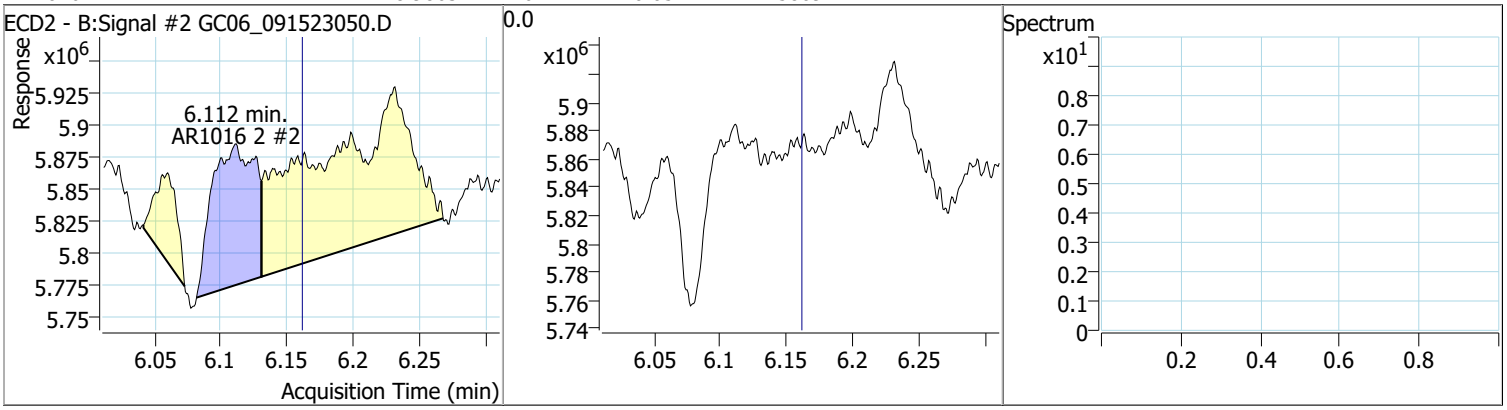
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	27.4953	5.76	0.01	334811				



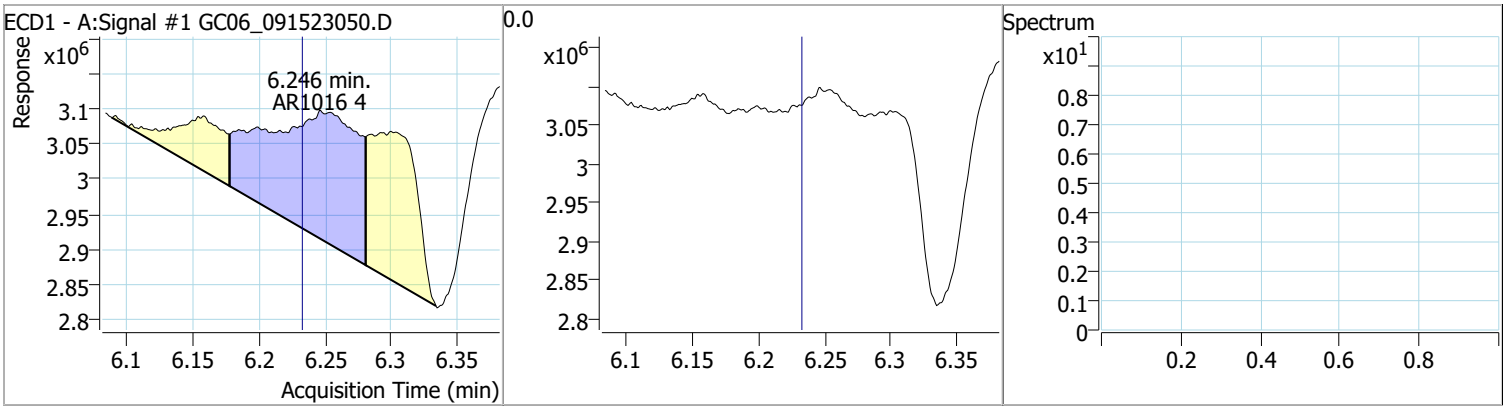
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	64.3455	6.05	-0.05	866038				



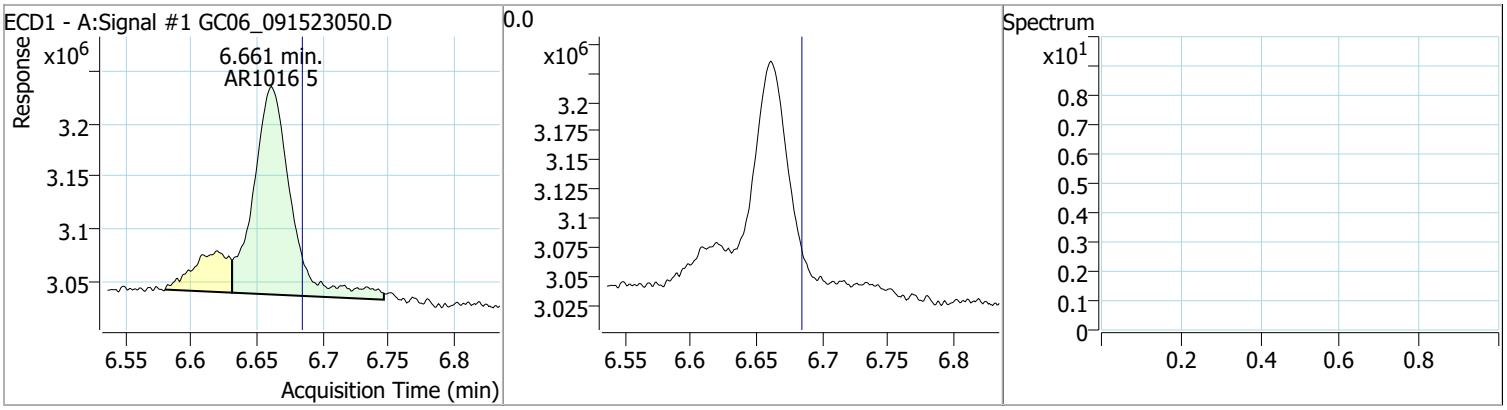
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.9863	6.11	-0.05	245809				



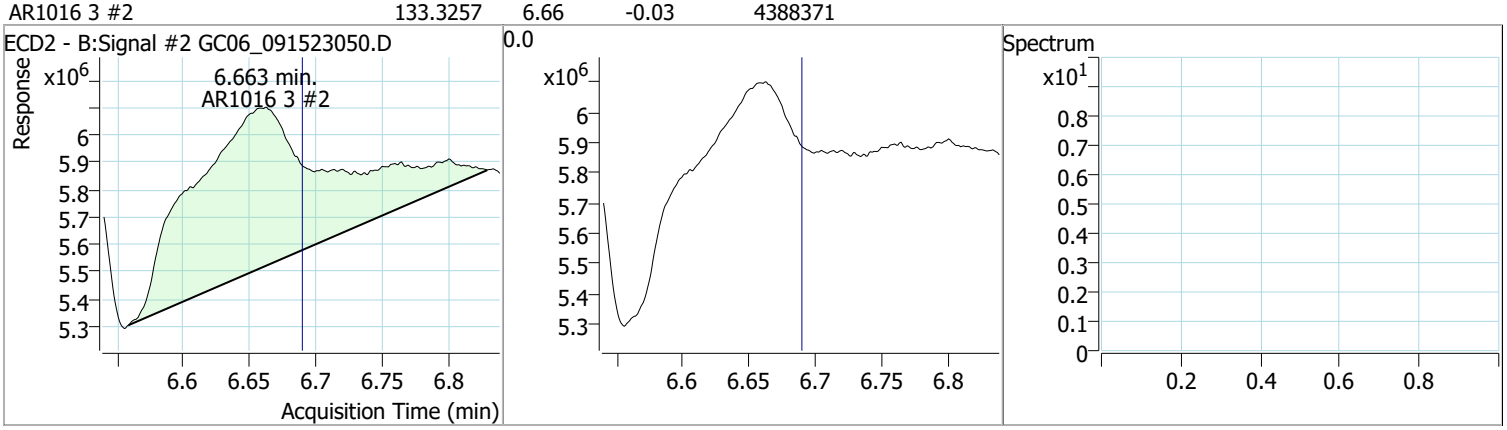
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	108.0759	6.25	0.01	876749				



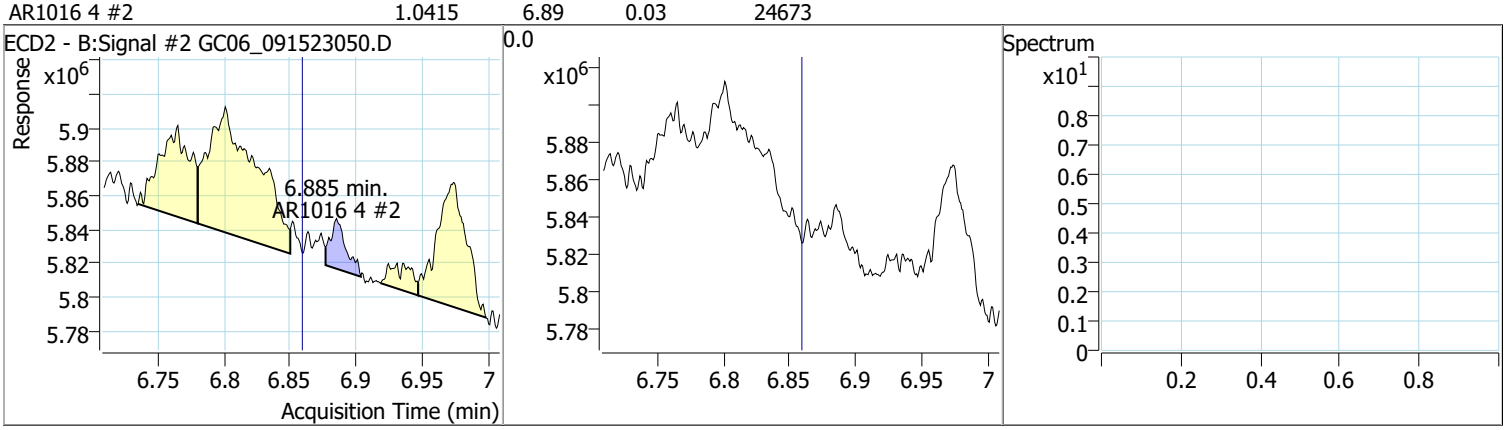
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	63.4378	6.66	-0.03	393590				



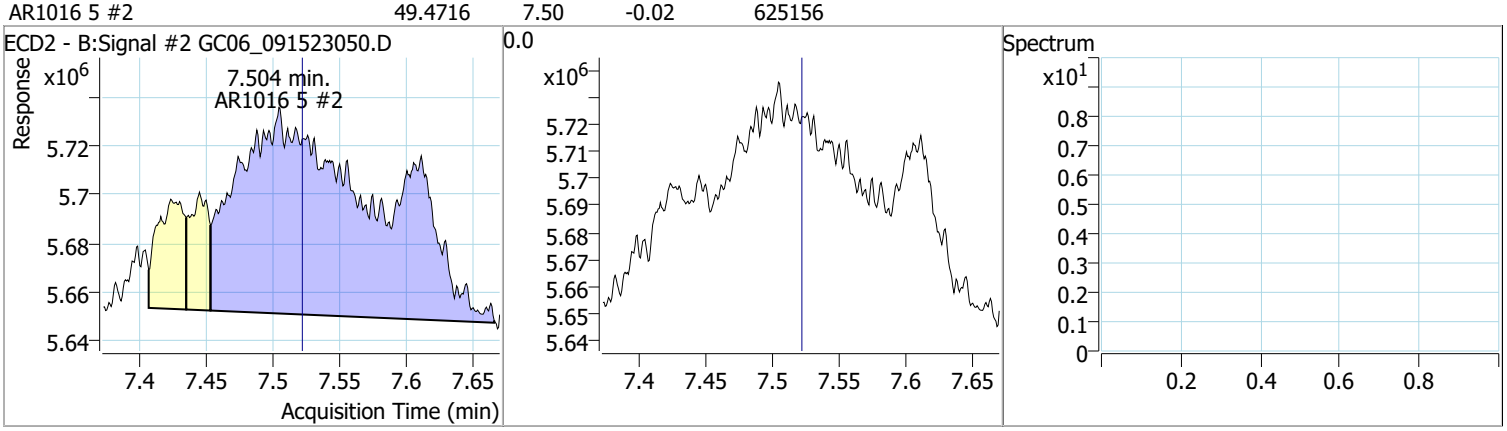
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	133.3257	6.66	-0.03	4388371				



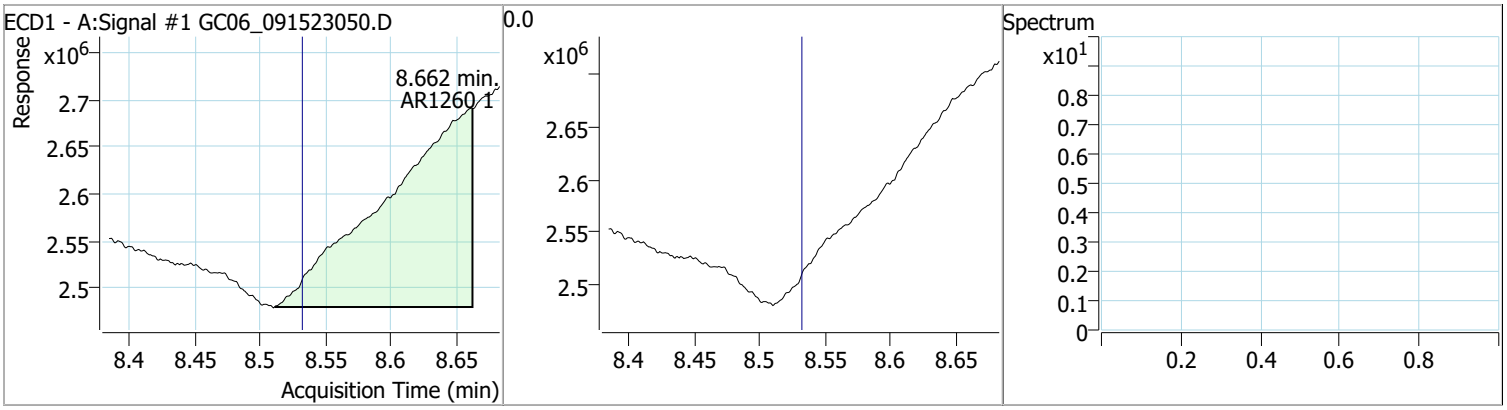
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.0415	6.89	0.03	24673				



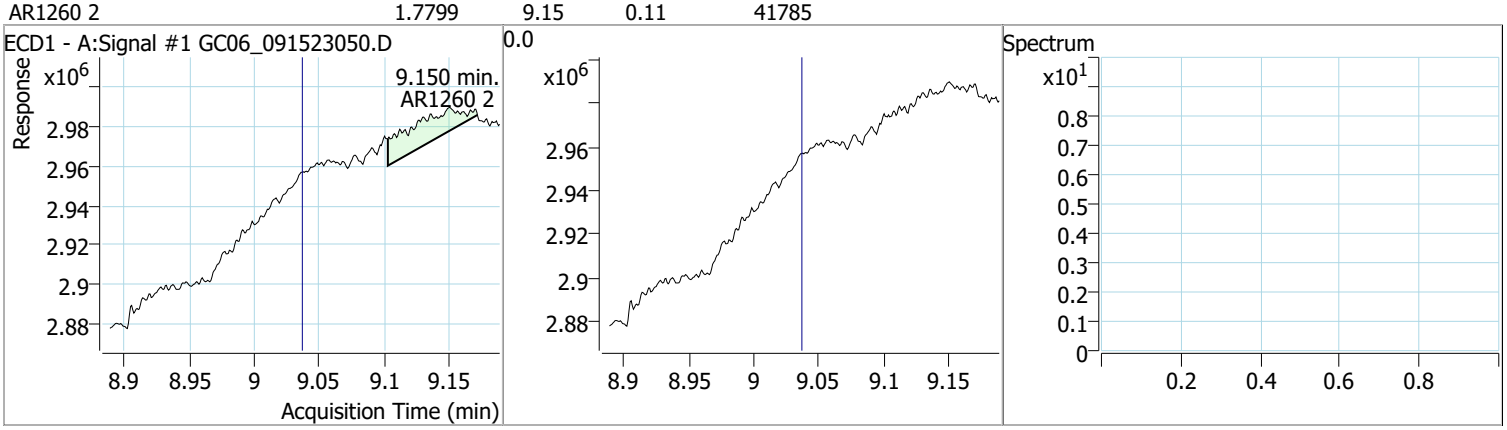
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	49.4716	7.50	-0.02	625156				



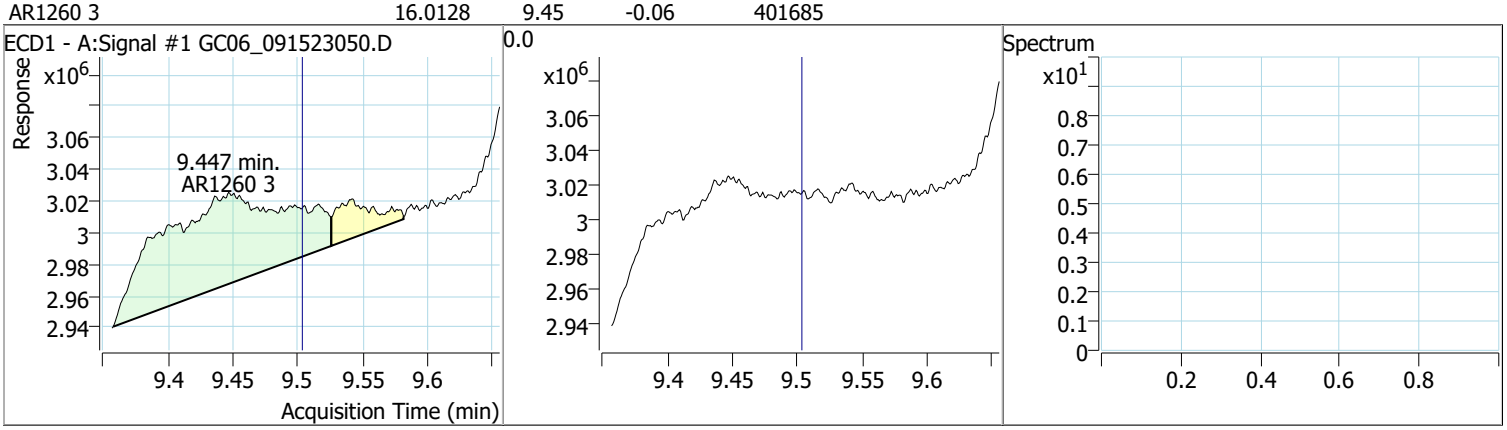
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	62.3045	8.66	0.12	958133				



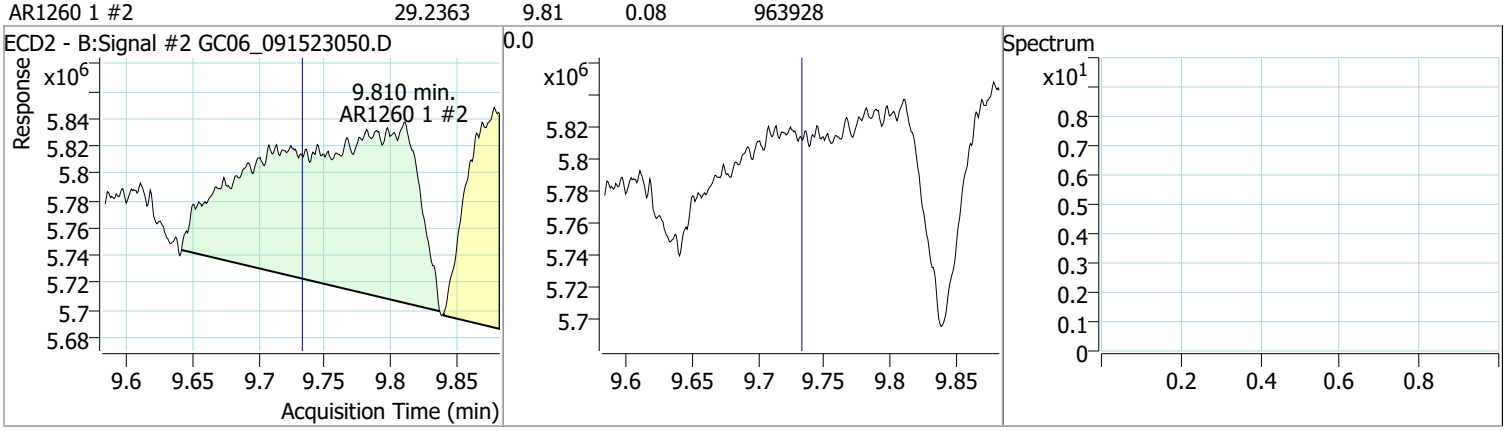
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.7799	9.15	0.11	41785				



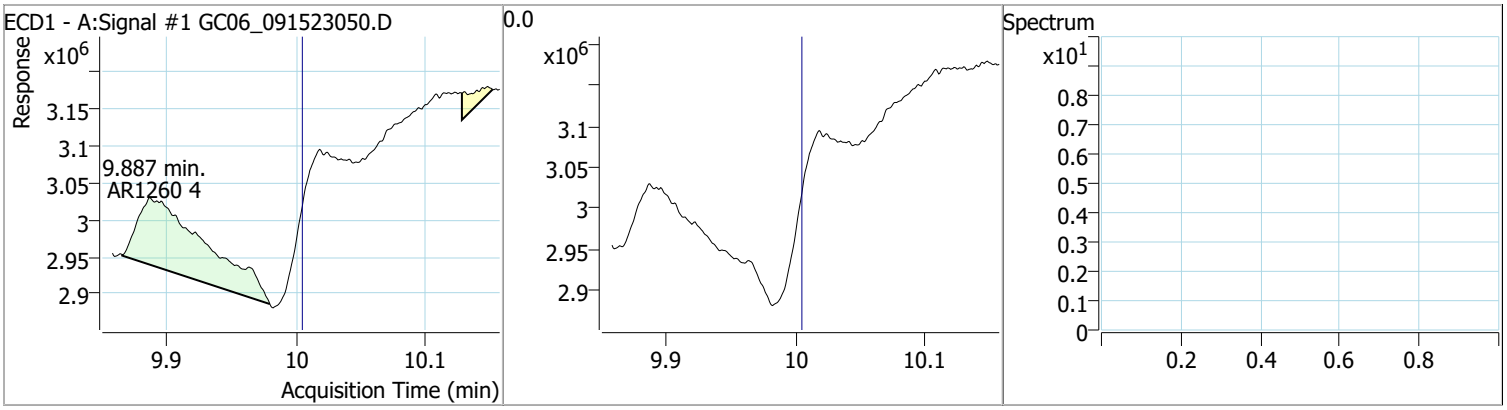
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	16.0128	9.45	-0.06	401685				



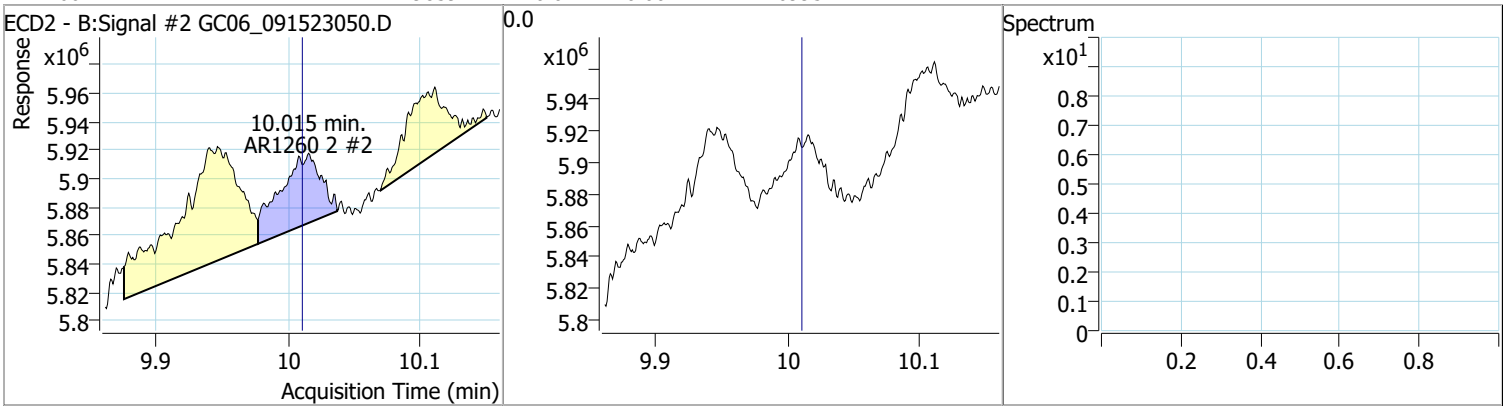
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	29.2363	9.81	0.08	963928				



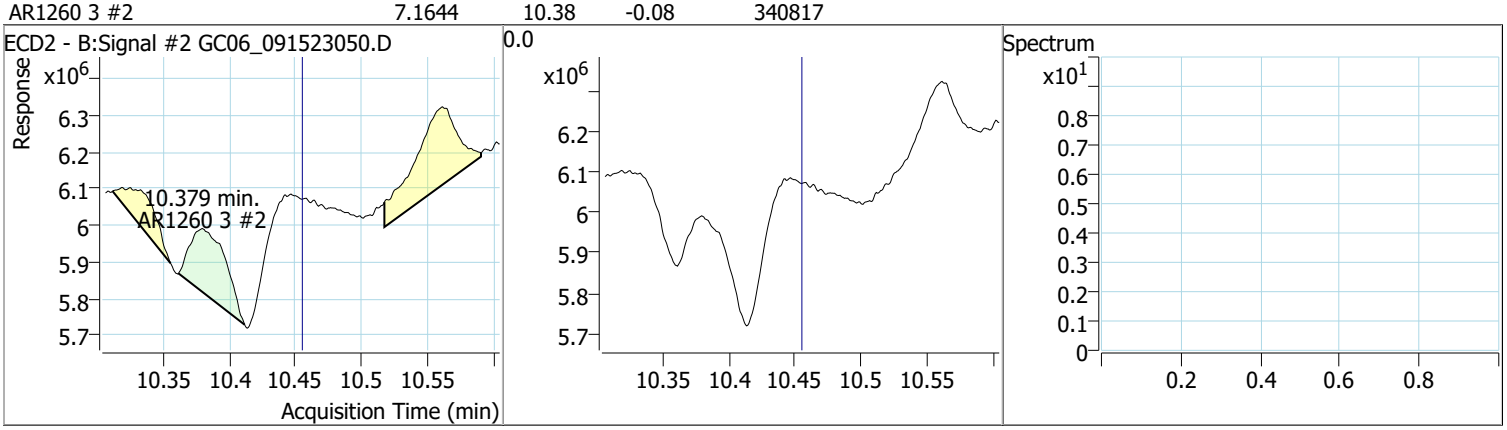
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	26.0084	9.89	-0.12	355452				



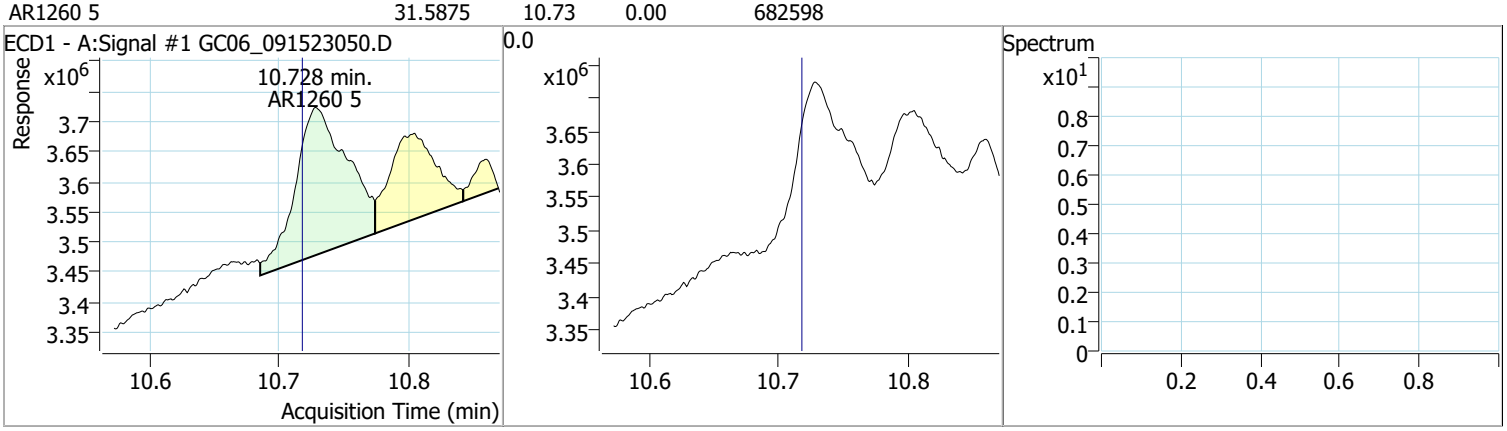
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.9859	10.02	0.00	110995				



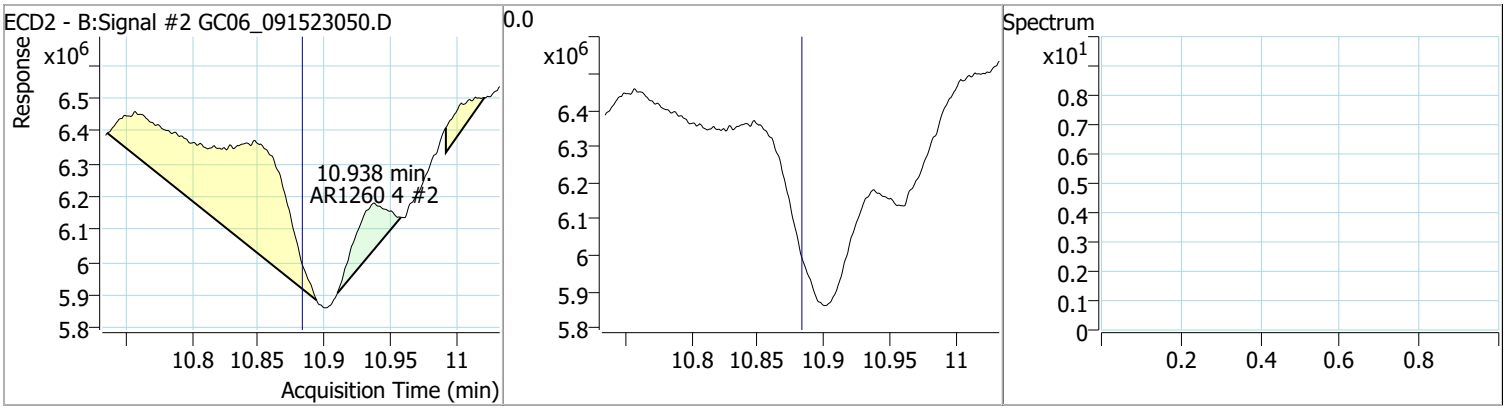
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.1644	10.38	-0.08	340817				



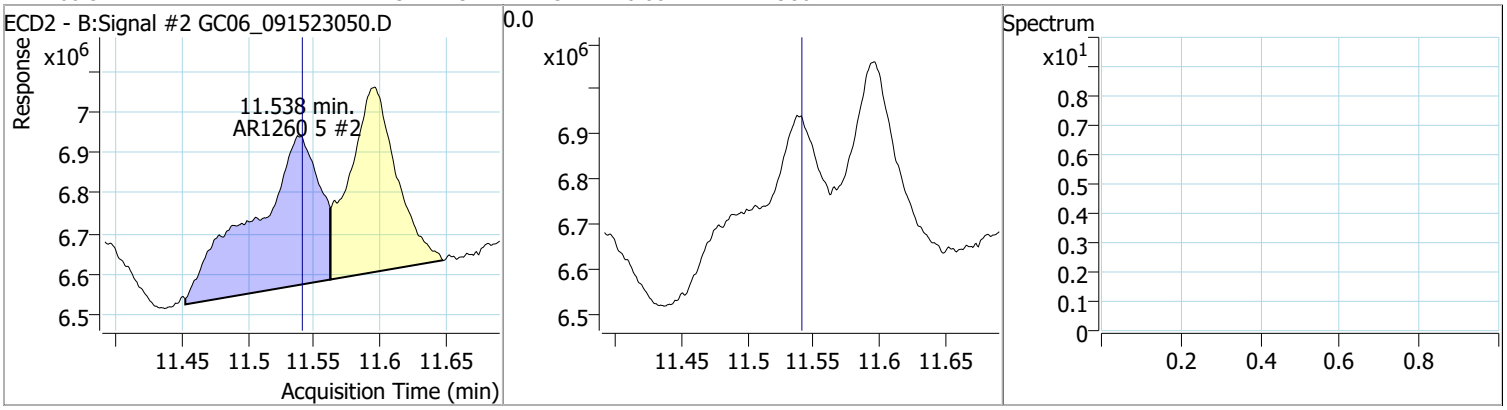
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	31.5875	10.73	0.00	682598				



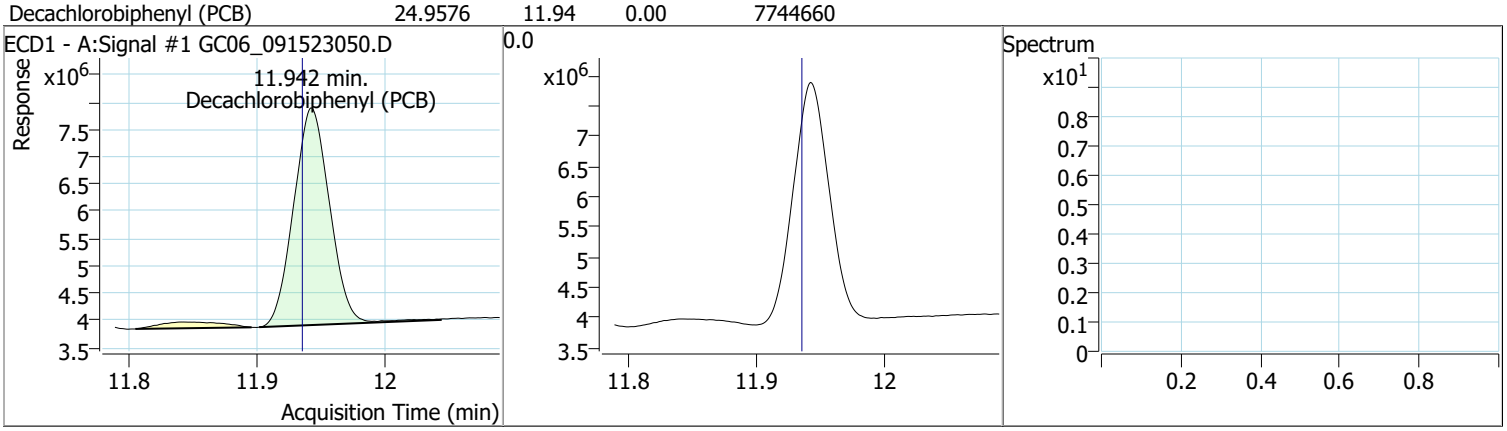
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.7240	10.94	0.05	242405				



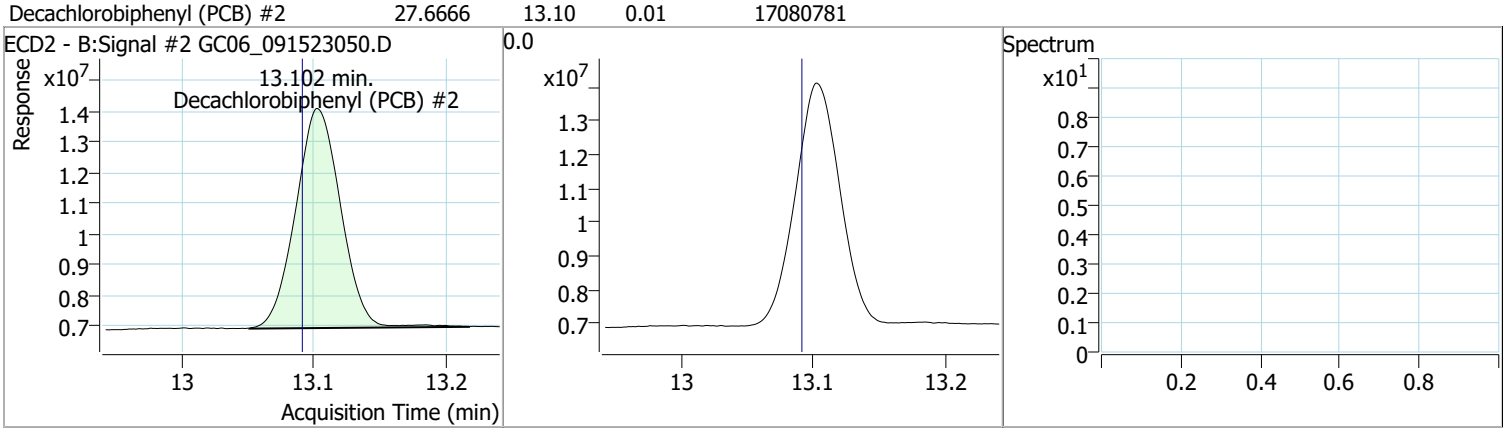
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	32.2449	11.54	0.00	1298641				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	24.9576	11.94	0.00	7744660				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.6666	13.10	0.01	17080781				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-016	Client ID:	ARCH-C8W-MED-L3-UP-C8.4-DG-230911-P-DUP-LA
Seqnum:	453372148051	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523051	Batch:	322492	Time:	16-SEP-2023 01:49
Cal:	453205686001	Caldate:	22-MAY-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	36.58	ND	0.77	71%	0.50		u
Aroclor-1016 Peak # 1	B	32.23	0.32	0.66	69%			
Aroclor-1016 Peak # 2	B	4.276	0.04	0.37	159%			
Aroclor-1016 Peak # 3	B	115.2	1.15	0.58	67%			
Aroclor-1016 Peak # 4	B	10.33	0.10	1.65	176%			
Aroclor-1016 Peak # 5	B	20.85	0.21	0.59	95%			
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	18.22	ND	0.16	14%	0.50		u
Aroclor-1260 Peak # 1	B	23.89	0.24	ND				
Aroclor-1260 Peak # 2	B	2.984	0.03	0.06	67%			
Aroclor-1260 Peak # 3	B	5.325	0.05	0.09	52%			
Aroclor-1260 Peak # 4	B	30.58	0.31	0.47	42%			
Aroclor-1260 Peak # 5	B	28.30	0.28	0.18	46%			
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	28.33	0.5000	0.2833	57	19-121	c- u
Decachlorobiphenyl (PCB)	B	26.29	0.5000	0.2629	53	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_091523043)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12178827	11858203	-2.63
1-bromo-2-nitrobenzene (PCB)	A	5027098	4713306	-6.24

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

ISTD (CCV gc06_091523043)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

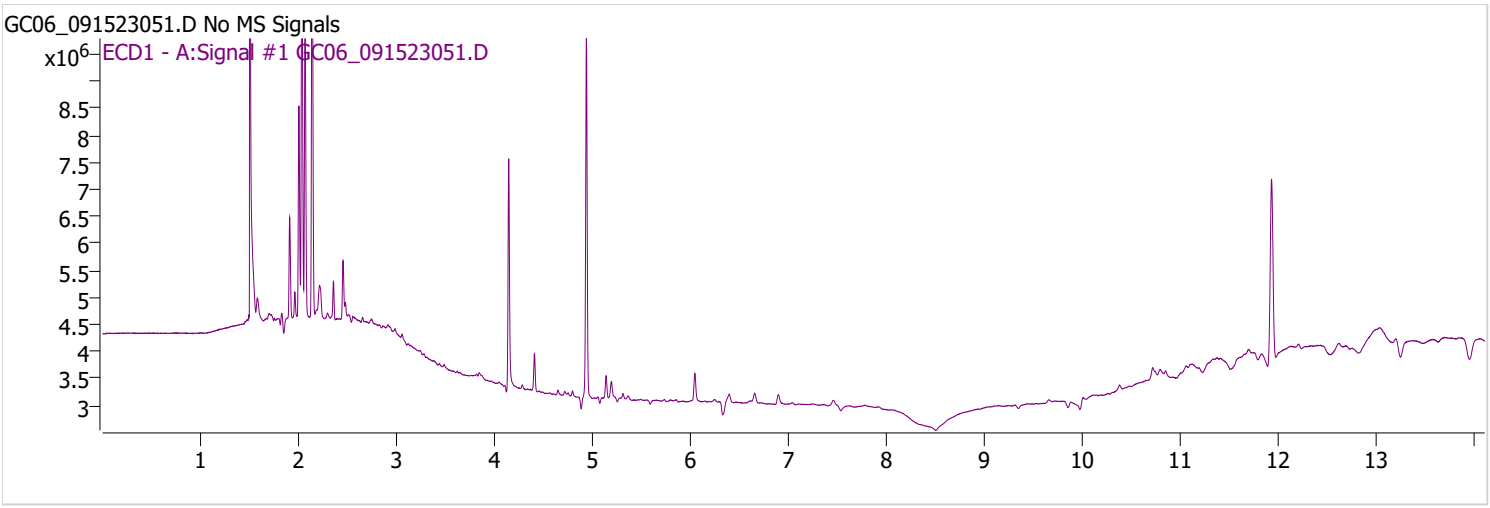
09/18/23 : WIPE/1S-10ML

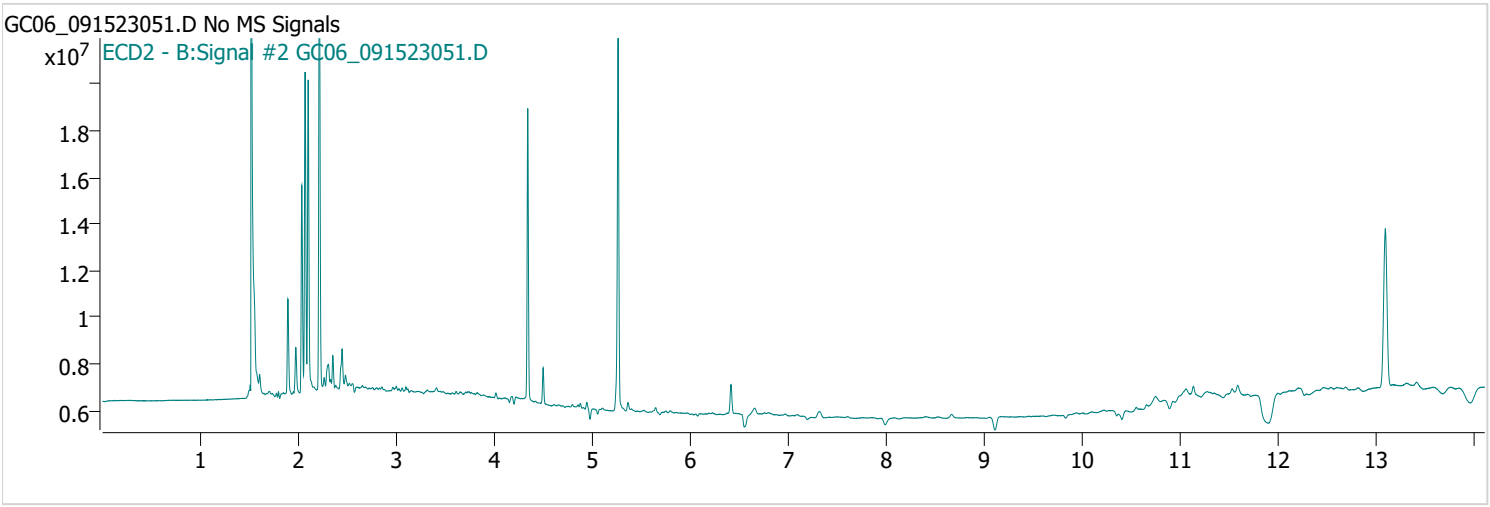
-=low bias c=CCV u=use

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523051.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/16/2023 1:49:47 AM
Sample Name	492059-016, 322492, 1	Instrument	SVOA-GC06
Vial	42	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



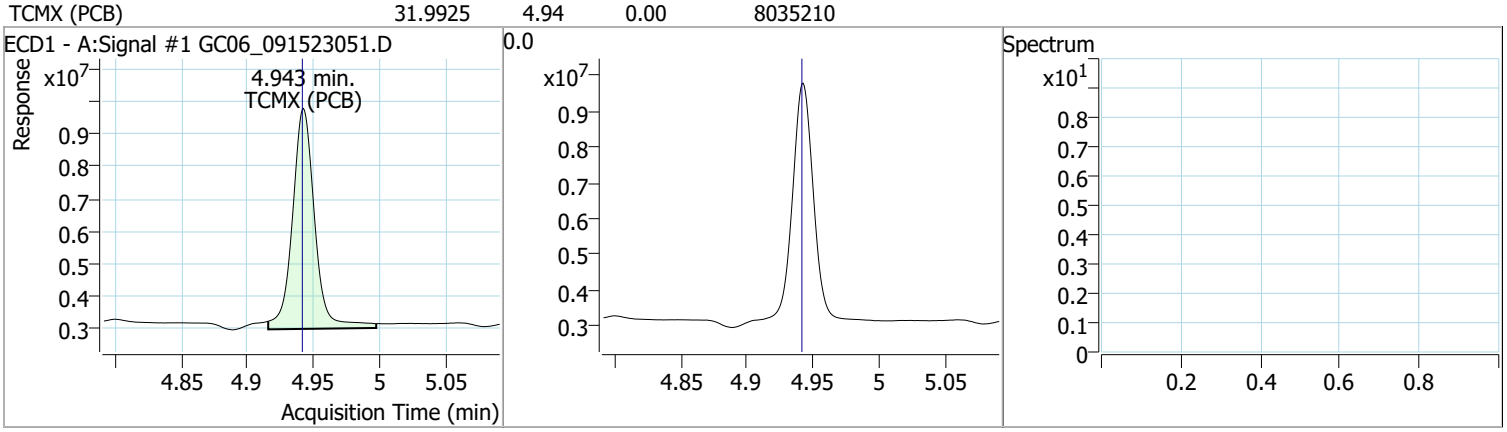


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	4713306.386	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	11858202.984	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8035209.516	31.9925	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.96%		*	
S TCMX (PCB) #2	5.267	0.0	17822376.603	28.3335	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 141.67%			
S Decachlorobiphenyl (PCB)	11.941	0.0	6718889.587	21.3627	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 106.81%			
S Decachlorobiphenyl (PCB) #2	13.103	0.0	16462936.373	26.2894	ng/ml		0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 131.45%			
Target Compounds							QValue

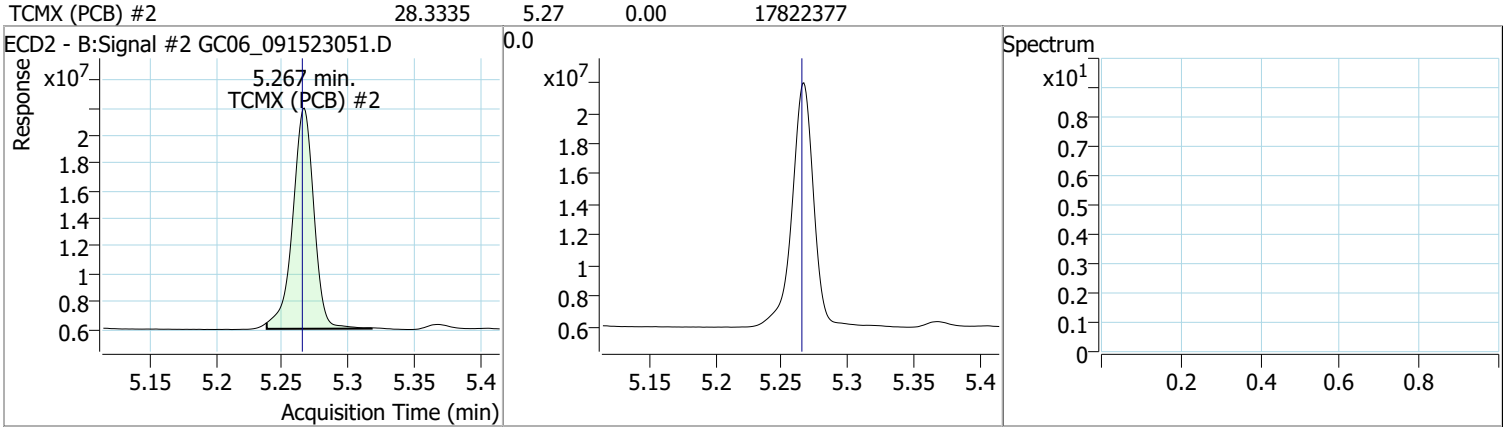
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.314	0.0	348829.277	66.3547	ng/ml	100
T AR1016 2	5.739	0.0	396909.386	37.1889	ng/ml	100
T AR1016 1 #2	5.758	0.0	398129.406	32.2335	ng/ml	100
T AR1016 3	6.050	0.0	784928.798	57.5400	ng/ml	100
T AR1016 2 #2	6.161	0.0	118653.284	4.2765	ng/ml	100
T AR1016 4	6.249	0.0	1360116.911	165.4201	ng/ml	100
T AR1016 5	6.660	0.0	369122.166	58.6992	ng/ml	100
T AR1016 3 #2	6.662	0.0	3845808.485	115.1923	ng/ml	100
T AR1016 4 #2	6.802	0.0	248287.306	10.3327	ng/ml	100
T AR1016 5 #2	7.489	0.0	267310.011	20.8549	ng/ml	100
T AR1260 1	0.000		0	N.D.		
T AR1260 2	9.155	0.0	142863.505	6.0041	ng/ml	100
T AR1260 3	9.604	0.0	229963.072	9.0448	ng/ml	100
T AR1260 1 #2	9.703	0.0	798928.110	23.8897	ng/ml	100
T AR1260 4	9.893	0.0	647701.425	46.7590	ng/ml	100
T AR1260 2 #2	10.013	0.0	112497.957	2.9836	ng/ml	100
T AR1260 3 #2	10.375	0.0	256949.750	5.3252	ng/ml	100
T AR1260 5	10.726	0.0	388479.847	17.7369	ng/ml	100
T AR1260 4 #2	10.845	0.0	861841.955	30.5794	ng/ml	100
T AR1260 5 #2	11.539	0.0	1156244.944	28.3040	ng/ml	100

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

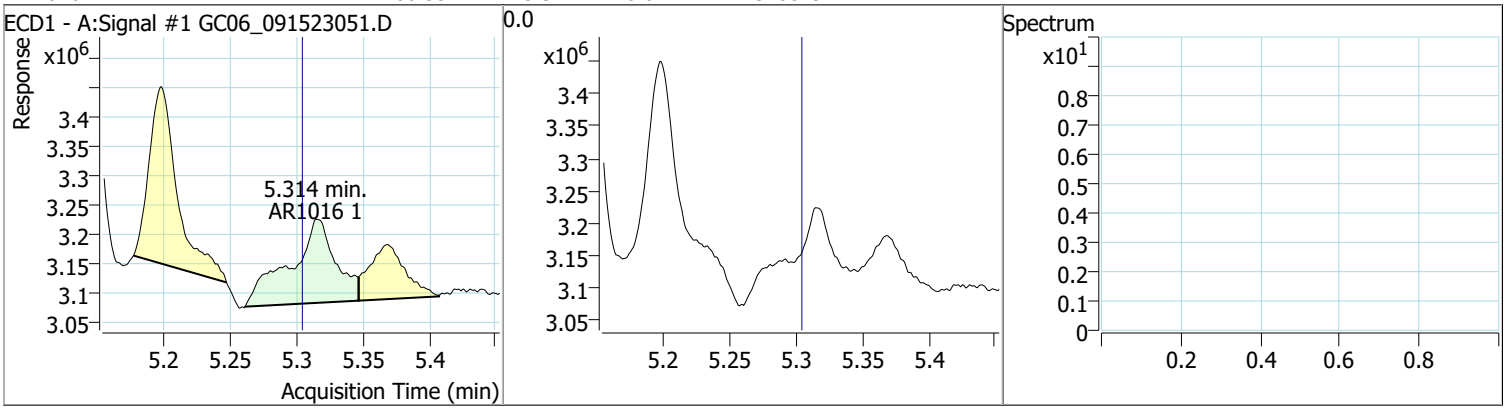
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9925	4.94	0.00	8035210				



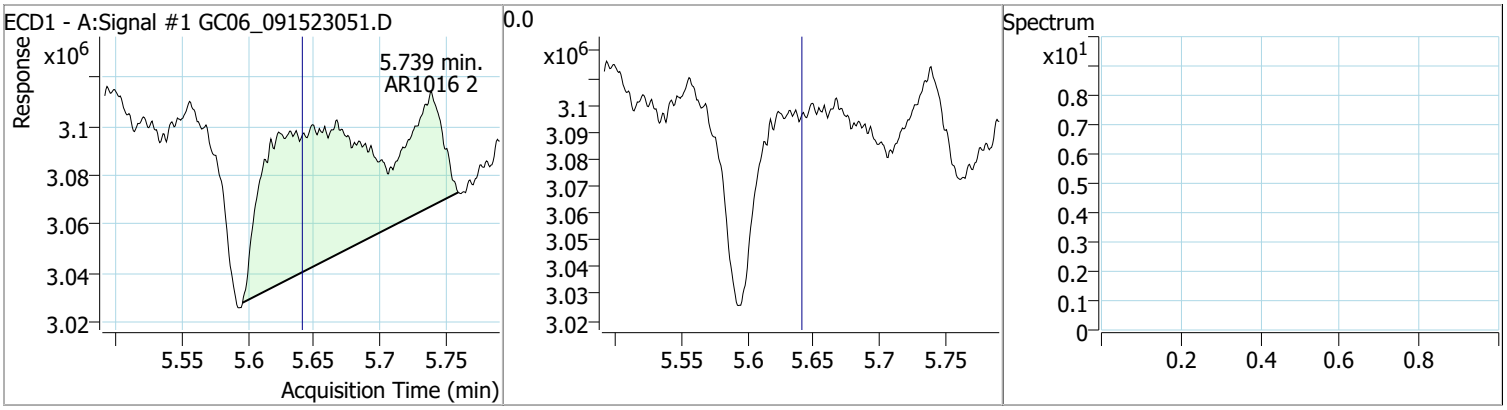
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.3335	5.27	0.00	17822377				



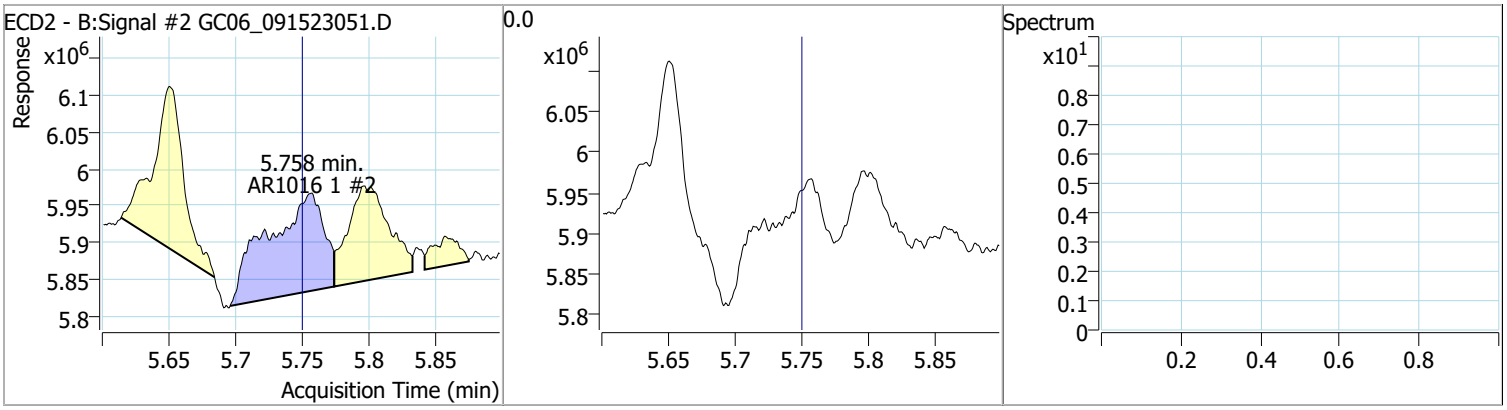
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	66.3547	5.31	0.01	348829				



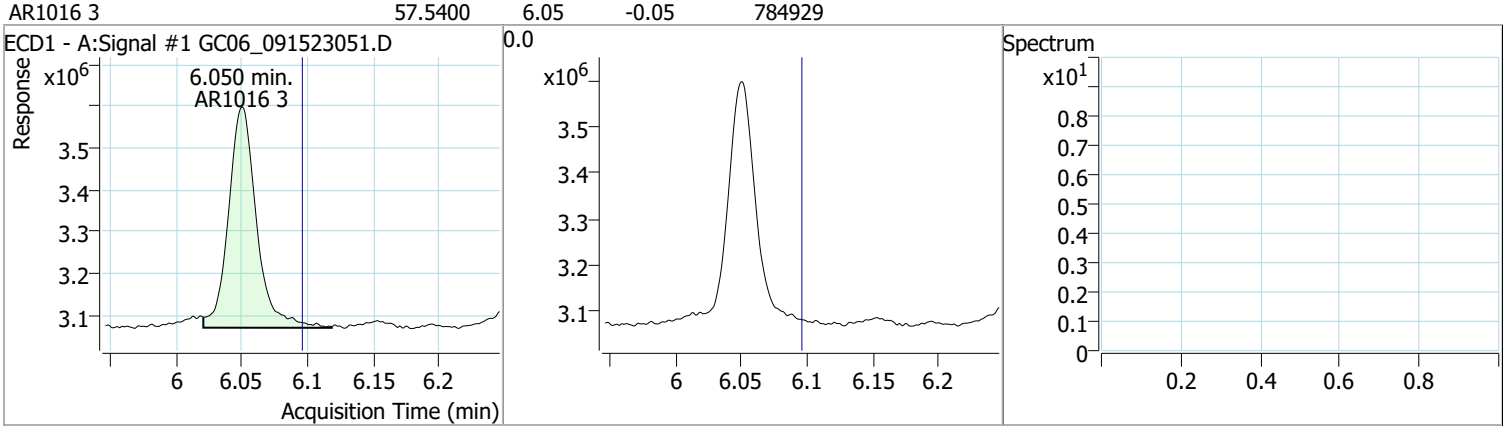
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	37.1889	5.74	0.10	396909				



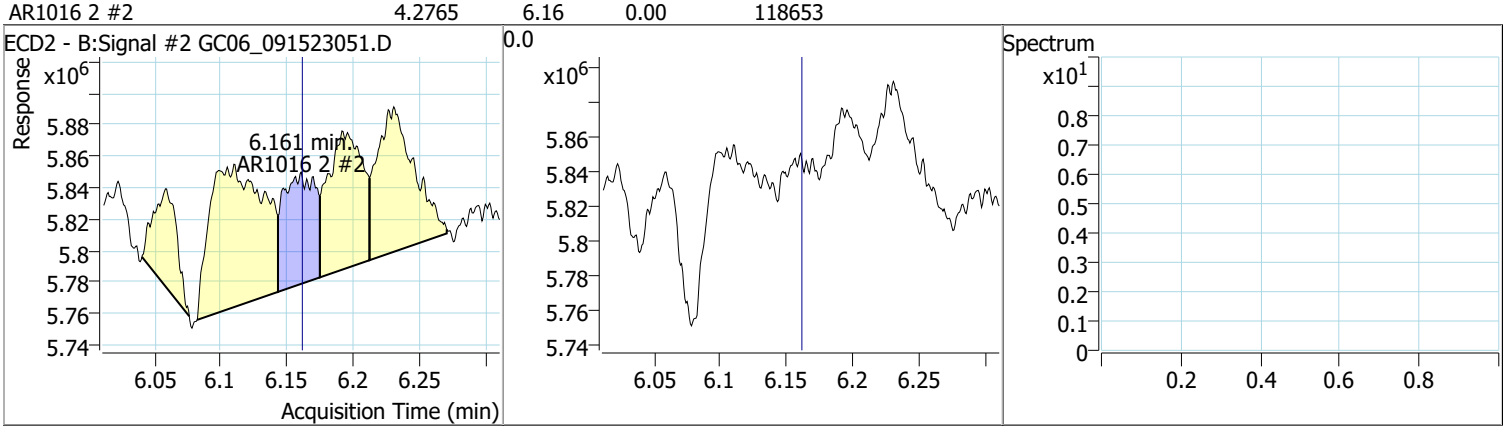
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	32.2335	5.76	0.01	398129				



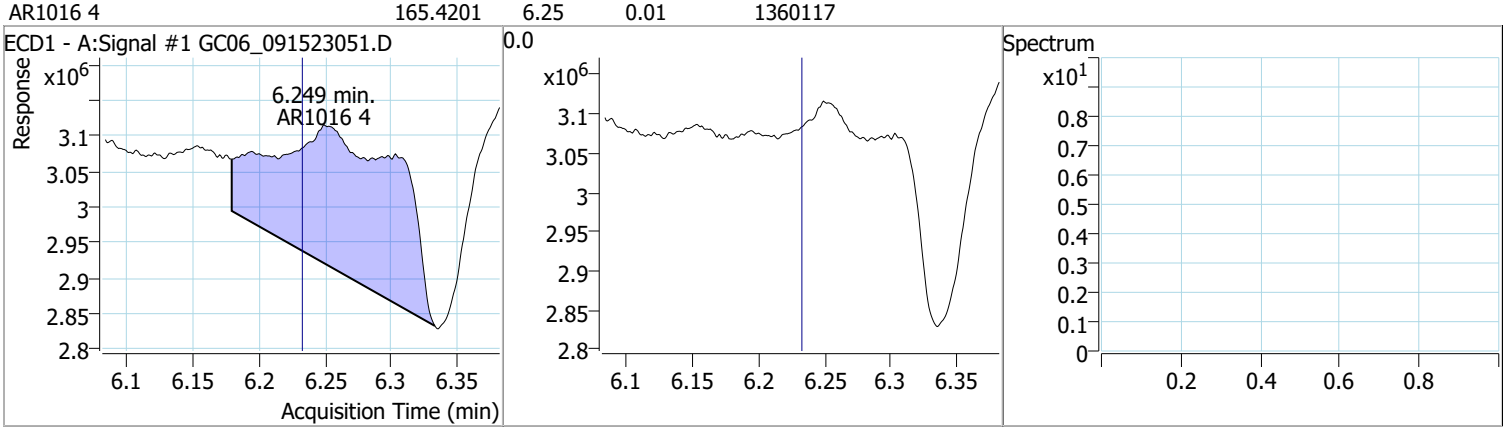
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	57.5400	6.05	-0.05	784929				



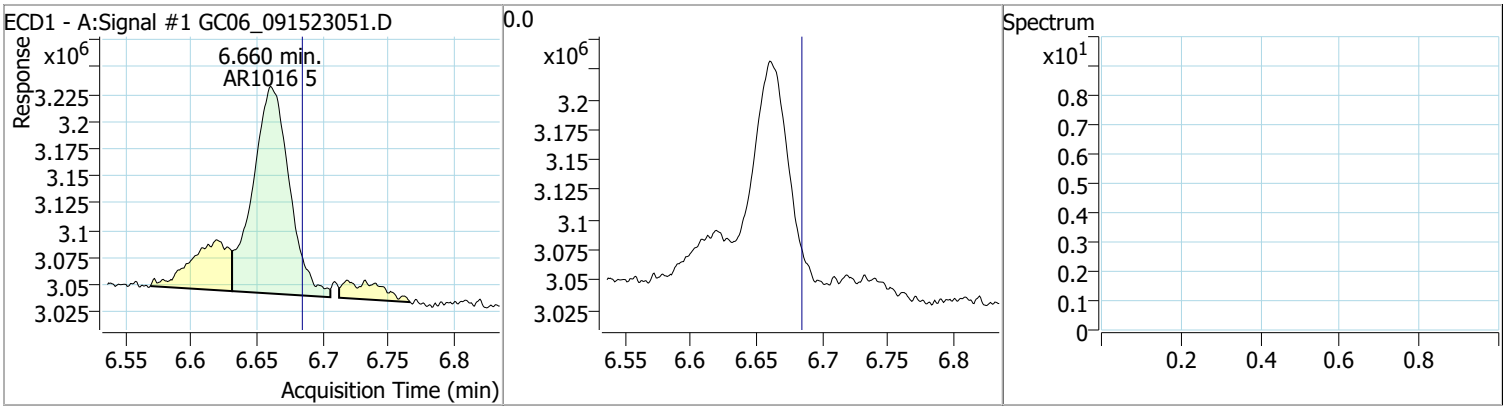
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.2765	6.16	0.00	118653				



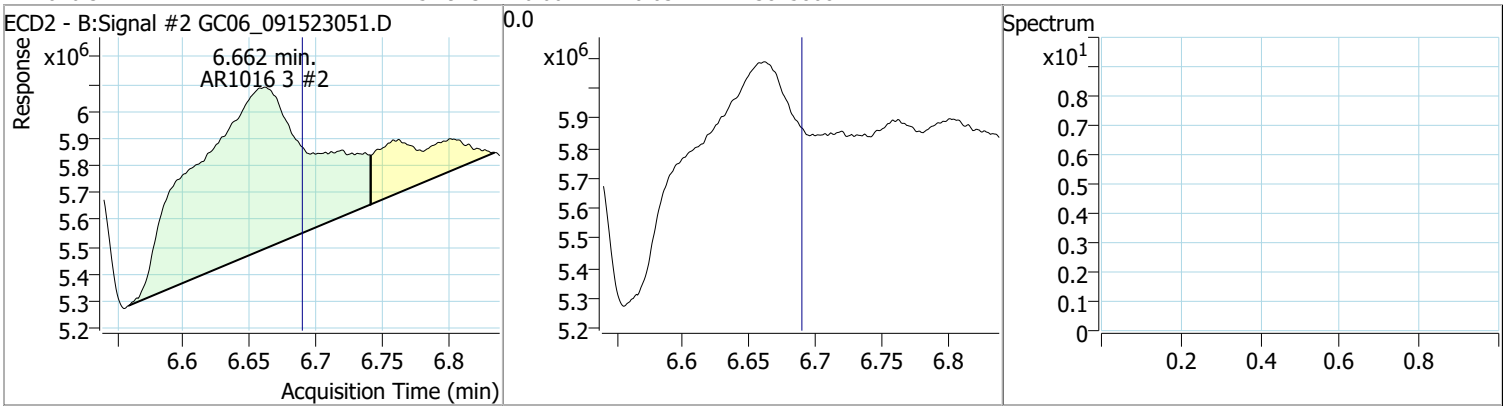
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	165.4201	6.25	0.01	1360117				



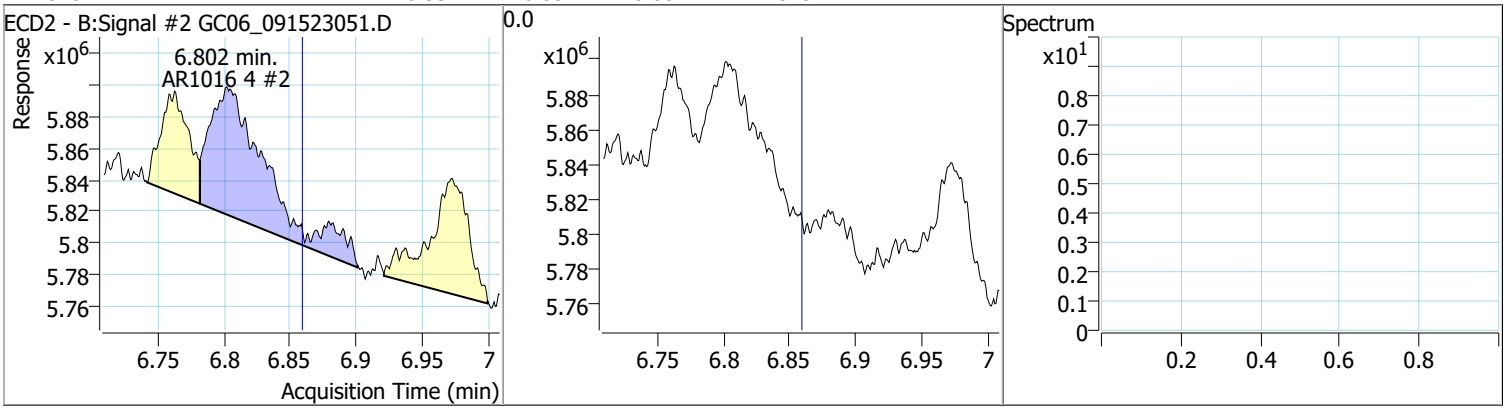
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	58.6992	6.66	-0.03	369122				



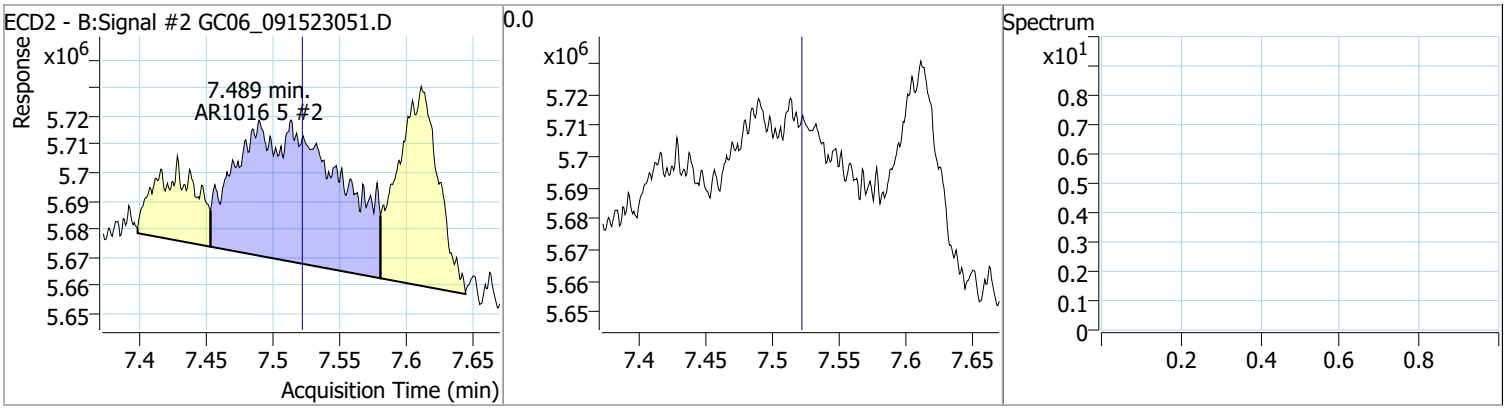
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	115.1923	6.66	-0.03	3845808				



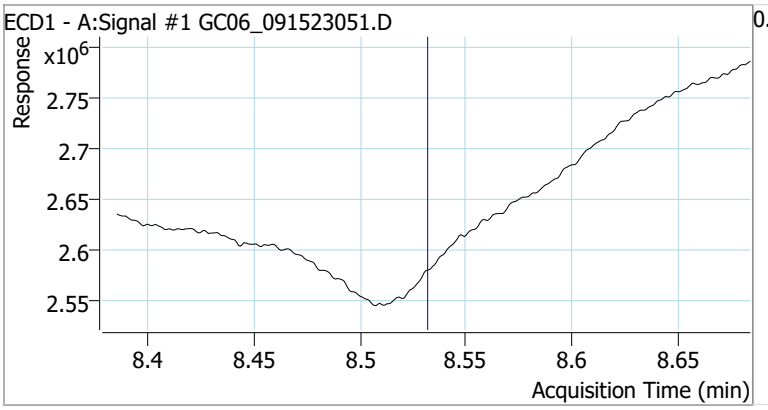
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.3327	6.80	-0.06	248287				

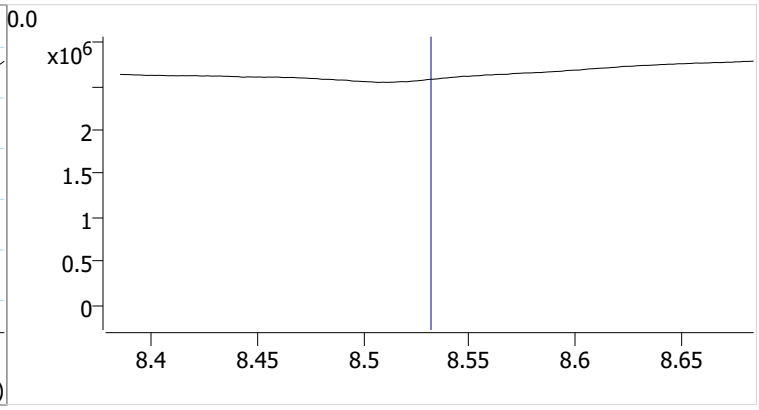


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	20.8549	7.49	-0.03	267310				

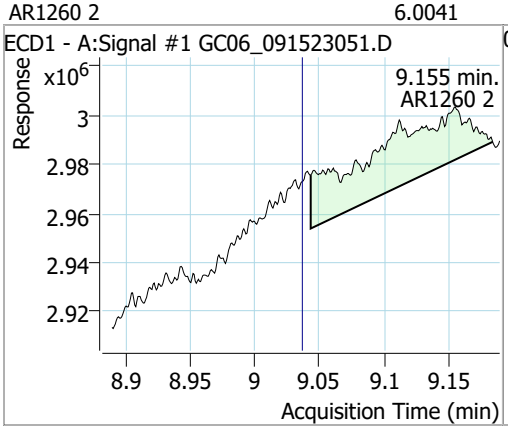


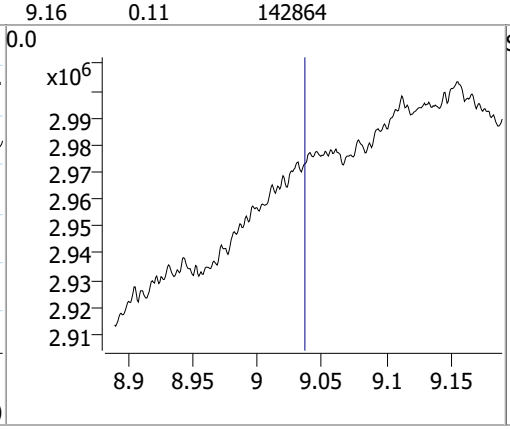
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 1	N.D.	8.54		

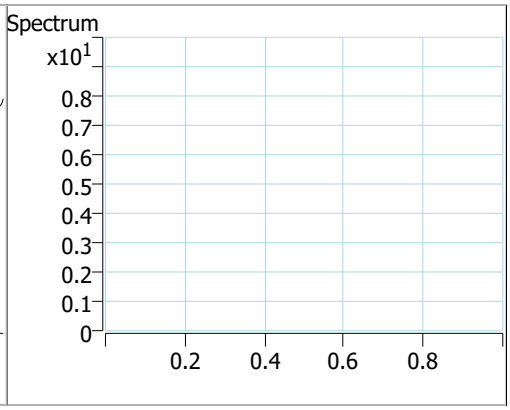




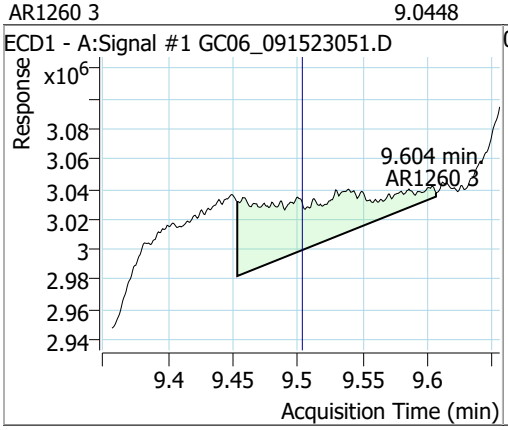
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	6.0041	9.16	0.11	142864				

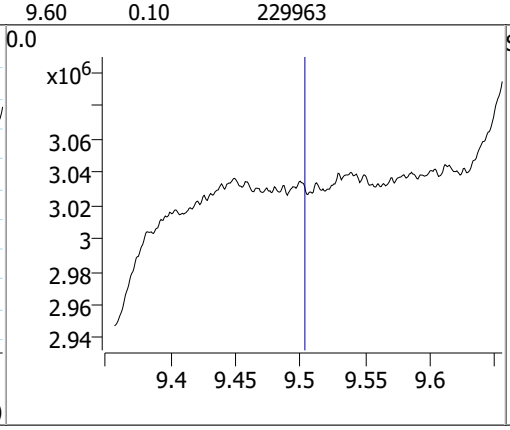


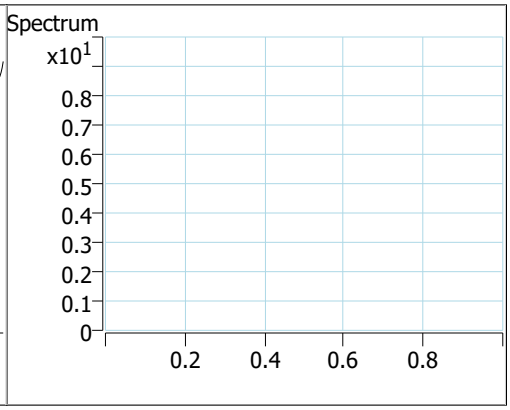




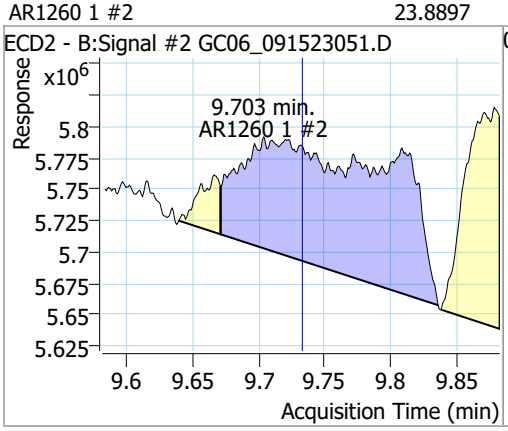
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.0448	9.60	0.10	229963				

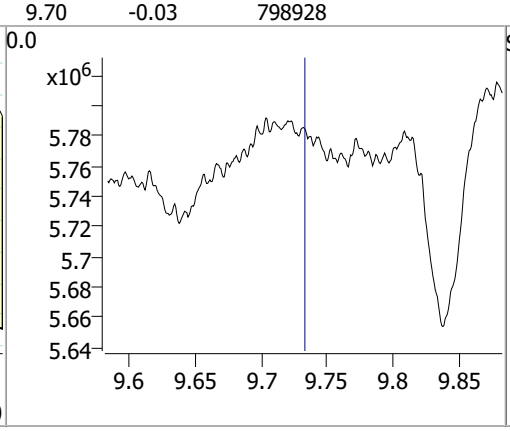


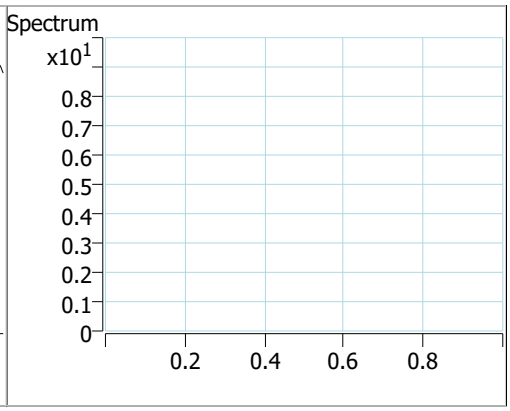




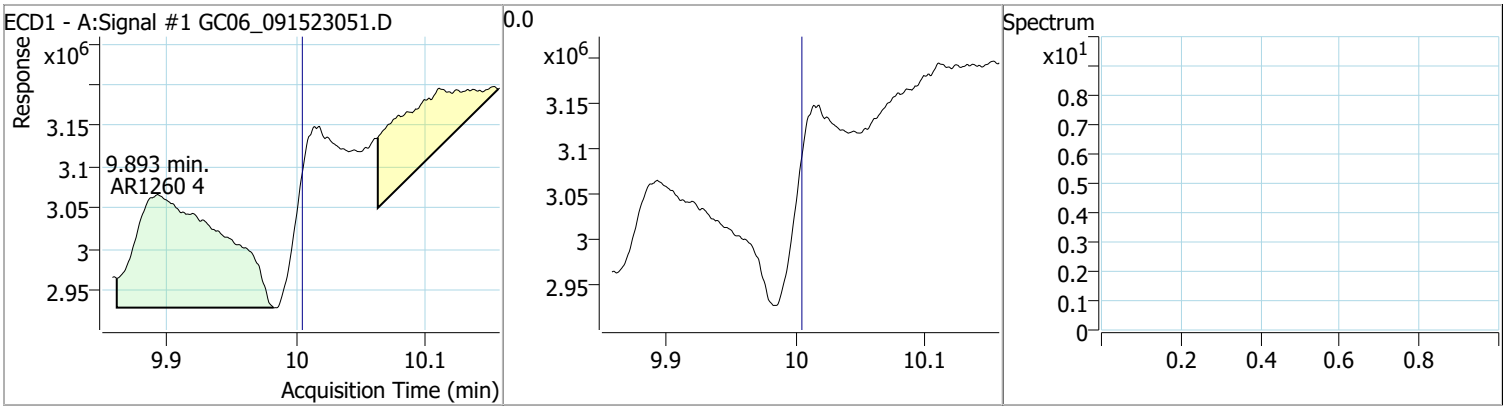
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	23.8897	9.70	-0.03	798928				



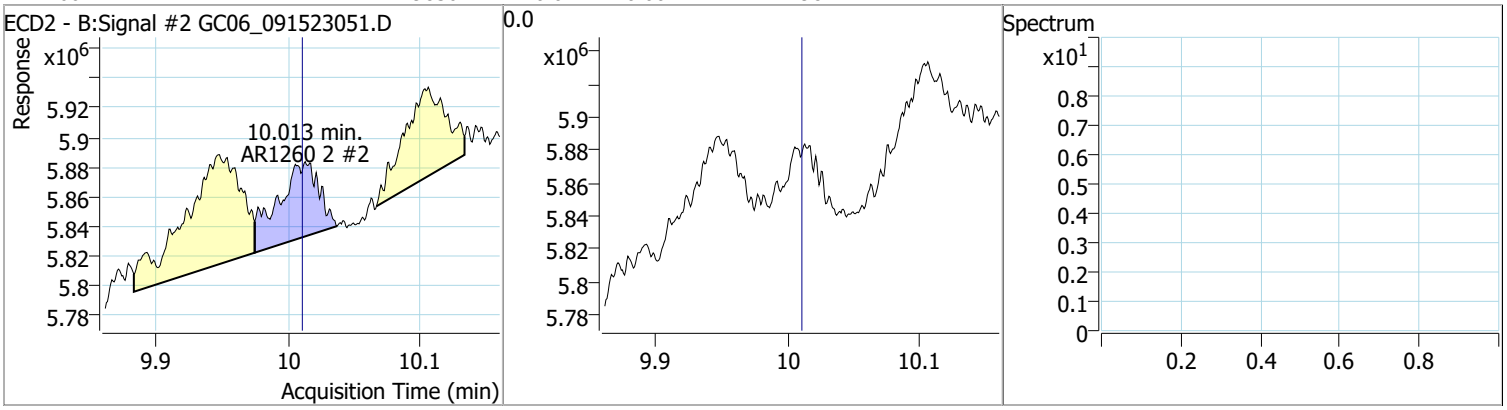




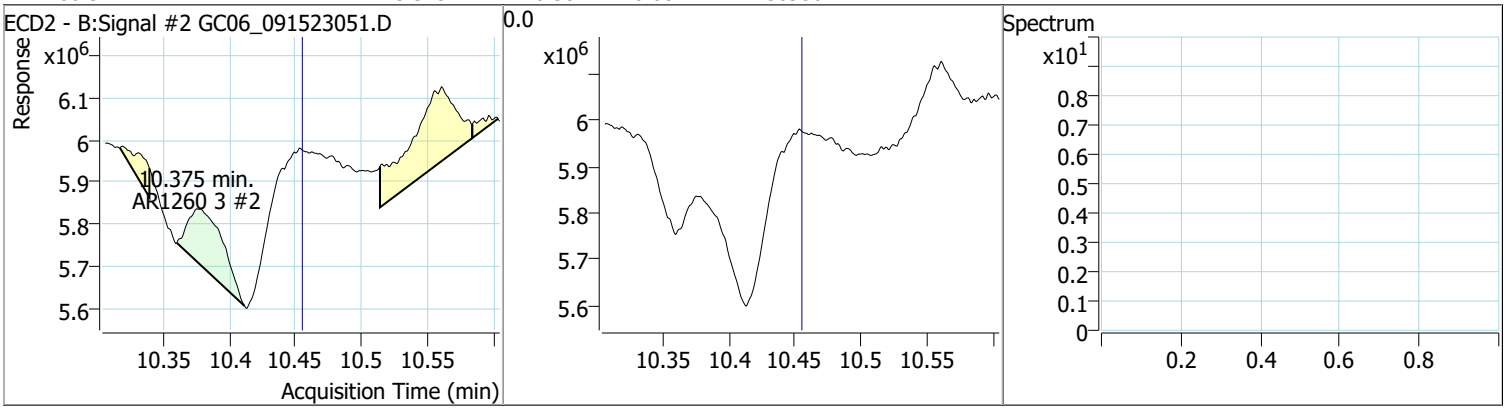
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	46.7590	9.89	-0.12	647701				



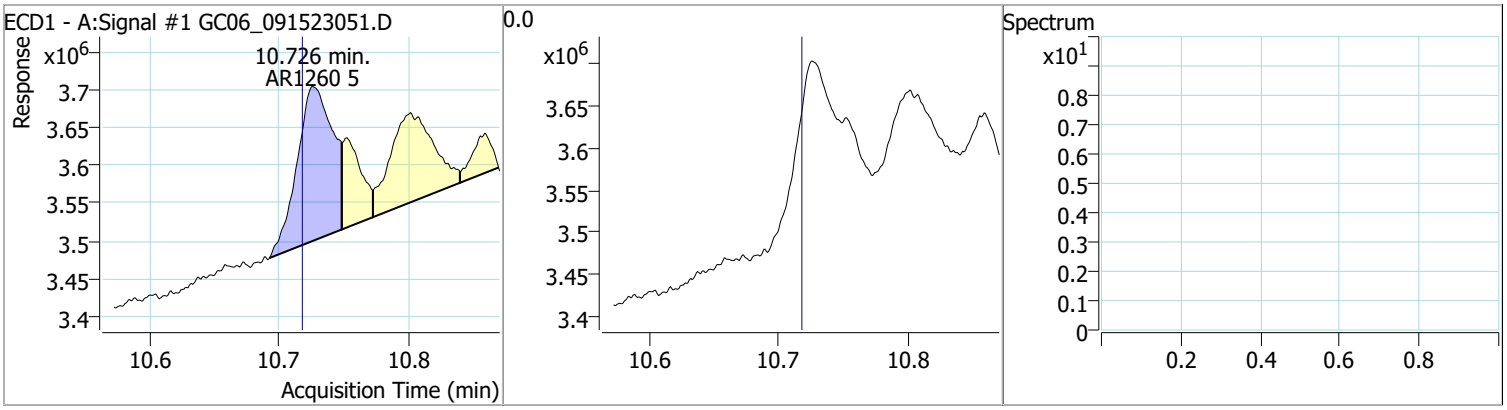
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.9836	10.01	0.00	112498				



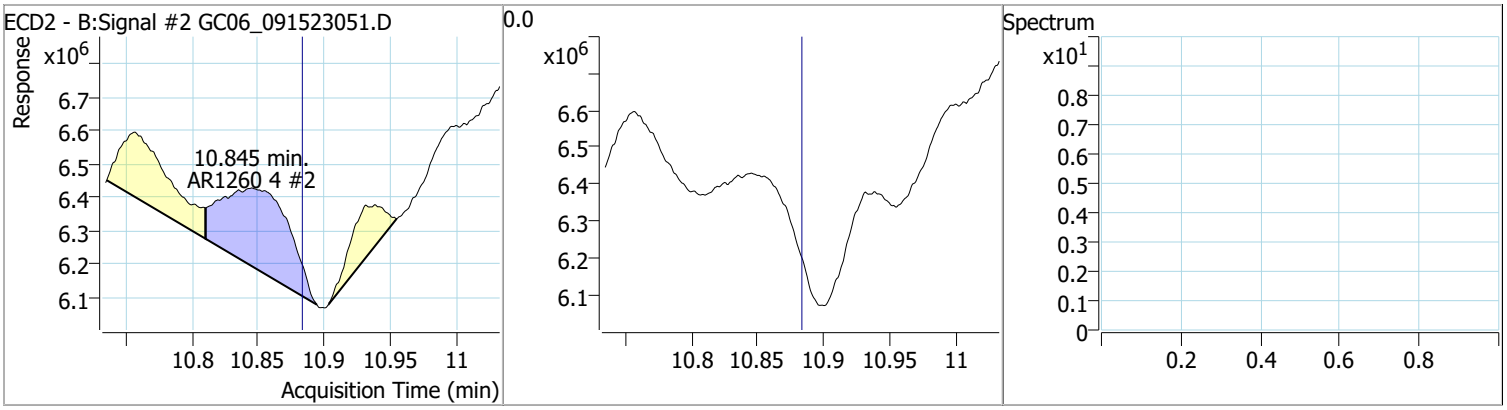
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.3252	10.38	-0.08	256950				



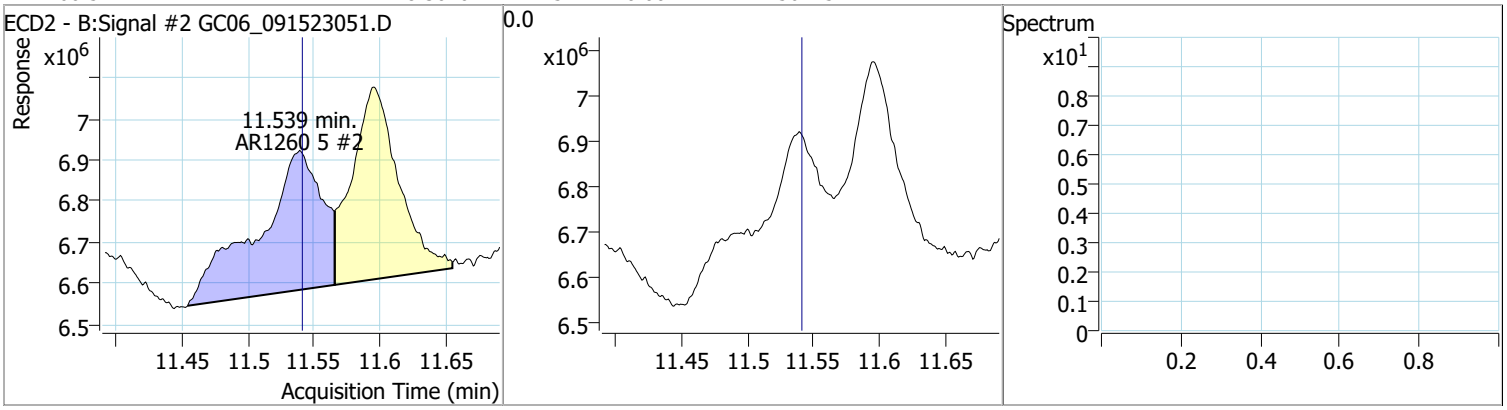
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	17.7369	10.73	0.00	388480				



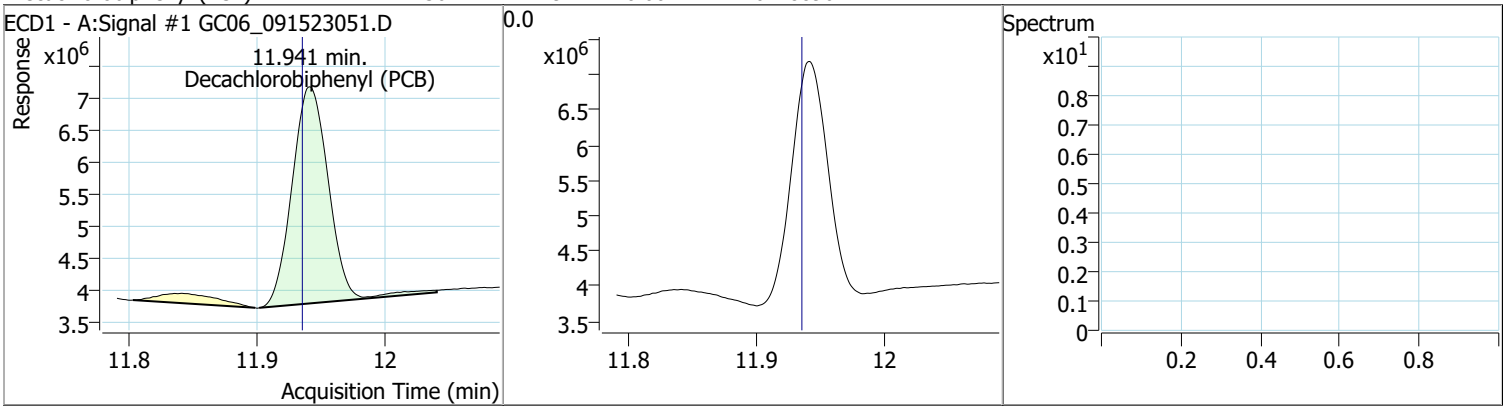
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	30.5794	10.85	-0.04	861842				



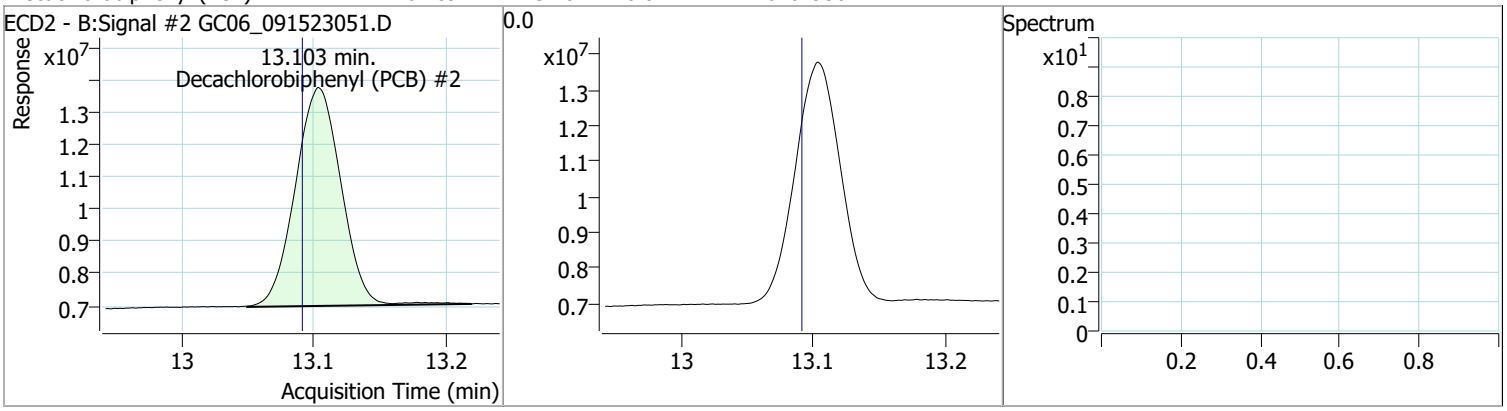
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	28.3040	11.54	0.00	1156245				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	21.3627	11.94	0.00	6718890				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.2894	13.10	0.01	16462936				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-018	Client ID:	ARCH-C9W-LAT-L3-UP-C9.1-HS-230911-P-LA
Seqnum:	453372148052	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523052	Batch:	322492	Time:	16-SEP-2023 02:08
Cal:	453205686001	Caldate:	22-MAY-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	40.15	ND	0.83	69%	0.50		u
Aroclor-1016 Peak # 1	B	46.13	0.46	0.79	53%			
Aroclor-1016 Peak # 2	B	38.26	0.38	0.32	19%			
Aroclor-1016 Peak # 3	B	96.06	0.96	0.68	34%			
Aroclor-1016 Peak # 4	B	2.119	0.02	1.79	195%			
Aroclor-1016 Peak # 5	B	18.17	0.18	0.55	101%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	27.35	ND	0.24	12%	0.50		u
Aroclor-1260 Peak # 1	B	52.12	0.52	ND				
Aroclor-1260 Peak # 2	B	4.913	0.05	0.06	12%			
Aroclor-1260 Peak # 3	B	8.975	0.09	0.15	53%			
Aroclor-1260 Peak # 4	B	22.07	0.22	0.80	114%			
Aroclor-1260 Peak # 5	B	48.68	0.49	0.20	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	29.62	0.5000	0.2962	59	19-121	c- u
Decachlorobiphenyl (PCB)	B	25.86	0.5000	0.2586	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, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_091523043)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12178827	12638846	3.78
1-bromo-2-nitrobenzene (PCB)	A	5027098	5131422	2.08

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_091523043)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

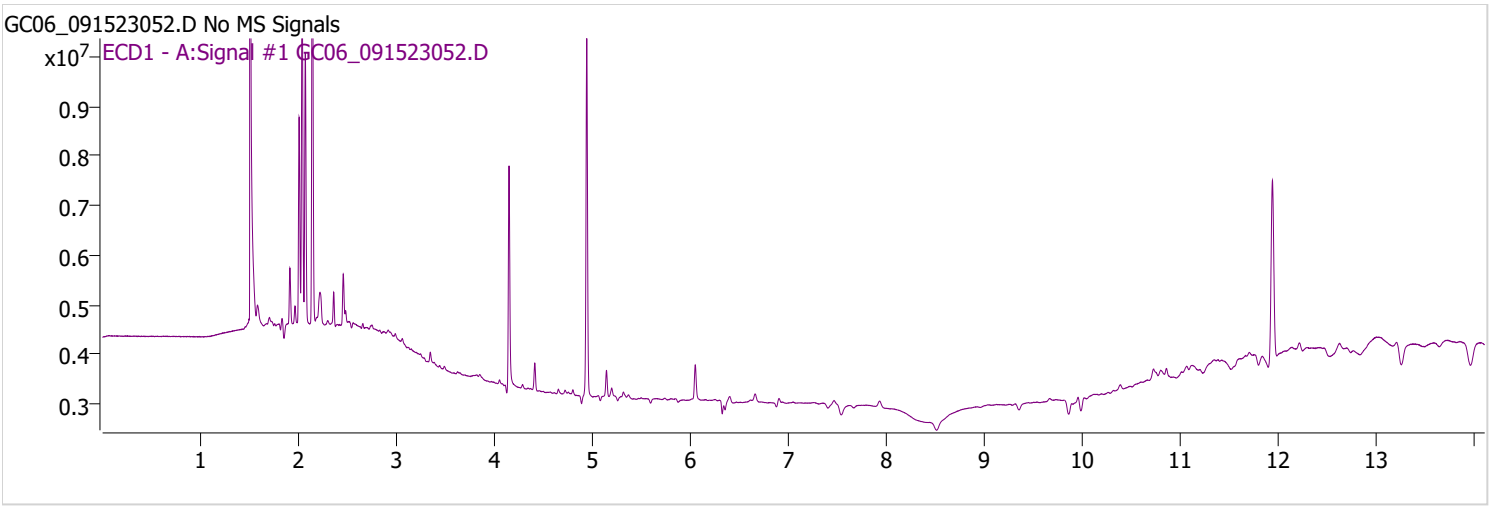
09/18/23 : WIPE/1S-10ML

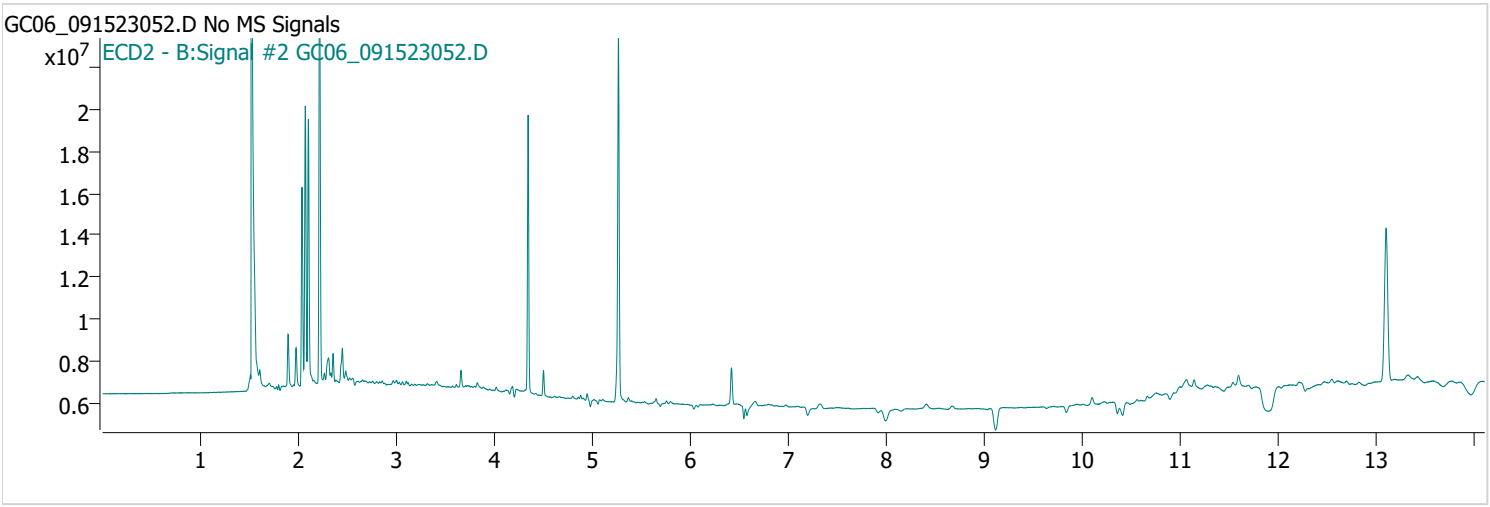
-=low bias c=CCV u=use

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523052.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/16/2023 2:08:38 AM
Sample Name	492059-018, 322492, 1	Instrument	SVOA-GC06
Vial	43	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



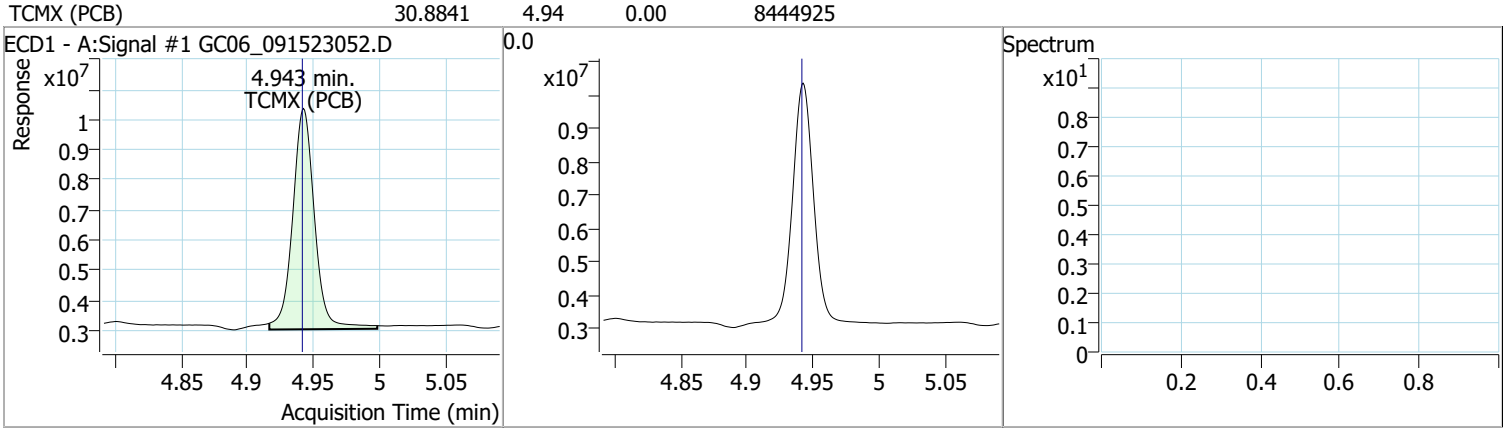


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	5131421.848	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	12638845.514	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8444924.579	30.8841	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.42%		*	
S TCMX (PCB) #2	5.266	0.0	19859627.515	29.6221	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.11%			
S Decachlorobiphenyl (PCB)	11.943	0.0	7335200.479	21.4220	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 107.11%			
S Decachlorobiphenyl (PCB) #2	13.103	0.0	17259734.681	25.8595	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 129.30%			
Target Compounds							QValue

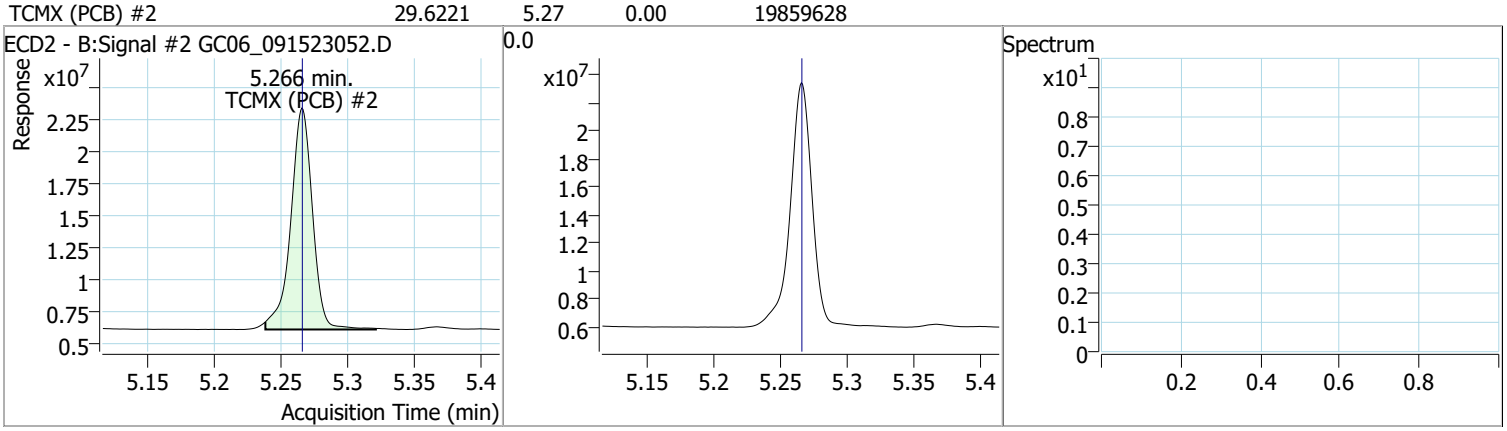
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.318	0.0	454455.240	79.4032	ng/ml	100
T AR1016 2	5.659	0.0	368550.408	31.7181	ng/ml	100
T AR1016 1 #2	5.758	0.0	607323.698	46.1334	ng/ml	100
T AR1016 3	6.050	0.0	1010608.379	68.0472	ng/ml	100
T AR1016 2 #2	6.234	0.0	1131360.663	38.2578	ng/ml	100
T AR1016 4	6.253	0.0	1598554.212	178.5778	ng/ml	100
T AR1016 5	6.661	0.0	377253.731	55.1041	ng/ml	100
T AR1016 3 #2	6.663	0.0	3418074.259	96.0570	ng/ml	100
T AR1016 4 #2	6.888	0.0	54269.761	2.1190	ng/ml	100
T AR1016 5 #2	7.493	0.0	248266.635	18.1728	ng/ml	100
T AR1260 1	0.000		0	N.D.		
T AR1260 2	9.048	0.0	143846.970	5.5528	ng/ml	100
T AR1260 3	9.608	0.0	428452.347	15.4786	ng/ml	100
T AR1260 1 #2	9.708	0.0	1857891.989	52.1236	ng/ml	100
T AR1260 4	9.958	0.0	1207736.282	80.0849	ng/ml	100
T AR1260 2 #2	10.008	0.0	197452.219	4.9132	ng/ml	100
T AR1260 3 #2	10.383	0.0	461580.530	8.9752	ng/ml	100
T AR1260 5	10.730	0.0	487721.000	20.4535	ng/ml	100
T AR1260 4 #2	10.856	0.0	662848.037	22.0661	ng/ml	100
T AR1260 5 #2	11.596	0.0	2119414.684	48.6771	ng/ml	100

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

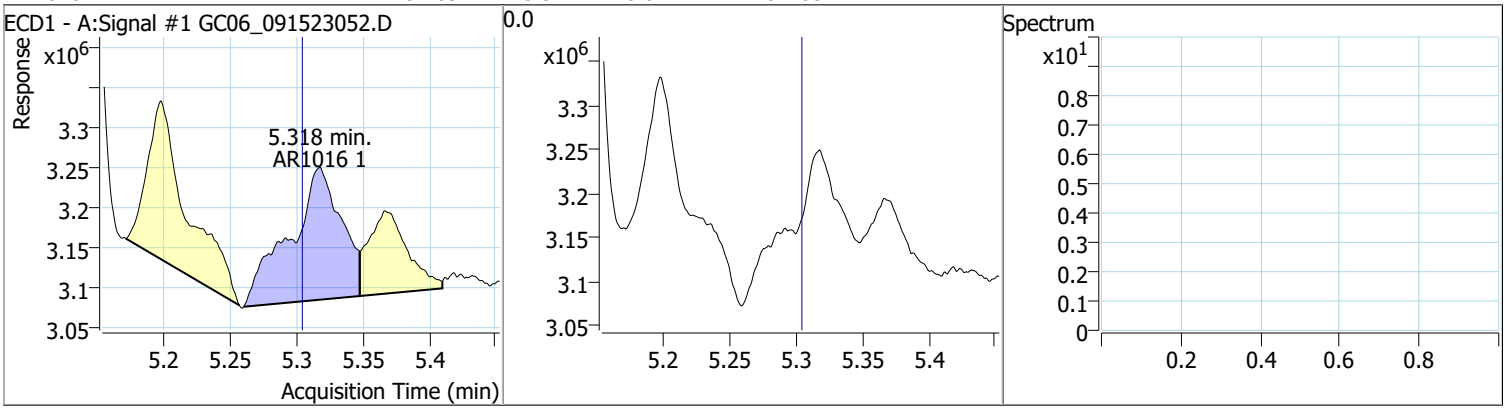
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.8841	4.94	0.00	8444925				



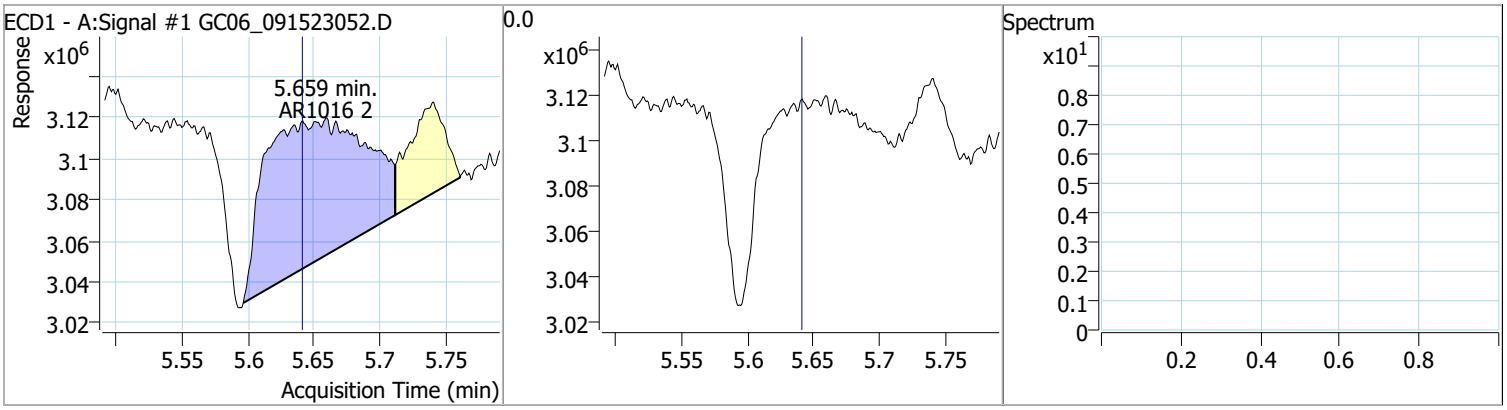
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.6221	5.27	0.00	19859628				



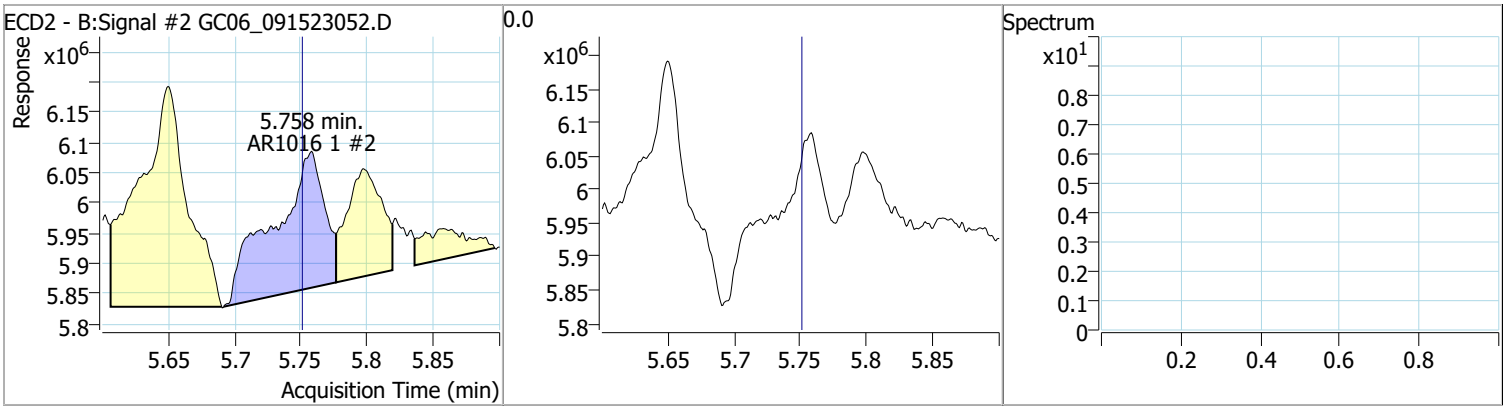
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	79.4032	5.32	0.01	454455				



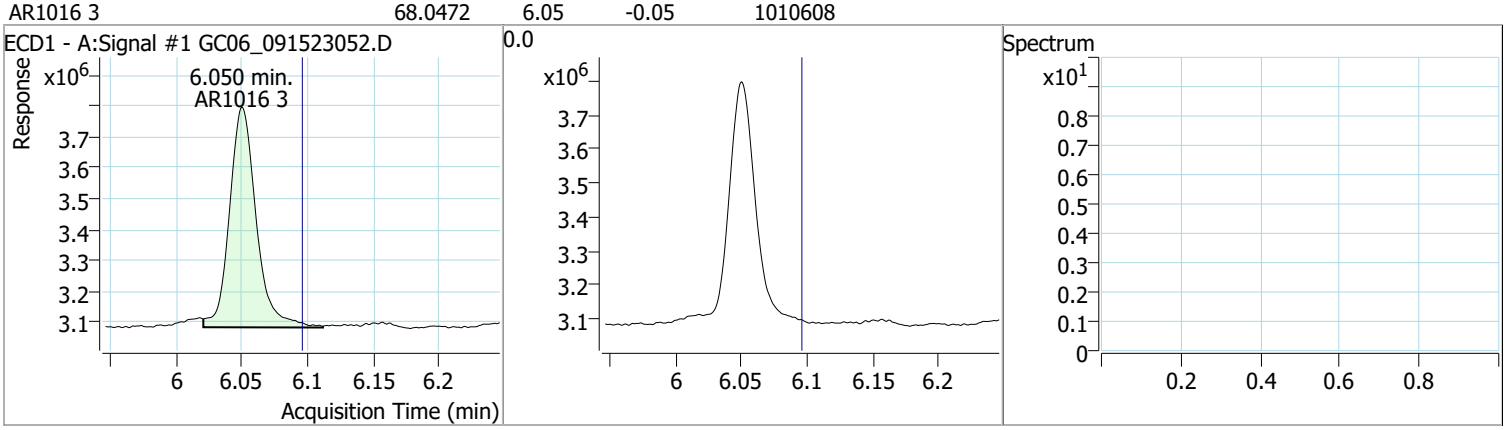
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	31.7181	5.66	0.02	368550				



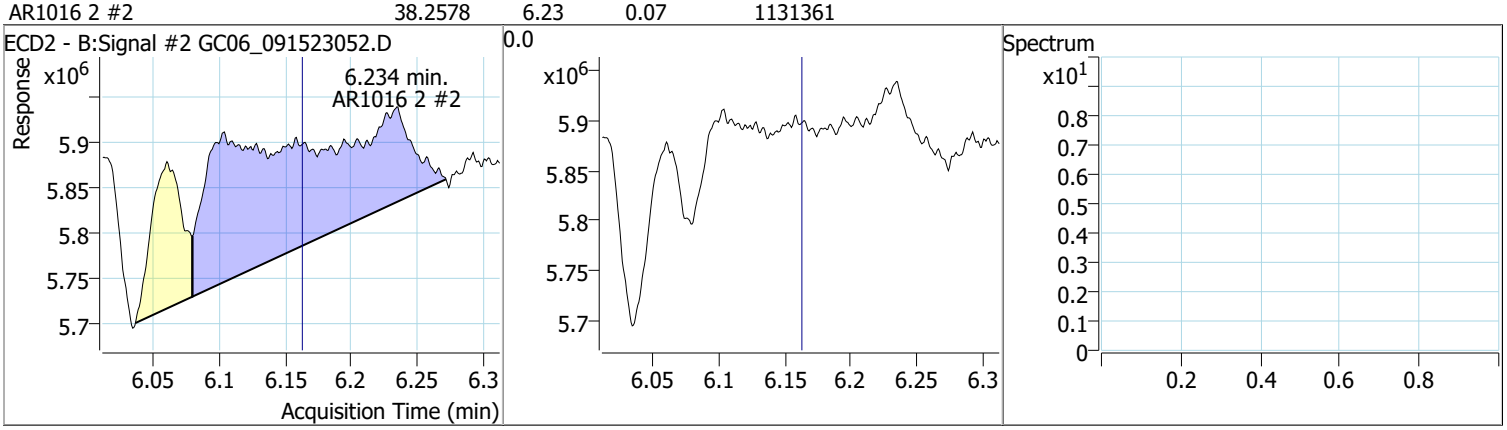
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	46.1334	5.76	0.01	607324				



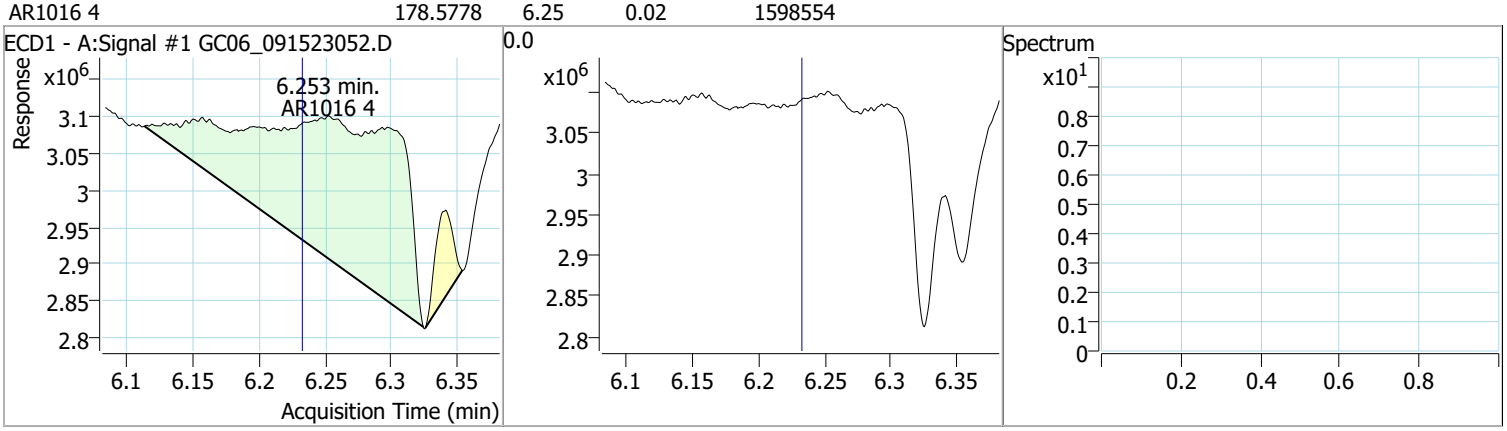
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	68.0472	6.05	-0.05	1010608				



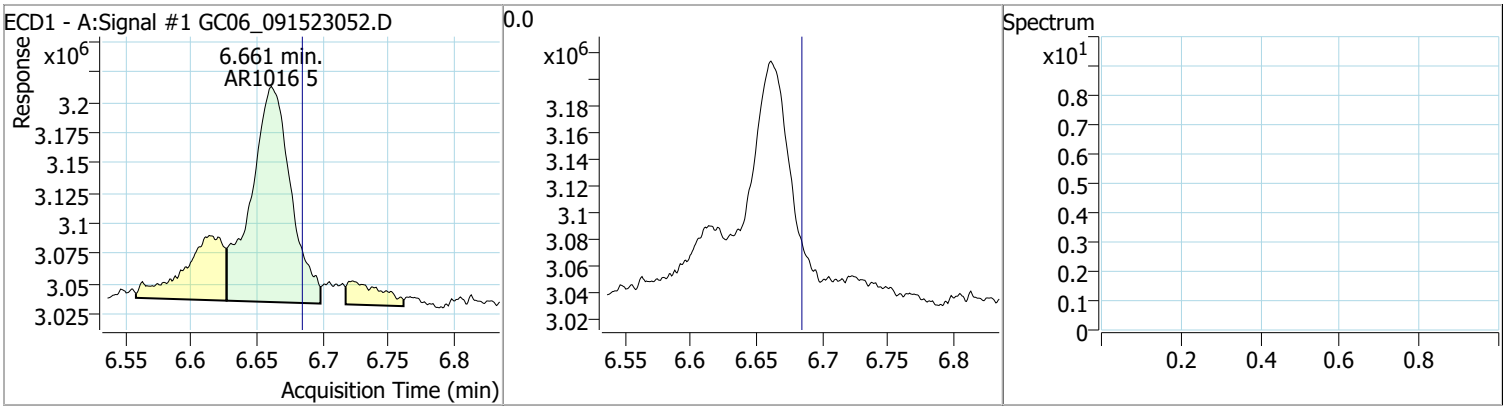
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	38.2578	6.23	0.07	1131361				



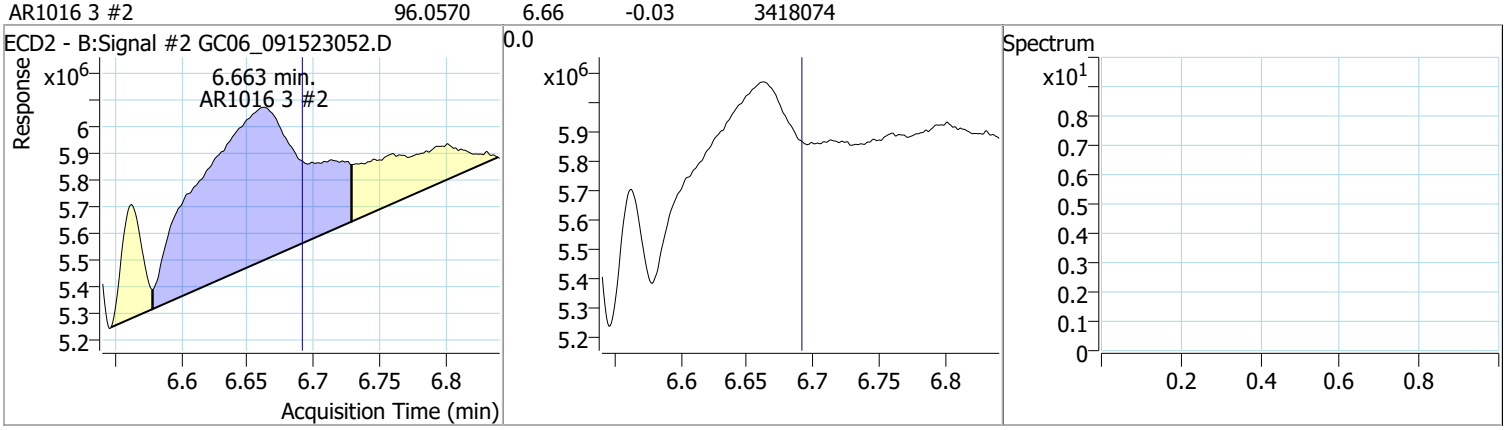
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	178.5778	6.25	0.02	1598554				



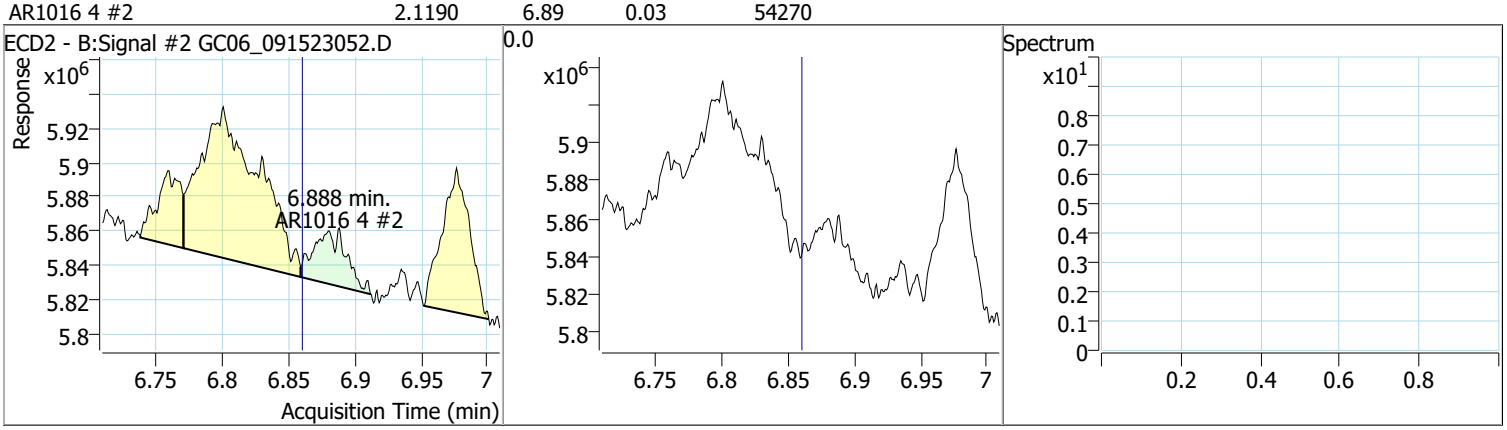
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	55.1041	6.66	-0.03	377254				



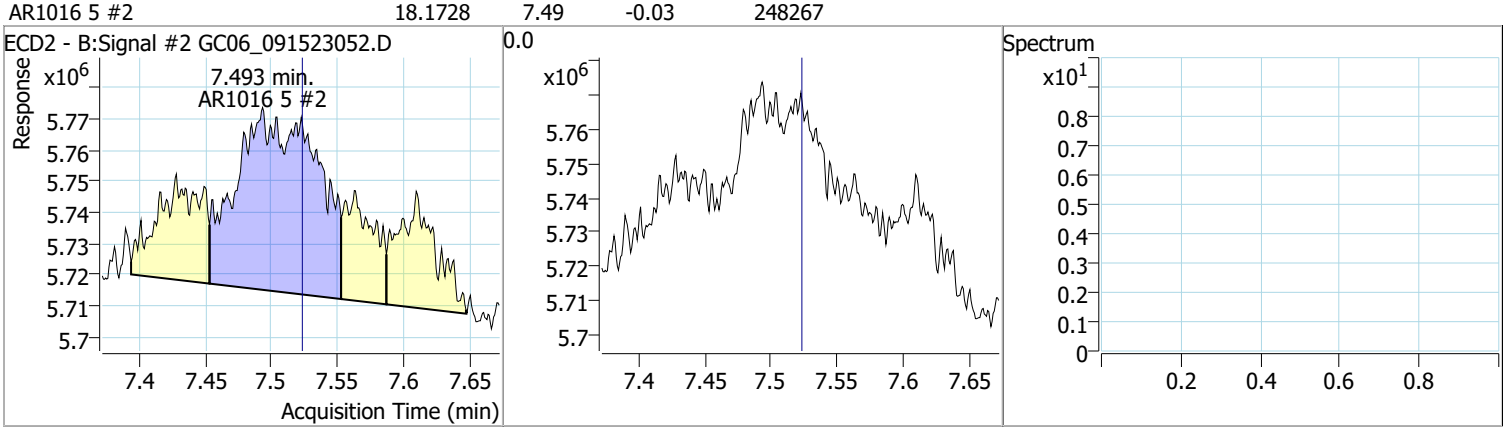
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	96.0570	6.66	-0.03	3418074				



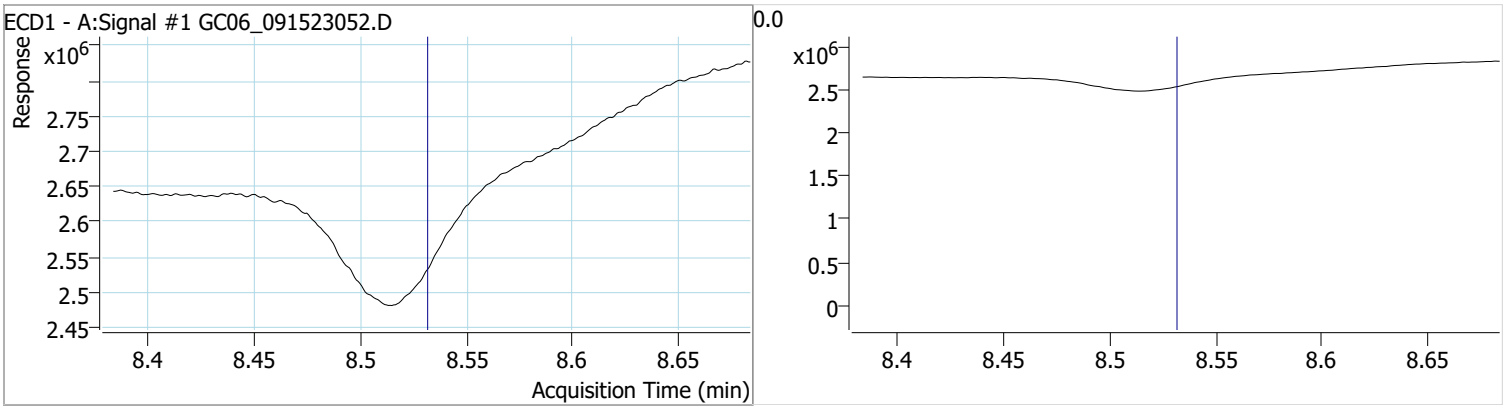
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.1190	6.89	0.03	54270				



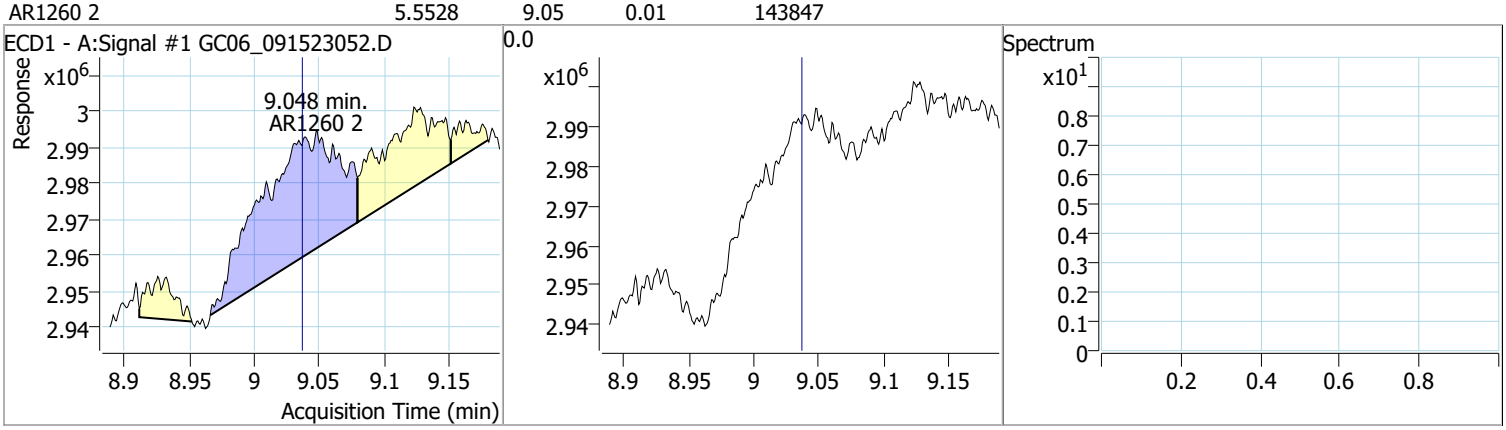
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	18.1728	7.49	-0.03	248267				



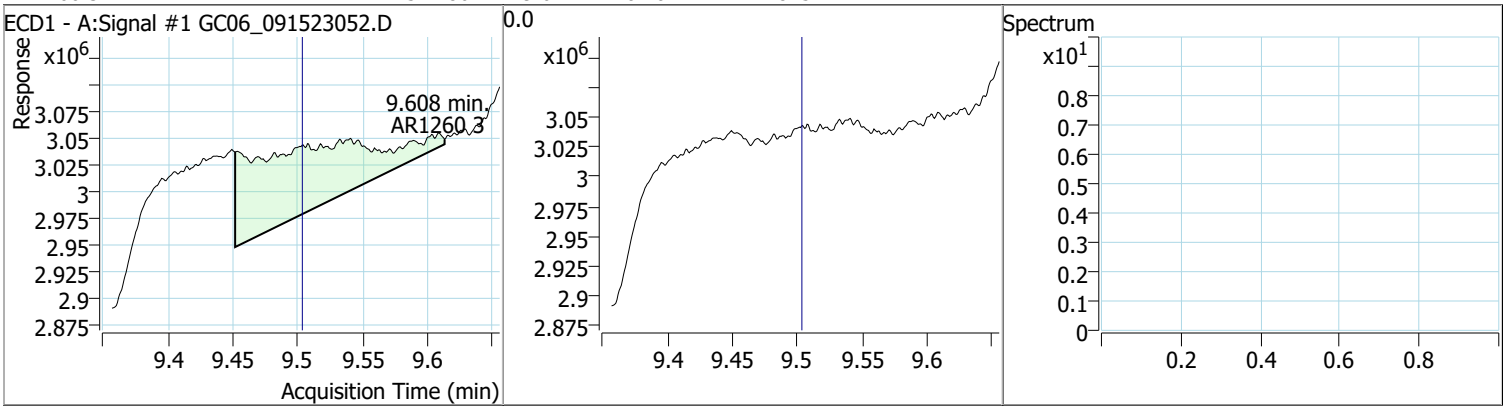
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 1	N.D.	8.54		



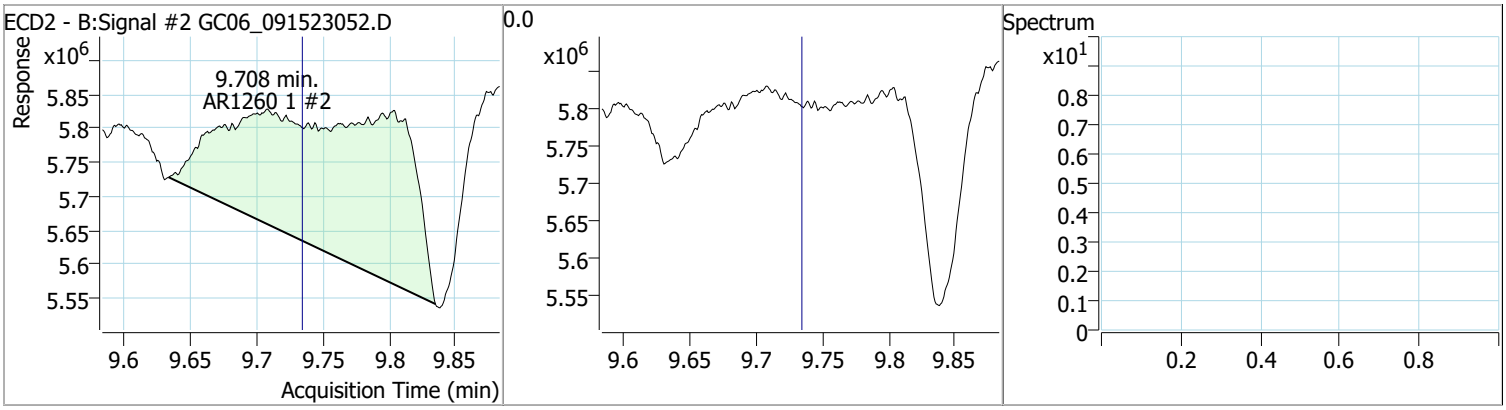
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	5.5528	9.05	0.01	143847				



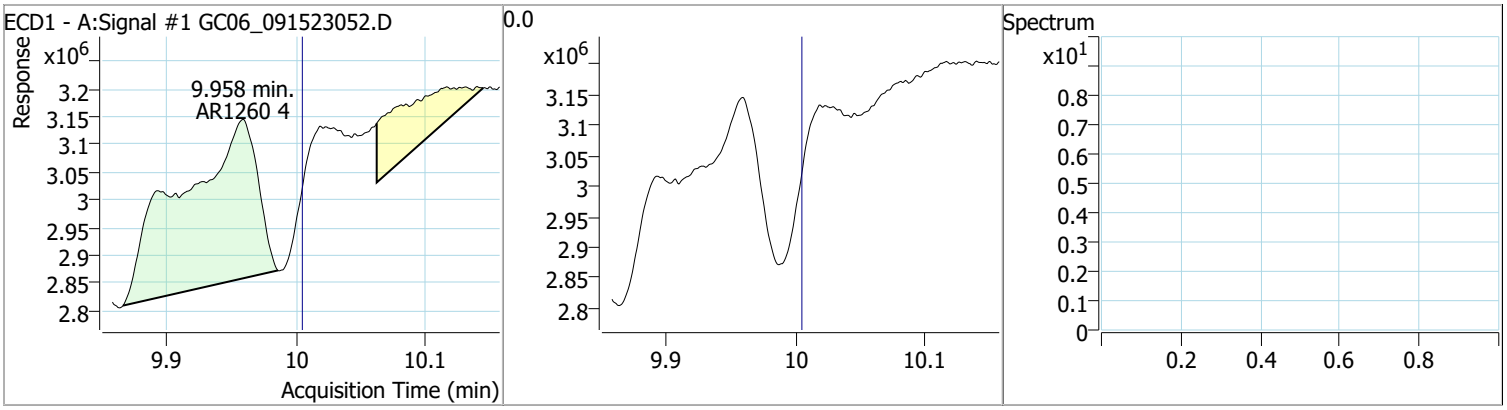
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	15.4786	9.61	0.10	428452				



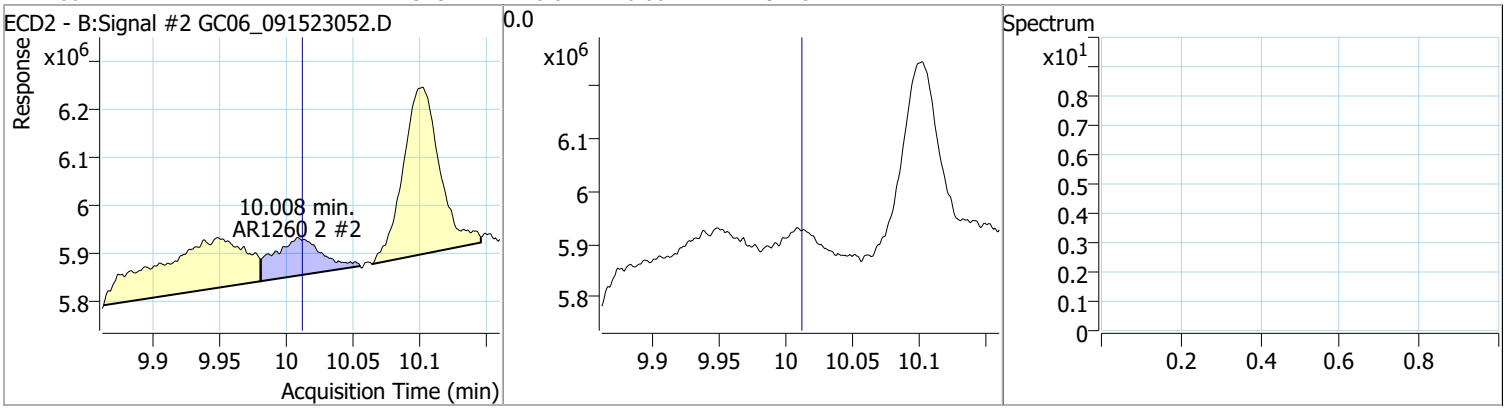
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	52.1236	9.71	-0.02	1857892				



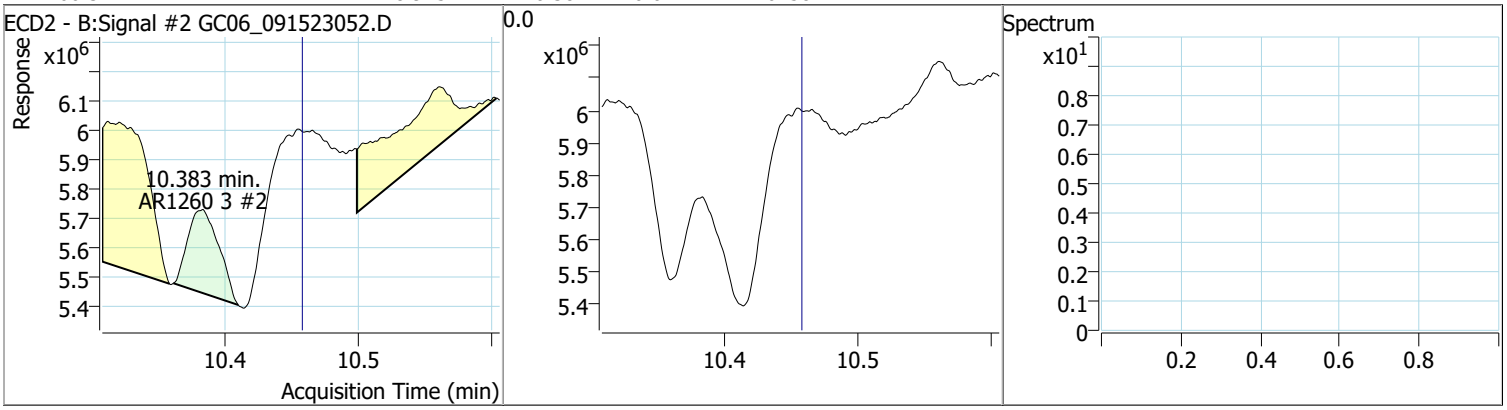
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	80.0849	9.96	-0.05	1207736				



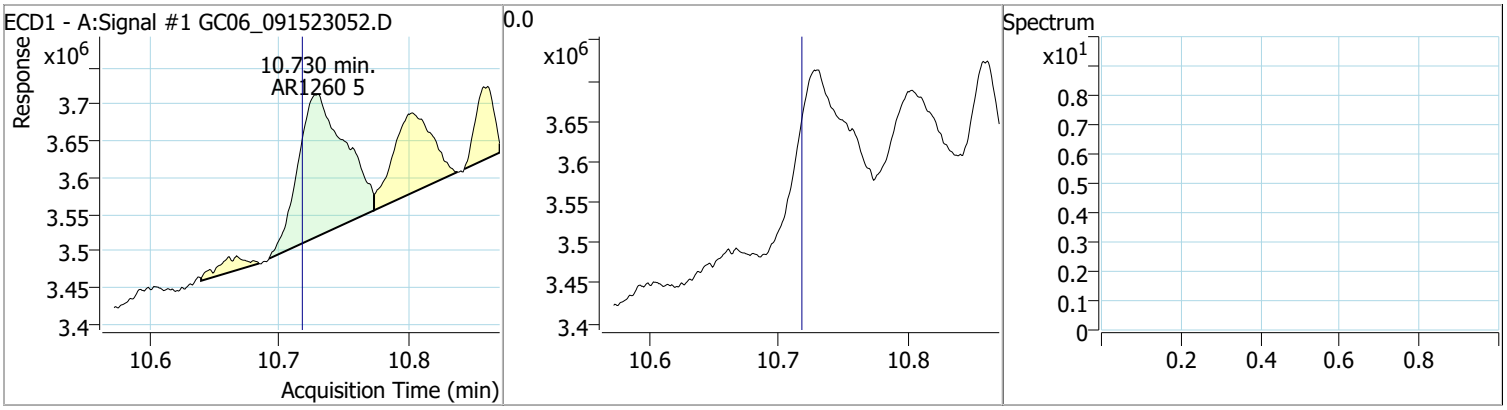
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.9132	10.01	0.00	197452				



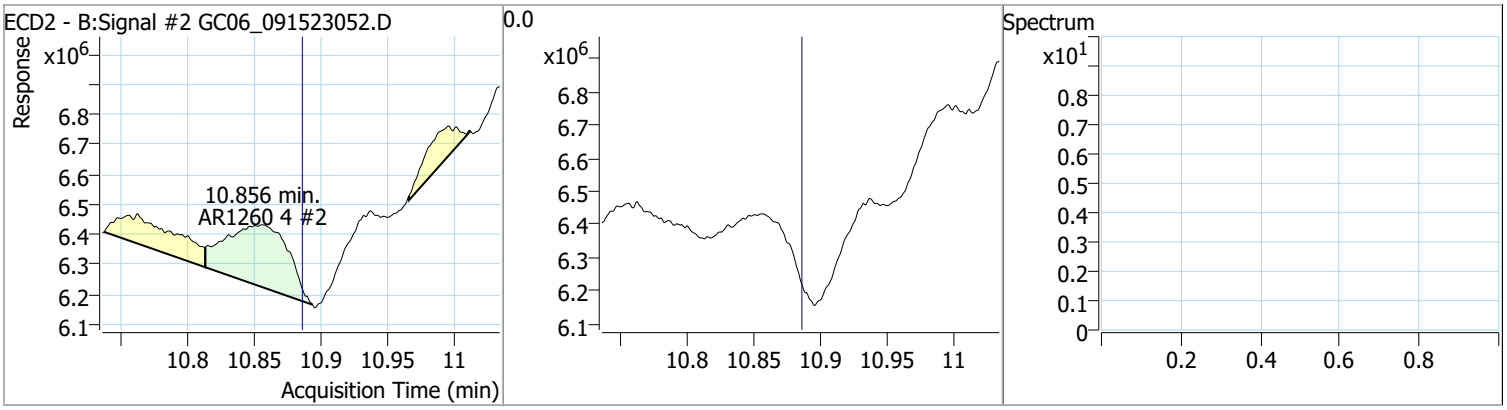
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.9752	10.38	-0.07	461581				



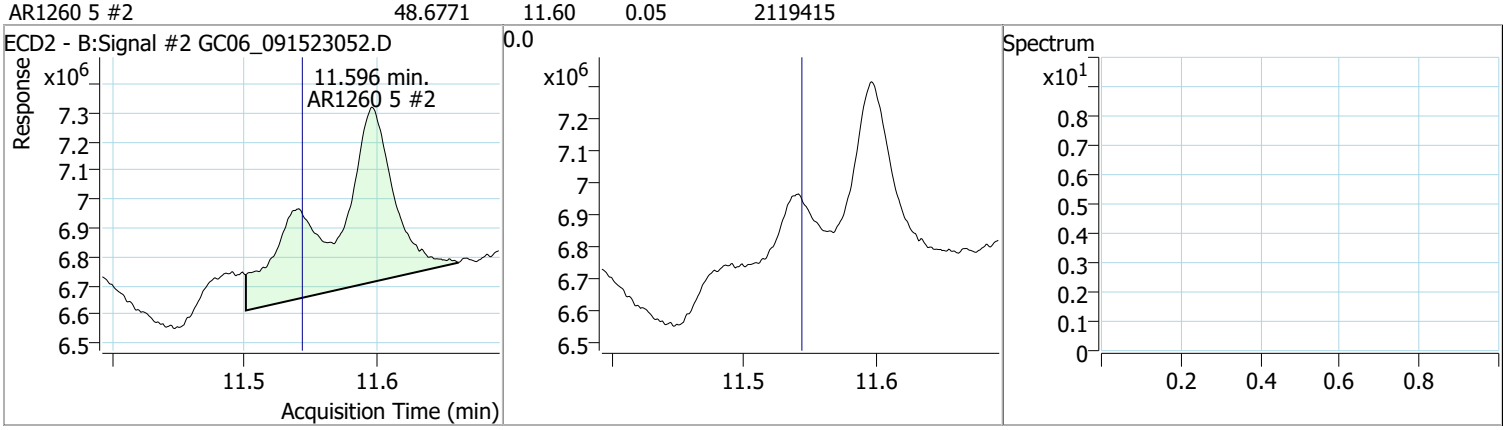
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.4535	10.73	0.01	487721				



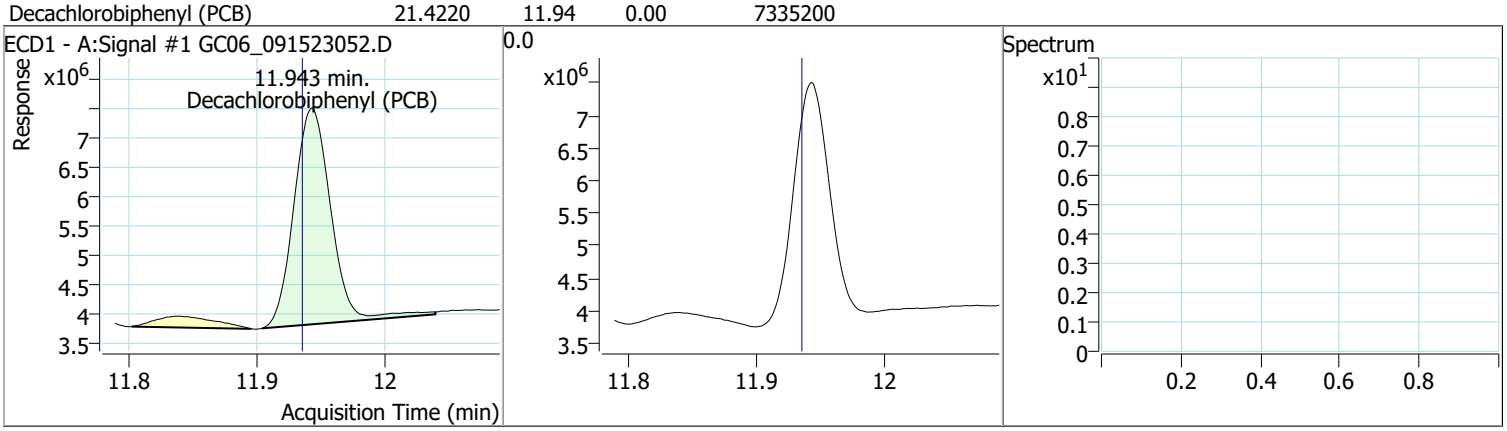
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	22.0661	10.86	-0.03	662848				



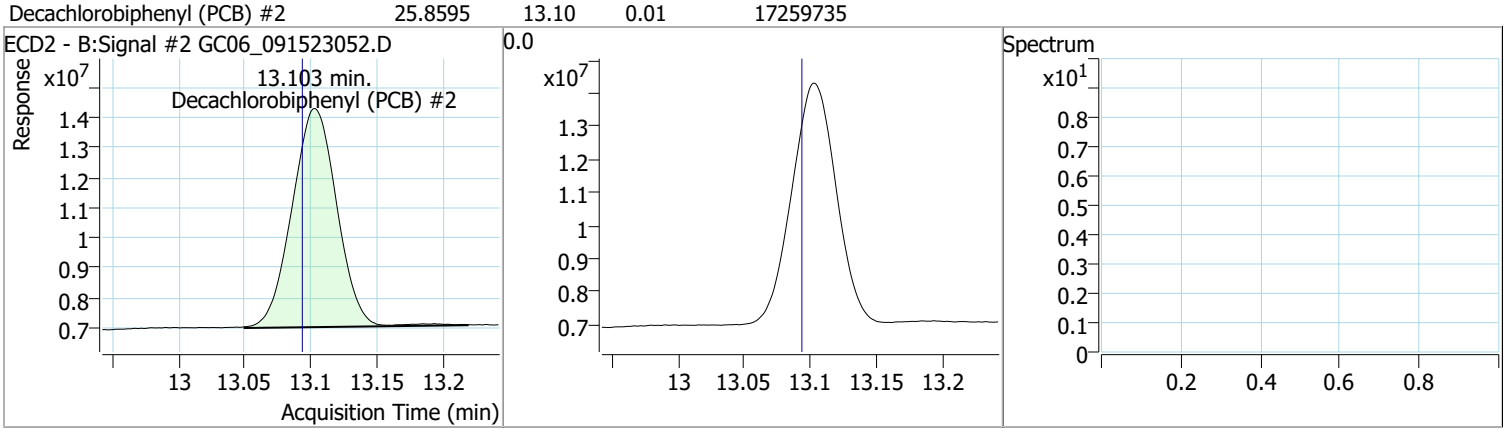
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	48.6771	11.60	0.05	2119415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	21.4220	11.94	0.00	7335200				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	25.8595	13.10	0.01	17259735				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-020	Client ID:	ARCH-C11W-LAT-L3-EXT-0 TO 1-230911-P-WF
Seqnum:	453372148053	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523053	Batch:	322492	Time:	16-SEP-2023 02:27
Cal:	453205686001	Caldate:	22-MAY-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	47.07	ND	0.93	66%	0.50		u
Aroclor-1016 Peak # 1	B	71.46	0.71	0.71	1%			
Aroclor-1016 Peak # 2	B	41.27	0.41	0.33	21%			
Aroclor-1016 Peak # 3	B	94.70	0.95	1.21	25%			
Aroclor-1016 Peak # 4	B	2.525	0.03	1.78	194%			
Aroclor-1016 Peak # 5	B	25.38	0.25	0.64	86%			
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	25.72	ND	0.46	56%	0.50		u
Aroclor-1260 Peak # 1	B	52.78	0.53	1.20	78%			
Aroclor-1260 Peak # 2	B	16.01	0.16	0.06	92%			
Aroclor-1260 Peak # 3	B	9.138	0.09	ND				
Aroclor-1260 Peak # 4	B	23.33	0.23	0.77	107%			
Aroclor-1260 Peak # 5	B	27.32	0.27	0.25	9%			
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	29.54	0.5000	0.2954	59	19-121	c- u
Decachlorobiphenyl (PCB)	B	25.38	0.5000	0.2538	51	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_091523043)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12178827	12838500	5.42
1-bromo-2-nitrobenzene (PCB)	A	5027098	5185705	3.16

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_091523043)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

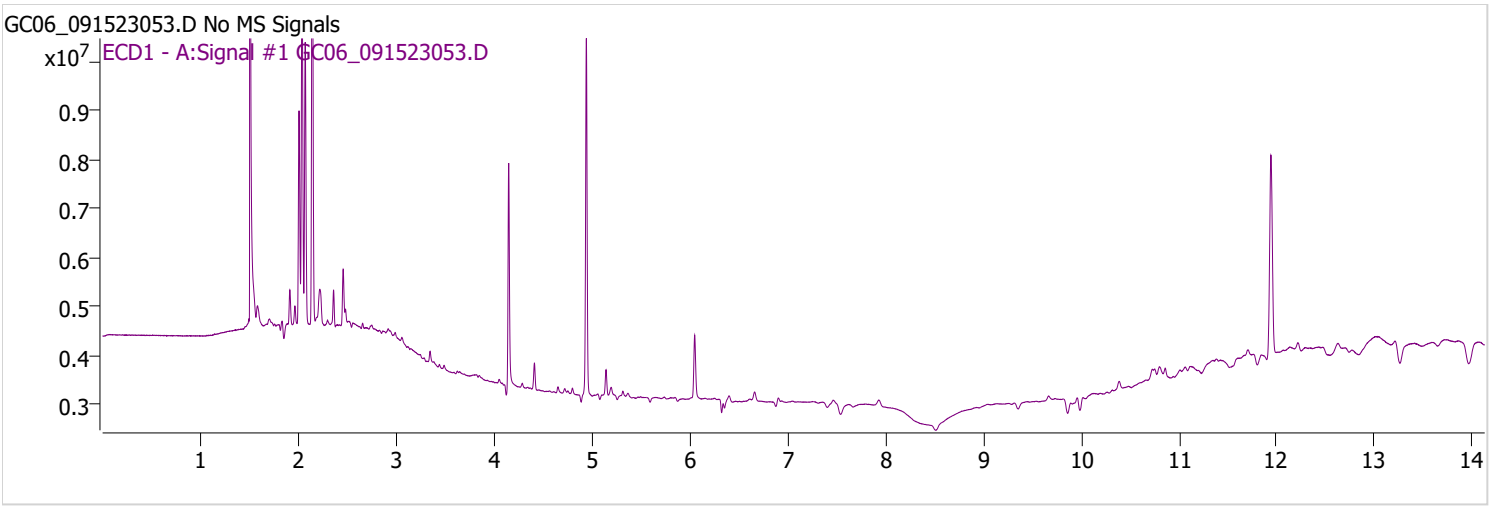
09/18/23 : WIPE/1S-10ML

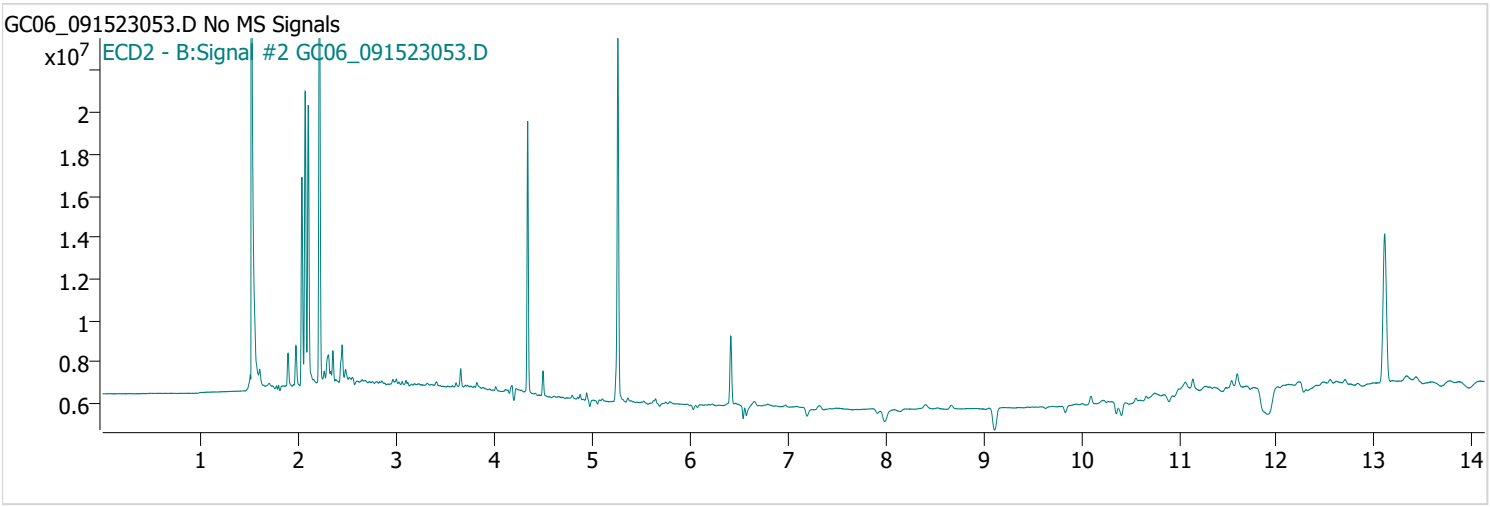
-=low bias c=CCV u=use

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523053.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/16/2023 2:27:48 AM
Sample Name	492059-020, 322492, 1	Instrument	SVOA-GC06
Vial	44	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



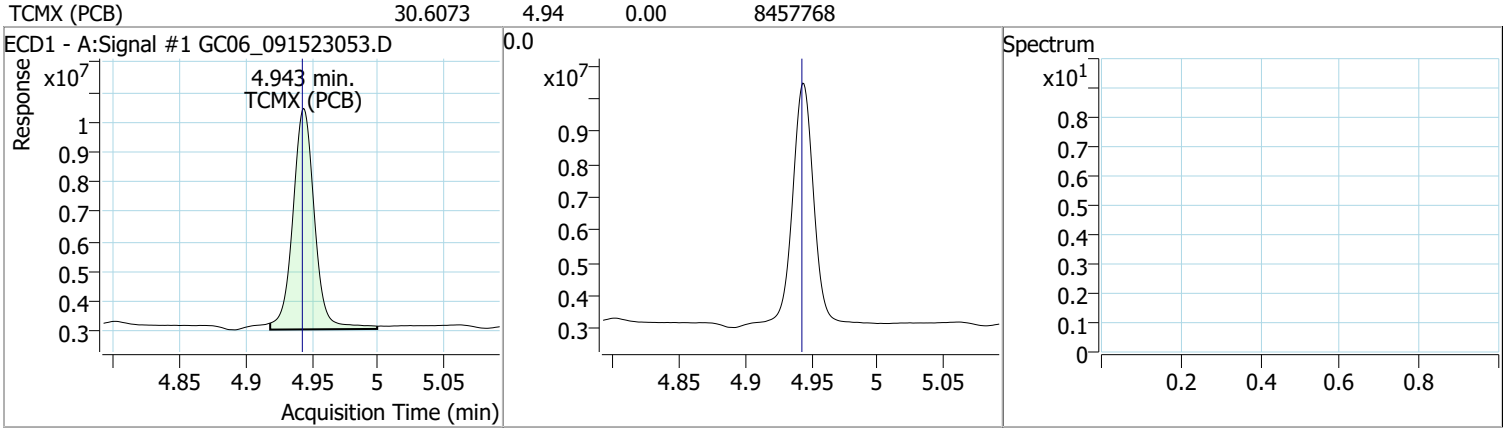


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.150	0.0	5185704.723	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	12838500.238	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8457767.722	30.6073	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.04%		*	
S TCMX (PCB) #2	5.266	0.0	20115883.616	29.5378	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.69%			
S Decachlorobiphenyl (PCB)	11.939	0.0	8137416.212	23.5160	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 117.58%			
S Decachlorobiphenyl (PCB) #2	13.103	0.0	17208520.640	25.3818	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 126.91%			
Target Compounds							QValue

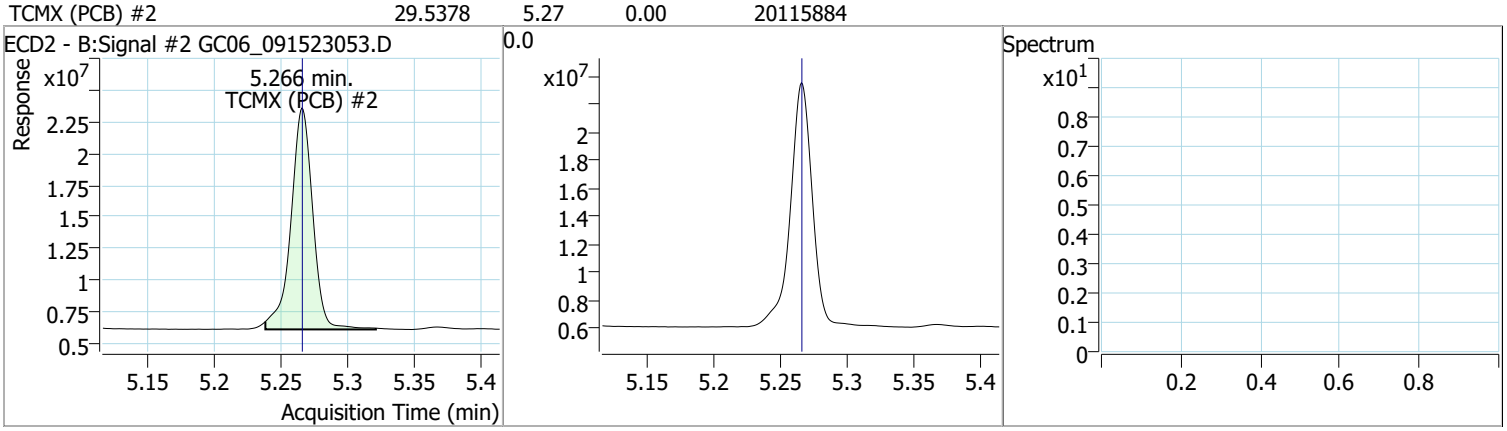
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.317	0.0	410373.320	70.9506	ng/ml	100
T AR1016 2	5.653	0.0	390819.326	33.2825	ng/ml	100
T AR1016 1 #2	5.795	0.0	955598.910	71.4601	ng/ml	100
T AR1016 3	6.051	0.0	1818960.838	121.1939	ng/ml	100
T AR1016 2 #2	6.232	0.0	1239681.175	41.2688	ng/ml	100
T AR1016 4	6.157	0.0	1613628.400	178.3748	ng/ml	100
T AR1016 5	6.663	0.0	440382.282	63.6517	ng/ml	100
T AR1016 3 #2	6.659	0.0	3423150.683	94.7036	ng/ml	100
T AR1016 4 #2	6.874	0.0	65691.686	2.5251	ng/ml	100
T AR1016 5 #2	7.490	0.0	352164.935	25.3772	ng/ml	100
T AR1260 1	8.659	0.0	2065038.417	120.4200	ng/ml	100
T AR1260 2	9.053	0.0	155440.566	5.9376	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.706	0.0	1911046.474	52.7811	ng/ml	100
T AR1260 4	9.958	0.0	1167501.054	76.6065	ng/ml	100
T AR1260 2 #2	10.014	0.0	653436.400	16.0066	ng/ml	100
T AR1260 3 #2	10.382	0.0	477357.183	9.1376	ng/ml	100
T AR1260 5	10.752	0.0	600727.558	24.9290	ng/ml	100
T AR1260 4 #2	10.848	0.0	711922.481	23.3313	ng/ml	100
T AR1260 5 #2	11.538	0.0	1208349.273	27.3209	ng/ml	100

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

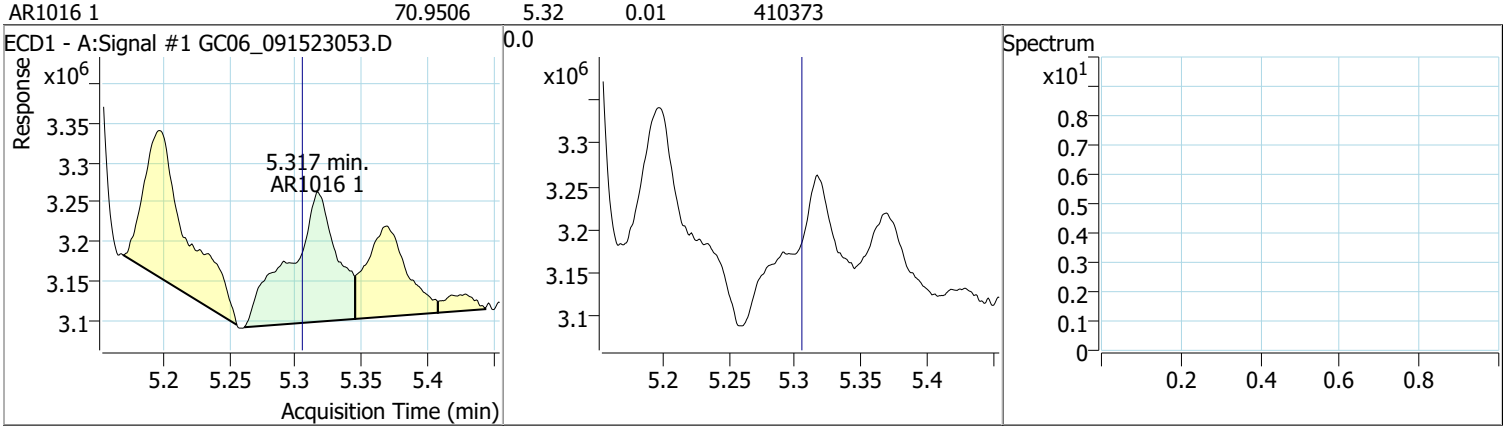
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.6073	4.94	0.00	8457768				



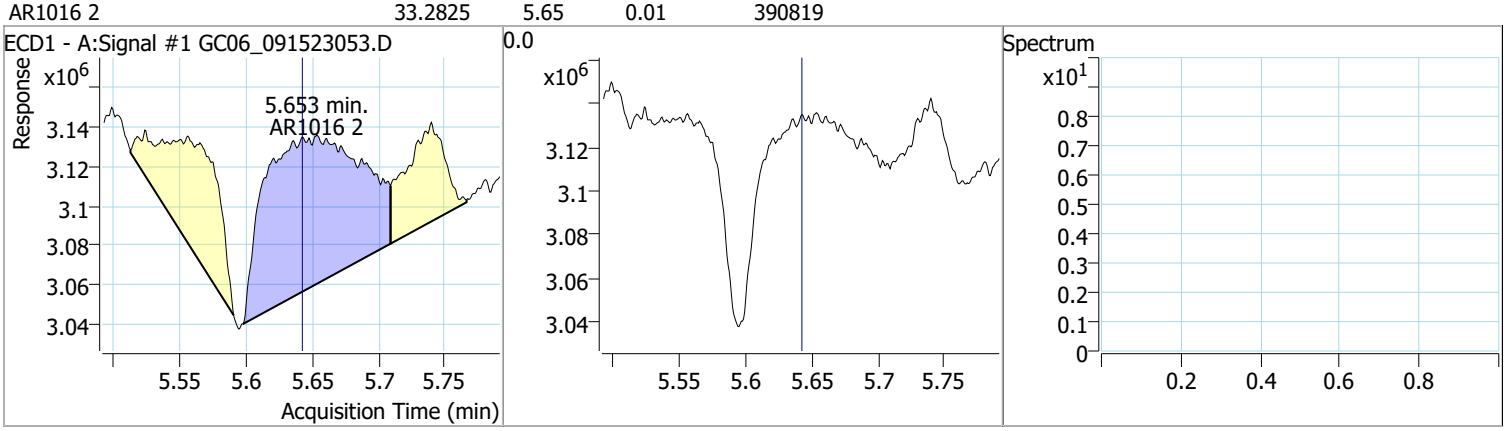
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.5378	5.27	0.00	20115884				



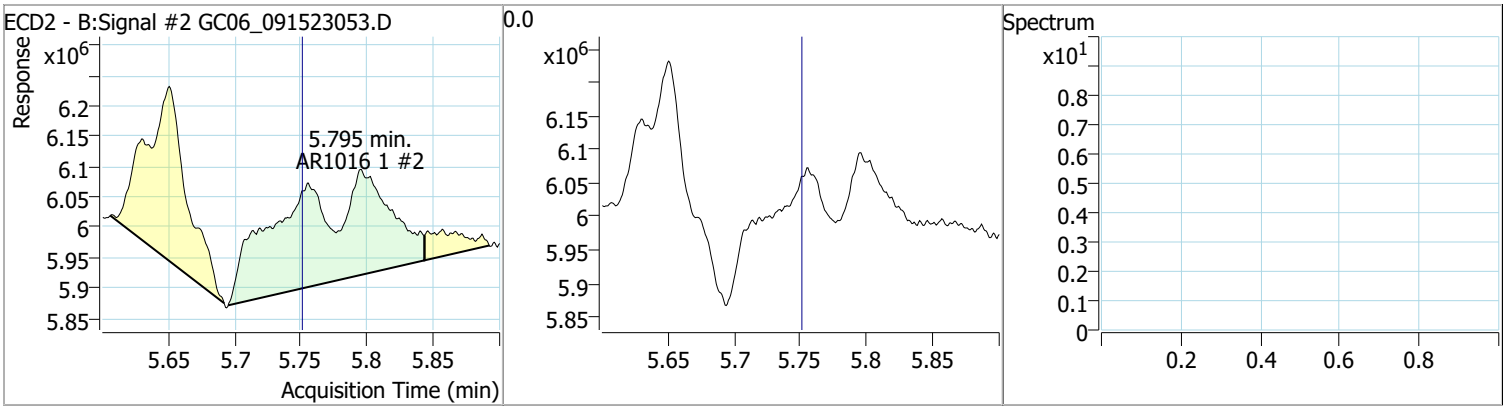
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	70.9506	5.32	0.01	410373				



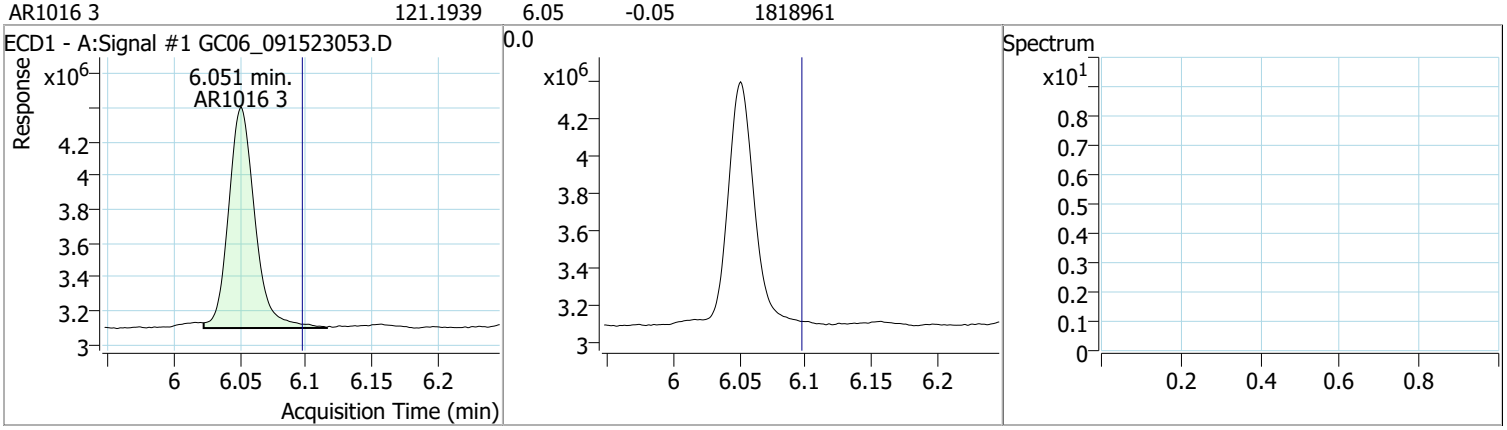
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	33.2825	5.65	0.01	390819				



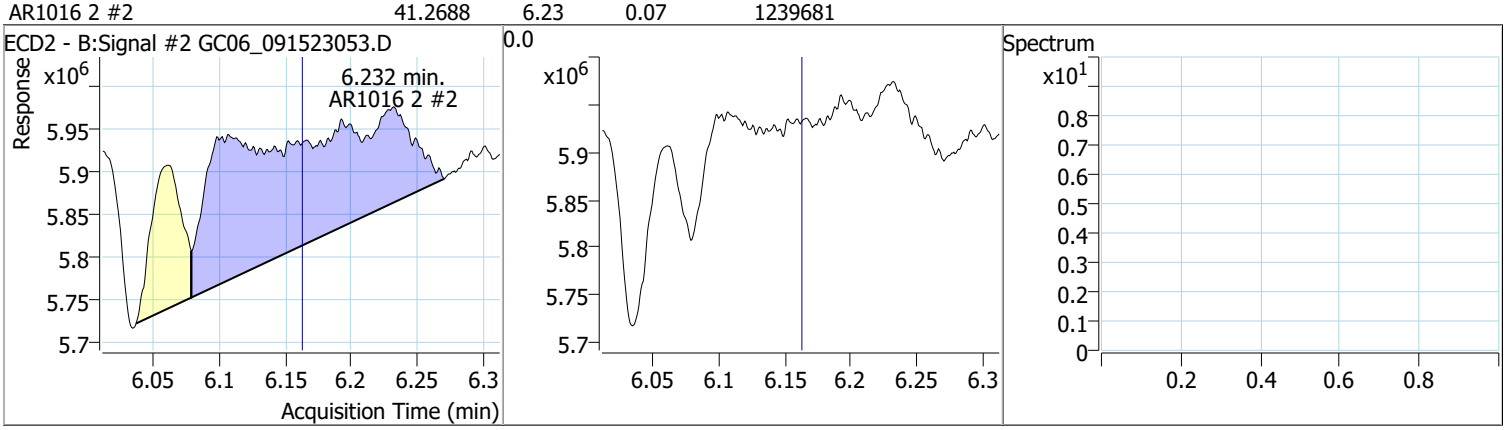
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	71.4601	5.80	0.04	955599				



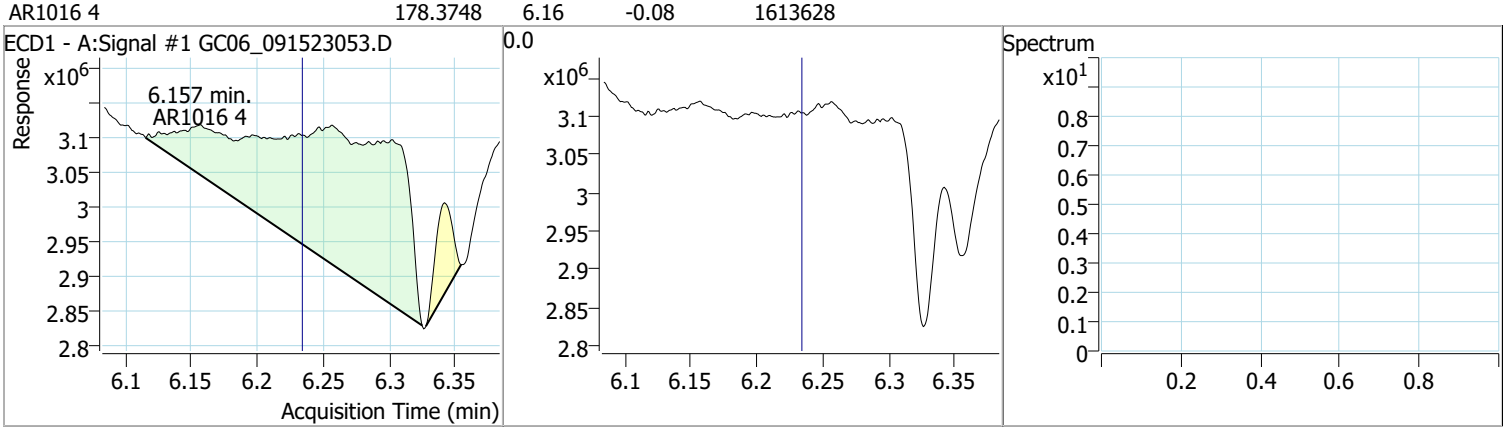
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	121.1939	6.05	-0.05	1818961				



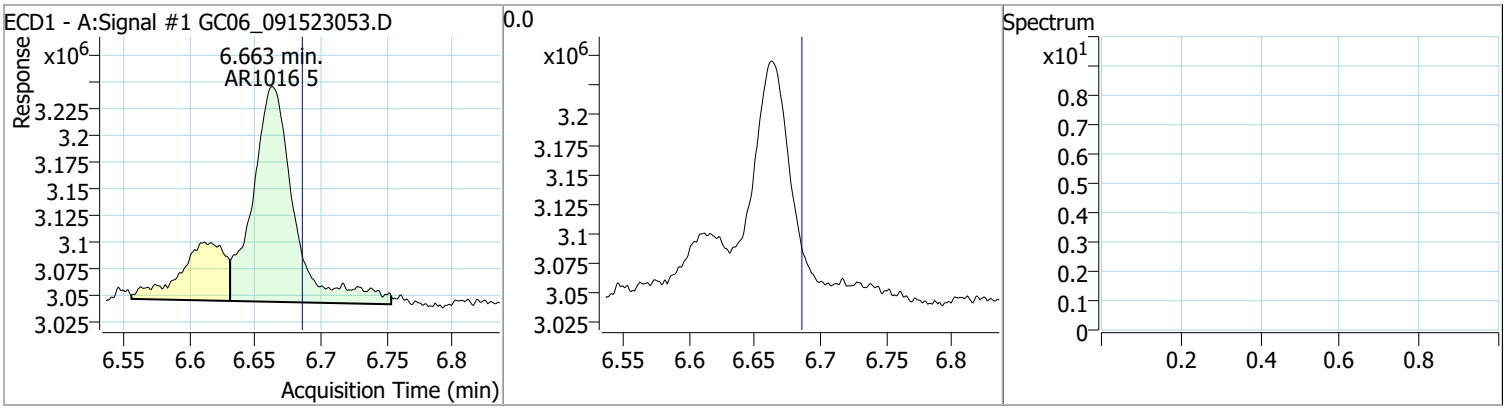
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	41.2688	6.23	0.07	1239681				



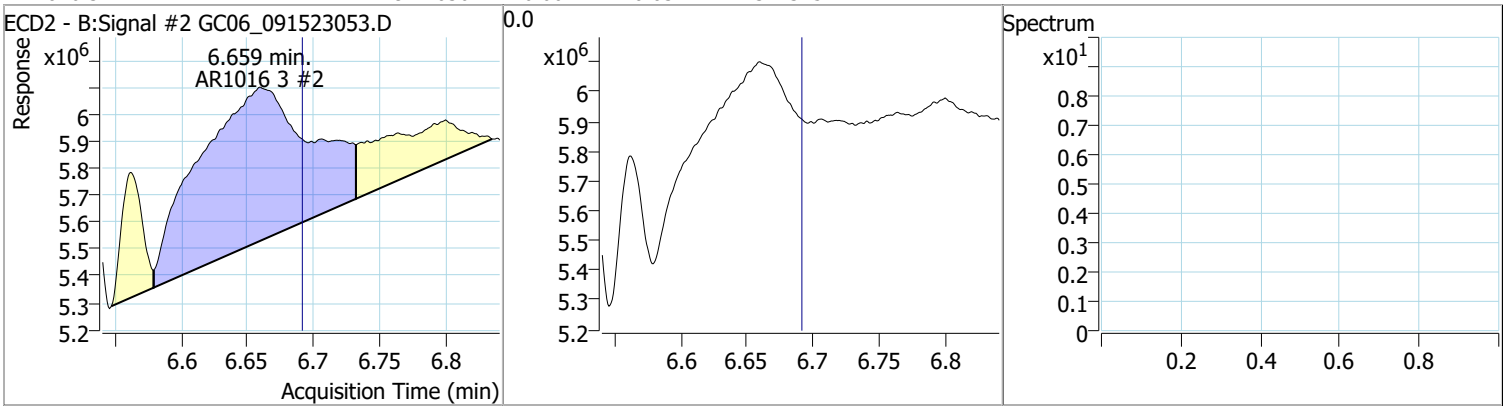
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	178.3748	6.16	-0.08	1613628				



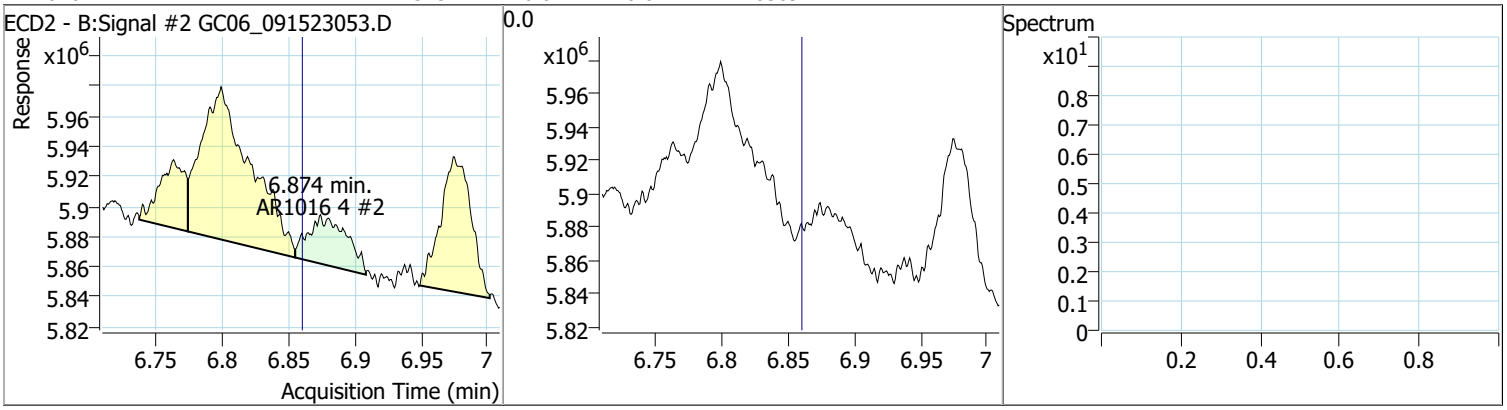
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	63.6517	6.66	-0.03	440382				



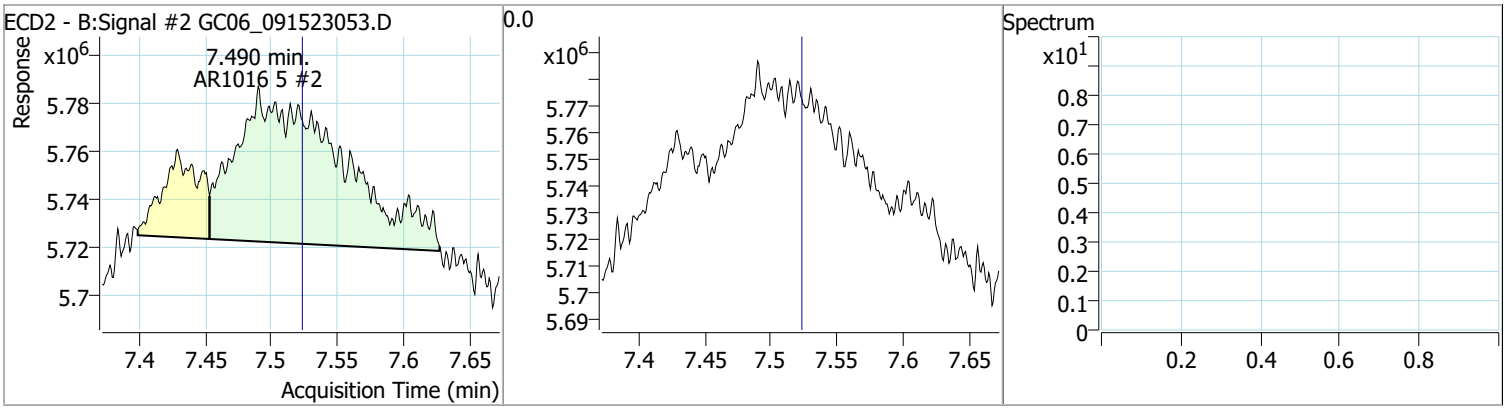
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	94.7036	6.66	-0.03	3423151				



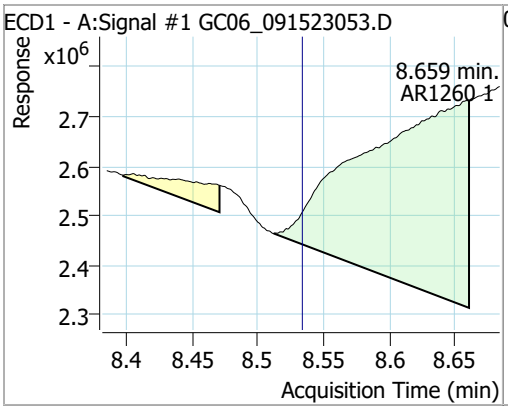
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.5251	6.87	0.02	65692				

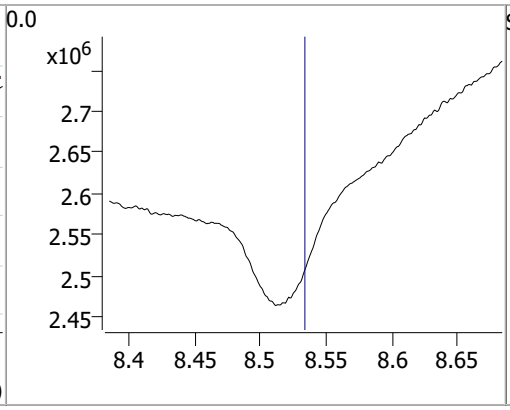


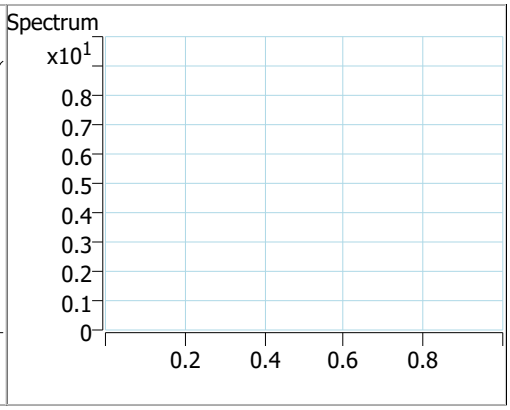
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	25.3772	7.49	-0.03	352165				



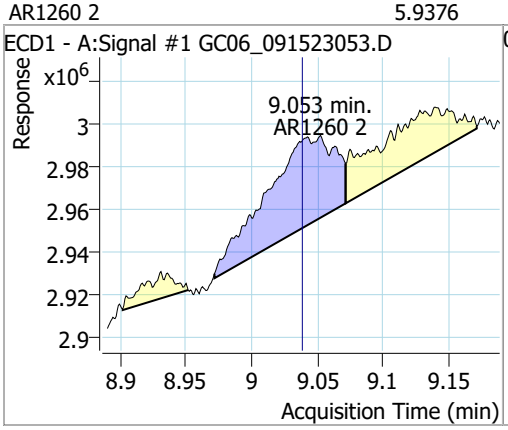
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	120.4200	8.66	0.12	2065038				

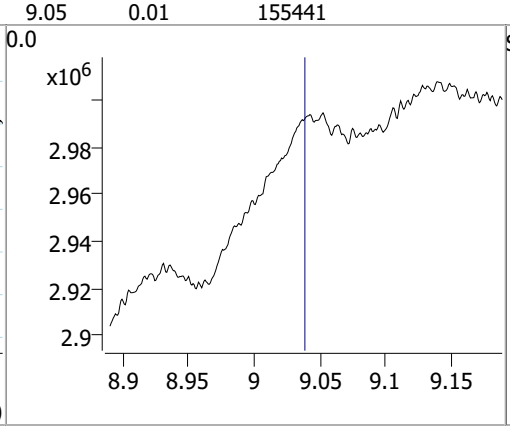


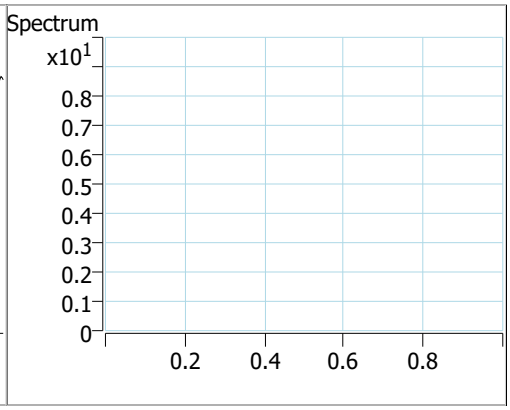




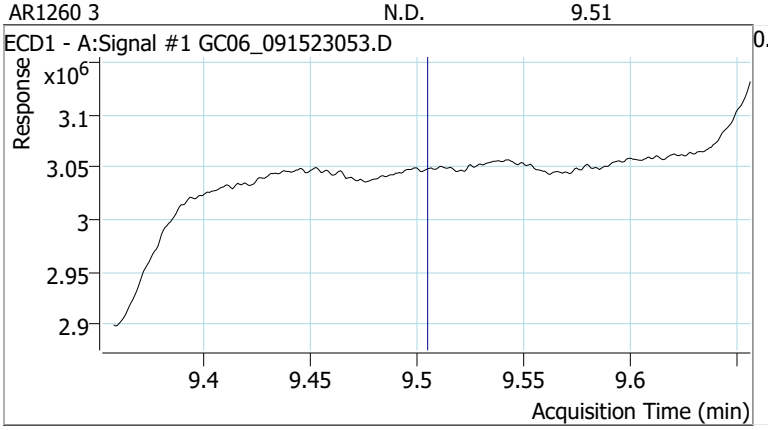
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	5.9376	9.05	0.01	155441				

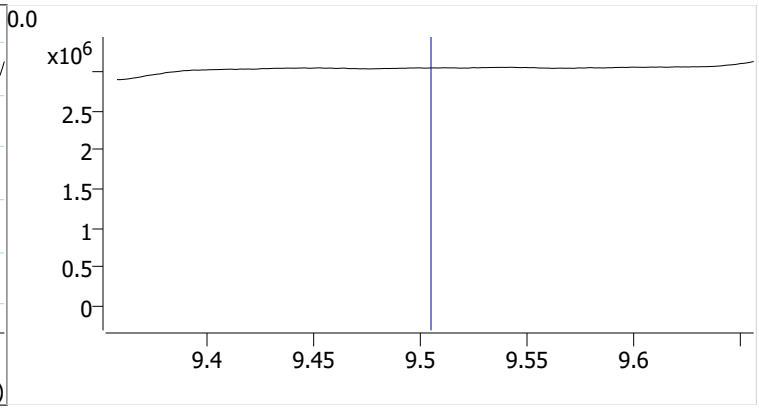




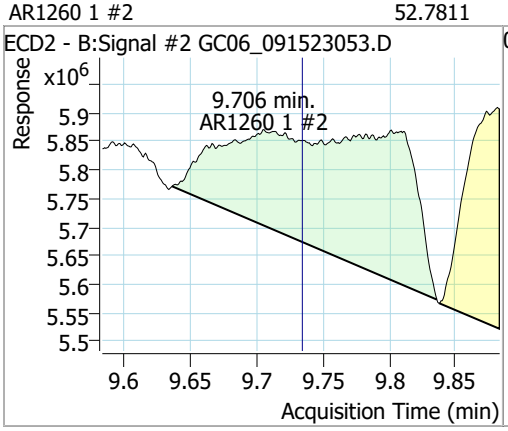


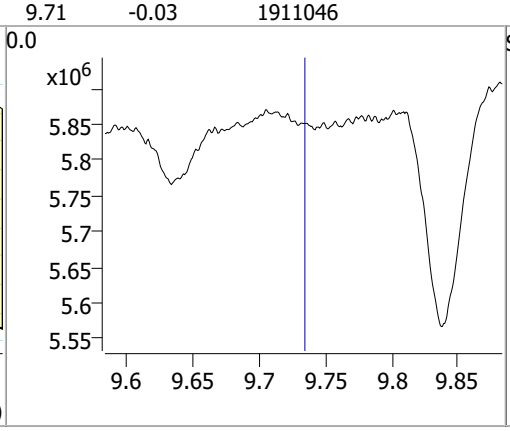
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.51		

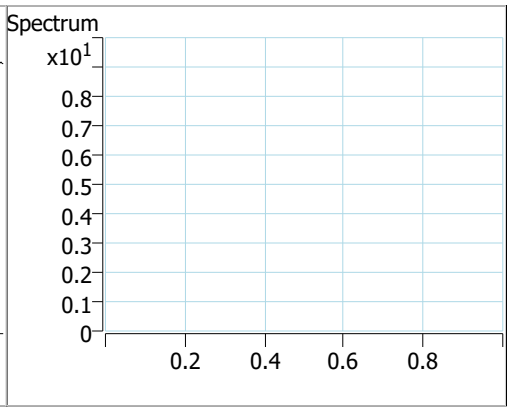




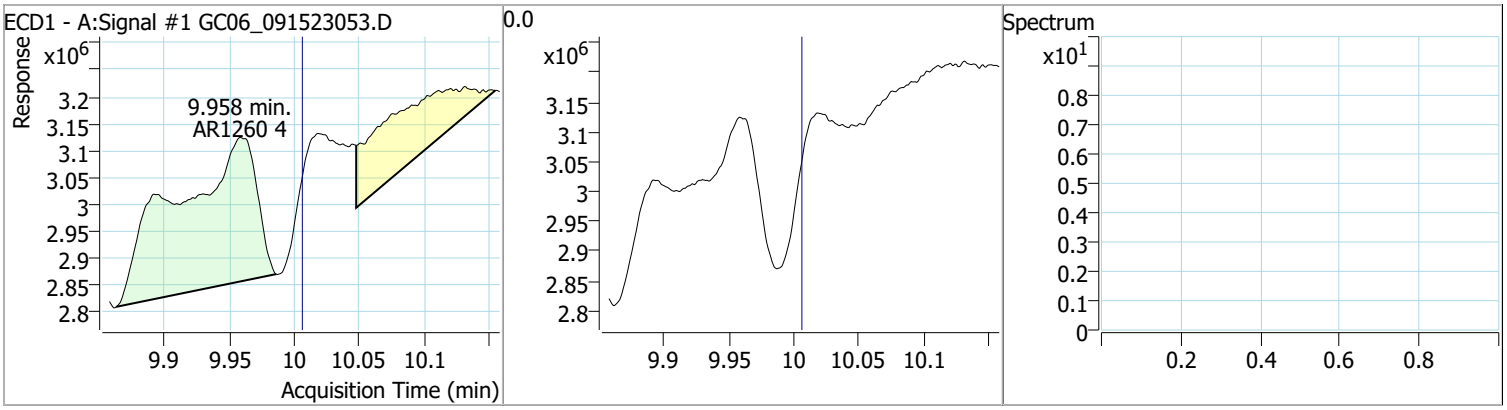
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	52.7811	9.71	-0.03	1911046				



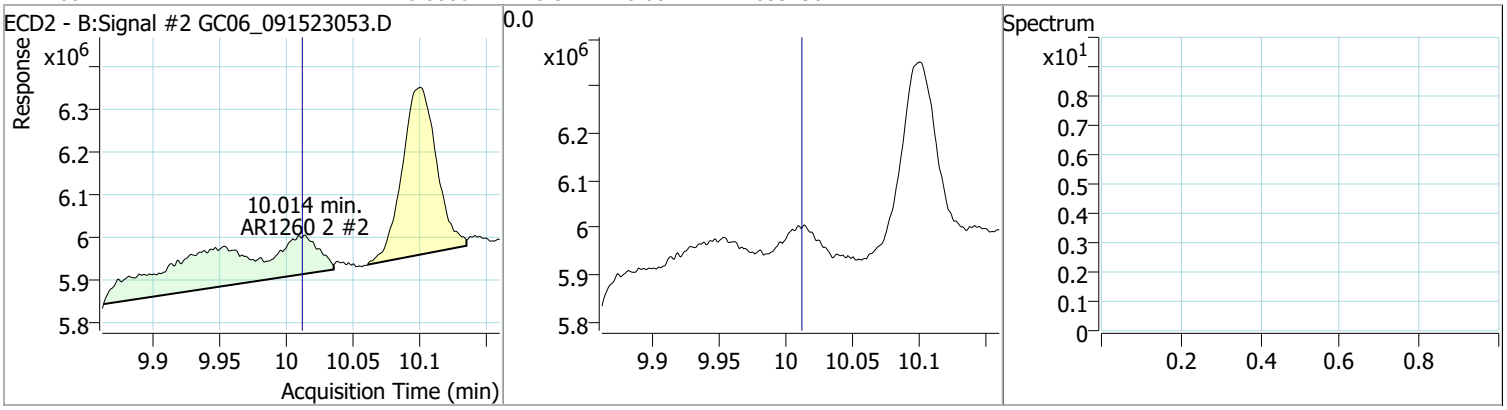




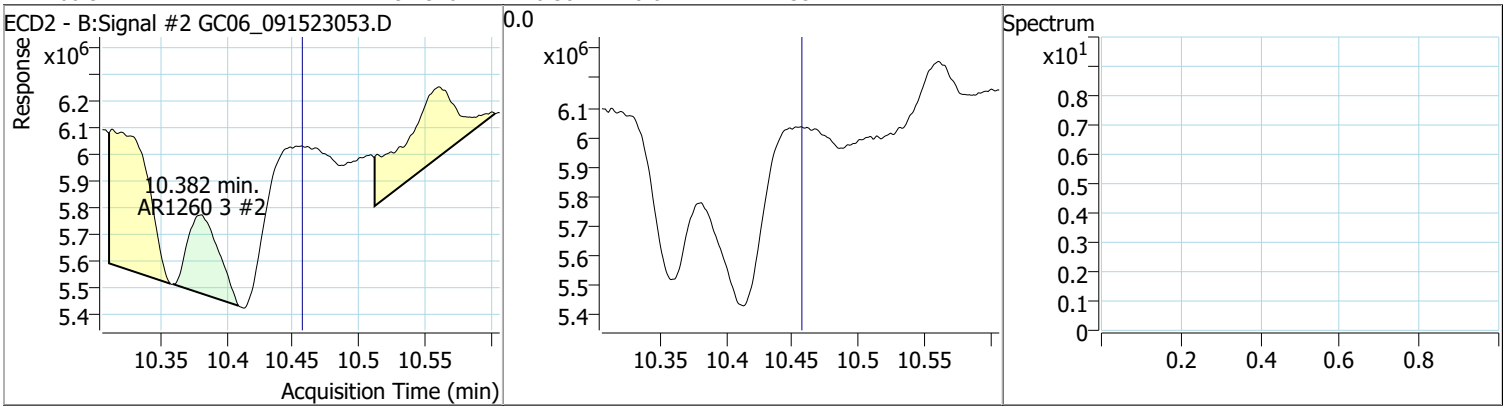
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	76.6065	9.96	-0.05	1167501				



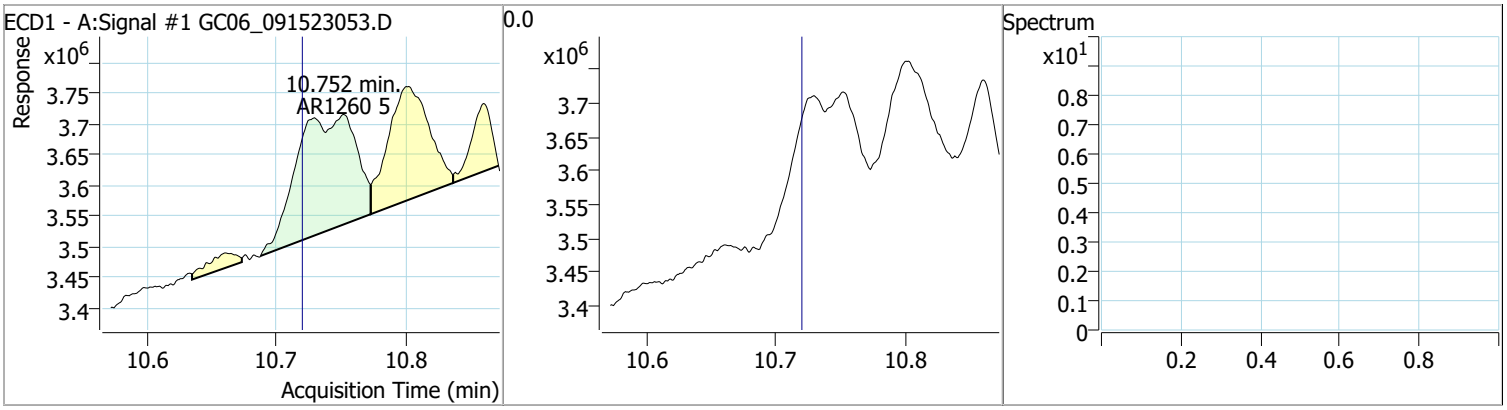
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	16.0066	10.01	0.00	653436				



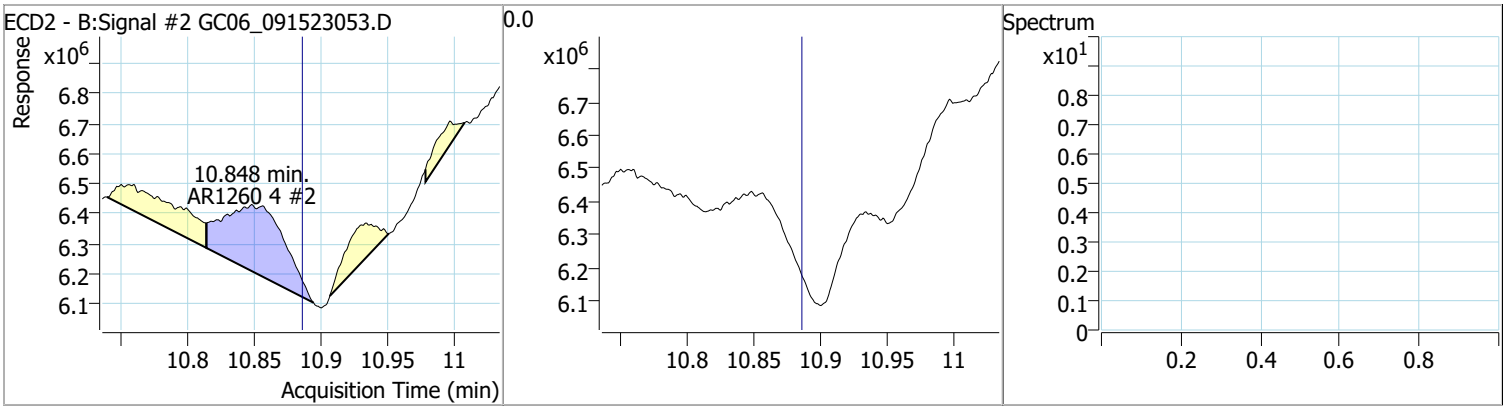
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.1376	10.38	-0.07	477357				



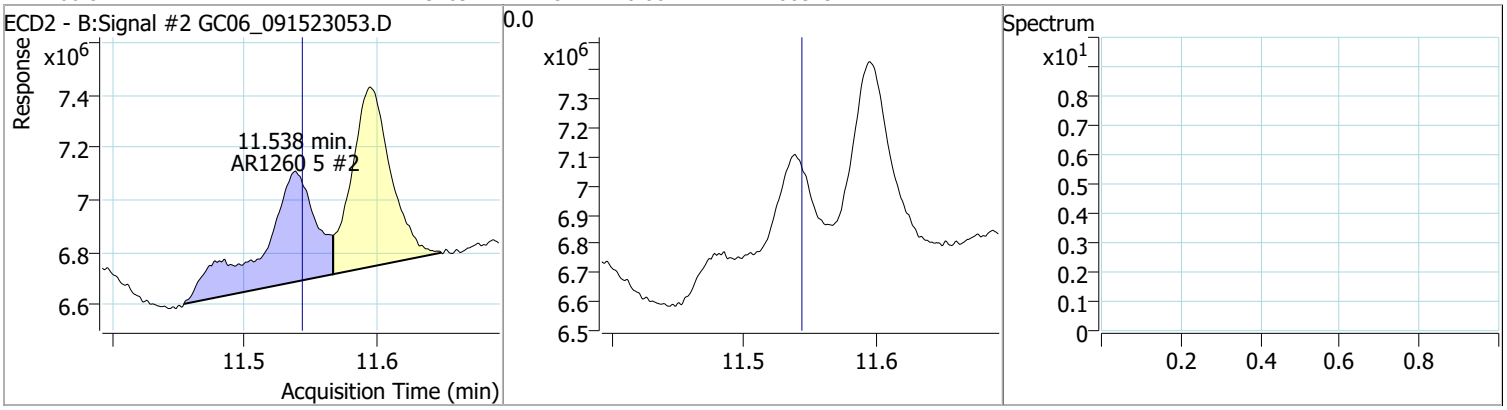
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	24.9290	10.75	0.03	600728				



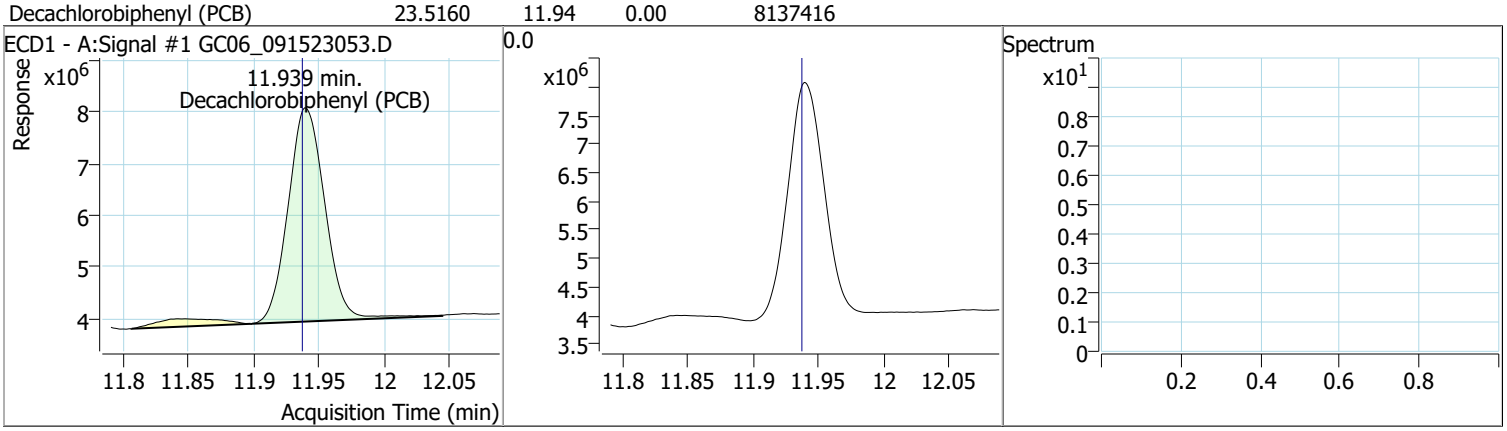
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	23.3313	10.85	-0.04	711922				



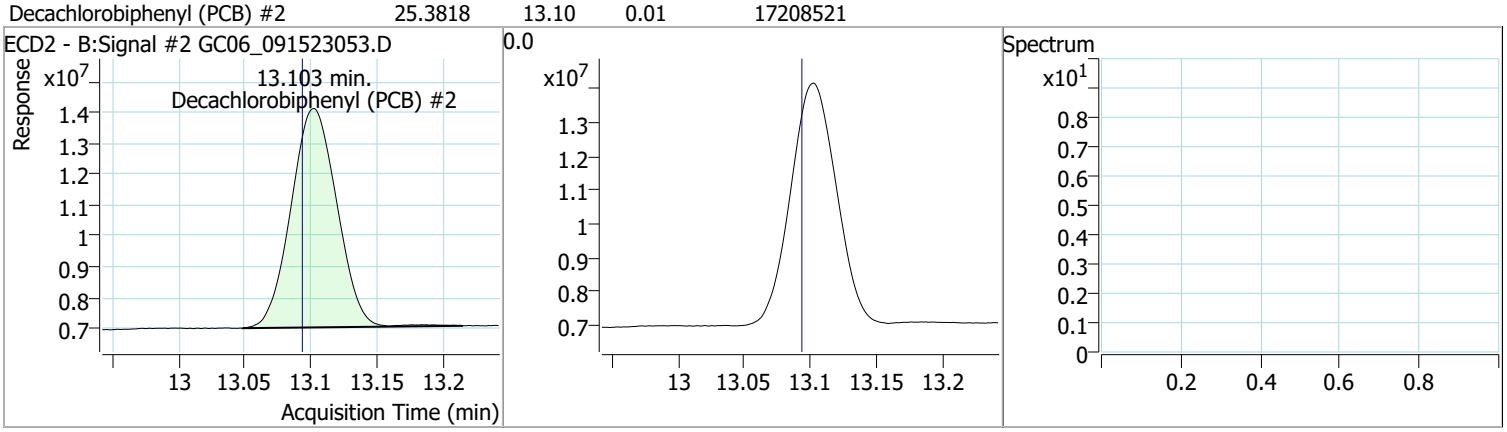
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	27.3209	11.54	0.00	1208349				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.5160	11.94	0.00	8137416				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	25.3818	13.10	0.01	17208521				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	492059-023	Client ID:	ARCH-C8W-MED-L3-DN-C8.7-DG-230911-P-LA
Seqnum:	453372148054	Matrix:	Wipe	Acct:	RINCON-BERK (MAG)
File:	gc06_091523054	Batch:	322492	Time:	16-SEP-2023 02:46
Cal:	453205686001	Caldate:	22-MAY-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	48.94	ND	0.51	4%	0.50		u
Aroclor-1016 Peak # 1	B	45.88	0.46	0.69	40%			
Aroclor-1016 Peak # 2	B	37.44	0.37	0.48	25%			
Aroclor-1016 Peak # 3	B	102.4	1.02	0.97	5%			
Aroclor-1016 Peak # 4	B	10.60	0.11	0.05	73%			
Aroclor-1016 Peak # 5	B	48.33	0.48	0.36	30%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	13.55	ND	ND	59%	0.50		u
Aroclor-1260 Peak # 1	B	13.08	0.13	0.04	114%			
Aroclor-1260 Peak # 2	B	3.168	0.03	0.04	11%			
Aroclor-1260 Peak # 3	B	19.89	0.20	0.02	163%			
Aroclor-1260 Peak # 4	B	7.694	0.08	0.09	20%			
Aroclor-1260 Peak # 5	B	23.94	0.24	0.18	27%			
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	29.09	0.5000	0.2909	58	19-121	c- u
Decachlorobiphenyl (PCB)	B	25.10	0.5000	0.2510	50	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_091523043)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12178827	12668227	4.02
1-bromo-2-nitrobenzene (PCB)	A	5027098	5003087	-0.48

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_091523043)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

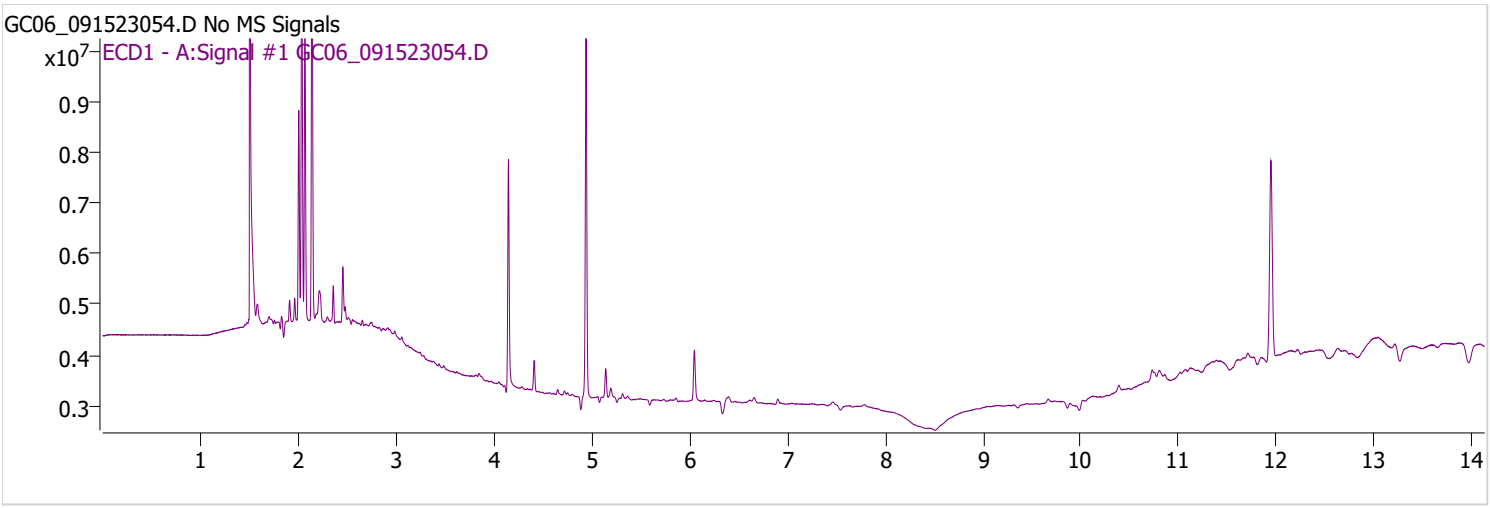
09/18/23 : WIPE/1S-10ML

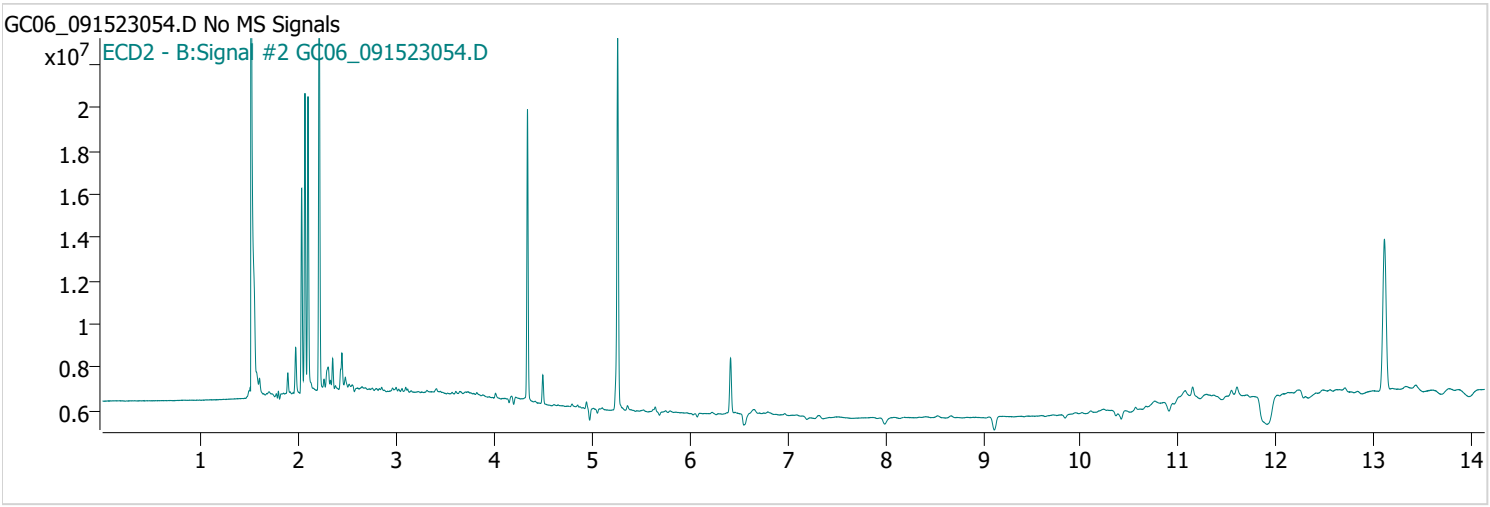
-=low bias c=CCV u=use

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523054.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/16/2023 2:46:26 AM
Sample Name	492059-023, 322492, 1	Instrument	SVOA-GC06
Vial	45	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



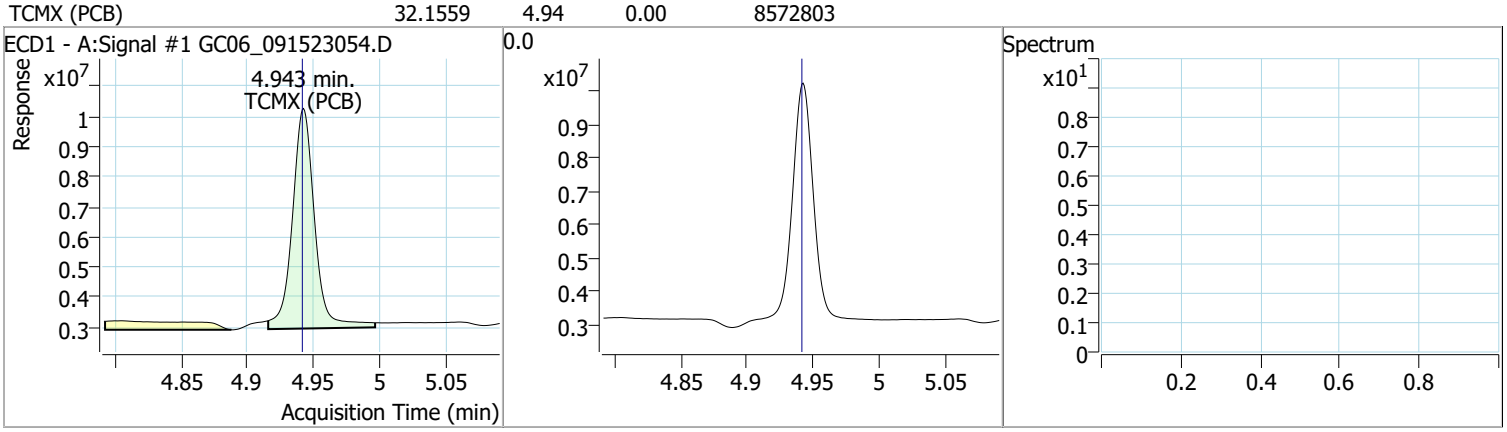


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	5003087.313	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	12668227.480	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8572802.887	32.1559	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 160.78%		*	
S TCMX (PCB) #2	5.265	0.0	19548260.474	29.0901	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 145.45%			
S Decachlorobiphenyl (PCB)	11.943	0.0	7649539.641	22.9130	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 114.57%			
S Decachlorobiphenyl (PCB) #2	13.103	0.0	16791989.559	25.1003	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 125.50%			
Target Compounds							QValue

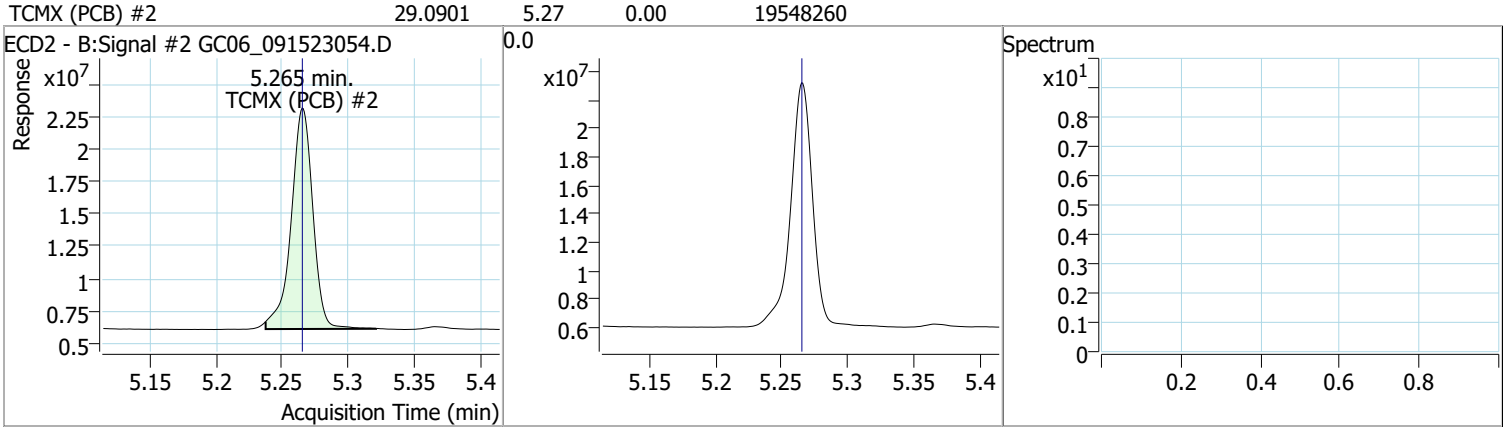
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.316	0.0	384139.253	68.8391	ng/ml	100
T AR1016 2	5.738	0.0	547552.815	48.3321	ng/ml	100
T AR1016 1 #2	5.756	0.0	605456.979	45.8849	ng/ml	100
T AR1016 3	6.049	0.0	1404857.490	97.0196	ng/ml	100
T AR1016 2 #2	6.235	0.0	1109809.325	37.4419	ng/ml	100
T AR1016 4	6.253	0.0	43048.976	4.9324	ng/ml	100
T AR1016 5	6.660	0.0	238222.378	35.6888	ng/ml	100
T AR1016 3 #2	6.660	0.0	3653269.968	102.4285	ng/ml	100
T AR1016 4 #2	6.799	0.0	272176.036	10.6026	ng/ml	100
T AR1016 5 #2	7.525	0.0	661845.163	48.3340	ng/ml	100
T AR1260 1	8.458	0.0	59591.567	3.6018	ng/ml	100
T AR1260 2	9.150	0.0	89477.701	3.5427	ng/ml	100
T AR1260 3	9.543	0.0	54903.378	2.0344	ng/ml	100
T AR1260 1 #2	9.721	0.0	467408.614	13.0828	ng/ml	100
T AR1260 4	9.948	0.0	138438.221	9.4153	ng/ml	100
T AR1260 2 #2	10.012	0.0	127608.377	3.1679	ng/ml	100
T AR1260 3 #2	10.459	0.0	1025163.854	19.8875	ng/ml	100
T AR1260 5	10.730	0.0	424760.254	18.2701	ng/ml	100
T AR1260 4 #2	10.937	0.0	231673.725	7.6945	ng/ml	100
T AR1260 5 #2	11.541	0.0	1044698.217	23.9382	ng/ml	100

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

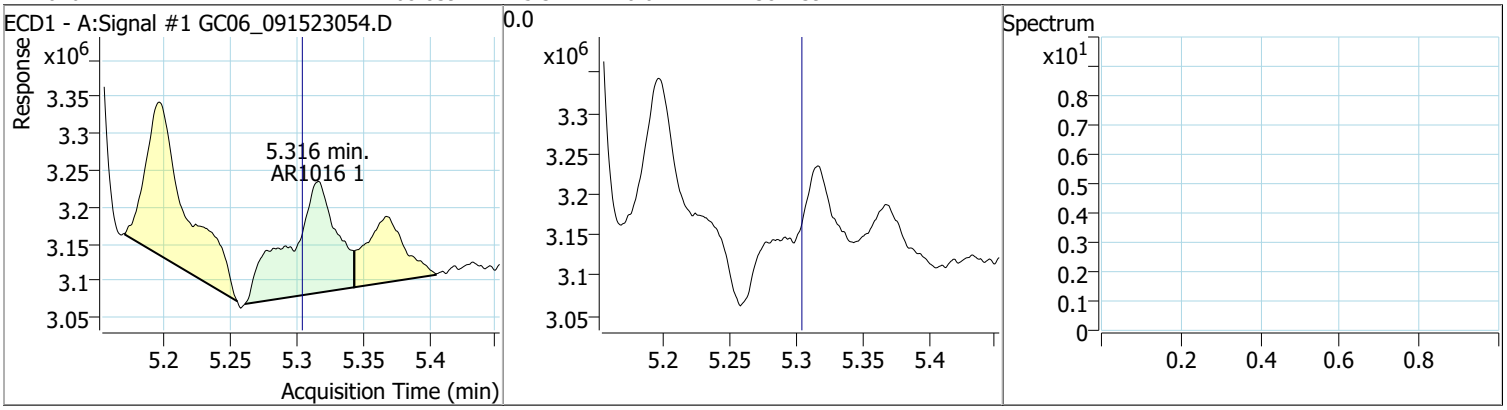
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.1559	4.94	0.00	8572803				



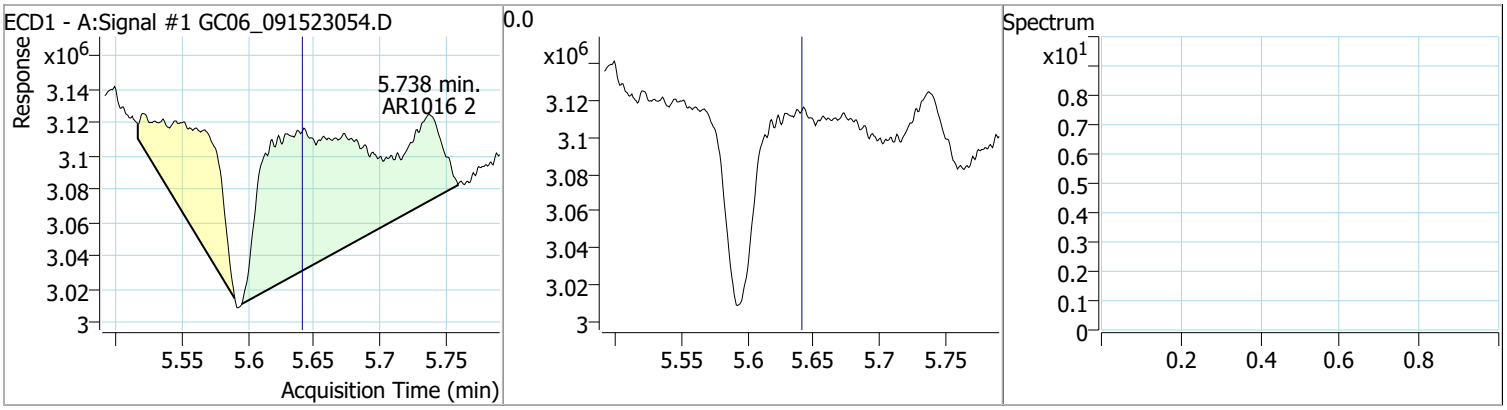
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.0901	5.27	0.00	19548260				



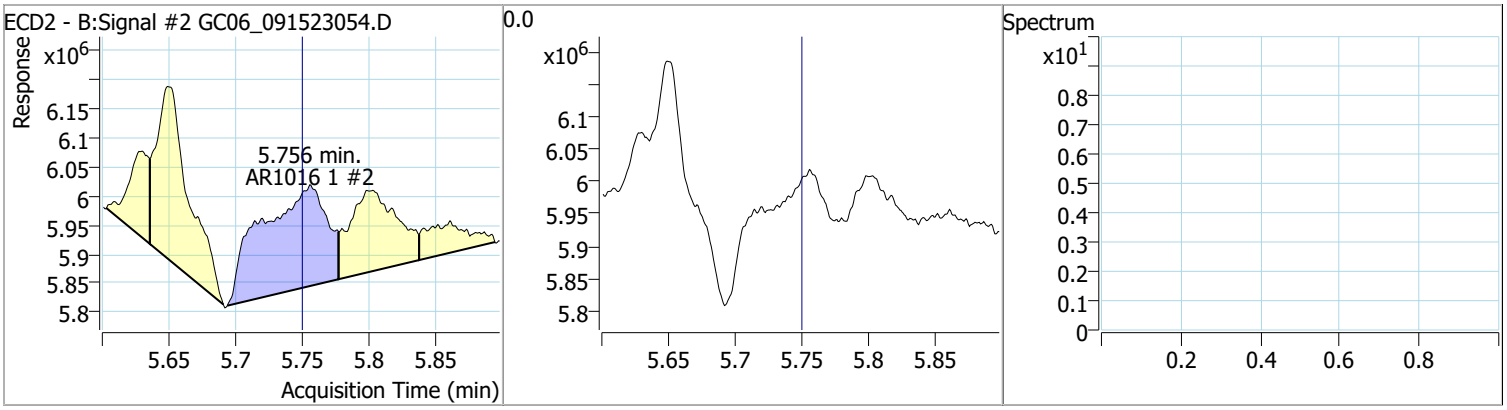
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	68.8391	5.32	0.01	384139				



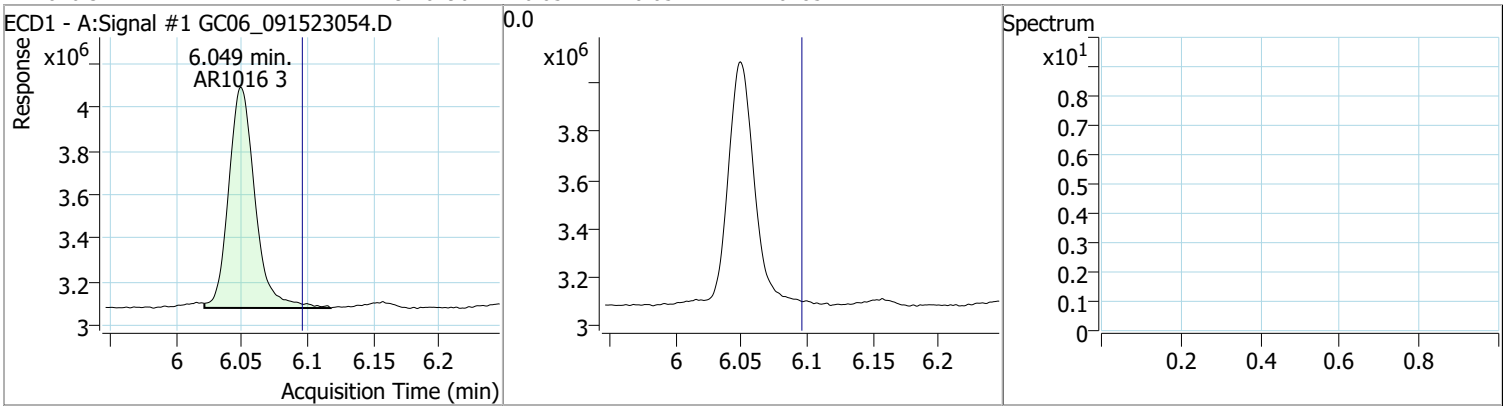
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	48.3321	5.74	0.09	547553				



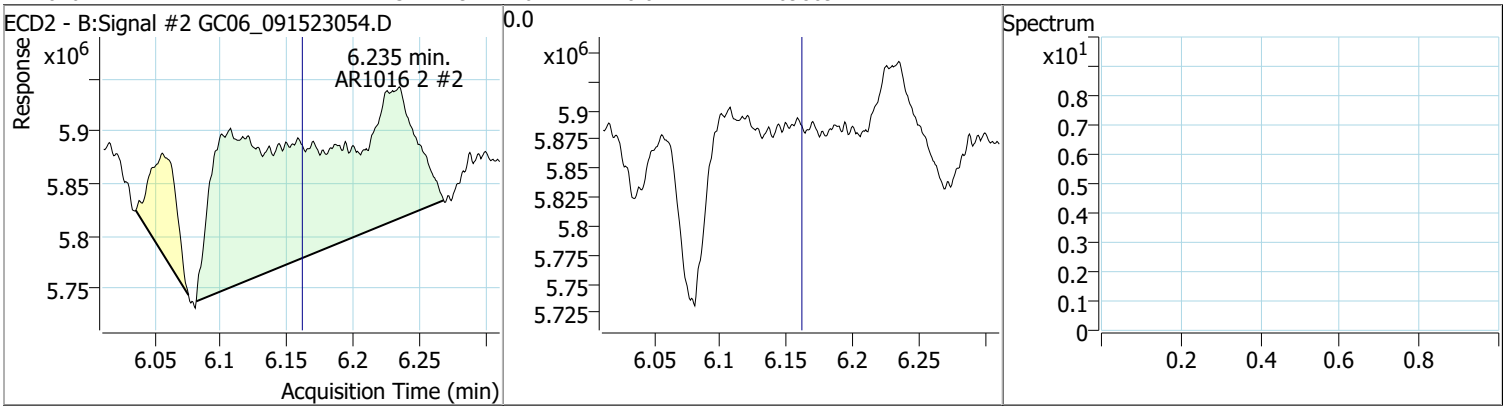
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	45.8849	5.76	0.01	605457				



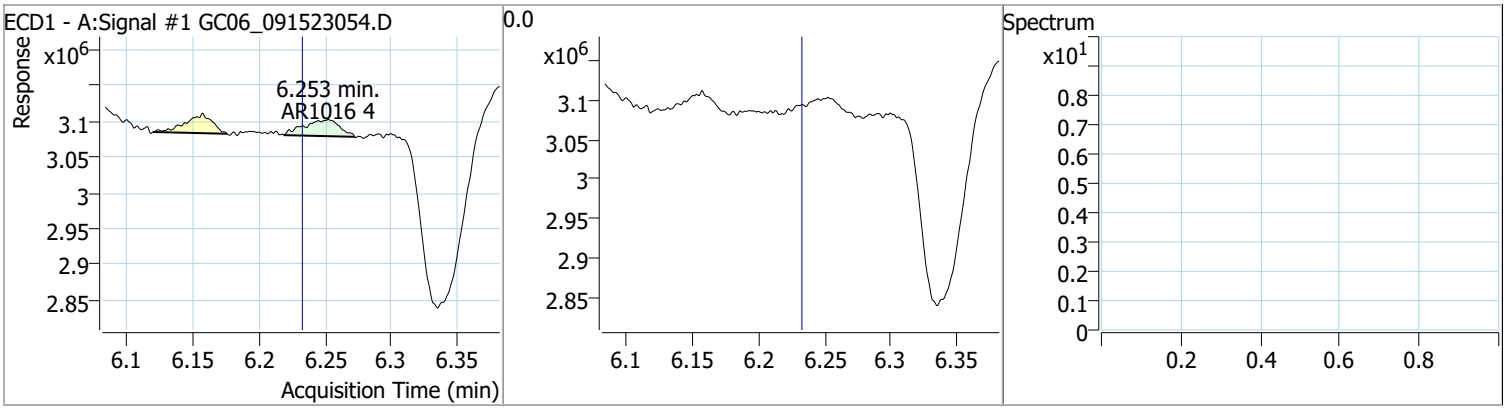
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	97.0196	6.05	-0.05	1404857				



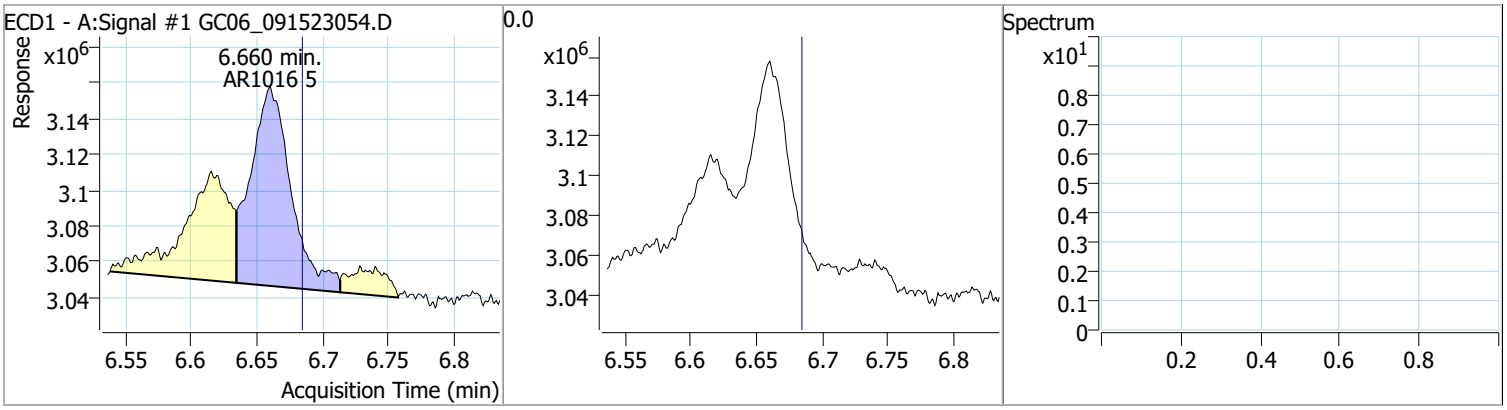
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	37.4419	6.24	0.07	1109809				



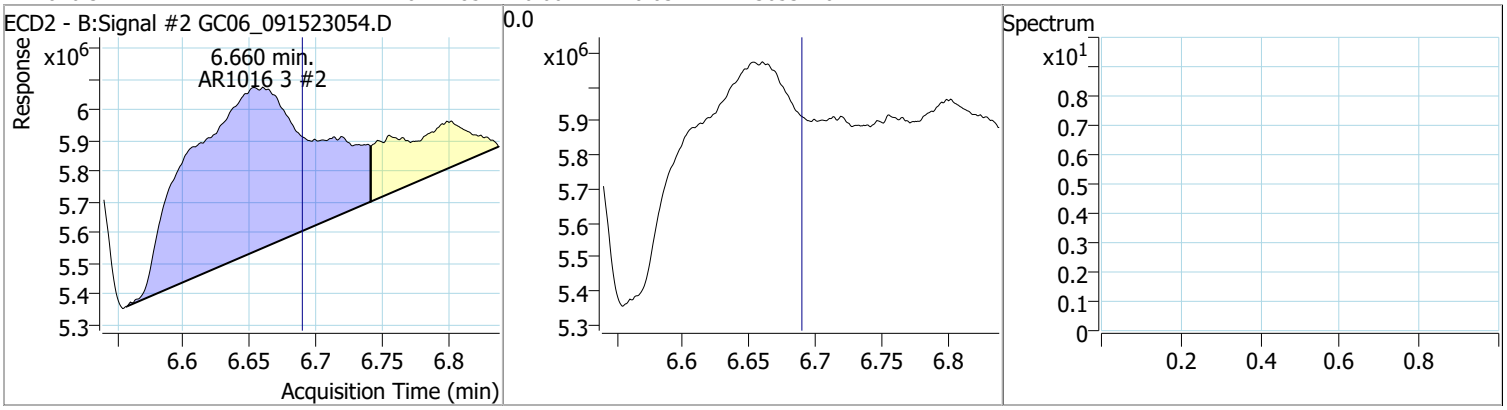
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.9324	6.25	0.02	43049				



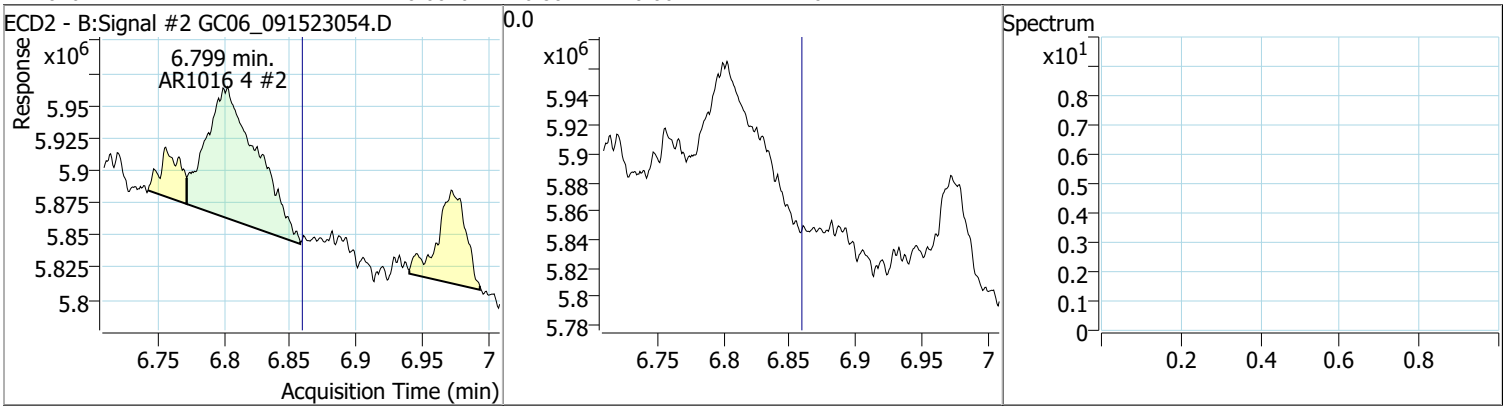
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	35.6888	6.66	-0.03	238222				



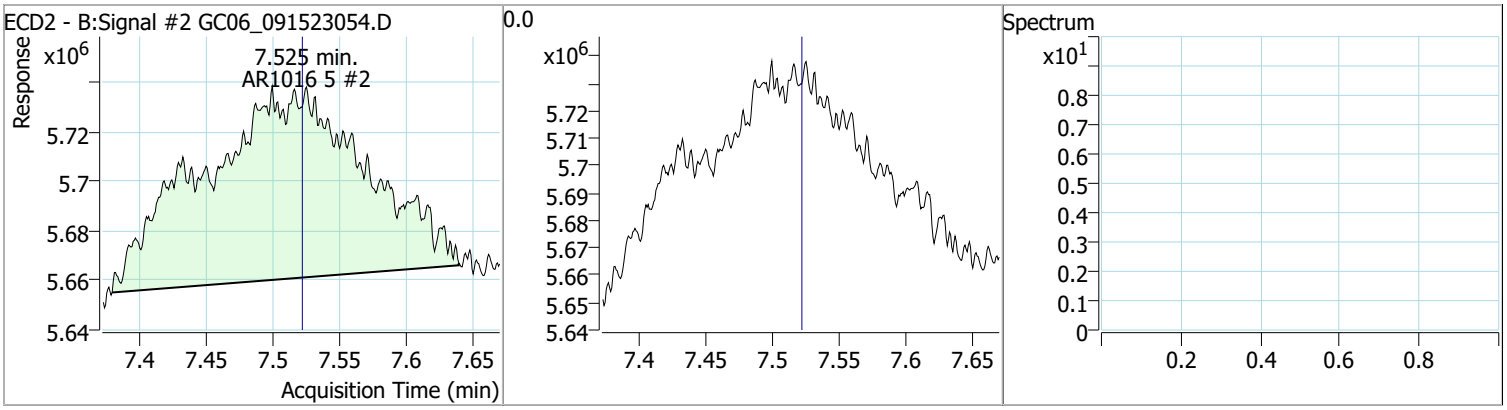
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	102.4285	6.66	-0.03	3653270				



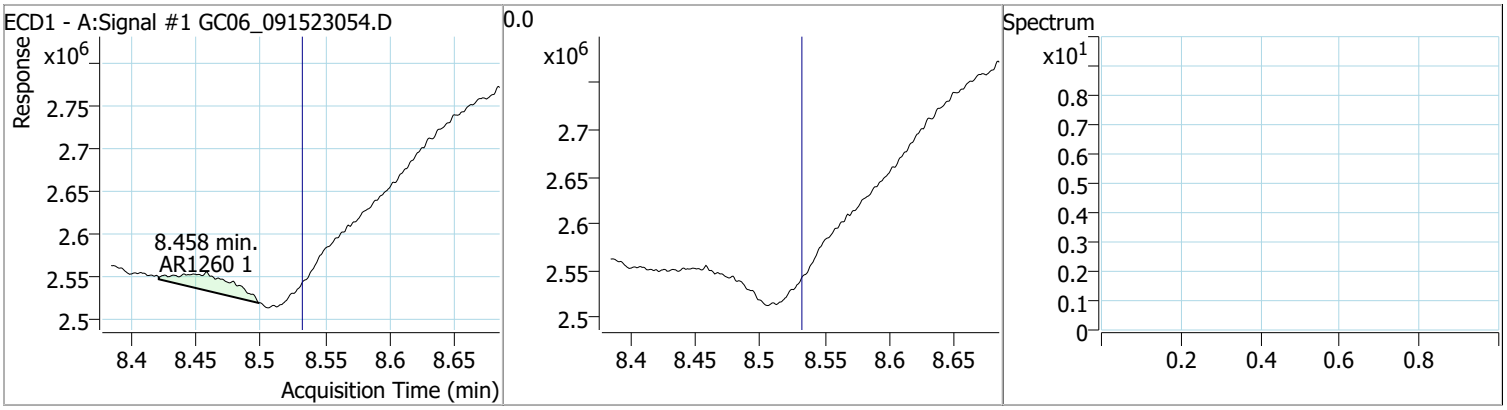
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.6026	6.80	-0.06	272176				



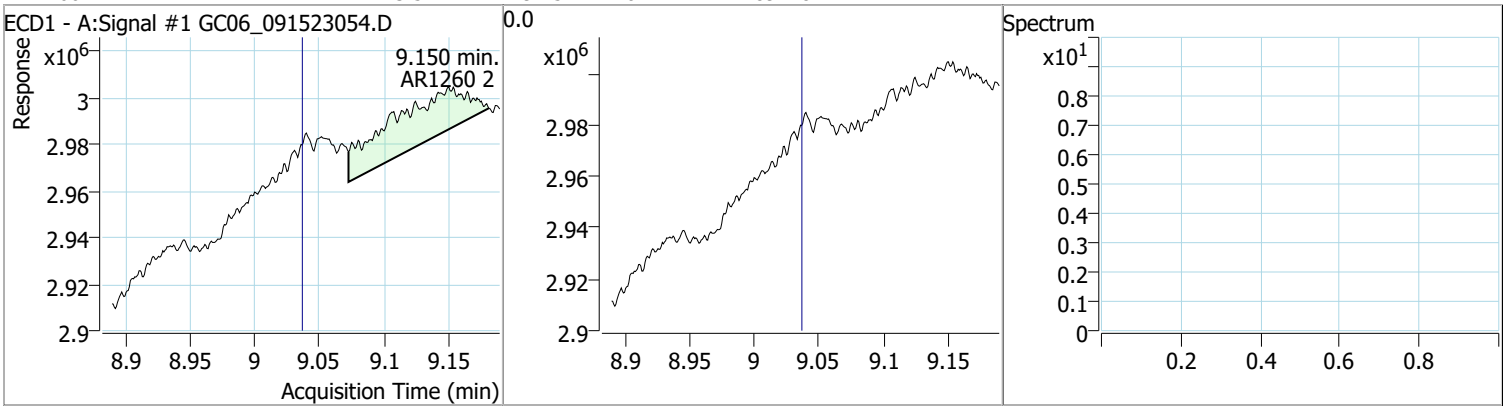
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	48.3340	7.53	0.00	661845				



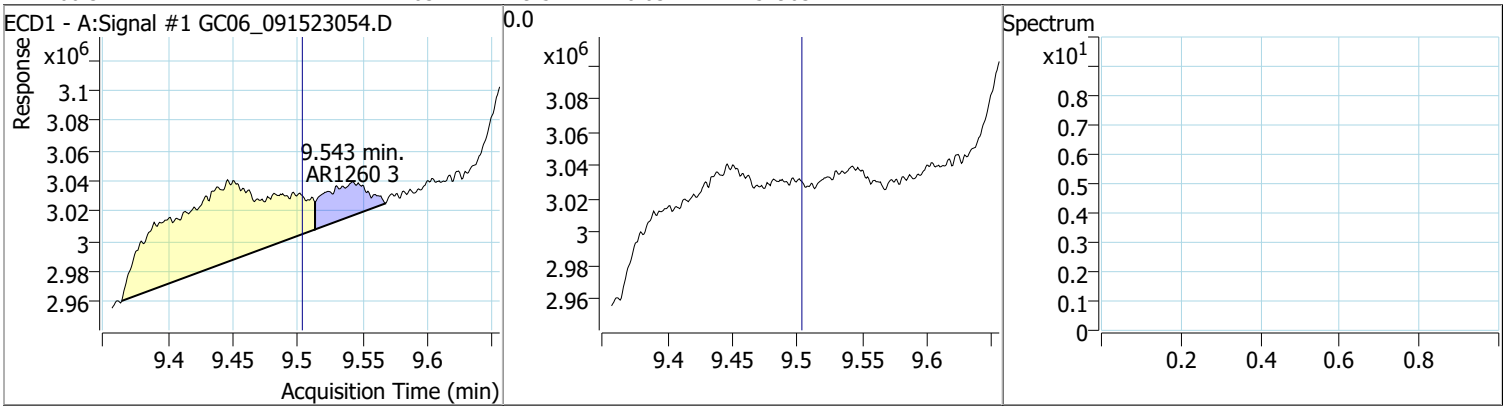
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	3.6018	8.46	-0.08	59592				



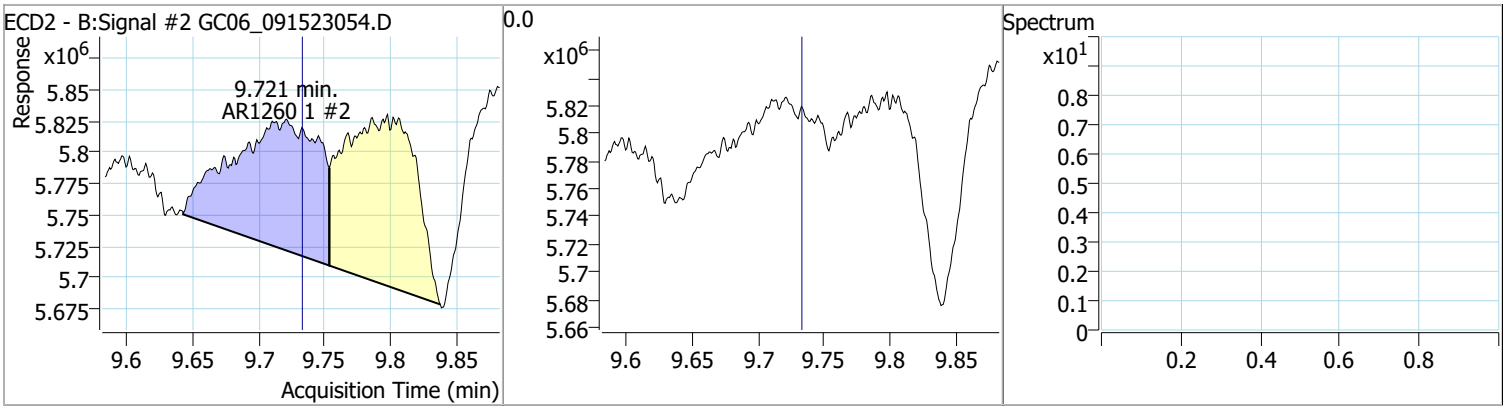
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.5427	9.15	0.11	89478				



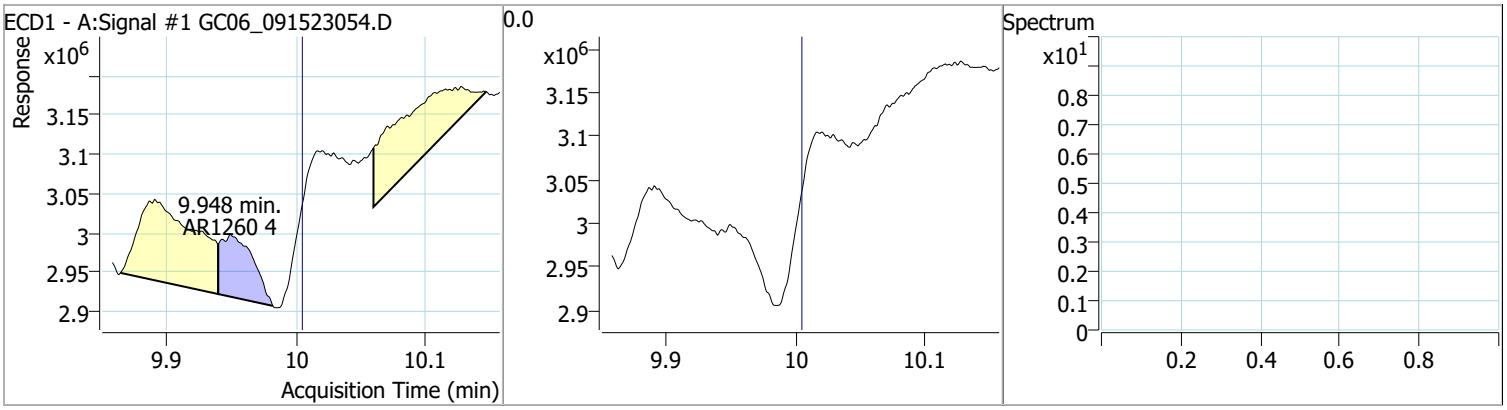
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.0344	9.54	0.03	54903				



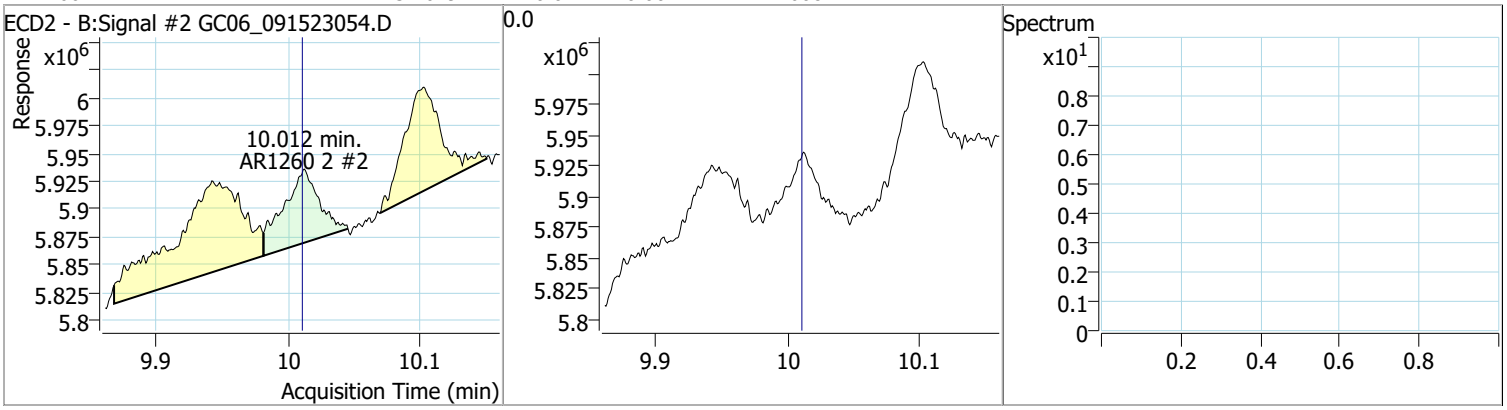
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	13.0828	9.72	-0.01	467409				



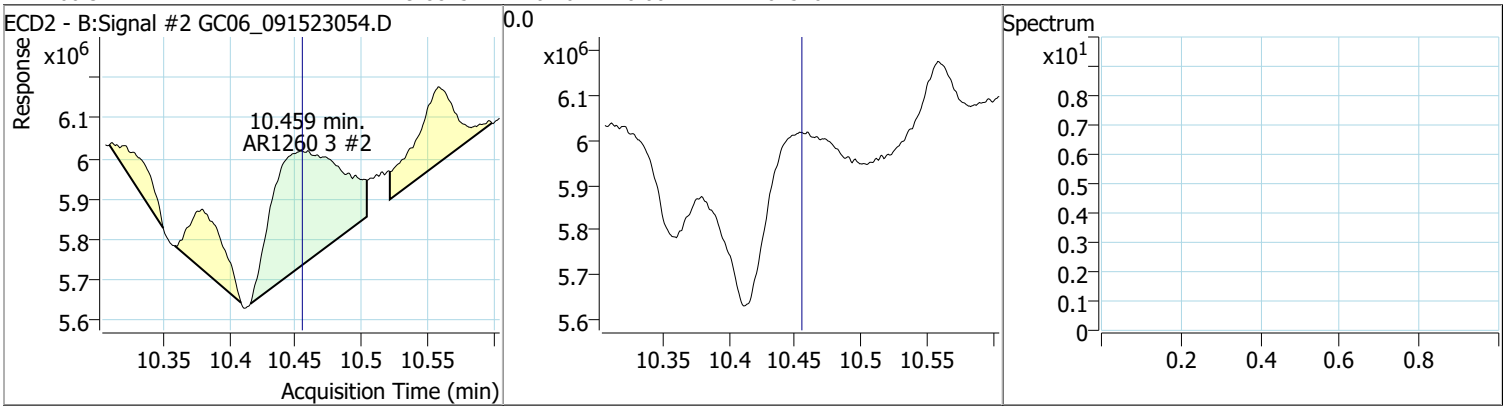
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	9.4153	9.95	-0.06	138438				



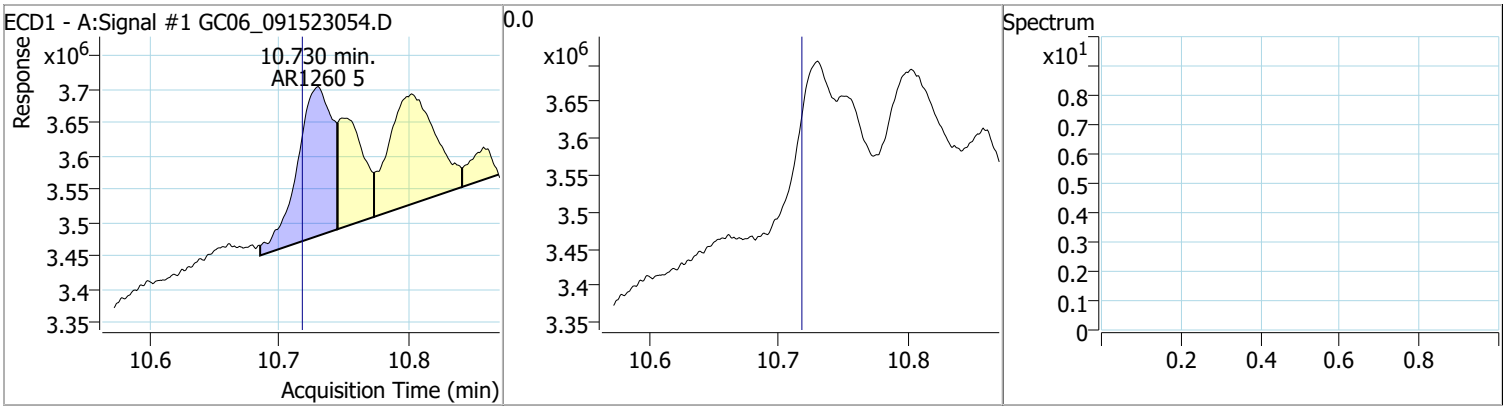
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.1679	10.01	0.00	127608				



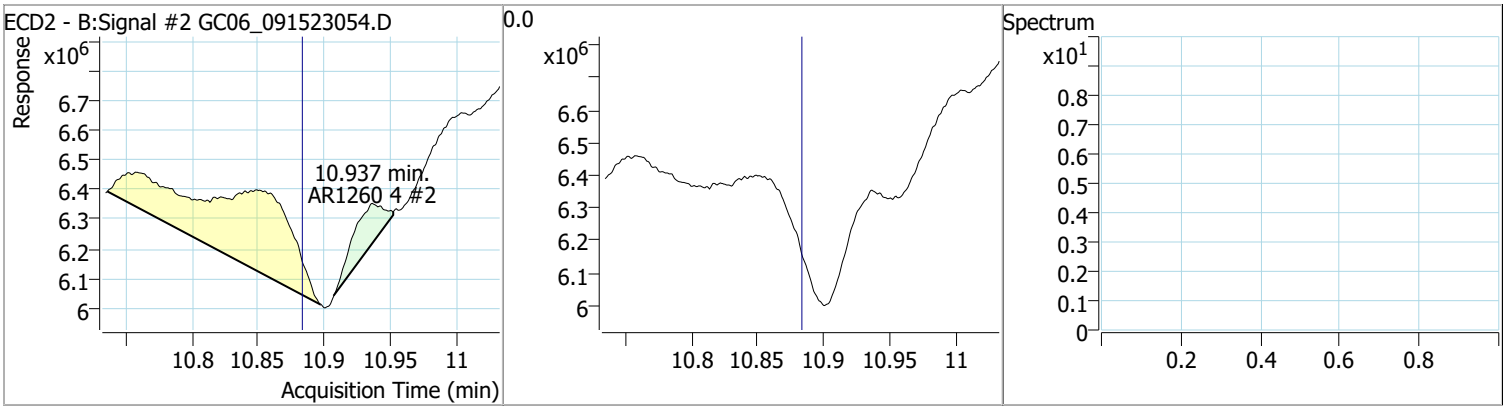
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	19.8875	10.46	0.00	1025164				



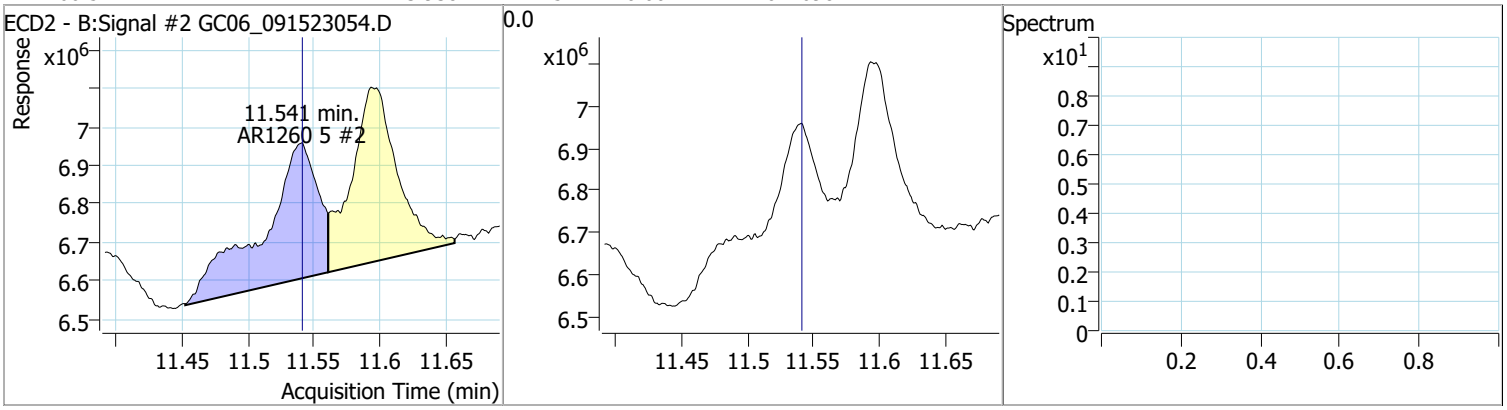
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.2701	10.73	0.01	424760				



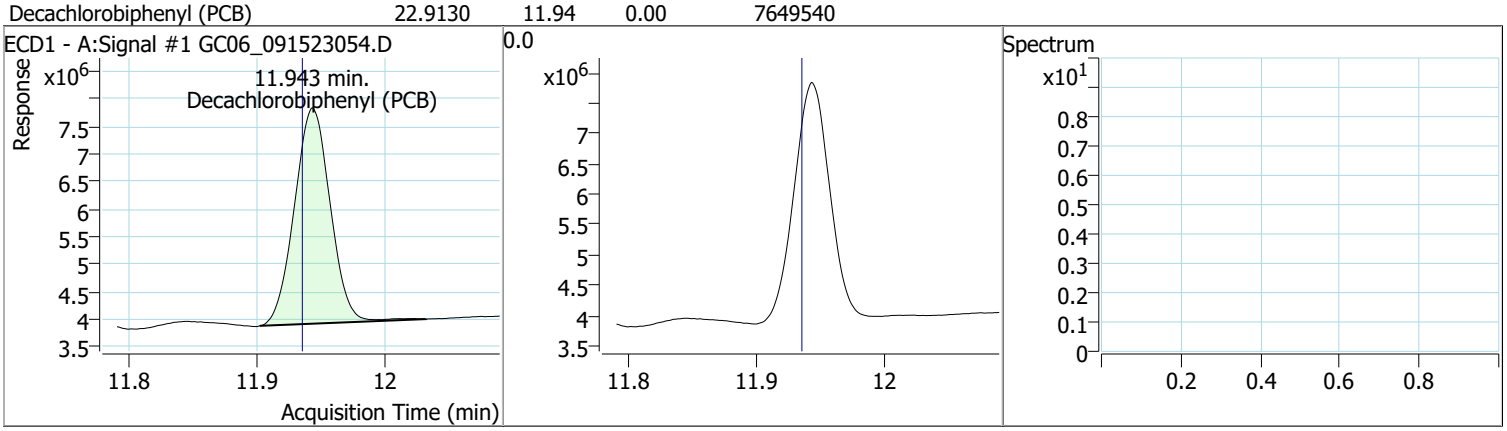
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.6945	10.94	0.05	231674				



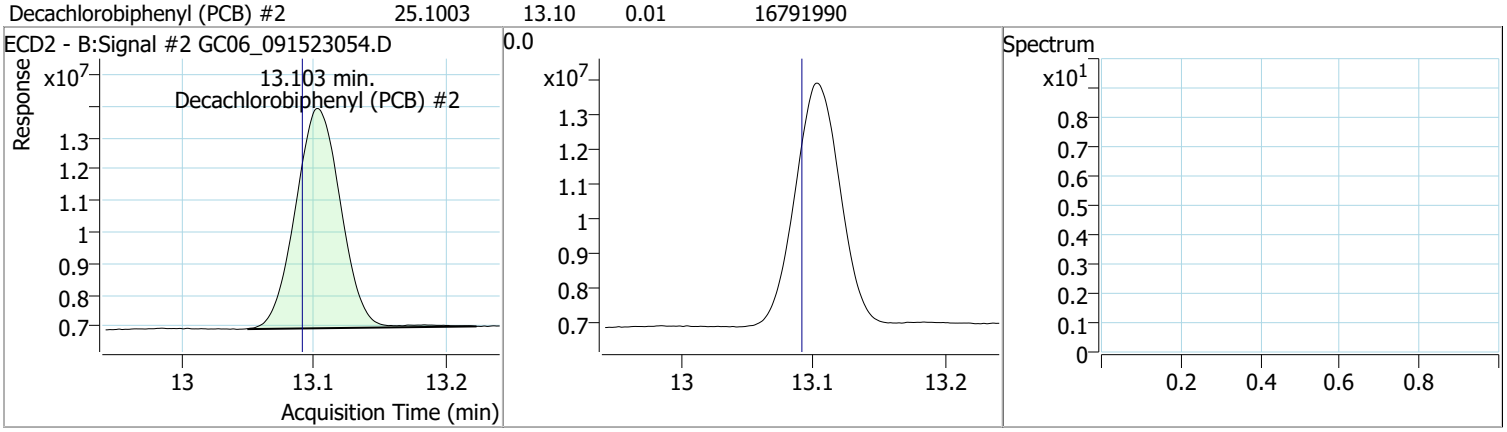
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.9382	11.54	0.00	1044698				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	22.9130	11.94	0.00	7649540				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	25.1003	13.10	0.01	16791990				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 492059 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1093862		
Seqnum:	453372148034.1	Matrix:	Wipe		
File:	gc06_091523034	Batch:	322492	Time:	15-SEP-2023 20:30
Cal:	453205686001	Caldate:	22-MAY-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	35.25	ND	0.62	54%	0.50	u
Aroclor-1016 Peak # 1	B	20.00	0.20	0.39	65%		
Aroclor-1016 Peak # 2	B	16.87	0.17	0.16	7%		
Aroclor-1016 Peak # 3	B	137.8	1.38	0.01	198%		
Aroclor-1016 Peak # 4	B	1.299	0.01	2.17	198%		
Aroclor-1016 Peak # 5	B	0.3205	0.00	0.36	196%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	8.304	ND	0.29	110%	0.50	u
Aroclor-1260 Peak # 1	B	17.89	0.18	0.62	110%		
Aroclor-1260 Peak # 2	B	1.991	0.02	0.00	143%		
Aroclor-1260 Peak # 3	B	9.138	0.09	ND			
Aroclor-1260 Peak # 4	B	6.563	0.07	0.79	169%		
Aroclor-1260 Peak # 5	B	5.938	0.06	0.01	122%		
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	27.83	0.5000	0.2783	56	19-121	c- u
Decachlorobiphenyl (PCB)	B	32.58	0.5000	0.3258	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_091523004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10054932	11611663	15.48
1-bromo-2-nitrobenzene (PCB)	A	3904319	4852115	24.28

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_091523004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

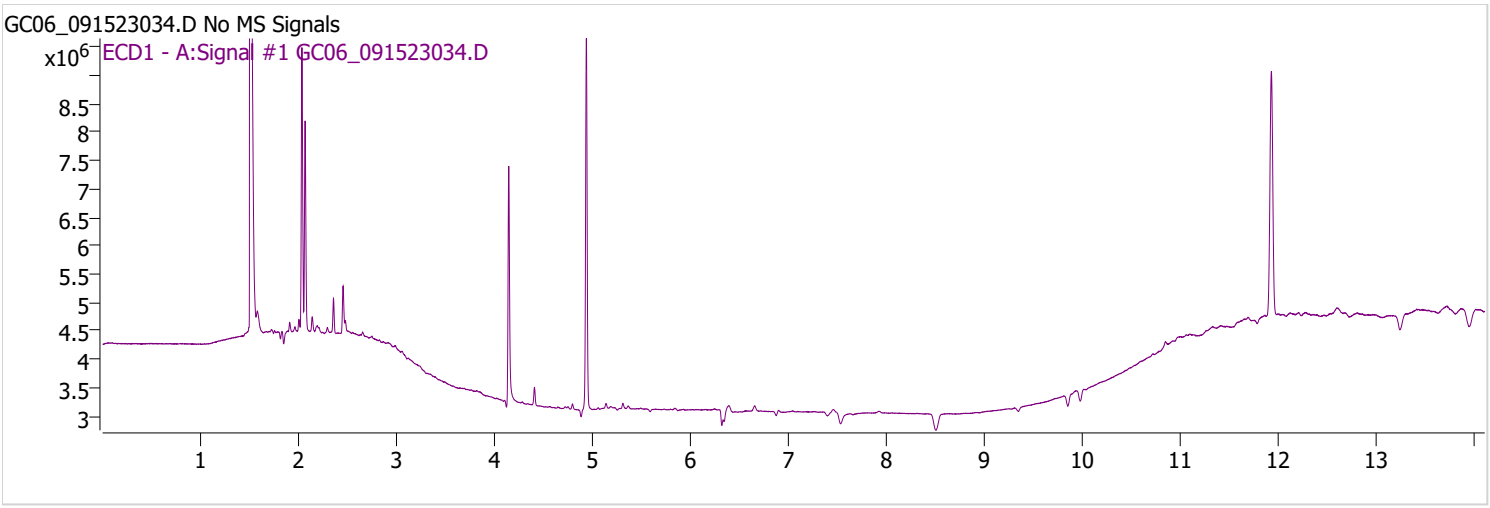
09/18/23 : WIPE/1S-10ML [general version]

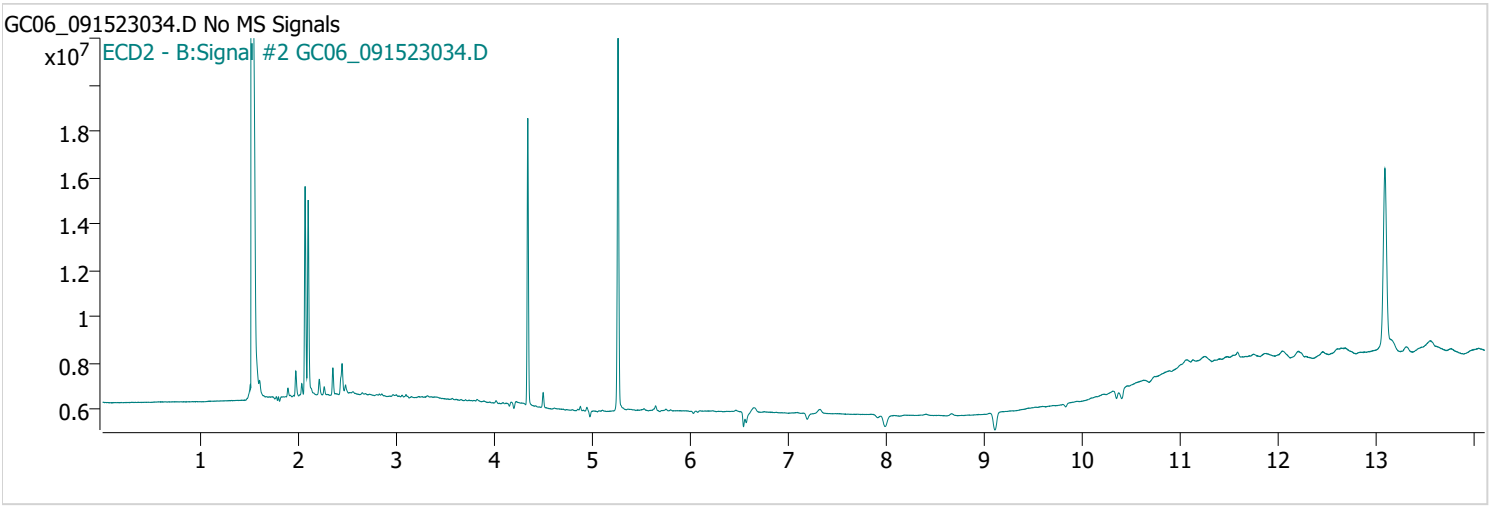
-=low bias c=CCV u=use

Analyst: MES 09/19/23 **Reviewer:** MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523034.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/15/2023 8:30:23 PM
Sample Name	QC1093862, 322492, 1	Instrument	SVOA-GC06
Vial	31	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



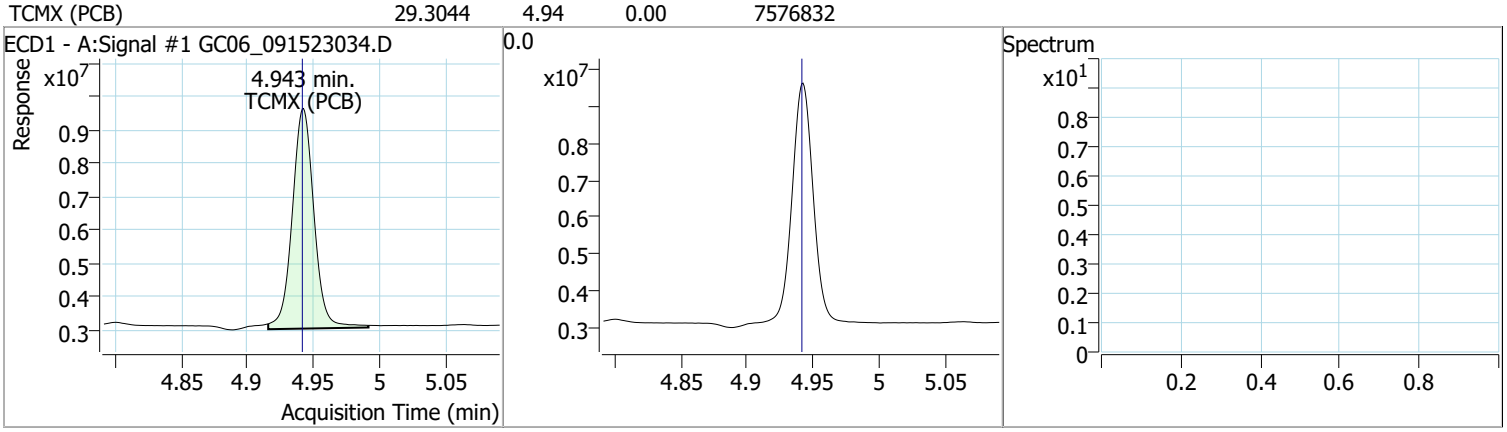


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	4852114.780	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	11611662.801	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	7576831.896	29.3044	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.52%			
S TCMX (PCB) #2	5.266	0.0	17139255.279	27.8260	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 139.13%			
S Decachlorobiphenyl (PCB)	11.940	0.0	9216155.112	28.4645	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.32%			
S Decachlorobiphenyl (PCB) #2	13.099	0.0	19978271.681	32.5804	ng/ml		0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.90%		*	
Target Compounds							QValue

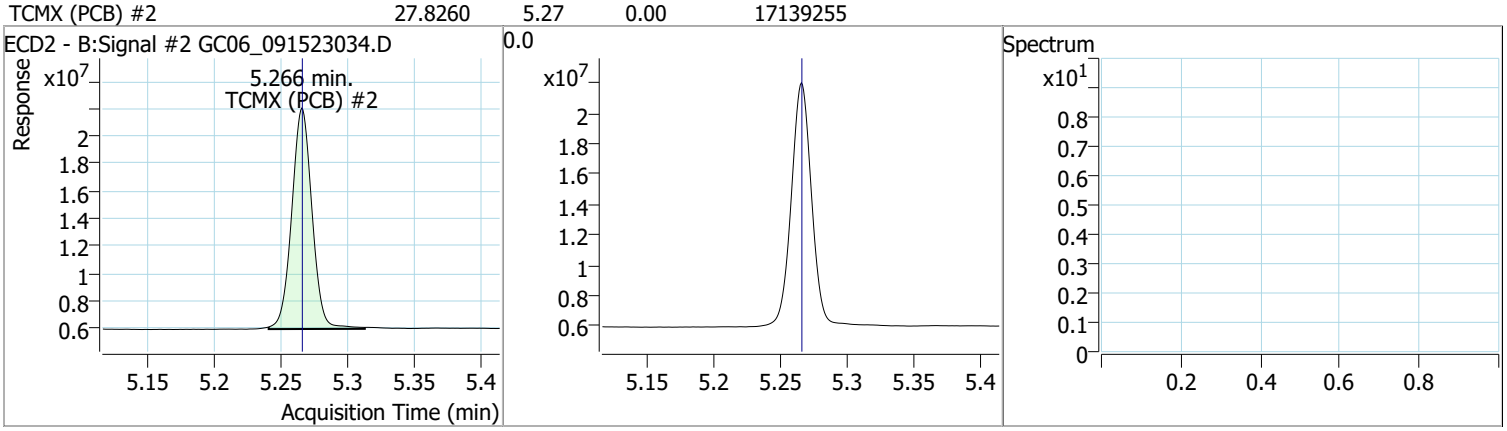
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.316	0.0	211785.691	39.1336	ng/ml	100
T AR1016 2	5.648	0.0	172965.585	15.7426	ng/ml	100
T AR1016 1 #2	5.756	0.0	241862.366	19.9975	ng/ml	100
T AR1016 3	6.085	0.0	8396.655	0.5979	ng/ml	100
T AR1016 2 #2	6.105	0.0	458232.322	16.8662	ng/ml	100
T AR1016 4	6.249	0.0	1834961.493	216.7872	ng/ml	100
T AR1016 5	6.662	0.0	230691.061	35.6359	ng/ml	100
T AR1016 3 #2	6.660	0.0	4504278.992	137.7798	ng/ml	100
T AR1016 4 #2	6.880	0.0	30559.215	1.2987	ng/ml	100
T AR1016 5 #2	7.522	0.0	4022.260	0.3205	ng/ml	100
T AR1260 1	8.642	0.0	991837.396	61.8141	ng/ml	100
T AR1260 2	9.040	0.0	8160.879	0.3332	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.808	0.0	585856.321	17.8903	ng/ml	100
T AR1260 4	9.949	0.0	1132389.741	79.4111	ng/ml	100
T AR1260 2 #2	9.948	0.0	73498.087	1.9906	ng/ml	100
T AR1260 3 #2	10.381	0.0	431766.000	9.1381	ng/ml	100
T AR1260 5	10.728	0.0	32641.981	1.4477	ng/ml	100
T AR1260 4 #2	10.903	0.0	181127.401	6.5631	ng/ml	100
T AR1260 5 #2	11.491	0.0	237532.528	5.9381	ng/ml	100

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

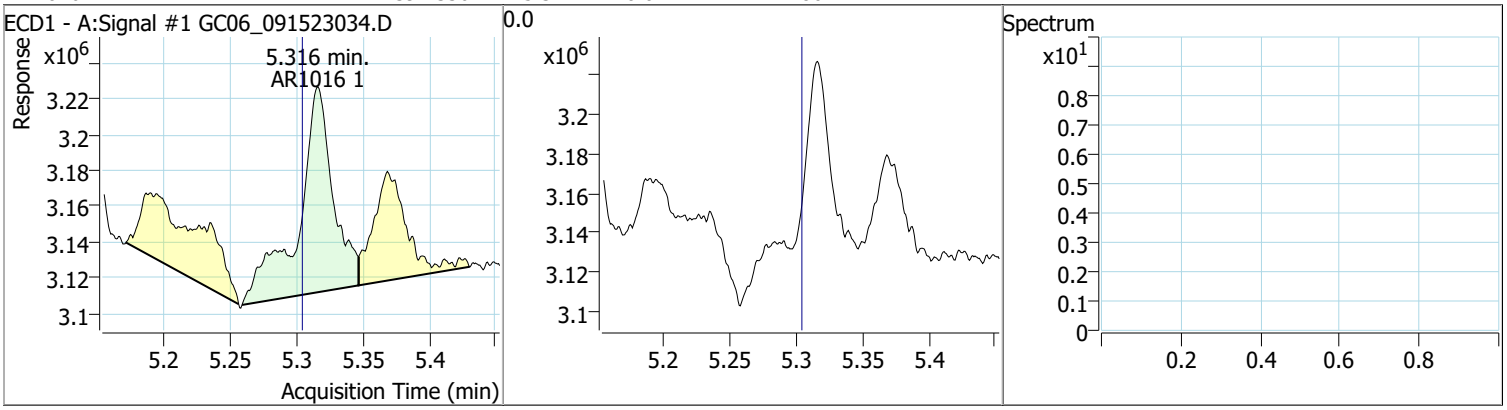
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.3044	4.94	0.00	7576832				



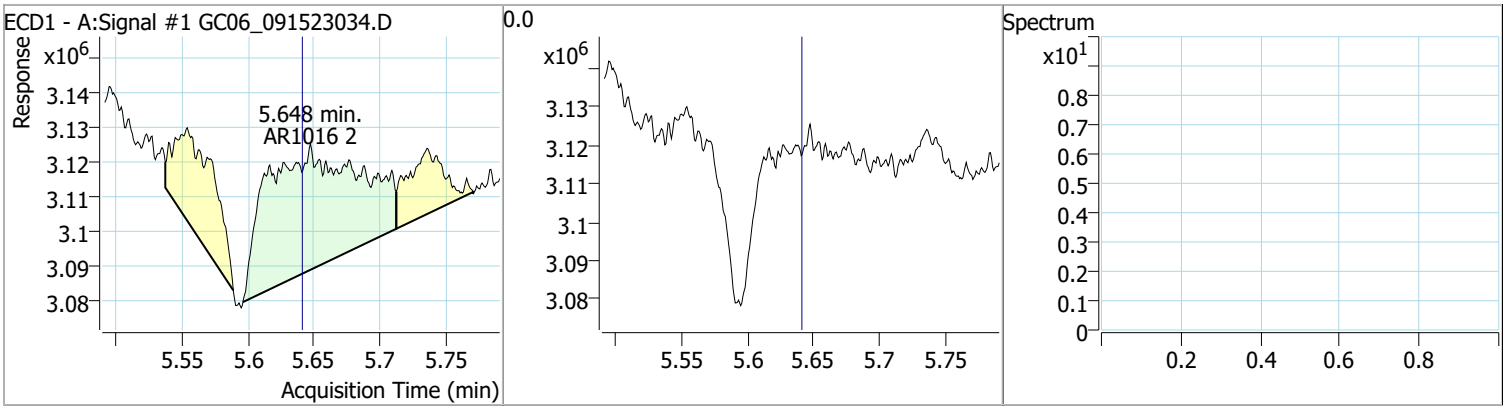
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	27.8260	5.27	0.00	17139255				



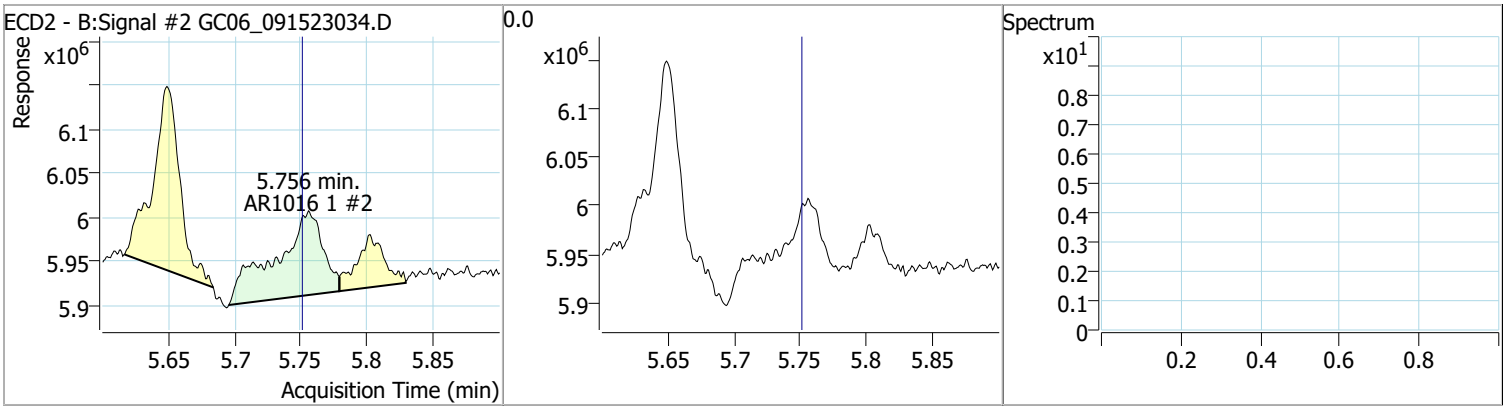
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	39.1336	5.32	0.01	211786				



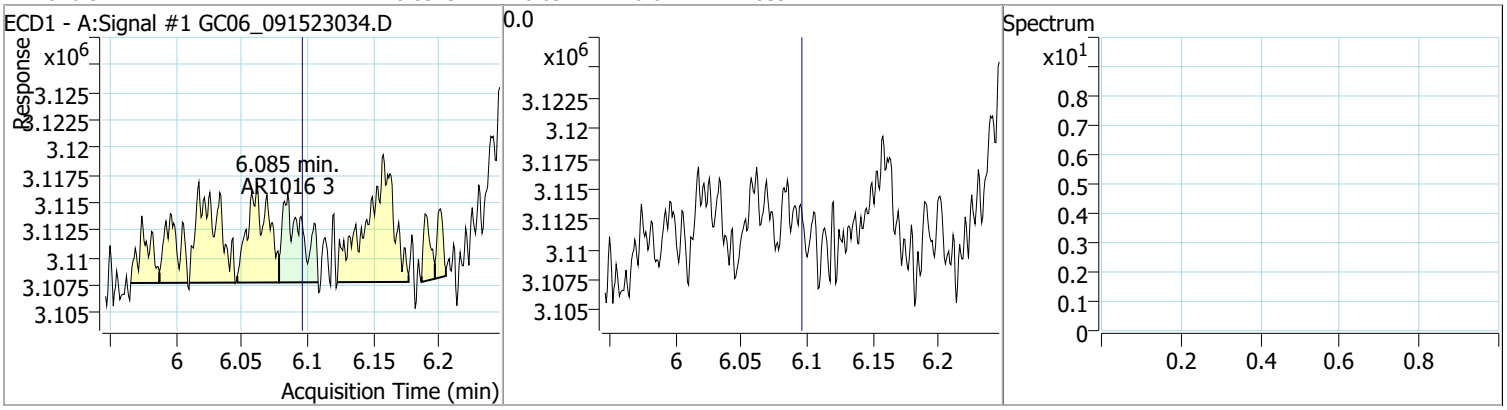
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	15.7426	5.65	0.00	172966				



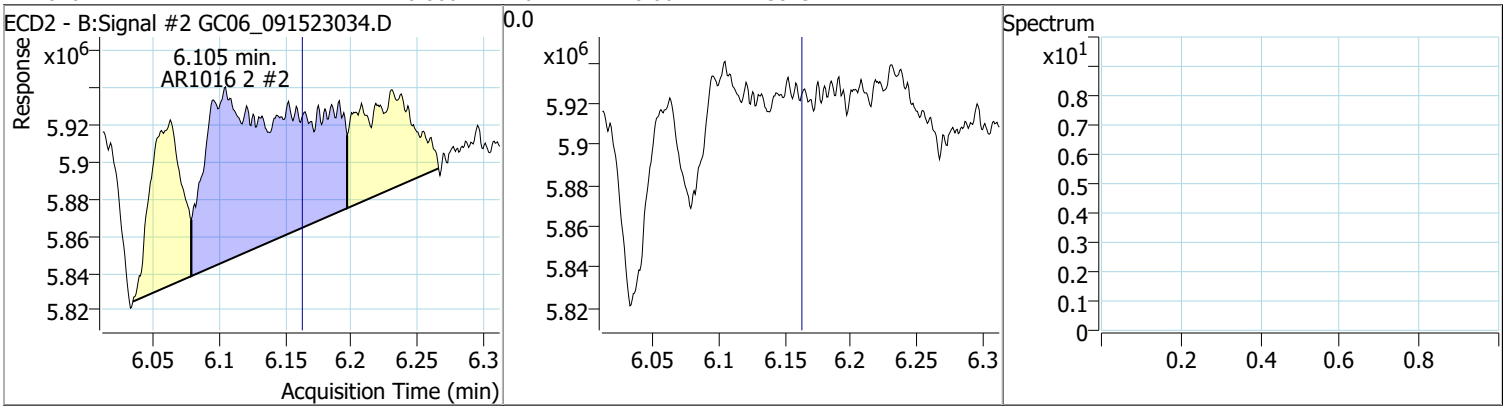
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	19.9975	5.76	0.01	241862				



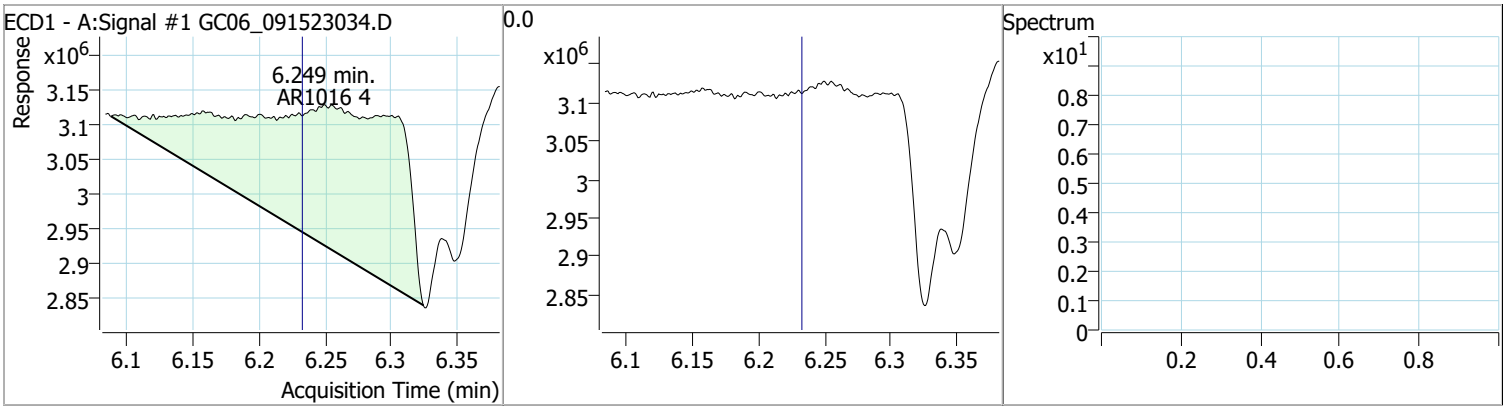
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.5979	6.09	-0.01	8397				



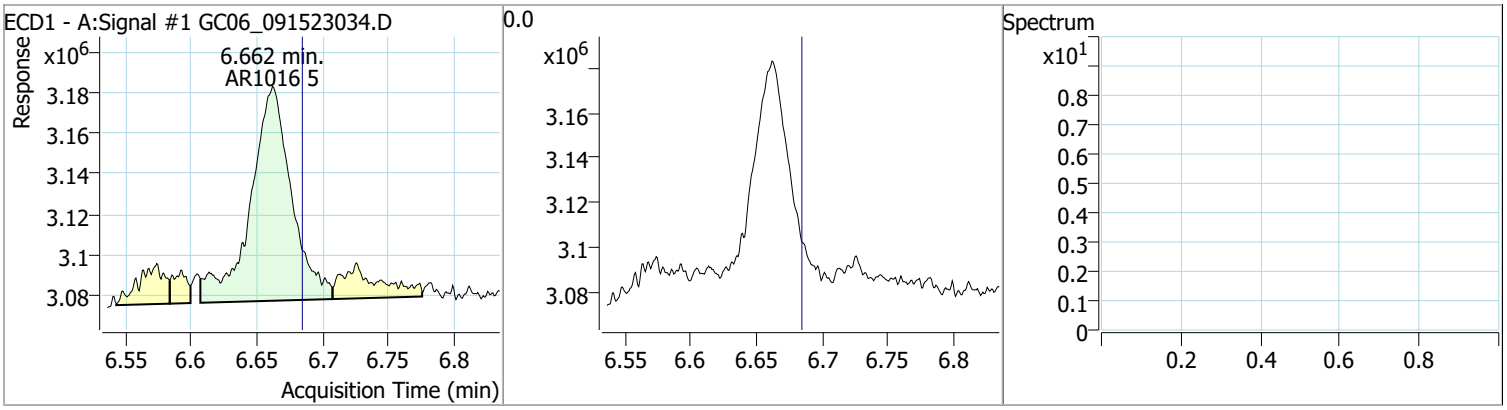
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	16.8662	6.11	-0.06	458232				



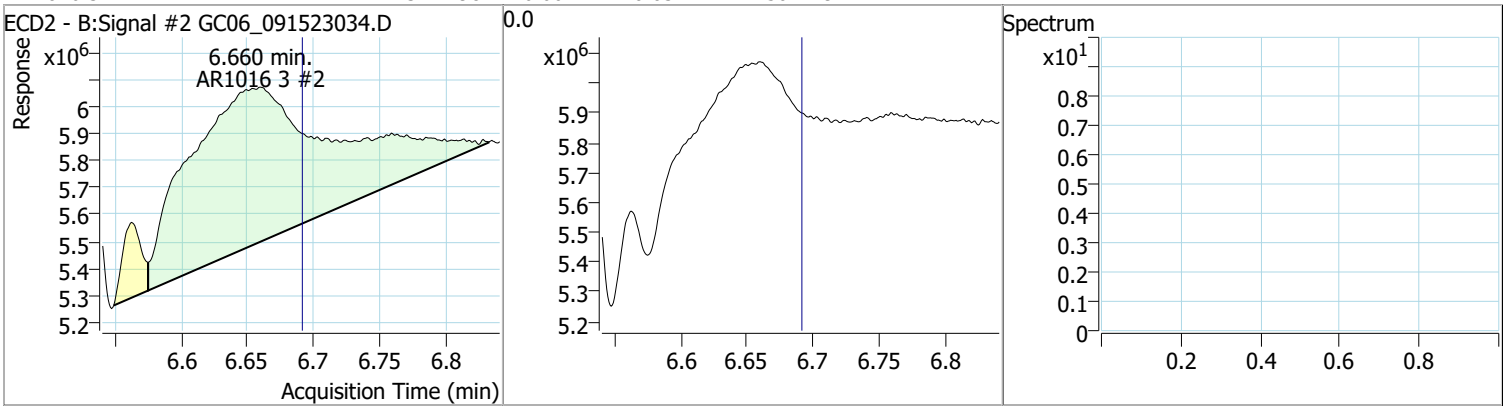
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	216.7872	6.25	0.01	1834961				



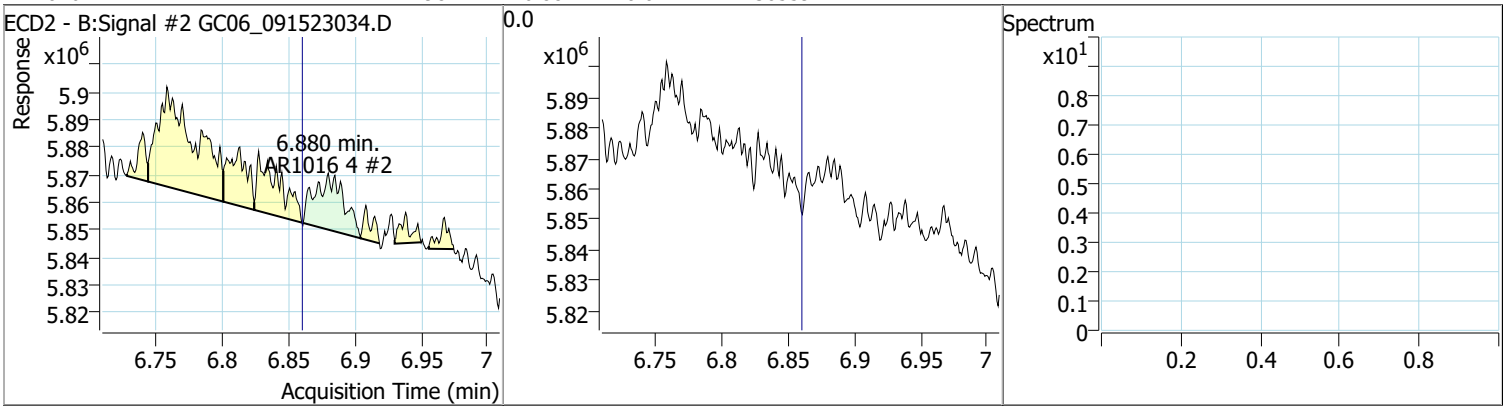
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	35.6359	6.66	-0.03	230691				



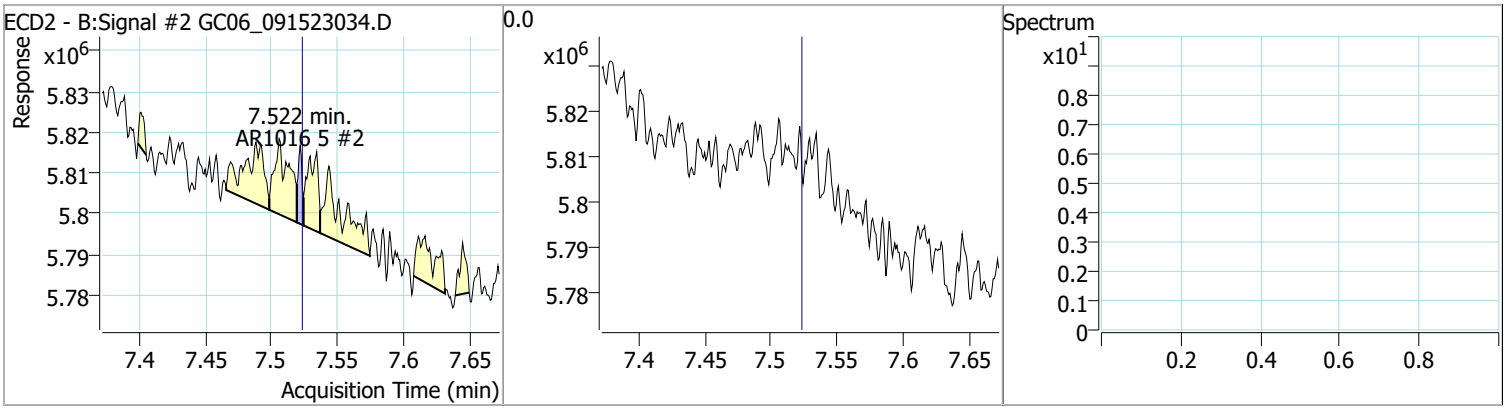
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	137.7798	6.66	-0.03	4504279				



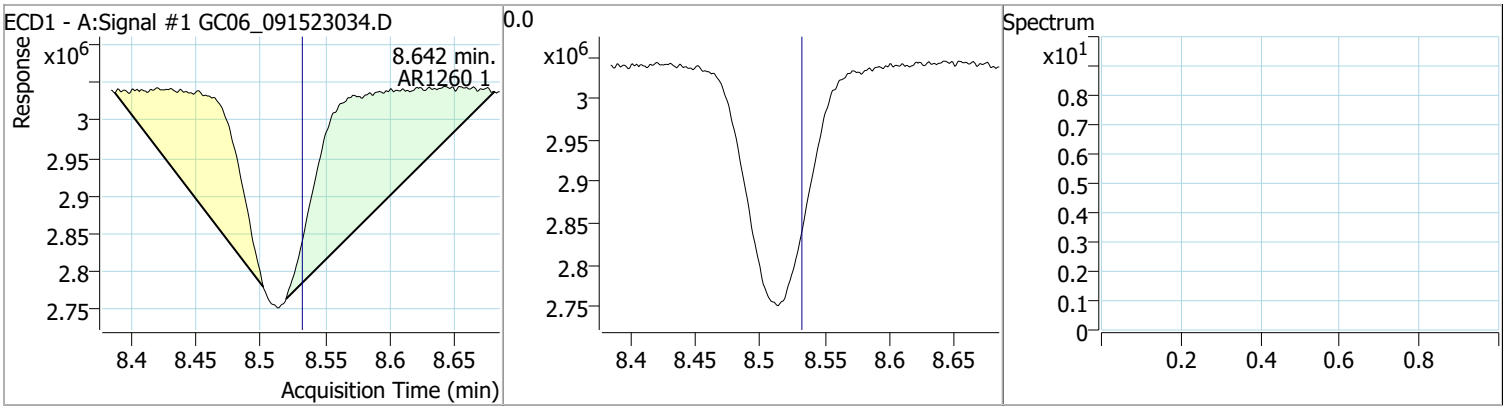
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.2987	6.88	0.02	30559				



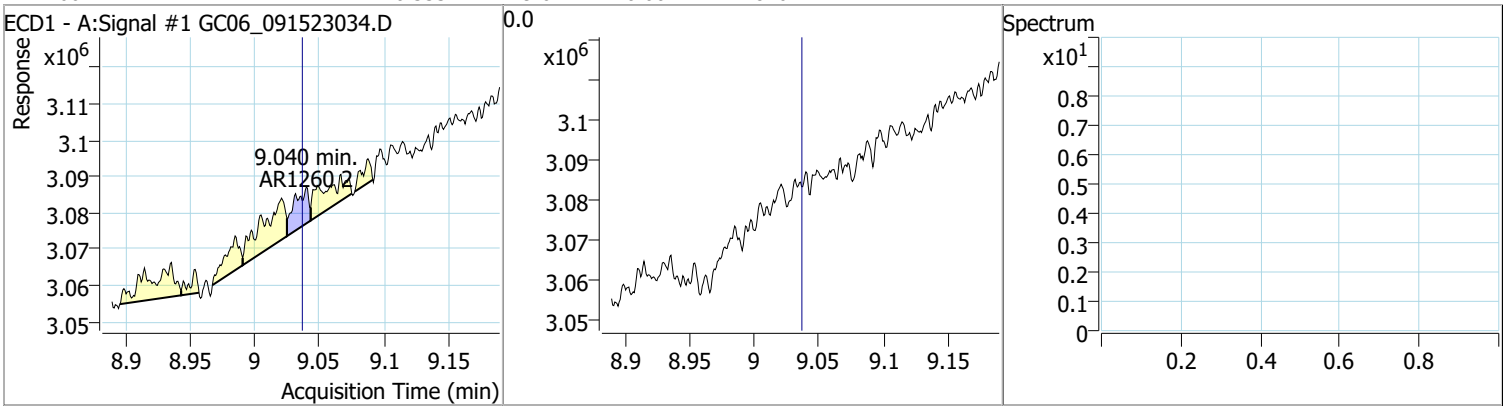
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3205	7.52	0.00	4022				



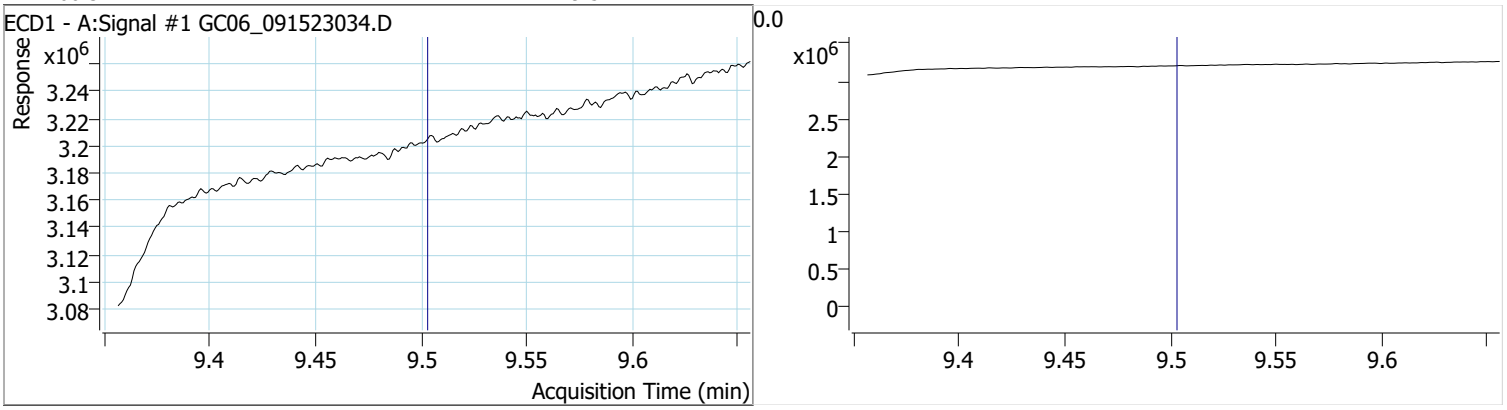
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	61.8141	8.64	0.10	991837				



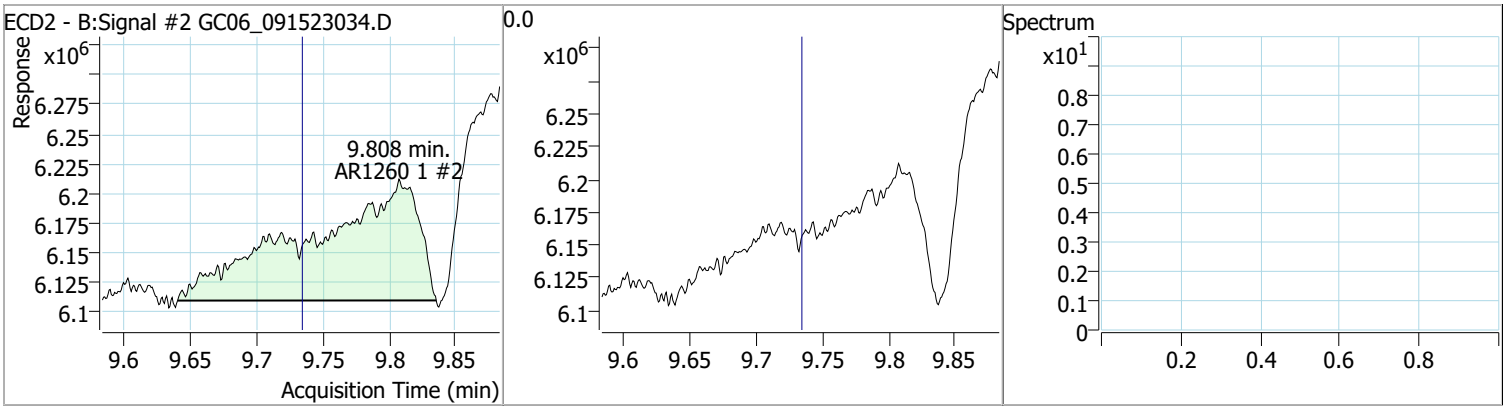
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3332	9.04	0.00	8161				



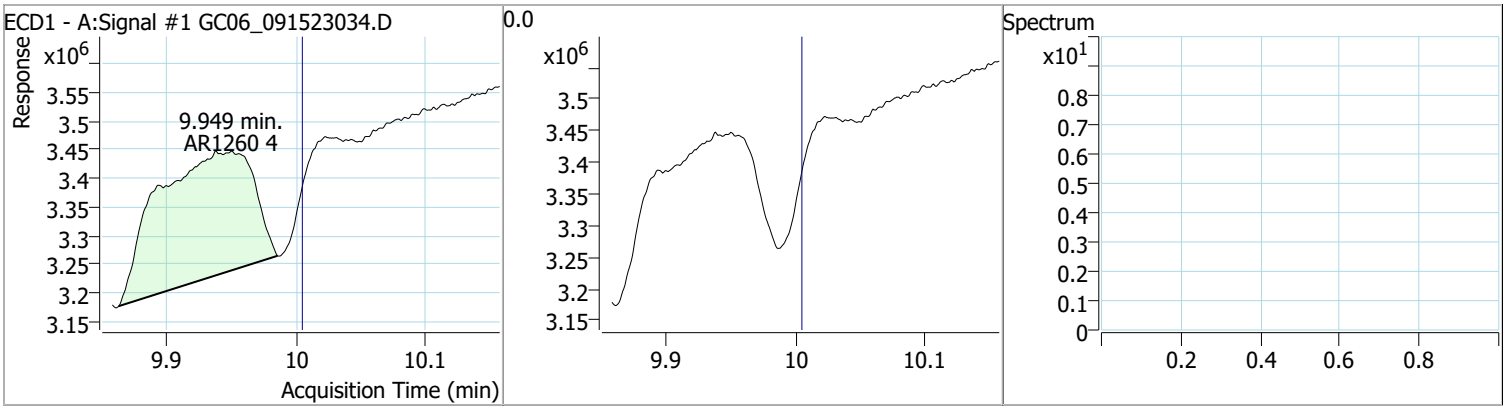
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.51		



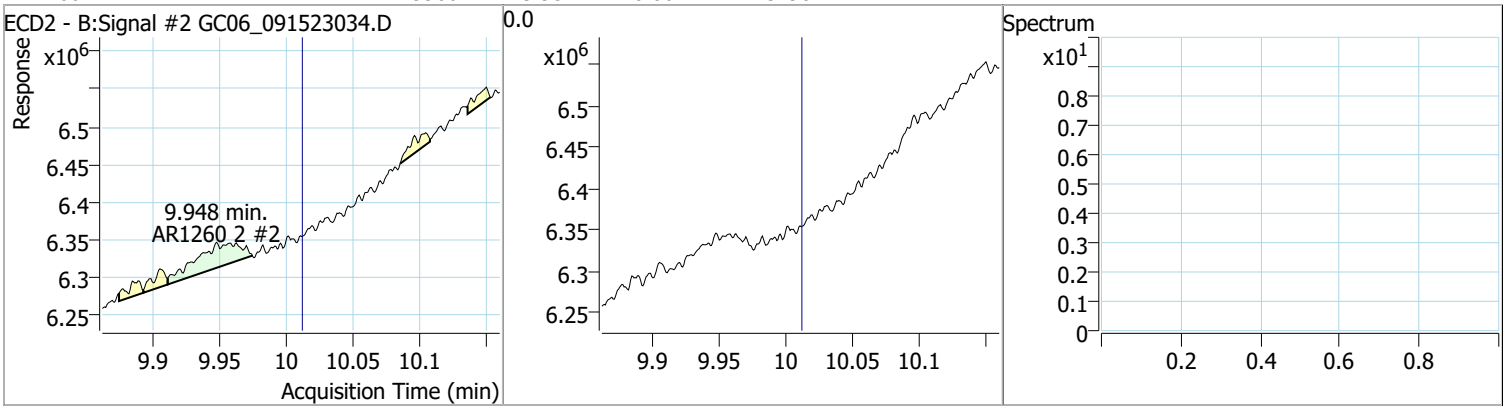
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	17.8903	9.81	0.07	585856				



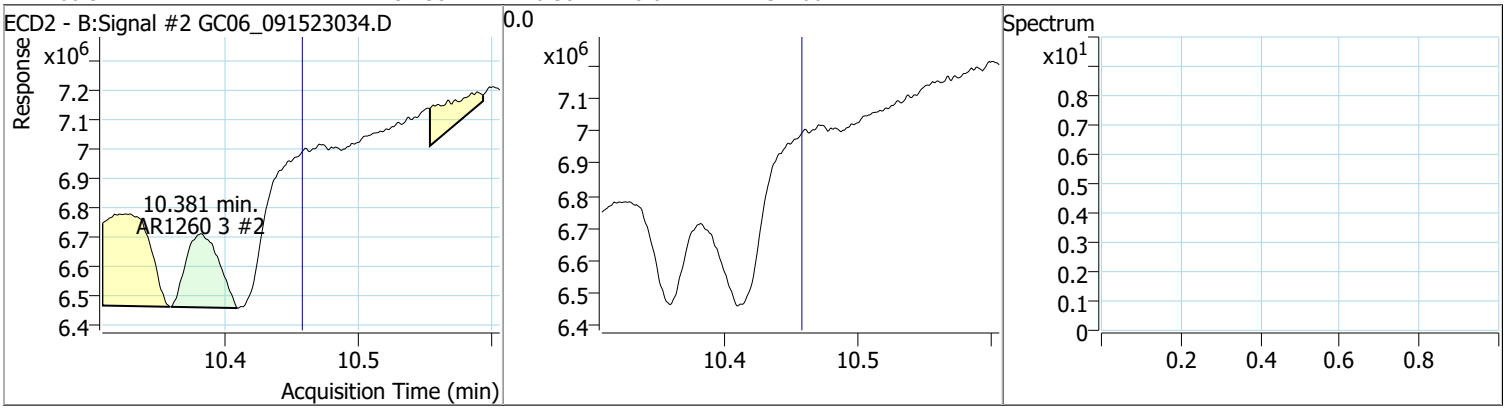
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	79.4111	9.95	-0.06	1132390				



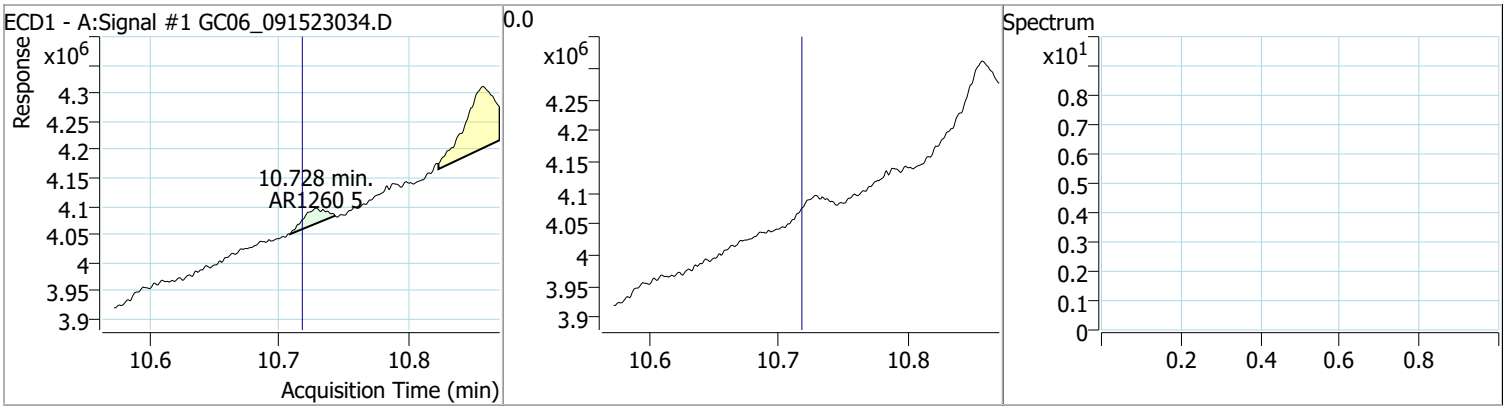
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.9906	9.95	-0.06	73498				



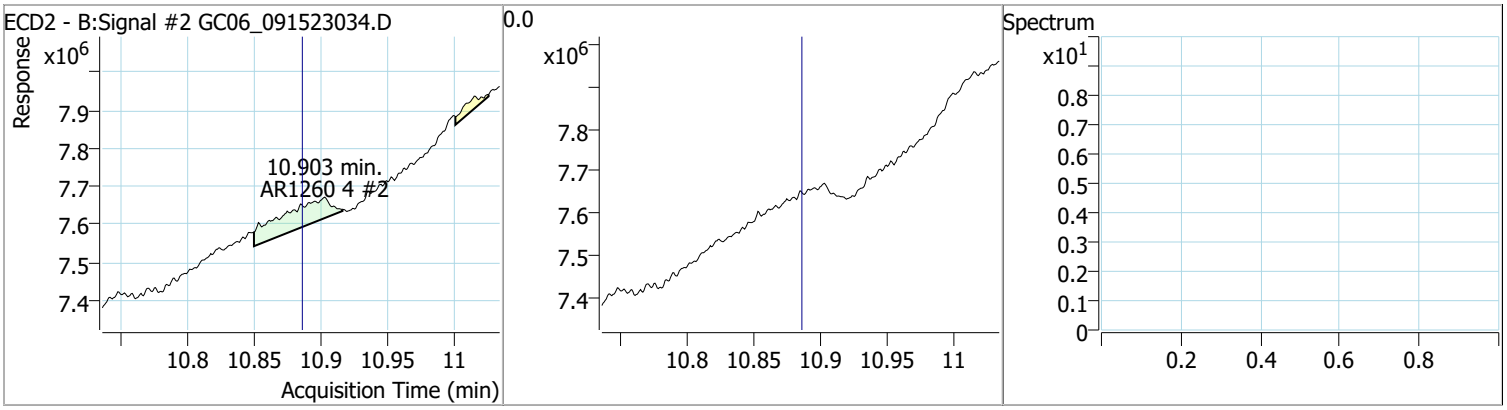
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.1381	10.38	-0.07	431766				



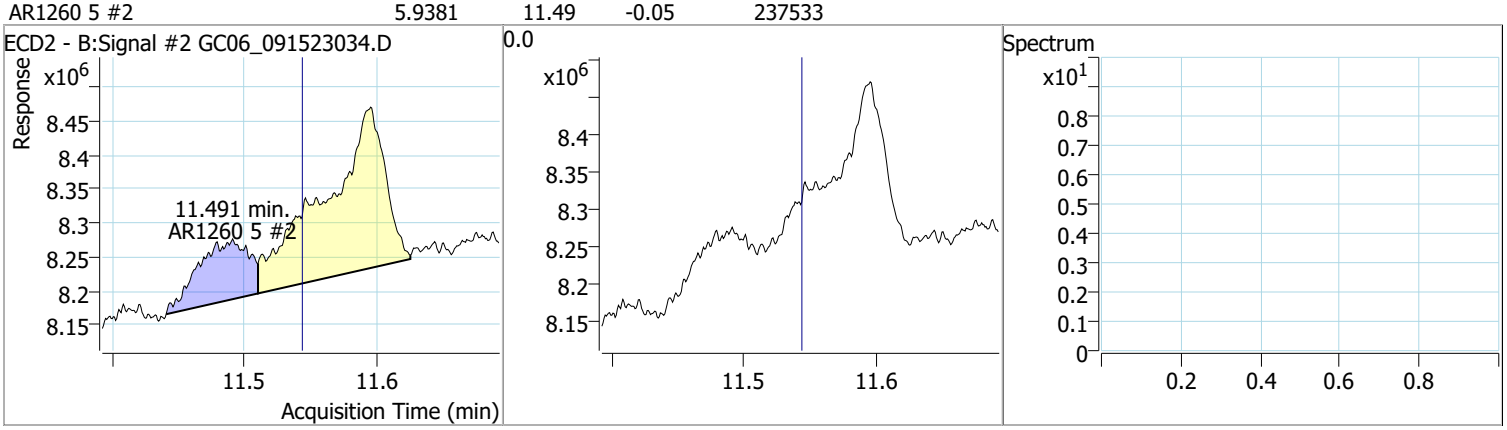
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1.4477	10.73	0.00	32642				



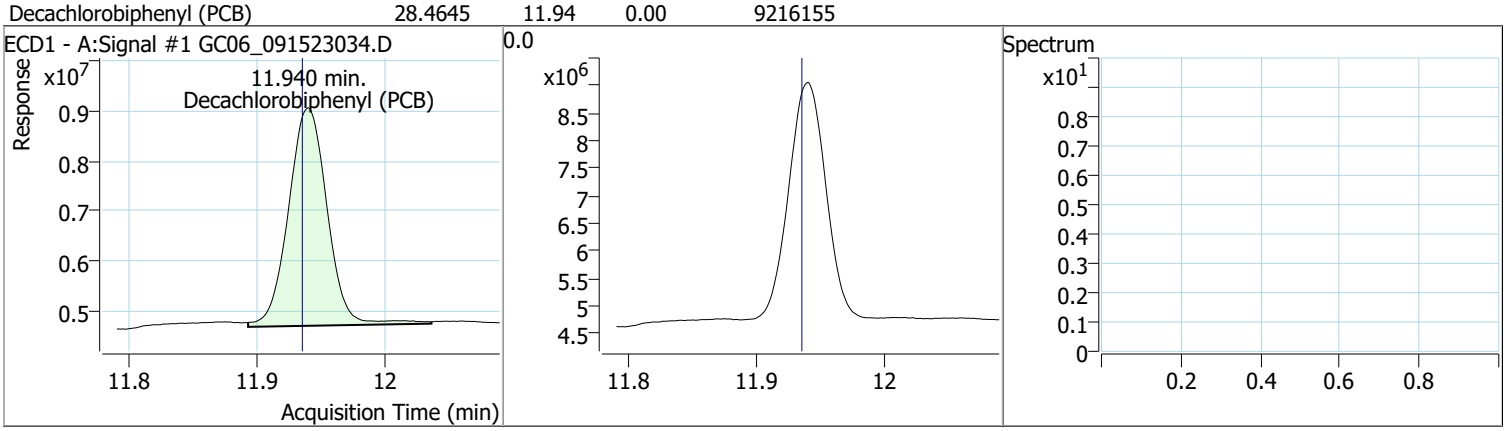
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	6.5631	10.90	0.02	181127				



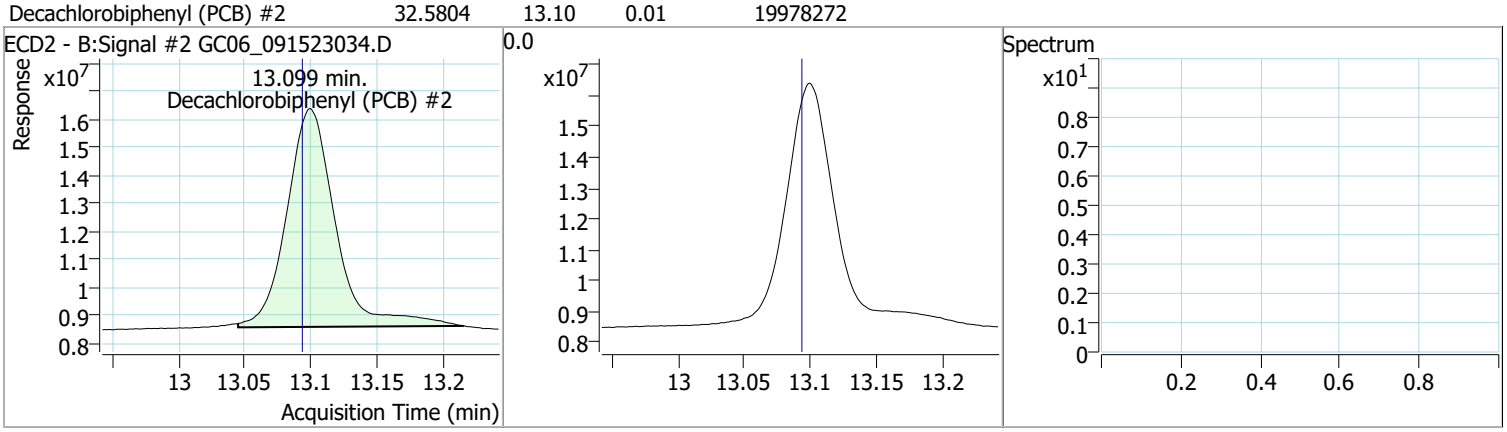
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	5.9381	11.49	-0.05	237533				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.4645	11.94	0.00	9216155				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.5804	13.10	0.01	19978272				



ENTHALPY SPIKE USER REPORT FOR 492059 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	453372148035.3	Seqnum:	453372148036.3
File:	gc06_091523035	File:	gc06_091523036
IDF:	1.0	IDF:	1.0
Lab ID:	QC1093863	Lab ID:	QC1093864
Matrix:	Wipe	Matrix:	Wipe
Batch:	322492	Batch:	322492
Time:	15-SEP-2023 20:49	Time:	15-SEP-2023 21:07
Cal:	453205686001	Cal:	453205686001
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	380.7	3.807	B	76	363.6	3.636	B	73	60-140	5	20	u
Aroclor-1016 Peak # 1		345.5	3.455	B		332.2	3.322	B					
Aroclor-1016 Peak # 2		329.7	3.297	B		316.2	3.162	B					
Aroclor-1016 Peak # 3		362.2	3.622	B		342.0	3.420	B					
Aroclor-1016 Peak # 4		341.1	3.411	B		325.8	3.258	B					
Aroclor-1016 Peak # 5		524.8	5.248	B		501.9	5.019	B					
Aroclor-1260	5.000	357.5	3.575	B	72	331.6	3.316	B	66	60-140	8	20	u
Aroclor-1260 Peak # 1		367.4	3.674	B		345.3	3.453	B					
Aroclor-1260 Peak # 2		380.4	3.804	B		360.1	3.601	B					
Aroclor-1260 Peak # 3		396.6	3.966	B		358.8	3.588	B					
Aroclor-1260 Peak # 4		300.0	3.000	B		282.6	2.826	B					
Aroclor-1260 Peak # 5		343.2	3.432	B		311.2	3.112	B					
Surrogates													
TCMX (PCB)	0.5000	30.83	0.3083	B	62	29.53	0.2953	B	59	19-121			c- u
Decachlorobiphenyl (PCB)	0.5000	32.94	0.3294	B	66	28.18	0.2818	B	56	19-121			u

ISTD (CCV gc06_091523004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10054932	11890545	18.26
1-bromo-2-nitrobenzene (PCB)	A	3904319	4927001	26.19

ISTD (CCV gc06_091523004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

ISTD (CCV gc06_091523004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10054932	12146173	20.80
1-bromo-2-nitrobenzene (PCB)	A	3904319	4915835	25.91

ISTD (CCV gc06_091523004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.15	4.15	0.00

09/18/23 : WIPE/1S-10ML [general version]

MES 09/19/23 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A for spike & dup. [general version]

TRN 09/19/23 [Aroclor-1260 Peak # 4 B]: Corrected fronting or tailing peak integration for Ch. B for spike & dup. [general version]

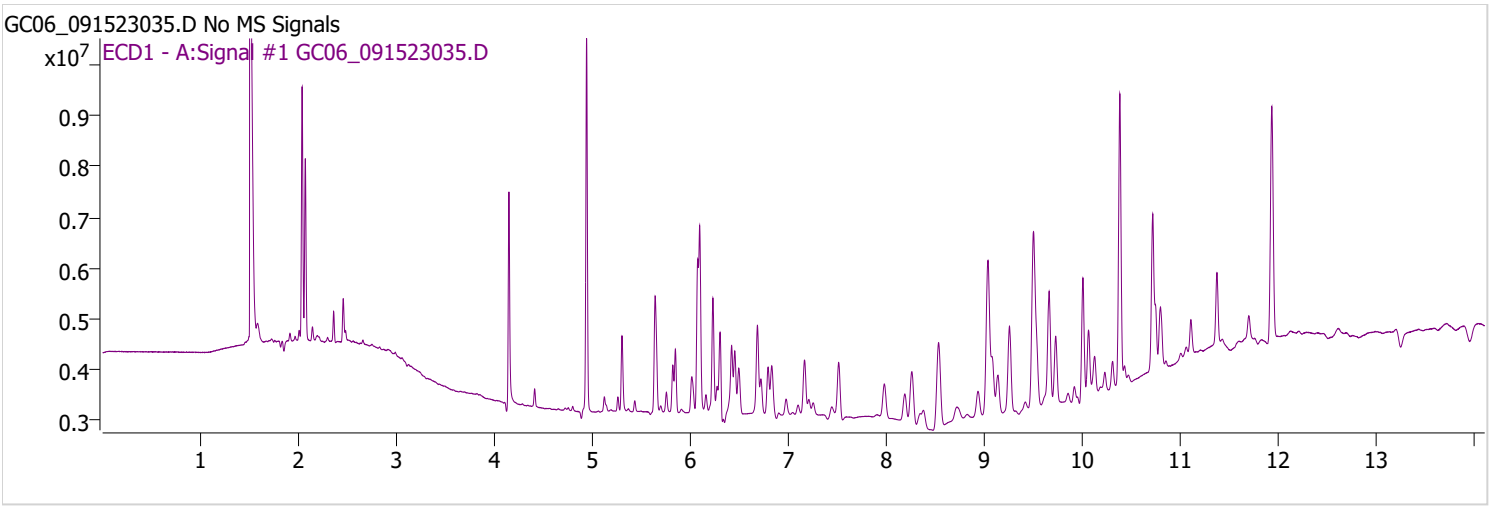
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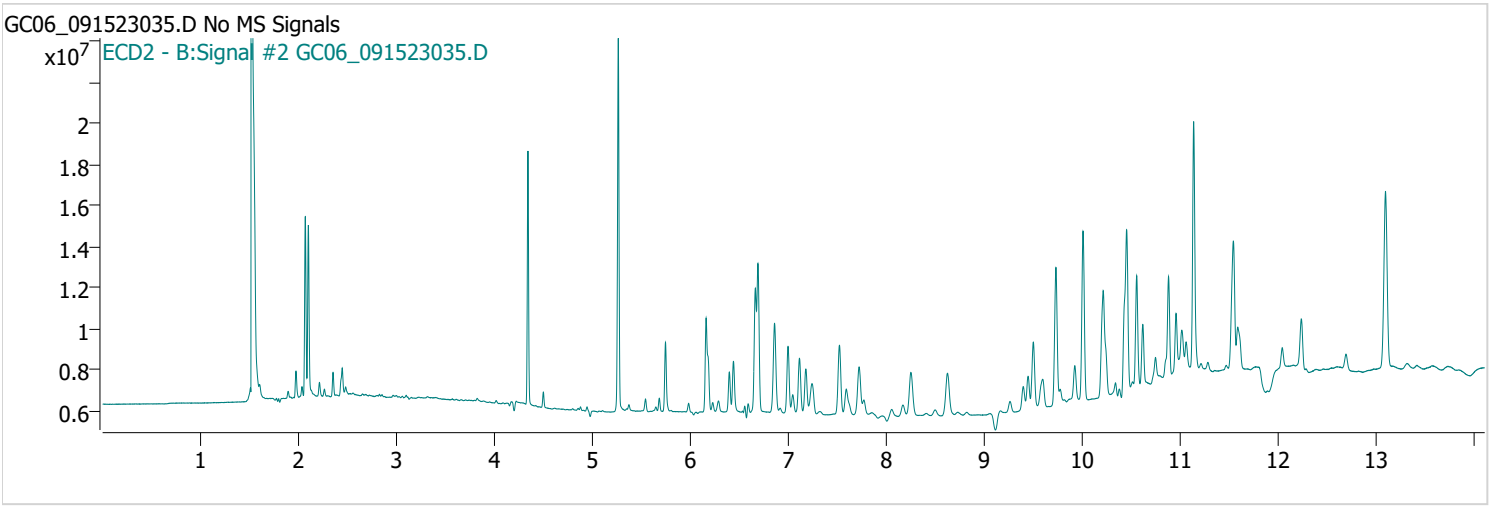
Analyst: MES 09/19/23 *

Reviewer: MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523035.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/15/2023 8:49:16 PM
Sample Name	QC1093863, 322492, 1	Instrument	SVOA-GC06
Vial	32	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



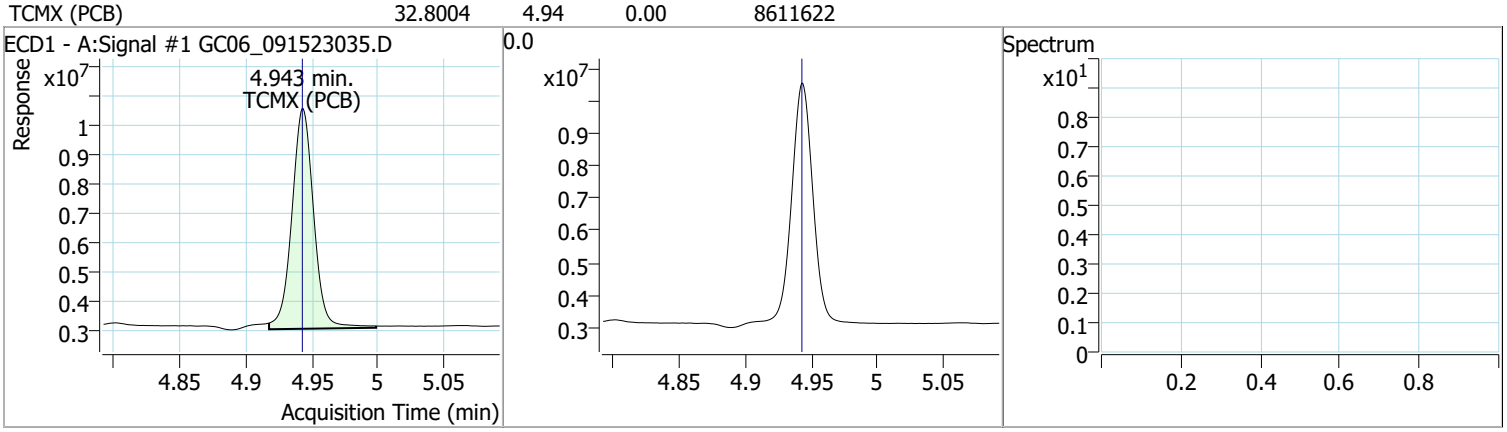


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.150	0.0	4927001.331	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	11890545.228	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	8611622.142	32.8004	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.00%		*	
S TCMX (PCB) #2	5.267	0.0	19446986.708	30.8321	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.16%		*	
S Decachlorobiphenyl (PCB)	11.940	0.0	9371368.866	28.5040	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.52%			
S Decachlorobiphenyl (PCB) #2	13.100	0.0	20685146.991	32.9420	ng/ml		0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.71%		*	
Target Compounds							QValue

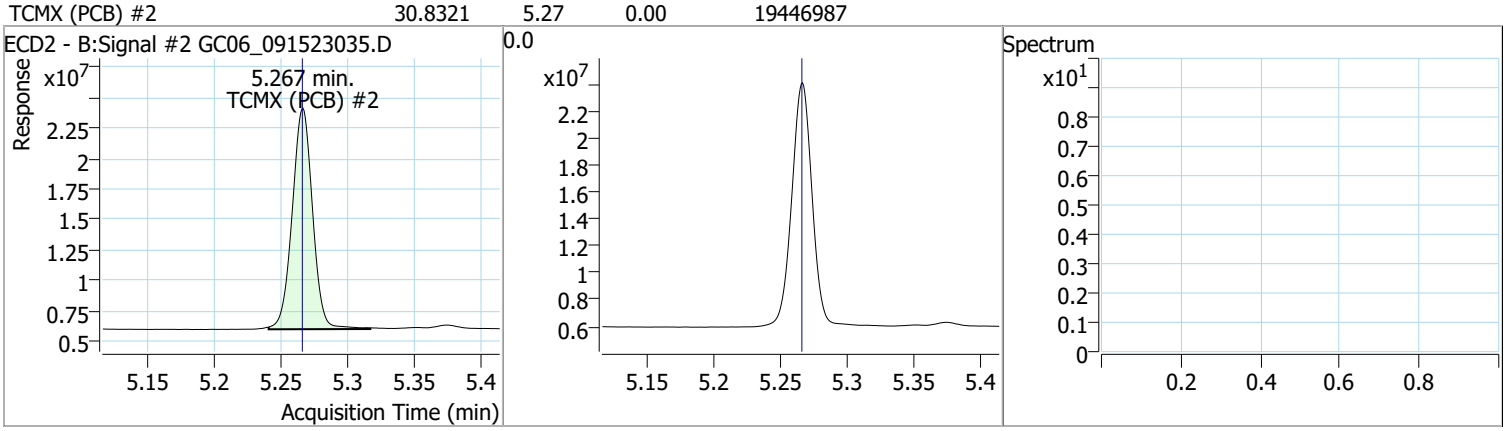
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.304	0.0	1954522.103	355.6661	ng/ml		100
T AR1016 2	5.643	0.0	4086848.568	366.3141	ng/ml		100
T AR1016 1 #2	5.748	0.0	4279319.727	345.5218	ng/ml		100
T AR1016 3	6.098	0.0	5303990.311	371.9507	ng/ml	m	100
T AR1016 2 #2	6.163	0.0	9172851.741	329.7072	ng/ml		100
T AR1016 4	6.233	0.0	3628164.981	422.1261	ng/ml		100
T AR1016 5	6.687	0.0	3088045.391	469.7738	ng/ml		100
T AR1016 3 #2	6.693	0.0	12125431.697	362.2015	ng/ml		100
T AR1016 4 #2	6.862	0.0	8219891.853	341.1471	ng/ml		100
T AR1016 5 #2	7.525	0.0	6744515.777	524.7601	ng/ml		100
T AR1260 1	8.537	0.0	4472483.585	274.5012	ng/ml		100
T AR1260 2	9.042	0.0	9982135.383	401.3225	ng/ml		100
T AR1260 3	9.507	0.0	10275773.661	386.6322	ng/ml		100
T AR1260 1 #2	9.735	0.0	12321188.350	367.4280	ng/ml		100
T AR1260 4	10.011	0.0	4247272.296	293.3214	ng/ml		100
T AR1260 2 #2	10.012	0.0	14381965.430	380.3885	ng/ml		100
T AR1260 3 #2	10.457	0.0	19187161.877	396.5633	ng/ml		100
T AR1260 5	10.724	0.0	7279907.643	317.9638	ng/ml		100
T AR1260 4 #2	10.885	0.0	8479228.895	300.0368	ng/ml	m	100
T AR1260 5 #2	11.547	0.0	14058664.800	343.2088	ng/ml		100

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

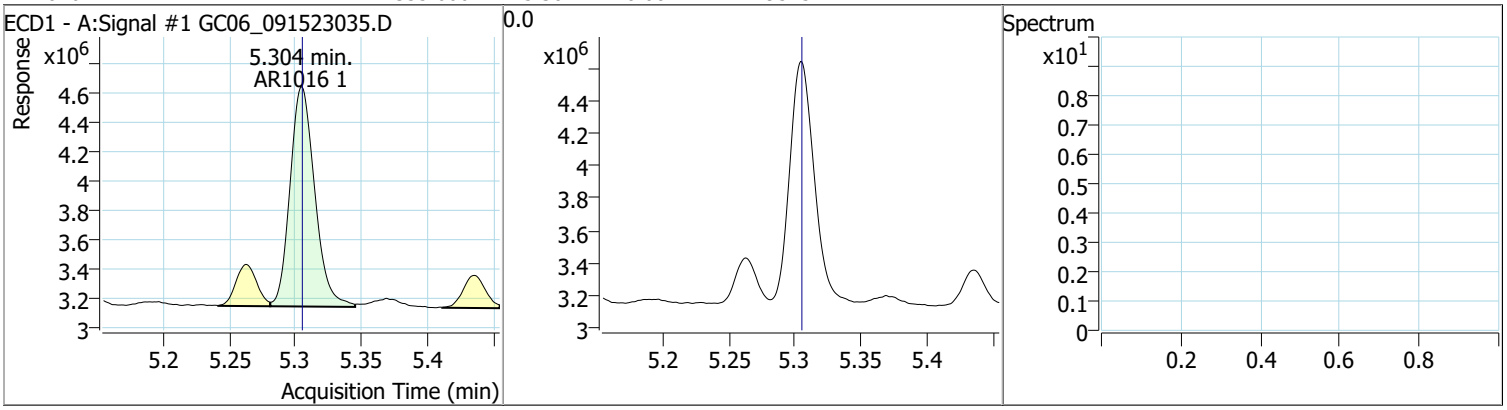
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.8004	4.94	0.00	8611622				



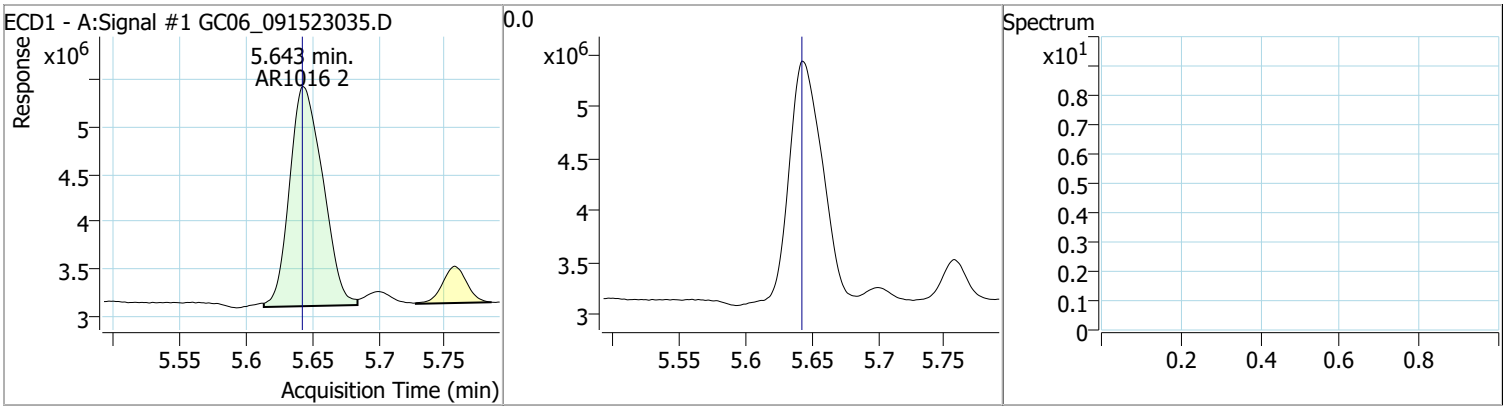
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.8321	5.27	0.00	19446987				



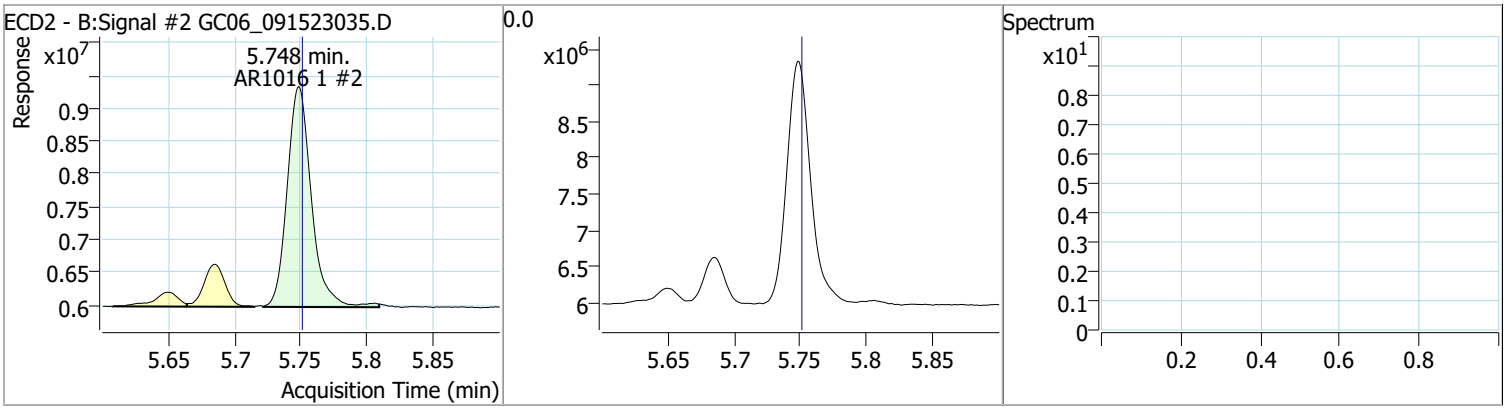
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	355.6661	5.30	0.00	1954522				



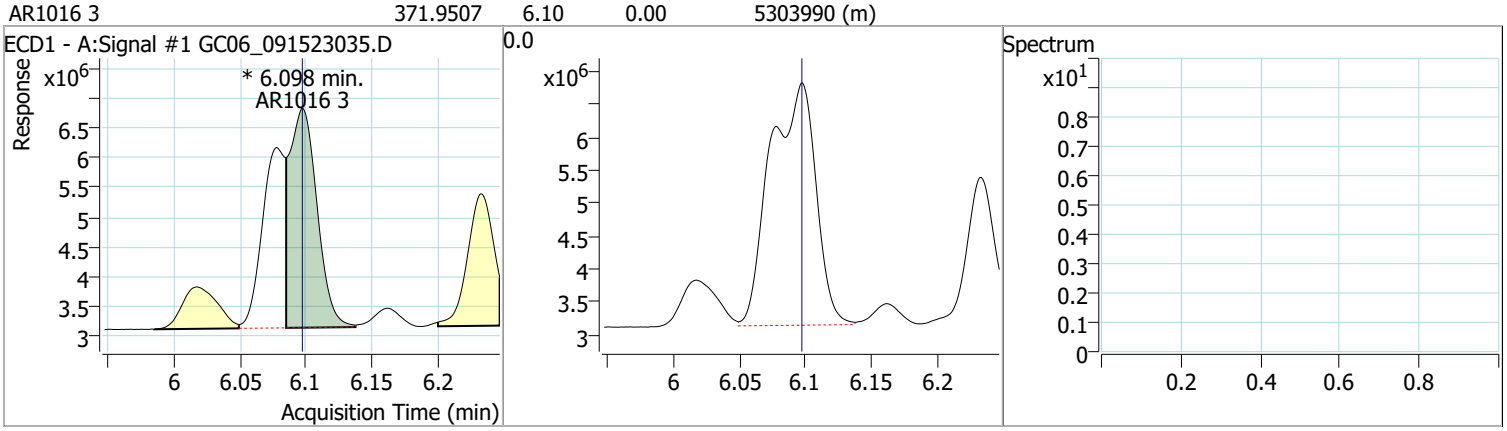
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	366.3141	5.64	0.00	4086849				



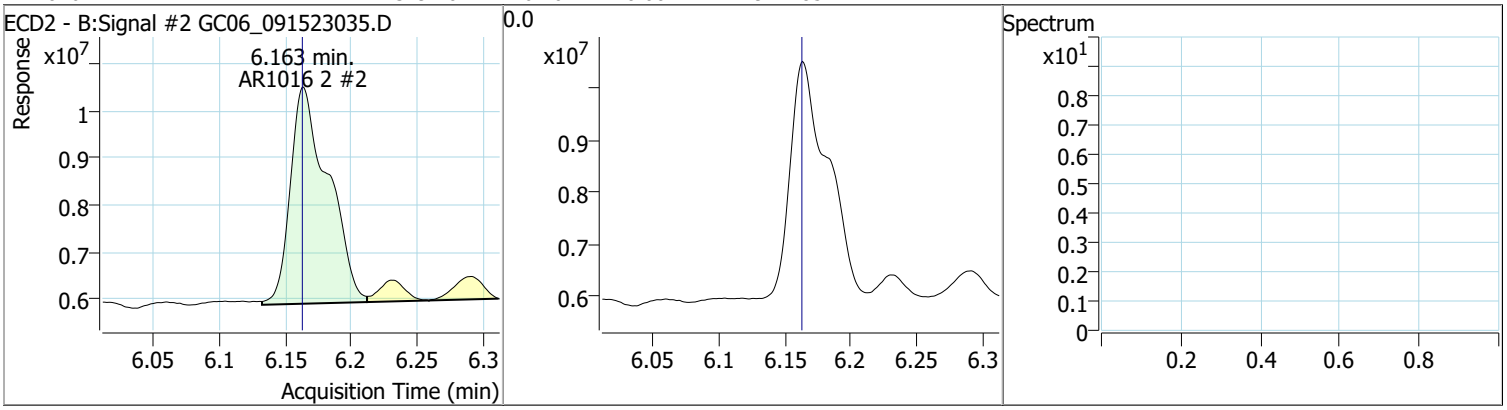
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	345.5218	5.75	0.00	4279320				



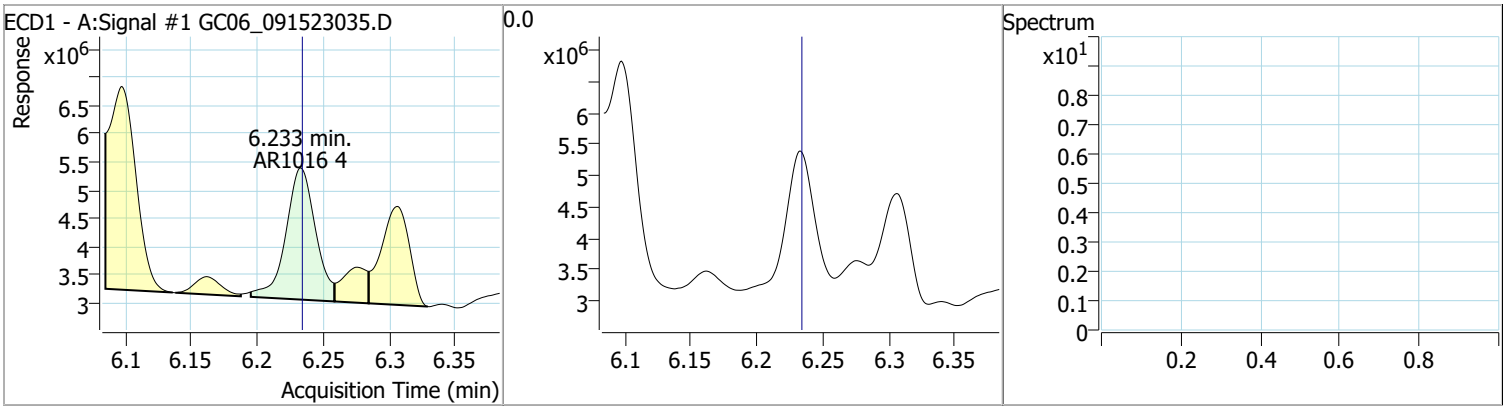
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	371.9507	6.10	0.00	5303990 (m)				



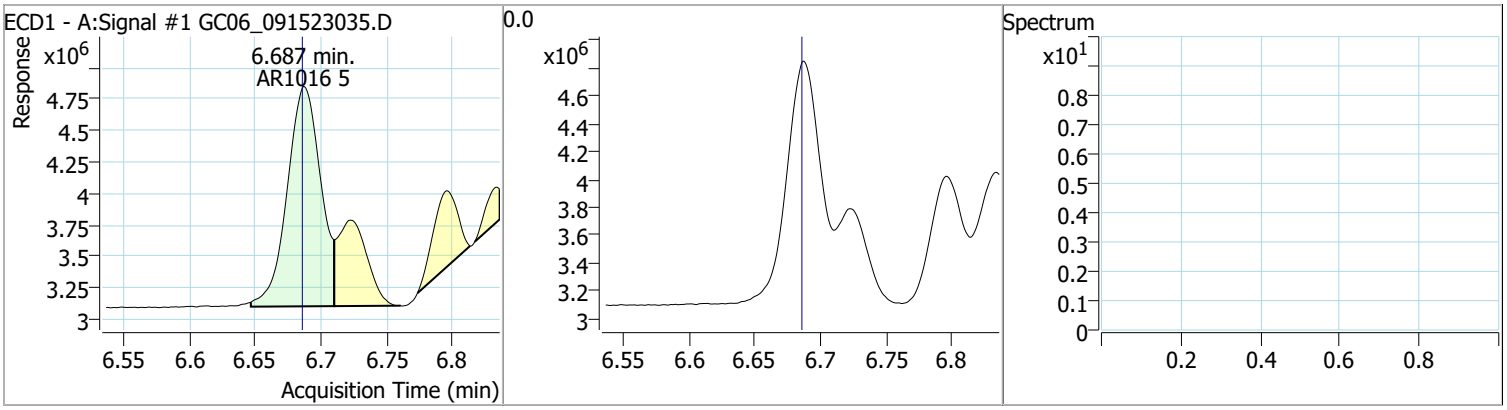
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	329.7072	6.16	0.00	9172852				



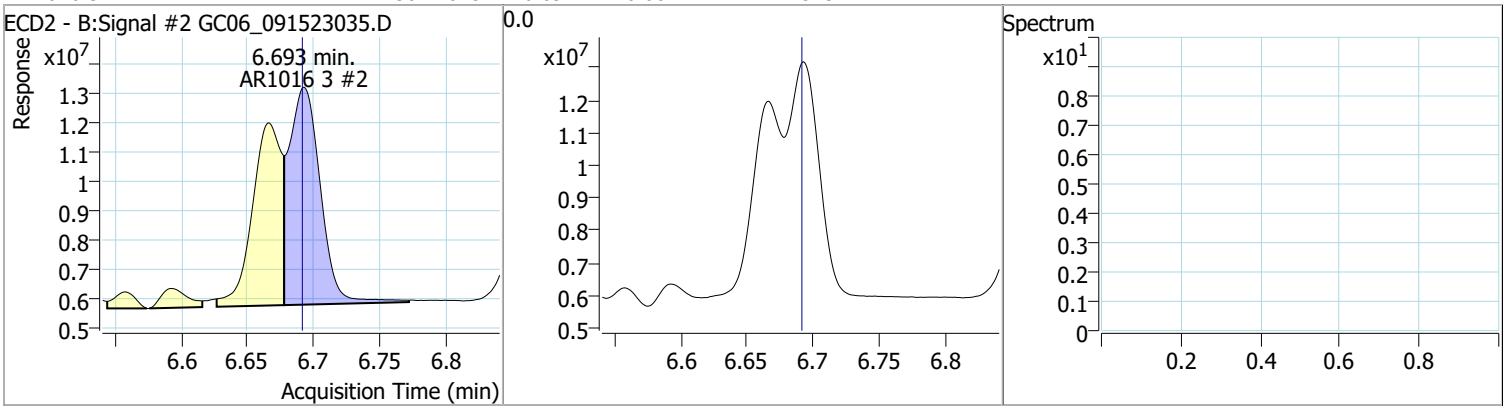
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	422.1261	6.23	0.00	3628165				



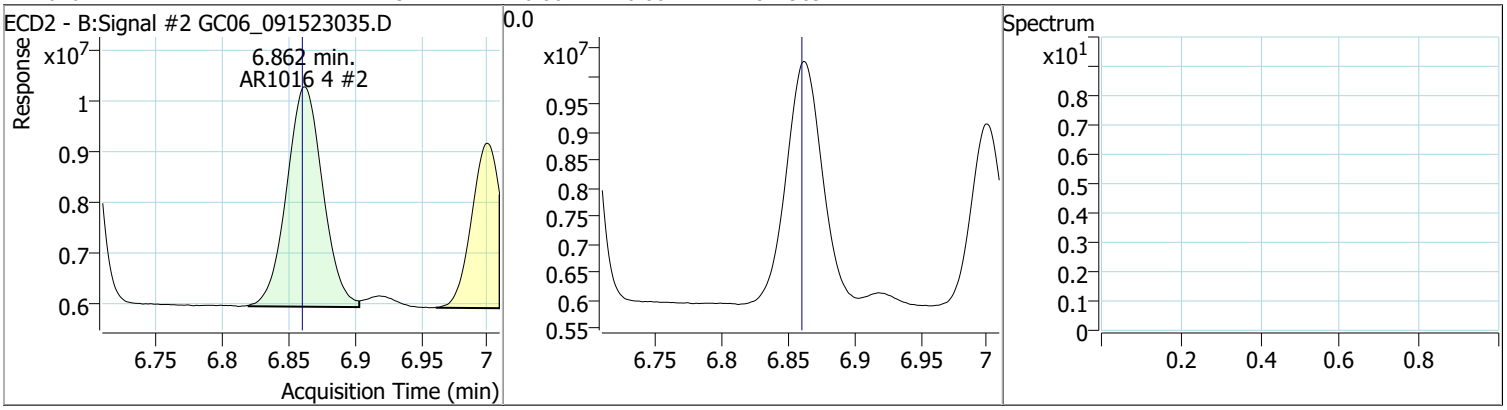
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	469.7738	6.69	0.00	3088045				



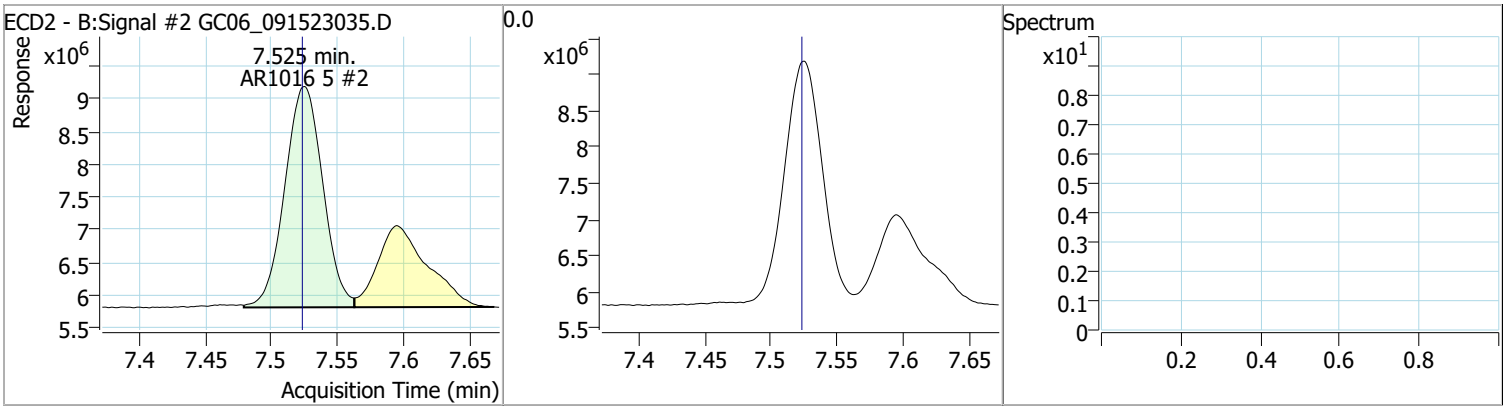
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AR1016 3 #2	362.2015	6.69	0.00	12125432				



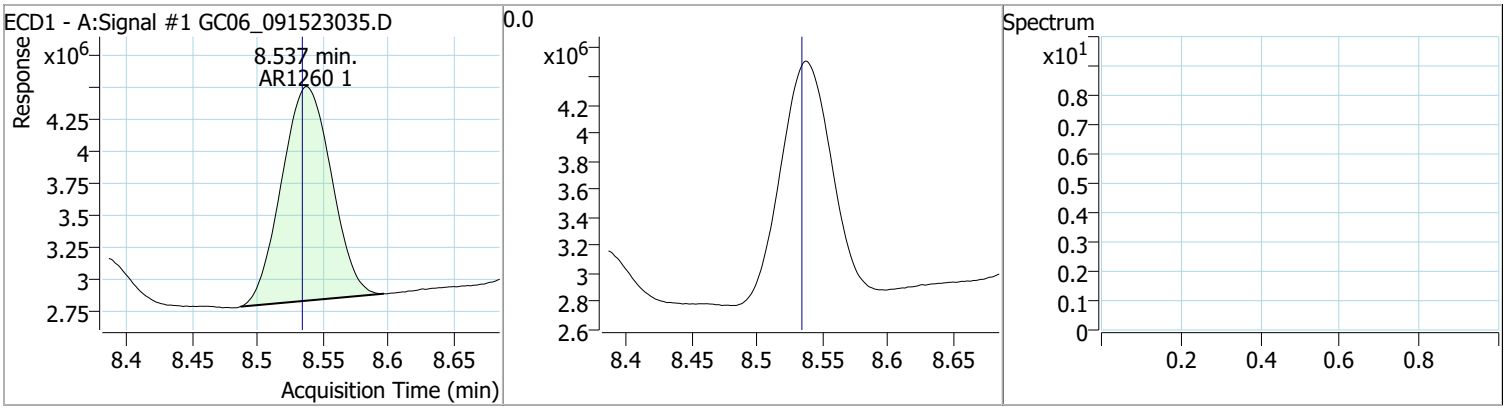
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	341.1471	6.86	0.00	8219892				



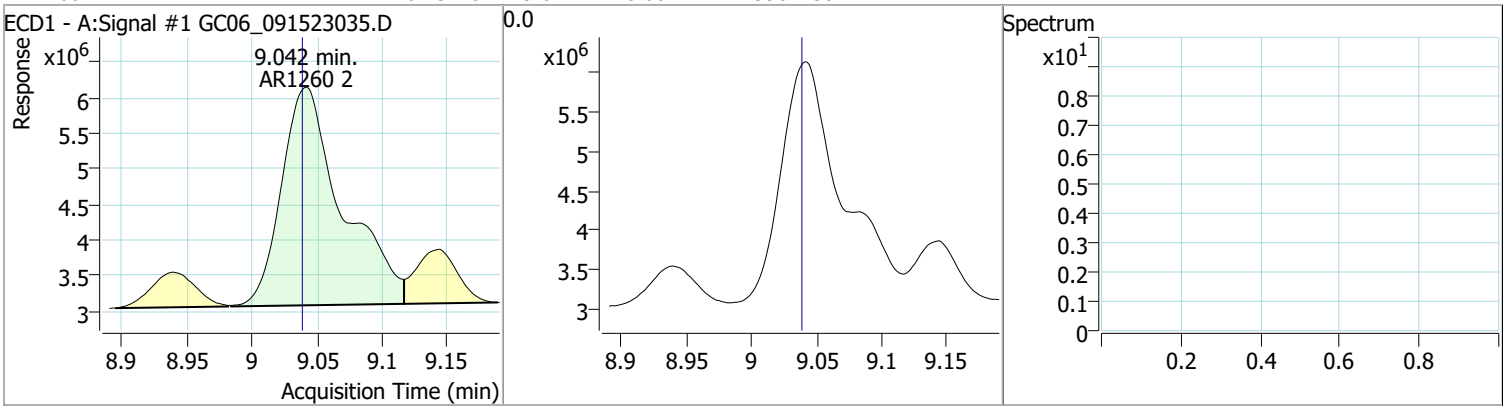
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	524.7601	7.53	0.00	6744516				



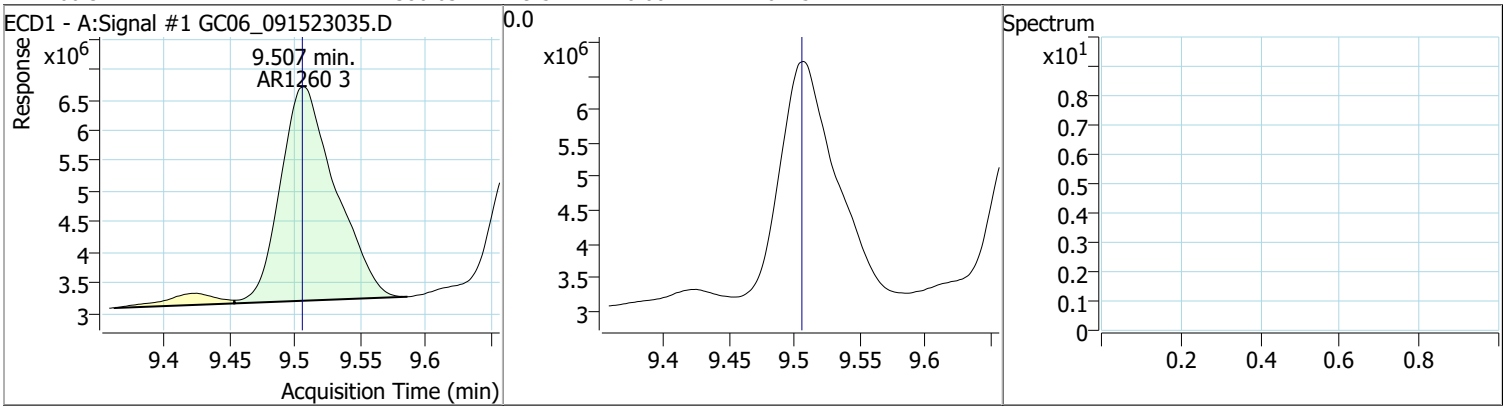
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	274.5012	8.54	0.00	4472484				



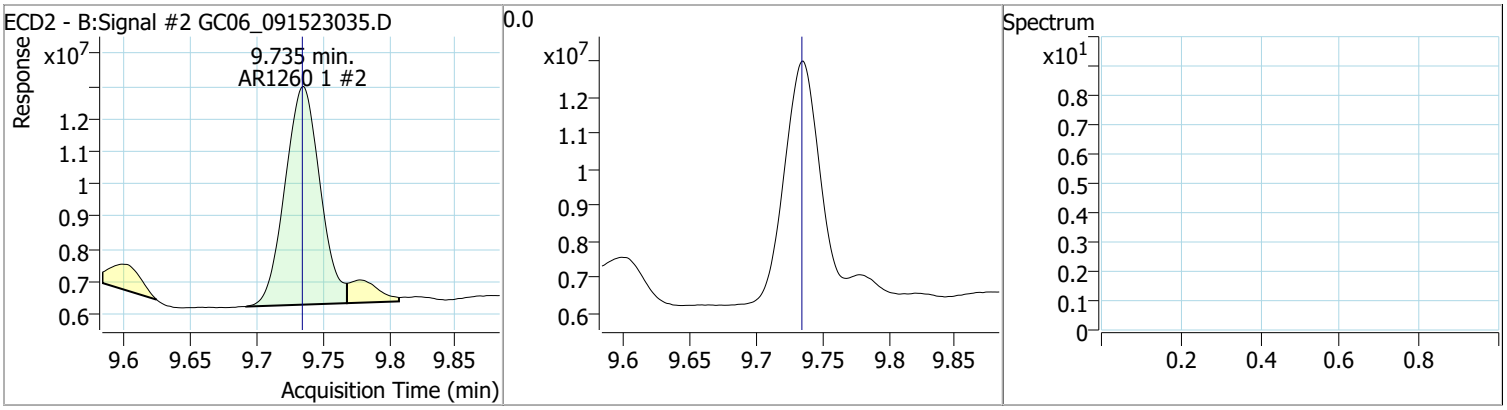
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	401.3225	9.04	0.00	9982135				



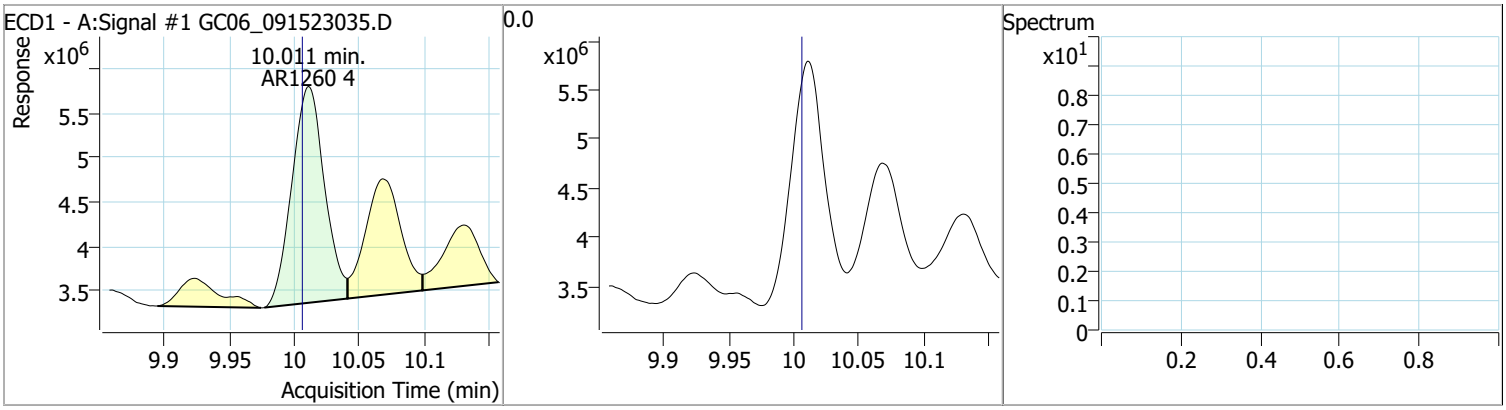
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	386.6322	9.51	0.00	10275774				



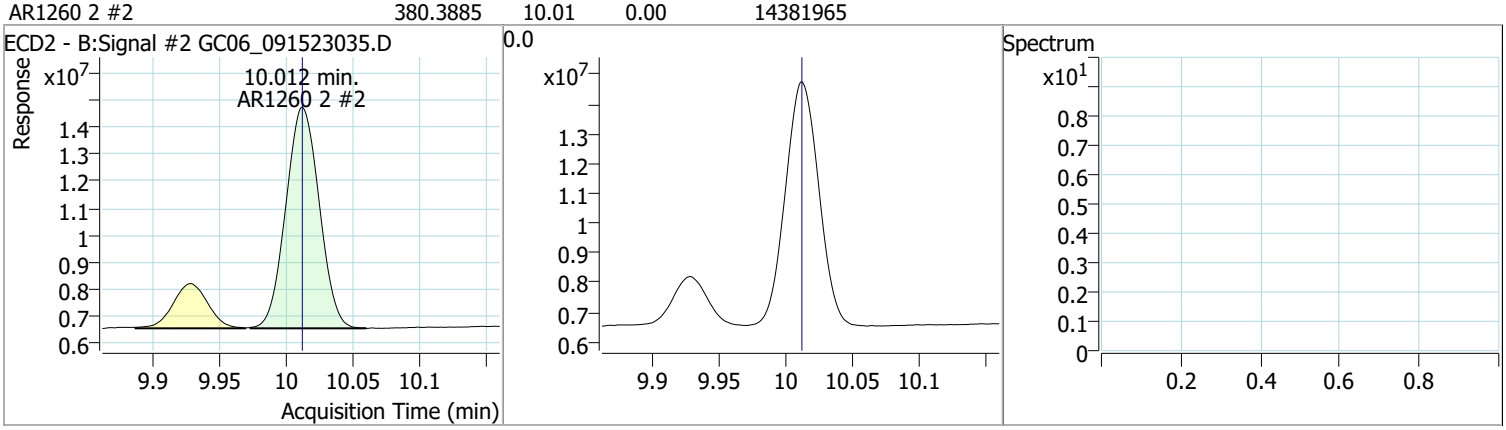
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	367.4280	9.74	0.00	12321188				



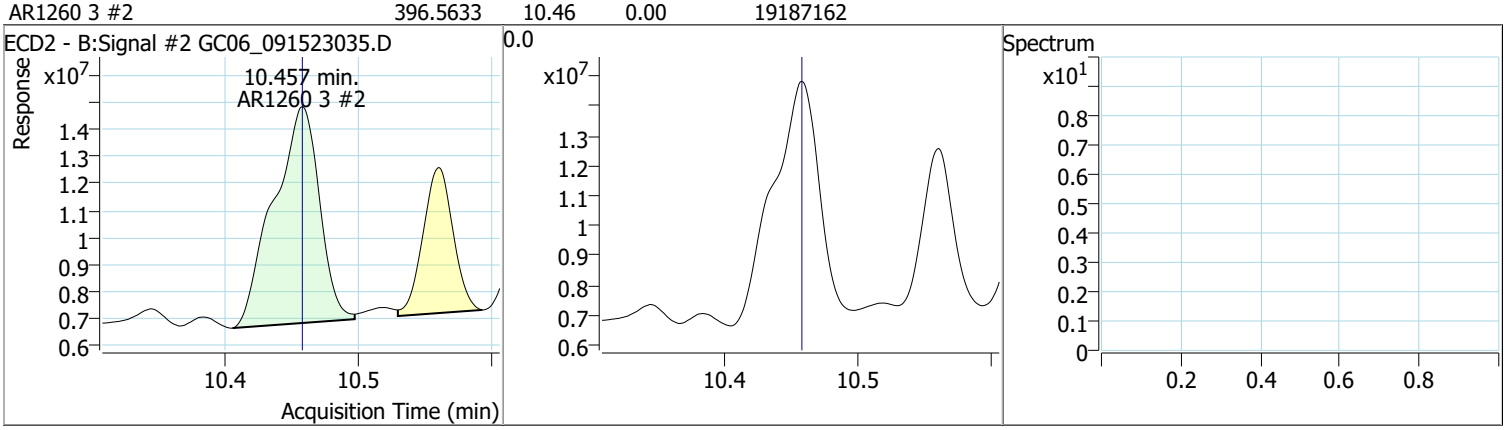
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AR1260 4	293.3214	10.01	0.00	4247272				



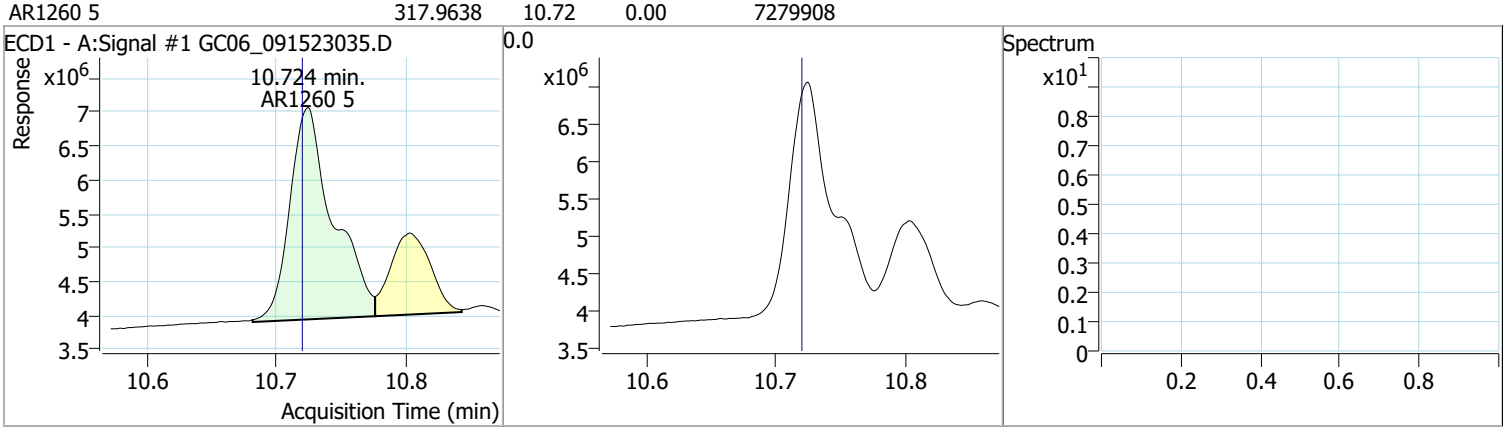
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	380.3885	10.01	0.00	14381965				



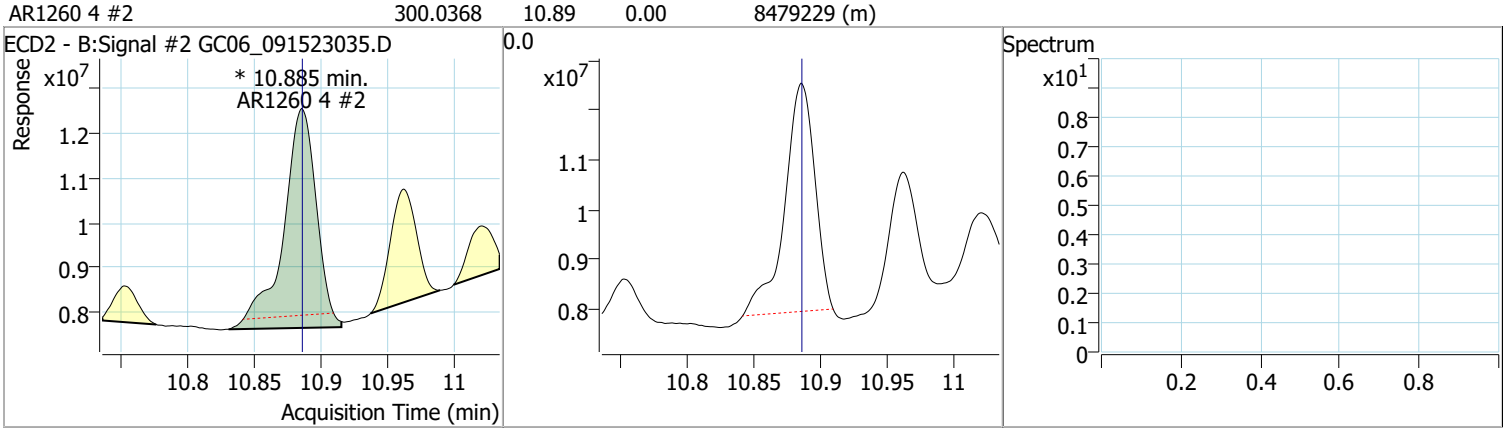
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	396.5633	10.46	0.00	19187162				



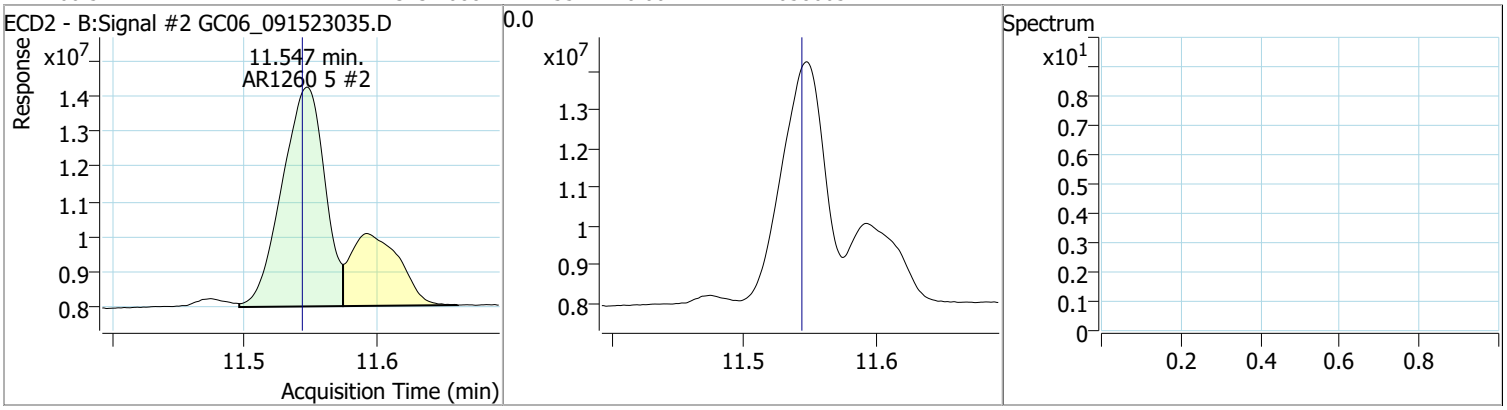
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	317.9638	10.72	0.00	7279908				



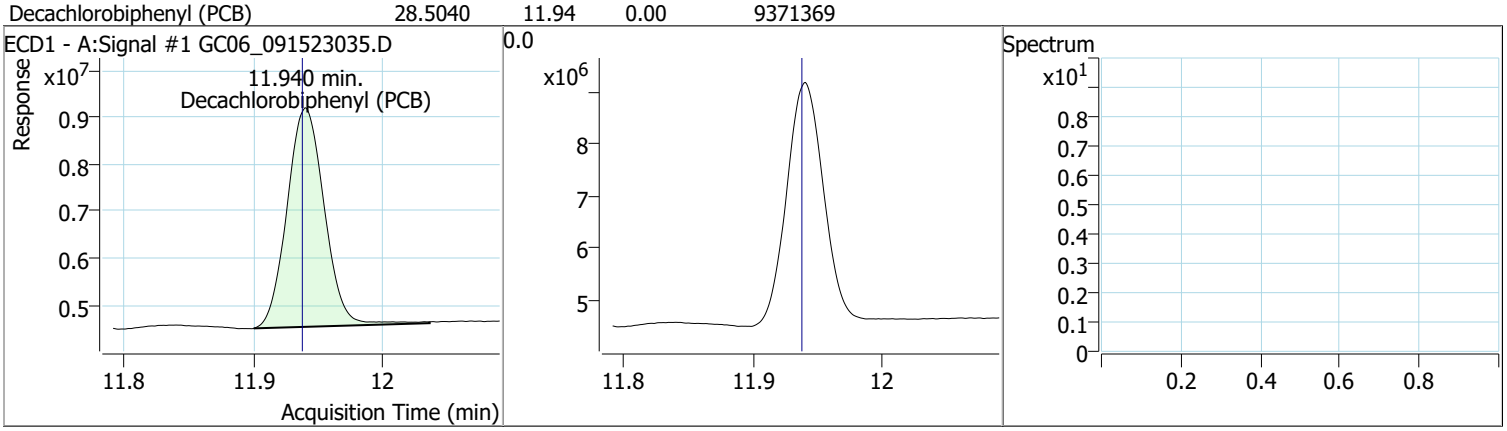
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	300.0368	10.89	0.00	8479229 (m)				



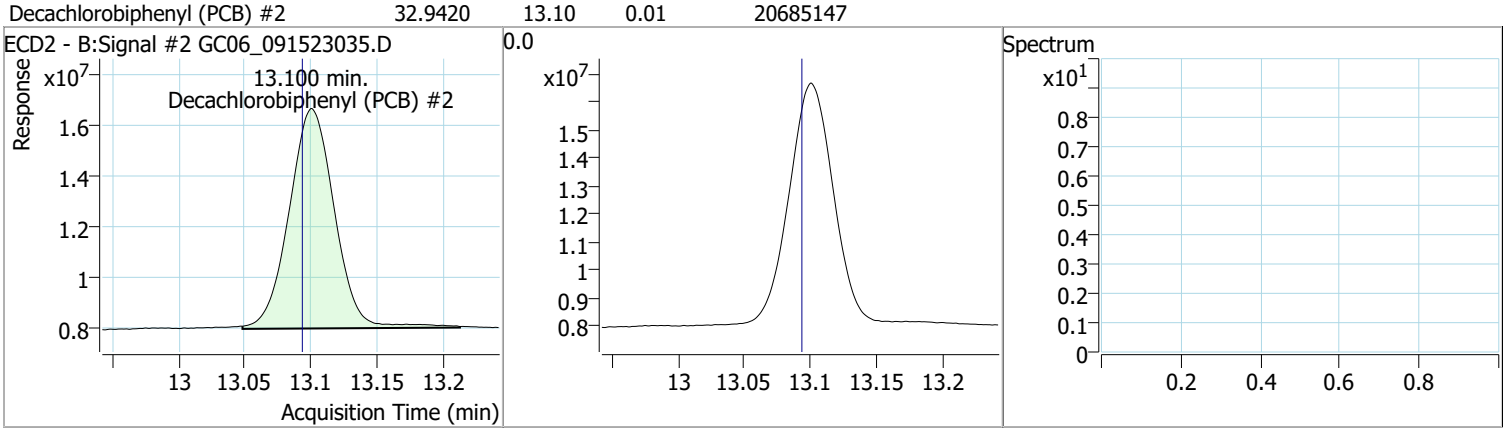
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	343.2088	11.55	0.00	14058665				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.5040	11.94	0.00	9371369				

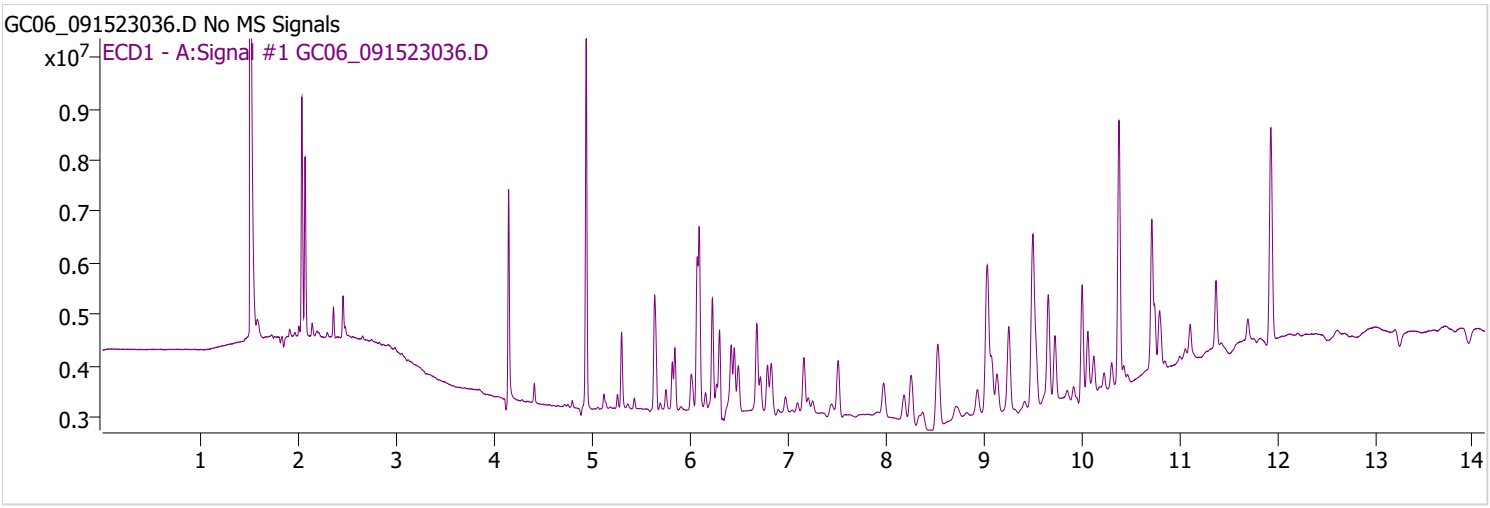


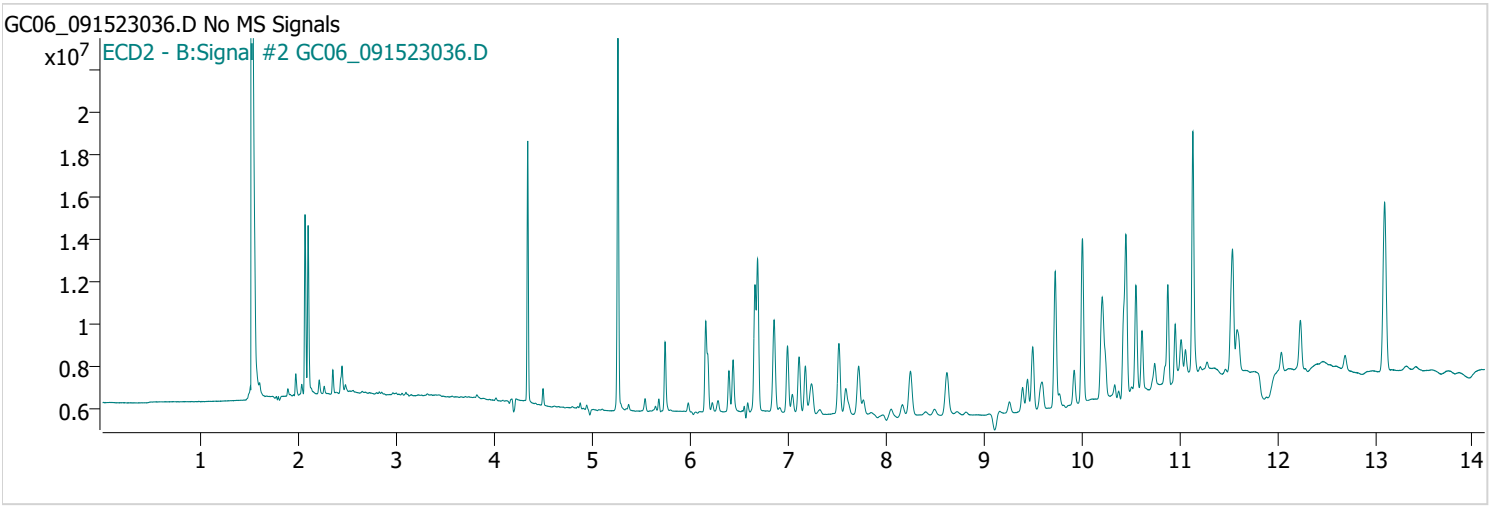
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.9420	13.10	0.01	20685147				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091523036.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/15/2023 9:07:58 PM
Sample Name	QC1093864, 322492, 1	Instrument	SVOA-GC06
Vial	33	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



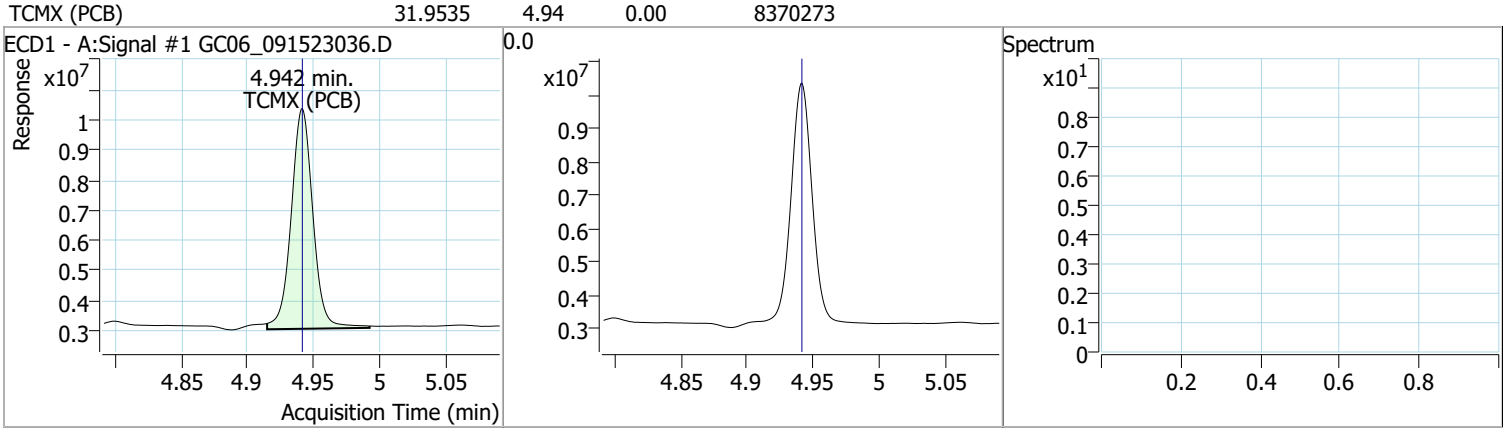


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	4915834.949	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	12146172.647	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.942	0.0	8370272.694	31.9535	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.77%		*	
S TCMX (PCB) #2	5.266	0.0	19026470.062	29.5306	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.65%			
S Decachlorobiphenyl (PCB)	11.938	0.0	8427779.182	25.6922	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.46%			
S Decachlorobiphenyl (PCB) #2	13.100	0.0	18074474.700	28.1786	ng/ml		0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.89%			
Target Compounds							QValue

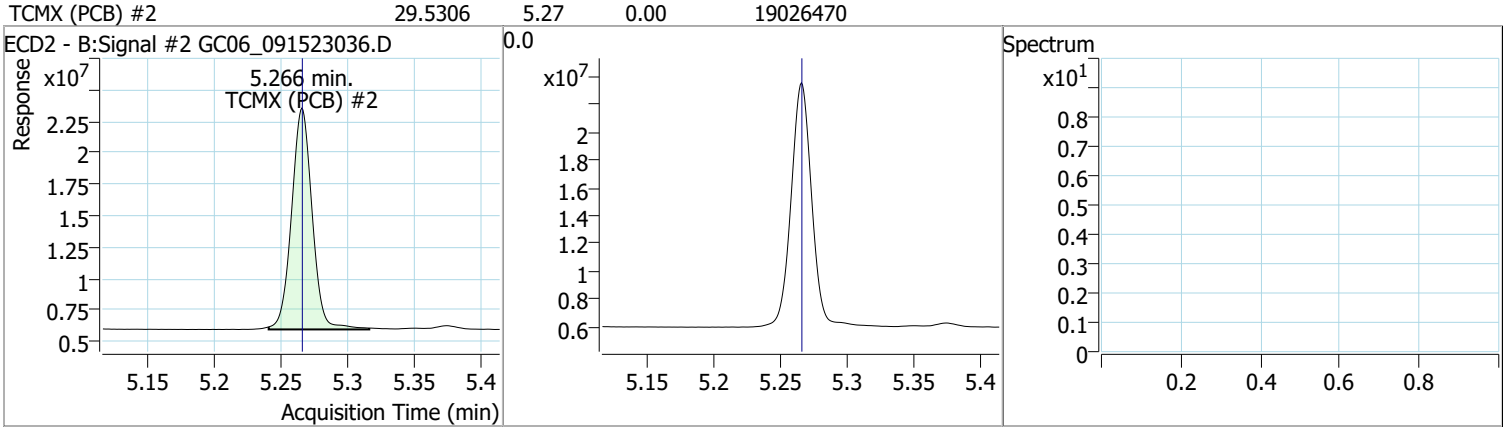
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.303	0.0	1893052.455	345.2629	ng/ml		100
T AR1016 2	5.642	0.0	3940781.883	354.0241	ng/ml		100
T AR1016 1 #2	5.748	0.0	4203378.423	332.2474	ng/ml		100
T AR1016 3	6.096	0.0	5020577.955	352.8757	ng/ml	m	100
T AR1016 2 #2	6.163	0.0	8986041.591	316.1949	ng/ml		100
T AR1016 4	6.231	0.0	3587509.379	418.3440	ng/ml		100
T AR1016 5	6.685	0.0	3005024.440	458.1825	ng/ml		100
T AR1016 3 #2	6.693	0.0	11696079.149	342.0233	ng/ml		100
T AR1016 4 #2	6.862	0.0	8018950.155	325.8032	ng/ml		100
T AR1016 5 #2	7.523	0.0	6589368.988	501.8988	ng/ml		100
T AR1260 1	8.534	0.0	4281360.870	263.3678	ng/ml		100
T AR1260 2	9.039	0.0	9592313.778	386.5261	ng/ml		100
T AR1260 3	9.507	0.0	9373601.622	353.4886	ng/ml		100
T AR1260 1 #2	9.734	0.0	11829505.544	345.3414	ng/ml		100
T AR1260 4	10.009	0.0	4016577.001	278.0194	ng/ml		100
T AR1260 2 #2	10.013	0.0	13908944.836	360.1353	ng/ml		100
T AR1260 3 #2	10.456	0.0	17732003.495	358.7748	ng/ml		100
T AR1260 5	10.722	0.0	6976625.587	305.4096	ng/ml		100
T AR1260 4 #2	10.885	0.0	8157431.919	282.5751	ng/ml	m	100
T AR1260 5 #2	11.545	0.0	13021493.372	311.1985	ng/ml		100

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

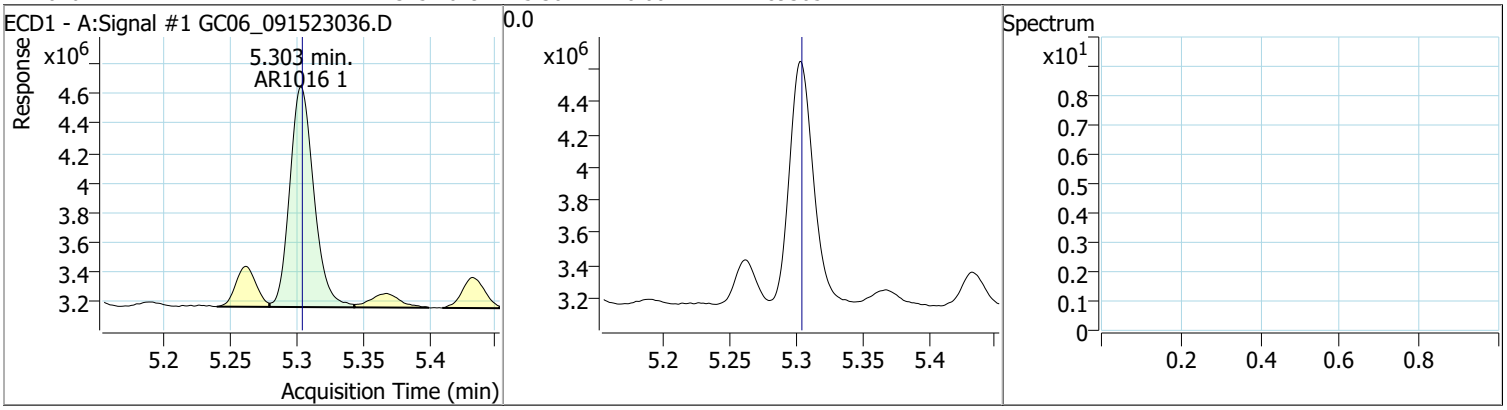
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9535	4.94	0.00	8370273				



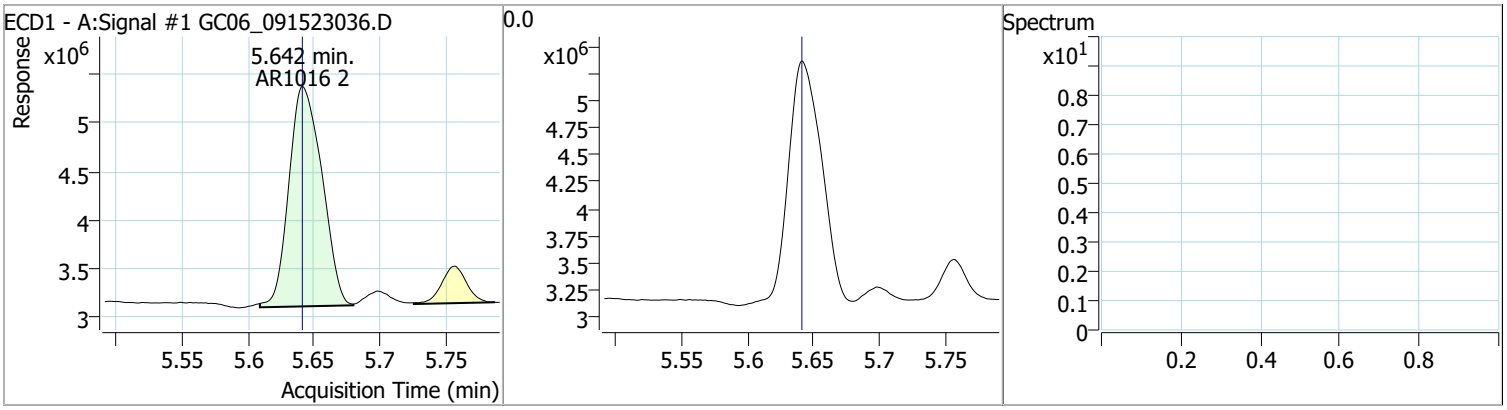
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.5306	5.27	0.00	19026470				



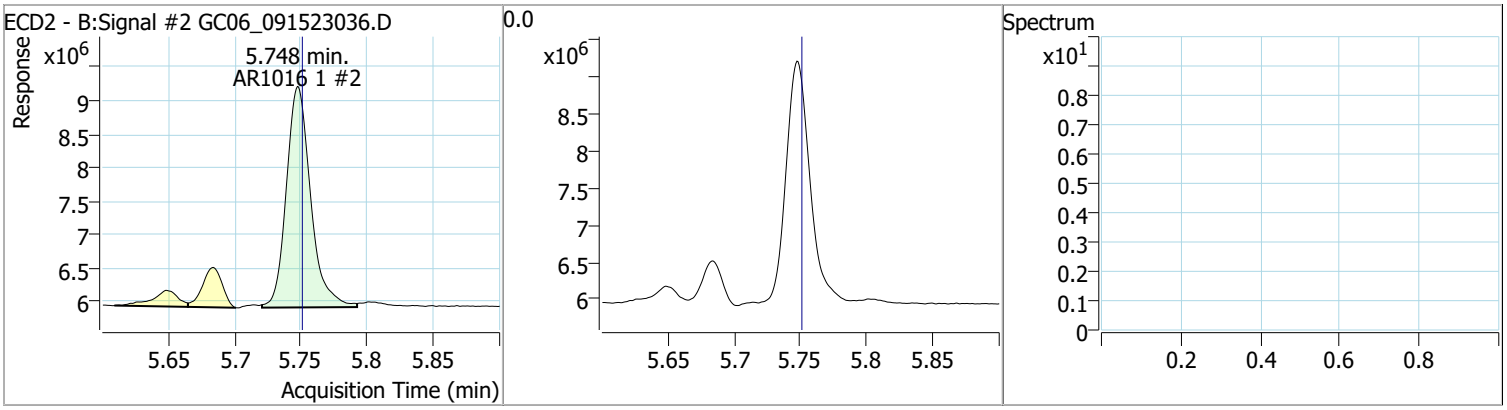
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	345.2629	5.30	0.00	1893052				



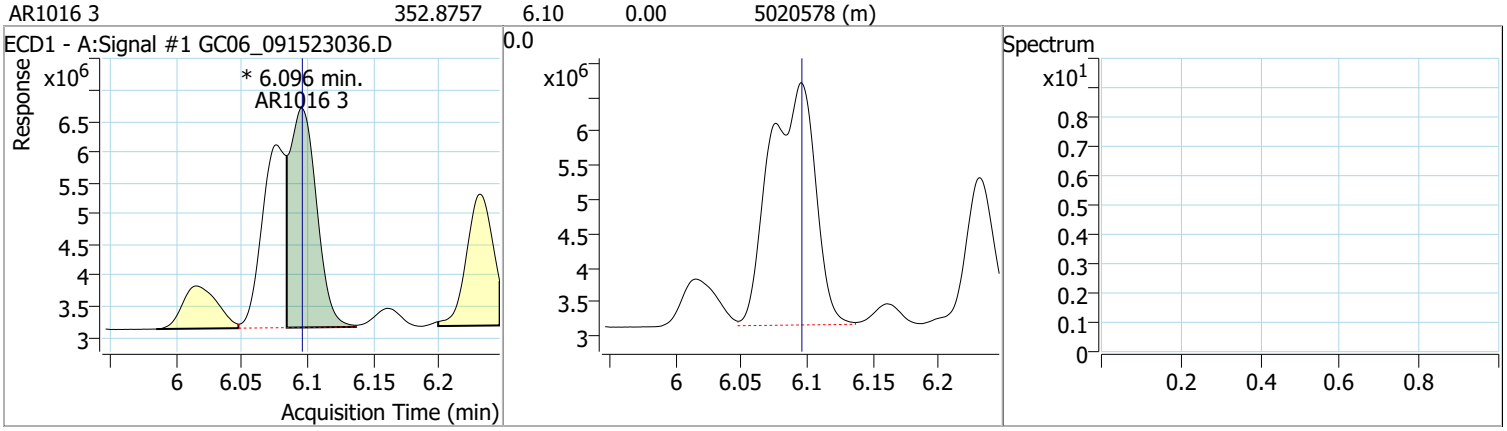
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	354.0241	5.64	0.00	3940782				



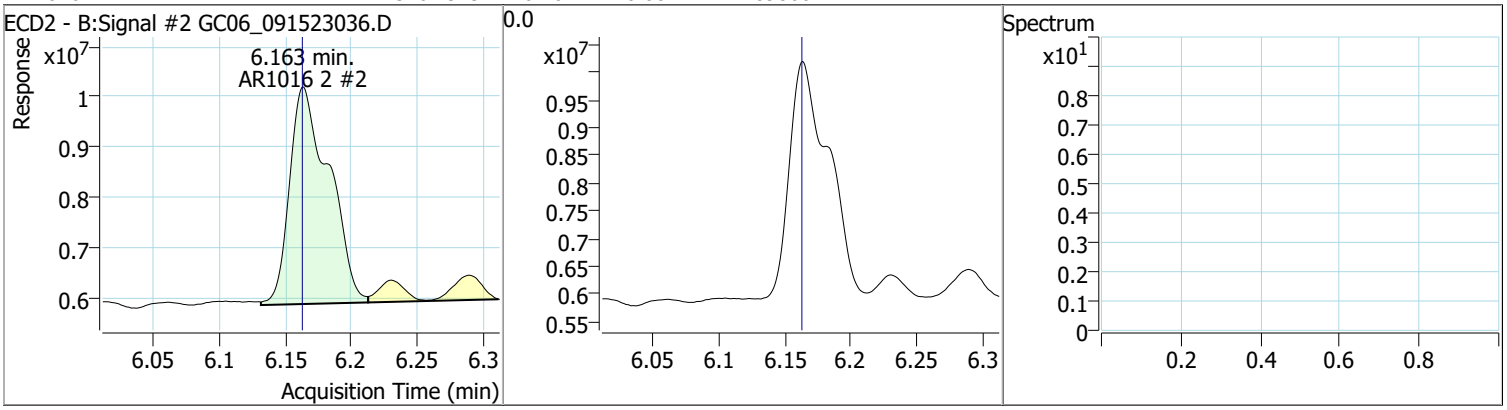
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	332.2474	5.75	0.00	4203378				



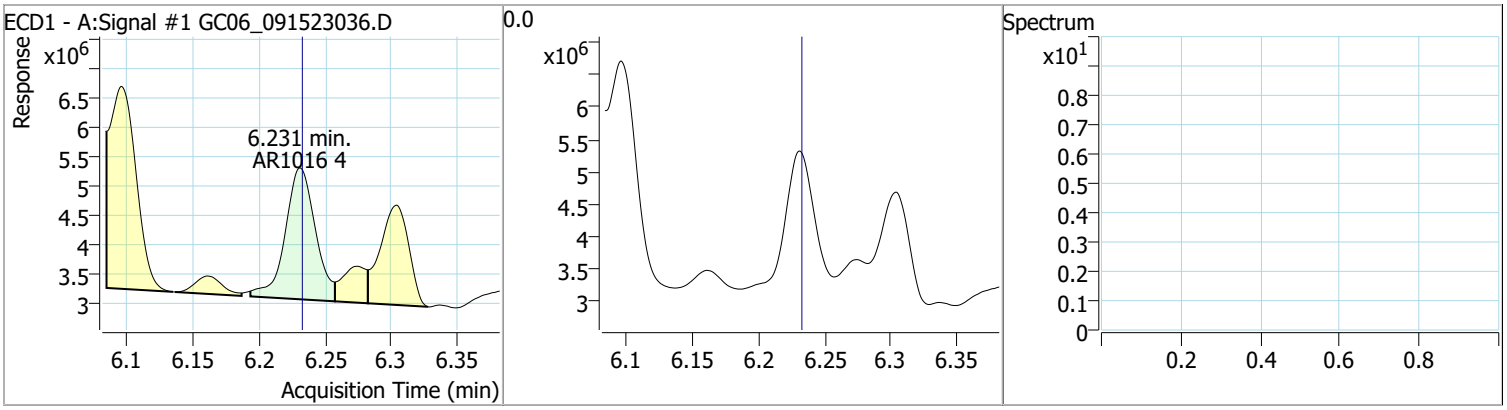
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	352.8757	6.10	0.00	5020578 (m)				



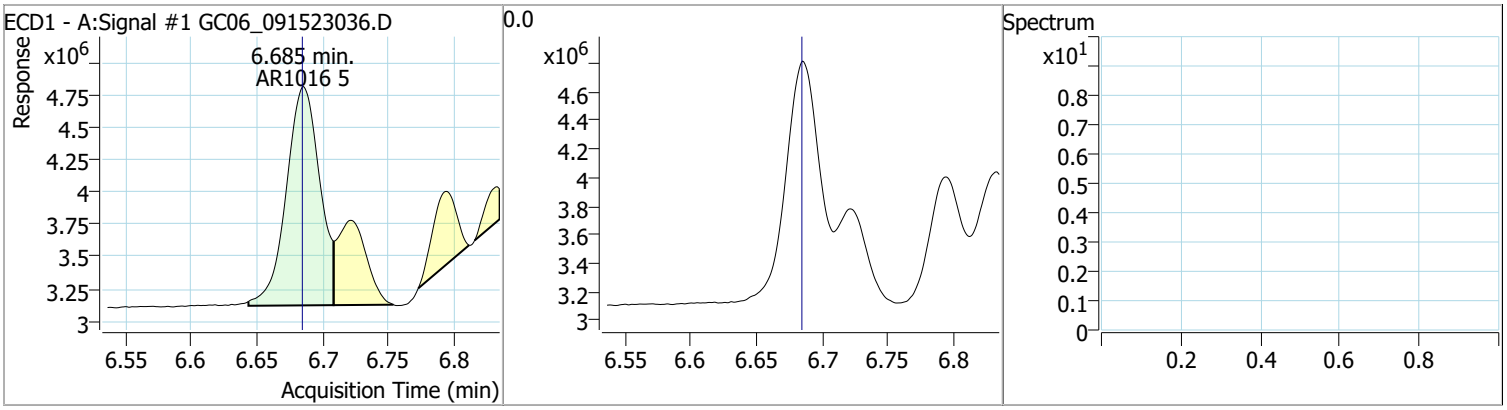
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	316.1949	6.16	0.00	8986042				



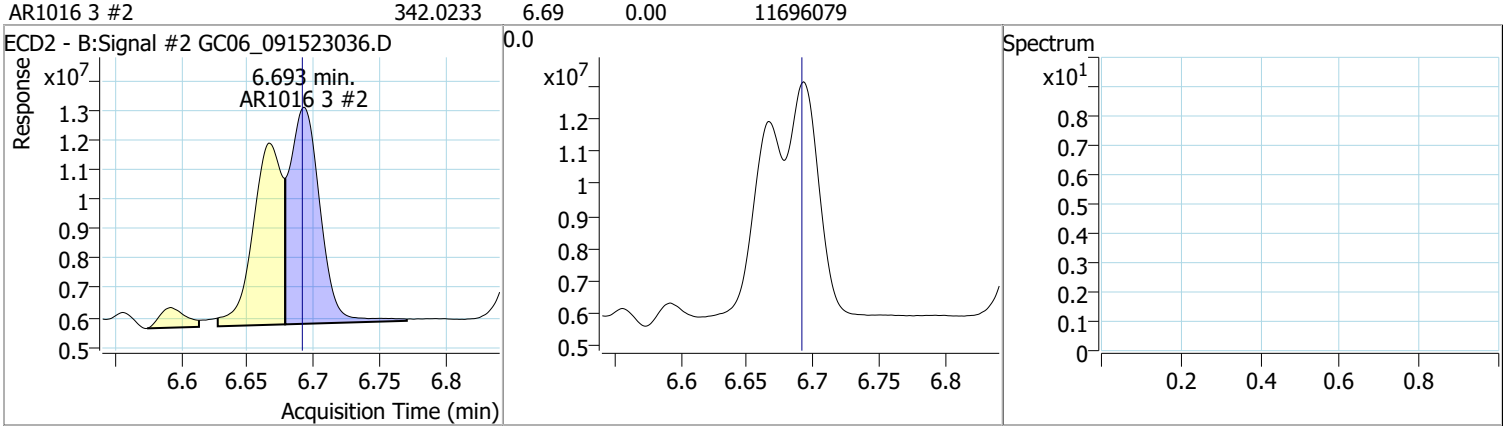
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	418.3440	6.23	-0.01	3587509				



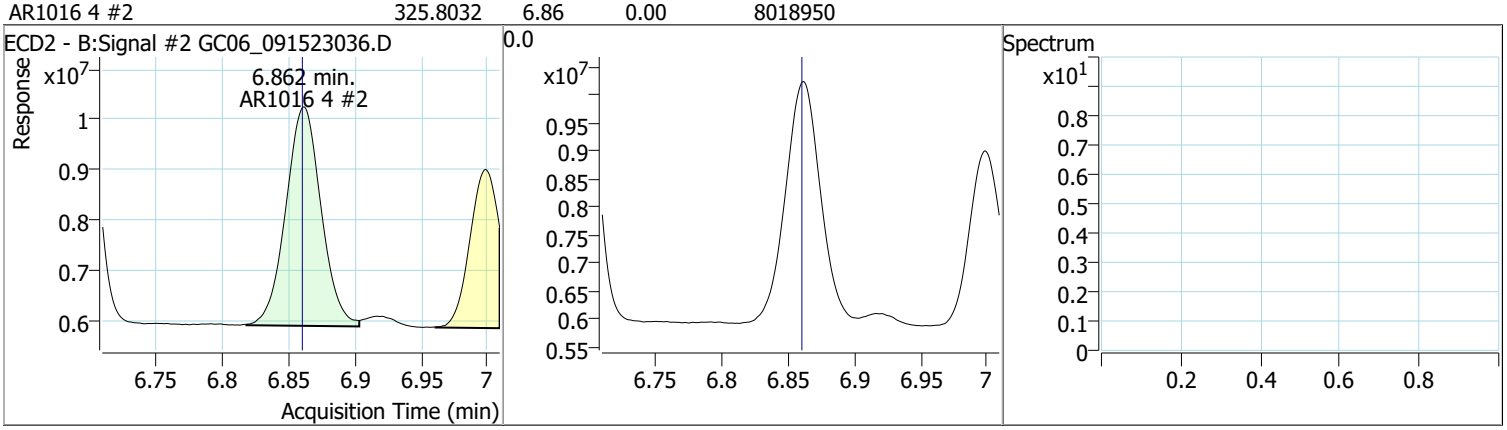
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	458.1825	6.69	0.00	3005024				



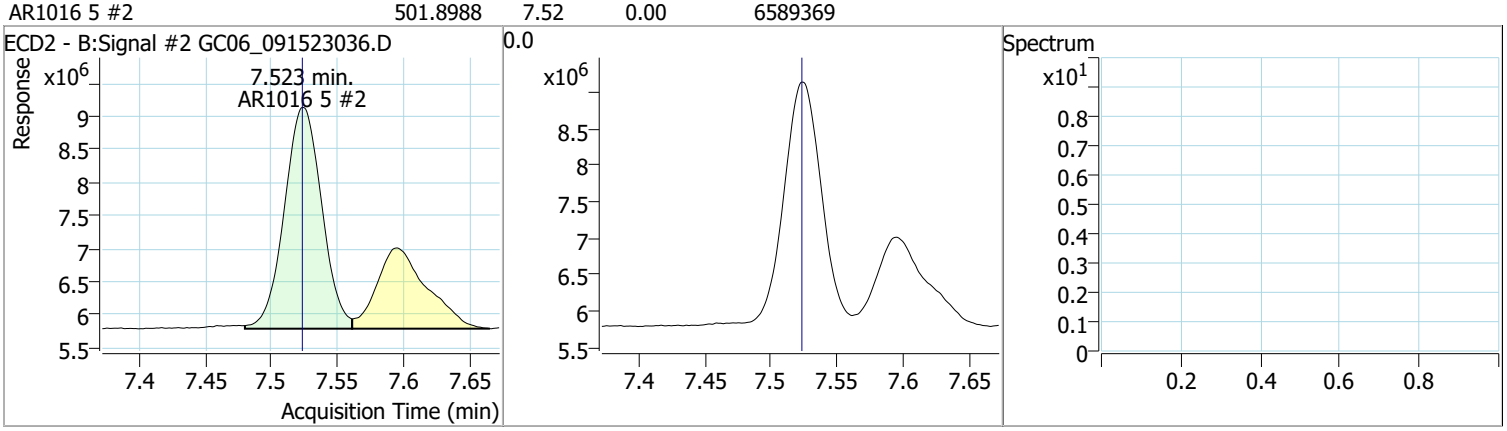
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	342.0233	6.69	0.00	11696079				



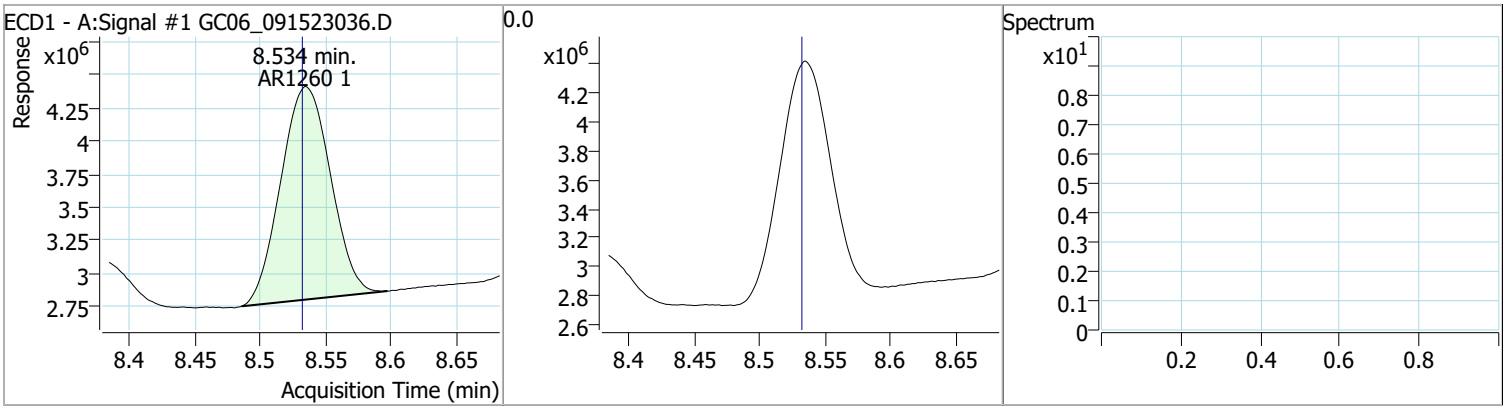
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	325.8032	6.86	0.00	8018950				



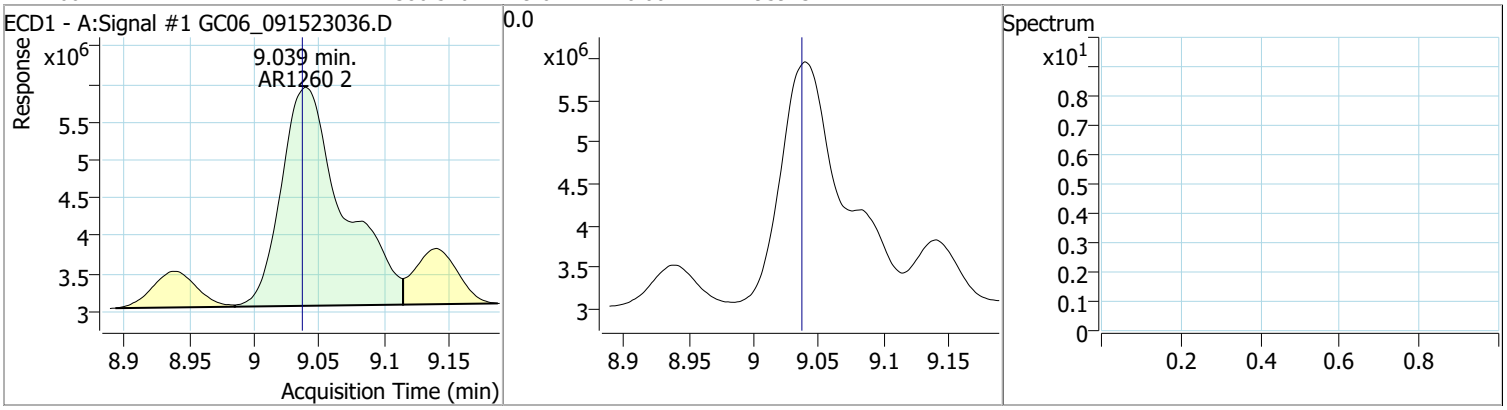
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	501.8988	7.52	0.00	6589369				



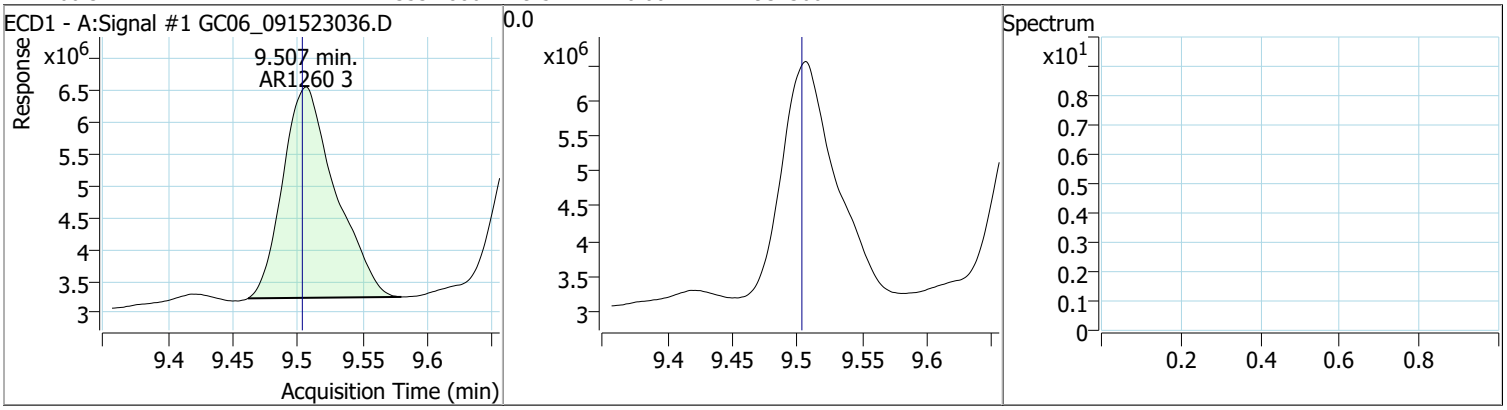
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	263.3678	8.53	0.00	4281361				



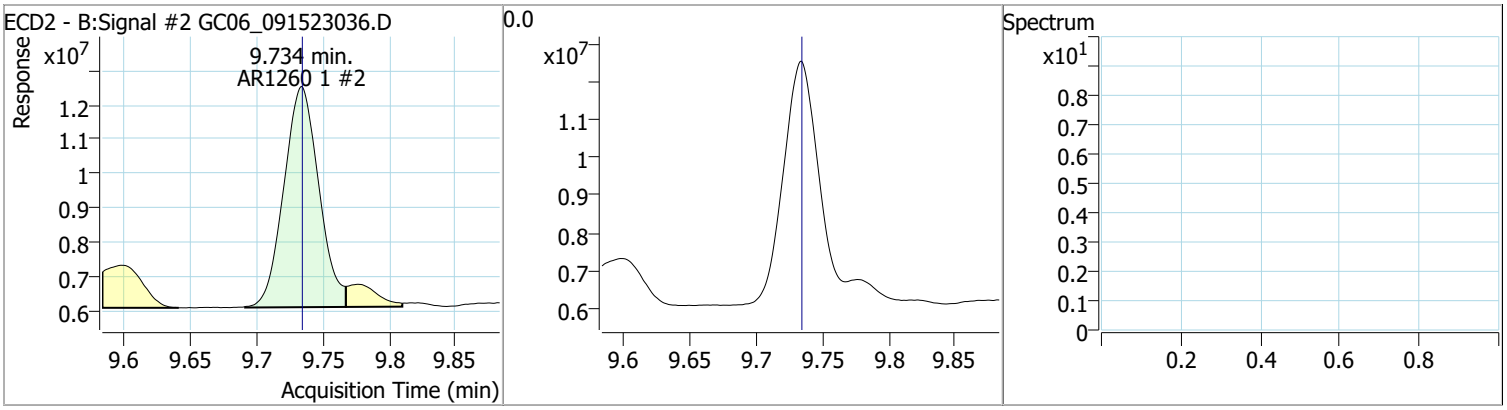
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	386.5261	9.04	0.00	9592314				



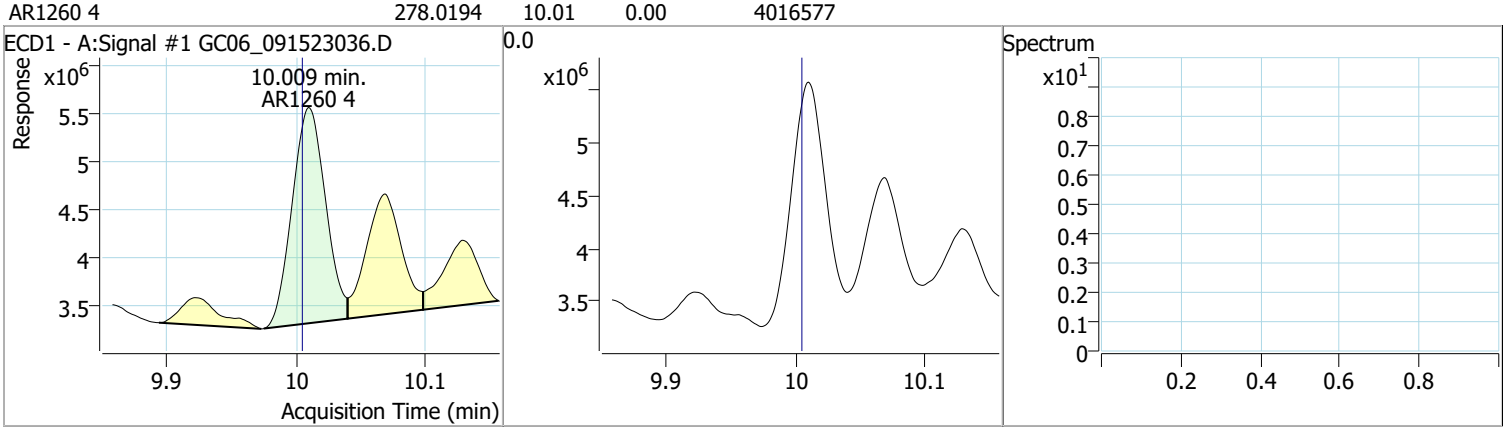
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	353.4886	9.51	0.00	9373602				



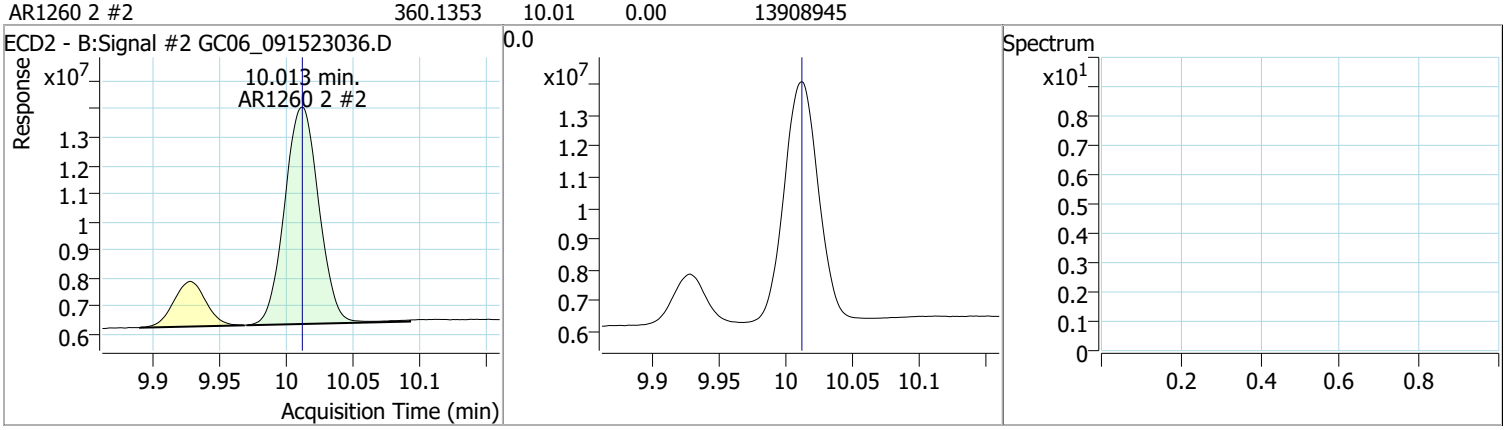
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	345.3414	9.73	0.00	11829506				



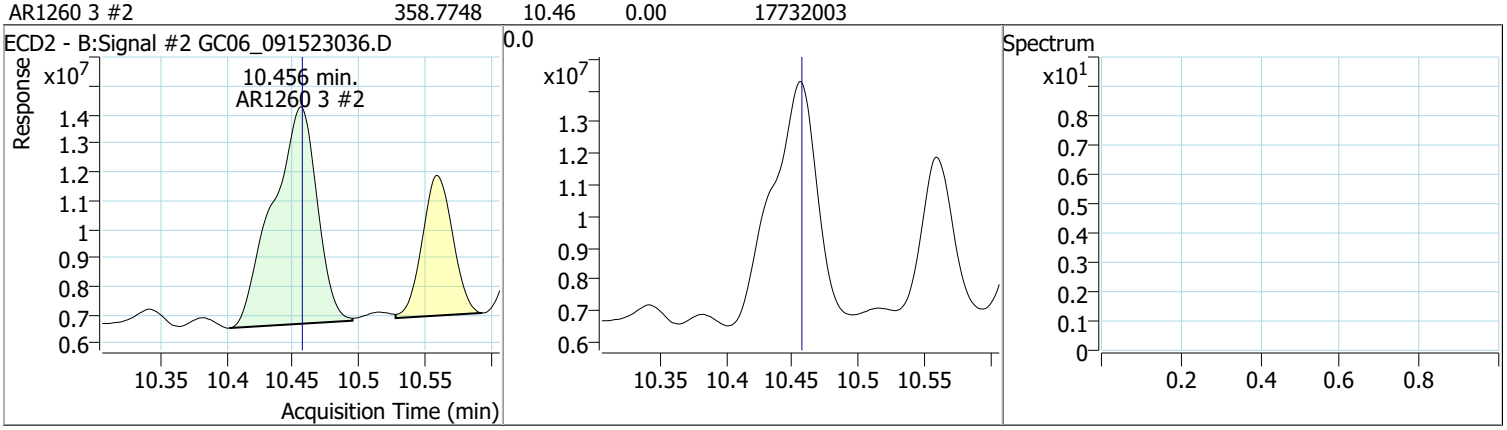
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	278.0194	10.01	0.00	4016577				



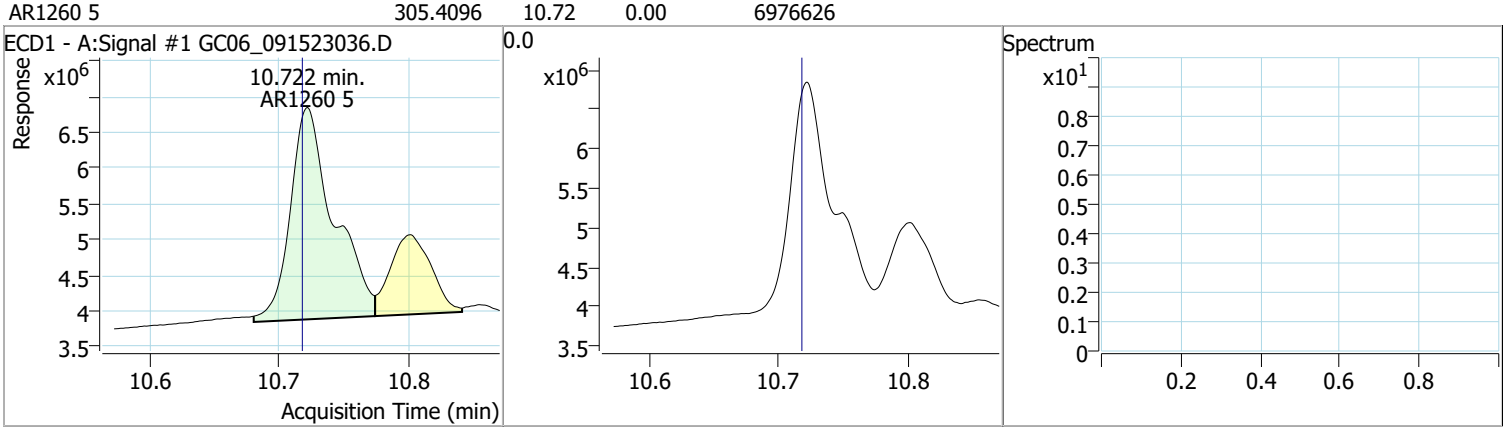
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	360.1353	10.01	0.00	13908945				



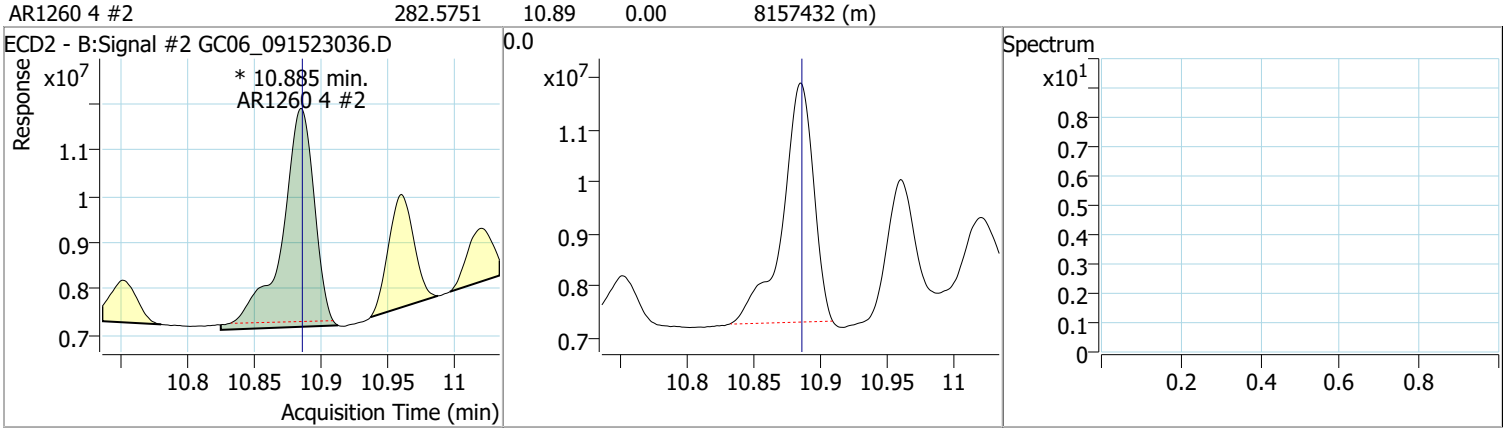
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	358.7748	10.46	0.00	17732003				



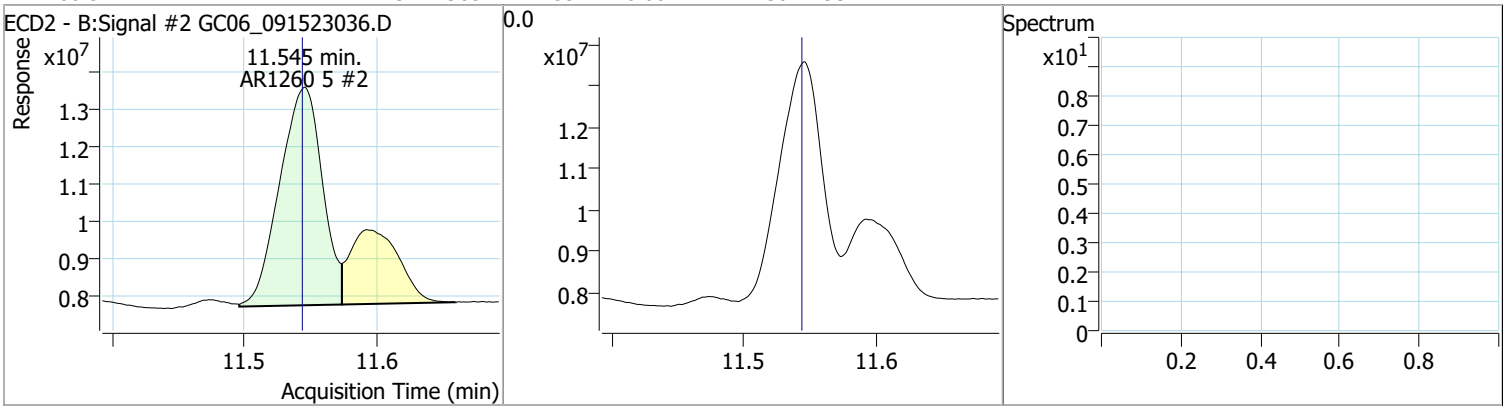
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	305.4096	10.72	0.00	6976626				



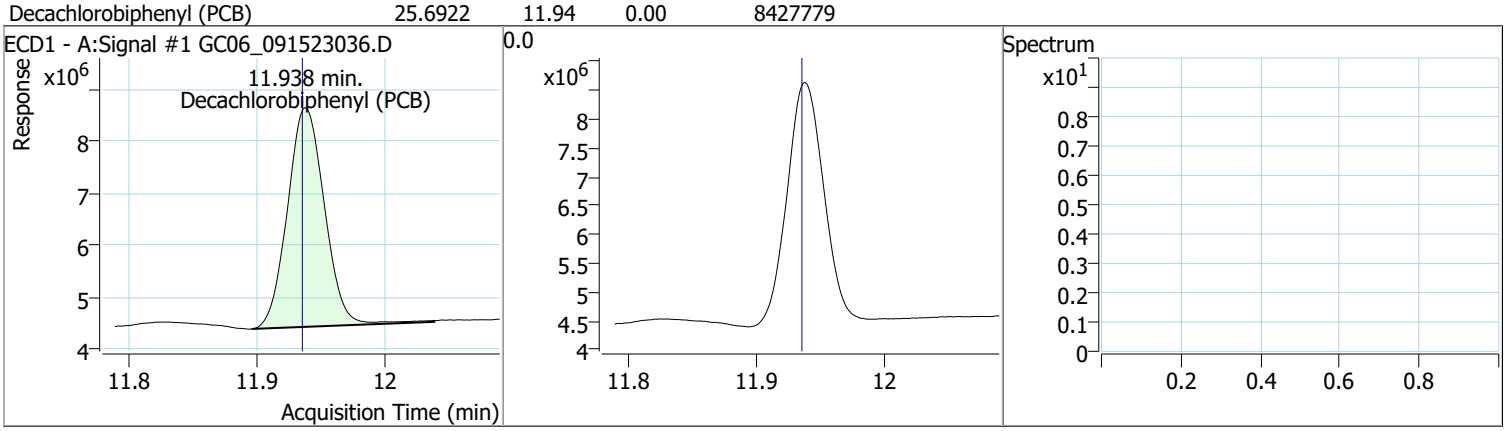
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	282.5751	10.89	0.00	8157432 (m)				



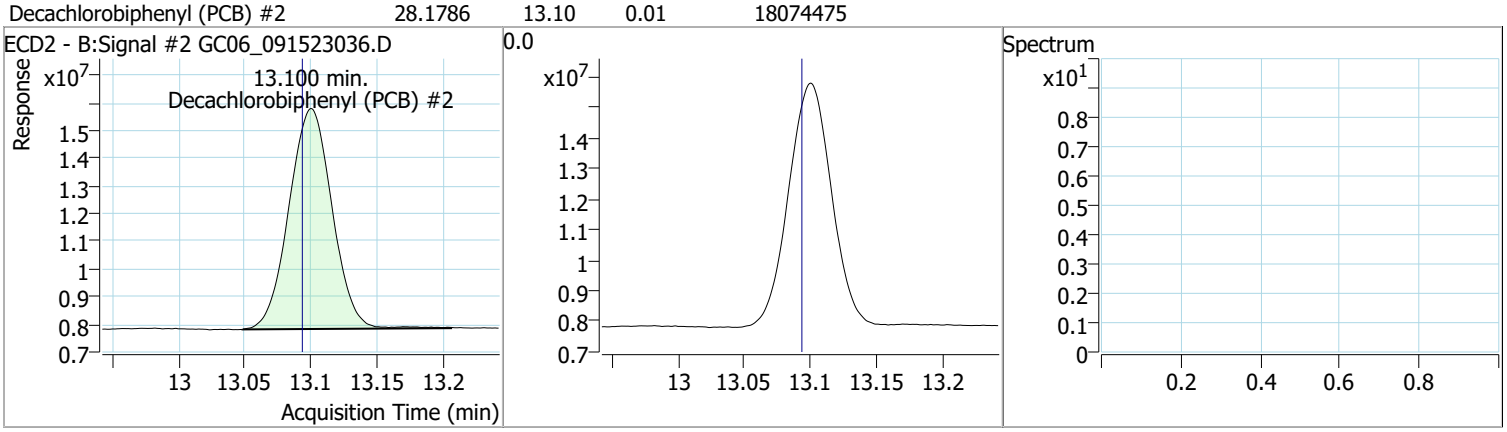
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	311.1985	11.55	0.00	13021493				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	25.6922	11.94	0.00	8427779				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.1786	13.10	0.01	18074475				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_052223020	453205686020		22-MAY-2023 20:06	S18179
L2	gc06_052223021	453205686021		22-MAY-2023 20:24	S18180
L3	gc06_052223022	453205686022		22-MAY-2023 20:43	S18181
L4	gc06_052223023	453205686023		22-MAY-2023 21:01	S18182
L5	gc06_052223024	453205686024		22-MAY-2023 21:19	S18183
L6	gc06_052223025	453205686025		22-MAY-2023 21:38	S18184
L7	gc06_052223026	453205686026		22-MAY-2023 21:56	S18185
L8	gc06_052223027	453205686027		22-MAY-2023 22:14	S18186
L9	gc06_052223028	453205686028		22-MAY-2023 22:33	S18187
L10	gc06_052223029	453205686029		22-MAY-2023 22:51	S18188

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
Units:	ug/L	X Axis:	R

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		44.8280		0.0223	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		22.0807		0.0453	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		17.2755		0.0579	15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		28.6617		0.0349	13	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		37.4758		0.0267	15	8	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.1197		0.0661	14	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.90415		0.1010	14	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.26897		0.1079	20	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		17.0130		0.0588	14	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		10.7597		0.0929	13	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.74929		1.3346	16	9	.99	20	
TCMX (PCB)	A	AVRG		0.93830		1.0658	13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.0029		0.0208	16	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		21.3693		0.0468	20	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		17.7590		0.0563	14	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		24.6742		0.0405	16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		46.2568		0.0216	9	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		17.7291		0.0564	17	10	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		15.7244		0.0636	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		12.2876		0.0814	17	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		21.0371		0.0475	17	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.5138		0.0689	12	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.94680		1.0562	17	9	.99	20	
TCMX (PCB)	B	AVRG		0.94258		1.0609	15	10	.99	20	

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

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
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		0.0276	0.0245	0.0234	0.0239	0.0218	0.0206	0.0212	0.0184	0.0193
Aroclor-1016 Peak # 2	A		0.0566	0.0518	0.0480	0.0481	0.0439	0.0411	0.0427	0.0366	0.0387
Aroclor-1016 Peak # 3	A		0.0762	0.0633	0.0599	0.0612	0.0560	0.0519	0.0548	0.0476	0.0502
Aroclor-1016 Peak # 4	A		0.0443	0.0367	0.0358	0.0370	0.0341	0.0322	0.0341	0.0290	0.0309
Aroclor-1016 Peak # 5	A			0.0344	0.0292	0.0286	0.0264	0.0247	0.0261	0.0216	0.0226
Aroclor-1260 Peak # 1	A		0.0851	0.0711	0.0682	0.0709	0.0625	0.0605	0.0668	0.0525	0.0577
Aroclor-1260 Peak # 2	A		0.1294	0.1093	0.1026	0.1091	0.0961	0.0930	0.1010	0.0808	0.0875
Aroclor-1260 Peak # 3	A	0.1581	0.1289	0.1077	0.1032	0.1094	0.0971	0.0948	0.1043	0.0834	0.0921
Aroclor-1260 Peak # 4	A	0.0772	0.0641	0.0593	0.0559	0.0620	0.0553	0.0543	0.0597	0.0476	0.0524
Aroclor-1260 Peak # 5	A	0.1231	0.0945	0.0875	0.0849	0.1002	0.0893	0.0878	0.0975	0.0775	0.0870
Decachlorobiphenyl (PCB)	A		1.7632	1.3406	1.2120	1.5128	1.4154	1.3028	1.3203	1.0100	1.1344
TCMX (PCB)	A		1.3115	1.0954	1.0188	1.2898	0.9794	0.9774	1.0276	0.9022	0.9898
Aroclor-1016 Peak # 1	B	0.0287	0.0231	0.0220	0.0204	0.0214	0.0200	0.0189	0.0193	0.0169	0.0175
Aroclor-1016 Peak # 2	B	0.0611	0.0630	0.0503	0.0468	0.0471	0.0433	0.0407	0.0419	0.0361	0.0376
Aroclor-1016 Peak # 3	B		0.0724	0.0632	0.0574	0.0590	0.0541	0.0509	0.0542	0.0462	0.0495
Aroclor-1016 Peak # 4	B	0.0559	0.0462	0.0417	0.0392	0.0416	0.0384	0.0365	0.0384	0.0328	0.0345
Aroclor-1016 Peak # 5	B			0.0241	0.0220	0.0240	0.0220	0.0210	0.0220	0.0185	0.0193
Aroclor-1260 Peak # 1	B	0.0735	0.0722	0.0592	0.0548	0.0579	0.0517	0.0503	0.0540	0.0436	0.0468
Aroclor-1260 Peak # 2	B		0.0821	0.0695	0.0652	0.0682	0.0603	0.0584	0.0633	0.0506	0.0547
Aroclor-1260 Peak # 3	B	0.1108	0.0964	0.0809	0.0765	0.0815	0.0731	0.0718	0.0782	0.0632	
Aroclor-1260 Peak # 4	B	0.0660	0.0527	0.0493	0.0467	0.0491	0.0448	0.0412	0.0471	0.0378	0.0406
Aroclor-1260 Peak # 5	B		0.0860	0.0731	0.0692	0.0734	0.0655	0.0644	0.0708	0.0560	0.0616
Decachlorobiphenyl (PCB)	B		1.3936	1.1048	0.9715	1.1986	1.1264	1.0333	1.0299	0.7901	0.8576
TCMX (PCB)	B	1.3332	1.2621	1.0653	1.0656	1.2201	0.9321	0.9733	0.9760	0.8587	0.9229

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
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	24	50.000	10	100.00	5	250.00	7	500.00	-2	749.91	-8	1000.0	-5
Aroclor-1016 Peak # 2	A			20.000	25	50.000	14	100.00	6	250.00	6	500.00	-3	749.91	-9	1000.0	-6
Aroclor-1016 Peak # 3	A			20.000	32	50.000	9	100.00	3	250.00	6	500.00	-3	749.91	-10	1000.0	-5
Aroclor-1016 Peak # 4	A			20.000	27	50.000	5	100.00	2	250.00	6	500.00	-2	749.91	-8	1000.0	-2
Aroclor-1016 Peak # 5	A					50.000	29	100.00	9	250.00	7	500.00	-1	749.91	-7	1000.0	-2
Aroclor-1260 Peak # 1	A			20.000	29	50.000	8	100.00	3	250.00	7	500.00	-6	749.91	-9	1000.0	1
Aroclor-1260 Peak # 2	A			20.000	28	50.000	8	100.00	2	250.00	8	500.00	-5	749.91	-8	1000.0	0
Aroclor-1260 Peak # 3	A	10.000	47	20.000	19	50.000	0	100.00	-4	250.00	1	500.00	-10	749.91	-12	1000.0	-3
Aroclor-1260 Peak # 4	A	10.000	31	20.000	9	50.000	1	100.00	-5	250.00	6	500.00	-6	749.91	-8	1000.0	1
Aroclor-1260 Peak # 5	A	10.000	32	20.000	2	50.000	-6	100.00	-9	250.00	8	500.00	-4	749.91	-6	1000.0	5
Decachlorobiphenyl (PCB)	A			1.6000	32	4.0000	0	8.0000	-9	20.000	13	40.000	6	59.993	-2	80.000	-1
TCMX (PCB)	A			1.6000	23	4.0000	3	8.0000	-4	20.000	**21**	40.000	-8	59.993	-8	80.000	-4
Aroclor-1016 Peak # 1	B	10.000	38	20.000	11	50.000	6	100.00	-2	250.00	3	500.00	-4	749.91	-9	1000.0	-7
Aroclor-1016 Peak # 2	B	10.000	31	20.000	**35**	50.000	8	100.00	0	250.00	1	500.00	-7	749.91	-13	1000.0	-10
Aroclor-1016 Peak # 3	B			20.000	29	50.000	12	100.00	2	250.00	5	500.00	-4	749.91	-10	1000.0	-4
Aroclor-1016 Peak # 4	B	10.000	38	20.000	14	50.000	3	100.00	-3	250.00	3	500.00	-5	749.91	-10	1000.0	-5
Aroclor-1016 Peak # 5	B					50.000	11	100.00	2	250.00	11	500.00	2	749.91	-3	1000.0	2
Aroclor-1260 Peak # 1	B	10.000	30	20.000	**28**	50.000	5	100.00	-3	250.00	3	500.00	-8	749.91	-11	1000.0	-4
Aroclor-1260 Peak # 2	B			20.000	29	50.000	9	100.00	3	250.00	7	500.00	-5	749.91	-8	1000.0	0
Aroclor-1260 Peak # 3	B	10.000	36	20.000	18	50.000	-1	100.00	-6	250.00	0	500.00	-10	749.91	-12	1000.0	-4
Aroclor-1260 Peak # 4	B	10.000	39	20.000	11	50.000	4	100.00	-2	250.00	3	500.00	-6	749.91	-13	1000.0	-1
Aroclor-1260 Peak # 5	B			20.000	25	50.000	6	100.00	0	250.00	6	500.00	-5	749.91	-7	1000.0	3
Decachlorobiphenyl (PCB)	B			1.6000	32	4.0000	5	8.0000	-8	20.000	13	40.000	7	59.993	-2	80.000	-2
TCMX (PCB)	B	0.8000	26	1.6000	19	4.0000	0	8.0000	0	20.000	15	40.000	-12	59.993	-8	80.000	-8

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-17	2000.0	-13
Aroclor-1016 Peak # 2	A	1500.0	-19	2000.0	-15
Aroclor-1016 Peak # 3	A	1500.0	-18	2000.0	-13
Aroclor-1016 Peak # 4	A	1500.0	-17	2000.0	-11
Aroclor-1016 Peak # 5	A	1500.0	-19	2000.0	-15
Aroclor-1260 Peak # 1	A	1500.0	**-21**	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-20	2000.0	-13
Aroclor-1260 Peak # 3	A	1500.0	**-23**	2000.0	-15
Aroclor-1260 Peak # 4	A	1500.0	-19	2000.0	-11
Aroclor-1260 Peak # 5	A	1500.0	-17	2000.0	-6
Decachlorobiphenyl (PCB)	A	120.00	**-24**	160.00	-15
TCMX (PCB)	A	120.00	-15	160.00	-7
Aroclor-1016 Peak # 1	B	1500.0	-19	2000.0	-16
Aroclor-1016 Peak # 2	B	1500.0	**-23**	2000.0	-20
Aroclor-1016 Peak # 3	B	1500.0	-18	2000.0	-12
Aroclor-1016 Peak # 4	B	1500.0	-19	2000.0	-15
Aroclor-1016 Peak # 5	B	1500.0	-15	2000.0	-11
Aroclor-1260 Peak # 1	B	1500.0	**-23**	2000.0	-17
Aroclor-1260 Peak # 2	B	1500.0	-20	2000.0	-14
Aroclor-1260 Peak # 3	B	1500.0	**-22**		
Aroclor-1260 Peak # 4	B	1500.0	-20	2000.0	-15
Aroclor-1260 Peak # 5	B	1500.0	-19	2000.0	-11
Decachlorobiphenyl (PCB)	B	120.00	**-25**	160.00	-19
TCMX (PCB)	B	120.00	-19	160.00	-13

TRN 05/23/23 : Manually integrated for coeluting peak, negative/tailing peak for one/both channels on multiple levels

ENTHALPY INITIAL CALIBRATION FOR 492059 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_052223_1
Calibration #:	453205686001	Date:	22-MAY-2023 20:06
Units:	ug/L	X Axis:	R

Analyst: TRN 05/23/23

Reviewer: LW 05/23/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 492059 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_052223_1
Calnum:	453205686001	Cal Date:	22-MAY-2023

- ICV 453205686031 (gc06_052223031 22-MAY-2023) stds: S18189

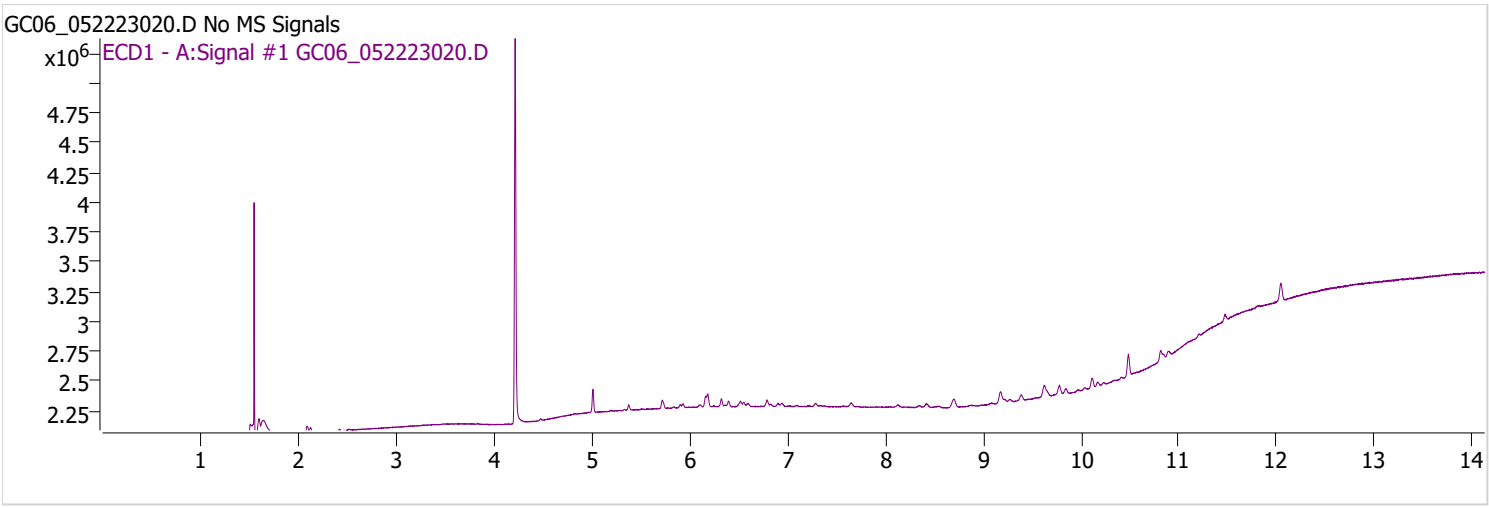
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	428.3	ug/L	-14	15	
Aroclor-1260	A	500.0	486.3	ug/L	-3	15	
Aroclor-1016	B	500.0	432.4	ug/L	-14	15	
Aroclor-1260	B	500.0	476.3	ug/L	-5	15	

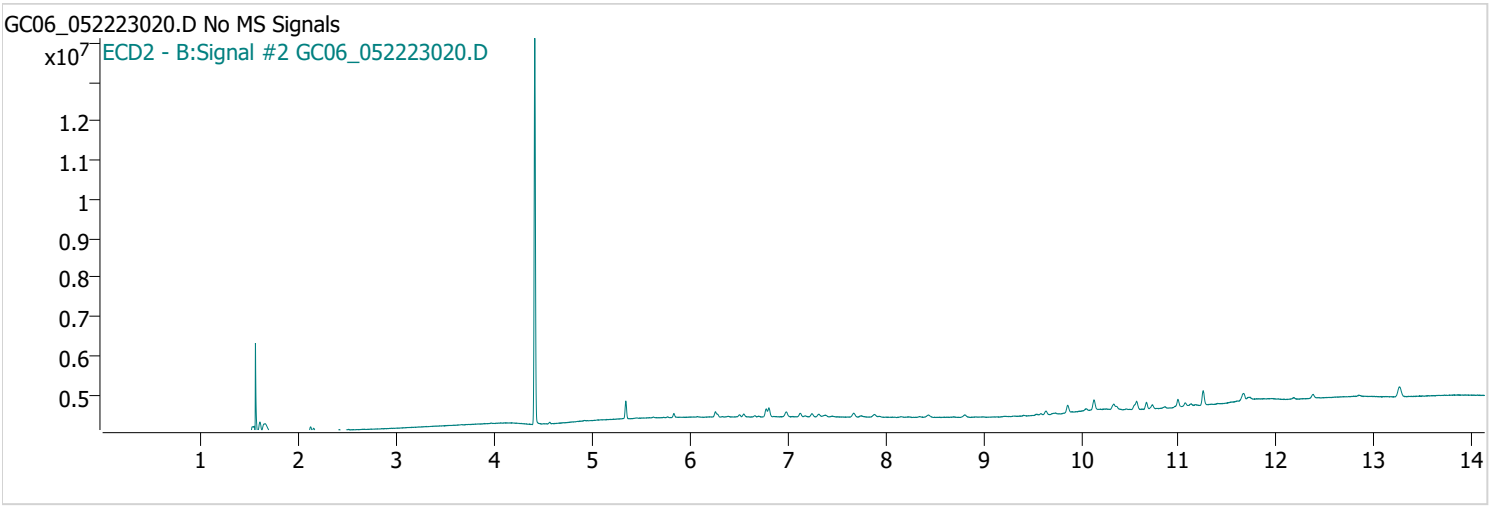
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Analyst: TRN 05/23/23 **Reviewer:** LW 05/23/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_052223020.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 8:06:46 PM
Sample Name	ICAL, S18179	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



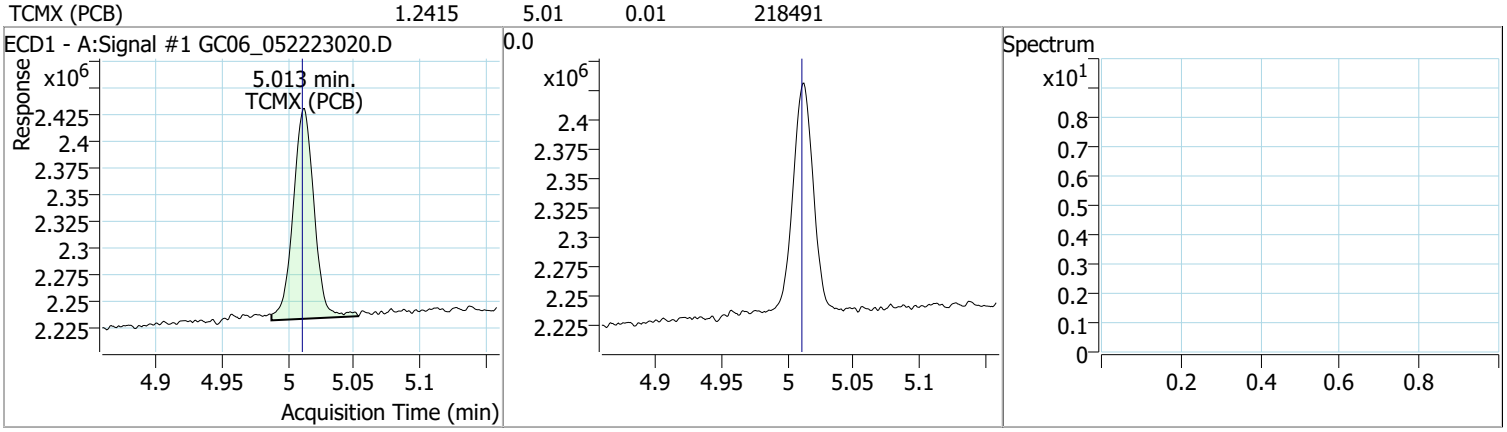


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.218	0.0	3319808.327	20.0000	ng/ml		0.008
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	8866253.650	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.013	0.0	218490.563	1.2415	ng/ml		0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 6.21%		*	
S TCMX (PCB) #2	5.348	0.0	472805.108	1.0082	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.04%		*	
S Decachlorobiphenyl (PCB)	12.044	0.0	291518.580	1.3267	ng/ml		0.023
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 6.63%		*	
S Decachlorobiphenyl (PCB) #2	13.258	0.0	632444.173	1.3581	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 6.79%		*	
Target Compounds							QValue
T AR1016 1	5.378	0.0	61309.165	16.6853	ng/ml		100
T AR1016 2	5.723	0.0	117562.640	15.6669	ng/ml		100
T AR1016 1 #2	5.840	0.0	127309.840	13.8000	ng/ml		100

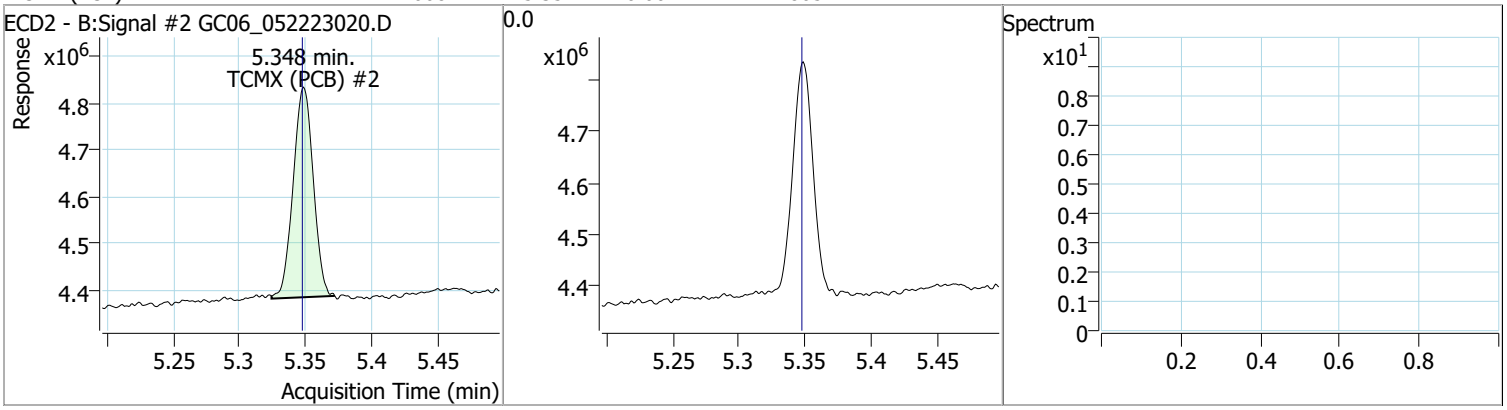
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.187	0.0	155866.244	16.2850	ng/ml	m	100
T AR1016 2 #2	6.263	0.0	270742.302	13.0744	ng/ml		100
T AR1016 4	6.326	0.0	91736.550	15.5636	ng/ml		100
T AR1016 5	6.520	0.0	84019.148	19.2055	ng/ml		100
T AR1016 3 #2	6.811	0.0	386894.363	15.5439	ng/ml		100
T AR1016 4 #2	6.988	0.0	247753.500	13.8049	ng/ml		100
T AR1016 5 #2	7.251	0.0	141832.892	14.1157	ng/ml		100
T AR1260 1	8.701	0.0	181061.273	16.5041	ng/ml		100
T AR1260 2	9.178	0.0	267356.534	16.0212	ng/ml		100
T AR1260 3	9.623	0.0	262363.997	14.6680	ng/ml		100
T AR1260 1 #2	9.865	0.0	325692.704	12.9688	ng/ml		100
T AR1260 4	10.113	0.0	128136.380	13.1049	ng/ml		100
T AR1260 2 #2	10.133	0.0	490944.388	17.2965	ng/ml		100
T AR1260 3 #2	10.568	0.0	491203.187	13.4841	ng/ml		100
T AR1260 5	10.816	0.0	204319.500	12.8466	ng/ml		100
T AR1260 4 #2	10.990	0.0	292791.859	13.7527	ng/ml	m	100
T AR1260 5 #2	11.664	0.0	432968.877	13.9975	ng/ml		100

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

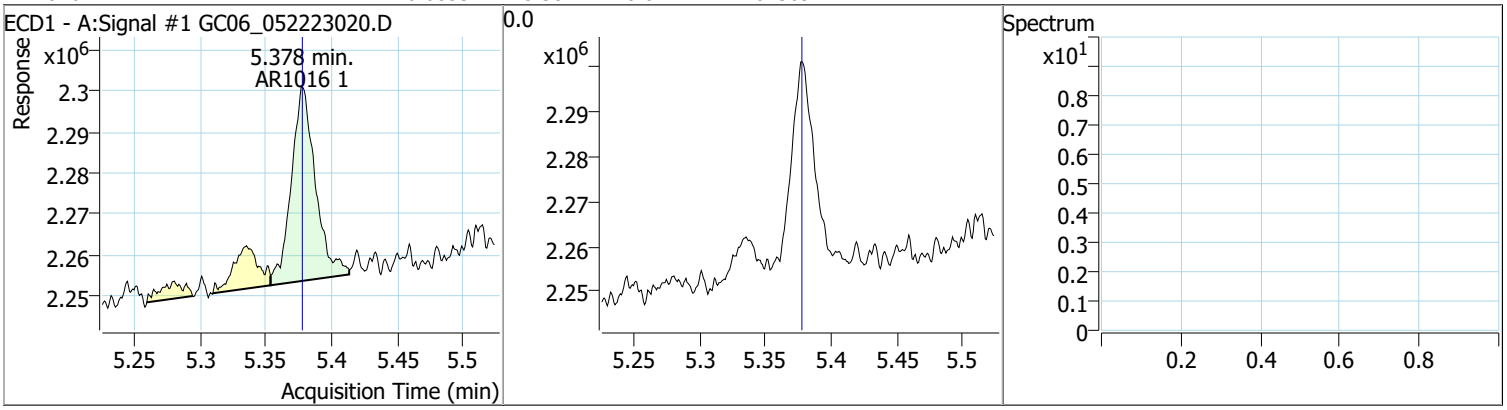
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.2415	5.01	0.01	218491				



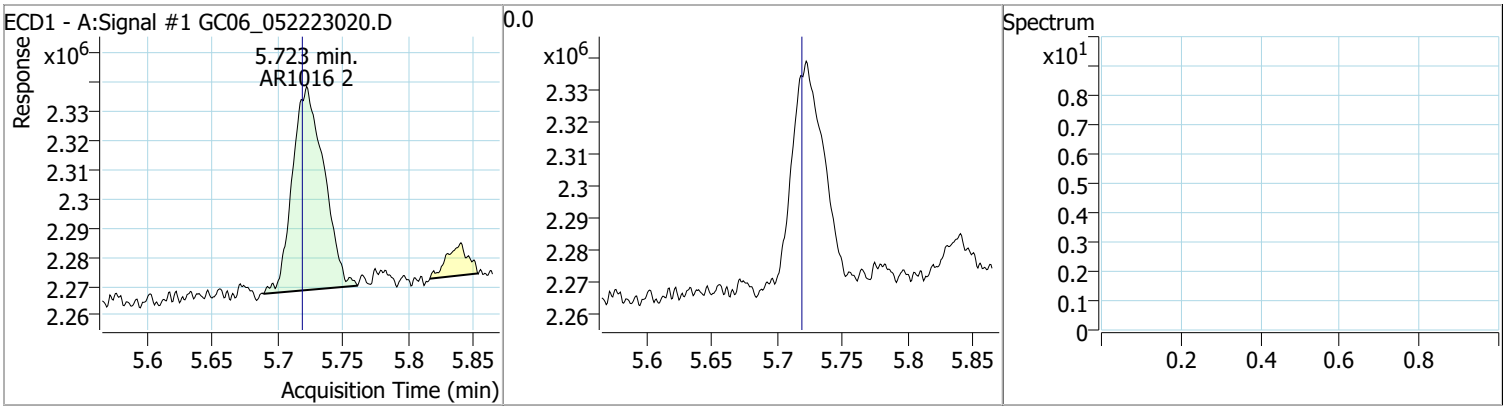
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.0082	5.35	0.00	472805				



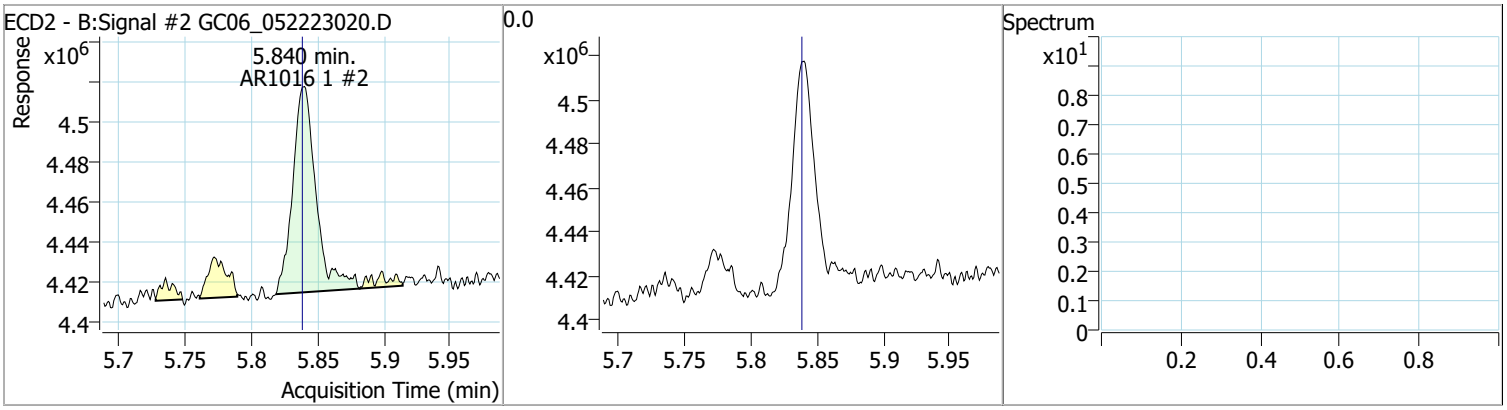
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	16.6853	5.38	0.01	61309				



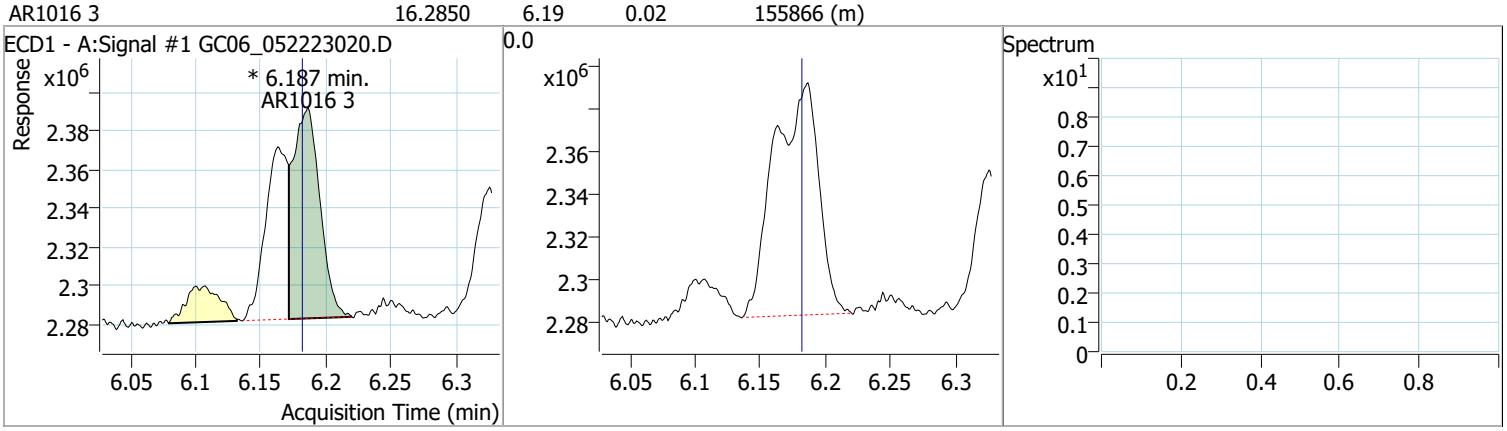
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	15.6669	5.72	0.01	117563				



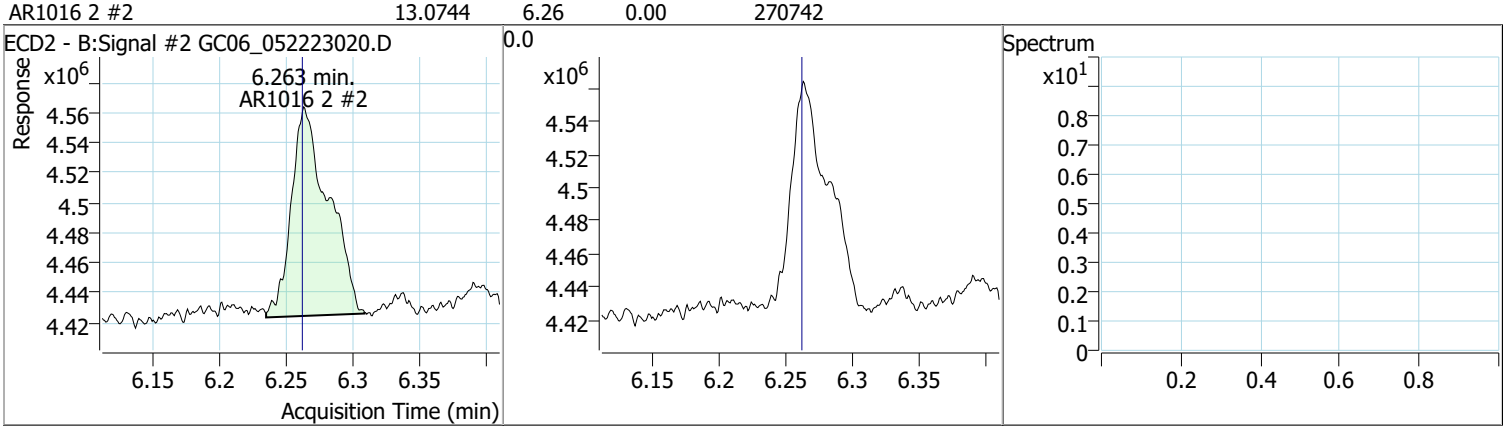
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	13.8000	5.84	0.00	127310				



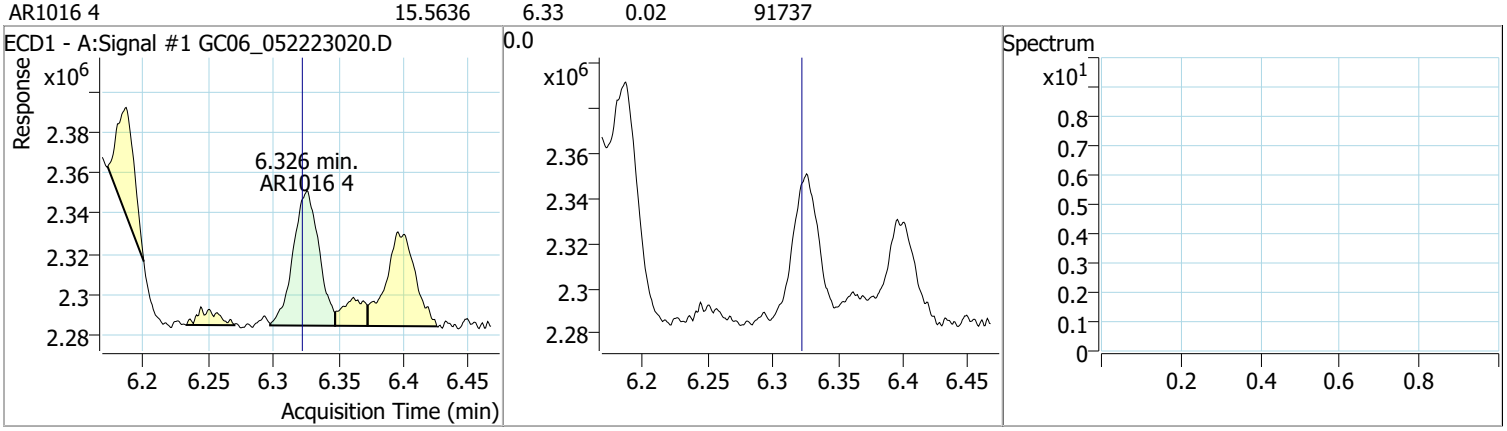
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	16.2850	6.19	0.02	155866 (m)				



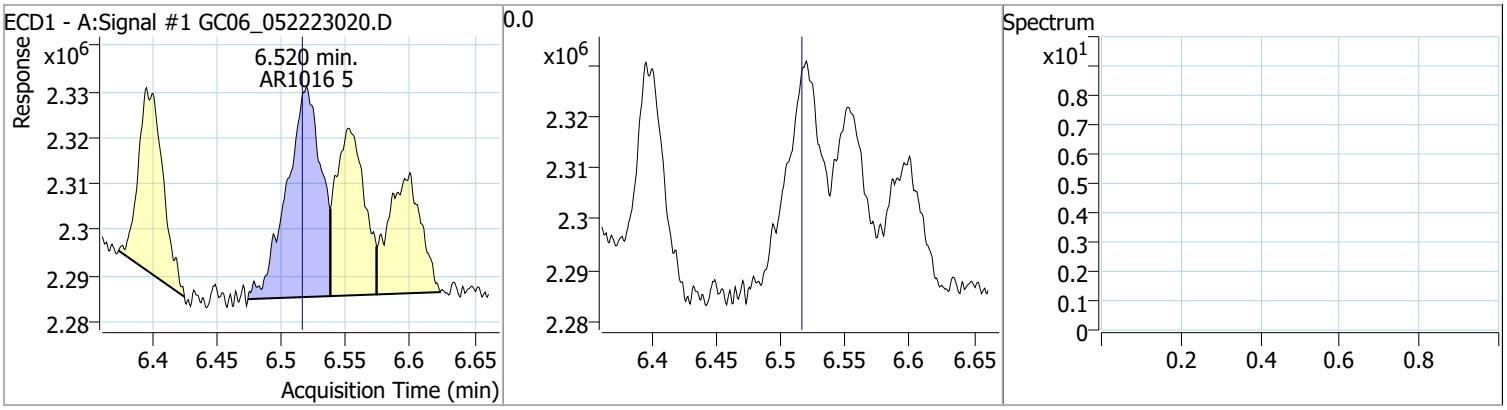
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.0744	6.26	0.00	270742				



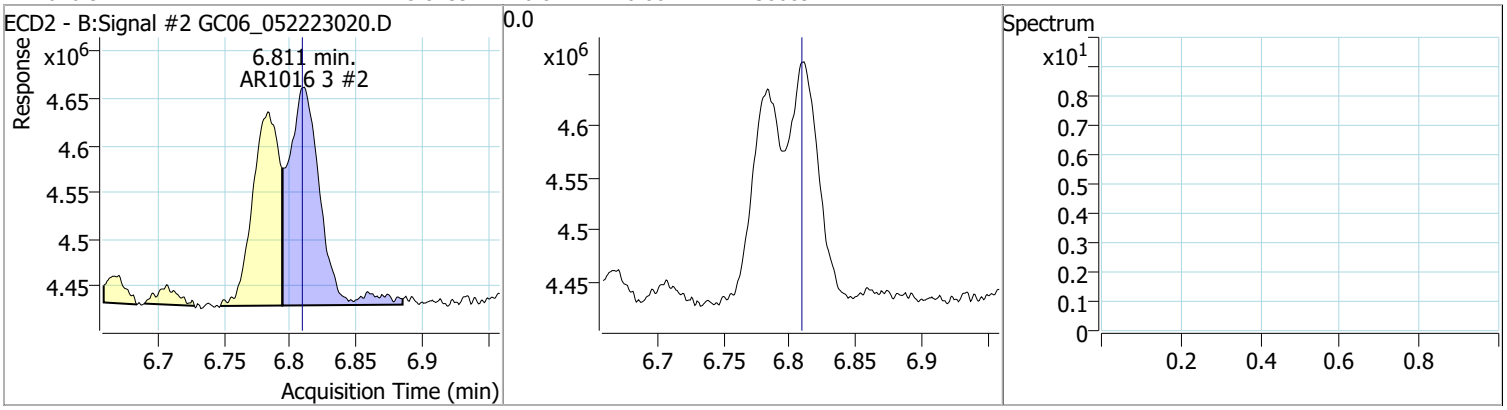
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	15.5636	6.33	0.02	91737				



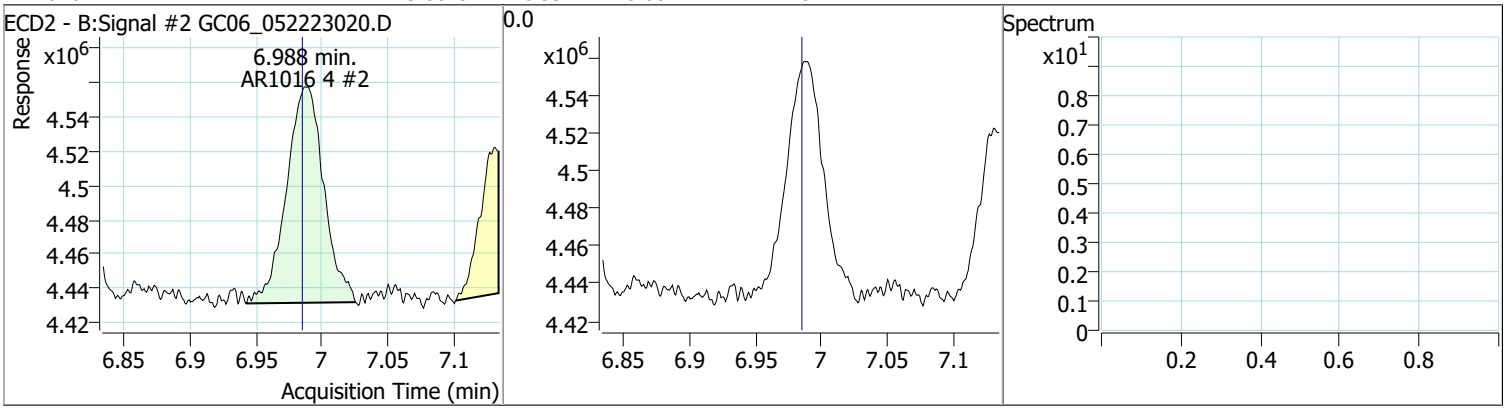
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	19.2055	6.52	0.02	84019				



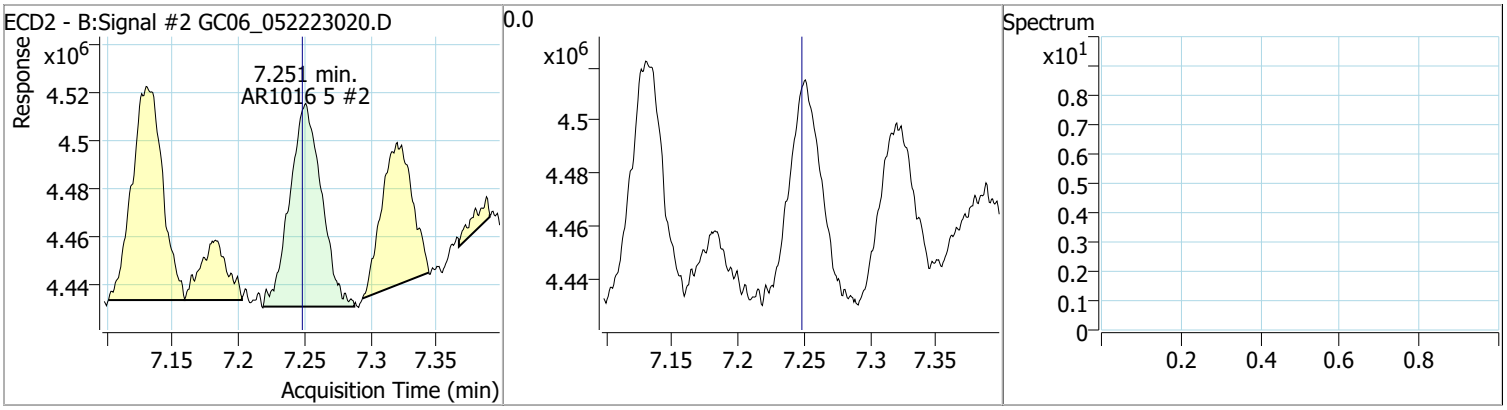
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	15.5439	6.81	0.00	386894				



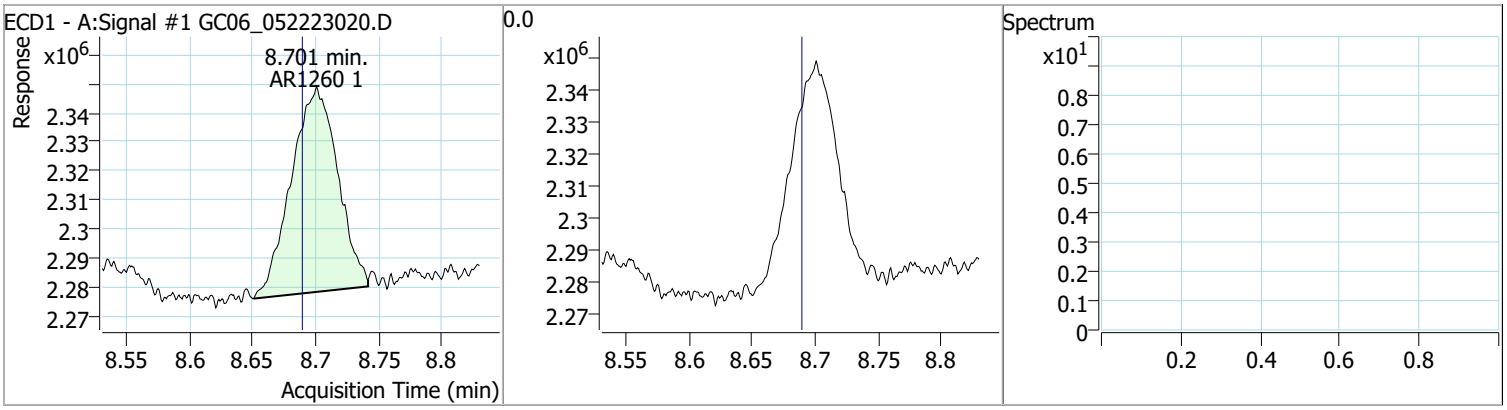
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	13.8049	6.99	0.00	247754				



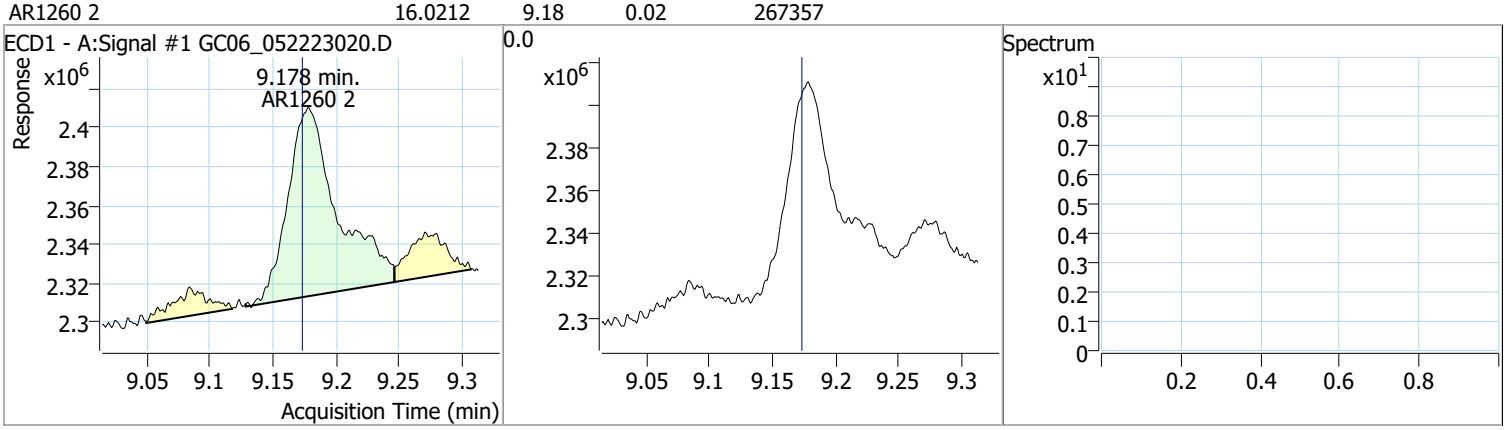
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AR1016 5 #2	14.1157	7.25	0.00	141833				



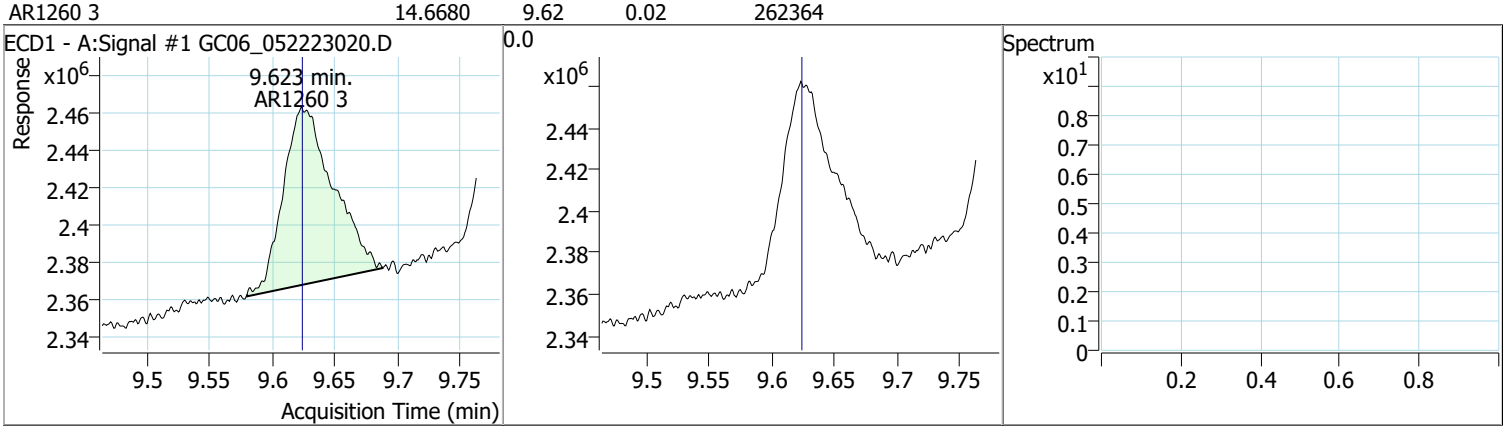
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	16.5041	8.70	0.03	181061				



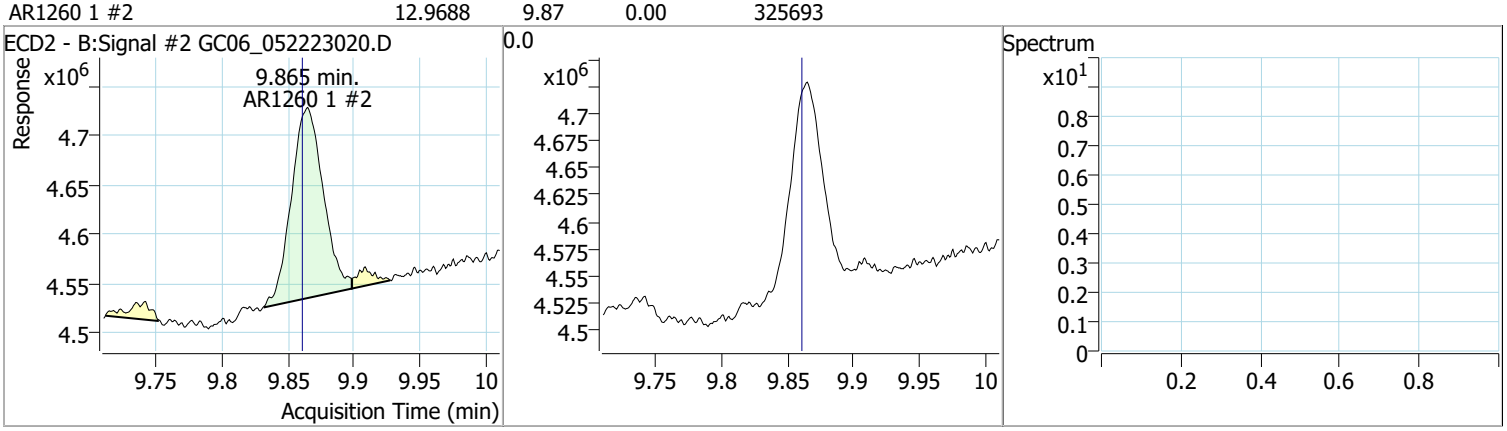
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	16.0212	9.18	0.02	267357				



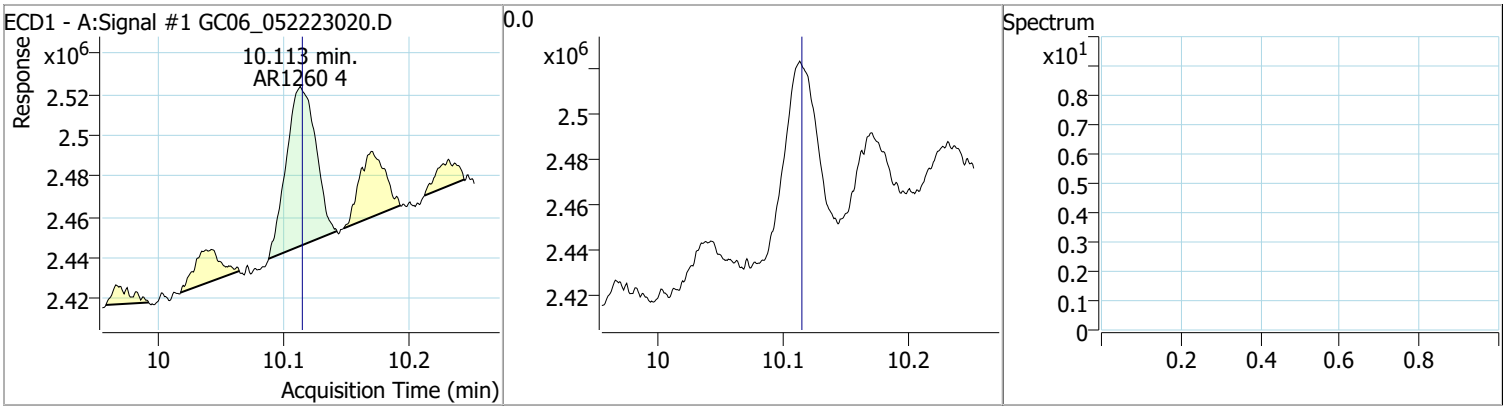
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	14.6680	9.62	0.02	262364				



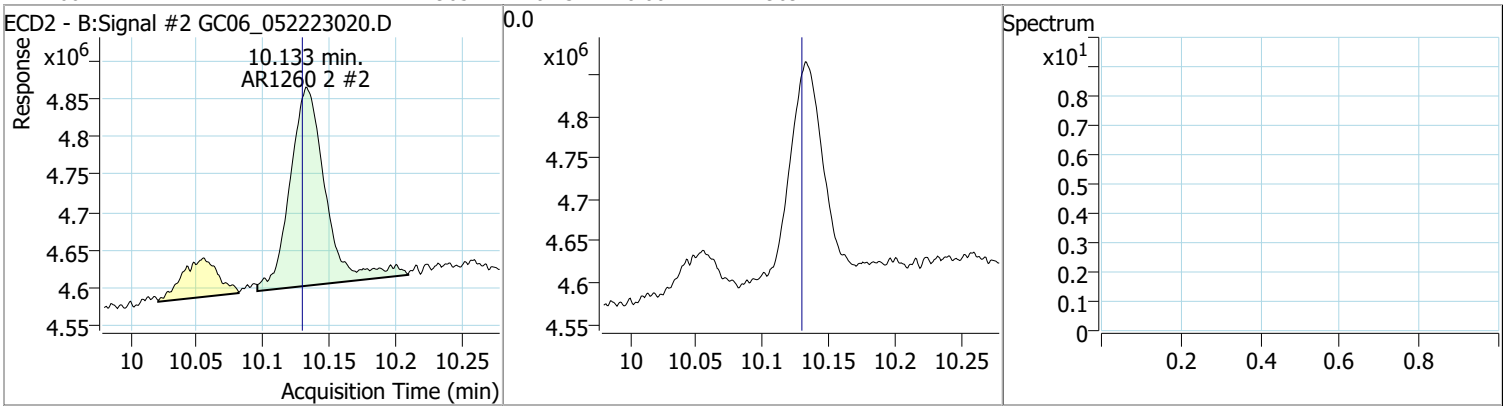
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	12.9688	9.87	0.00	325693				



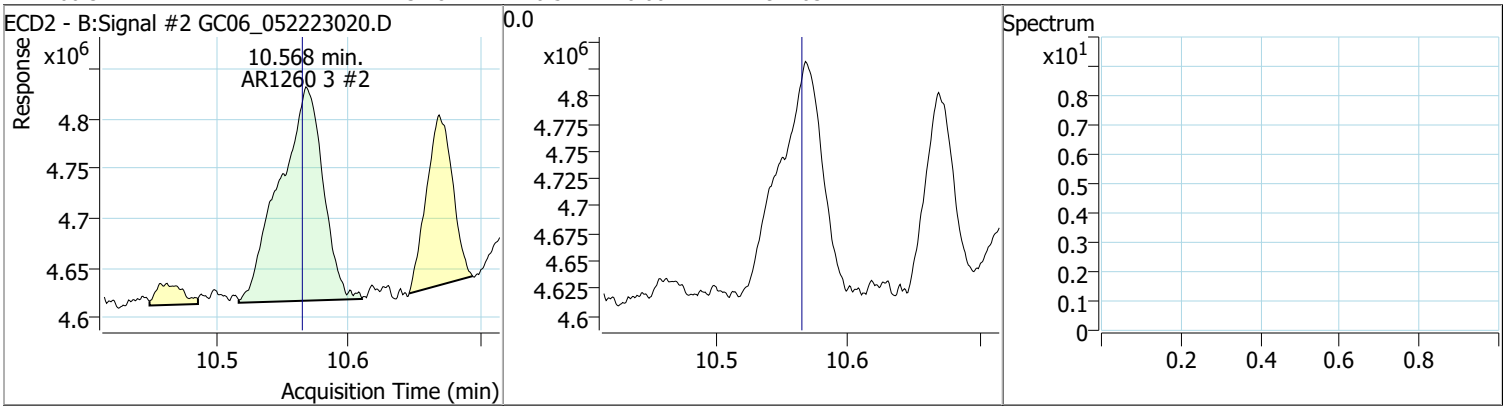
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	13.1049	10.11	0.02	128136				



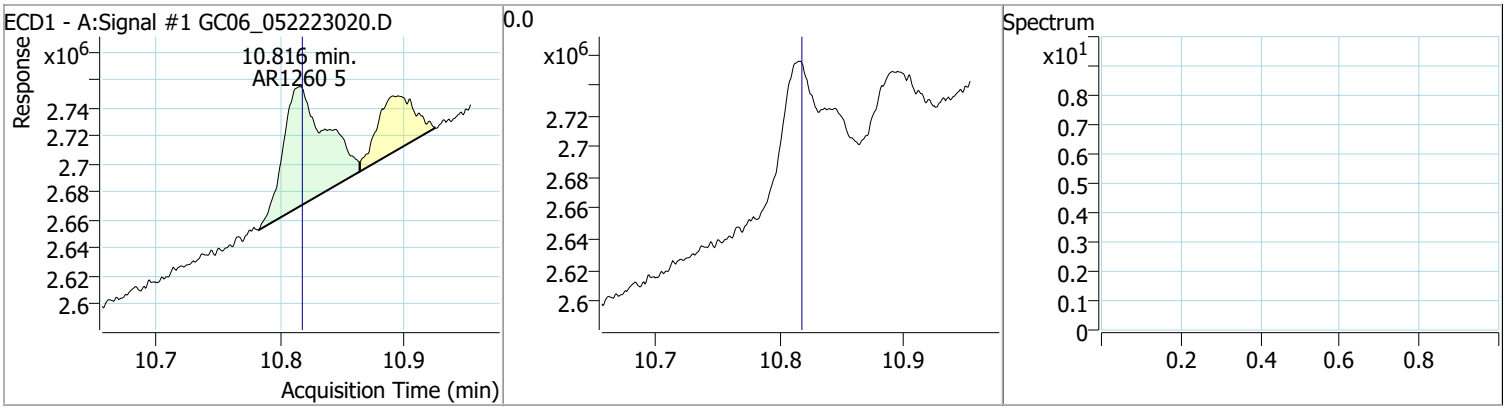
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	17.2965	10.13	0.00	490944				



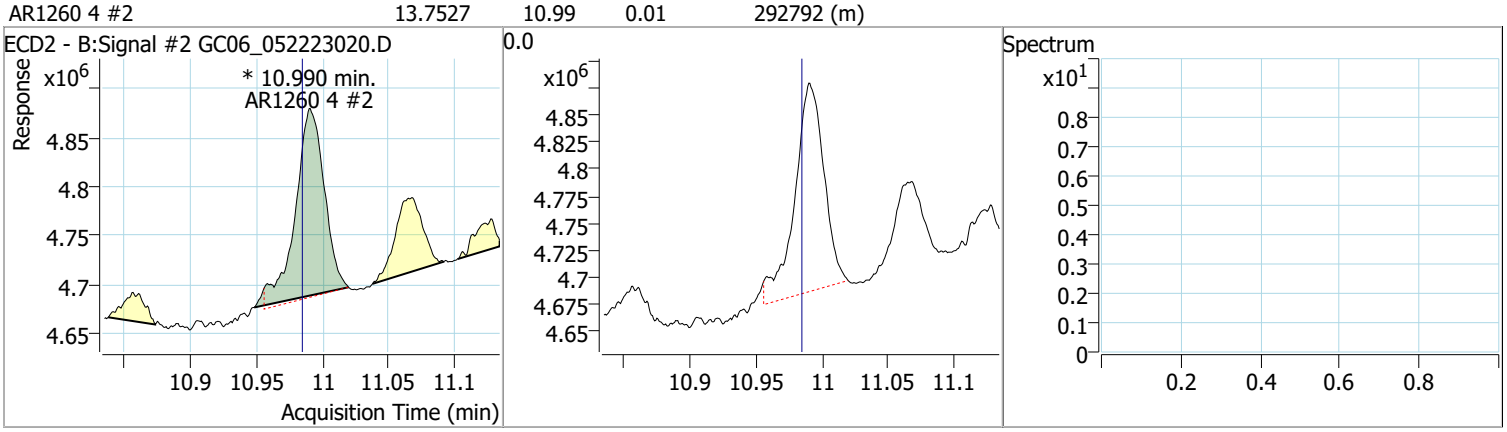
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	13.4841	10.57	0.00	491203				



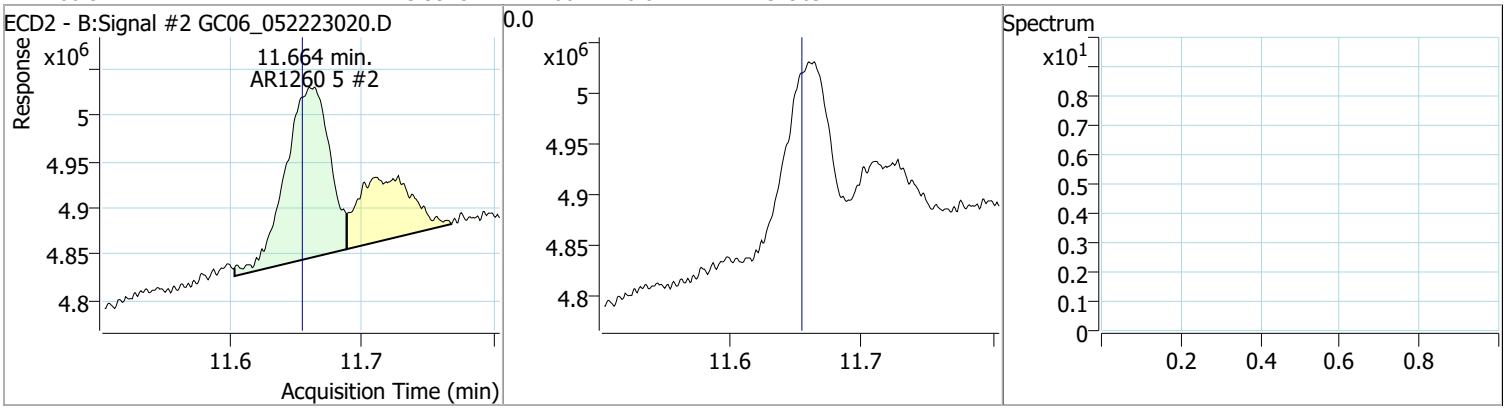
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.8466	10.82	0.02	204319				



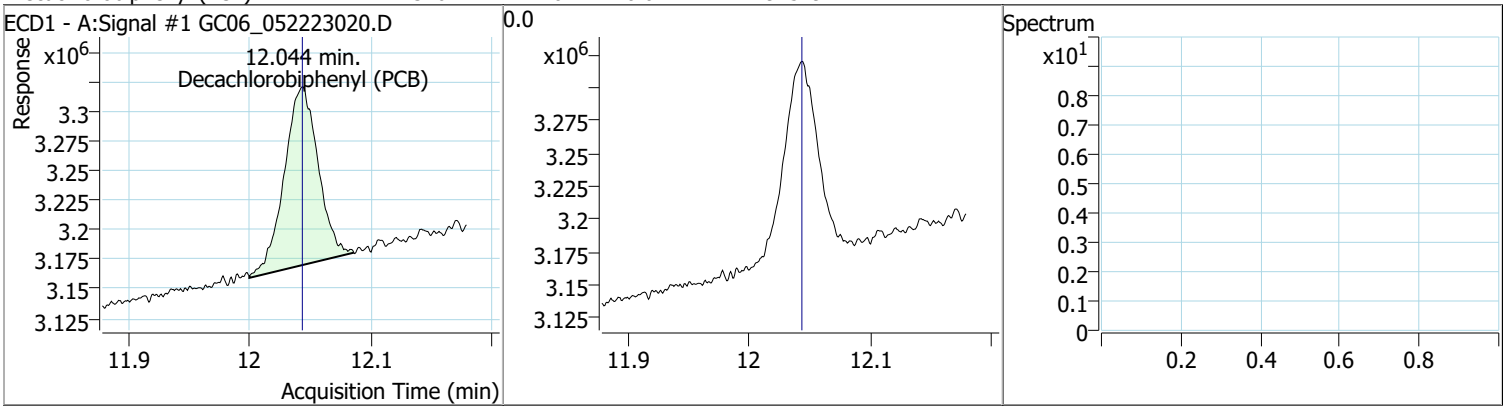
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.7527	10.99	0.01	292792 (m)				



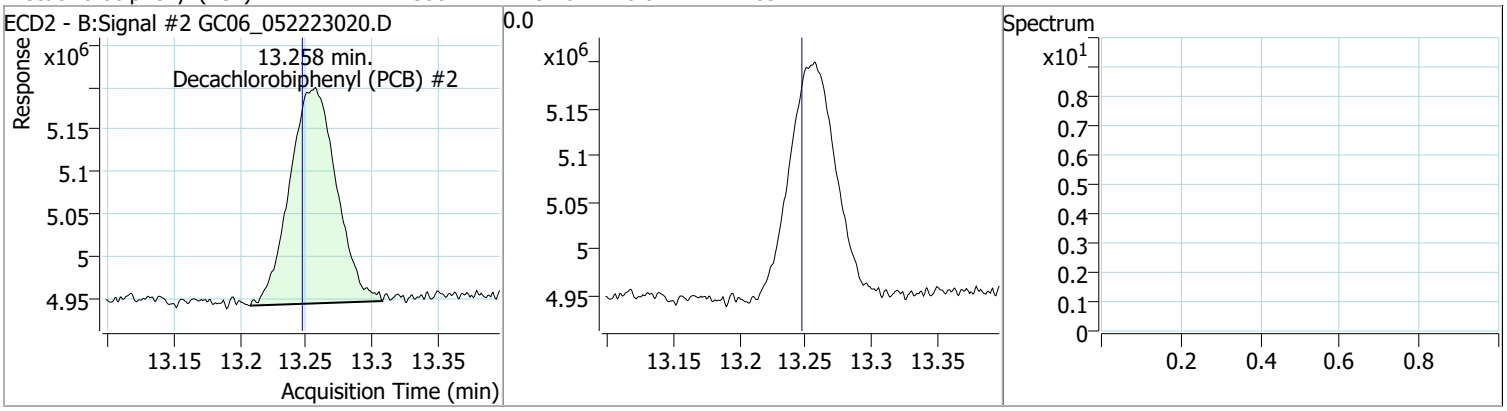
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.9975	11.66	0.01	432969				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.3267	12.04	0.02	291519				

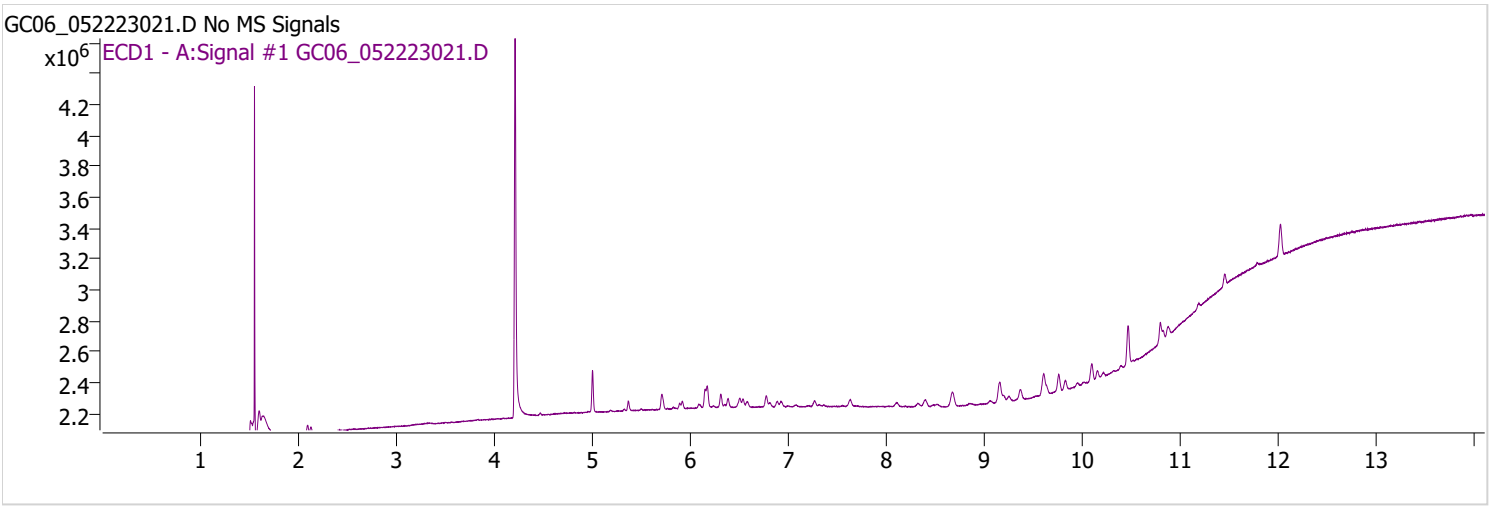


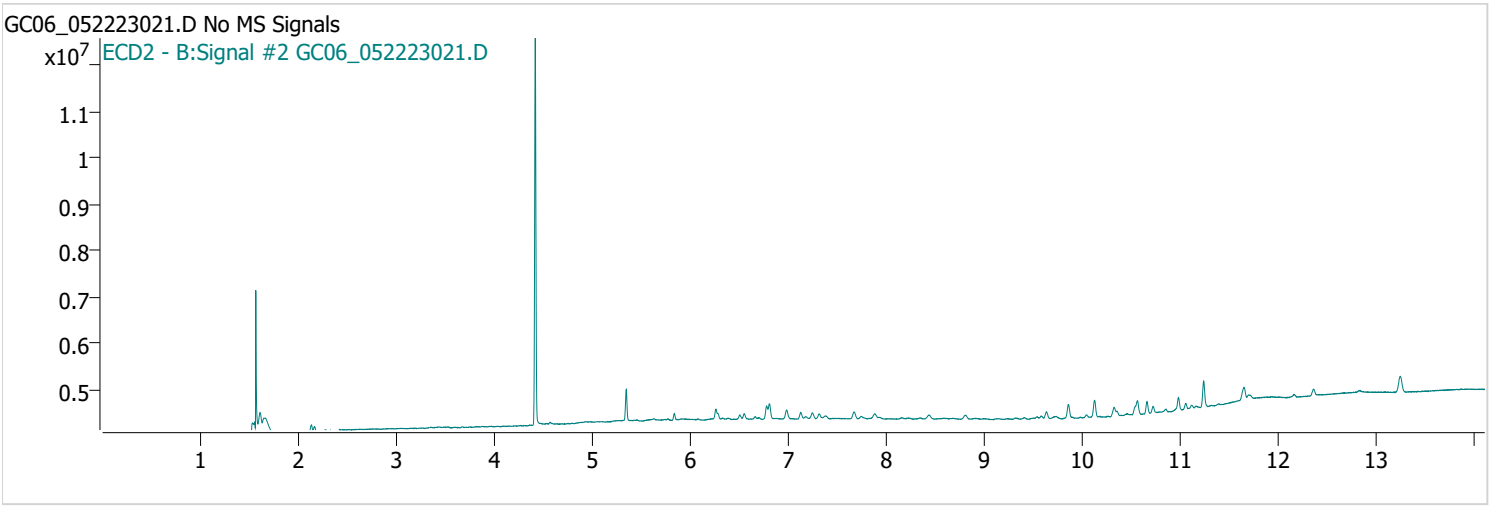
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.3581	13.26	0.01	632444				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223021.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 8:24:57 PM
Sample Name	ICAL, S18180	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



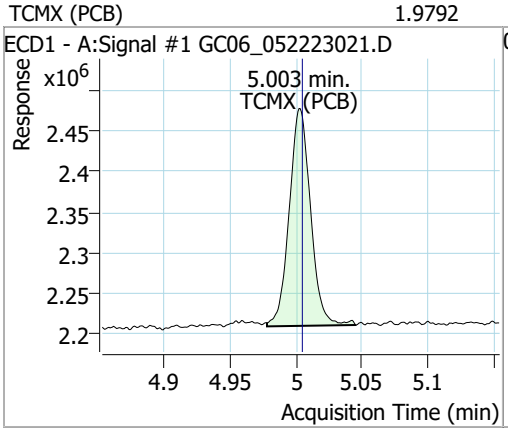


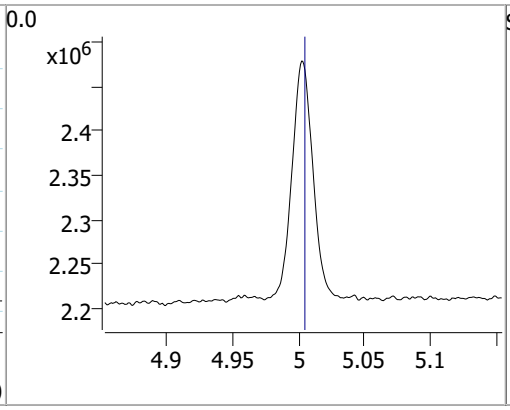
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.213	0.0	2895344.441	20.0000	ng/ml		0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	7570414.192	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.003	0.0	303777.472	1.9792	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.90%		*	
S TCMX (PCB) #2	5.348	0.0	764383.122	1.9089	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.54%		*	
S Decachlorobiphenyl (PCB)	12.029	0.0	408400.785	2.1312	ng/ml		0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.66%		*	
S Decachlorobiphenyl (PCB) #2	13.253	0.0	844002.434	2.1227	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.61%		*	
Target Compounds							**QValue**
T AR1016 1	5.368	0.0	79790.931	24.8987	ng/ml	m	100
T AR1016 2	5.711	0.0	163841.543	25.0351	ng/ml		100
T AR1016 1 #2	5.838	0.0	174515.852	22.1550	ng/ml		100

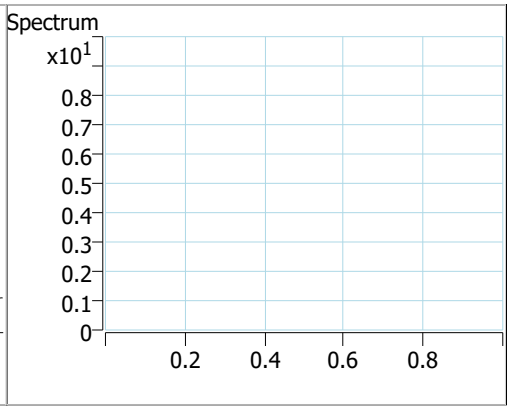
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.175	0.0	220523.220	26.4181	ng/ml		100
T AR1016 2 #2	6.263	0.0	477082.623	26.9823	ng/ml		100
T AR1016 4	6.313	0.0	128324.919	24.9627	ng/ml		100
T AR1016 5	6.507	0.0	115071.070	30.1596	ng/ml		100
T AR1016 3 #2	6.808	0.0	548224.081	25.7956	ng/ml		100
T AR1016 4 #2	6.985	0.0	350067.342	22.8447	ng/ml		100
T AR1016 5 #2	7.247	0.0	236355.630	27.5495	ng/ml		100
T AR1260 1	8.677	0.0	246324.631	25.7447	ng/ml		100
T AR1260 2	9.161	0.0	374573.756	25.7367	ng/ml		100
T AR1260 3	9.611	0.0	373137.702	23.9193	ng/ml		100
T AR1260 1 #2	9.863	0.0	546442.383	25.4834	ng/ml		100
T AR1260 4	10.101	0.0	185605.908	21.7654	ng/ml		100
T AR1260 2 #2	10.130	0.0	621546.504	25.6460	ng/ml		100
T AR1260 3 #2	10.568	0.0	729683.927	23.4593	ng/ml		100
T AR1260 5	10.803	0.0	273678.565	19.7302	ng/ml		100
T AR1260 4 #2	10.987	0.0	398783.981	21.9375	ng/ml	m	100
T AR1260 5 #2	11.657	0.0	651340.206	24.6617	ng/ml		100

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

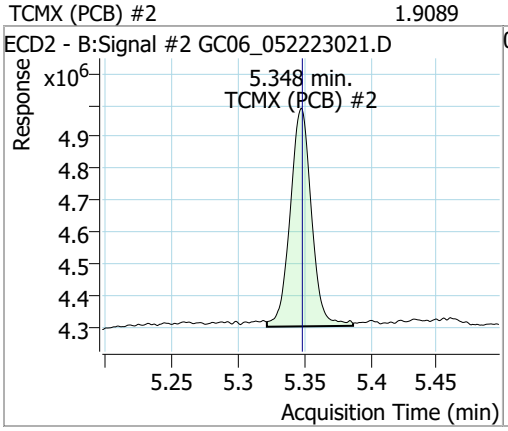
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.9792	5.00	0.00	303777				

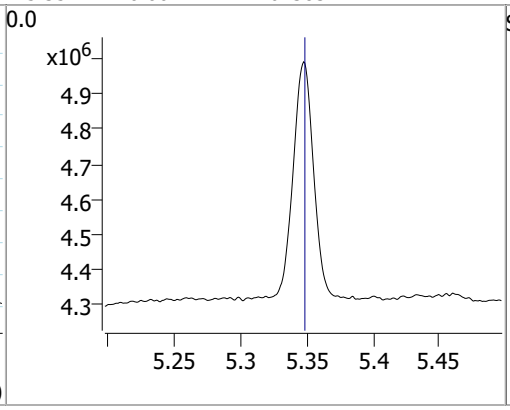


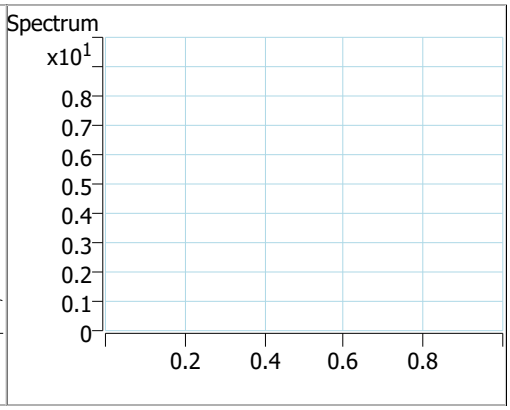




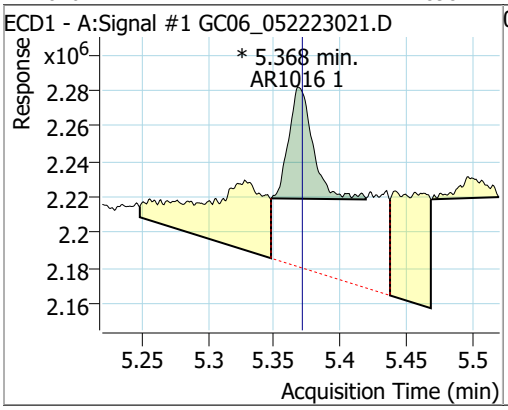
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9089	5.35	0.00	764383				

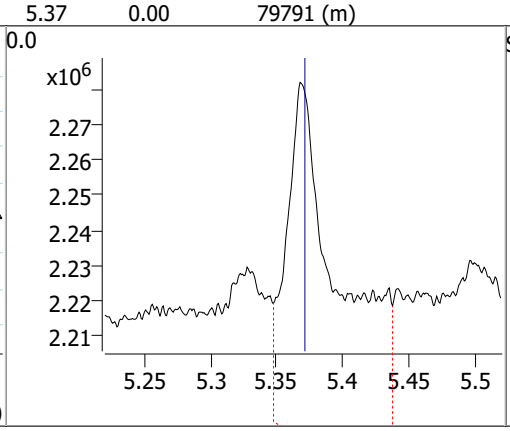


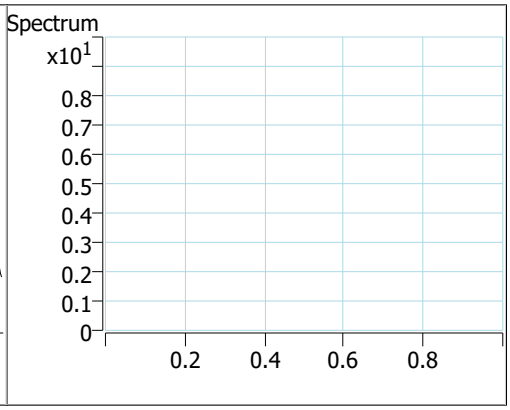




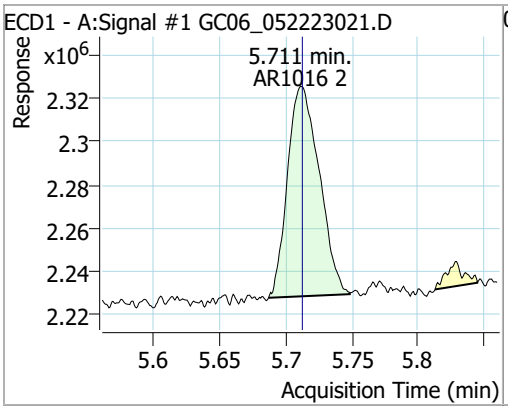
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.8987	5.37	0.00	79791 (m)				

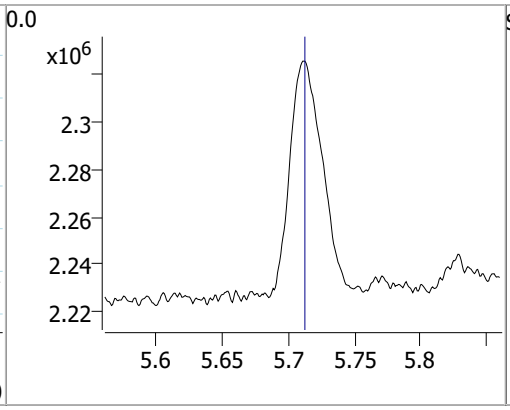


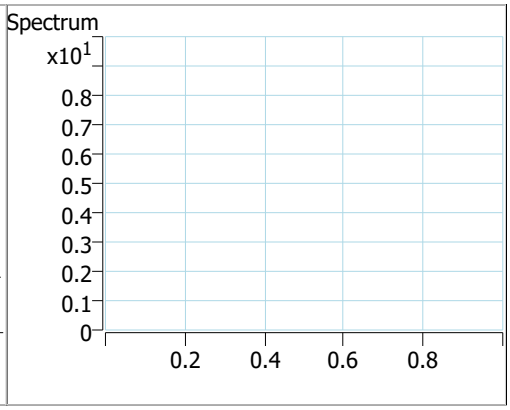




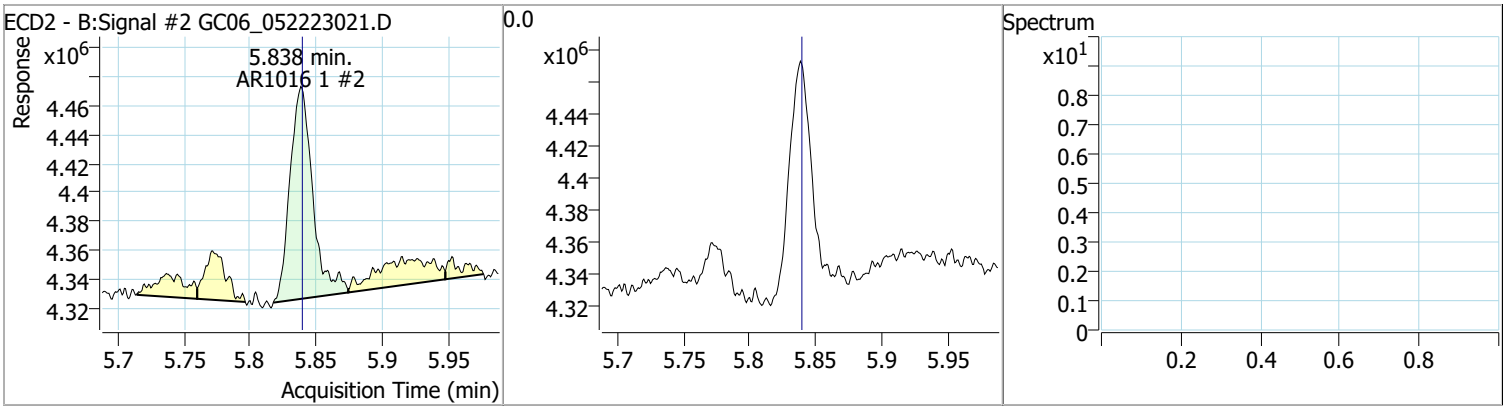
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.0351	5.71	0.00	163842				



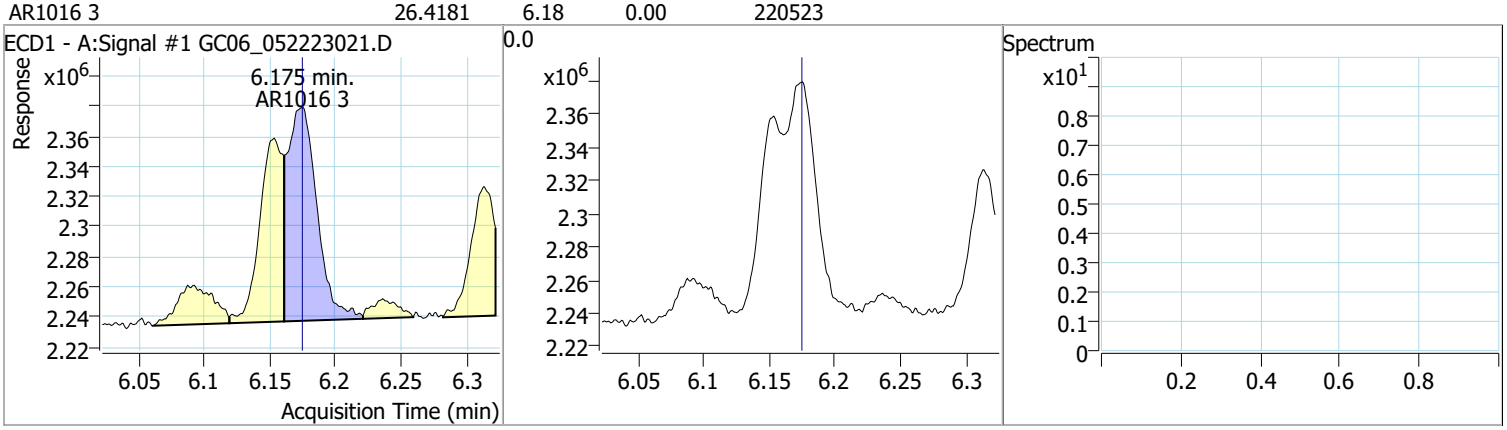




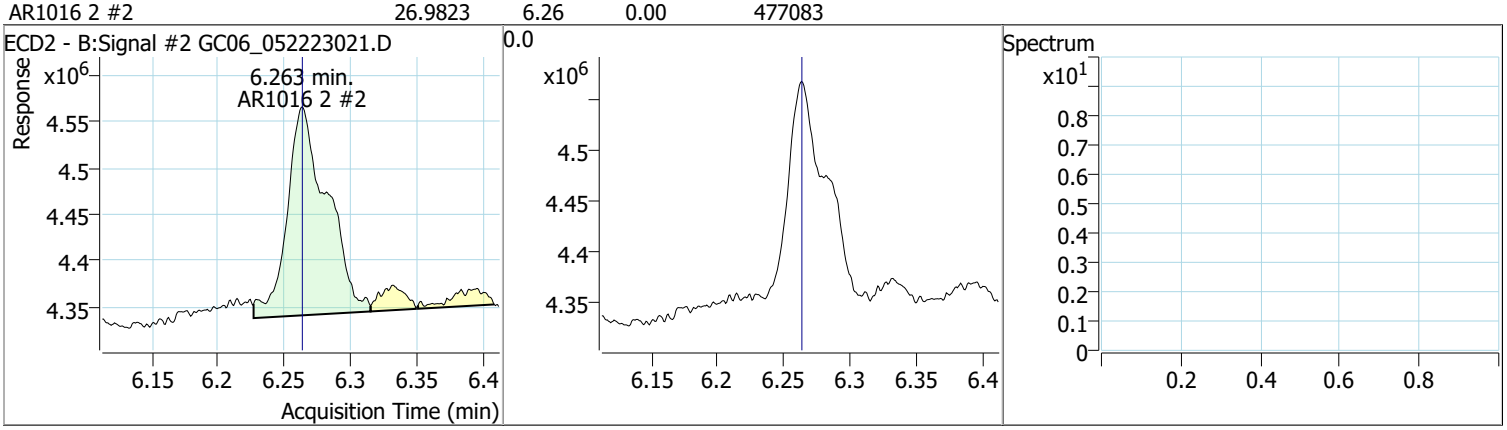
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	22.1550	5.84	0.00	174516				



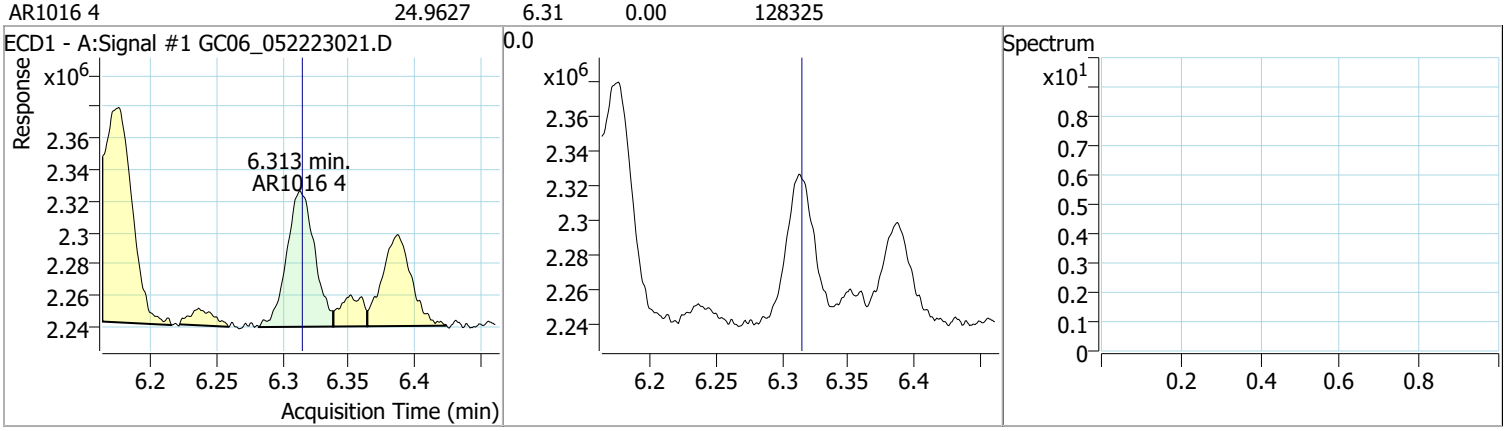
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	26.4181	6.18	0.00	220523				



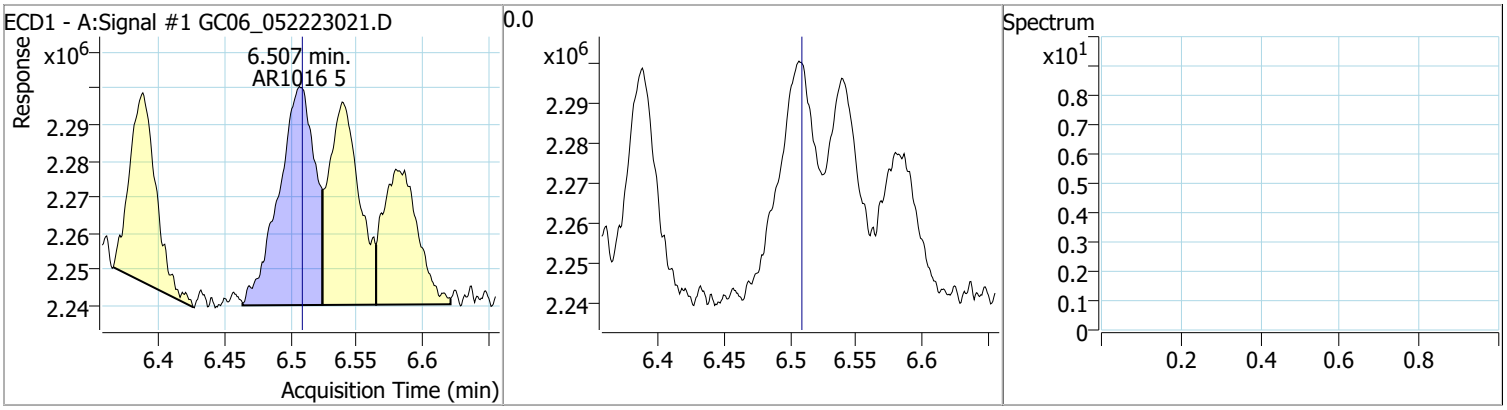
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	26.9823	6.26	0.00	477083				



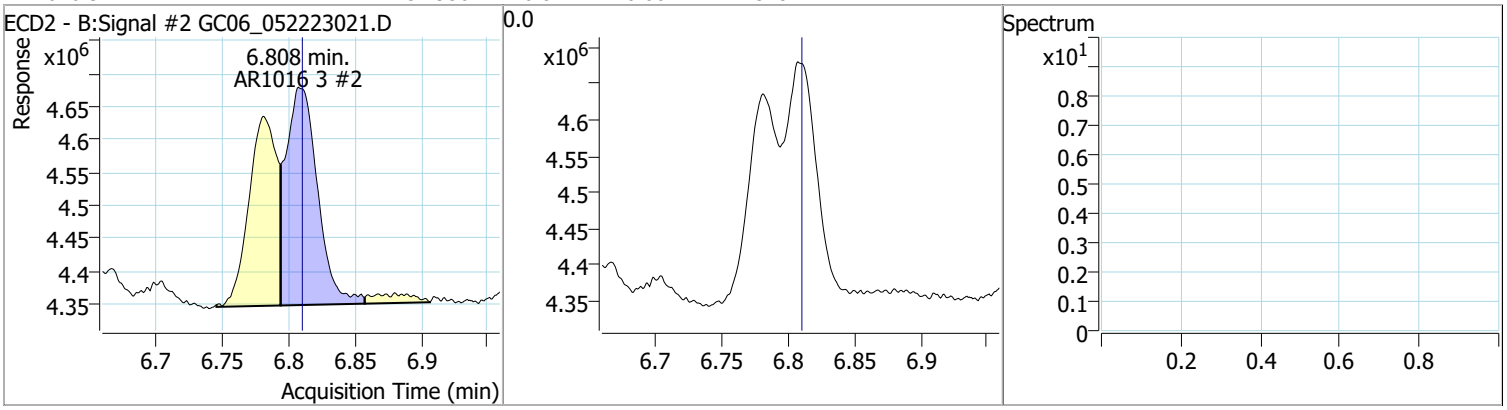
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	24.9627	6.31	0.00	128325				



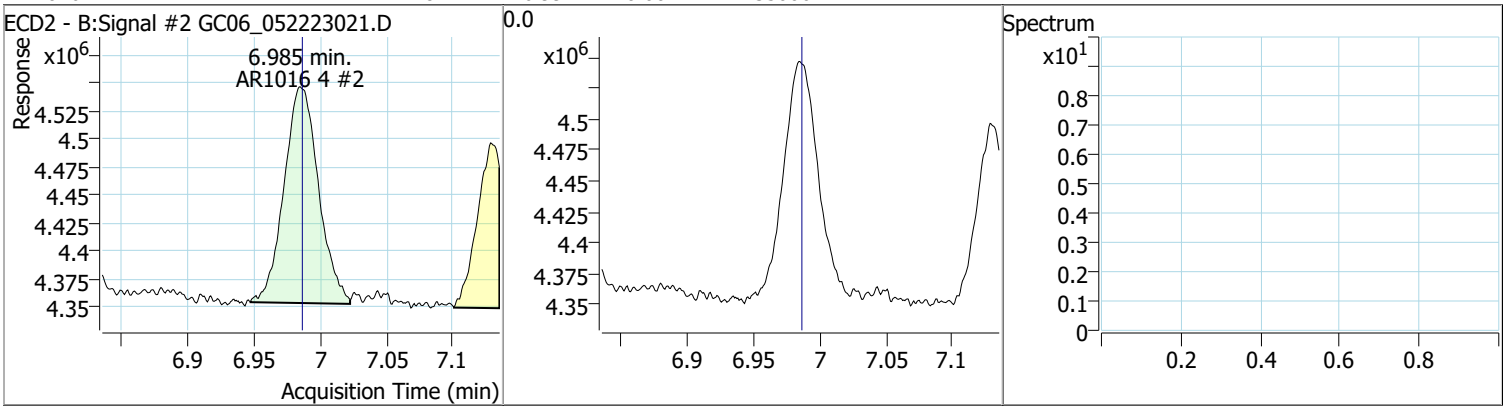
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	30.1596	6.51	0.00	115071				



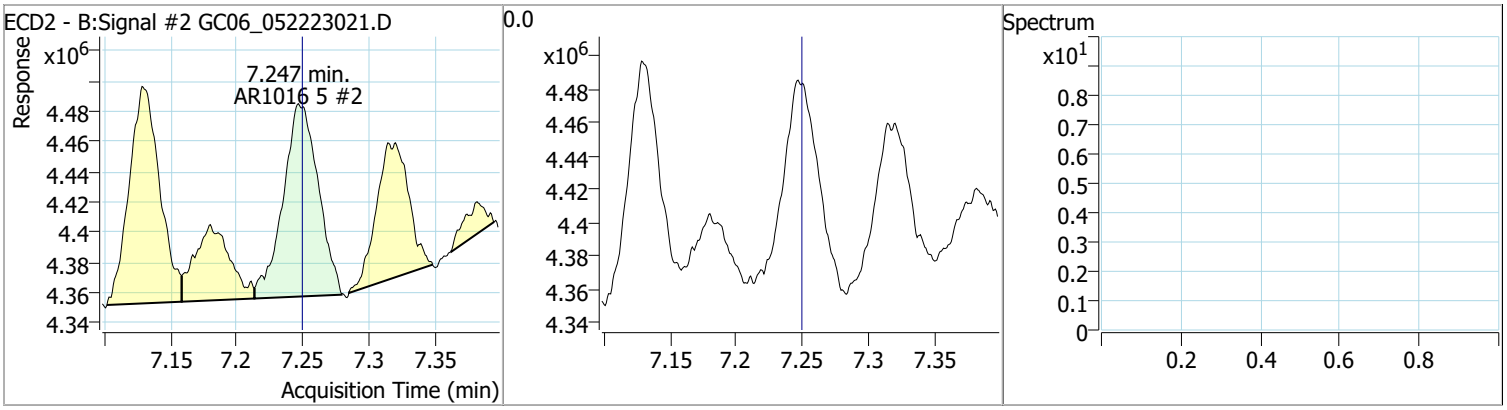
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	25.7956	6.81	0.00	548224				



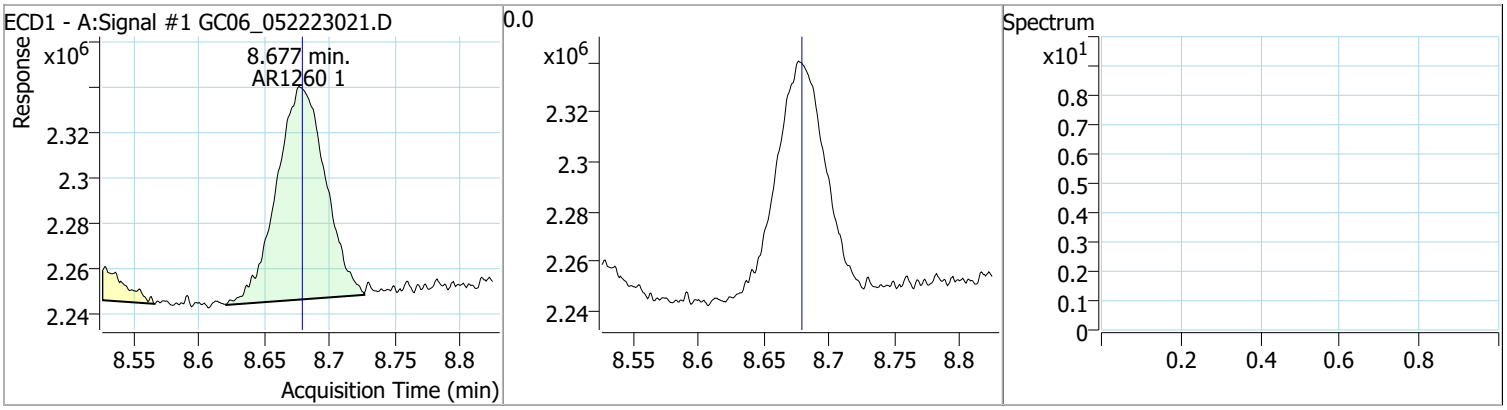
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.8447	6.99	0.00	350067				



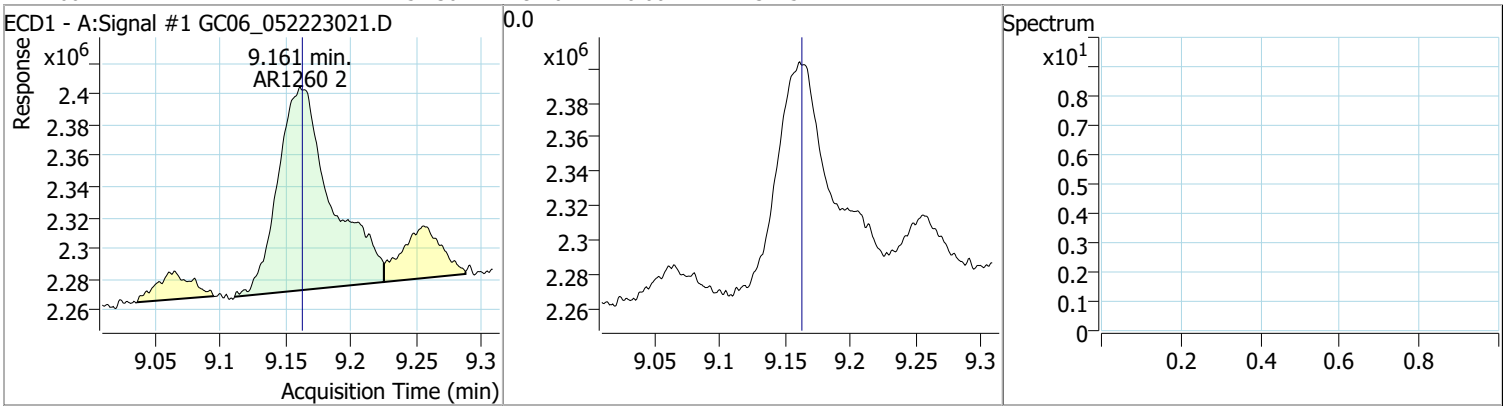
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	27.5495	7.25	0.00	236356				



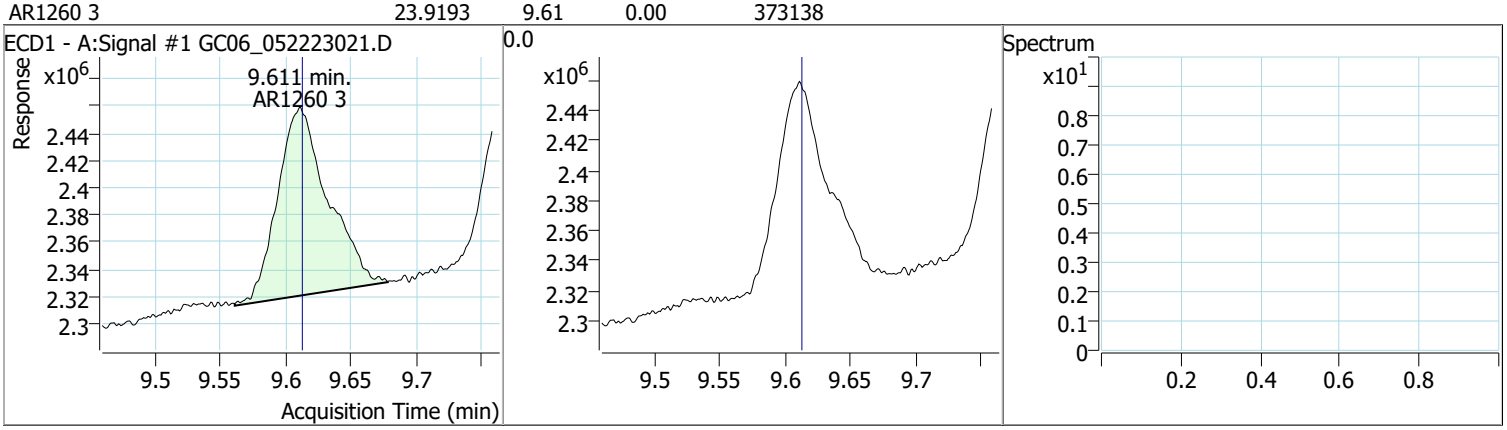
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	25.7447	8.68	0.00	246325				



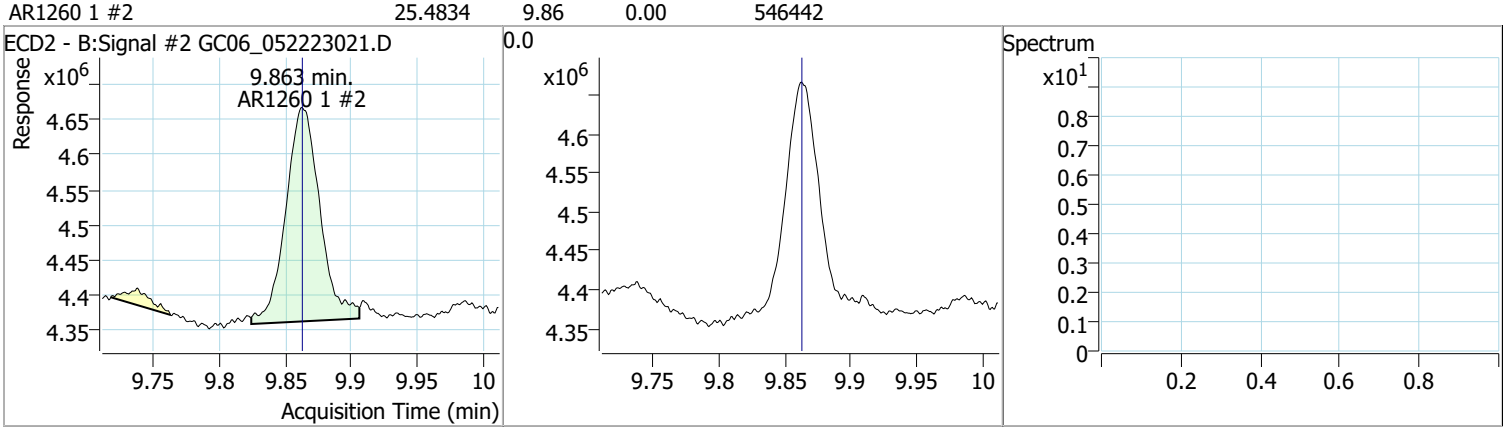
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	25.7367	9.16	0.00	374574				



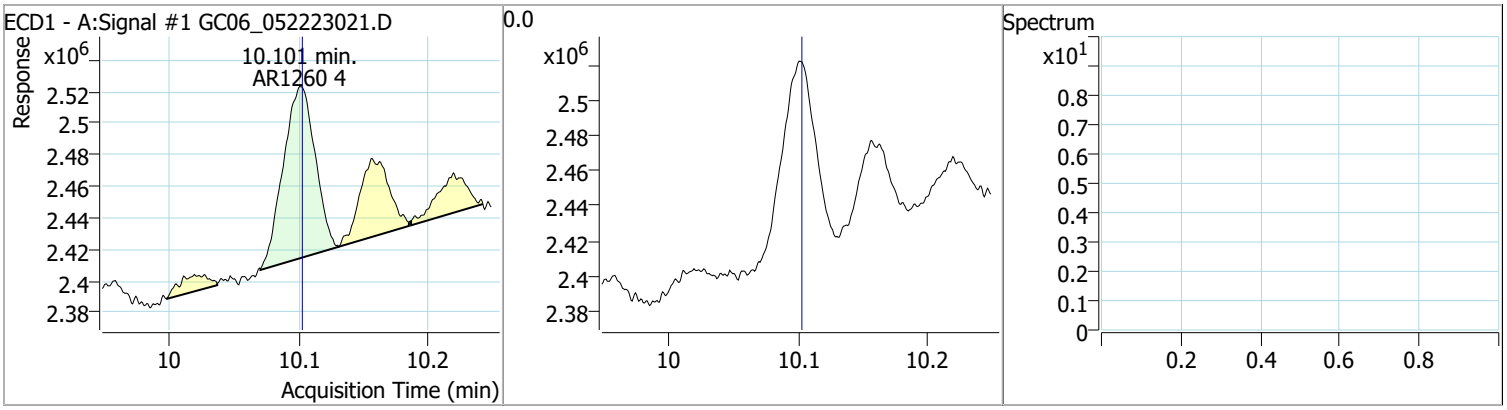
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	23.9193	9.61	0.00	373138				



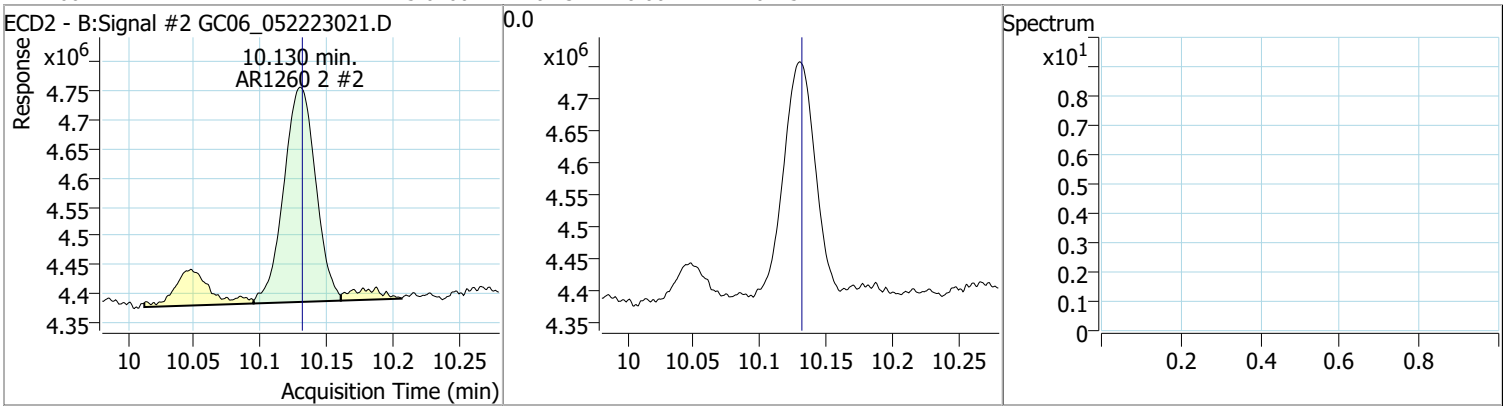
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	25.4834	9.86	0.00	546442				



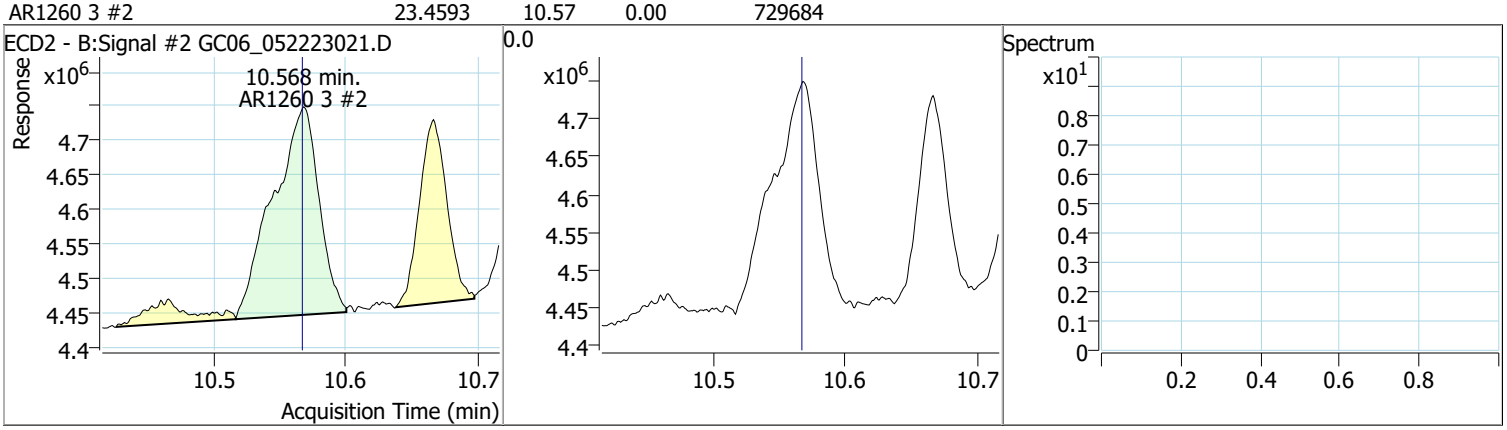
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	21.7654	10.10	0.00	185606				



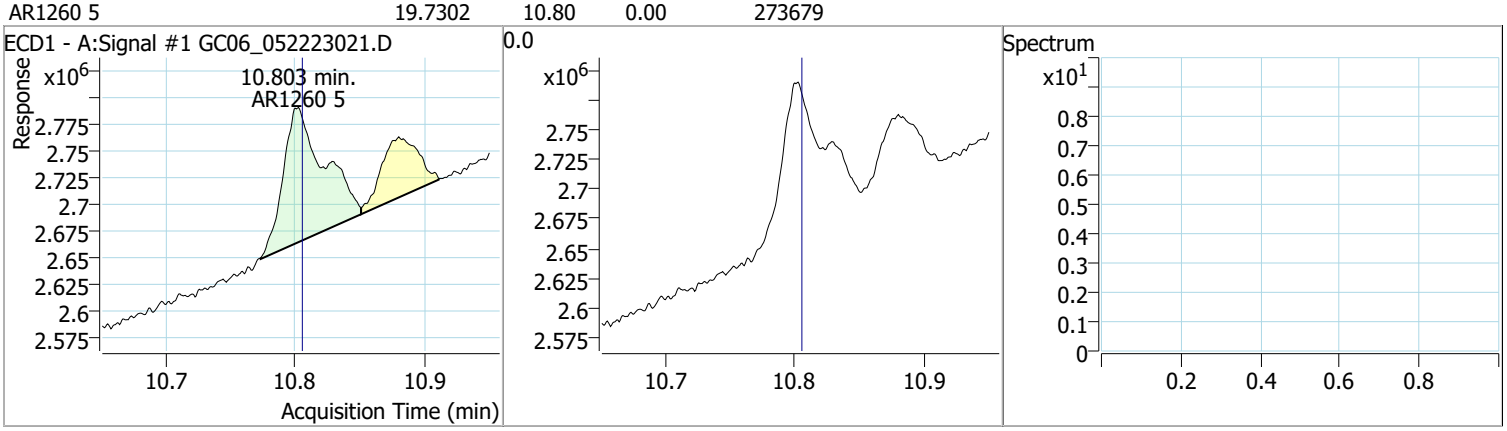
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	25.6460	10.13	0.00	621547				



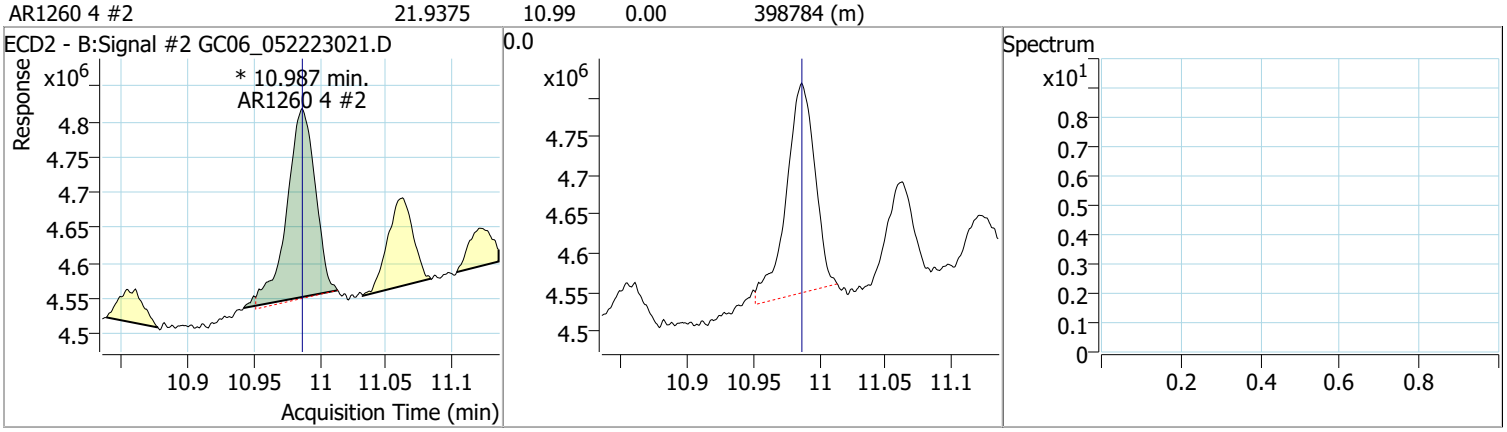
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	23.4593	10.57	0.00	729684				



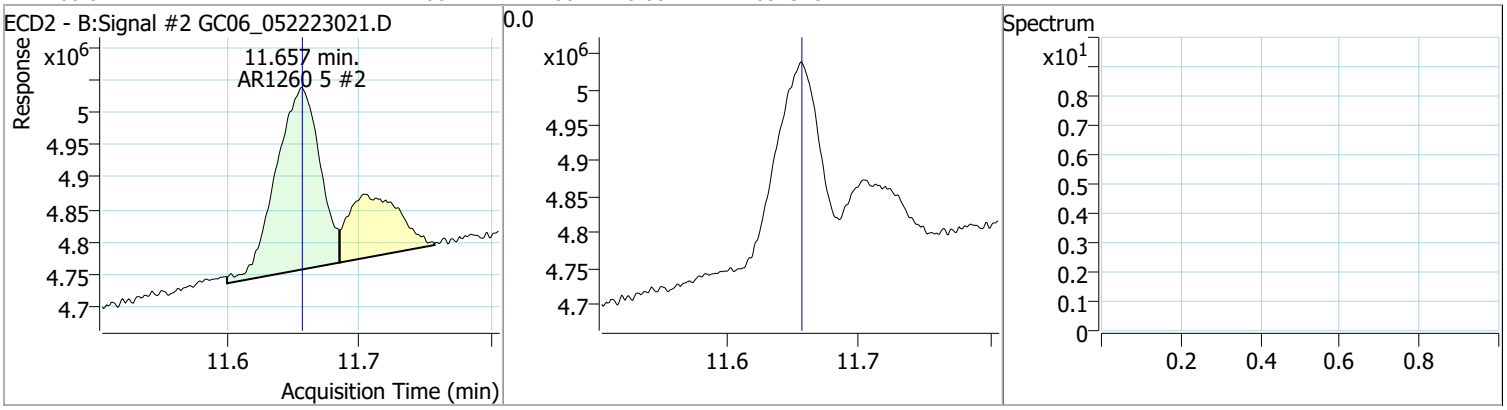
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	19.7302	10.80	0.00	273679				



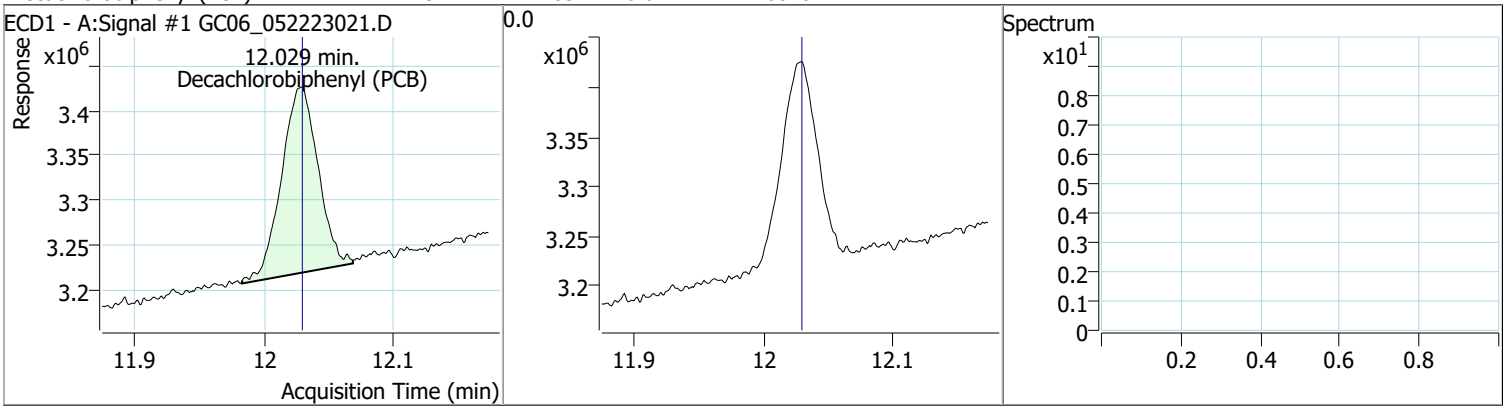
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	21.9375	10.99	0.00	398784 (m)				



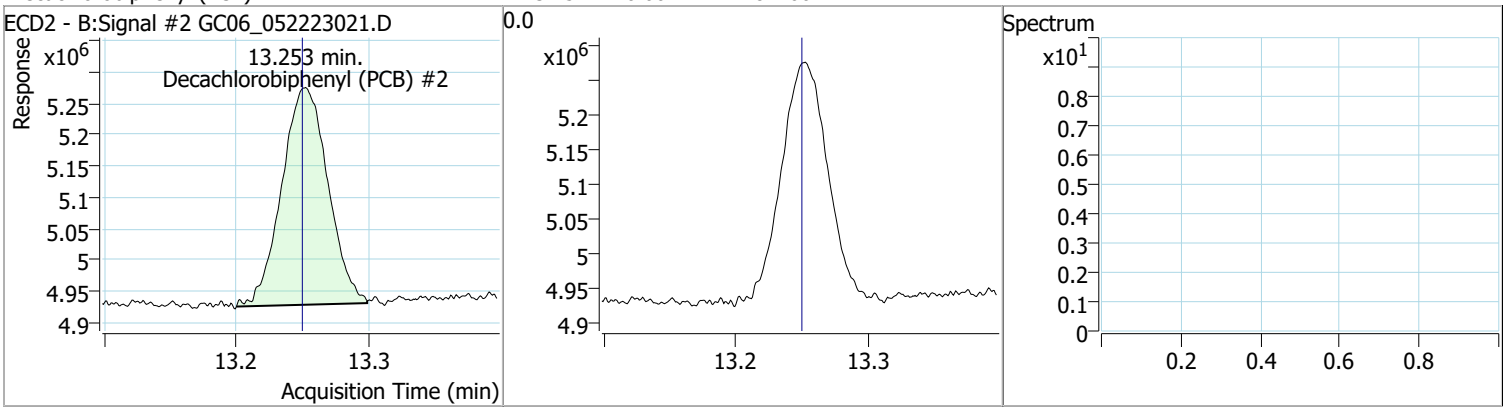
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	24.6617	11.66	0.00	651340				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.1312	12.03	0.01	408401				

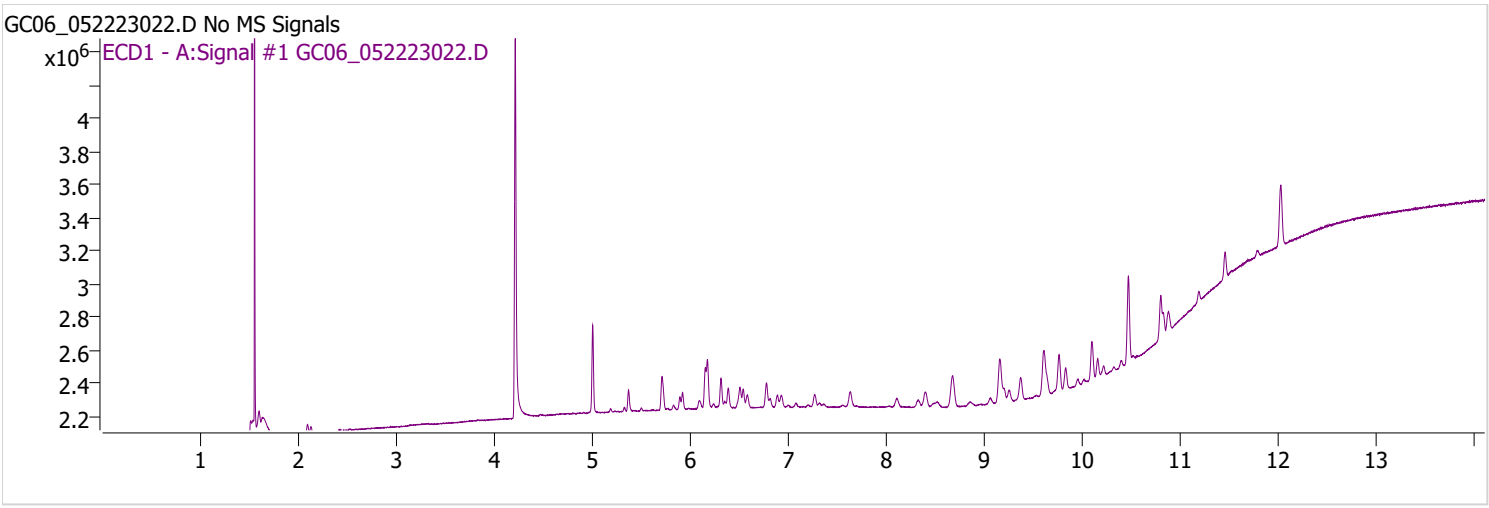


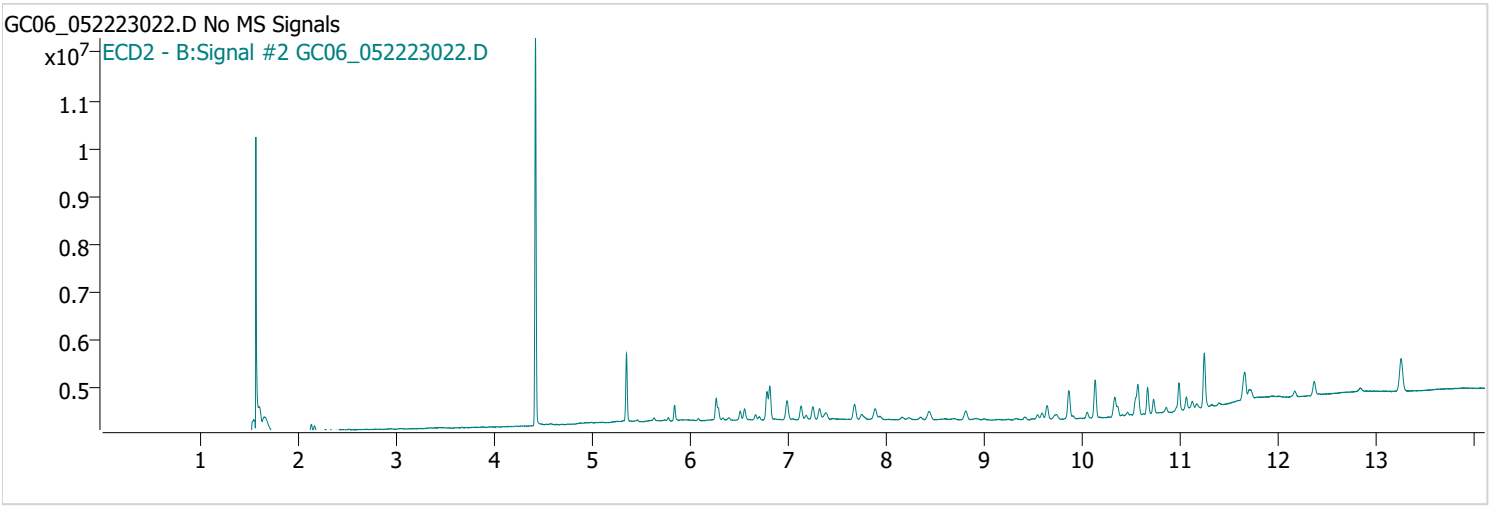
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.1227	13.25	0.00	844002				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223022.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 8:43:12 PM
Sample Name	ICAL, S18181	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



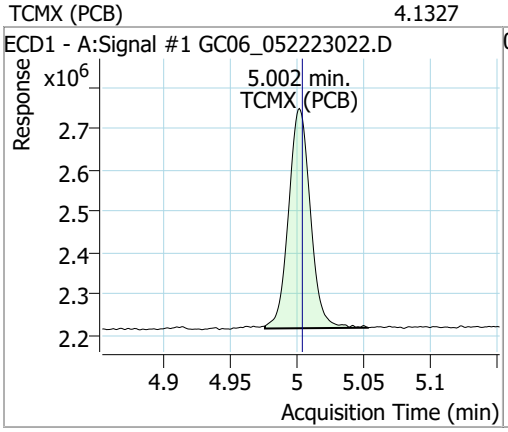


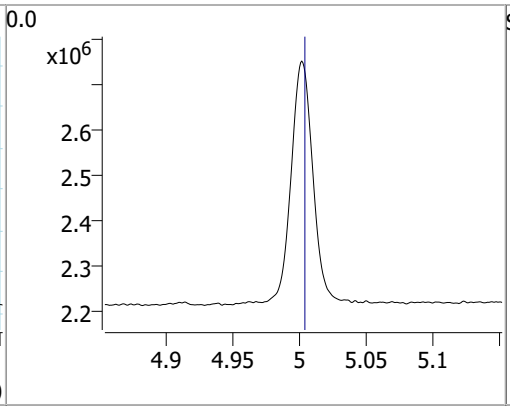
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.212	0.0	2781470.052	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	7279227.004	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.002	0.0	609354.312	4.1327	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.66%		*	
S TCMX (PCB) #2	5.347	0.0	1550920.509	4.0281	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.14%		*	
S Decachlorobiphenyl (PCB)	12.025	0.0	745781.080	4.0511	ng/ml		0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.26%		*	
S Decachlorobiphenyl (PCB) #2	13.251	0.0	1608412.437	4.2070	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.03%		*	
Target Compounds							QValue
T AR1016 1	5.368	0.0	170540.954	55.3958	ng/ml		100

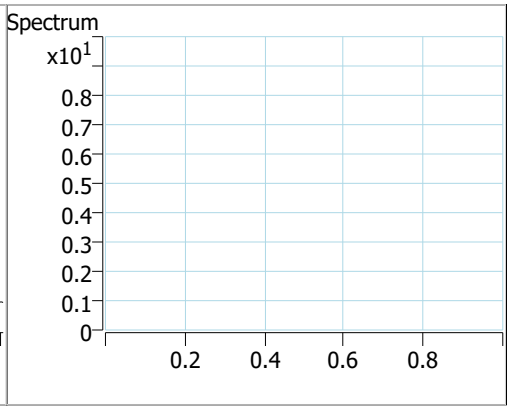
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.710	0.0	360225.003	57.2961	ng/ml		100
T AR1016 1 #2	5.838	0.0	401206.504	52.9711	ng/ml		100
T AR1016 3	6.173	0.0	440222.763	54.8967	ng/ml		100
T AR1016 2 #2	6.263	0.0	916186.565	53.8895	ng/ml		100
T AR1016 4	6.311	0.0	255106.188	51.6567	ng/ml		100
T AR1016 5	6.505	0.0	238869.088	65.1697	ng/ml		100
T AR1016 3 #2	6.809	0.0	1149843.602	56.2678	ng/ml		100
T AR1016 4 #2	6.985	0.0	759546.436	51.5494	ng/ml		100
T AR1016 5 #2	7.249	0.0	438386.305	53.1421	ng/ml		100
T AR1260 1	8.675	0.0	494730.824	53.8238	ng/ml		100
T AR1260 2	9.157	0.0	759997.467	54.3568	ng/ml		100
T AR1260 3	9.608	0.0	748707.497	49.9593	ng/ml		100
T AR1260 1 #2	9.861	0.0	1076849.307	52.2279	ng/ml		100
T AR1260 4	10.096	0.0	412655.823	50.3719	ng/ml		100
T AR1260 2 #2	10.129	0.0	1265019.653	54.2847	ng/ml		100
T AR1260 3 #2	10.566	0.0	1471627.934	49.2054	ng/ml		100
T AR1260 5	10.800	0.0	608490.548	45.6637	ng/ml	m	100
T AR1260 4 #2	10.985	0.0	897655.785	51.3563	ng/ml		100
T AR1260 5 #2	11.655	0.0	1331118.849	52.4162	ng/ml		100

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

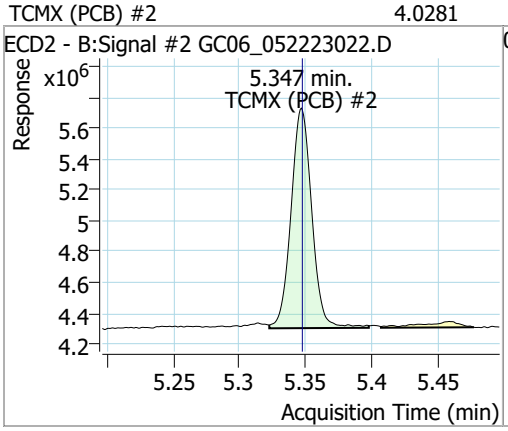
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.1327	5.00	0.00	609354				

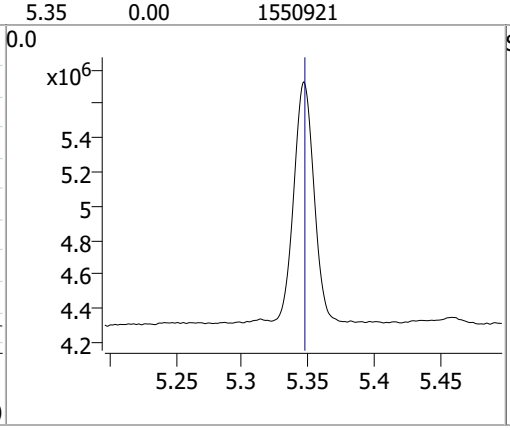


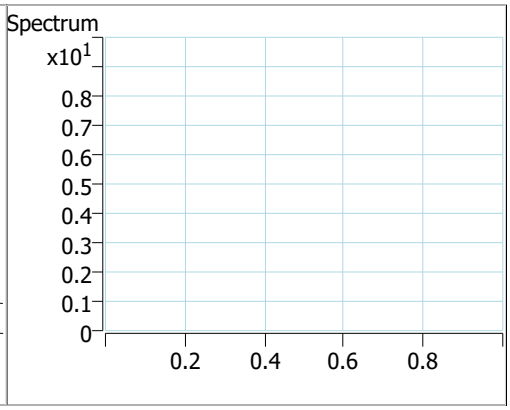




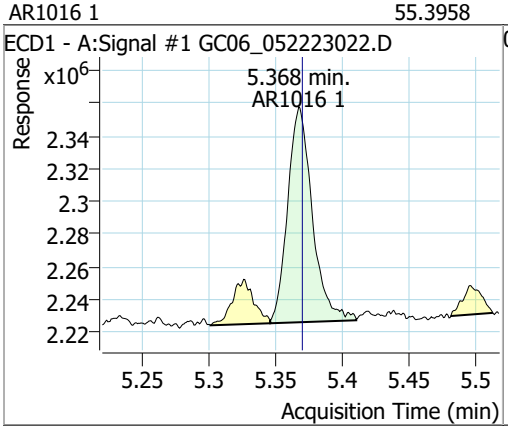
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.0281	5.35	0.00	1550921				

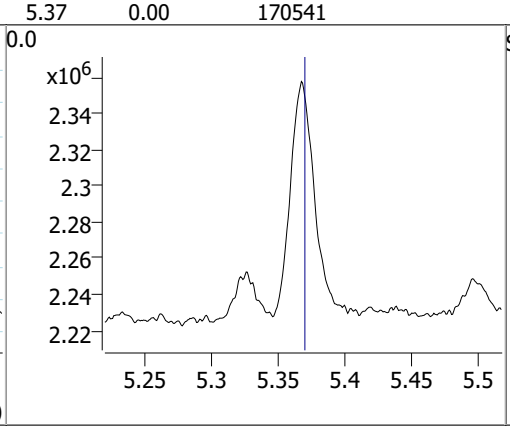


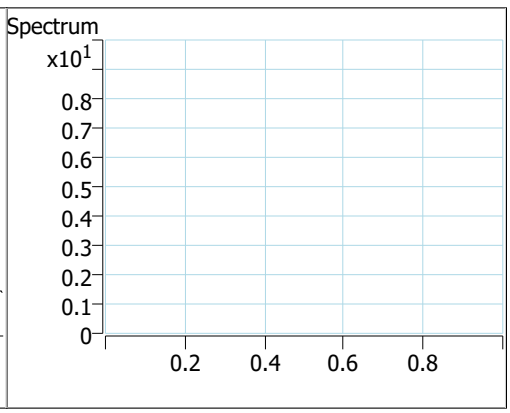




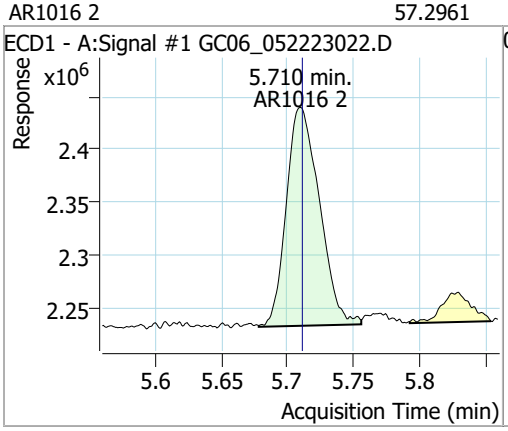
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	55.3958	5.37	0.00	170541				

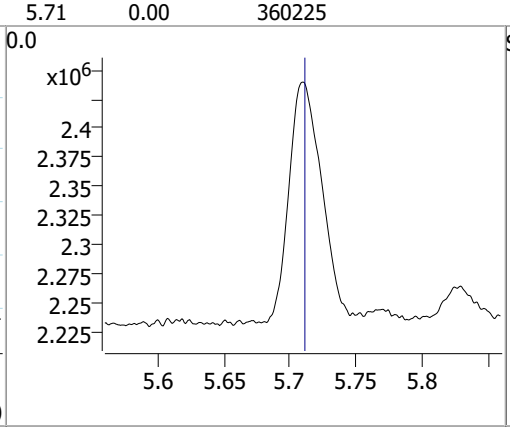


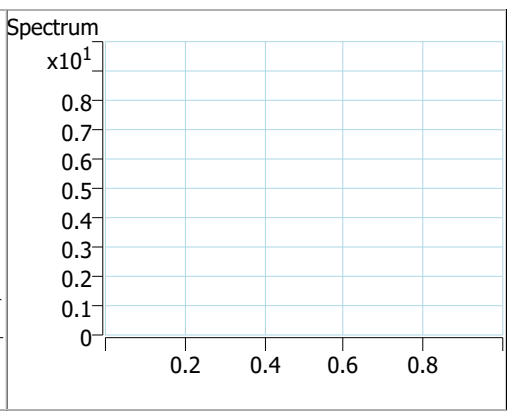




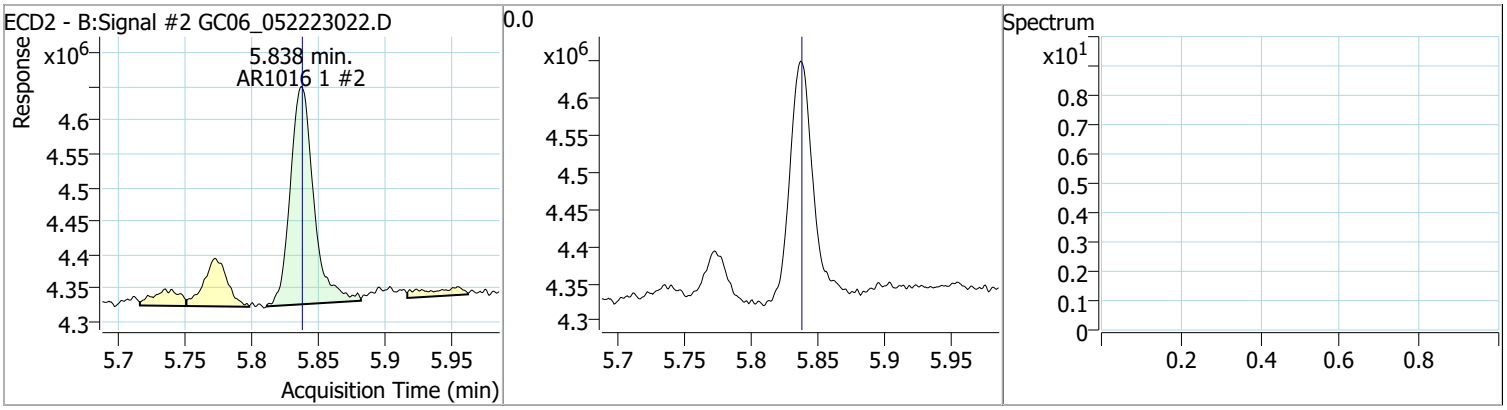
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	57.2961	5.71	0.00	360225				



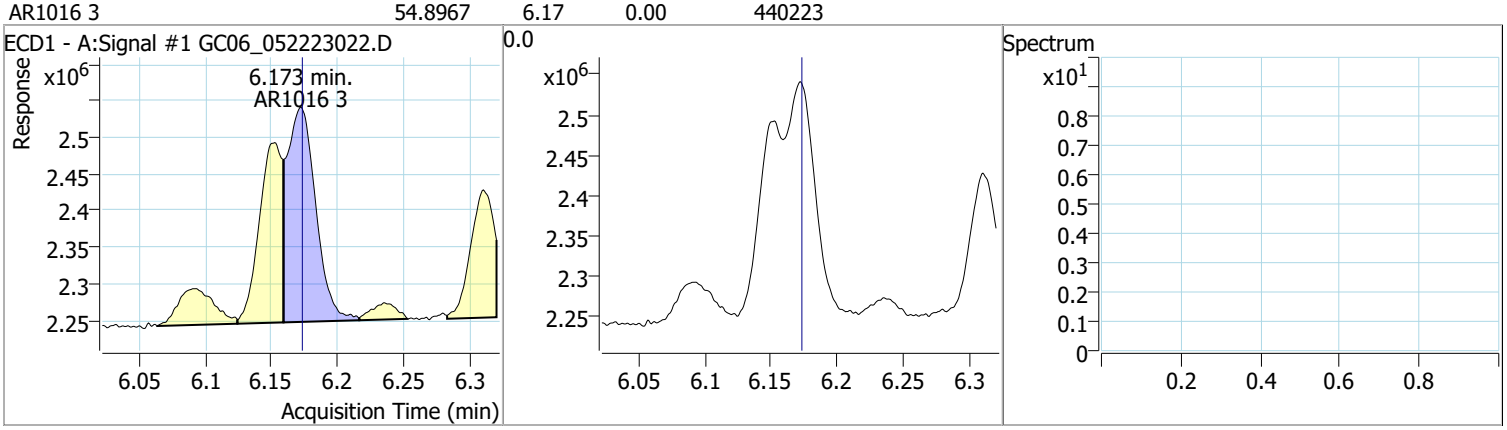




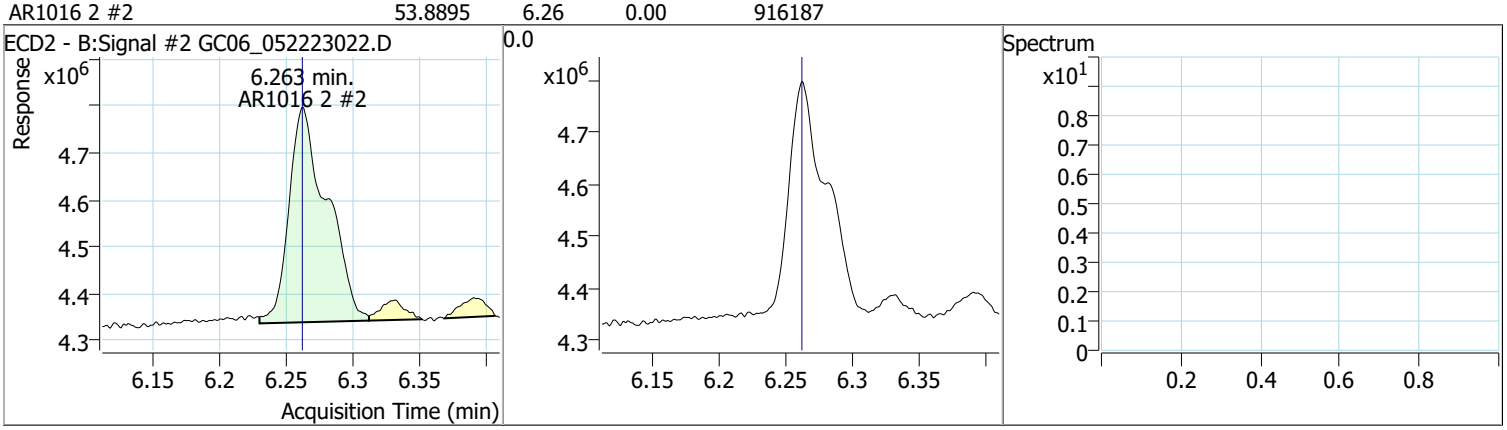
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	52.9711	5.84	0.00	401207				



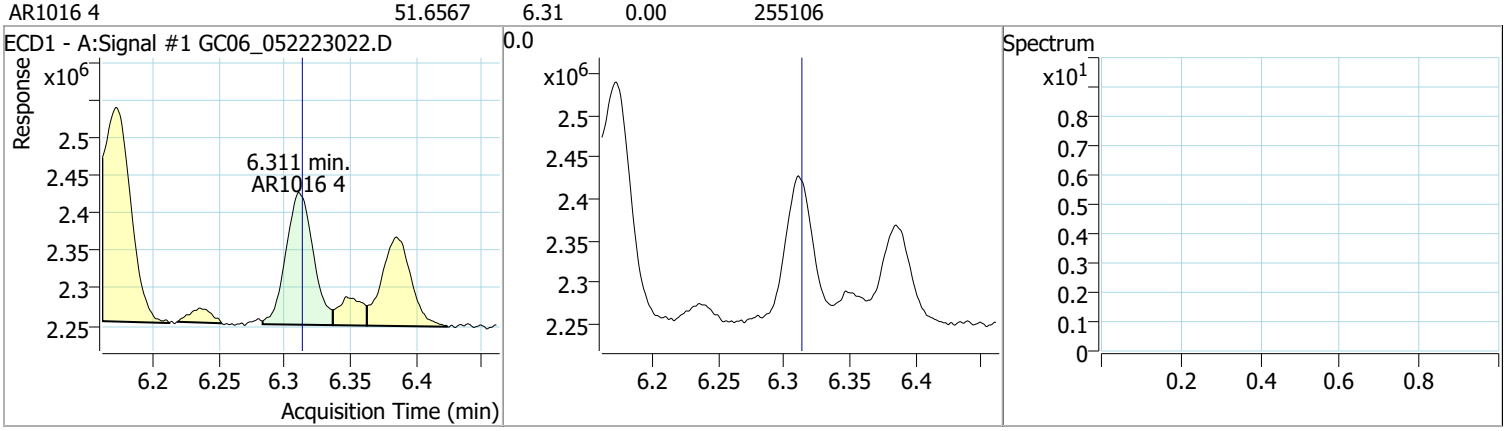
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.8967	6.17	0.00	440223				



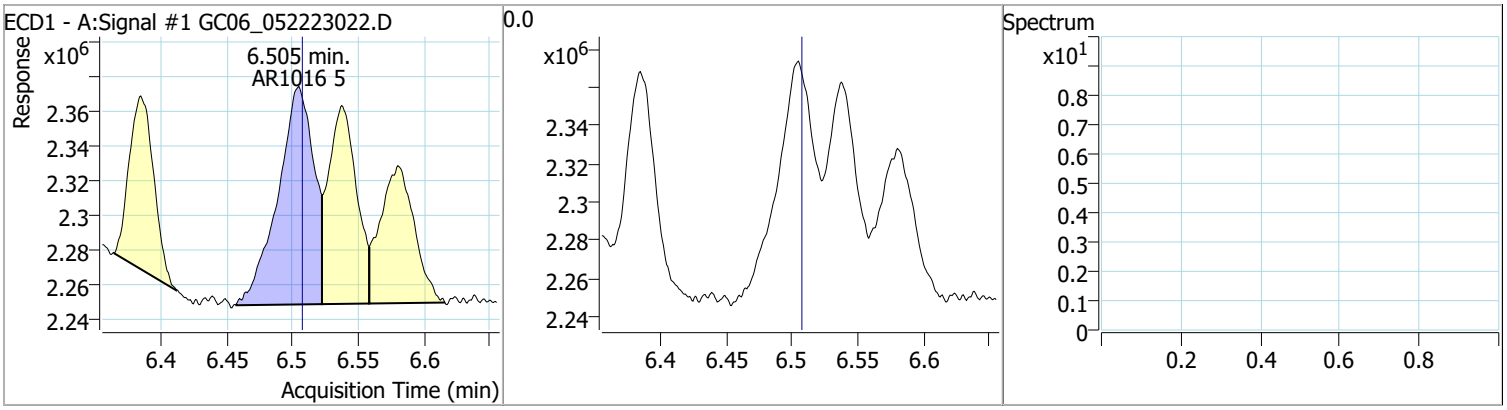
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	53.8895	6.26	0.00	916187				



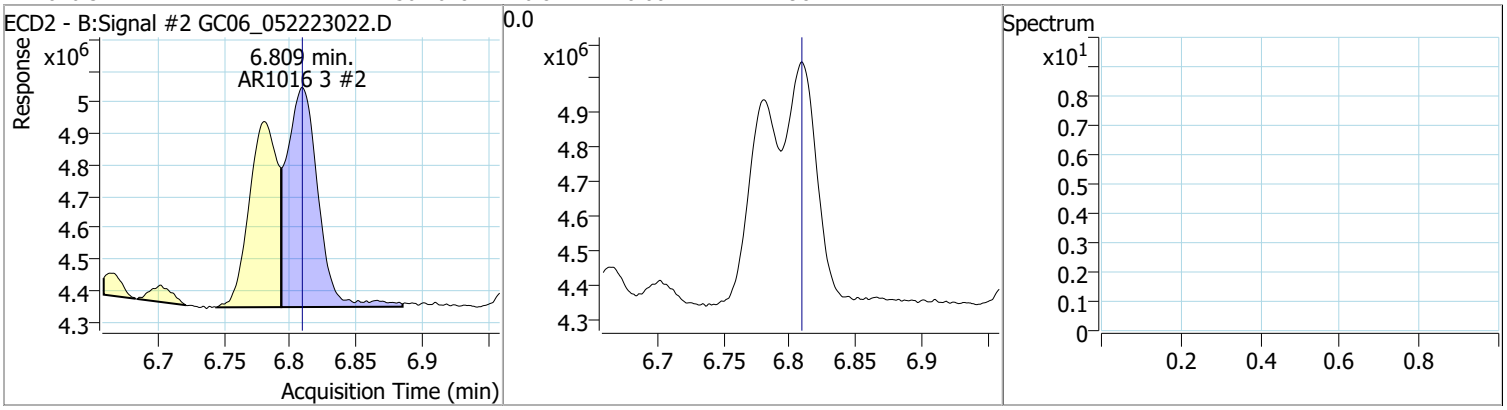
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	51.6567	6.31	0.00	255106				



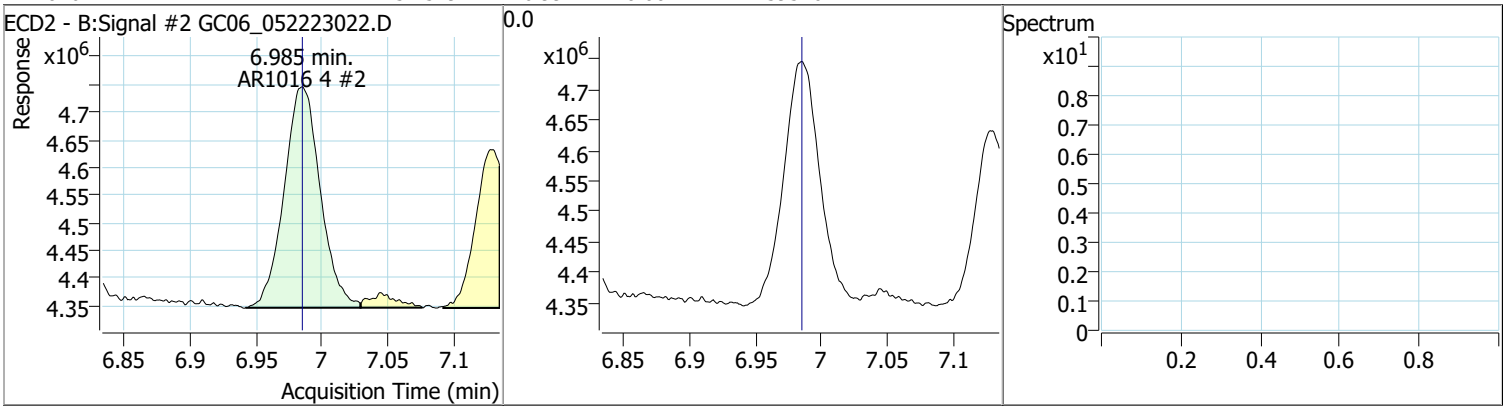
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	65.1697	6.51	0.00	238869				



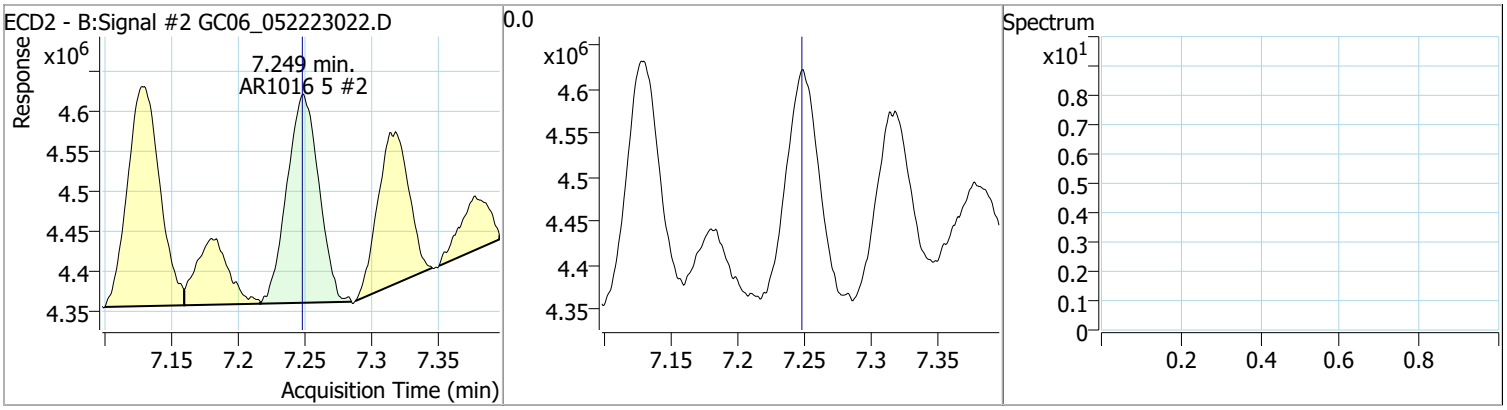
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	56.2678	6.81	0.00	1149844				



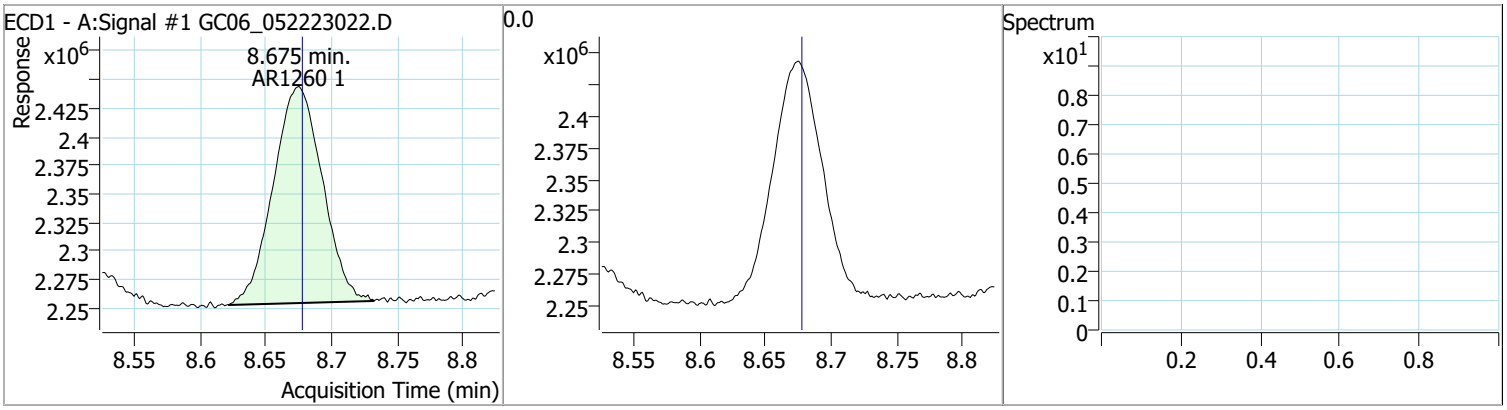
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	51.5494	6.99	0.00	759546				



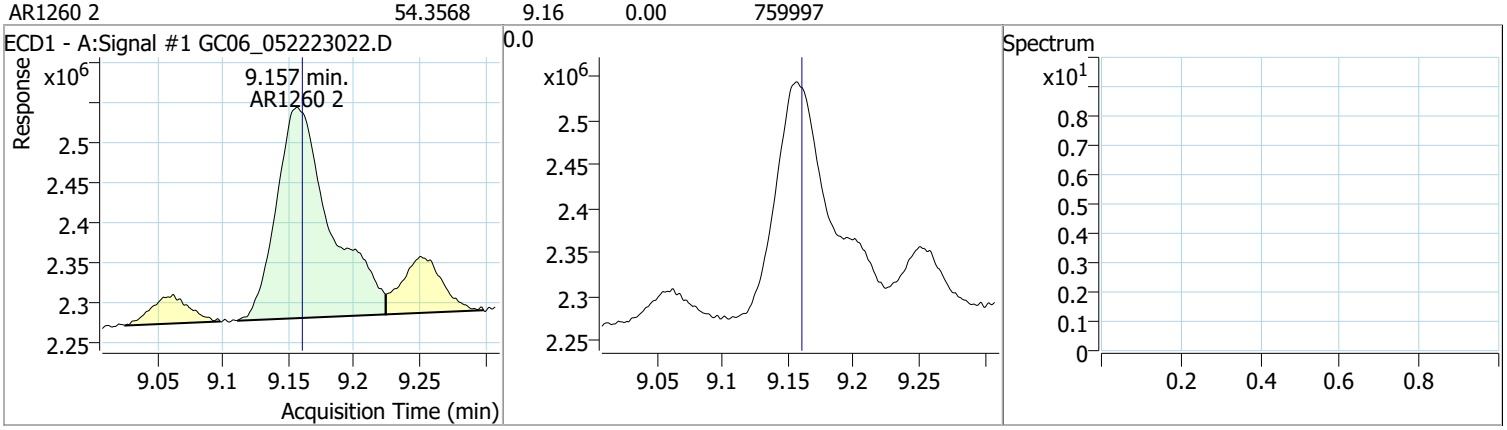
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	53.1421	7.25	0.00	438386				



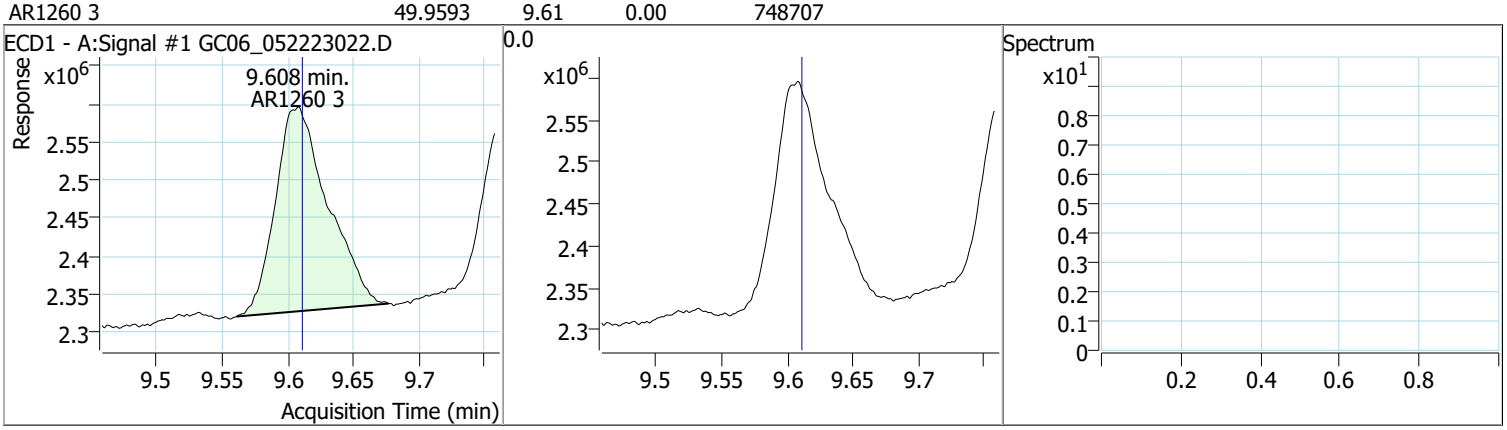
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.8238	8.68	0.00	494731				



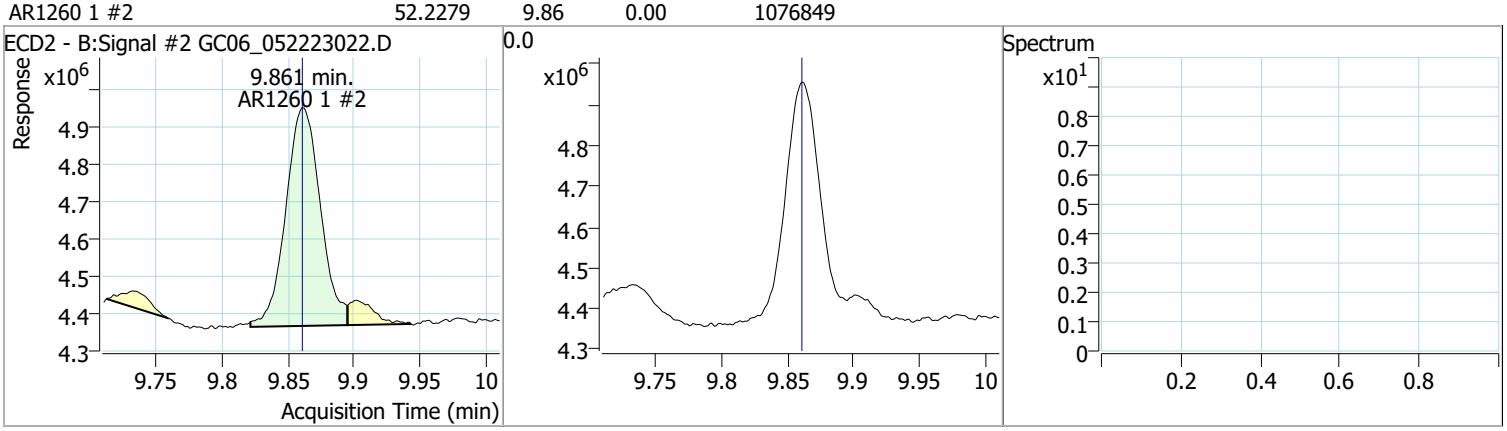
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	54.3568	9.16	0.00	759997				



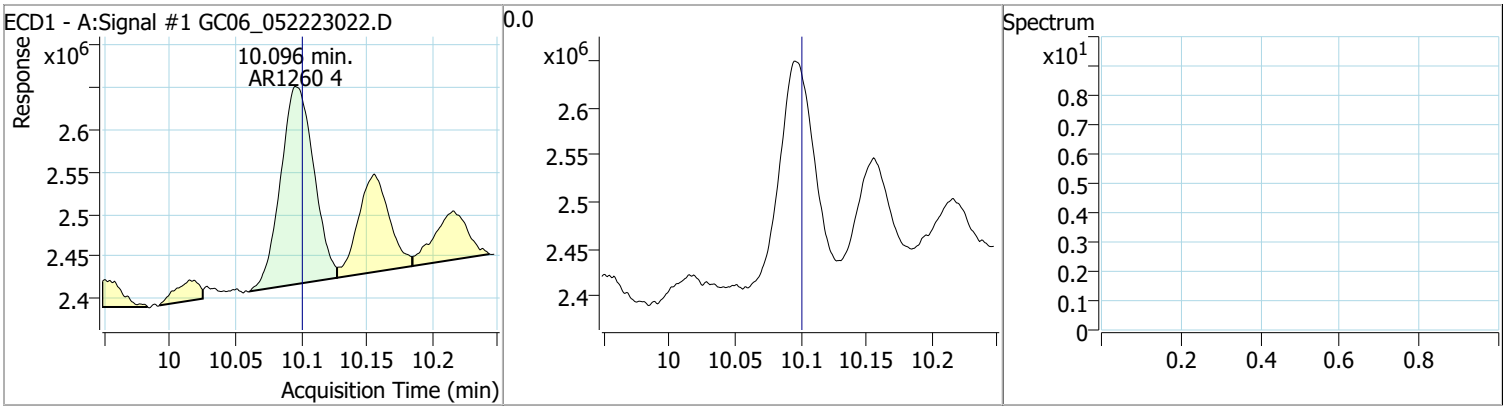
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	49.9593	9.61	0.00	748707				



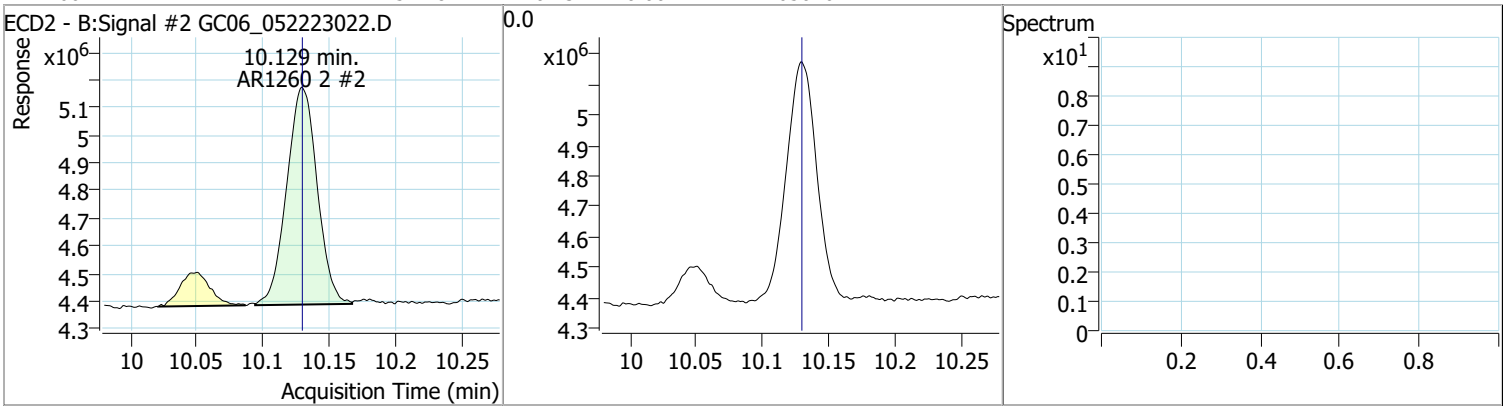
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	52.2279	9.86	0.00	1076849				



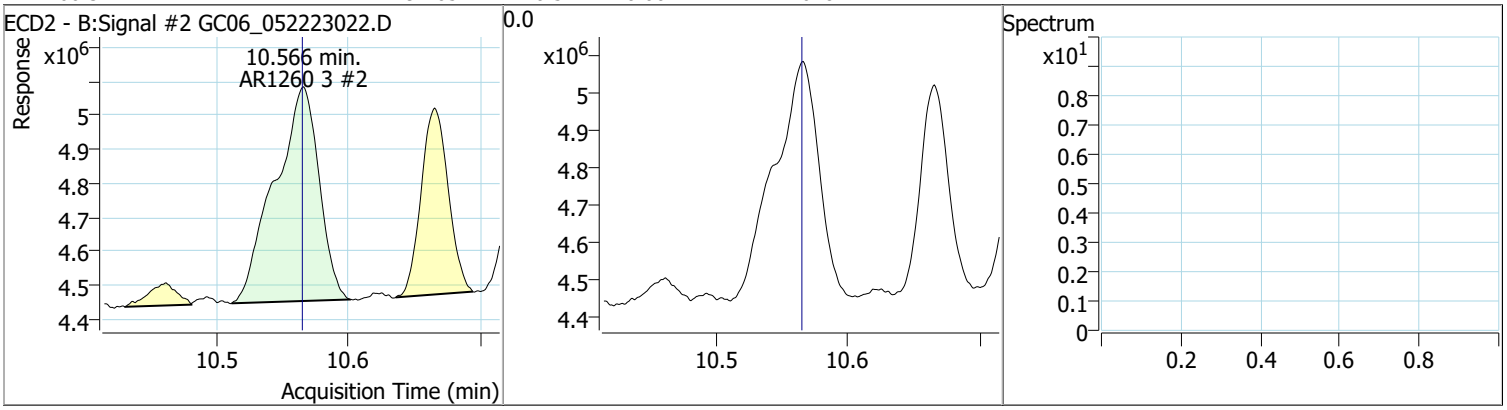
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	50.3719	10.10	0.00	412656				



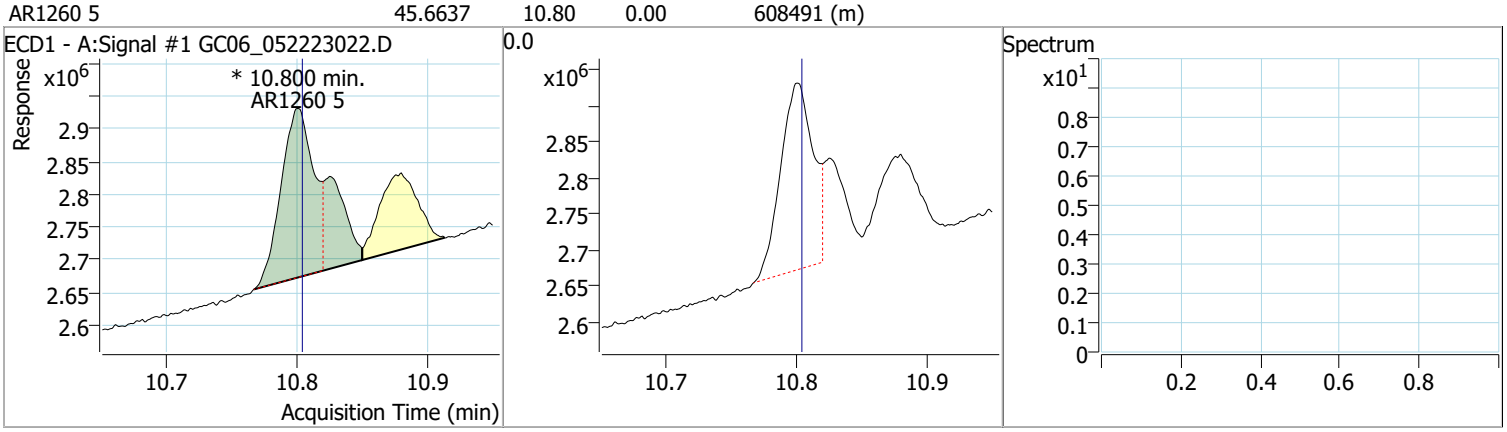
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	54.2847	10.13	0.00	1265020				



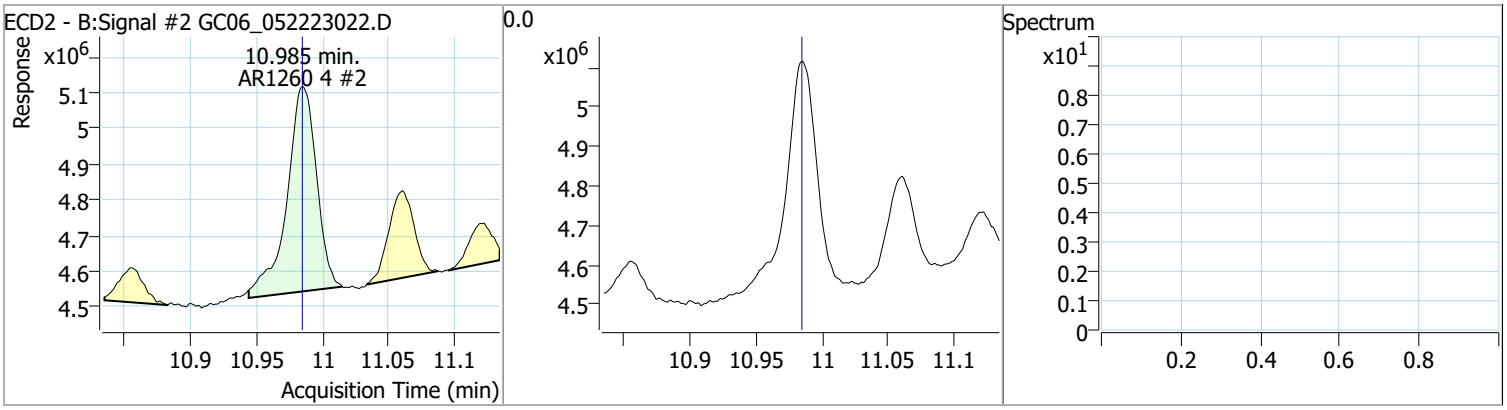
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	49.2054	10.57	0.00	1471628				



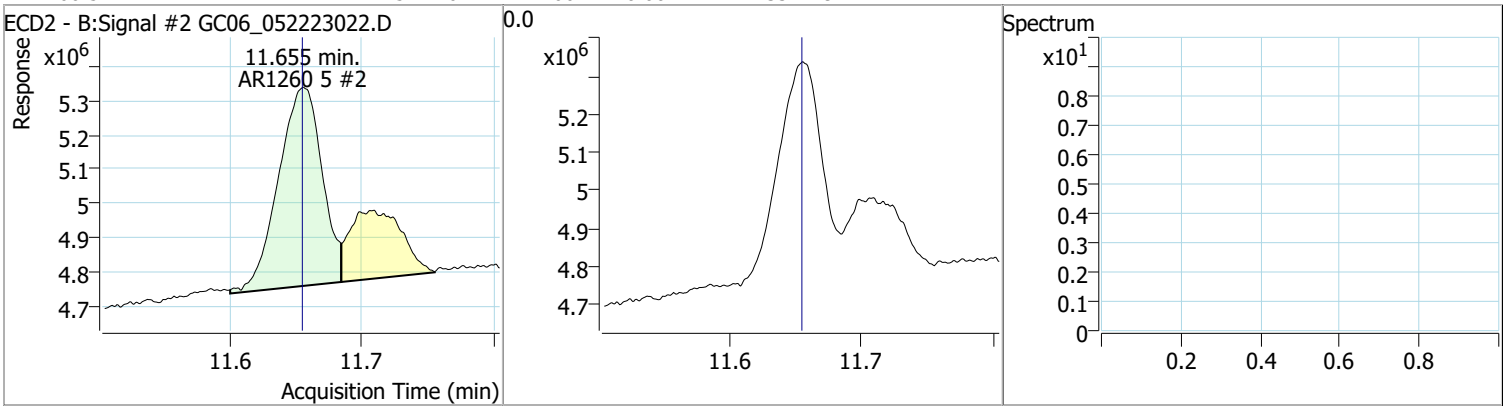
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	45.6637	10.80	0.00	608491 (m)				



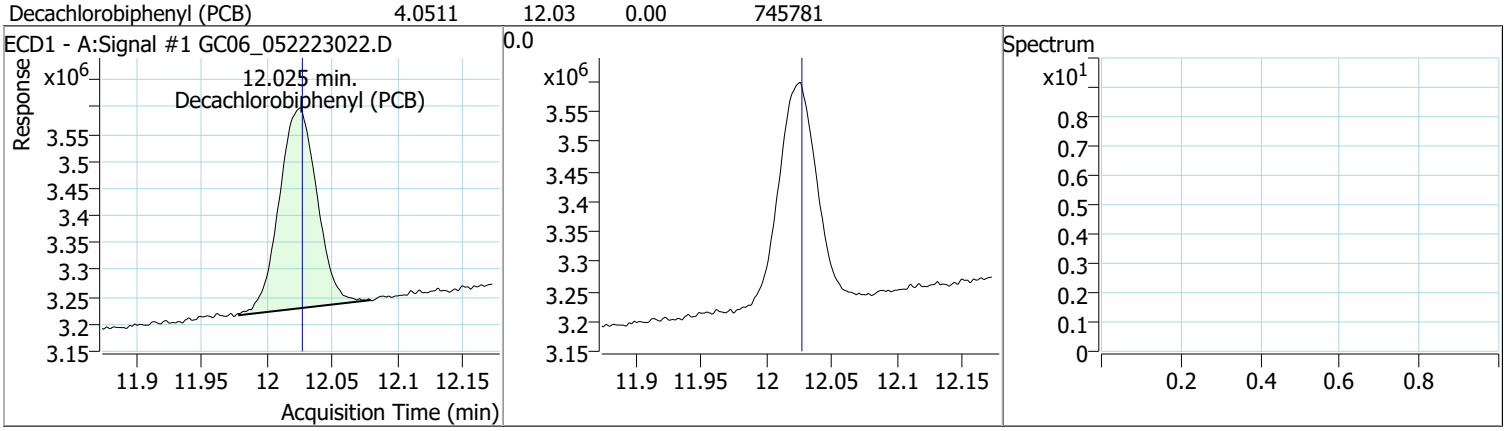
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	51.3563	10.99	0.00	897656				



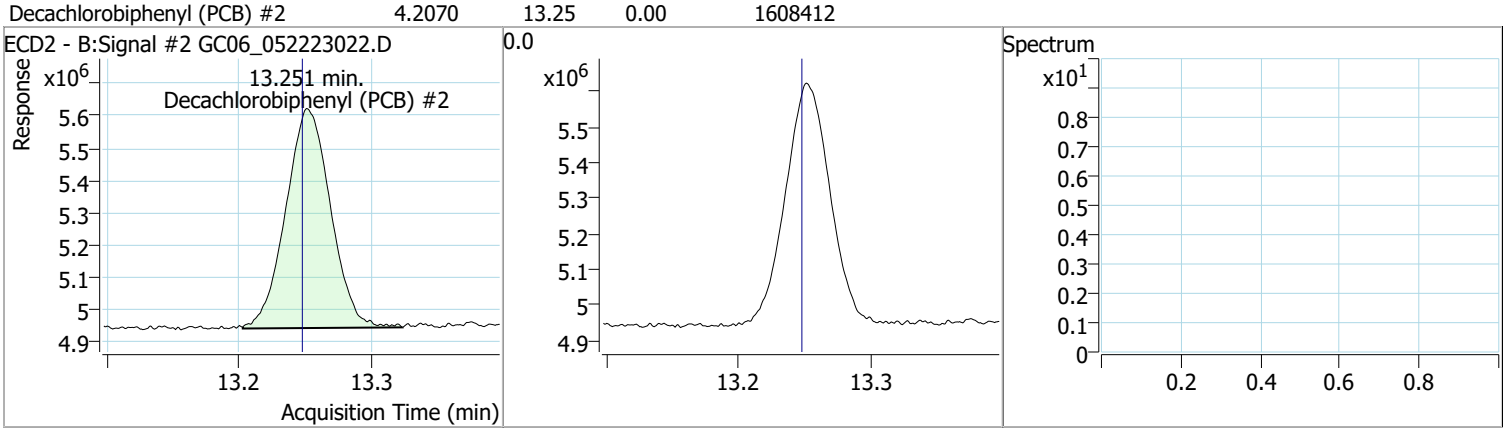
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.4162	11.66	0.00	1331119				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.0511	12.03	0.00	745781				

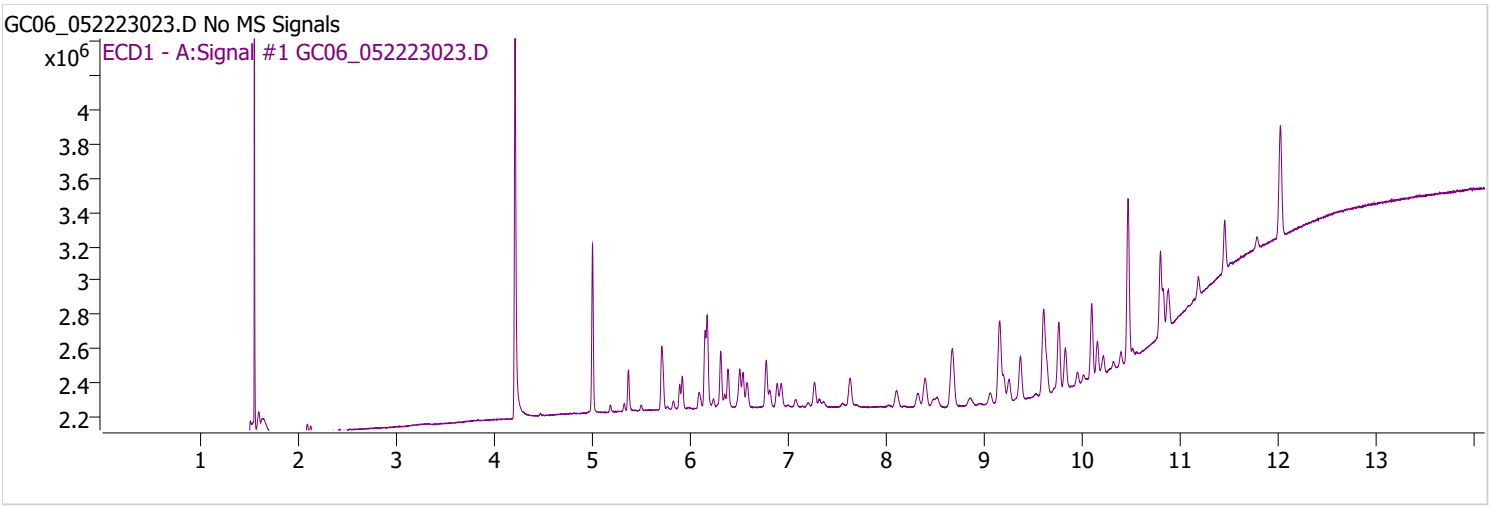


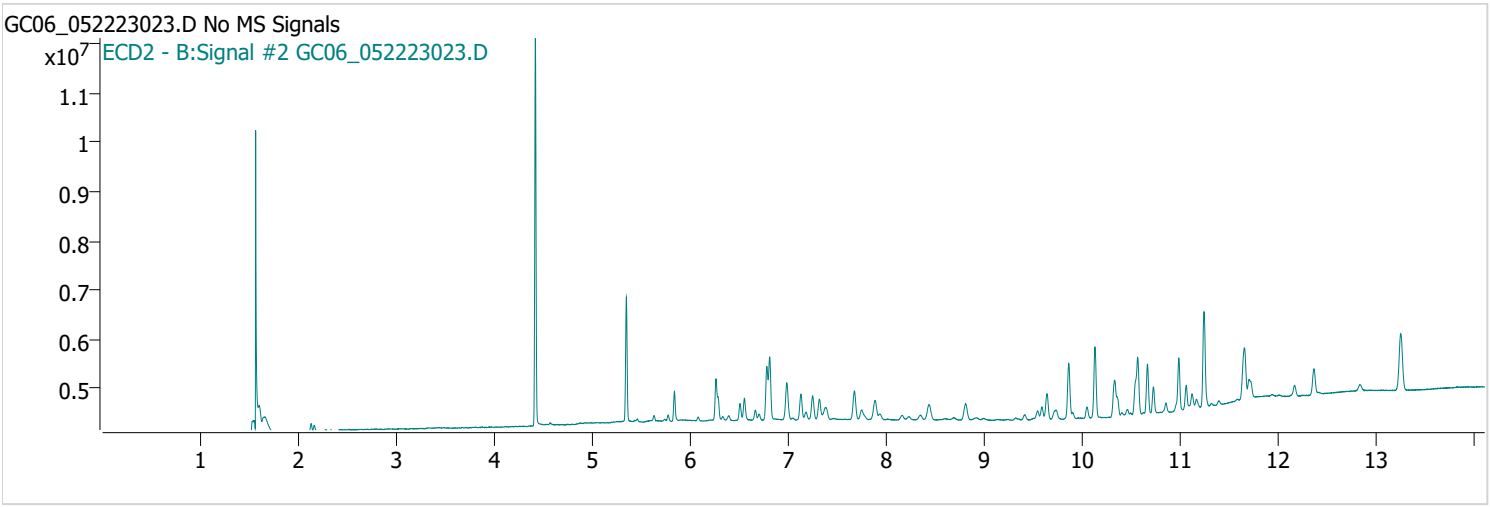
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.2070	13.25	0.00	1608412				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223023.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 9:01:29 PM
Sample Name	ICAL, S18182	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



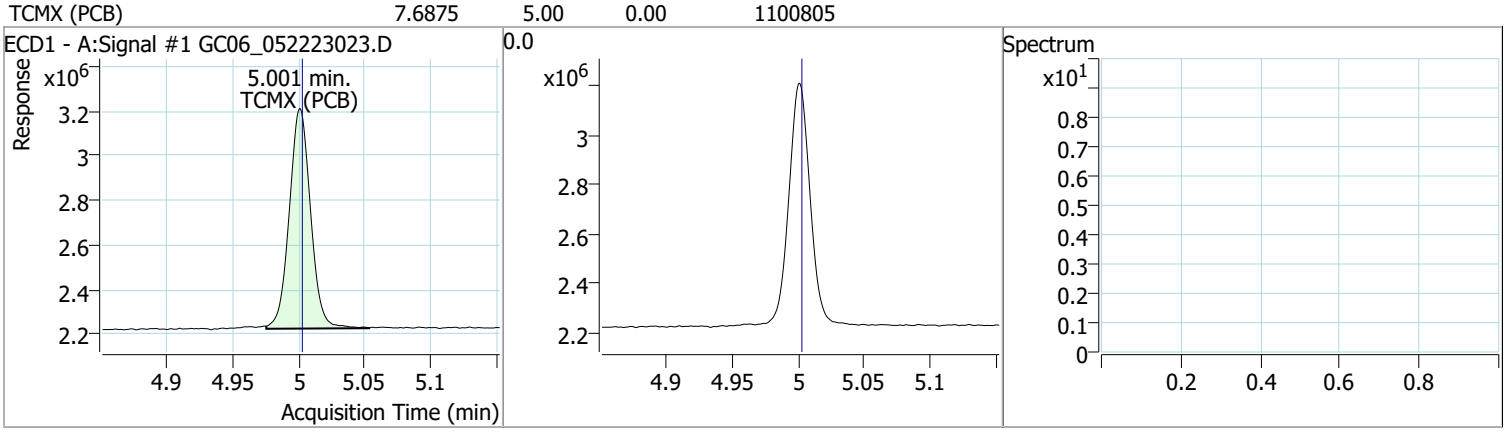


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.211	0.0	2701215.715	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	7163845.607	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.001	0.0	1100804.577	7.6875	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.44%		*	
S TCMX (PCB) #2	5.347	0.0	3053531.366	8.0585	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.29%		*	
S Decachlorobiphenyl (PCB)	12.022	0.0	1309504.225	7.3245	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 36.62%		*	
S Decachlorobiphenyl (PCB) #2	13.250	0.0	2783991.765	7.3991	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 37.00%		*	
Target Compounds							QValue

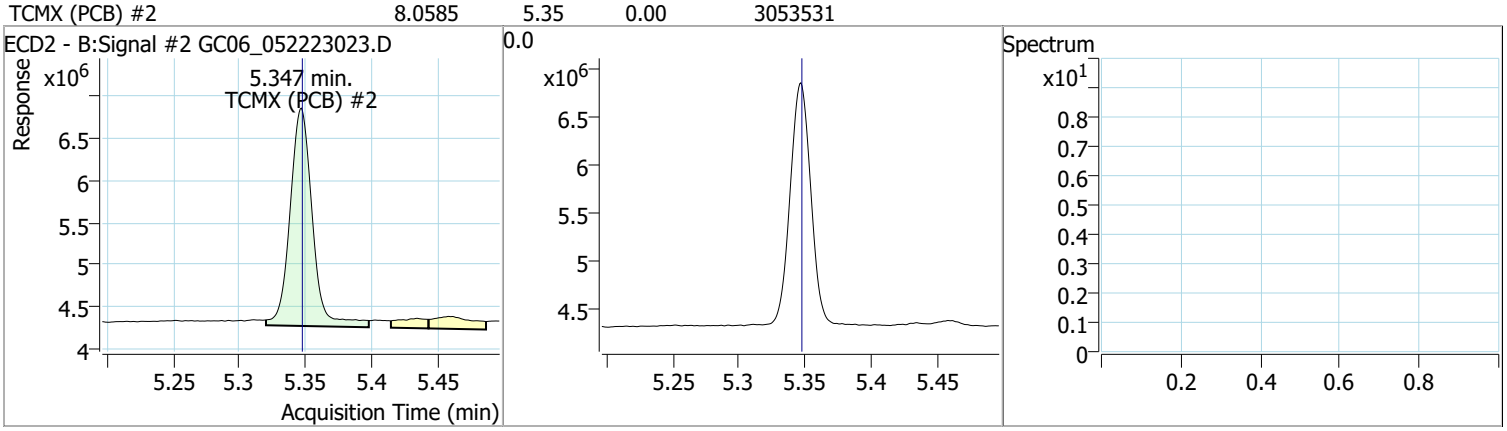
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.368	0.0	316361.803	105.8151	ng/ml		100
T AR1016 2	5.708	0.0	648866.250	106.2727	ng/ml		100
T AR1016 1 #2	5.838	0.0	731895.926	98.1882	ng/ml		100
T AR1016 3	6.171	0.0	808506.117	103.8179	ng/ml	m	100
T AR1016 2 #2	6.261	0.0	1675264.586	100.1250	ng/ml		100
T AR1016 4	6.309	0.0	482906.788	100.6895	ng/ml		100
T AR1016 5	6.504	0.0	393725.344	110.6099	ng/ml		100
T AR1016 3 #2	6.809	0.0	2055068.366	102.1848	ng/ml		100
T AR1016 4 #2	6.983	0.0	1404765.702	96.8751	ng/ml		100
T AR1016 5 #2	7.248	0.0	789709.444	97.2721	ng/ml		100
T AR1260 1	8.673	0.0	921571.490	103.2405	ng/ml		100
T AR1260 2	9.158	0.0	1385465.649	102.0359	ng/ml		100
T AR1260 3	9.606	0.0	1393398.931	95.7404	ng/ml		100
T AR1260 1 #2	9.862	0.0	1964289.571	96.8037	ng/ml		100
T AR1260 4	10.096	0.0	754869.842	94.8827	ng/ml		100
T AR1260 2 #2	10.129	0.0	2335145.468	101.8200	ng/ml		100
T AR1260 3 #2	10.565	0.0	2740598.241	93.1106	ng/ml		100
T AR1260 5	10.798	0.0	1147089.125	88.6400	ng/ml		100
T AR1260 4 #2	10.985	0.0	1673538.389	97.2878	ng/ml		100
T AR1260 5 #2	11.654	0.0	2478591.421	99.1728	ng/ml		100

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

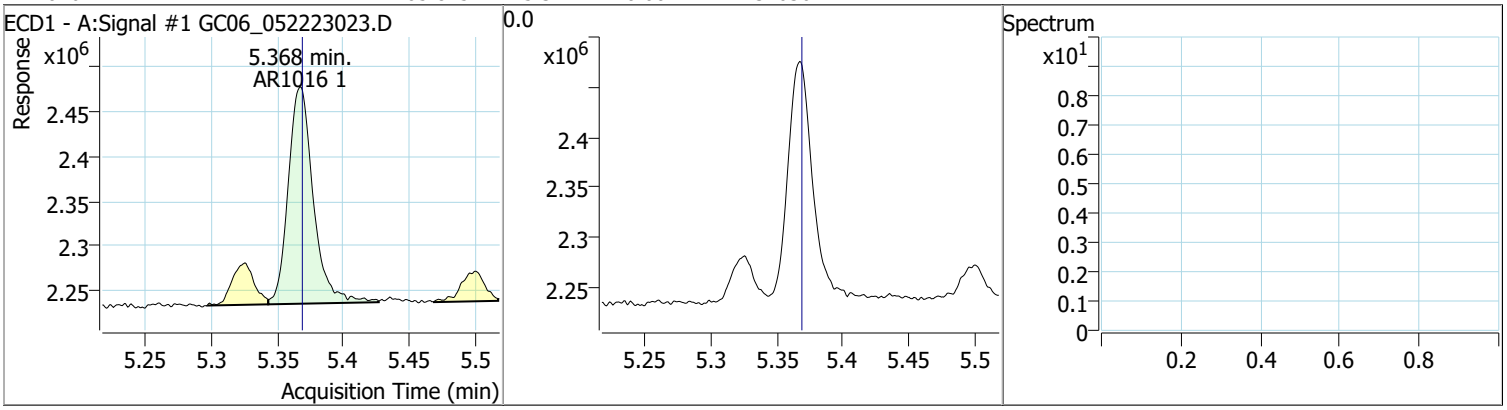
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.6875	5.00	0.00	1100805				



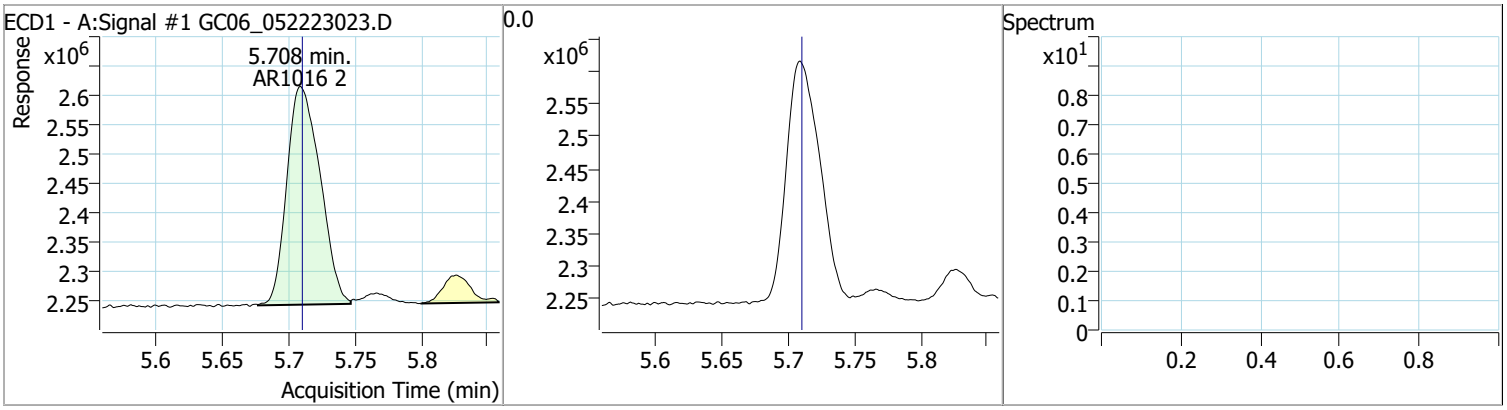
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.0585	5.35	0.00	3053531				



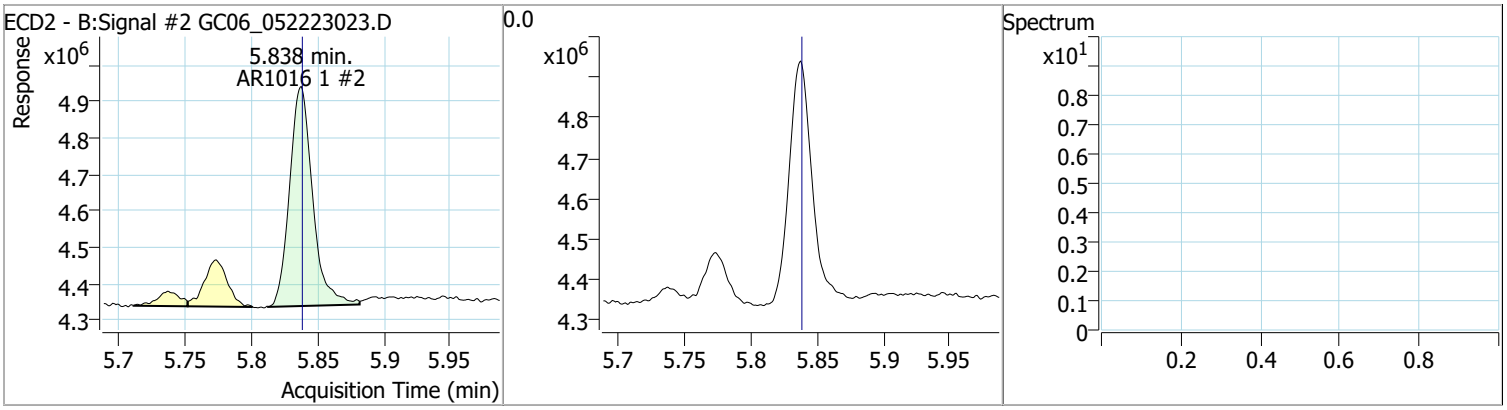
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	105.8151	5.37	0.00	316362				



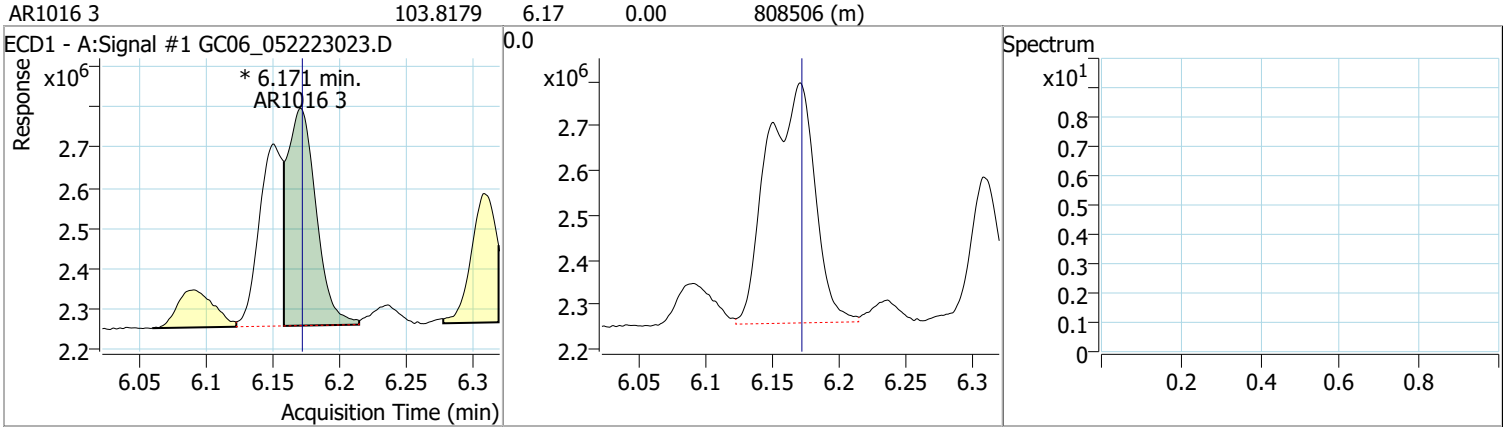
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	106.2727	5.71	0.00	648866				



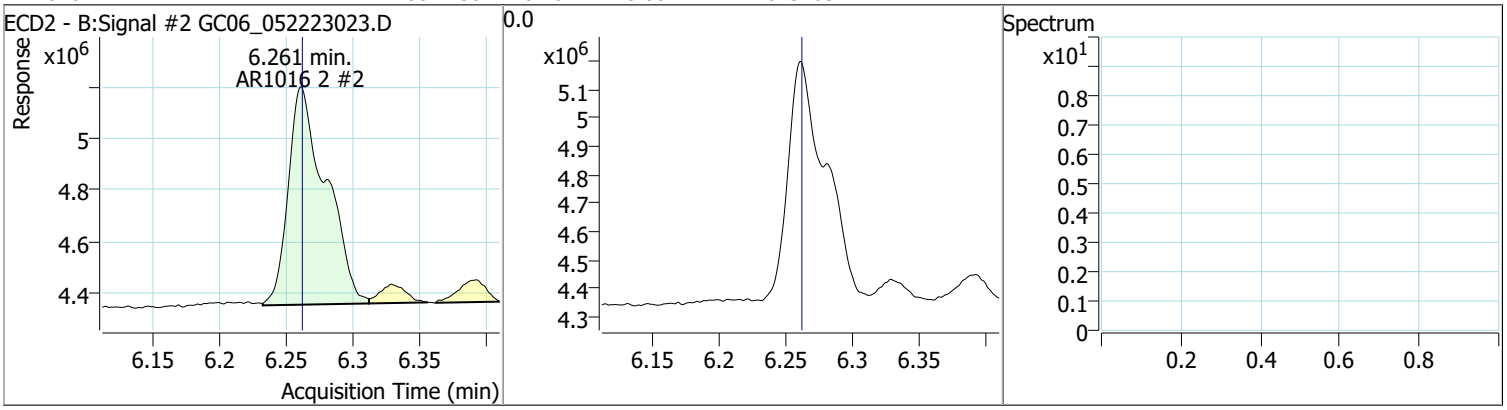
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	98.1882	5.84	0.00	731896				



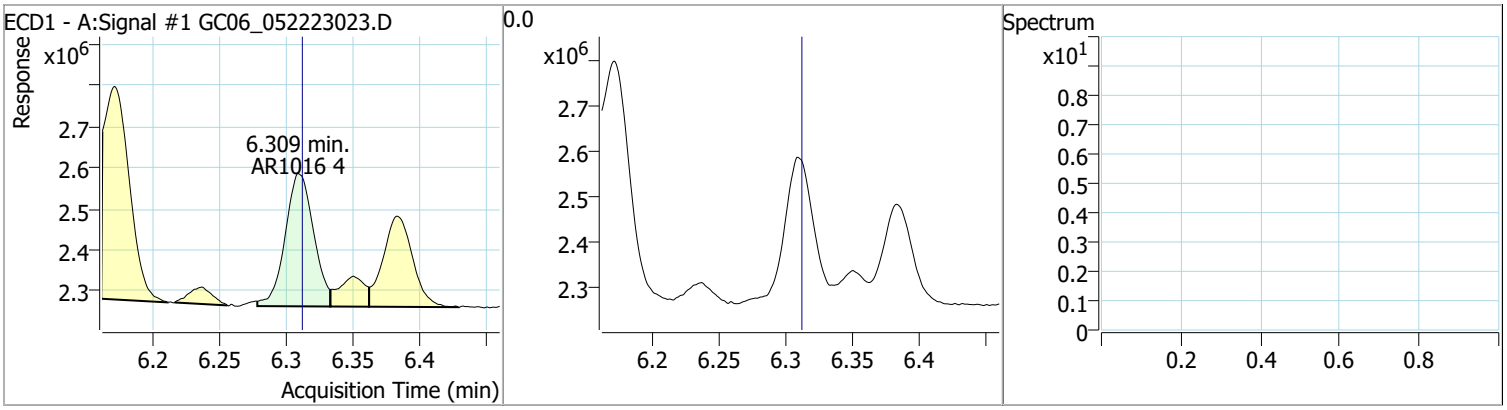
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	103.8179	6.17	0.00	808506 (m)				



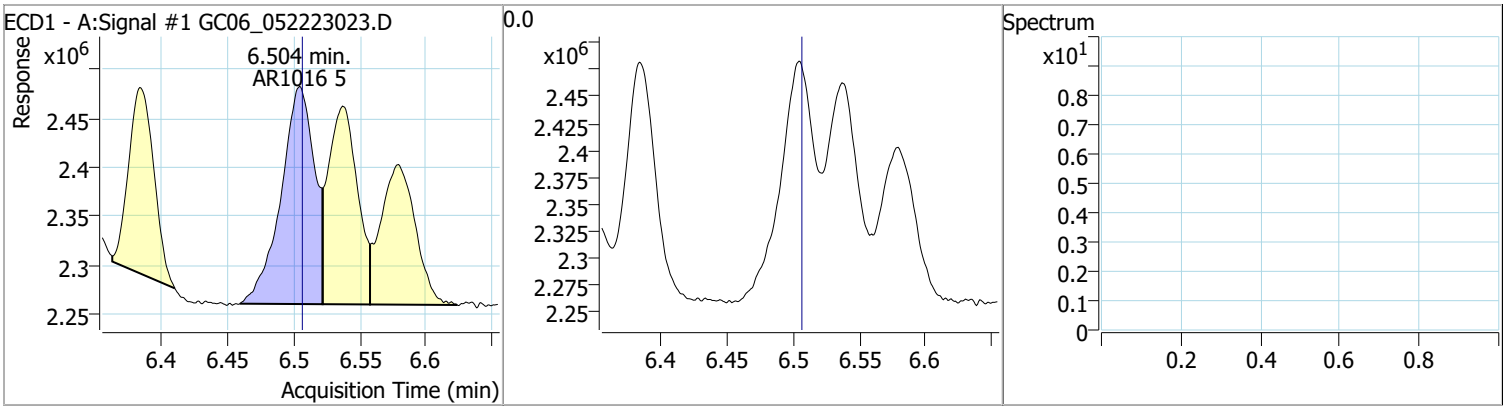
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	100.1250	6.26	0.00	1675265				



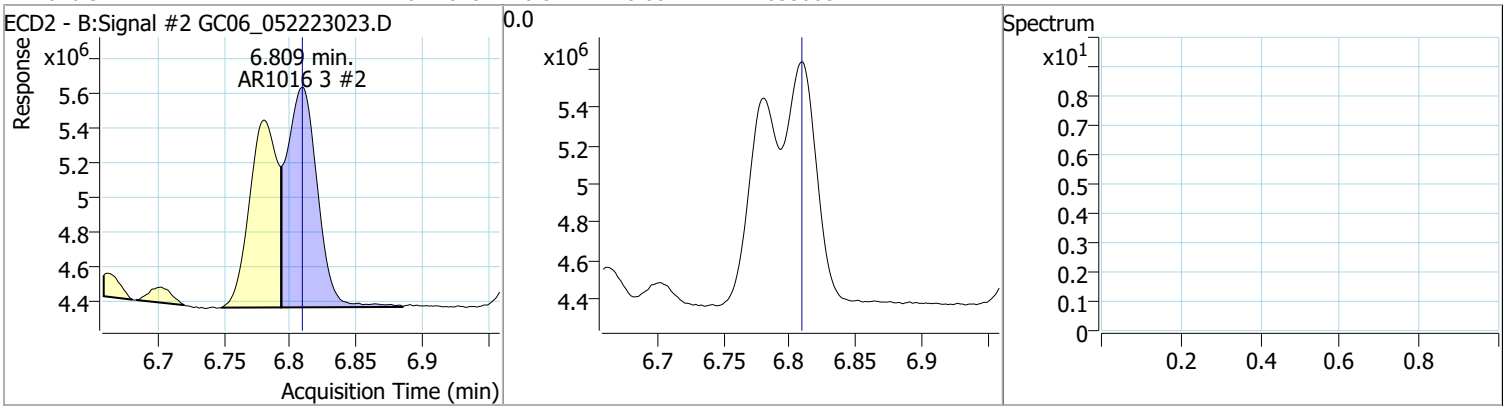
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	100.6895	6.31	0.00	482907				



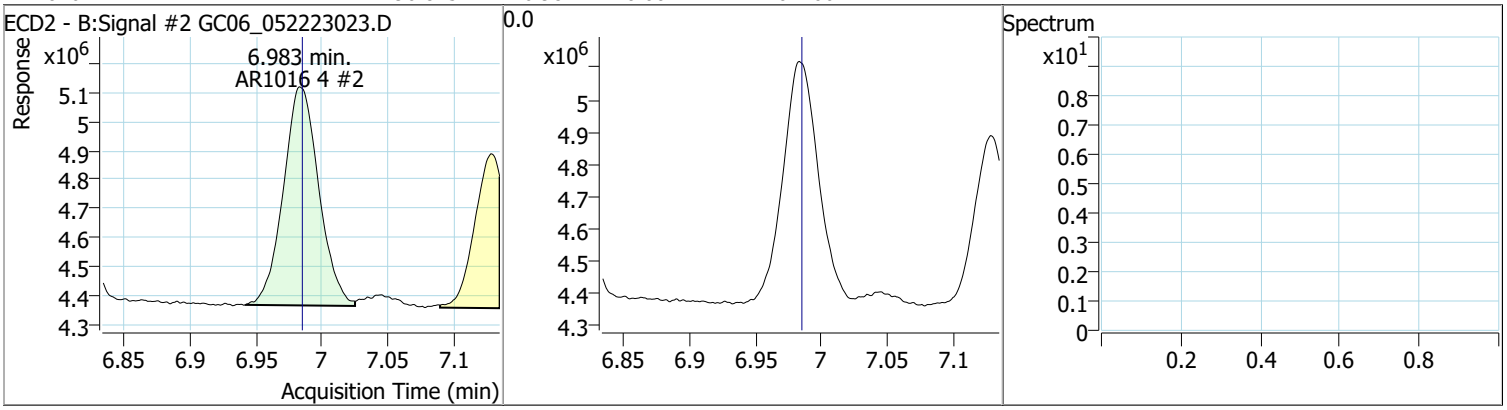
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	110.6099	6.50	0.00	393725				



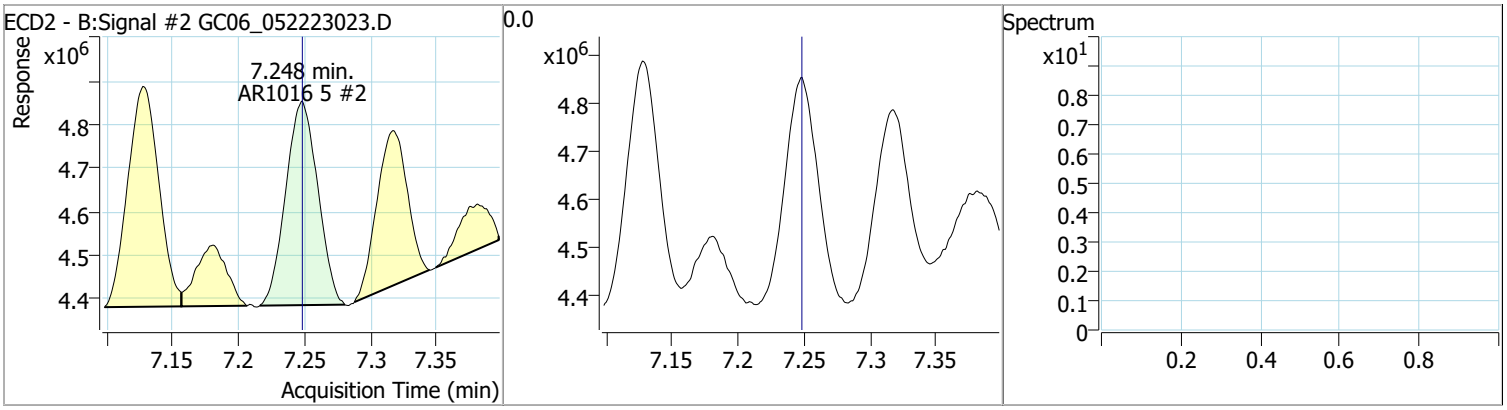
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	102.1848	6.81	0.00	2055068				



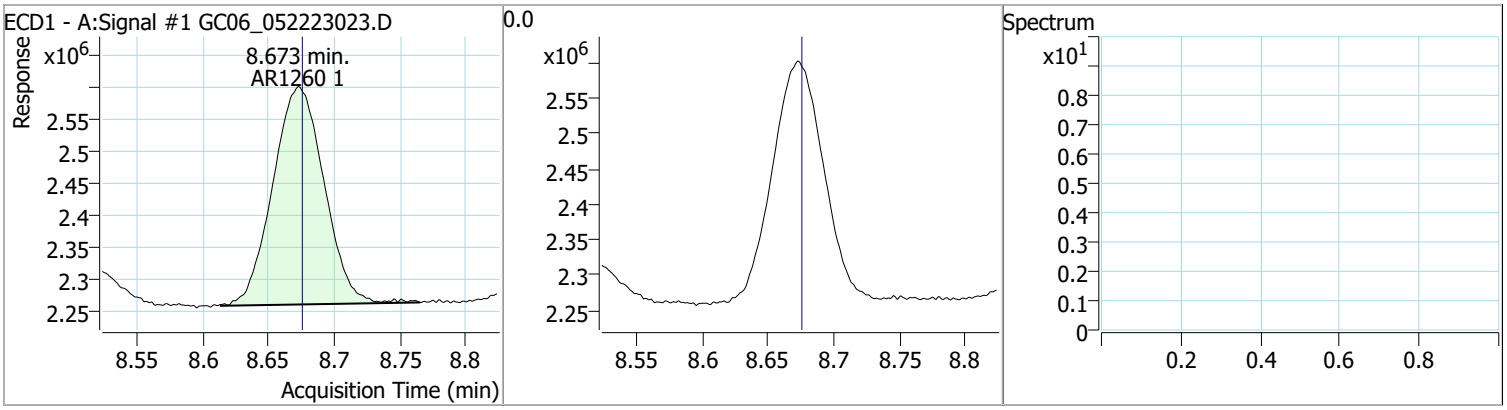
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	96.8751	6.98	0.00	1404766				



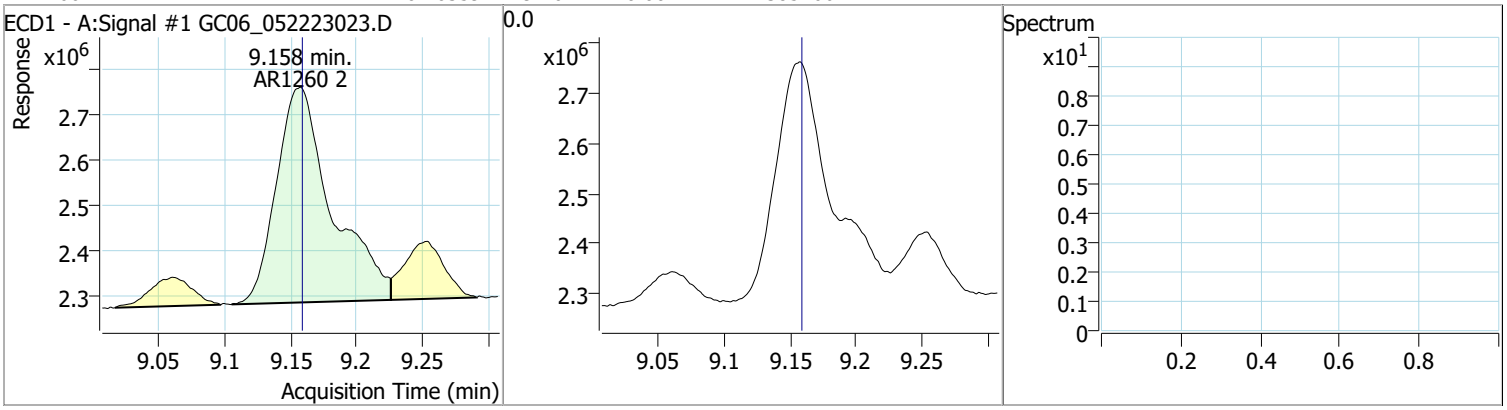
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	97.2721	7.25	0.00	789709				



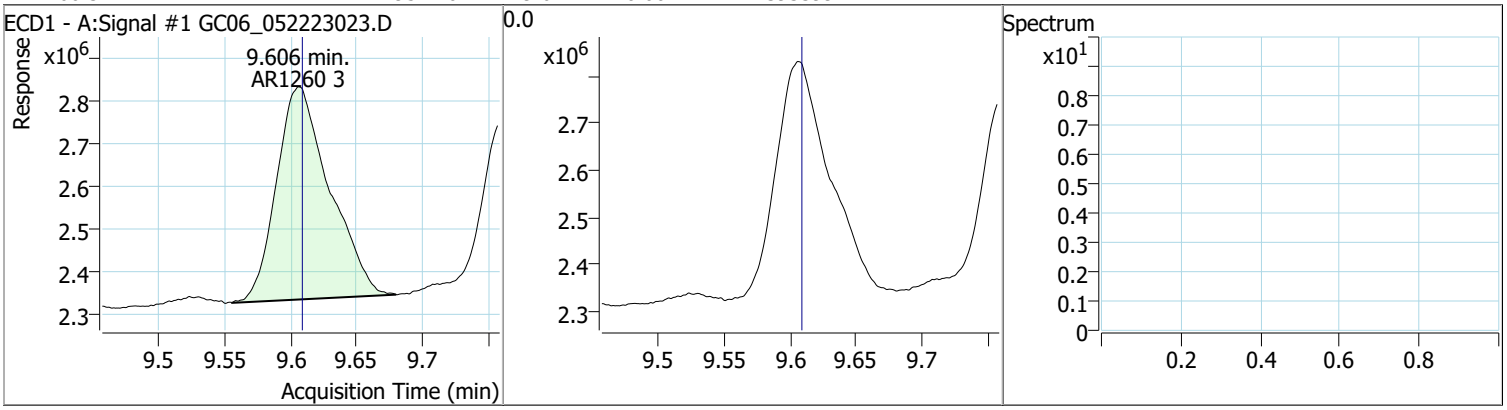
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	103.2405	8.67	0.00	921571				



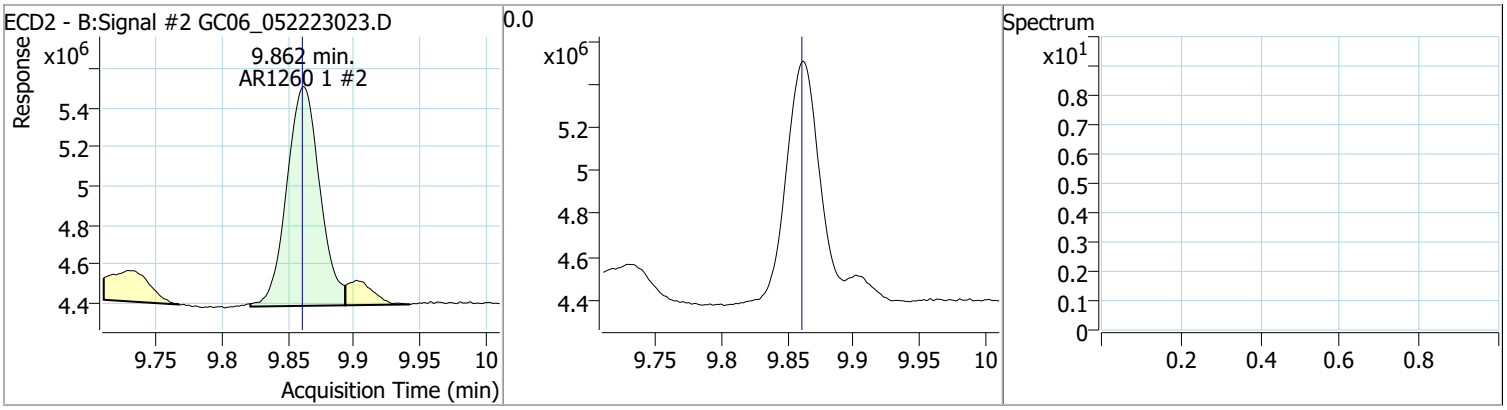
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	102.0359	9.16	0.00	1385466				



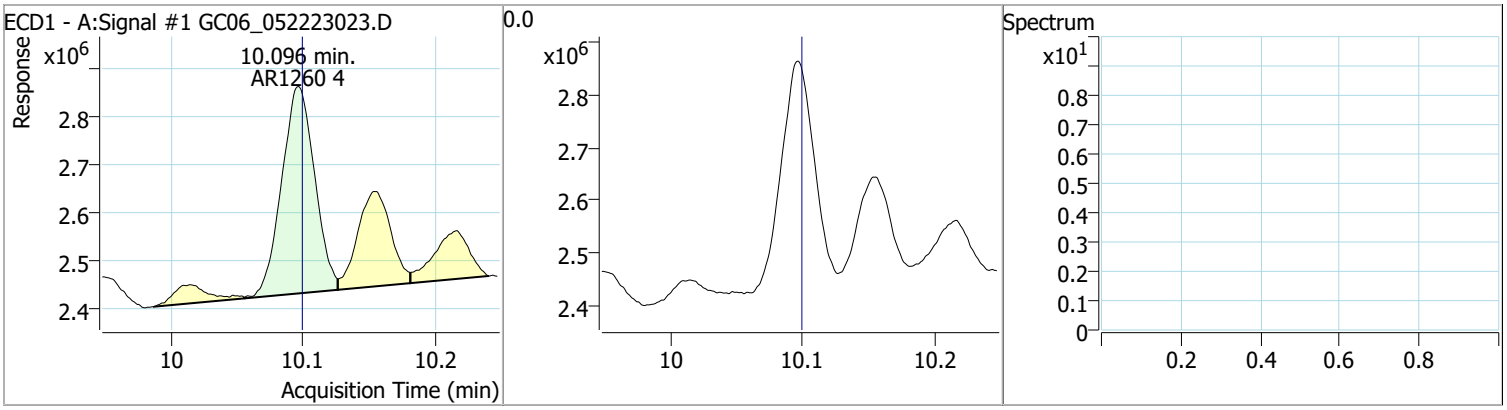
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	95.7404	9.61	0.00	1393399				



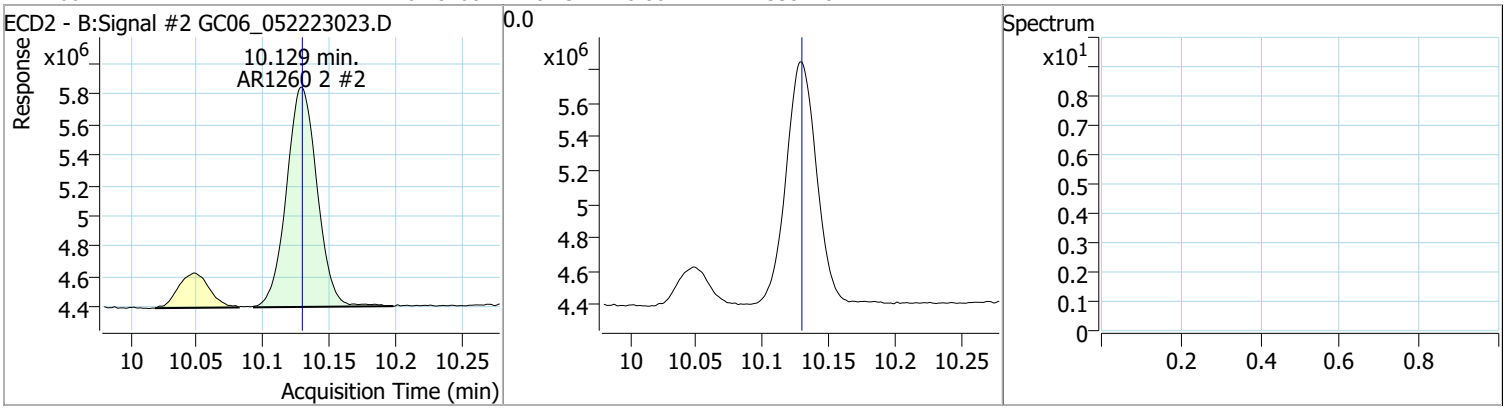
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	96.8037	9.86	0.00	1964290				



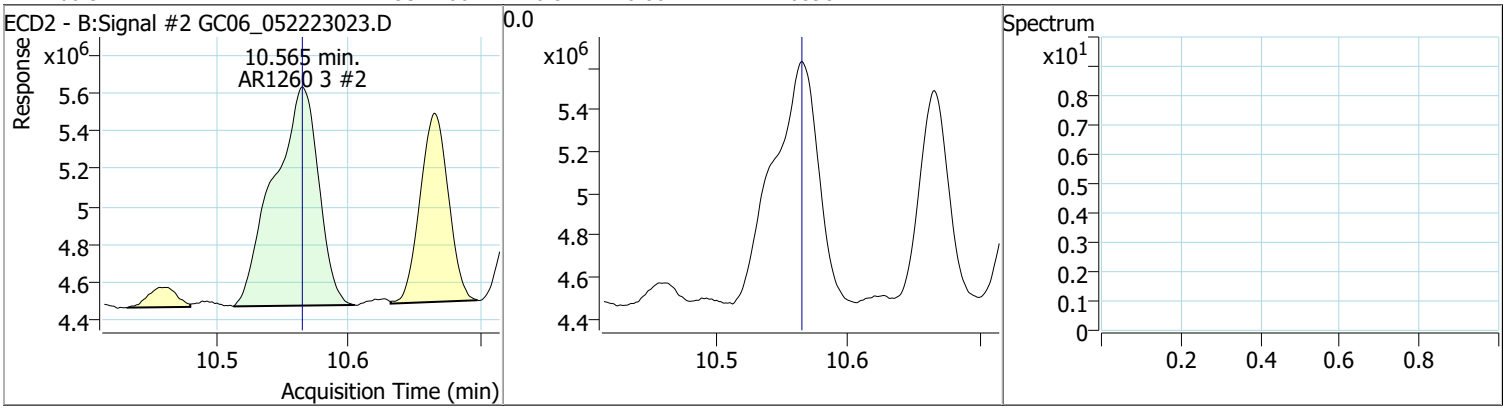
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	94.8827	10.10	0.00	754870				



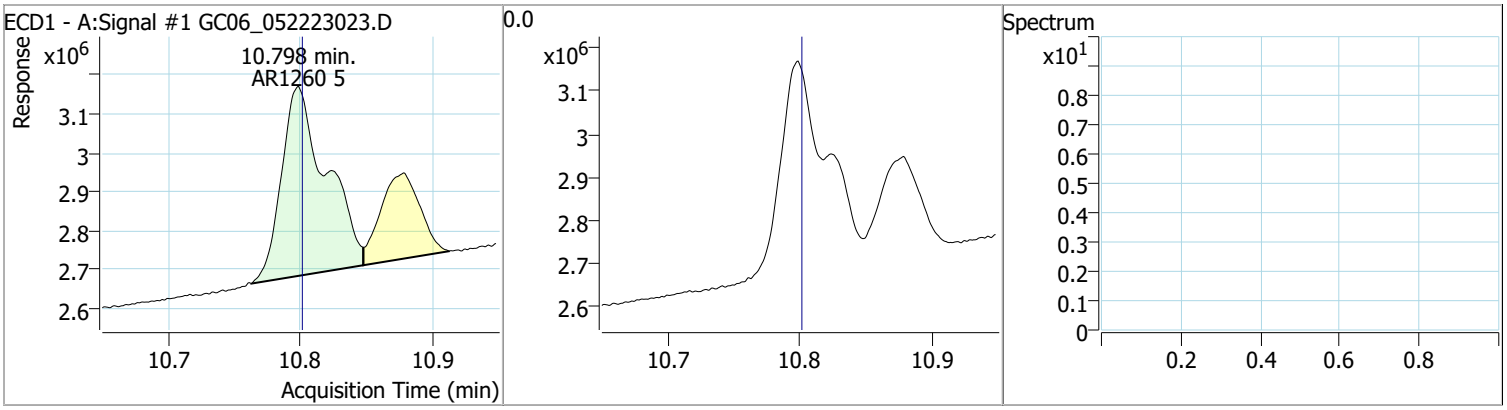
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	101.8200	10.13	0.00	2335145				



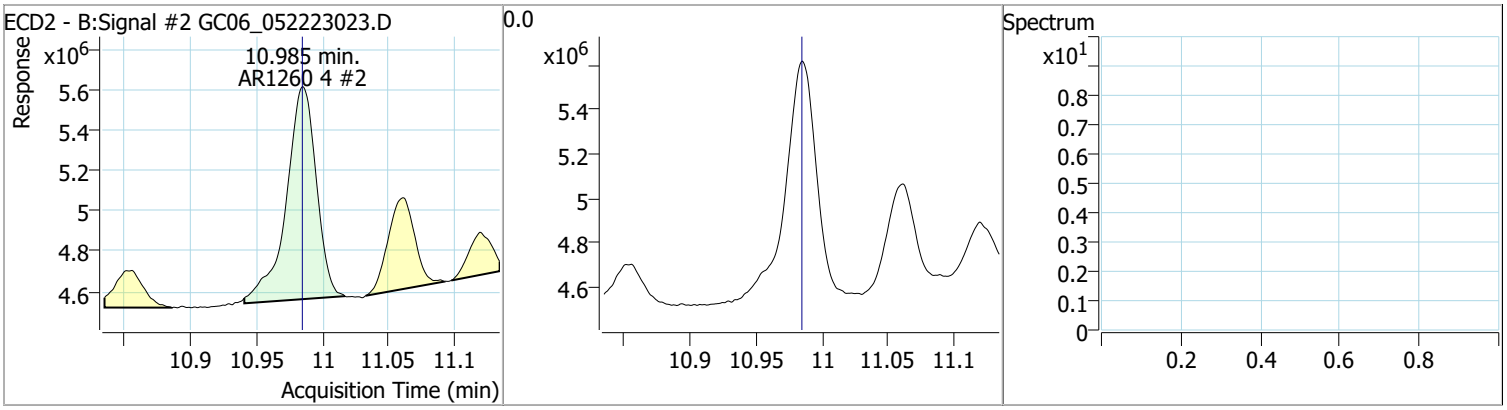
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	93.1106	10.57	0.00	2740598				



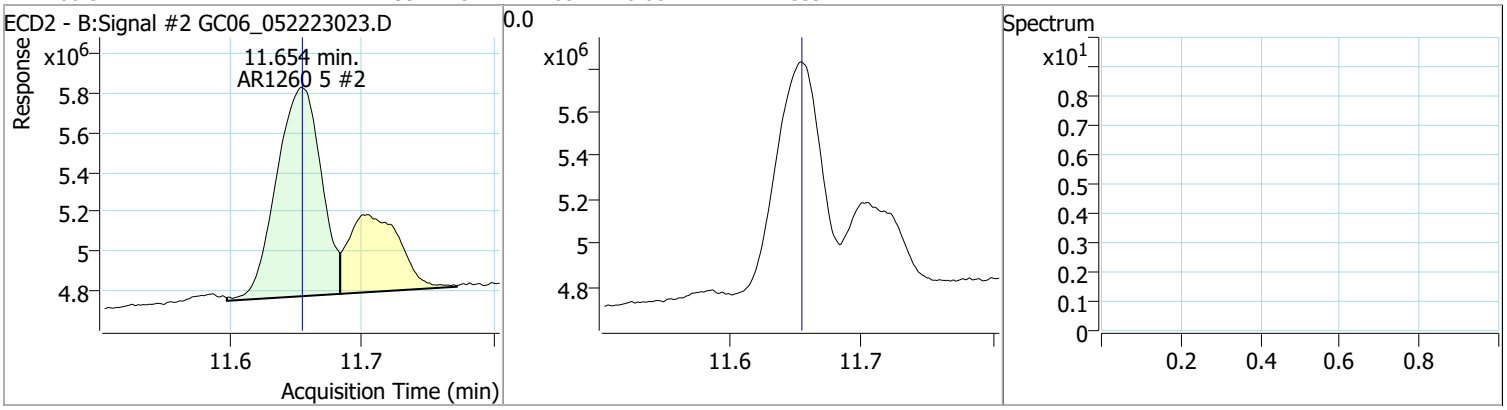
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	88.6400	10.80	0.00	1147089				



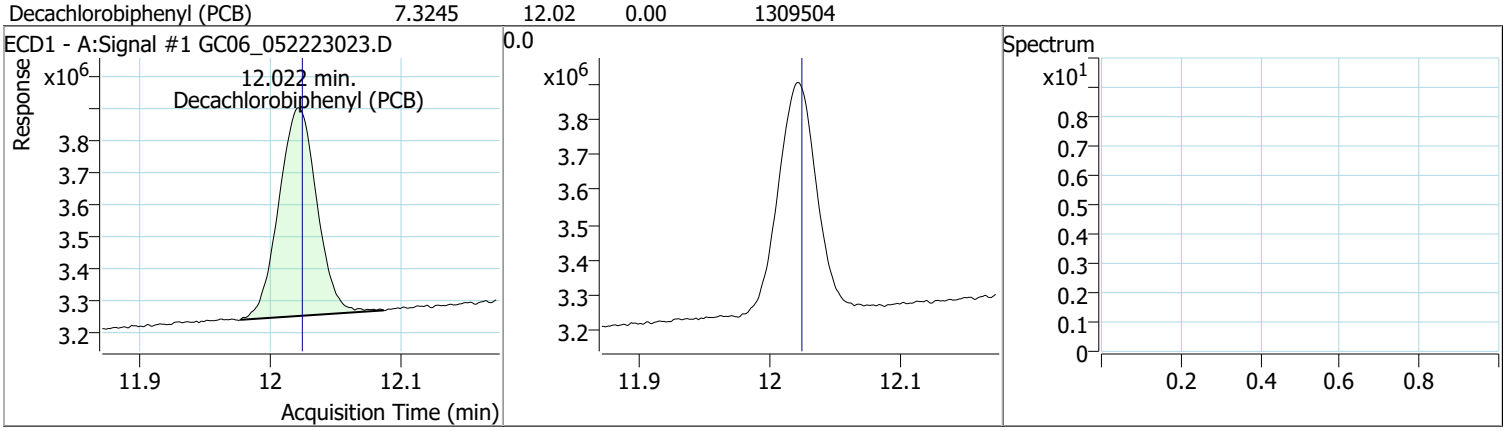
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	97.2878	10.99	0.00	1673538				



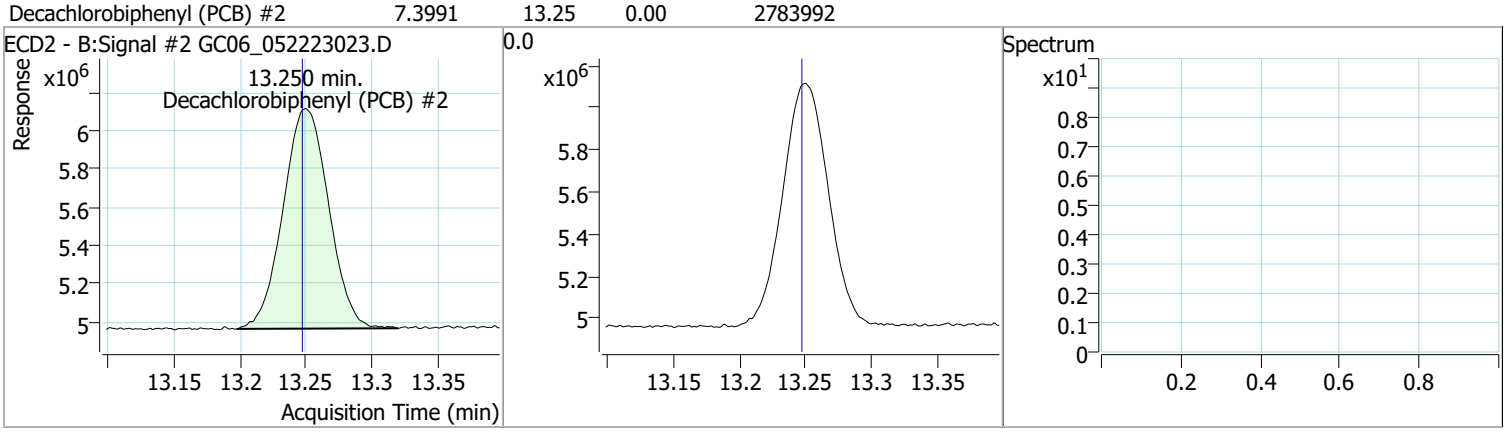
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	99.1728	11.65	0.00	2478591				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	7.3245	12.02	0.00	1309504				

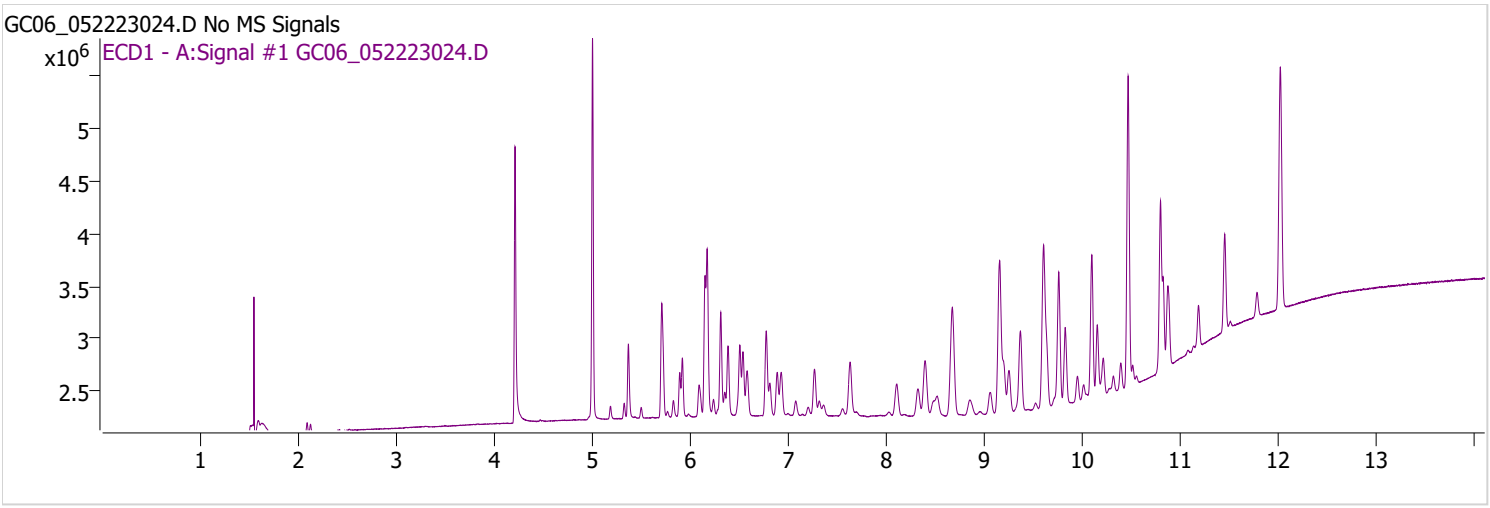


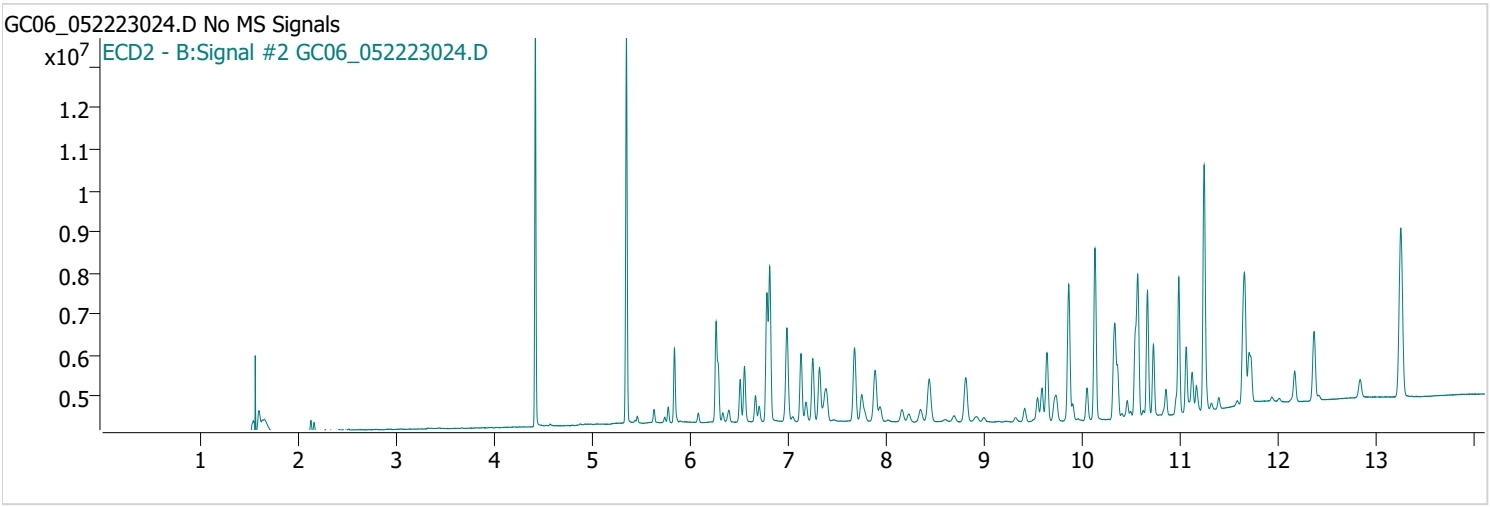
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	7.3991	13.25	0.00	2783992				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223024.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 9:19:49 PM
Sample Name	ICAL, S18183	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



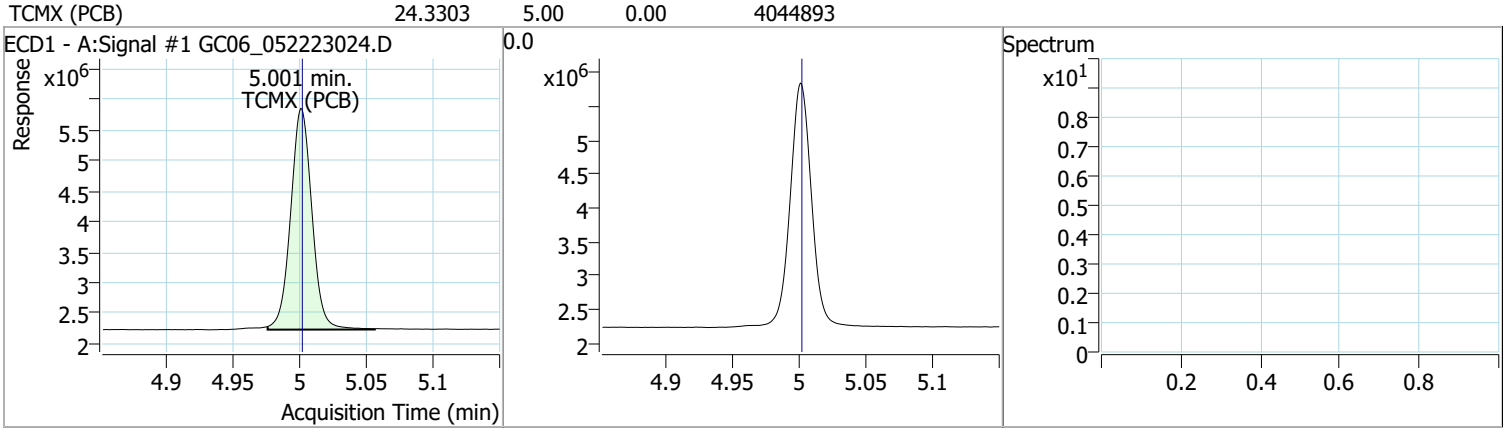


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	3136143.427	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	8348445.363	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.001	0.0	4044893.271	24.3303	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 121.65%		
S TCMX (PCB) #2	5.348	0.0	10185652.533	23.0664	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.33%		
S Decachlorobiphenyl (PCB)	12.021	0.0	4744254.847	22.8562	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 114.28%		
S Decachlorobiphenyl (PCB) #2	13.251	0.0	10006446.561	22.8209	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 114.10%		
Target Compounds						QValue

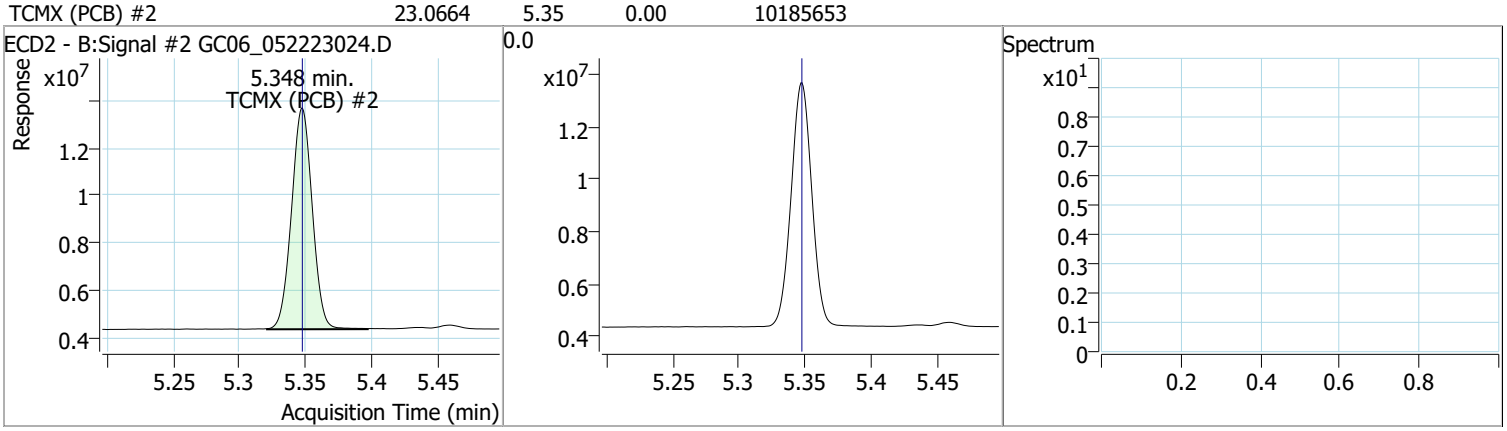
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.367	0.0	936484.508	269.7910	ng/ml		100
T AR1016 2	5.708	0.0	1884947.854	265.9067	ng/ml		100
T AR1016 1 #2	5.838	0.0	2238072.148	257.6467	ng/ml		100
T AR1016 3	6.171	0.0	2399825.850	265.4190	ng/ml	m	100
T AR1016 2 #2	6.263	0.0	4915000.875	252.0712	ng/ml		100
T AR1016 4	6.310	0.0	1451202.229	260.6226	ng/ml		100
T AR1016 5	6.504	0.0	1122667.609	271.6534	ng/ml		100
T AR1016 3 #2	6.809	0.0	6155247.343	262.6312	ng/ml		100
T AR1016 4 #2	6.985	0.0	4346212.881	257.1933	ng/ml		100
T AR1016 5 #2	7.249	0.0	2507043.778	264.9863	ng/ml		100
T AR1260 1	8.673	0.0	2777992.308	268.0497	ng/ml		100
T AR1260 2	9.157	0.0	4275197.530	271.1918	ng/ml		100
T AR1260 3	9.605	0.0	4289839.545	253.8774	ng/ml		100
T AR1260 1 #2	9.862	0.0	6044954.821	255.6348	ng/ml		100
T AR1260 4	10.097	0.0	2431958.450	263.2901	ng/ml		100
T AR1260 2 #2	10.129	0.0	7114255.728	266.1884	ng/ml		100
T AR1260 3 #2	10.565	0.0	8510147.506	248.1026	ng/ml		100
T AR1260 5	10.798	0.0	3929741.042	261.5532	ng/ml		100
T AR1260 4 #2	10.985	0.0	5124485.687	255.6312	ng/ml		100
T AR1260 5 #2	11.654	0.0	7656893.369	262.8942	ng/ml		100

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

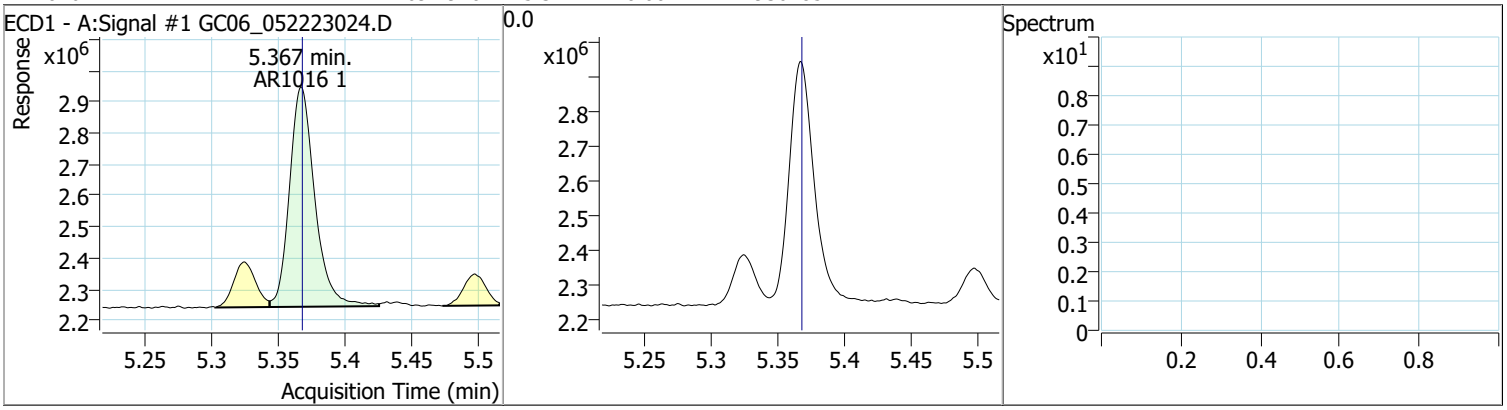
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.3303	5.00	0.00	4044893				



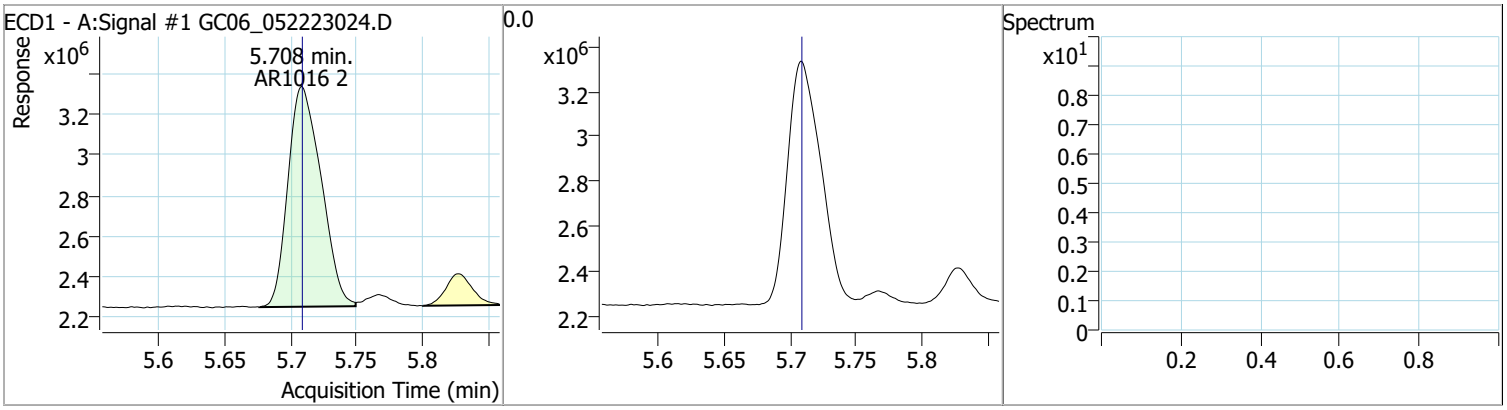
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	23.0664	5.35	0.00	10185653				



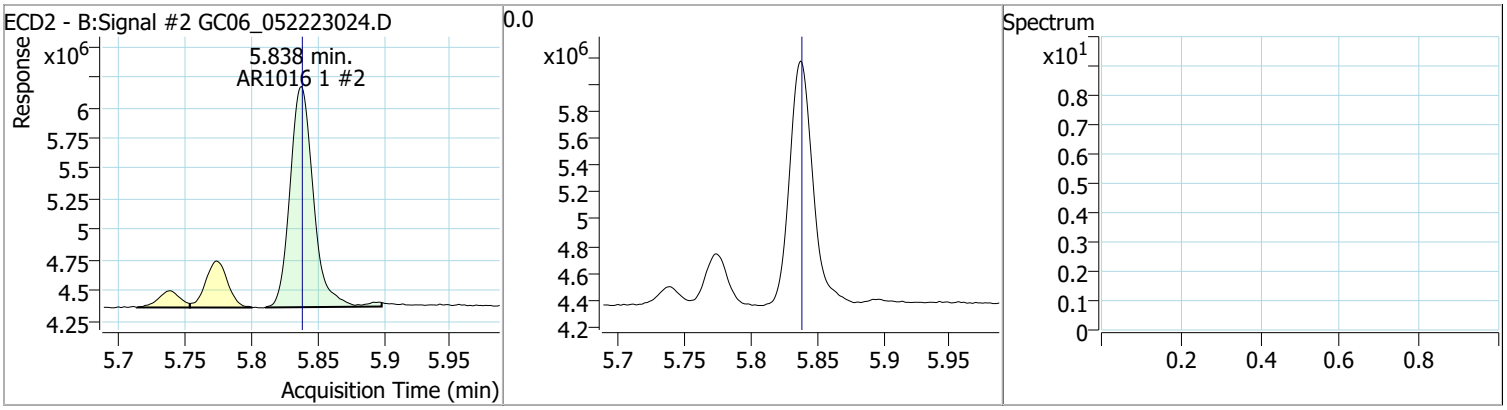
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	269.7910	5.37	0.00	936485				



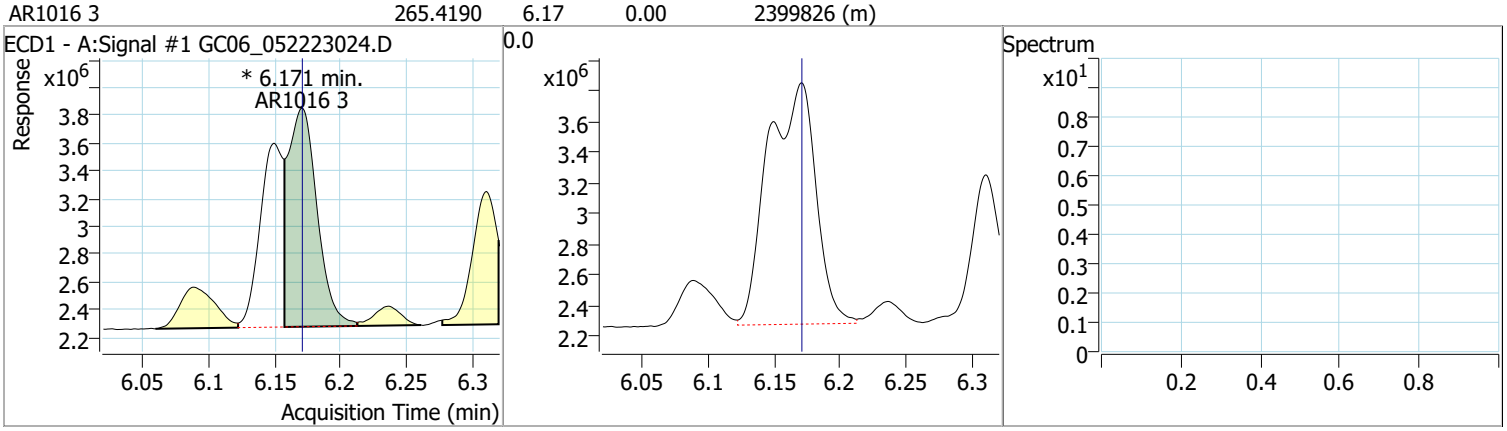
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	265.9067	5.71	0.00	1884948				



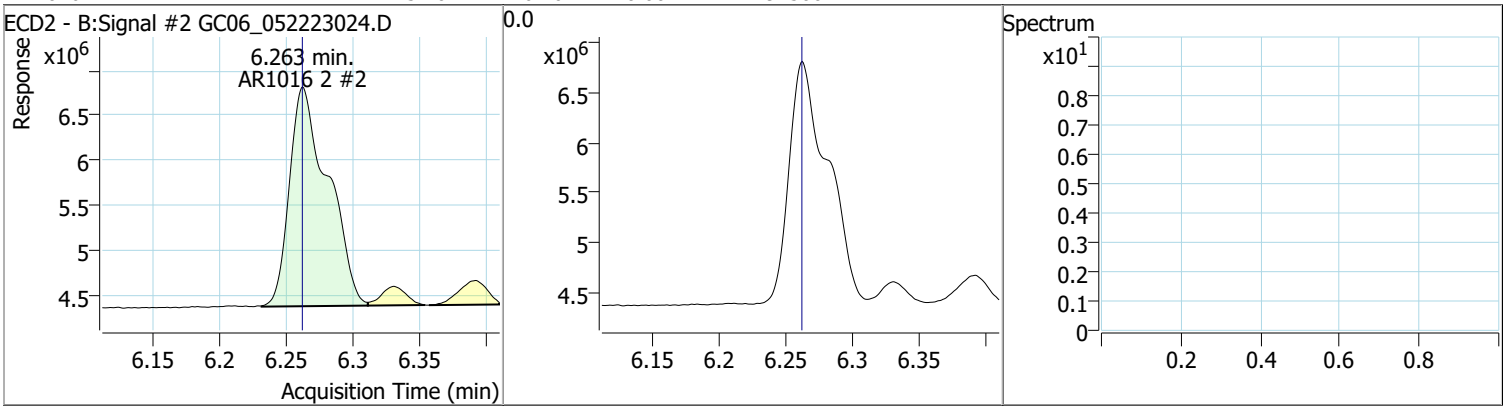
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	257.6467	5.84	0.00	2238072				



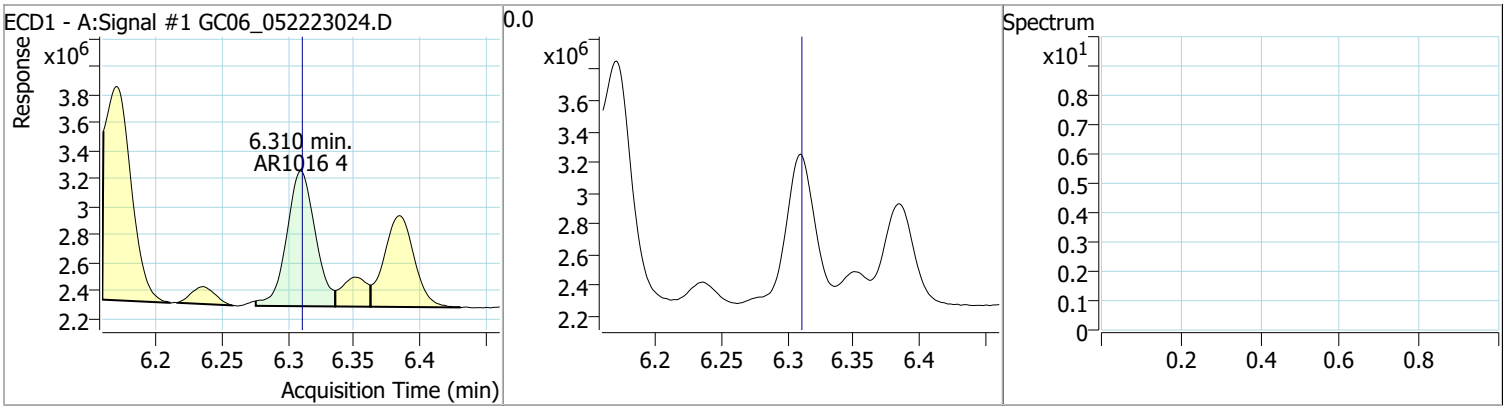
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	265.4190	6.17	0.00	2399826 (m)				



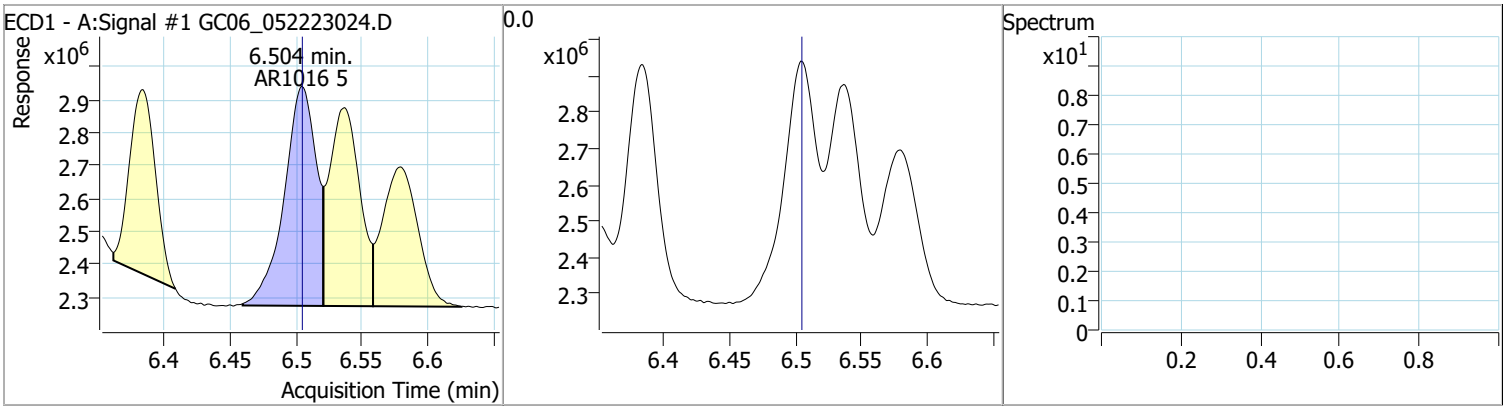
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	252.0712	6.26	0.00	4915001				



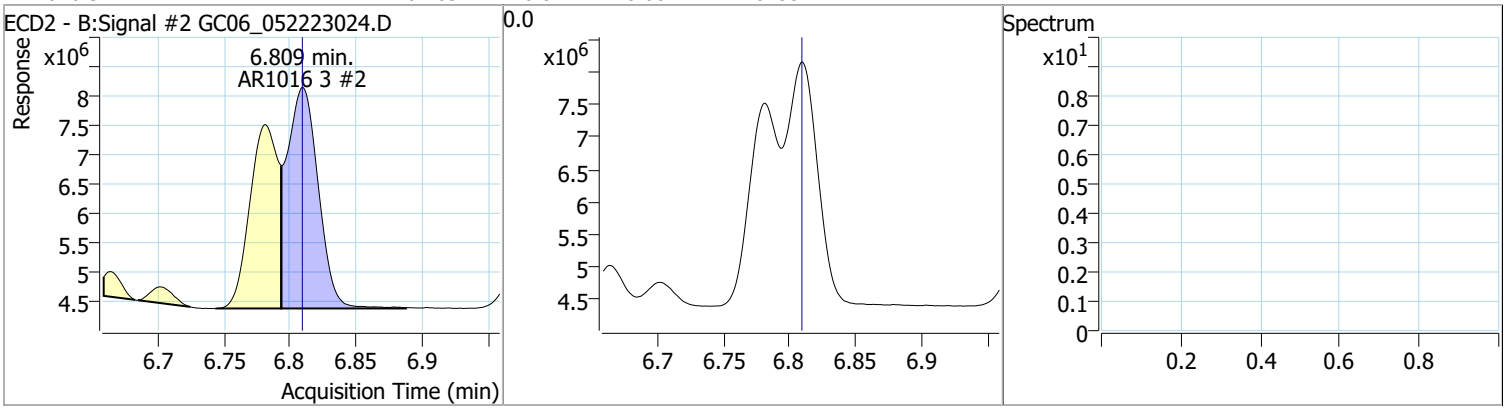
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	260.6226	6.31	0.00	1451202				



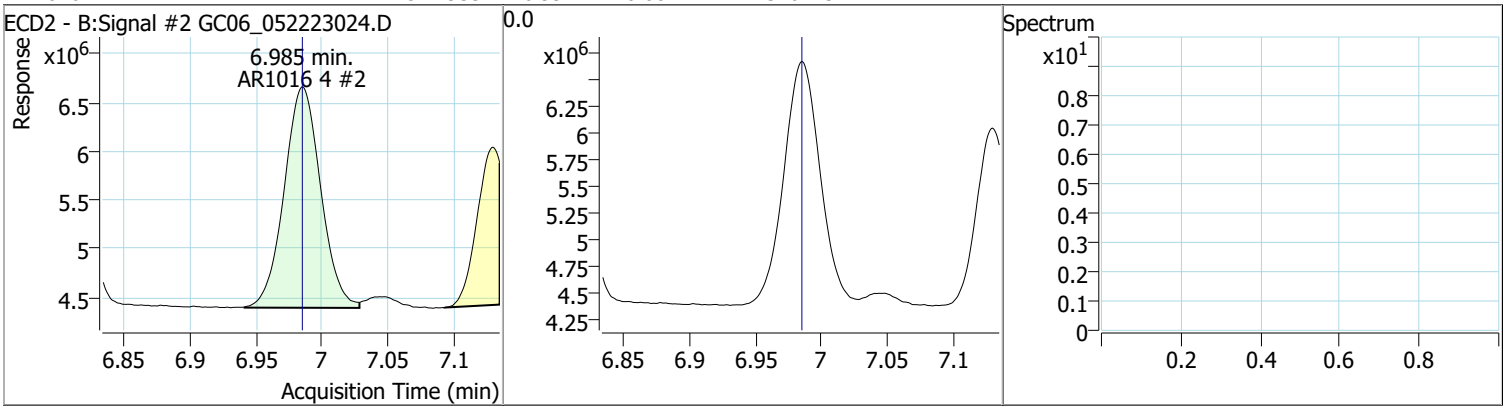
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	271.6534	6.50	0.00	1122668				



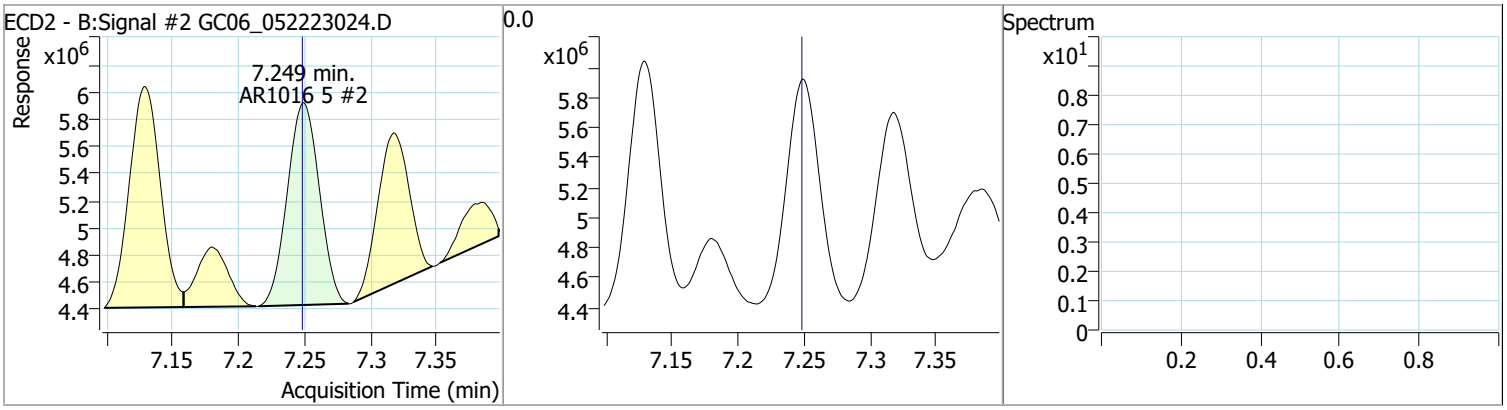
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	262.6312	6.81	0.00	6155247				



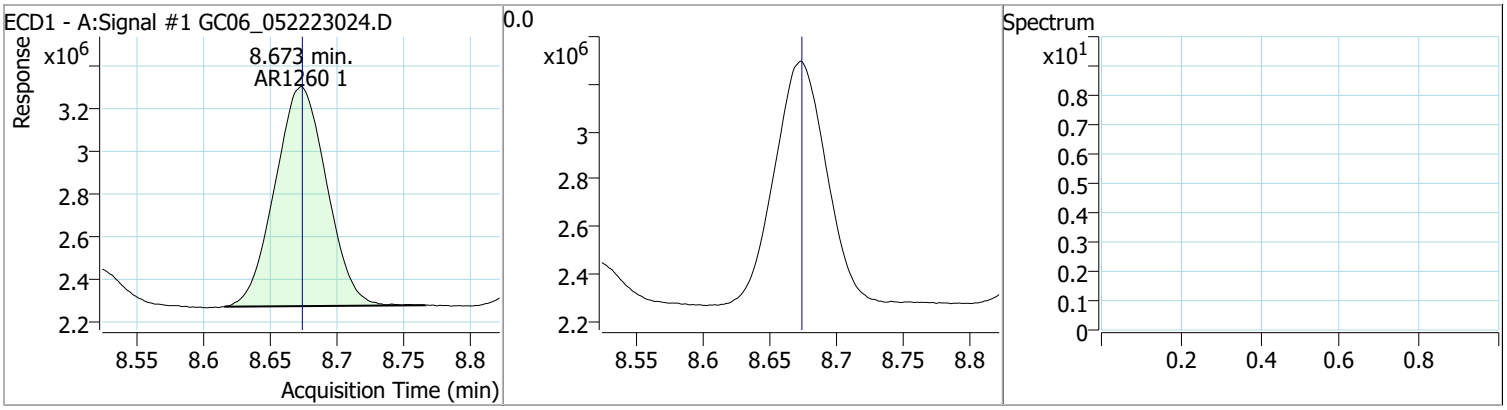
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	257.1933	6.99	0.00	4346213				



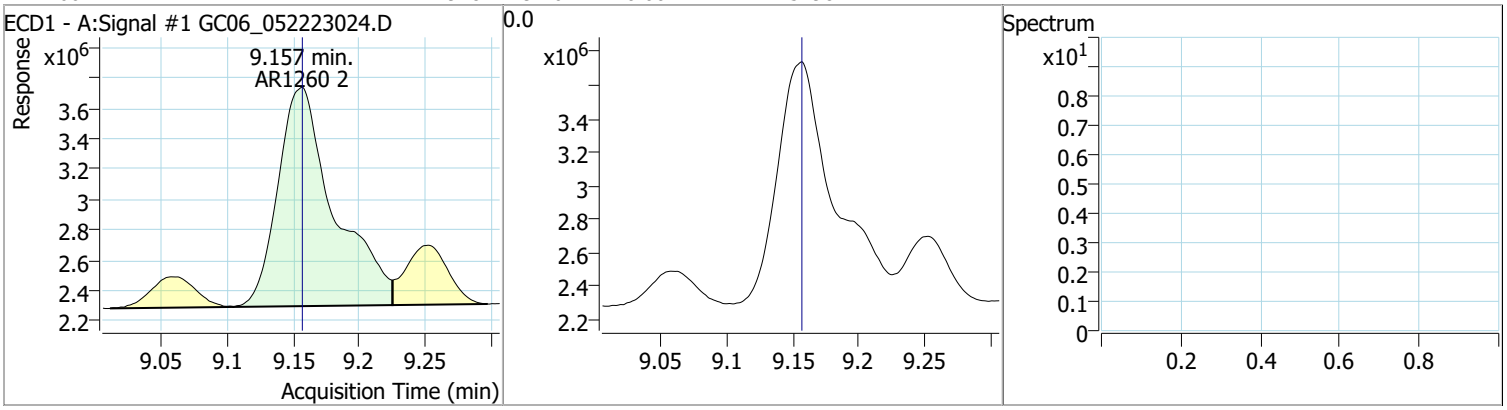
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	264.9863	7.25	0.00	2507044				



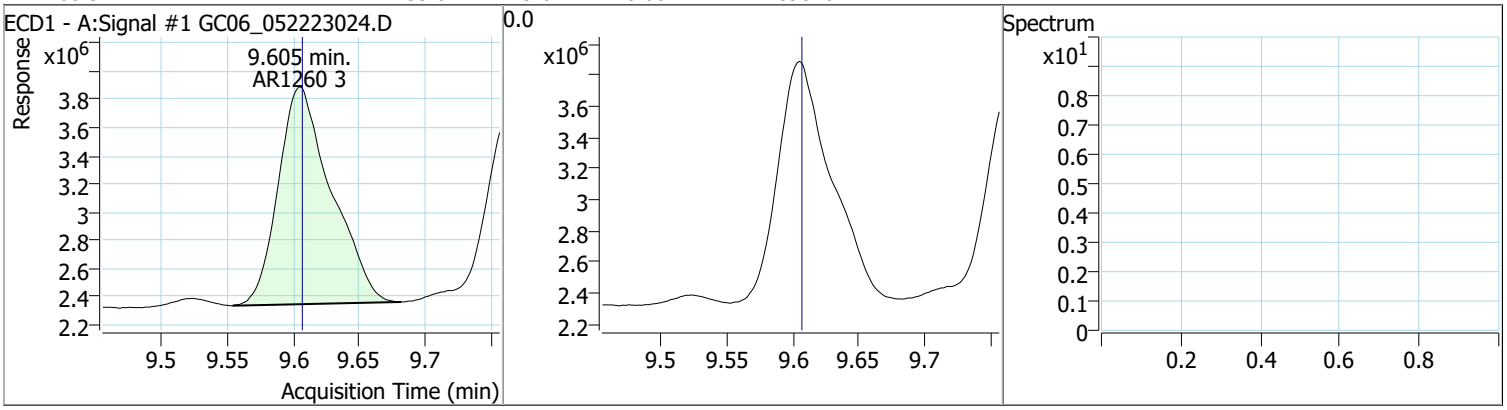
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	268.0497	8.67	0.00	2777992				



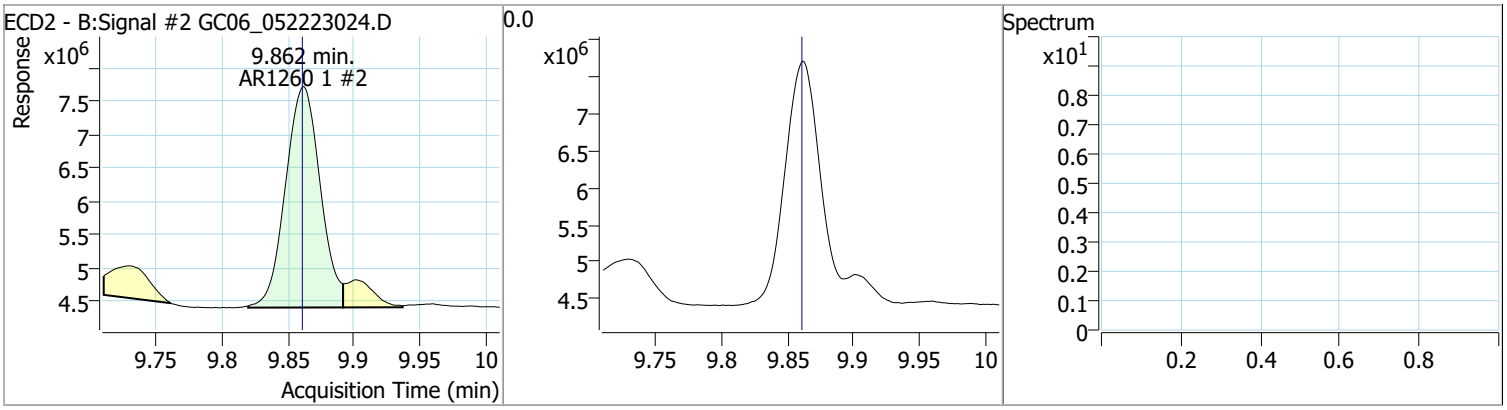
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	271.1918	9.16	0.00	4275198				



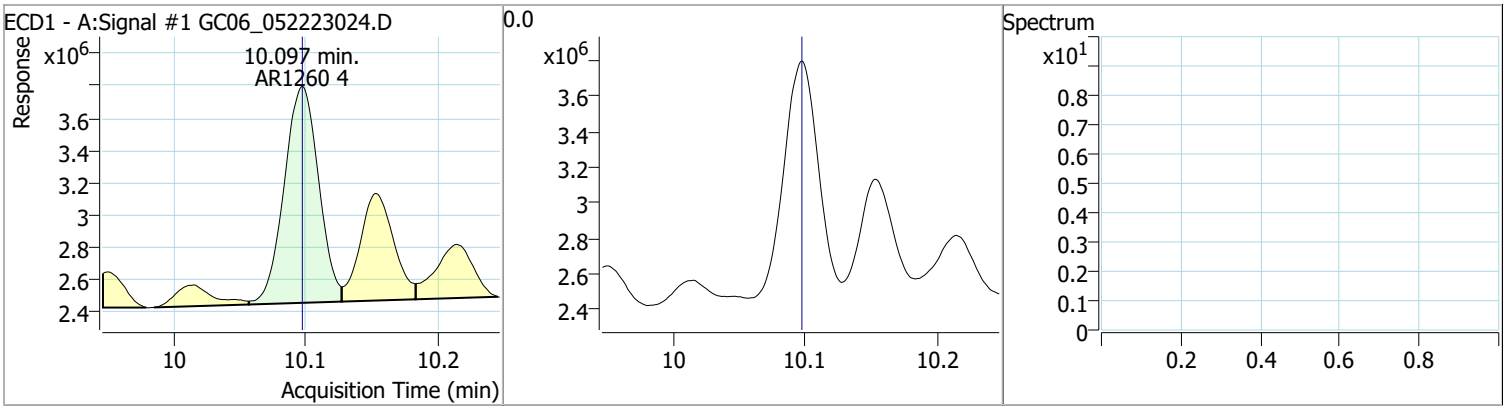
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	253.8774	9.61	0.00	4289840				



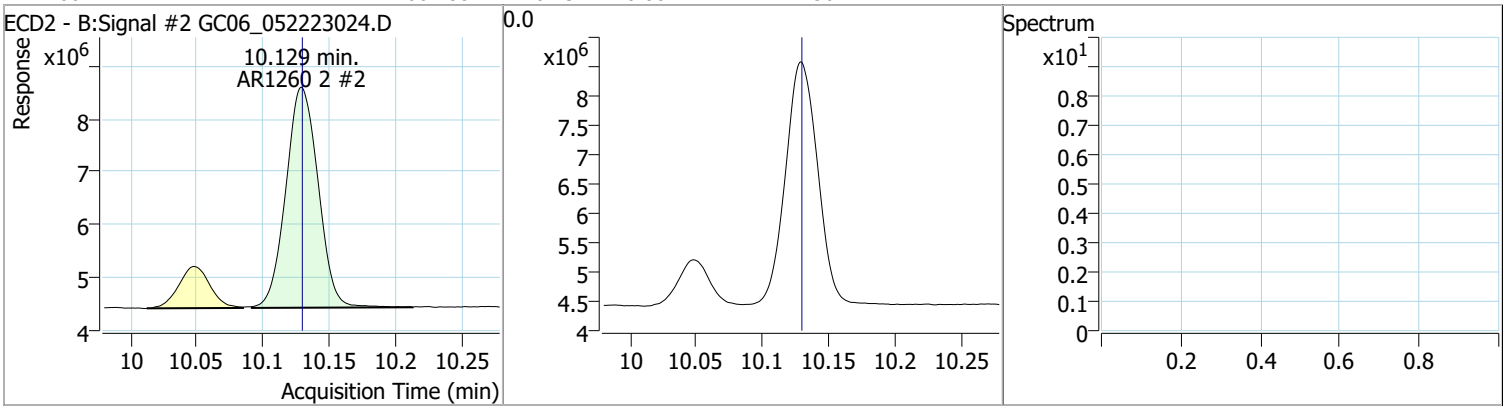
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	255.6348	9.86	0.00	6044955				



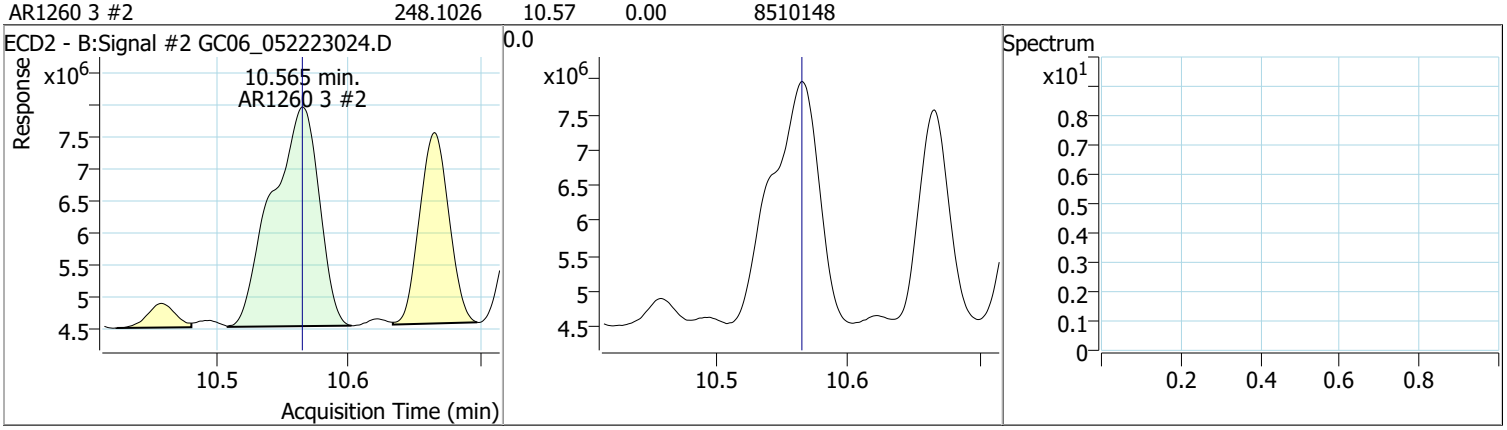
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	263.2901	10.10	0.00	2431958				



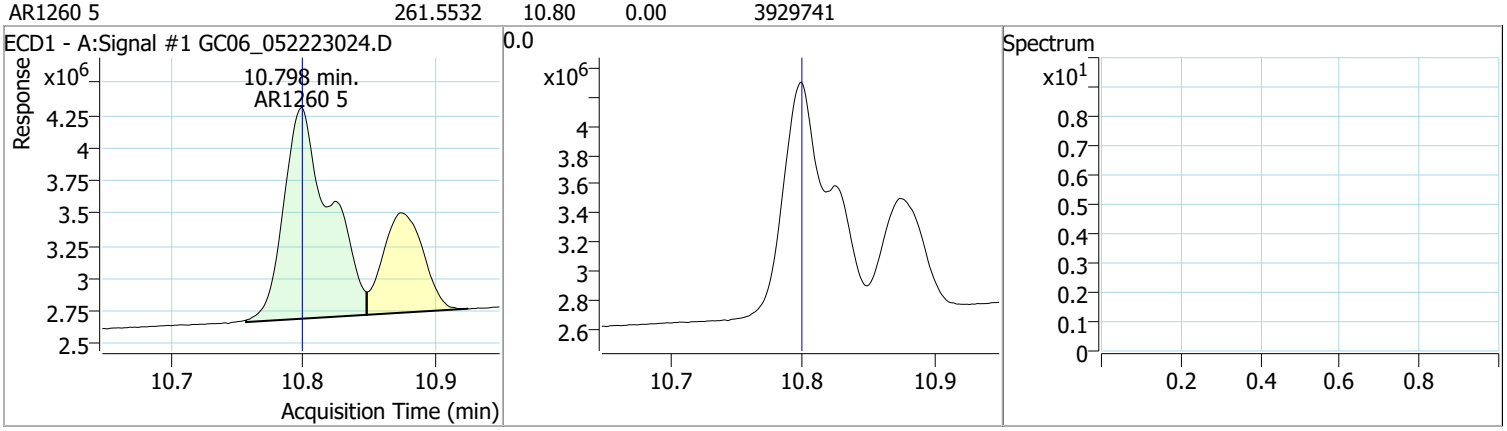
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	266.1884	10.13	0.00	7114256				



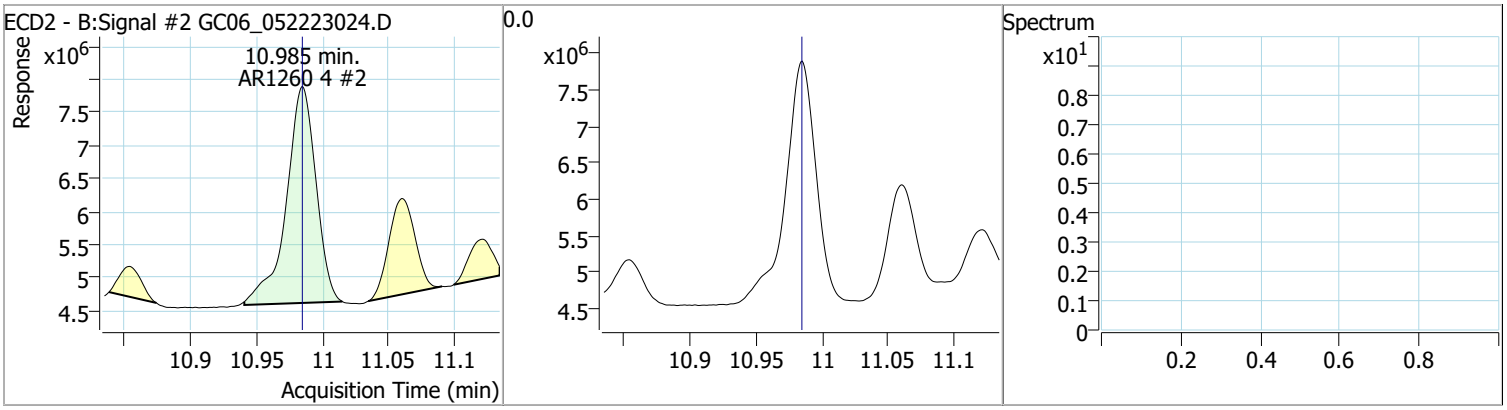
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	248.1026	10.57	0.00	8510148				



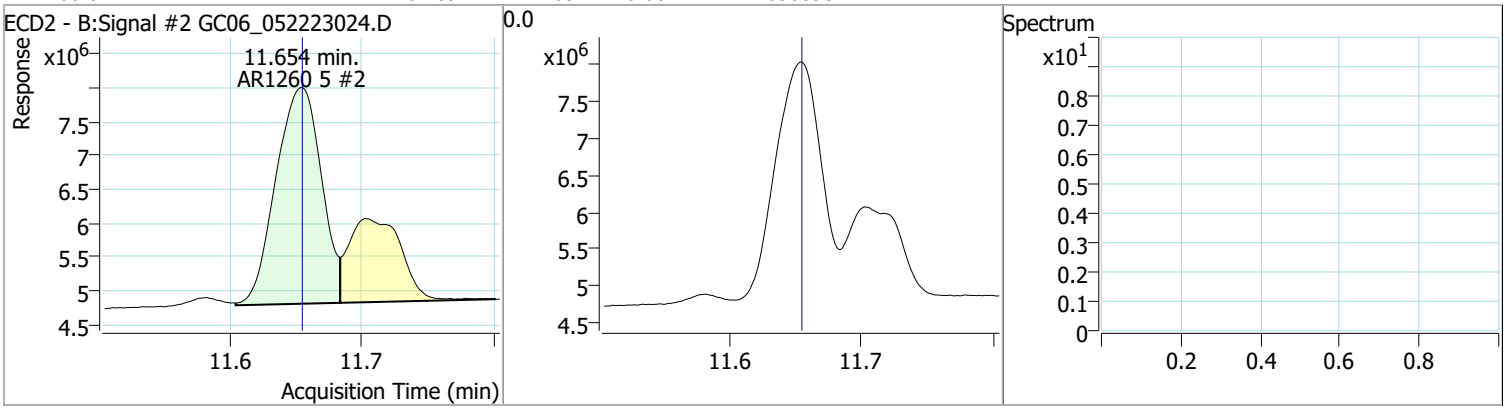
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	261.5532	10.80	0.00	3929741				



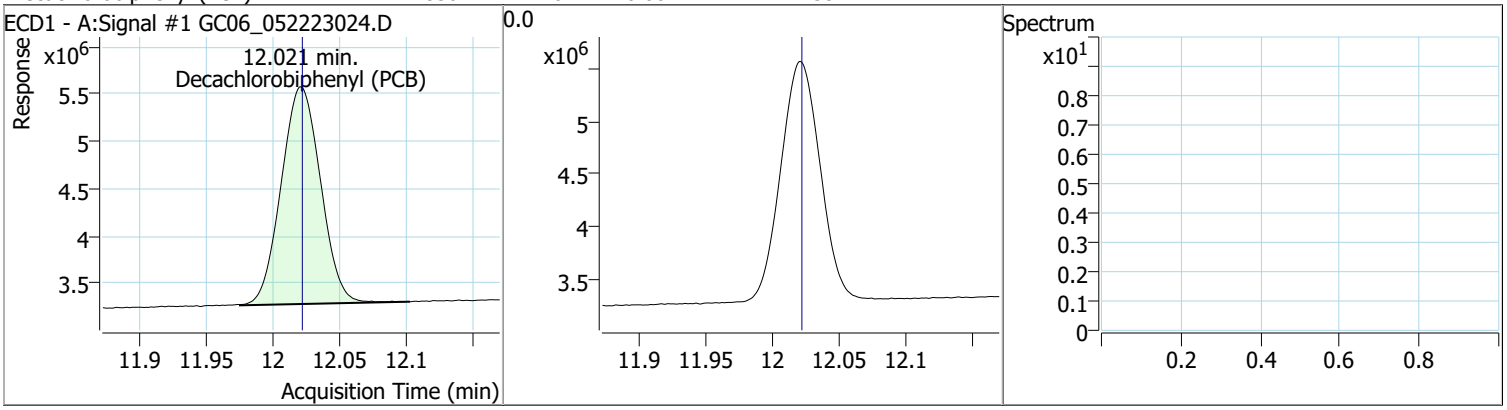
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	255.6312	10.99	0.00	5124486				



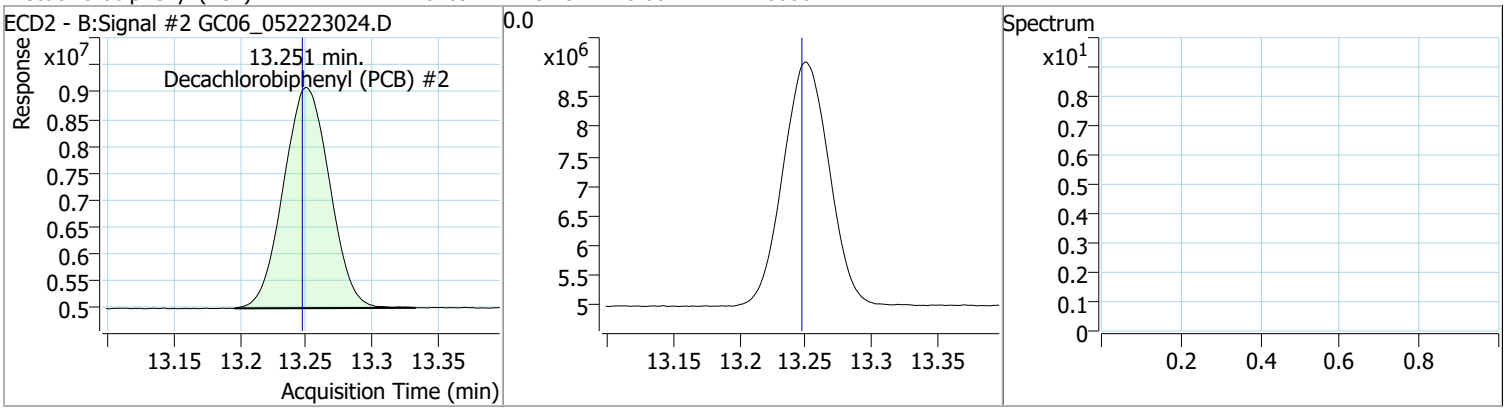
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	262.8942	11.65	0.00	7656893				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	22.8562	12.02	0.00	4744255				

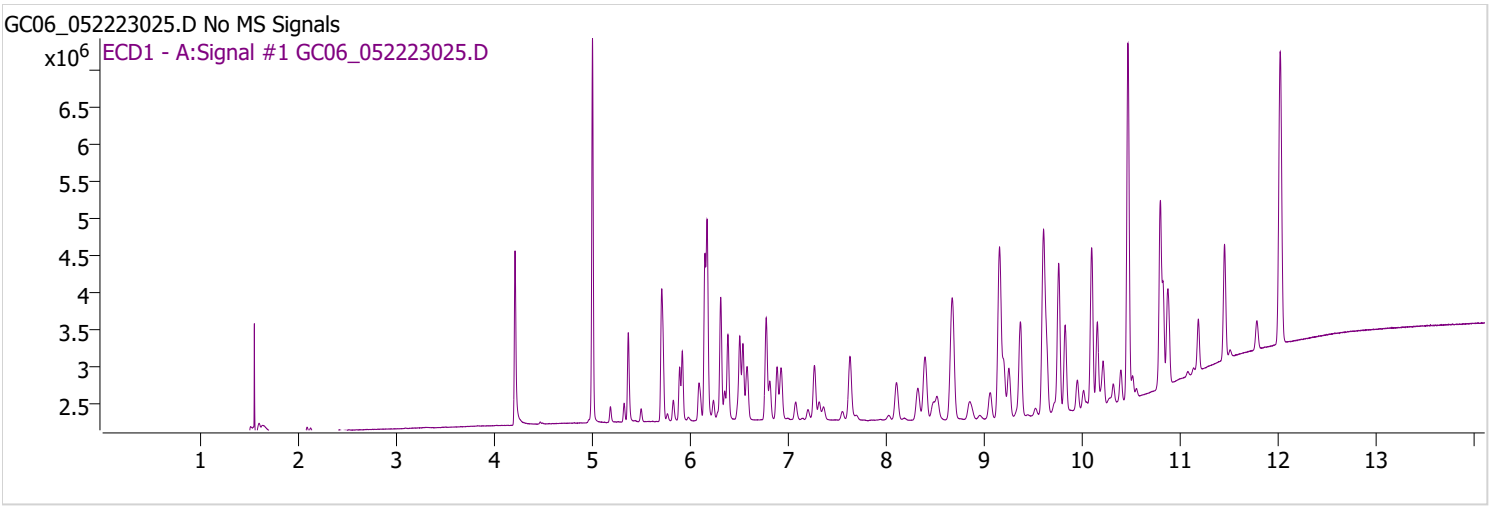


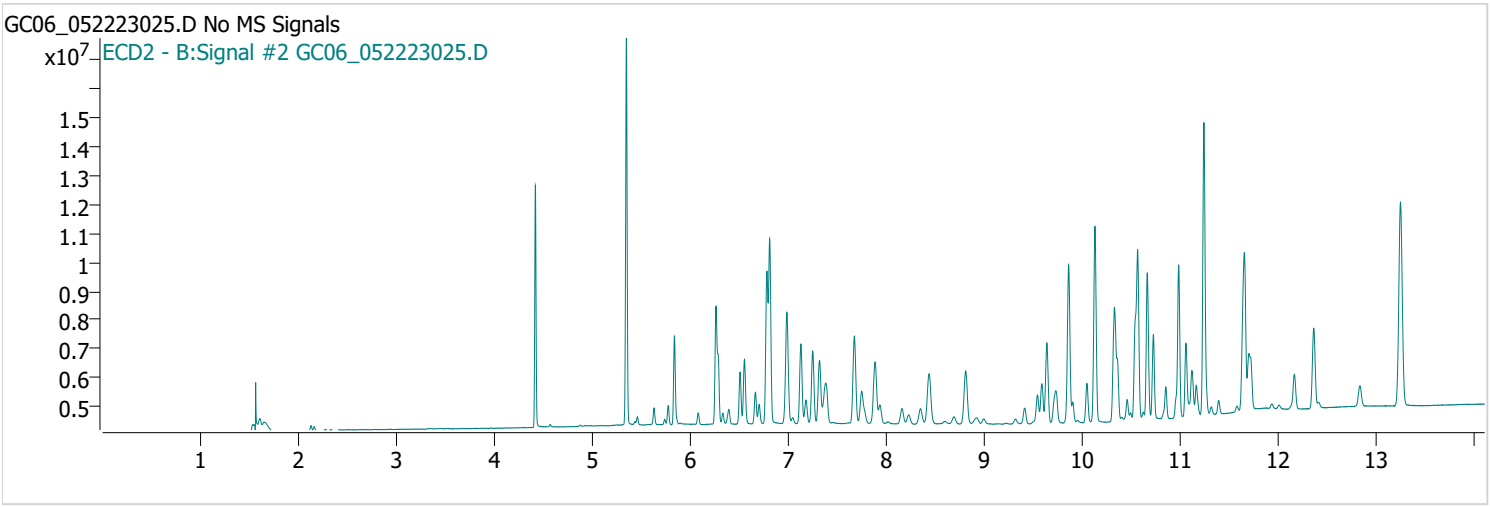
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	22.8209	13.25	0.00	10006447				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223025.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 9:38:04 PM
Sample Name	ICAL, S18184	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



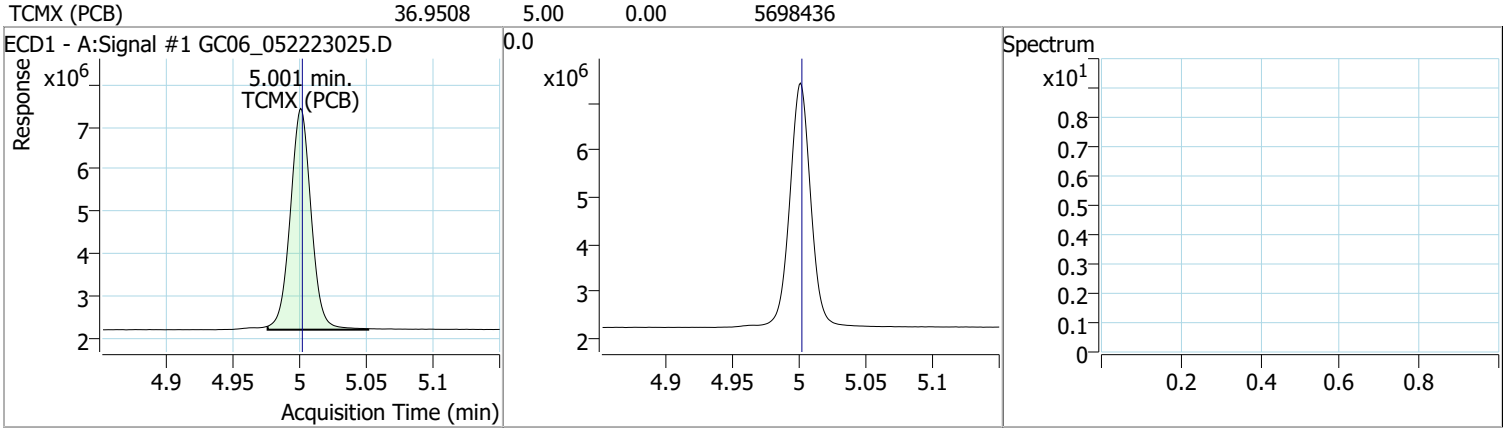


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	2909160.850	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	7736690.508	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.001	0.0	5698436.221	36.9508	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.75%		*	
S TCMX (PCB) #2	5.347	0.0	14422780.515	35.2444	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.22%		*	
S Decachlorobiphenyl (PCB)	12.021	0.0	8235314.071	42.7706	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.85%		*	
S Decachlorobiphenyl (PCB) #2	13.248	0.0	17429121.972	42.8923	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.46%		*	
Target Compounds							QValue

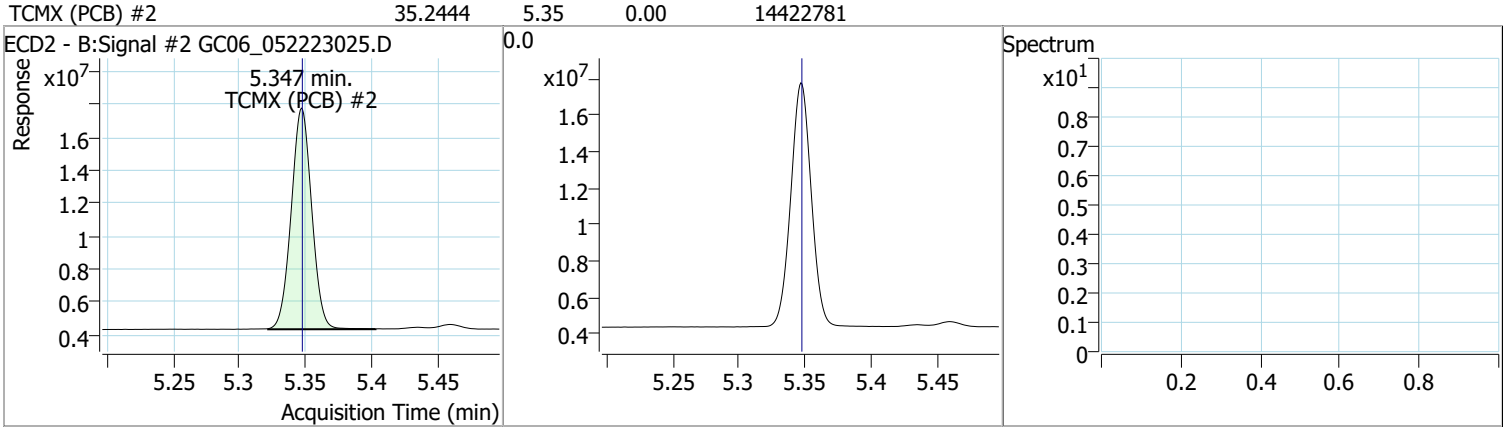
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.367	0.0	1587697.381	493.0862	ng/ml		100
T AR1016 2	5.708	0.0	3194236.385	485.7638	ng/ml		100
T AR1016 1 #2	5.838	0.0	3863996.183	479.9959	ng/ml		100
T AR1016 3	6.170	0.0	4069268.054	485.1731	ng/ml	m	100
T AR1016 2 #2	6.262	0.0	8381400.783	463.8384	ng/ml		100
T AR1016 4	6.310	0.0	2478271.102	479.8010	ng/ml		100
T AR1016 5	6.504	0.0	1917743.498	500.2449	ng/ml		100
T AR1016 3 #2	6.809	0.0	10472814.879	482.1860	ng/ml		100
T AR1016 4 #2	6.985	0.0	7430722.951	474.4934	ng/ml		100
T AR1016 5 #2	7.248	0.0	4251602.201	484.9138	ng/ml		100
T AR1260 1	8.673	0.0	4542854.829	472.5429	ng/ml		100
T AR1260 2	9.156	0.0	6987477.539	477.8252	ng/ml		100
T AR1260 3	9.606	0.0	7059312.169	450.3742	ng/ml		100
T AR1260 1 #2	9.861	0.0	10000980.937	456.3729	ng/ml		100
T AR1260 4	10.096	0.0	4024736.519	469.7254	ng/ml		100
T AR1260 2 #2	10.130	0.0	11654142.726	470.5333	ng/ml		100
T AR1260 3 #2	10.565	0.0	14145764.822	445.0113	ng/ml		100
T AR1260 5	10.798	0.0	6496936.823	466.1577	ng/ml		100
T AR1260 4 #2	10.985	0.0	8664032.985	466.3736	ng/ml		100
T AR1260 5 #2	11.655	0.0	12665086.608	469.2312	ng/ml		100

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

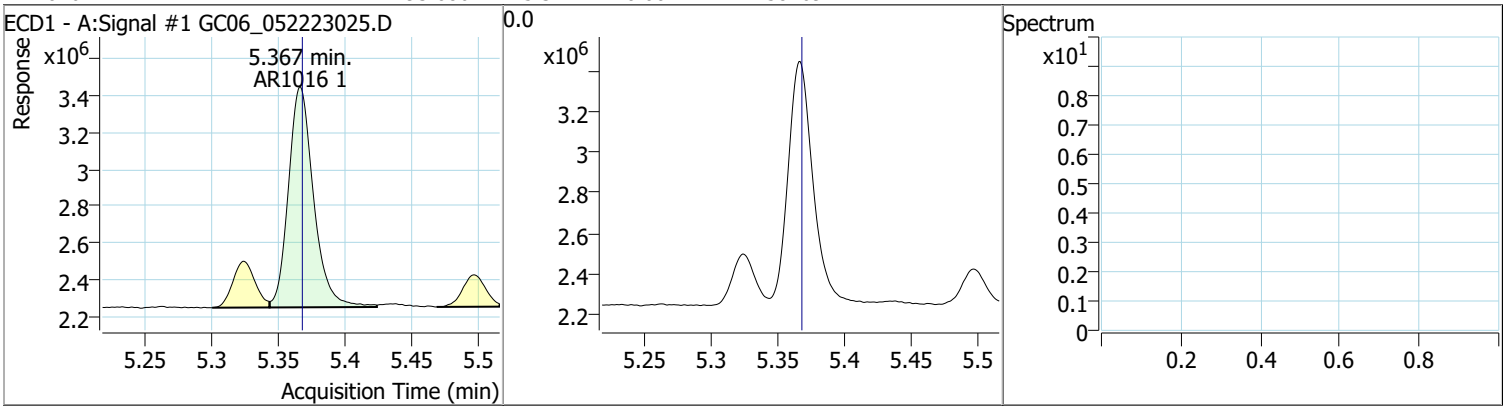
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.9508	5.00	0.00	5698436				



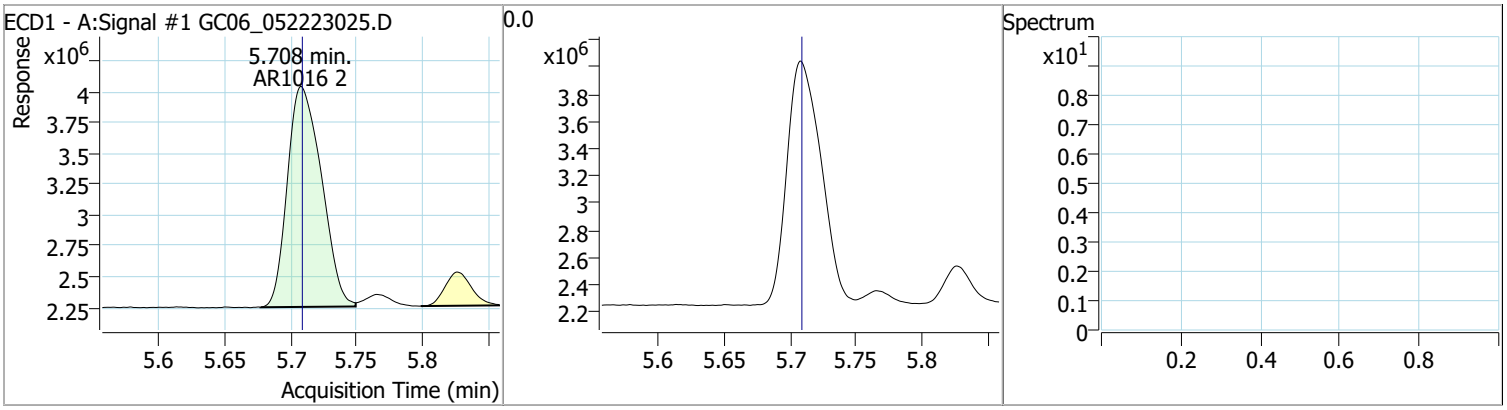
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.2444	5.35	0.00	14422781				



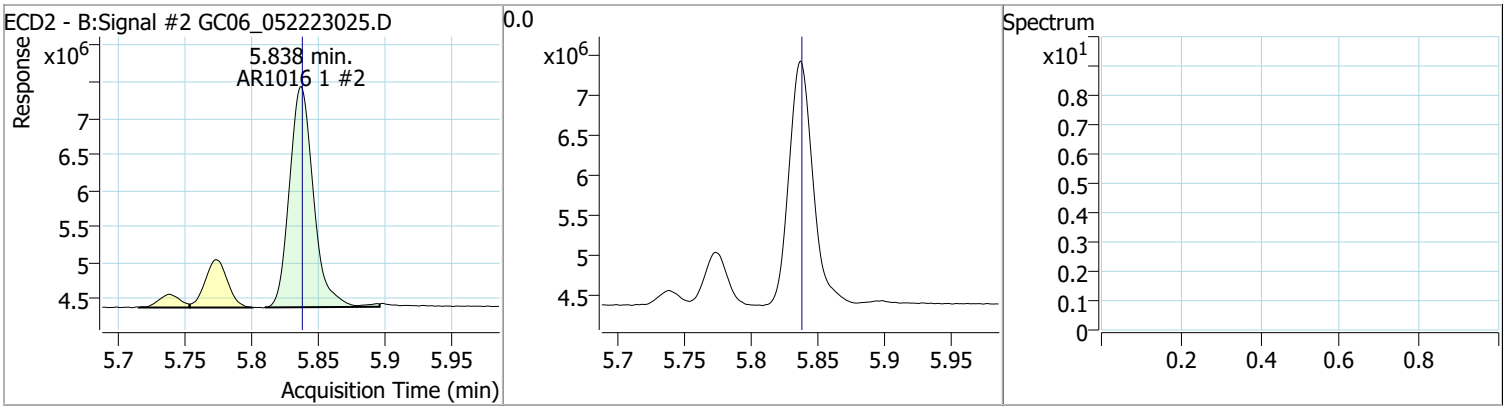
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	493.0862	5.37	0.00	1587697				



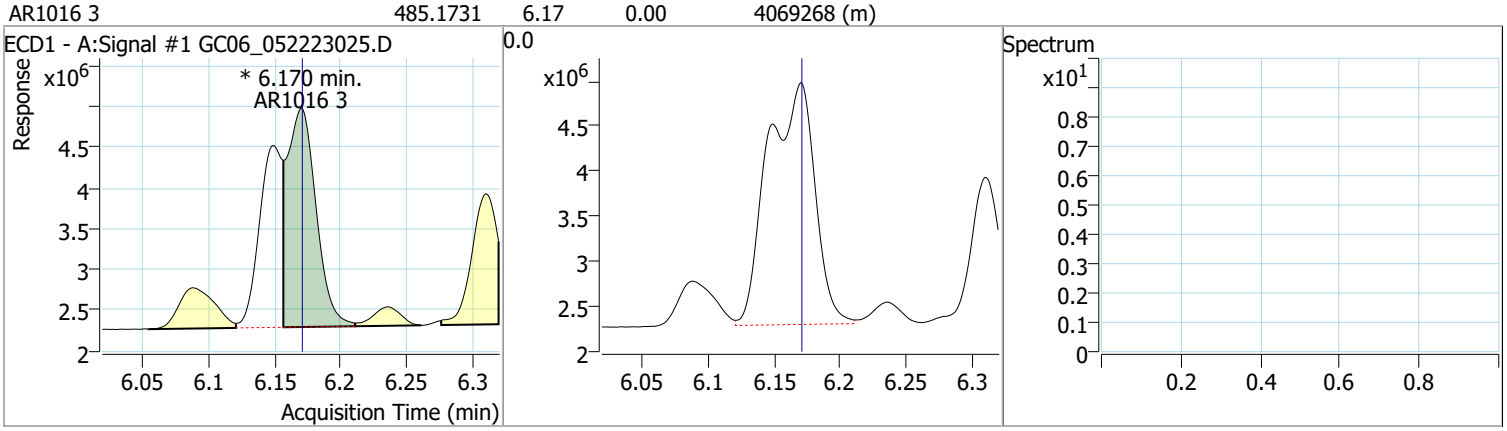
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	485.7638	5.71	0.00	3194236				



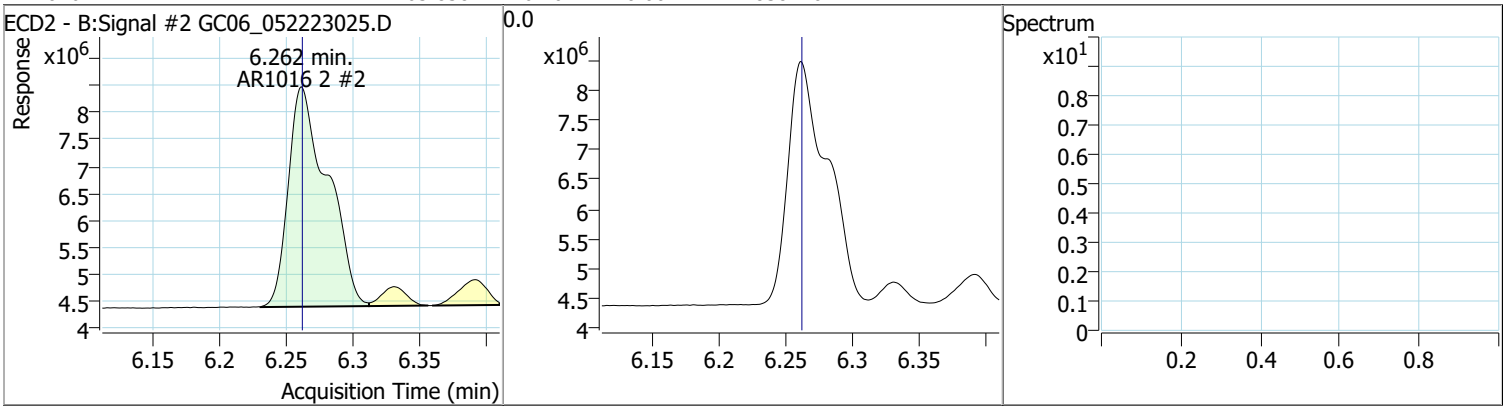
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	479.9959	5.84	0.00	3863996				



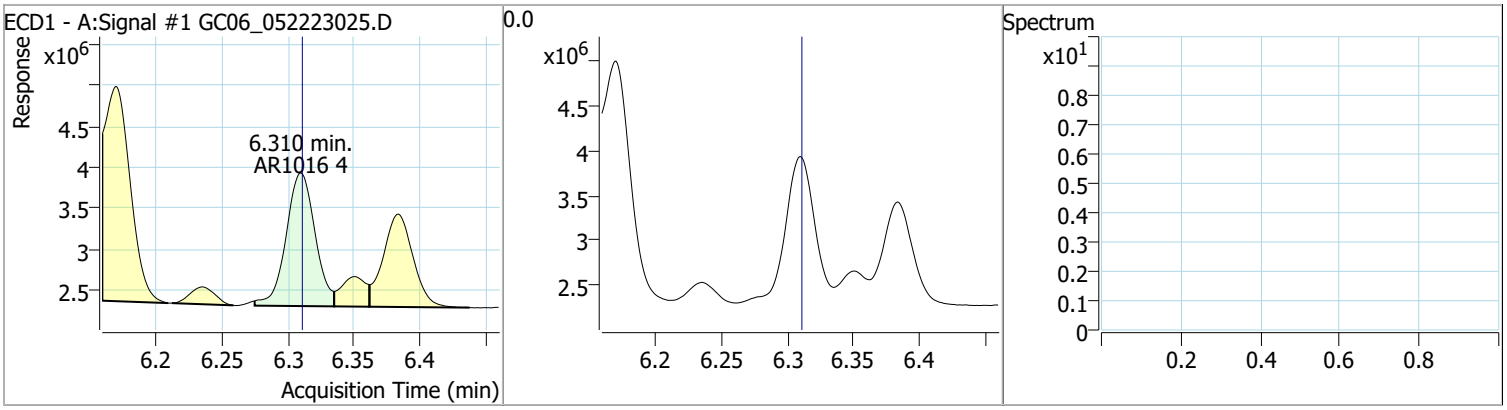
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	485.1731	6.17	0.00	4069268 (m)				



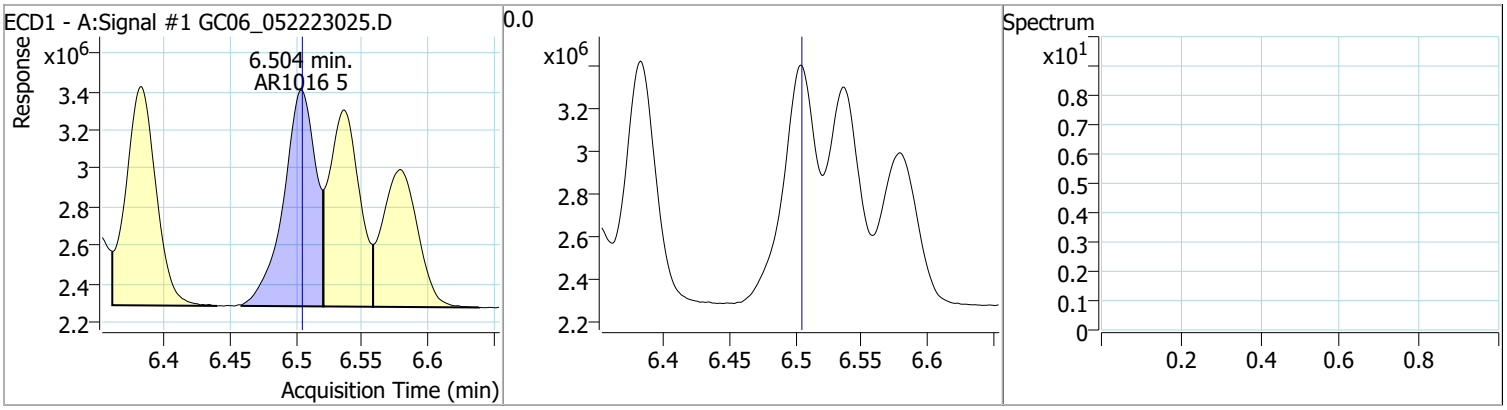
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	463.8384	6.26	0.00	8381401				



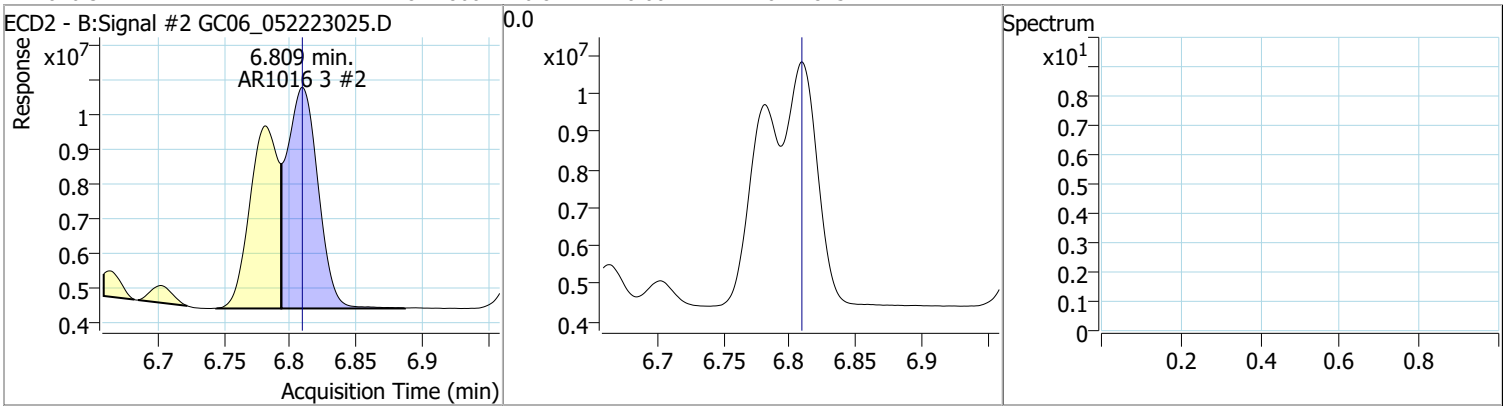
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.8010	6.31	0.00	2478271				



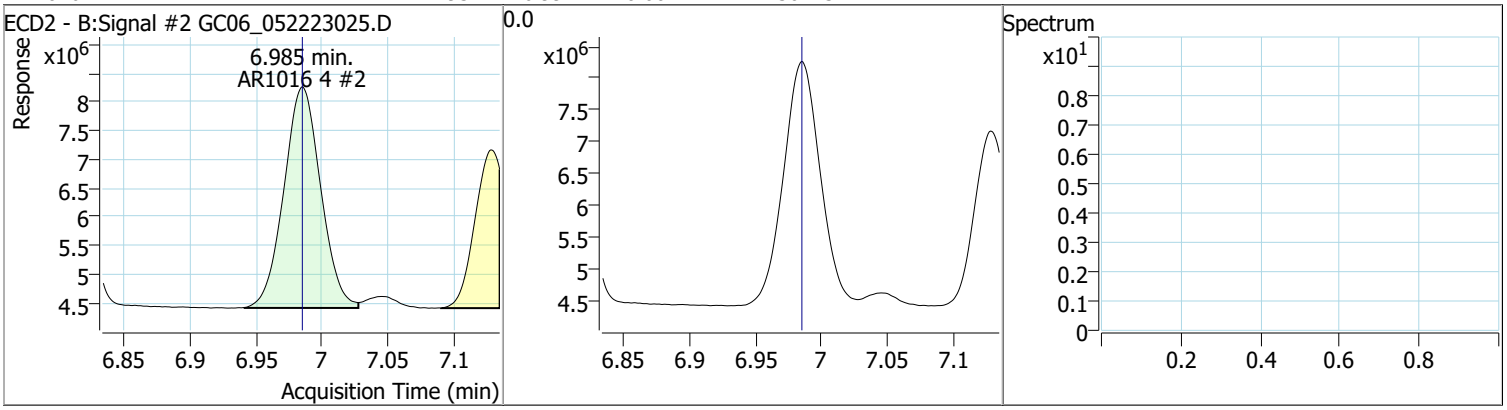
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	500.2449	6.50	0.00	1917743				



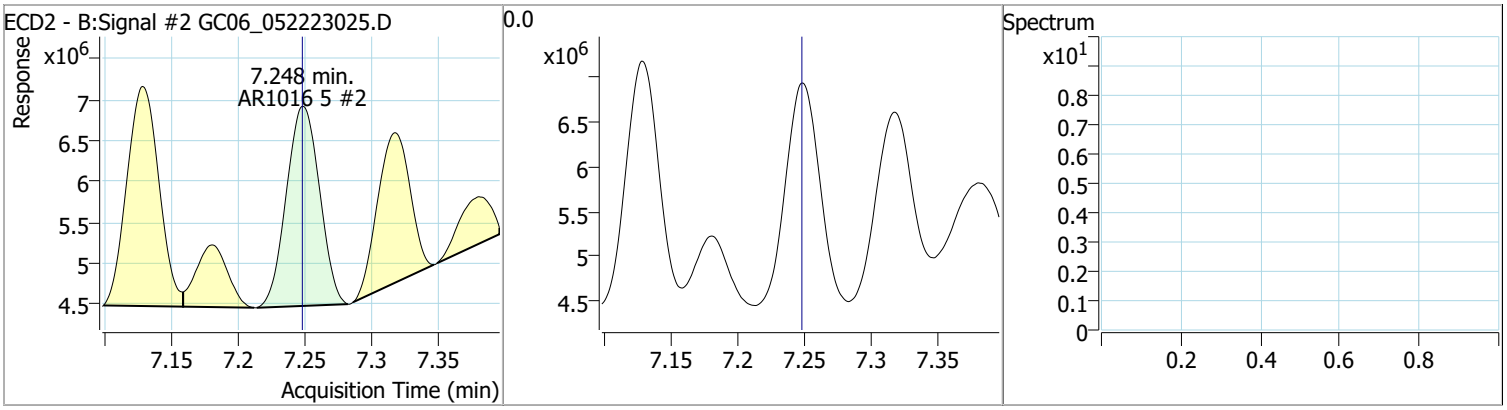
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	482.1860	6.81	0.00	10472815				



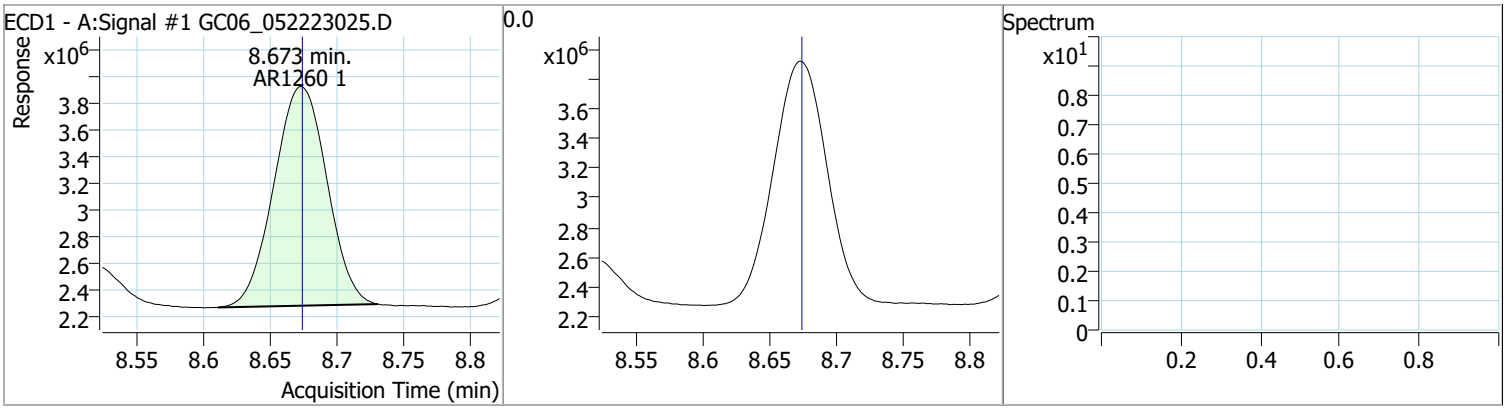
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	474.4934	6.99	0.00	7430723				



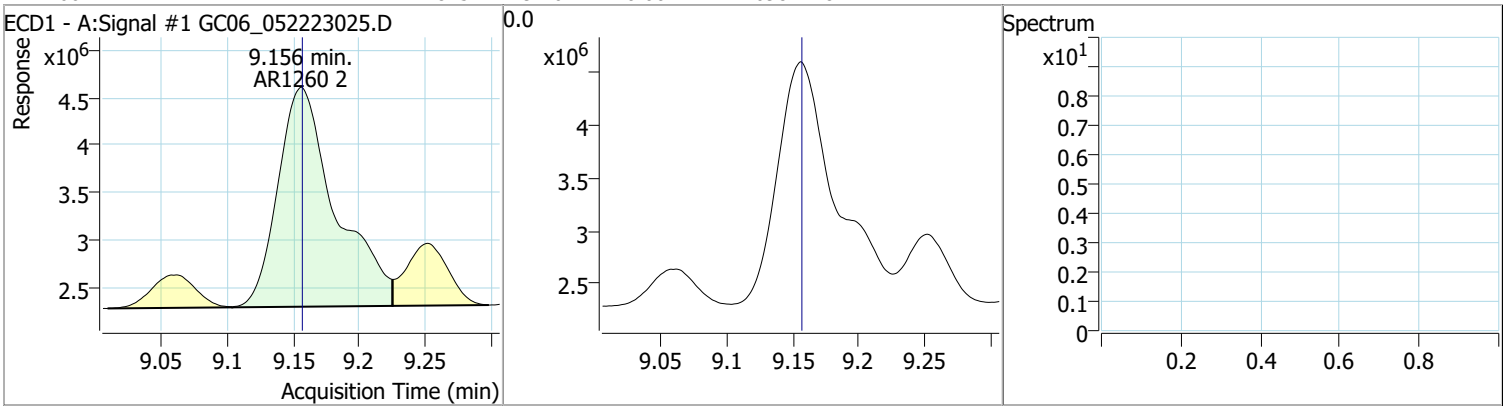
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	484.9138	7.25	0.00	4251602				



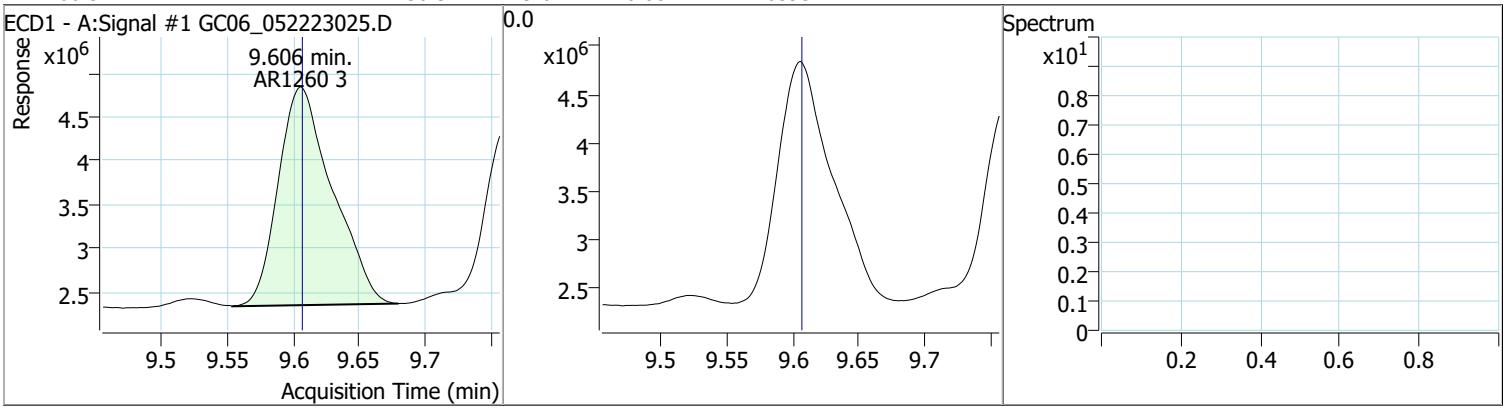
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	472.5429	8.67	0.00	4542855				



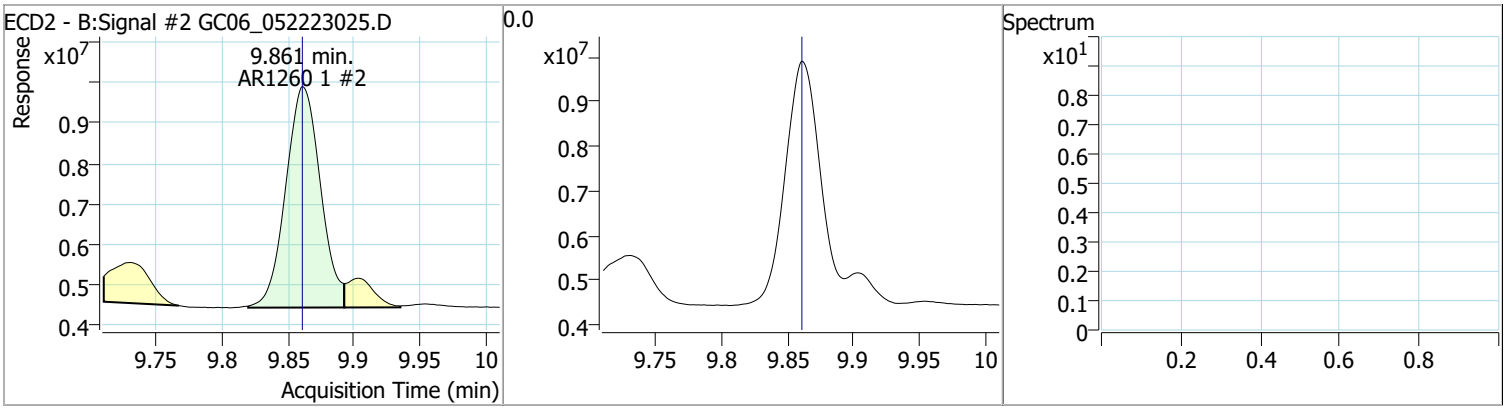
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	477.8252	9.16	0.00	6987478				



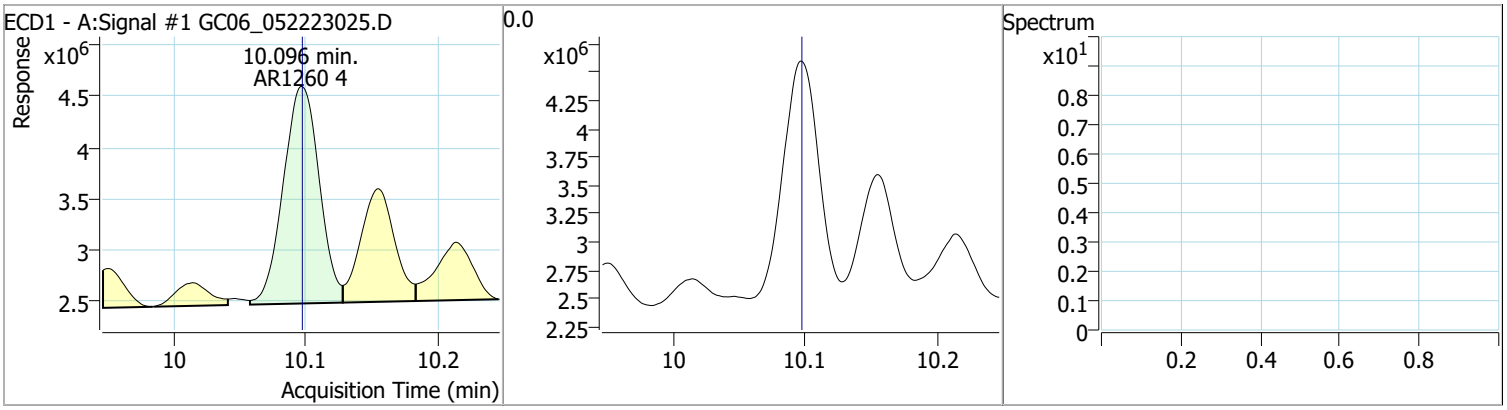
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	450.3742	9.61	0.00	7059312				



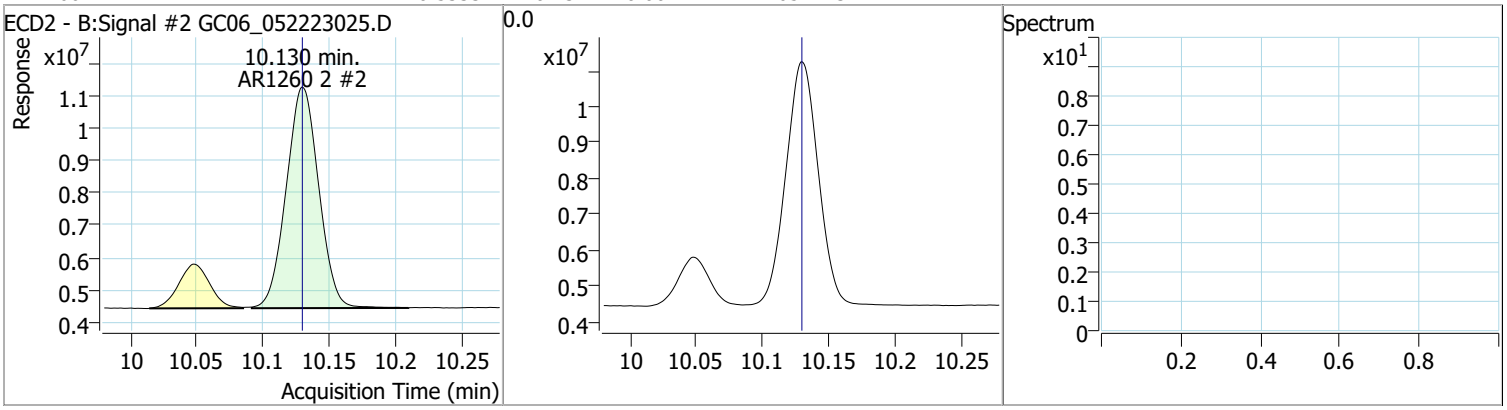
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	456.3729	9.86	0.00	10000981				



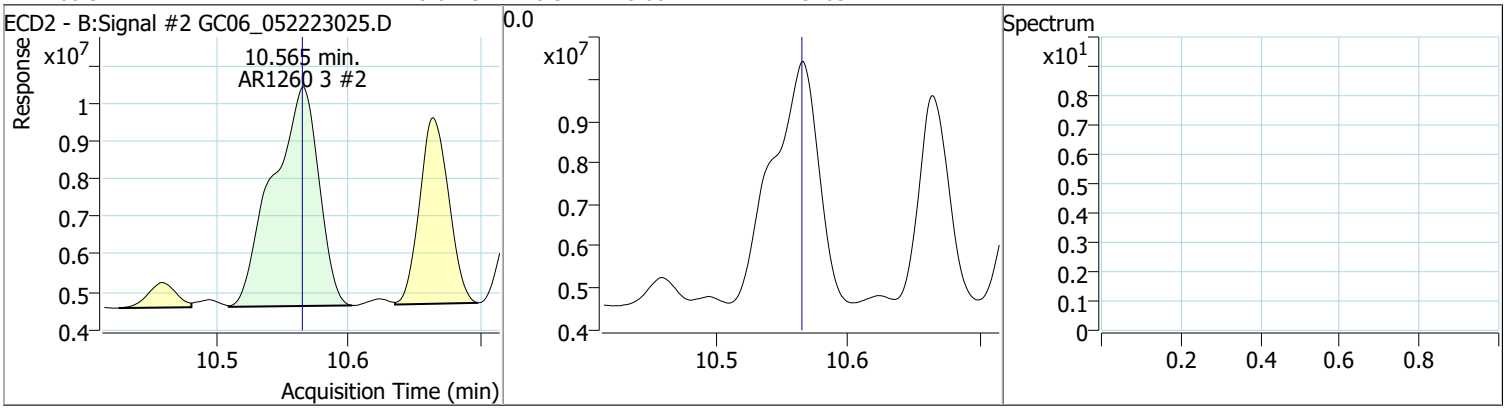
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	469.7254	10.10	0.00	4024737				



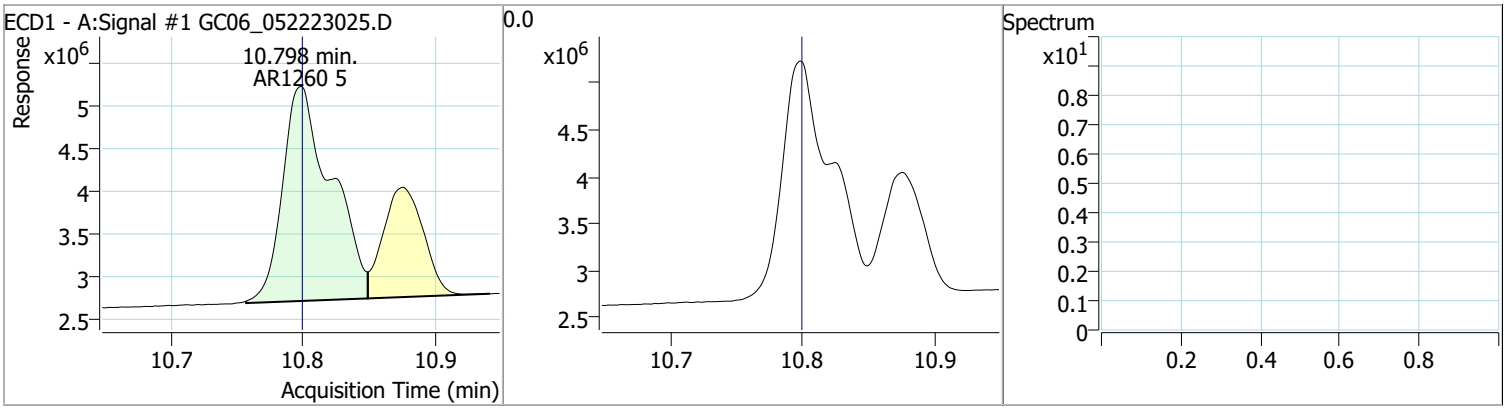
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	470.5333	10.13	0.00	11654143				



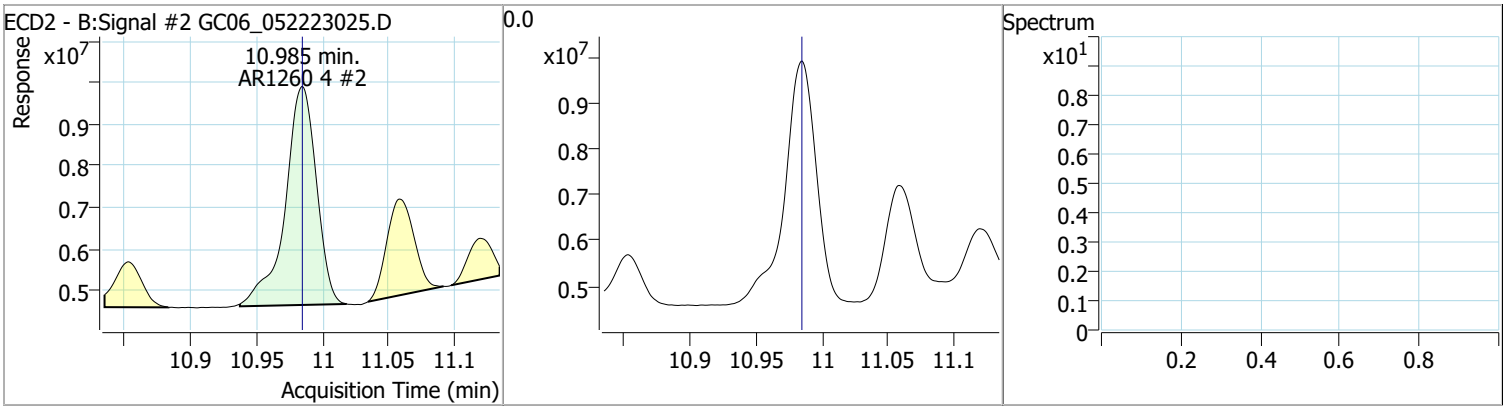
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	445.0113	10.57	0.00	14145765				



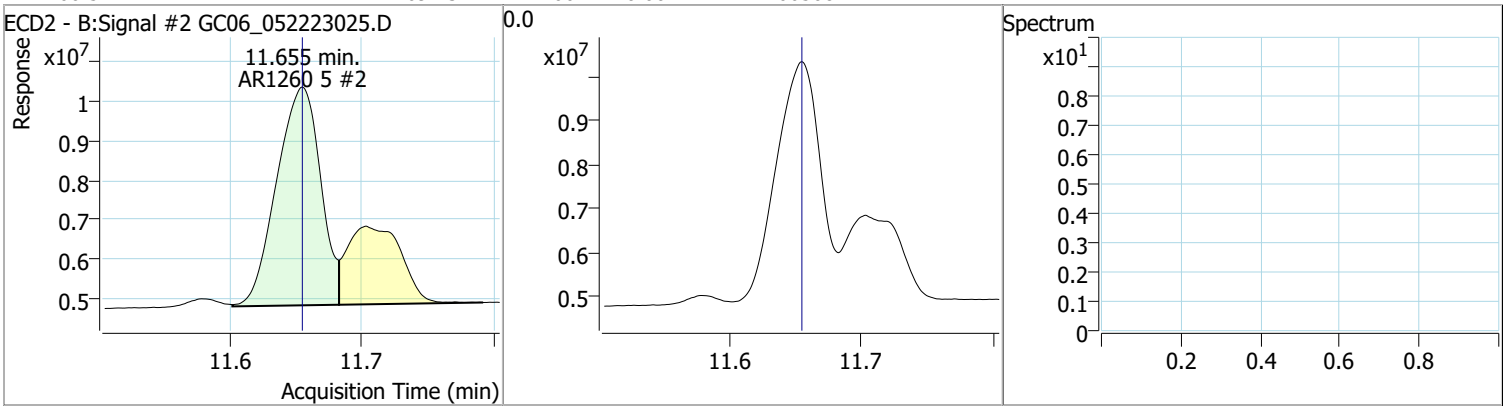
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	466.1577	10.80	0.00	6496937				



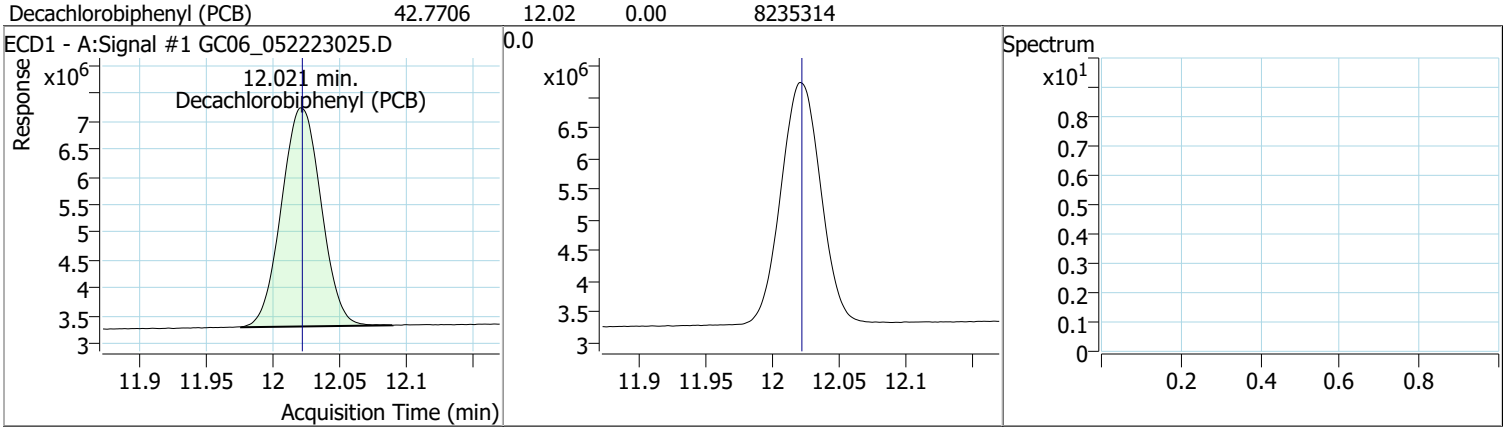
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	466.3736	10.99	0.00	8664033				



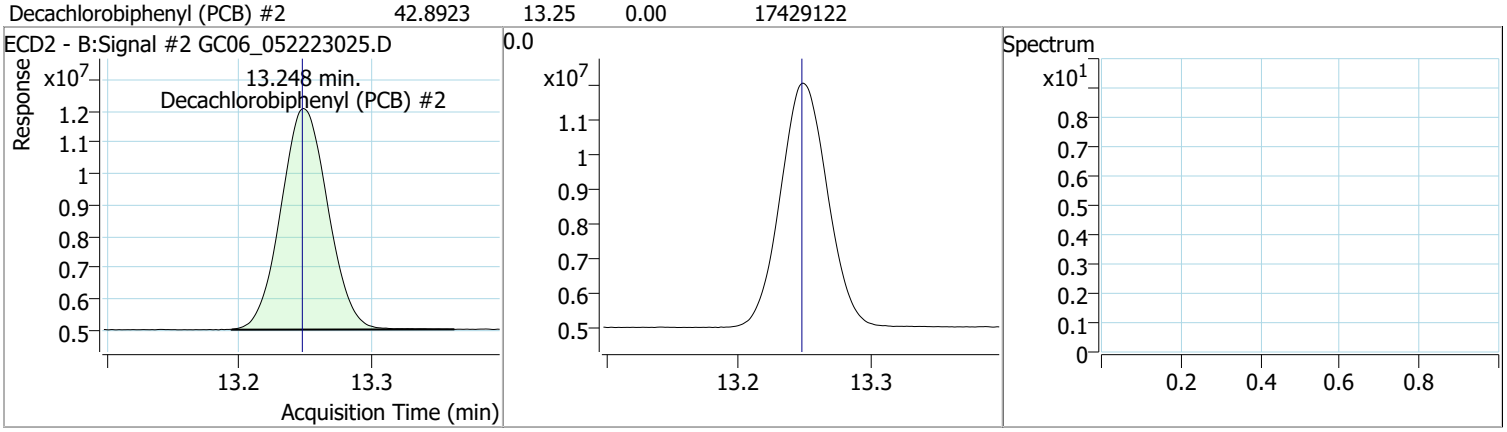
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	469.2312	11.66	0.00	12665087				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.7706	12.02	0.00	8235314				

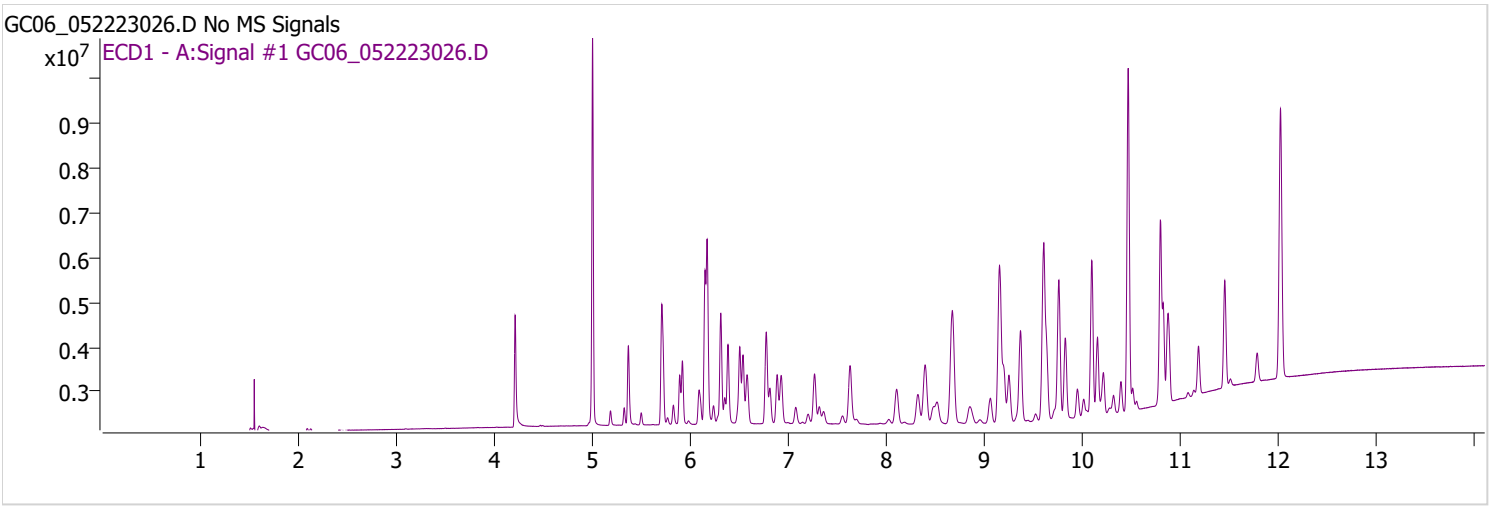


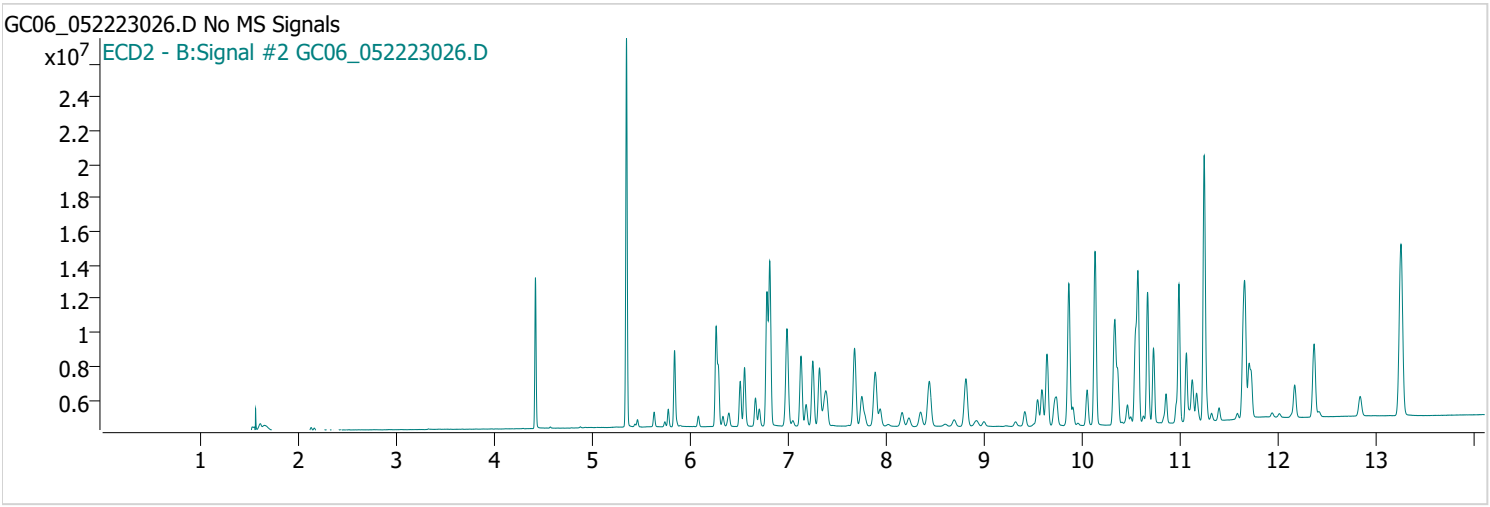
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.8923	13.25	0.00	17429122				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223026.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 9:56:20 PM
Sample Name	ICAL, S18185	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



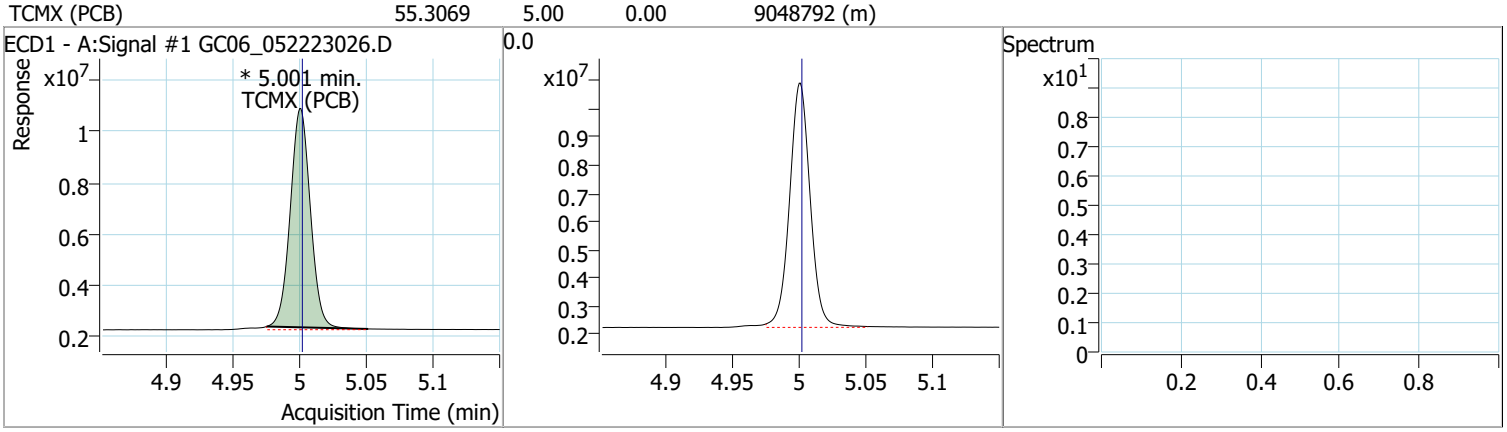


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	3086367.414	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	8224328.853	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.001	0.0	9048791.925	55.3069	ng/ml	m	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 276.53%		*	
S TCMX (PCB) #2	5.347	0.0	24010085.364	55.1937	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 275.97%		*	
S Decachlorobiphenyl (PCB)	12.021	0.0	12061391.747	59.0449	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 295.22%		*	
S Decachlorobiphenyl (PCB) #2	13.251	0.0	25490224.056	59.0109	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 295.05%		*	
Target Compounds							QValue

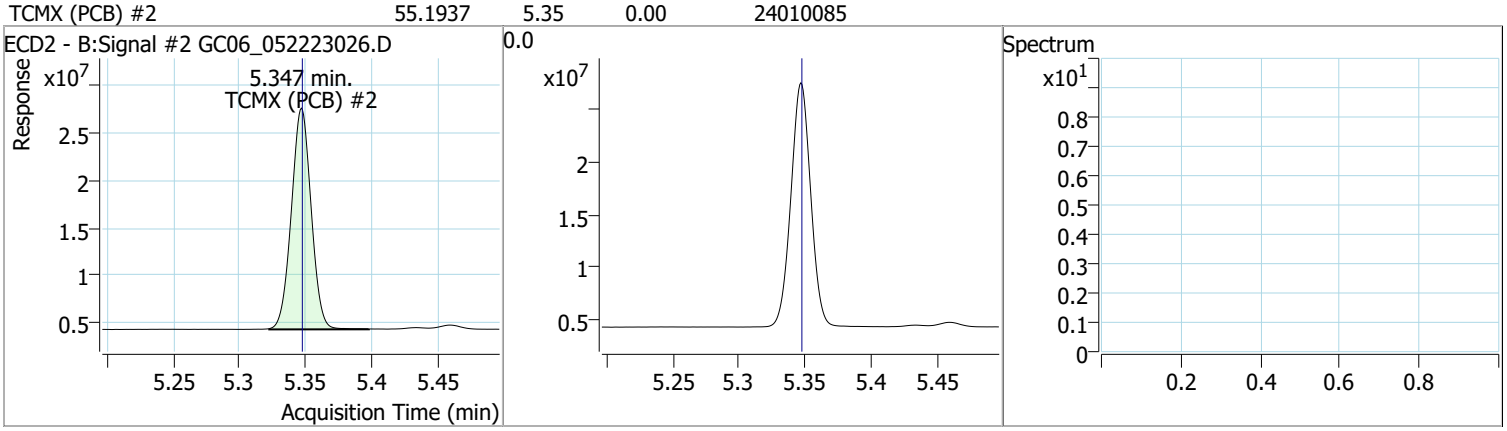
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.366	0.0	2384243.852	697.9525	ng/ml	100
T AR1016 2	5.708	0.0	4760666.951	682.4110	ng/ml	100
T AR1016 1 #2	5.838	0.0	5827205.118	680.9511	ng/ml	100
T AR1016 3	6.169	0.0	6000883.948	674.3972	ng/ml	100
T AR1016 2 #2	6.262	0.0	12559633.758	653.8555	ng/ml	100
T AR1016 4	6.309	0.0	3720951.216	679.0260	ng/ml	100
T AR1016 5	6.503	0.0	2857934.083	702.6911	ng/ml	100
T AR1016 3 #2	6.808	0.0	15681291.537	679.1844	ng/ml	100
T AR1016 4 #2	6.984	0.0	11249992.628	675.7812	ng/ml	100
T AR1016 5 #2	7.248	0.0	6478288.545	695.0674	ng/ml	100
T AR1260 1	8.672	0.0	6996527.926	685.9857	ng/ml	100
T AR1260 2	9.153	0.0	10756630.534	693.3379	ng/ml	100
T AR1260 3	9.606	0.0	10972647.970	659.8462	ng/ml	100
T AR1260 1 #2	9.861	0.0	15508640.183	665.7417	ng/ml	100
T AR1260 4	10.095	0.0	6281515.671	691.0209	ng/ml	100
T AR1260 2 #2	10.128	0.0	18017718.623	684.3284	ng/ml	100
T AR1260 3 #2	10.566	0.0	22126582.026	654.8076	ng/ml	100
T AR1260 5	10.795	0.0	10161735.818	687.2461	ng/ml	100
T AR1260 4 #2	10.985	0.0	12705738.725	643.3815	ng/ml	100
T AR1260 5 #2	11.654	0.0	19861517.660	692.2228	ng/ml	100

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

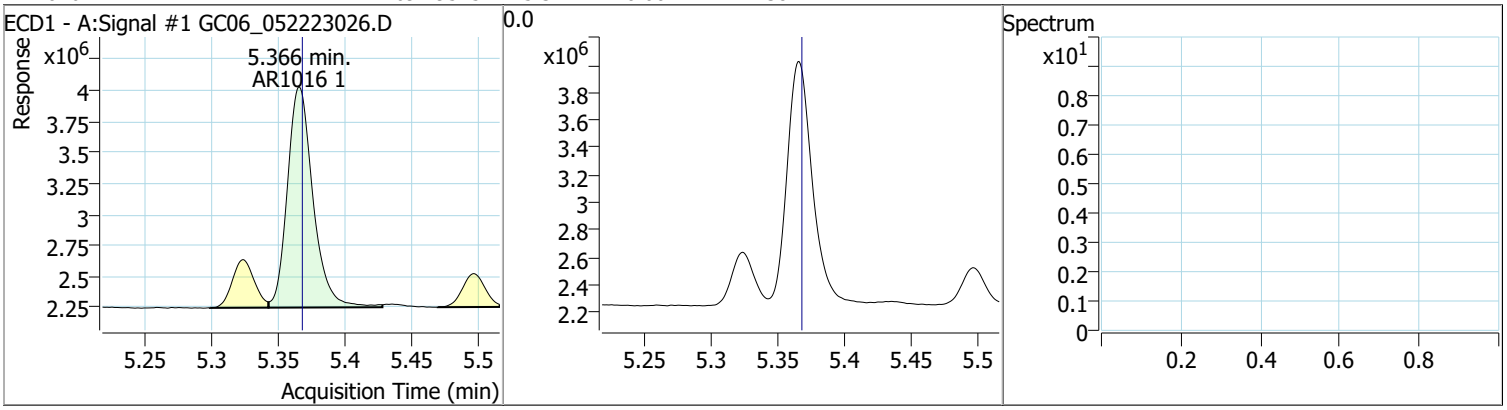
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	55.3069	5.00	0.00	9048792 (m)				



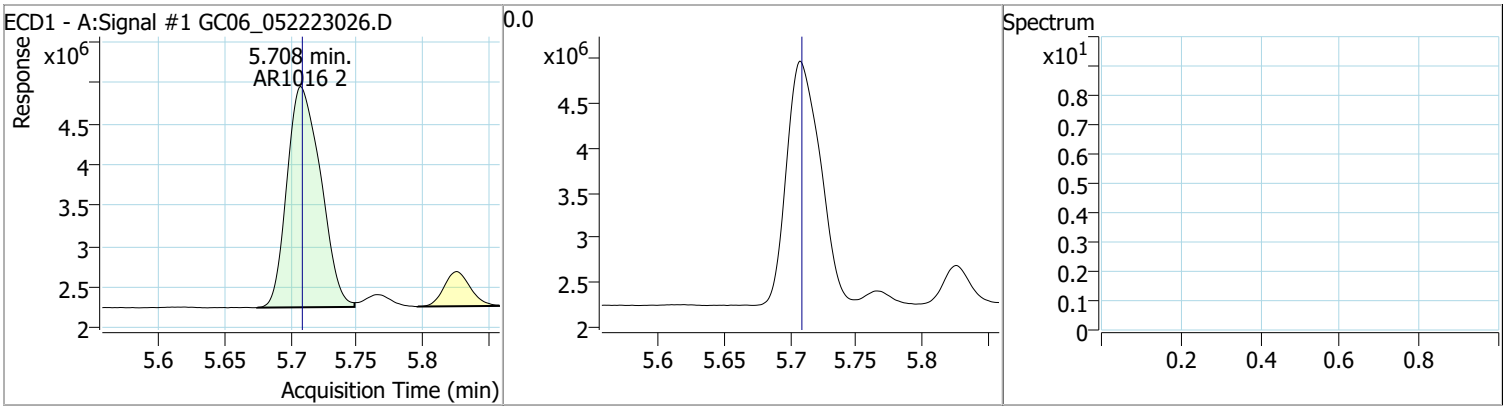
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	55.1937	5.35	0.00	24010085				



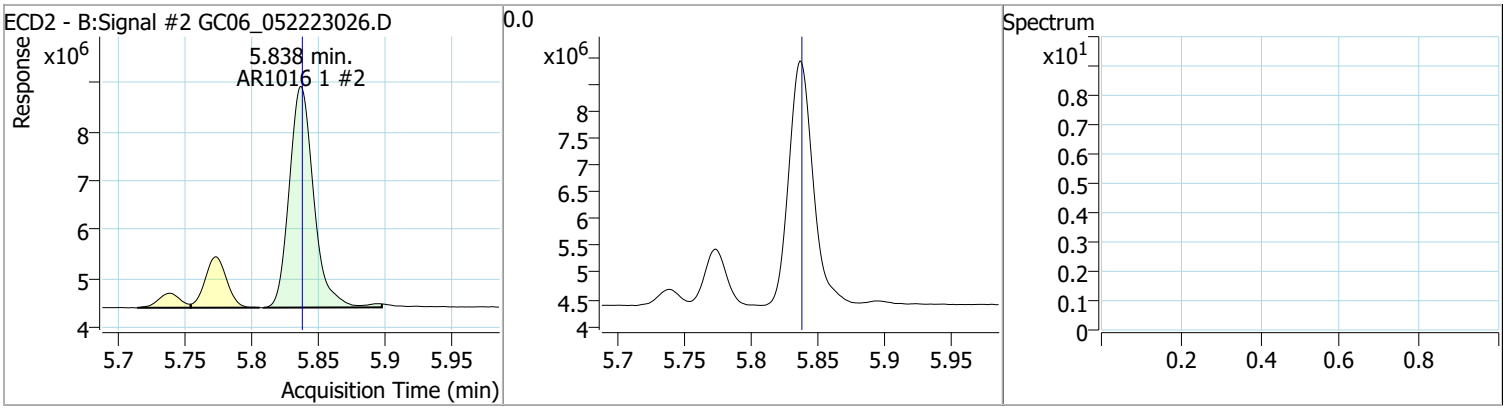
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	697.9525	5.37	0.00	2384244				



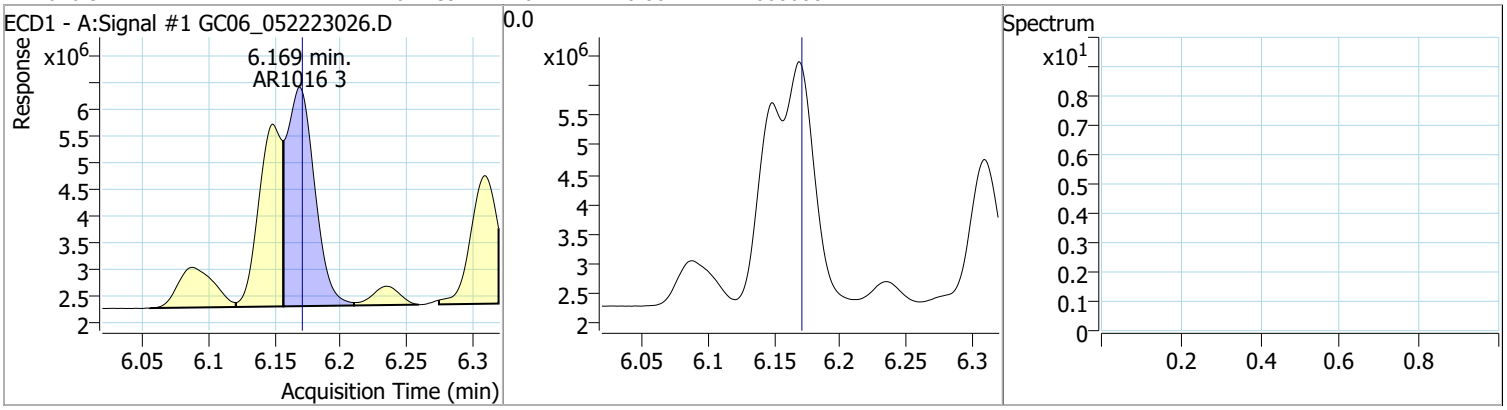
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	682.4110	5.71	0.00	4760667				



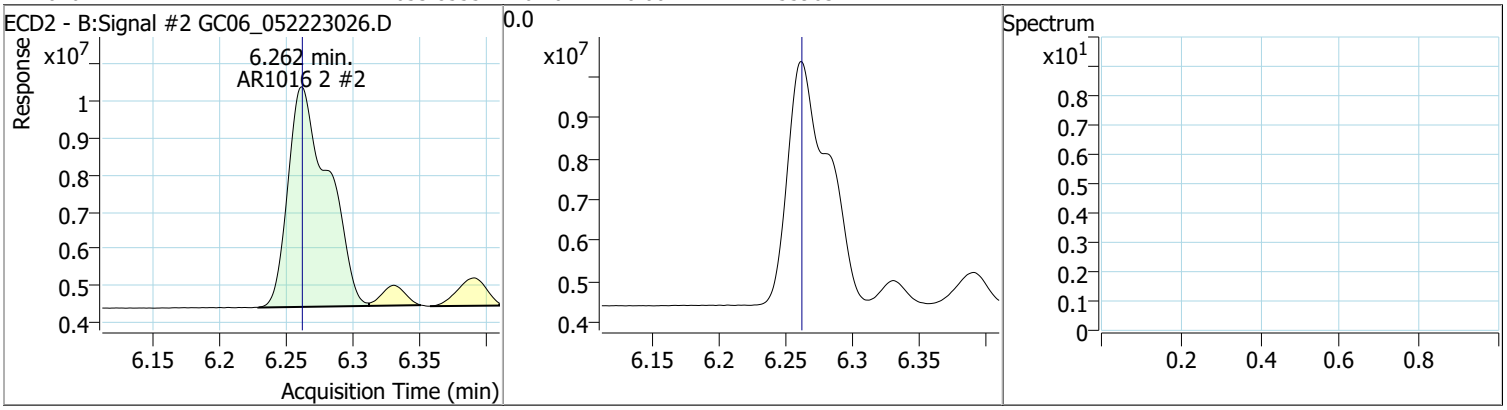
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	680.9511	5.84	0.00	5827205				



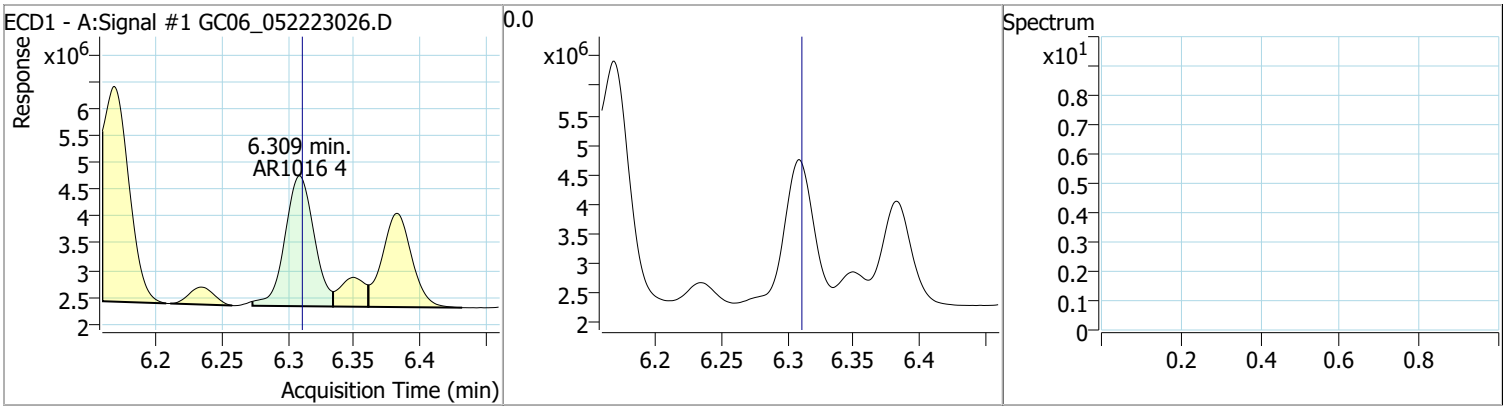
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	674.3972	6.17	0.00	6000884				



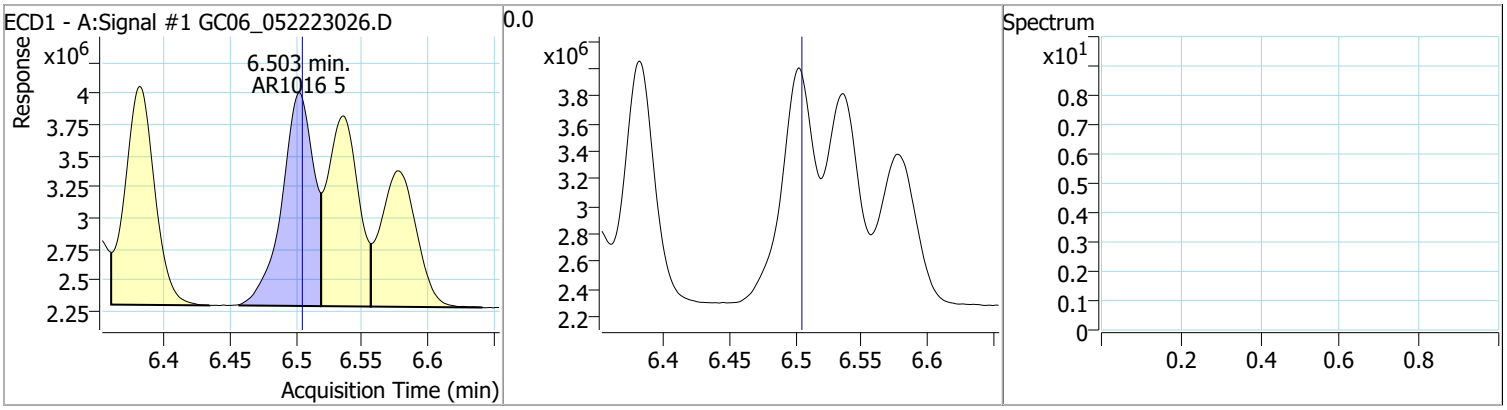
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	653.8555	6.26	0.00	12559634				



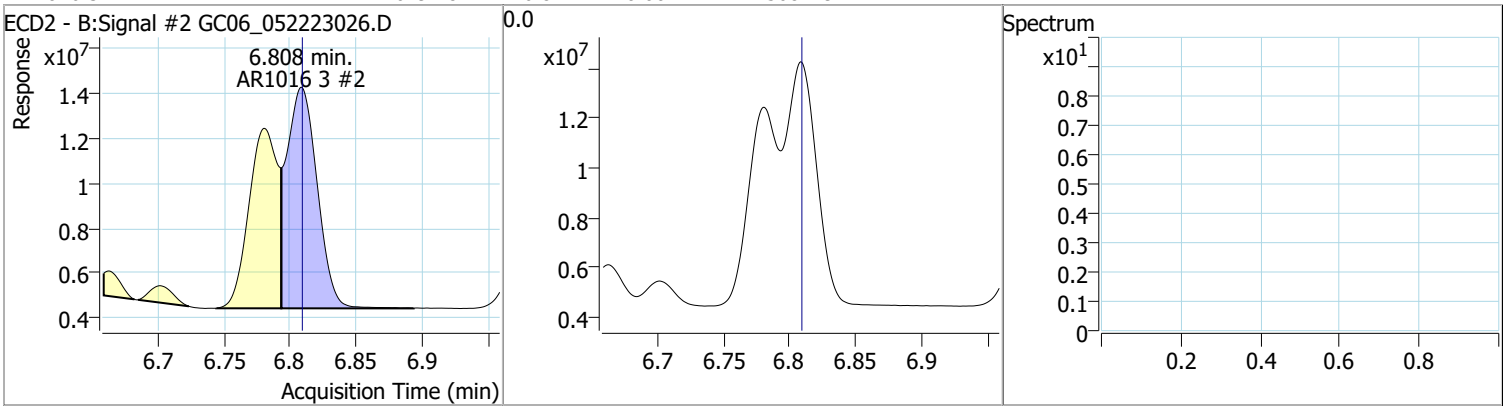
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	679.0260	6.31	0.00	3720951				



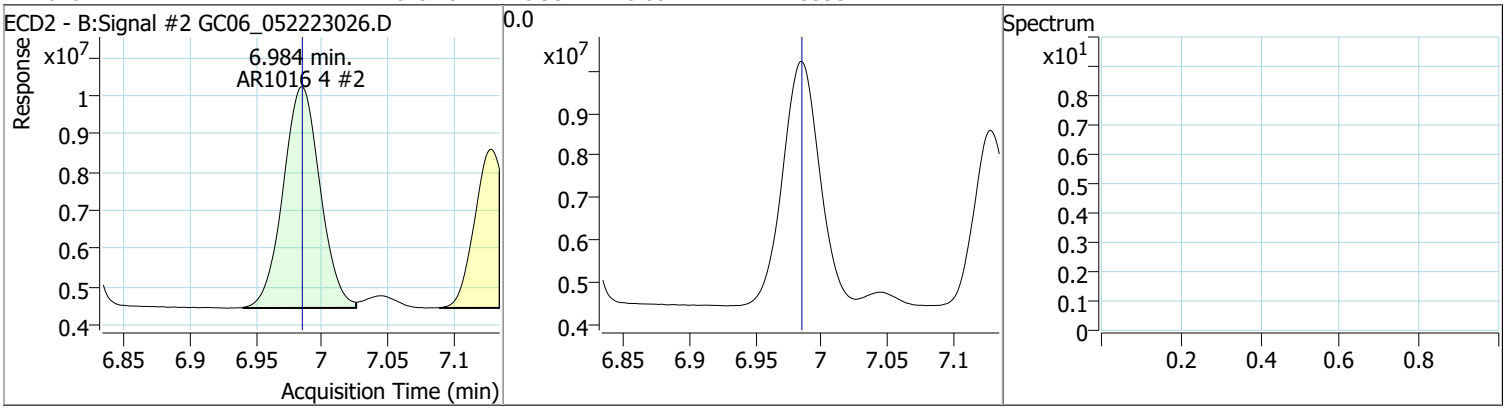
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	702.6911	6.50	0.00	2857934				



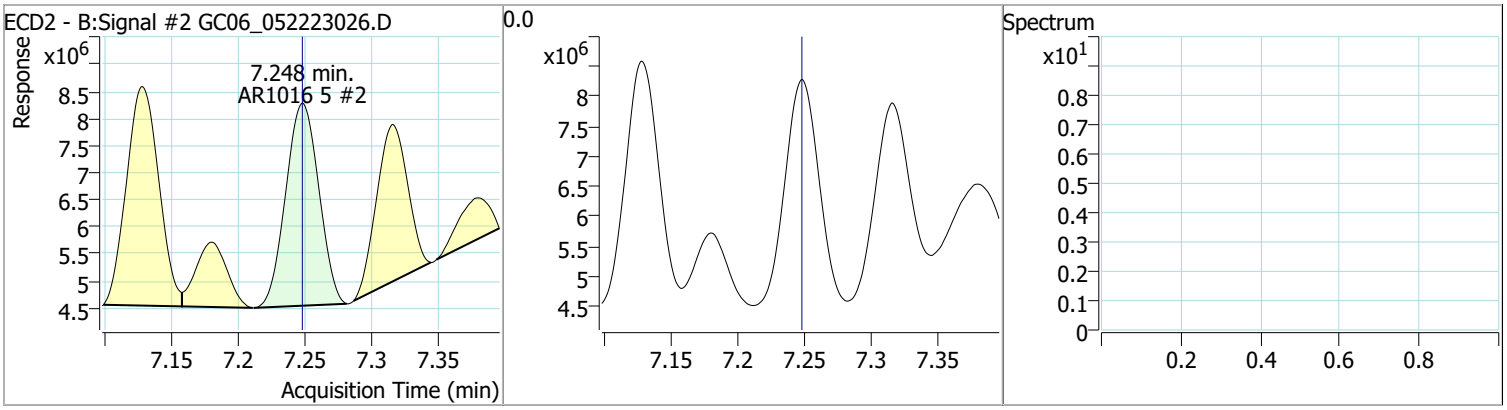
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	679.1844	6.81	0.00	15681292				



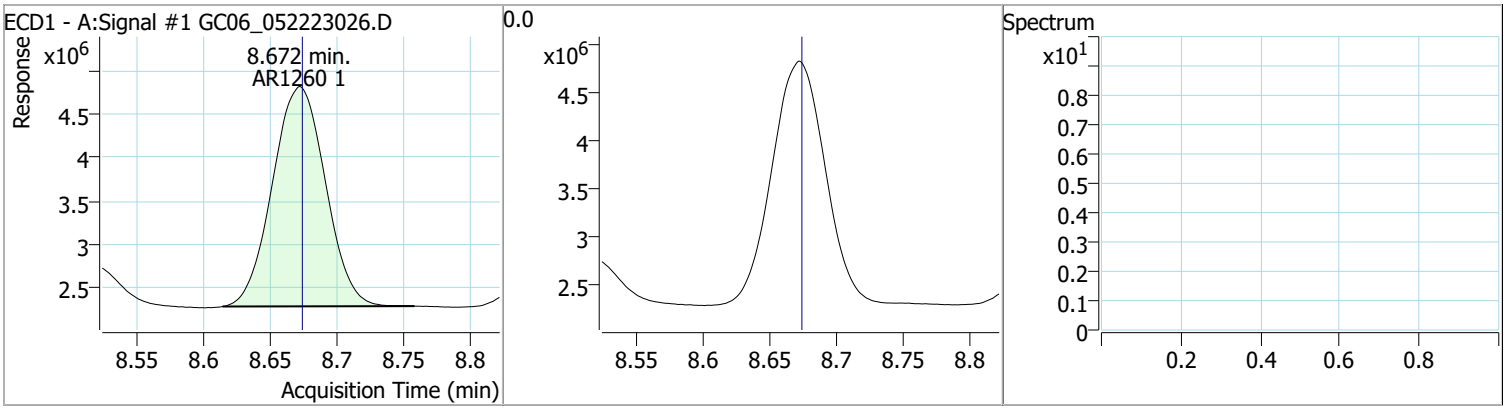
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	675.7812	6.98	0.00	11249993				



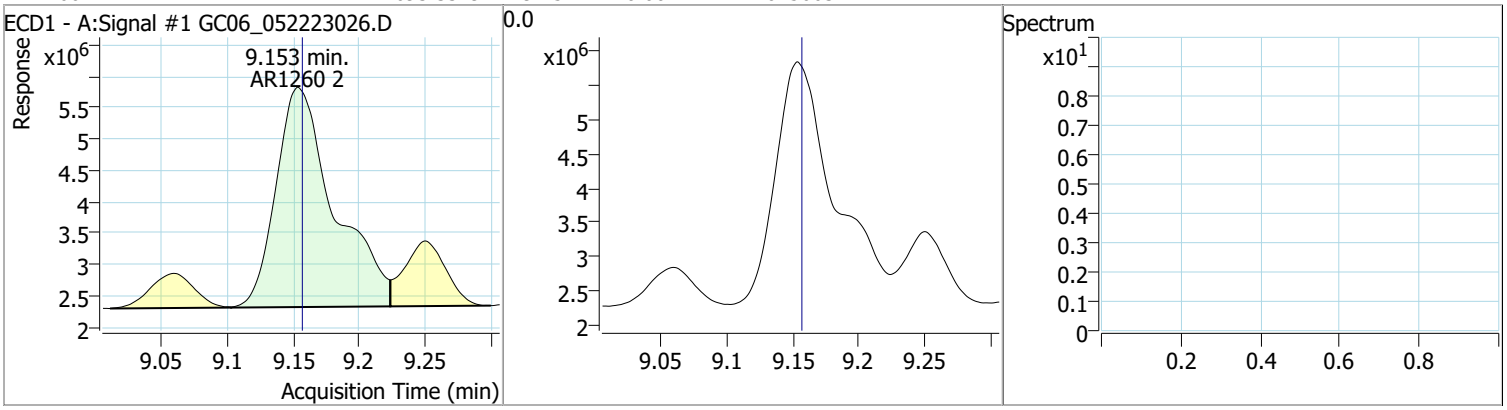
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	695.0674	7.25	0.00	6478289				



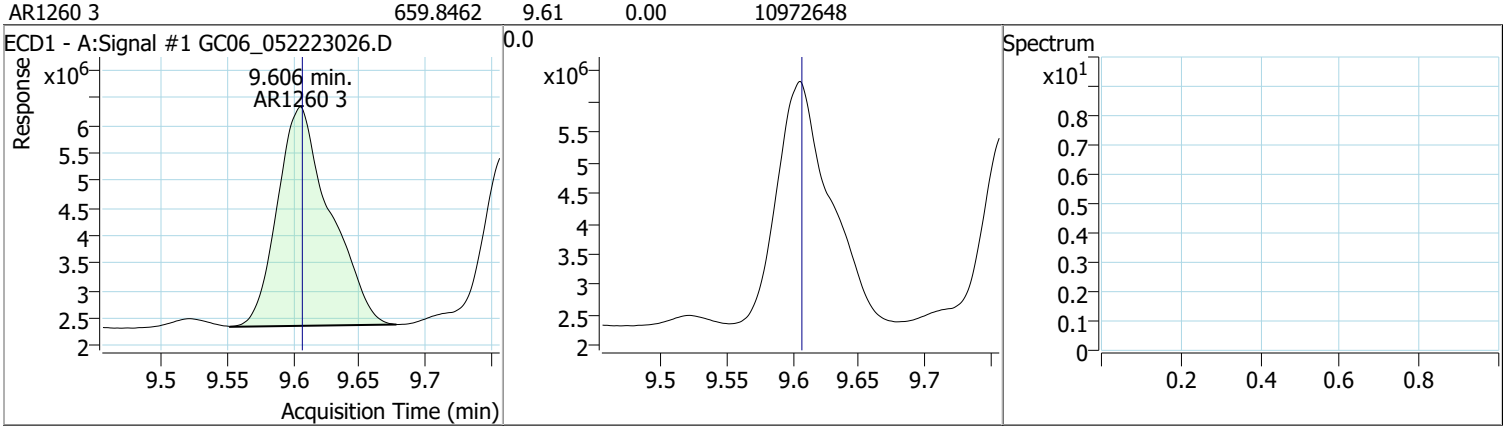
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	685.9857	8.67	0.00	6996528				



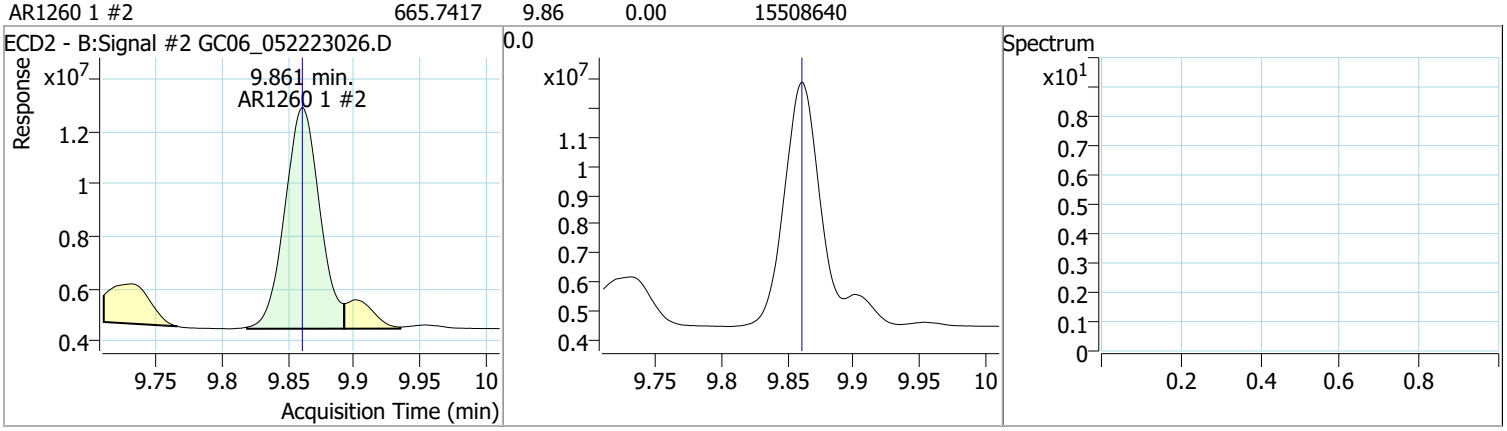
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	693.3379	9.15	0.00	10756631				



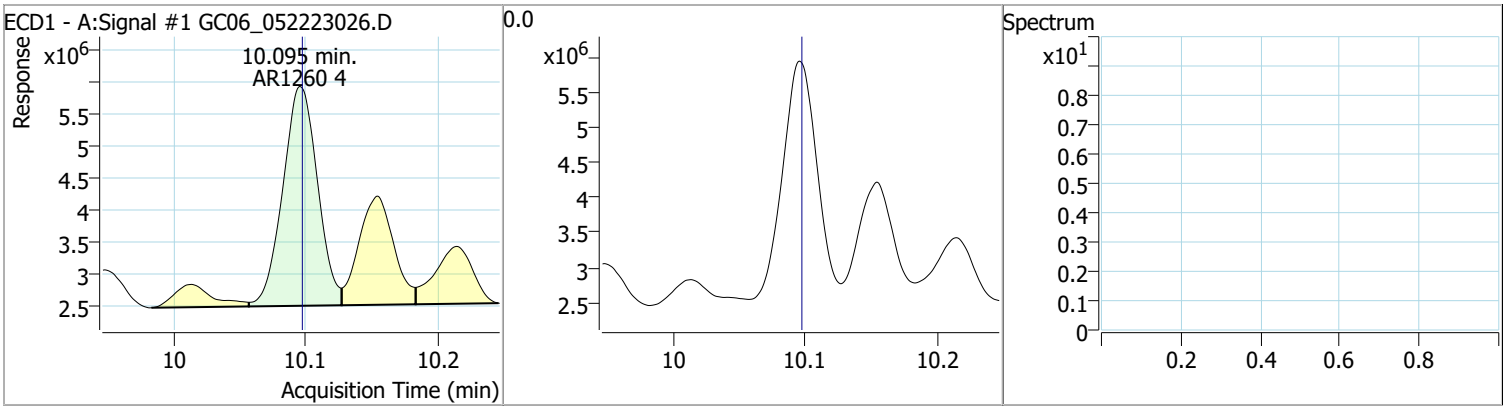
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	659.8462	9.61	0.00	10972648				



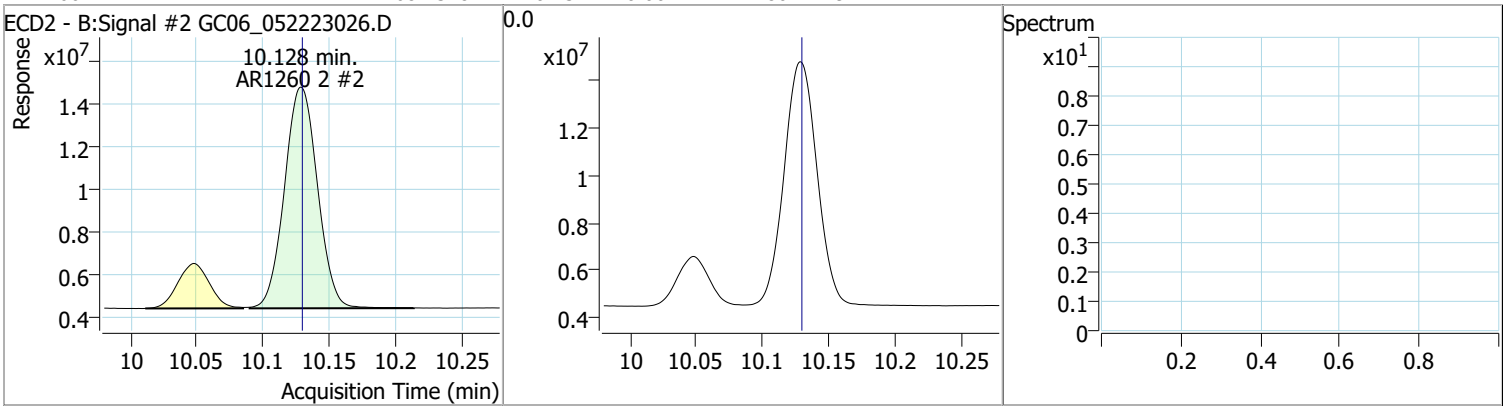
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	665.7417	9.86	0.00	15508640				



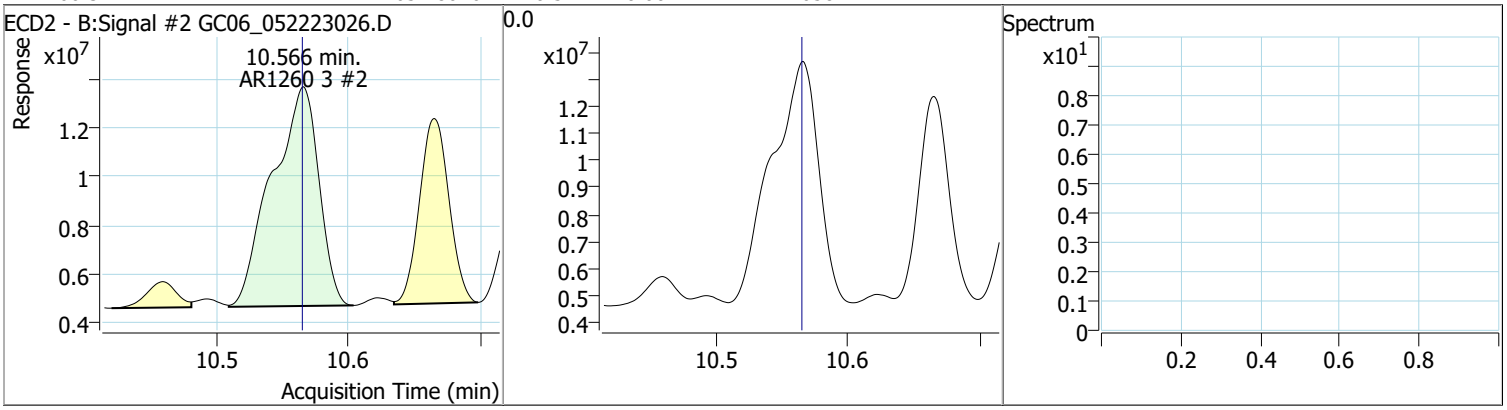
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	691.0209	10.10	0.00	6281516				



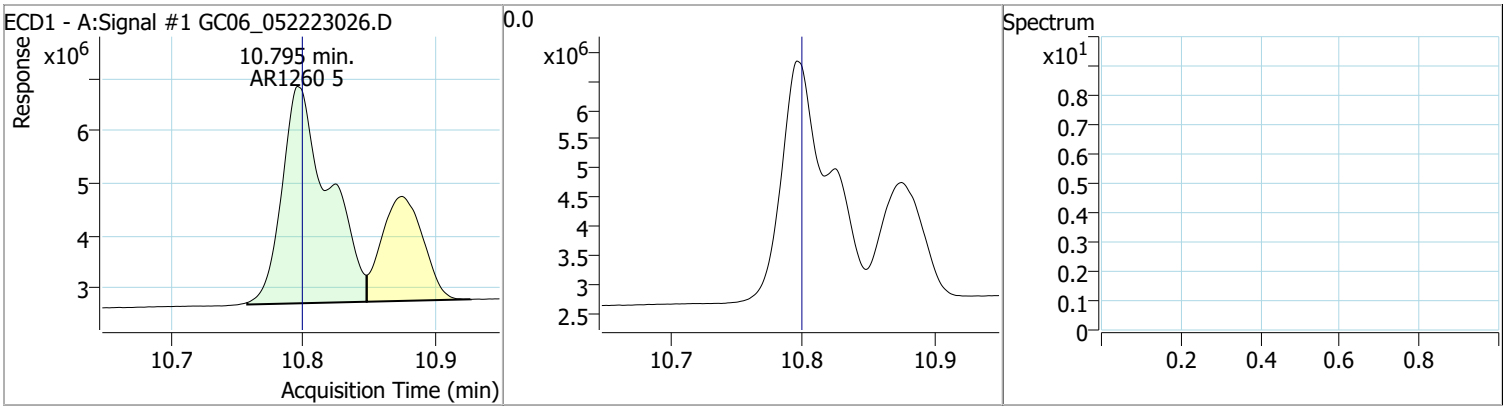
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	684.3284	10.13	0.00	18017719				



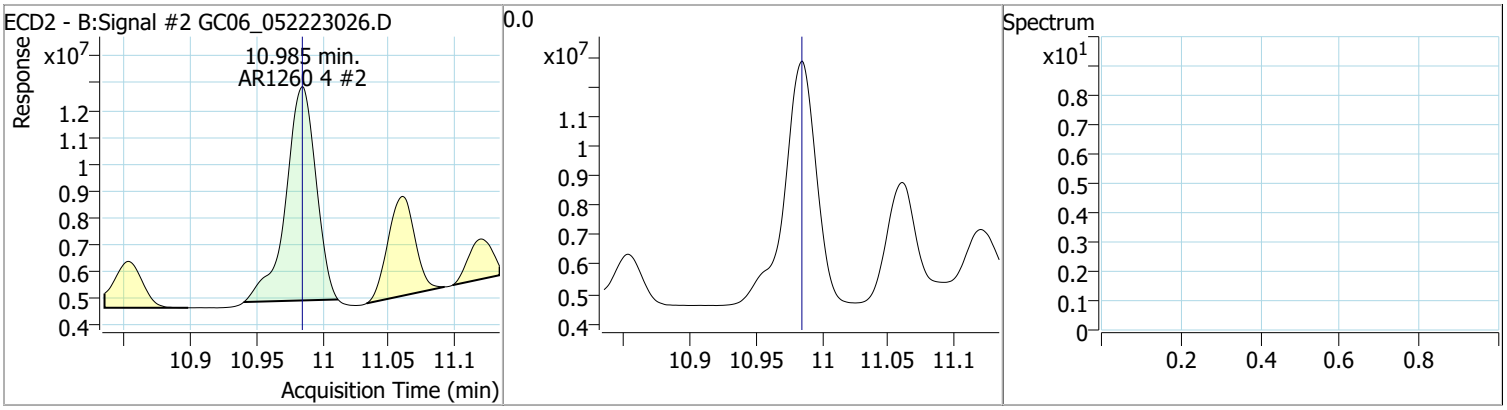
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	654.8076	10.57	0.00	22126582				



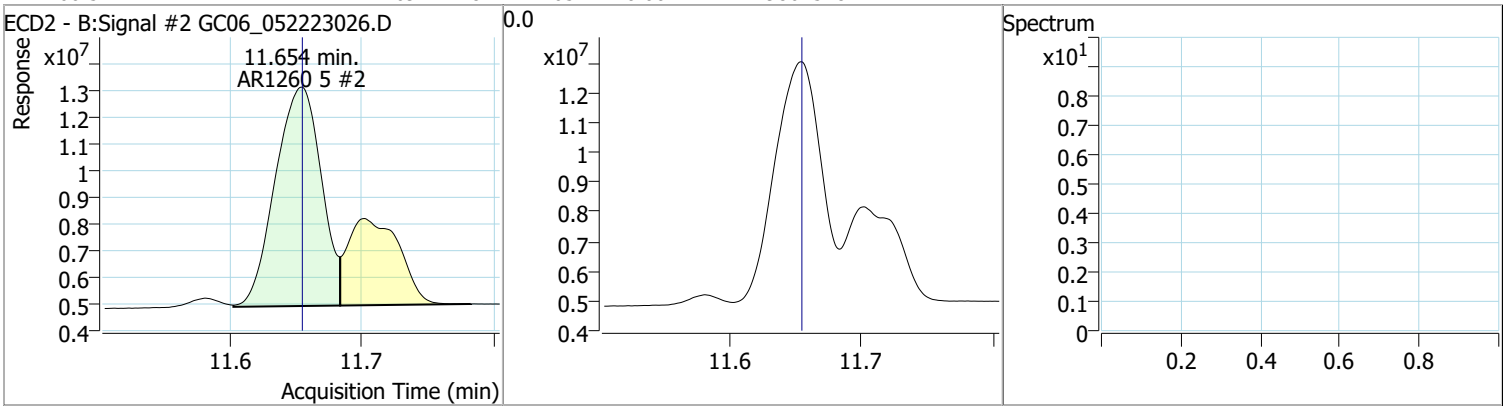
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	687.2461	10.80	0.00	10161736				



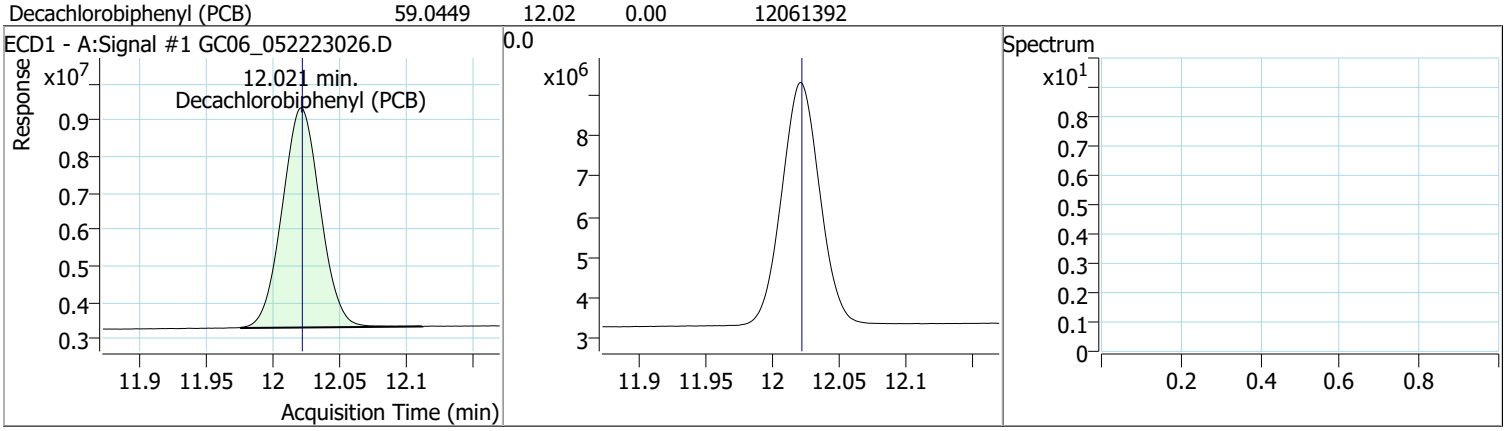
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	643.3815	10.99	0.00	12705739				



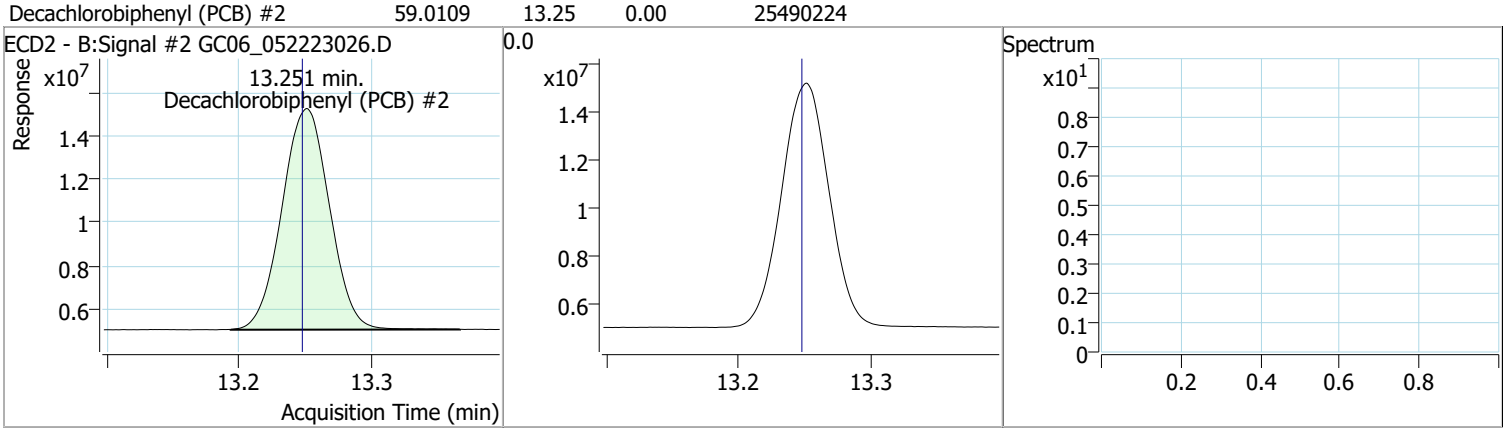
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	692.2228	11.65	0.00	19861518				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	59.0449	12.02	0.00	12061392				

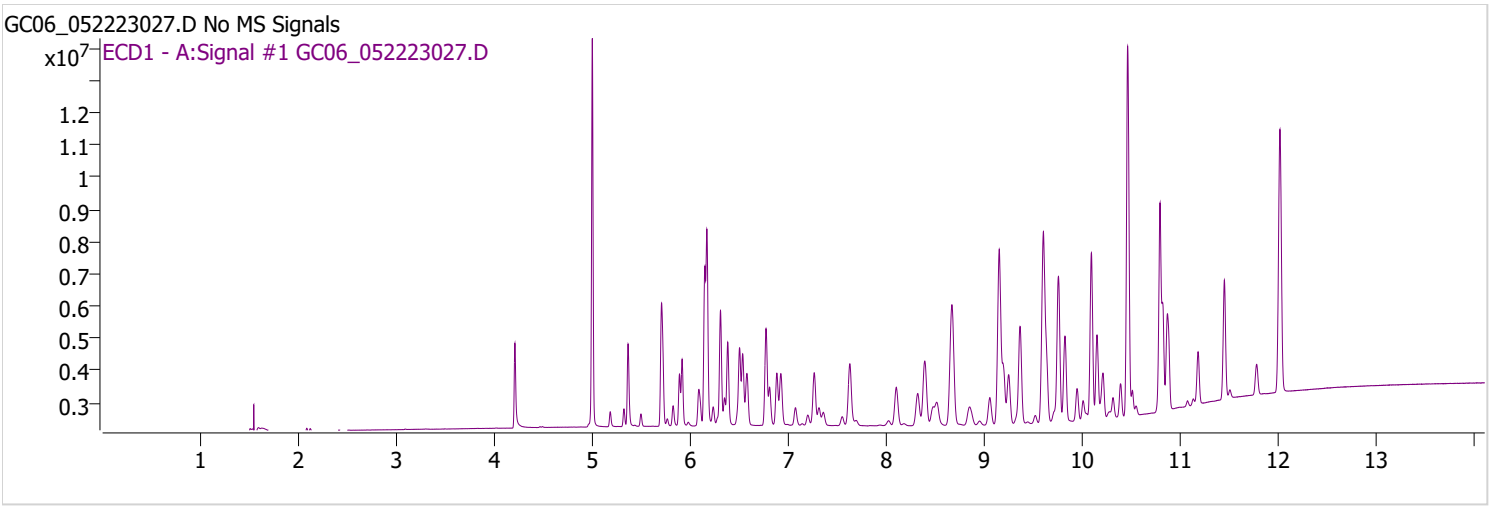


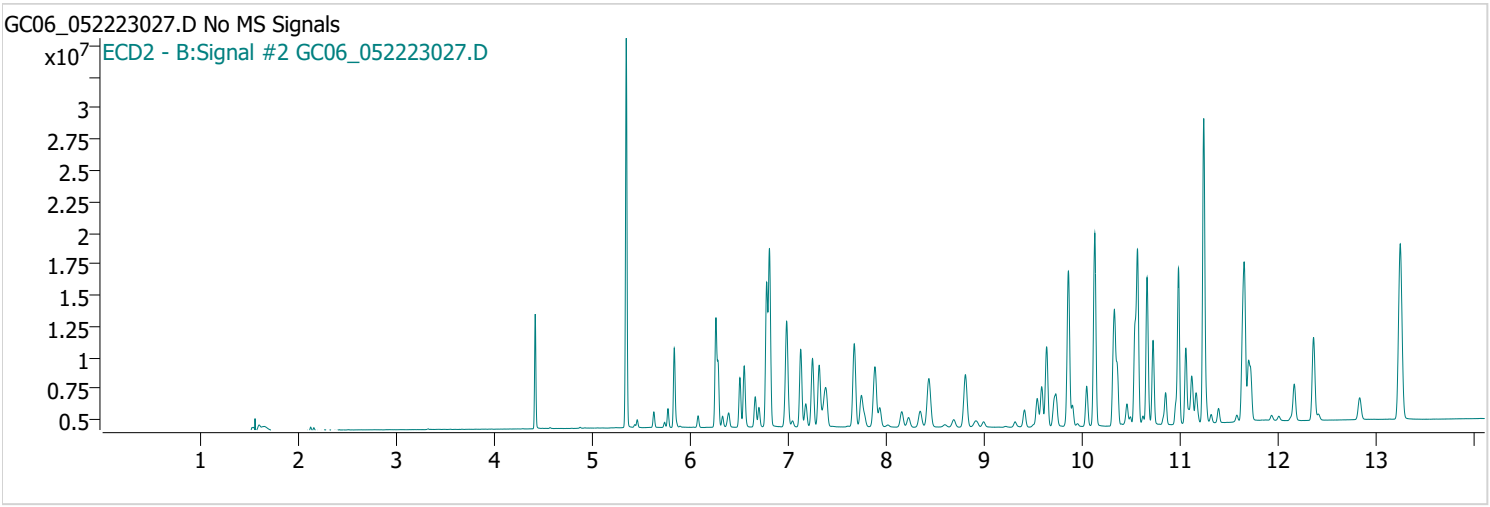
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	59.0109	13.25	0.00	25490224				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223027.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 10:14:39 PM
Sample Name	ICAL, S18186	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



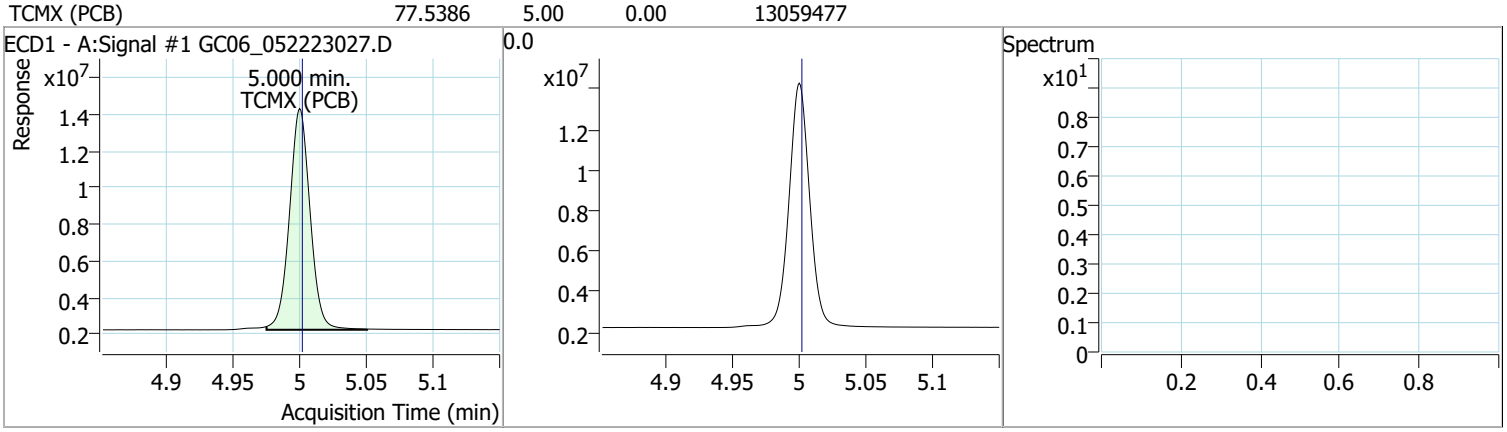


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	3177196.298	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	8538127.861	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.000	0.0	13059477.125	77.5386	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 387.69%		*	
S TCMX (PCB) #2	5.347	0.0	33332428.974	73.8075	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 369.04%		*	
S Decachlorobiphenyl (PCB)	12.020	0.0	16779212.068	79.7922	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 398.96%		*	
S Decachlorobiphenyl (PCB) #2	13.248	0.0	35172468.031	78.4331	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 392.17%		*	
Target Compounds							QValue

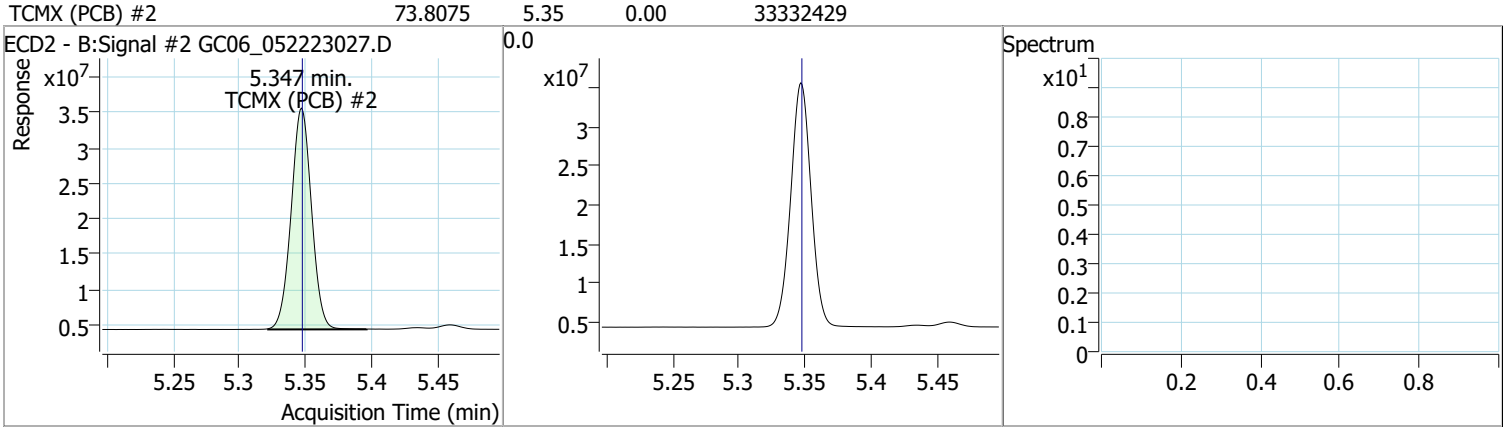
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.365	0.0	3361984.807	956.0366	ng/ml	100
T AR1016 2	5.708	0.0	6790602.223	945.5622	ng/ml	100
T AR1016 1 #2	5.837	0.0	8259478.855	929.7069	ng/ml	100
T AR1016 3	6.169	0.0	8710064.418	950.8795	ng/ml	100
T AR1016 2 #2	6.263	0.0	17900117.186	897.6324	ng/ml	100
T AR1016 4	6.308	0.0	5417216.933	960.3118	ng/ml	100
T AR1016 5	6.503	0.0	4143015.708	989.5378	ng/ml	100
T AR1016 3 #2	6.808	0.0	23127122.509	964.8622	ng/ml	100
T AR1016 4 #2	6.984	0.0	16385197.404	948.0764	ng/ml	100
T AR1016 5 #2	7.248	0.0	9404709.325	971.9633	ng/ml	100
T AR1260 1	8.671	0.0	10615234.602	1011.0338	ng/ml	100
T AR1260 2	9.154	0.0	16051273.016	1005.0363	ng/ml	100
T AR1260 3	9.605	0.0	16576838.173	968.3593	ng/ml	100
T AR1260 1 #2	9.860	0.0	23063729.404	953.6728	ng/ml	100
T AR1260 4	10.095	0.0	9476714.032	1012.7169	ng/ml	100
T AR1260 2 #2	10.130	0.0	27033246.667	989.0102	ng/ml	100
T AR1260 3 #2	10.565	0.0	33404051.423	952.2179	ng/ml	100
T AR1260 5	10.796	0.0	15484088.277	1017.2638	ng/ml	100
T AR1260 4 #2	10.984	0.0	20107387.635	980.7585	ng/ml	100
T AR1260 5 #2	11.654	0.0	30218538.025	1014.4829	ng/ml	100

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

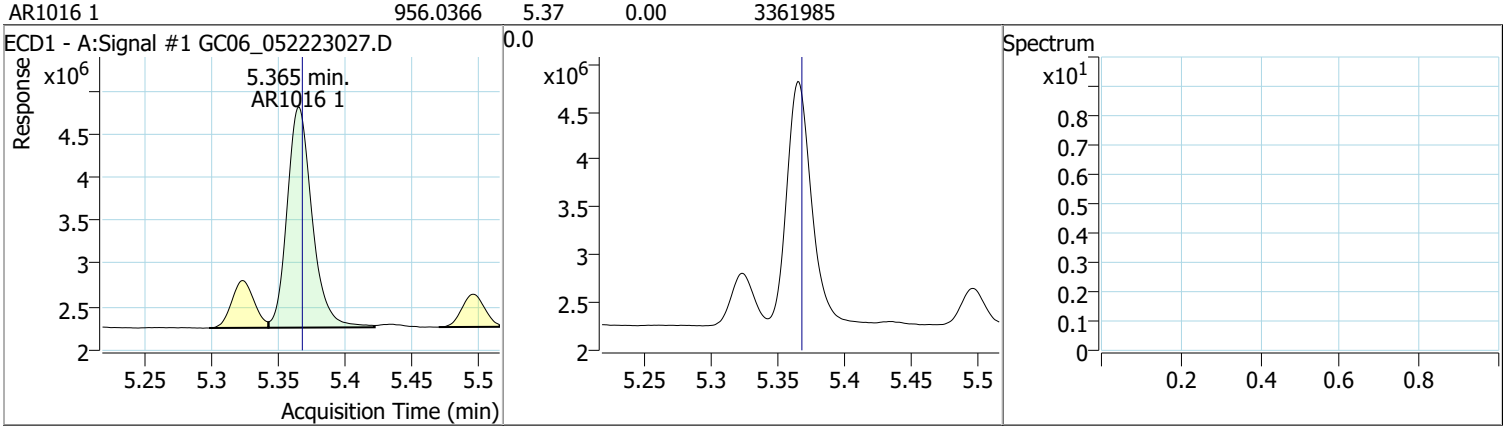
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	77.5386	5.00	0.00	13059477				



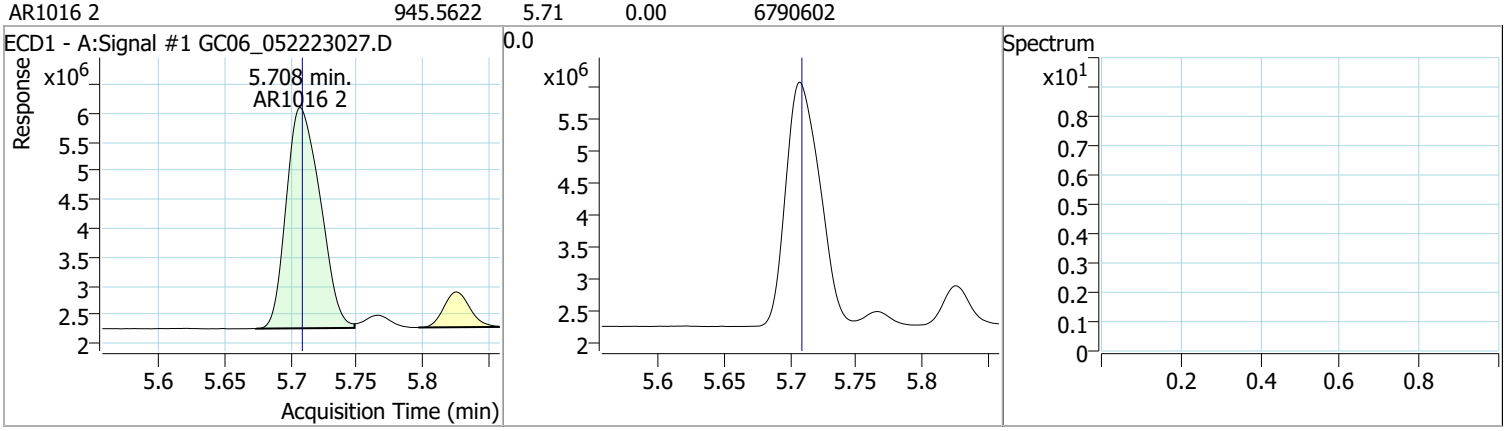
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	73.8075	5.35	0.00	33332429				



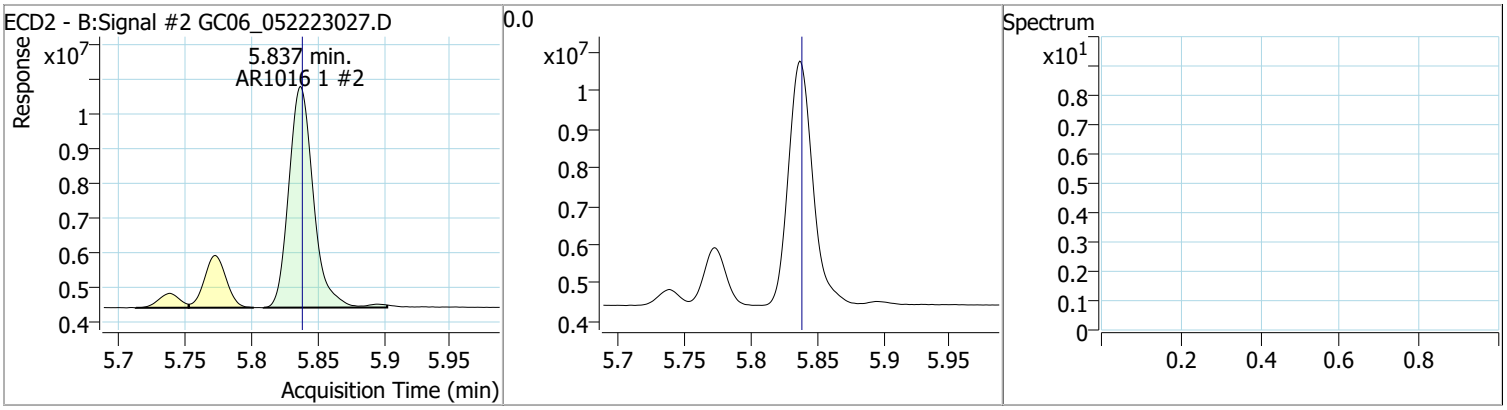
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	956.0366	5.37	0.00	3361985				



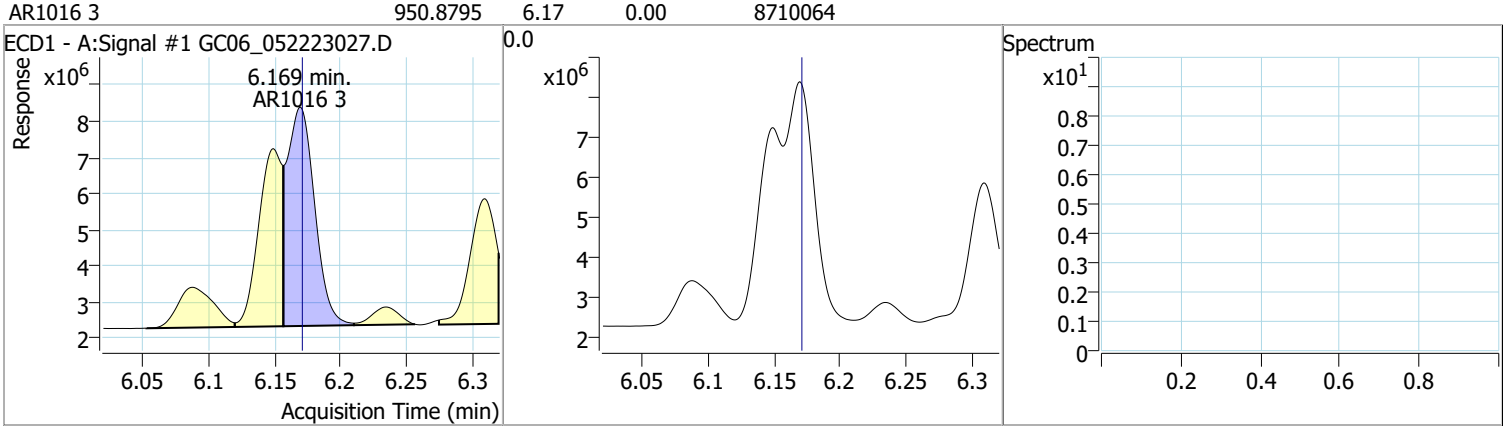
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	945.5622	5.71	0.00	6790602				



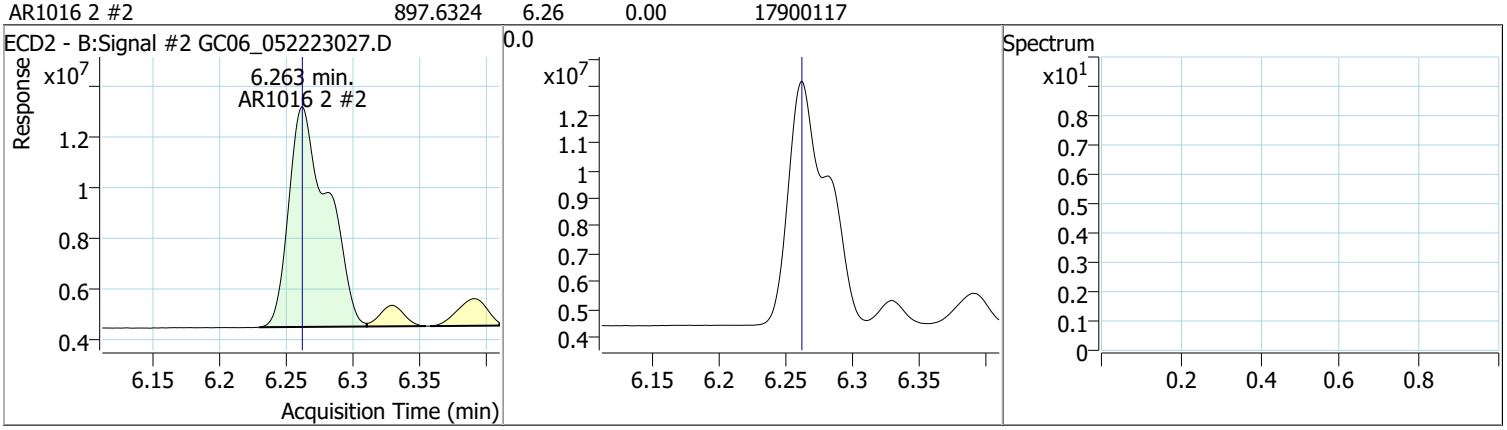
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	929.7069	5.84	0.00	8259479				



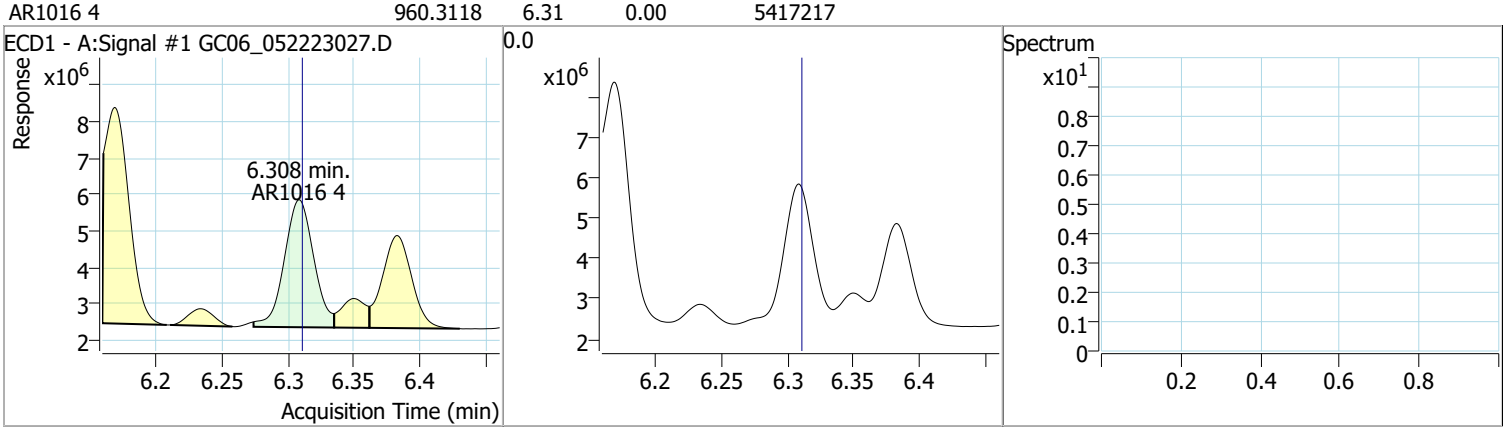
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	950.8795	6.17	0.00	8710064				



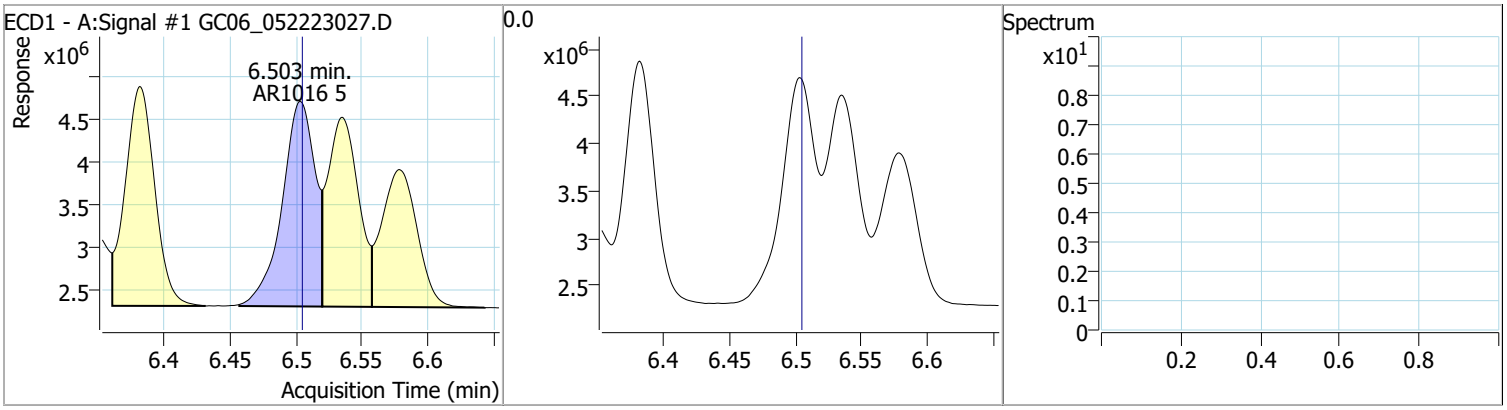
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	897.6324	6.26	0.00	17900117				



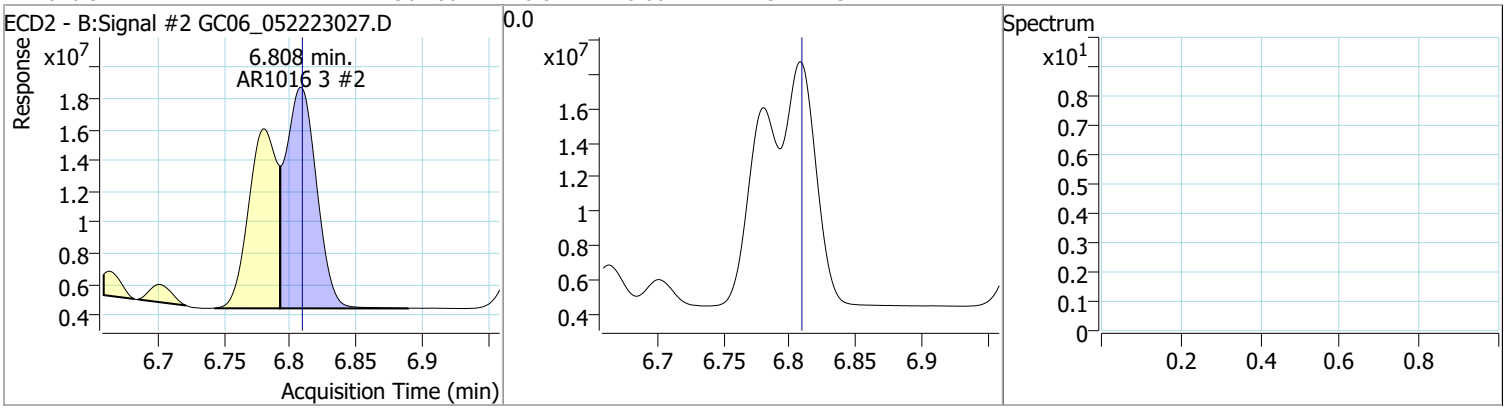
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	960.3118	6.31	0.00	5417217				



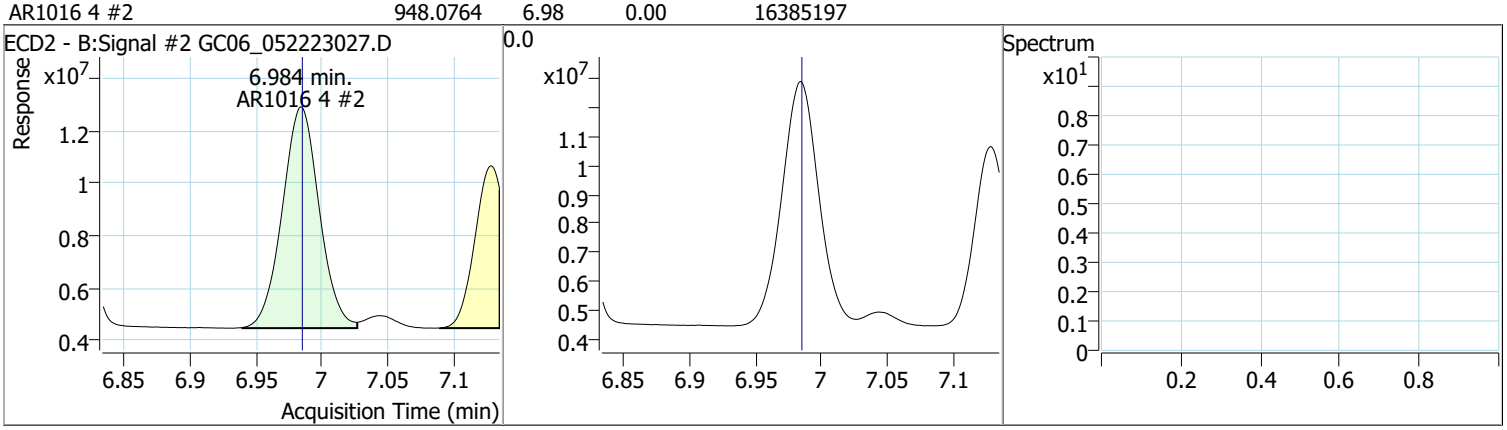
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	989.5378	6.50	0.00	4143016				



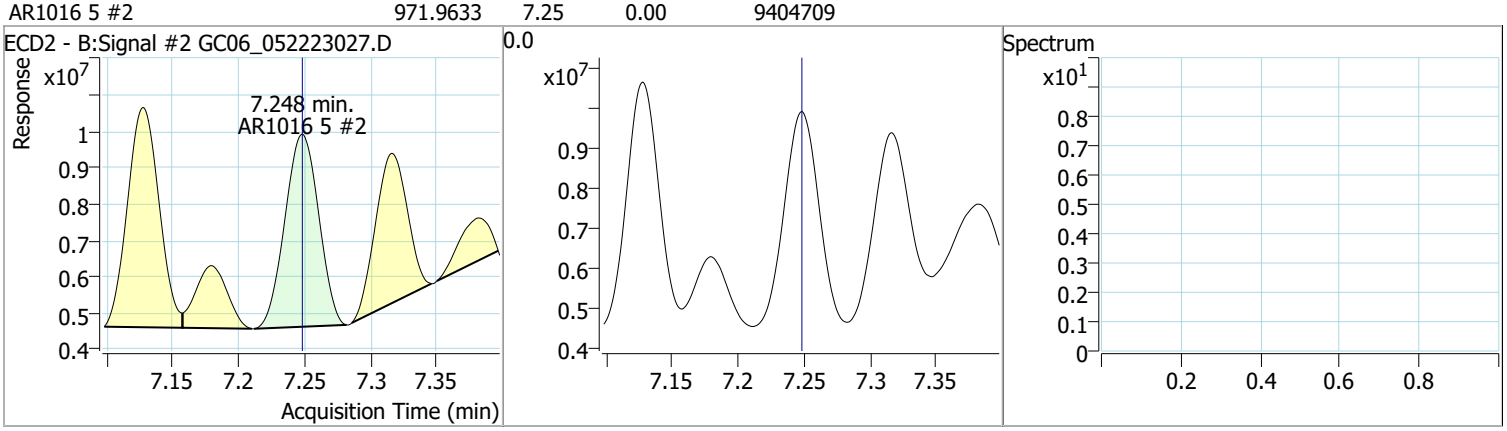
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	964.8622	6.81	0.00	23127123				



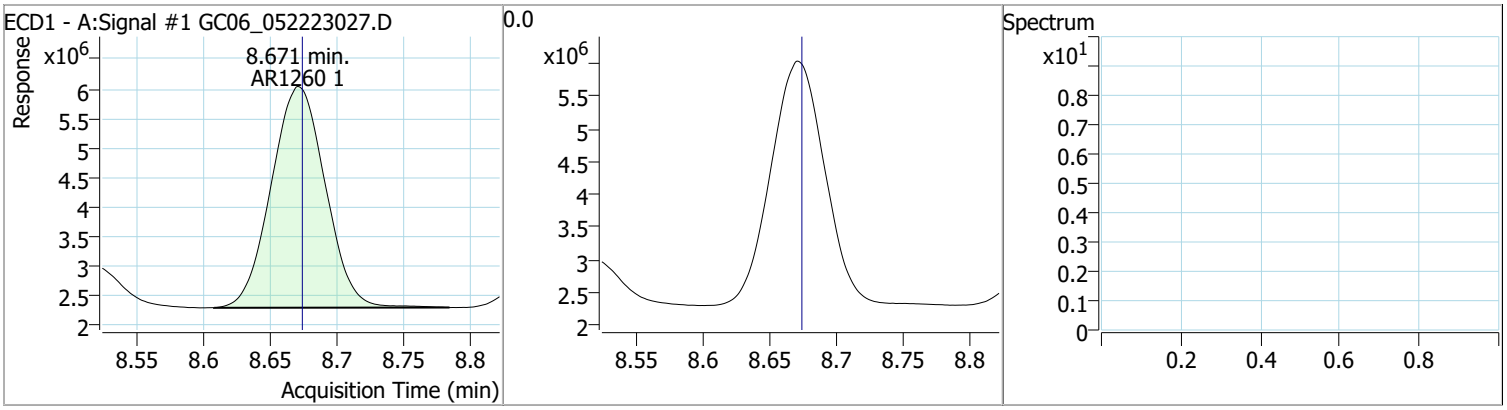
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	948.0764	6.98	0.00	16385197				



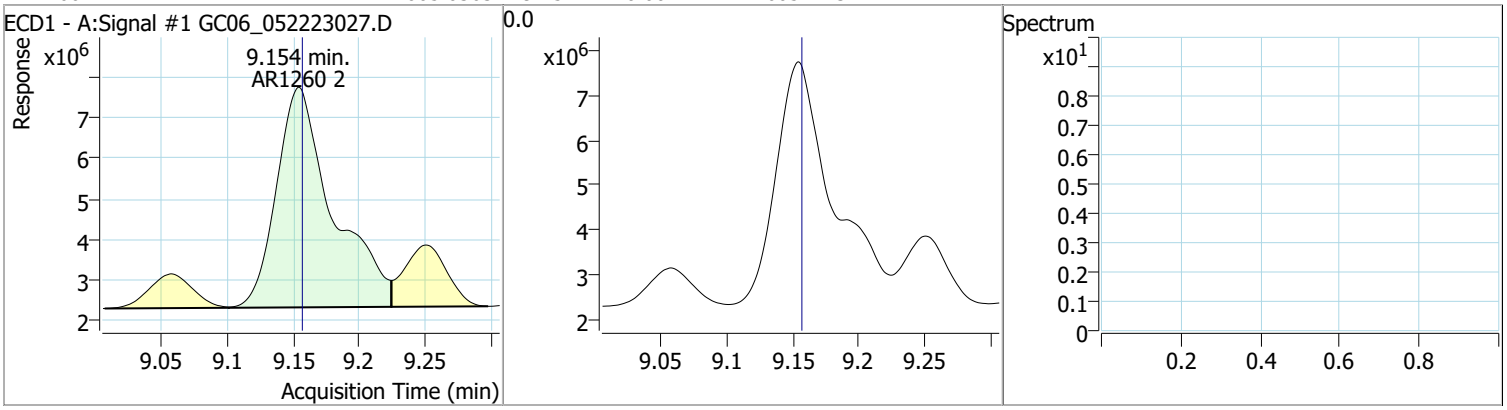
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	971.9633	7.25	0.00	9404709				



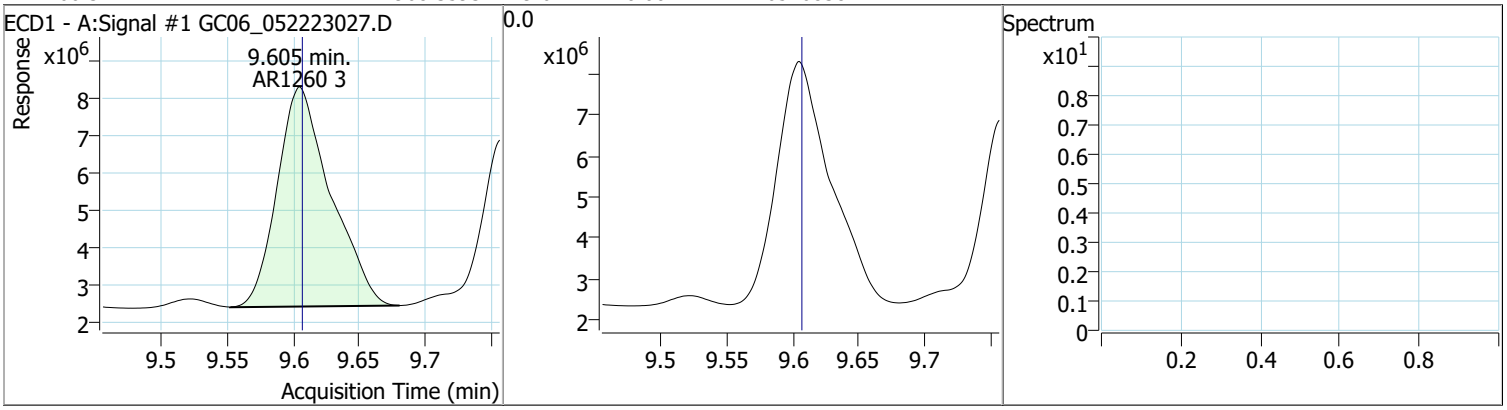
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1011.0338	8.67	0.00	10615235				



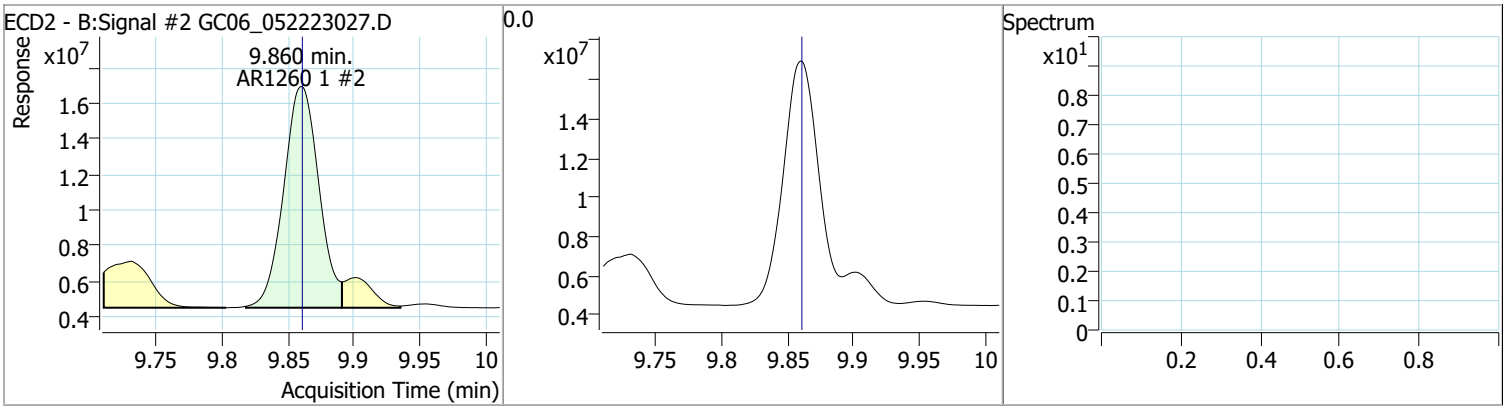
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1005.0363	9.15	0.00	16051273				



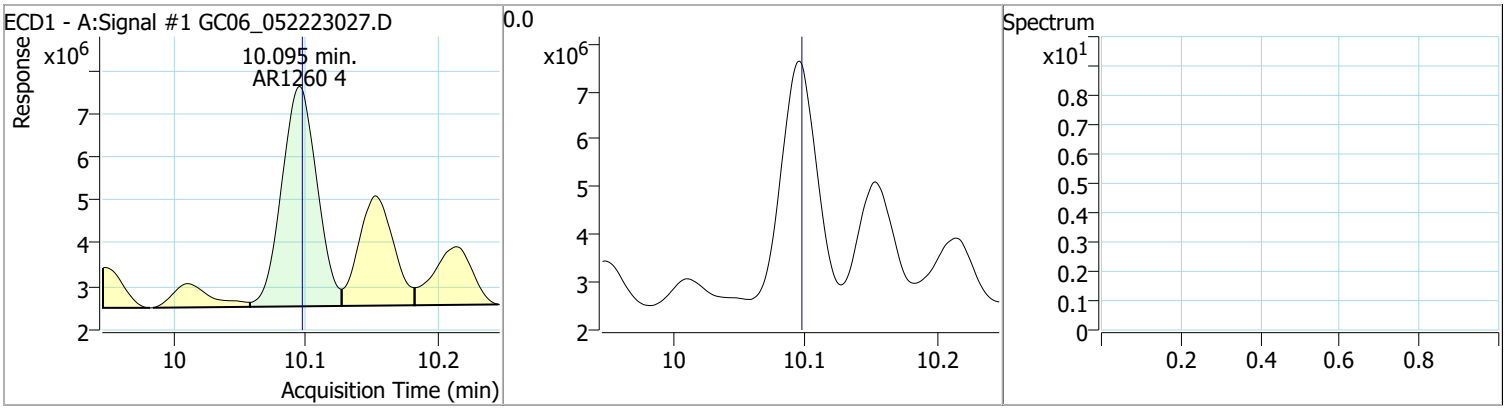
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	968.3593	9.61	0.00	16576838				



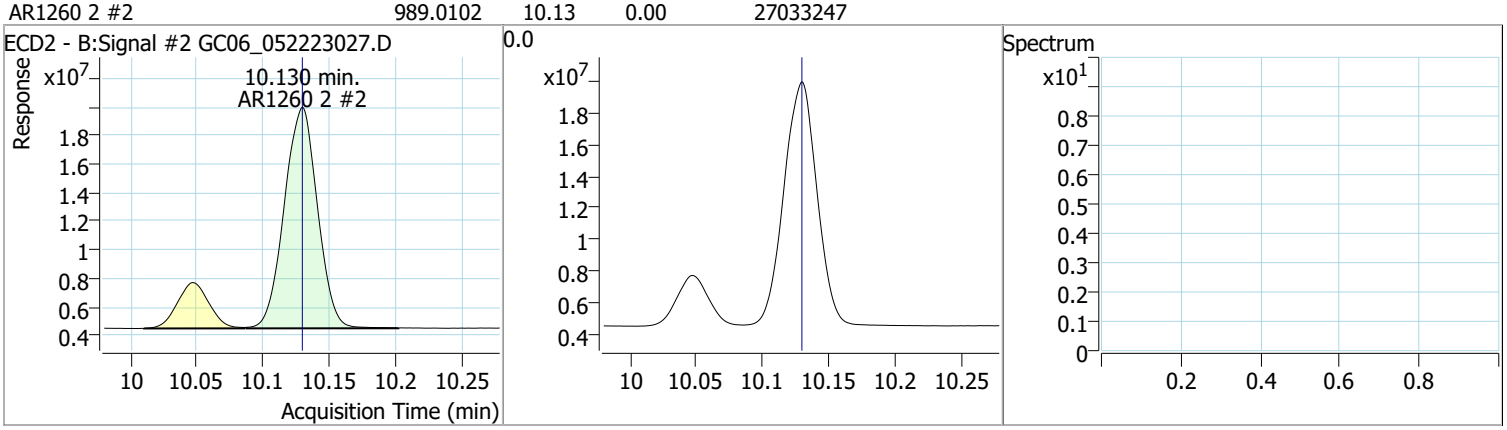
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	953.6728	9.86	0.00	23063729				



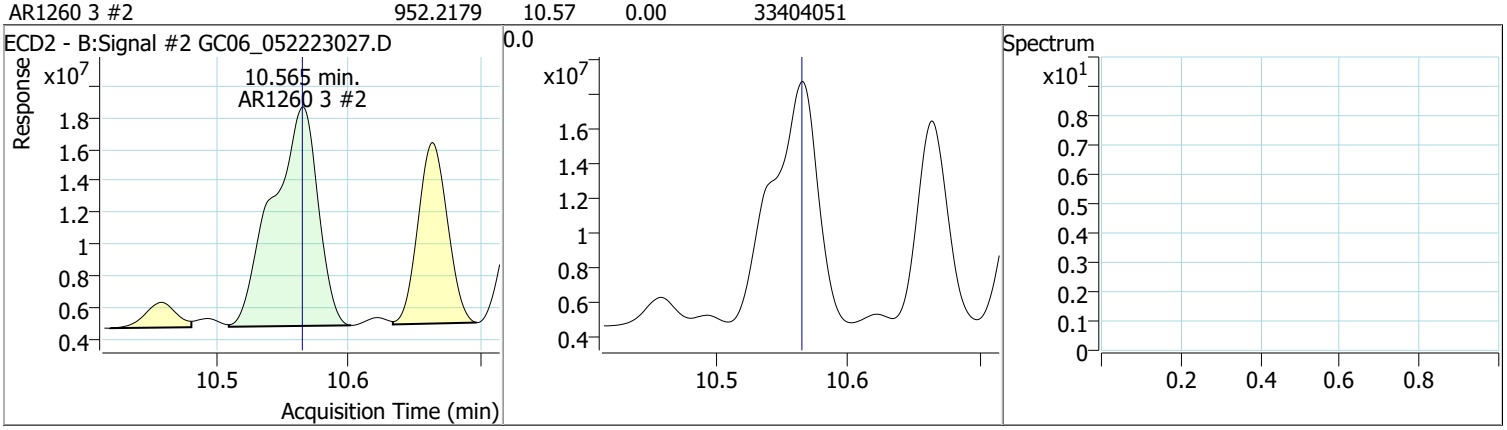
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1012.7169	10.10	0.00	9476714				



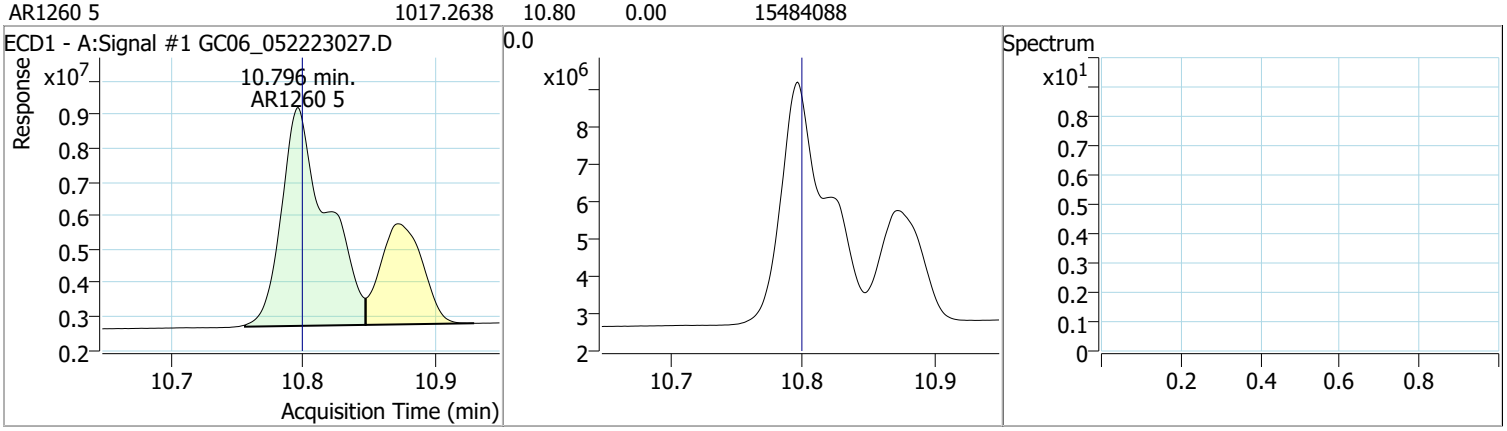
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	989.0102	10.13	0.00	27033247				



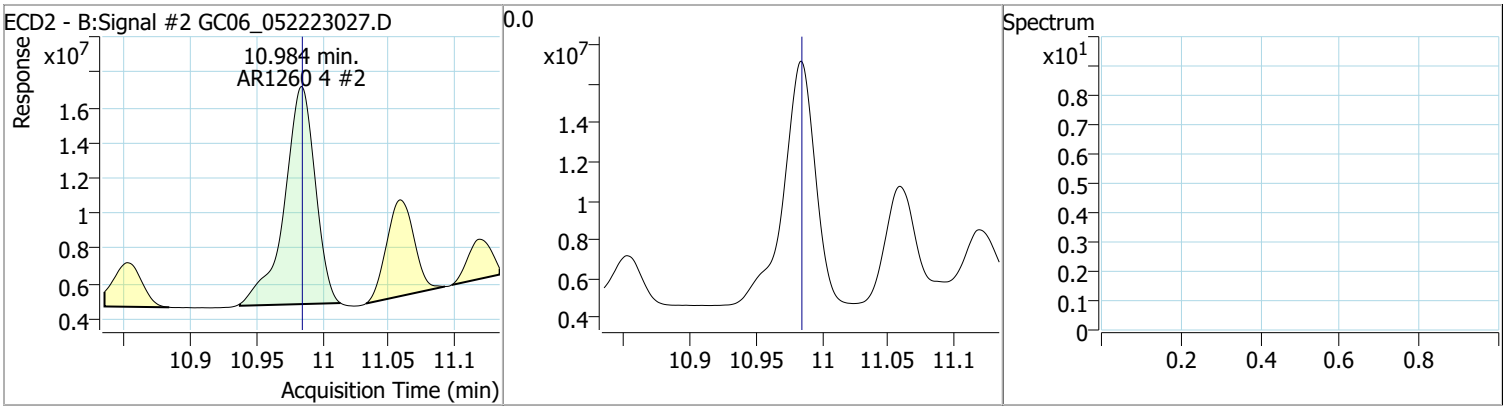
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	952.2179	10.57	0.00	33404051				



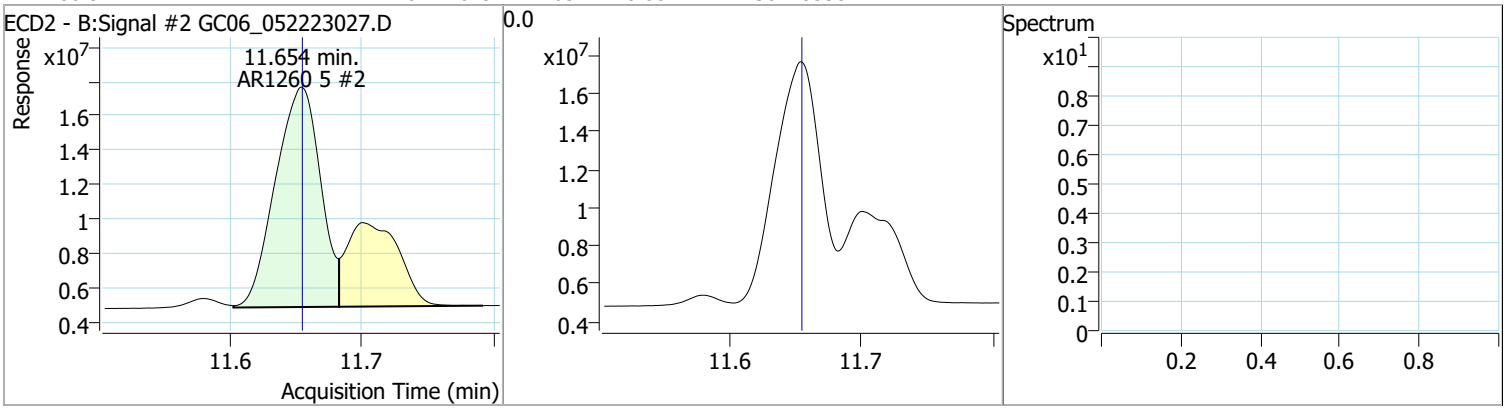
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1017.2638	10.80	0.00	15484088				



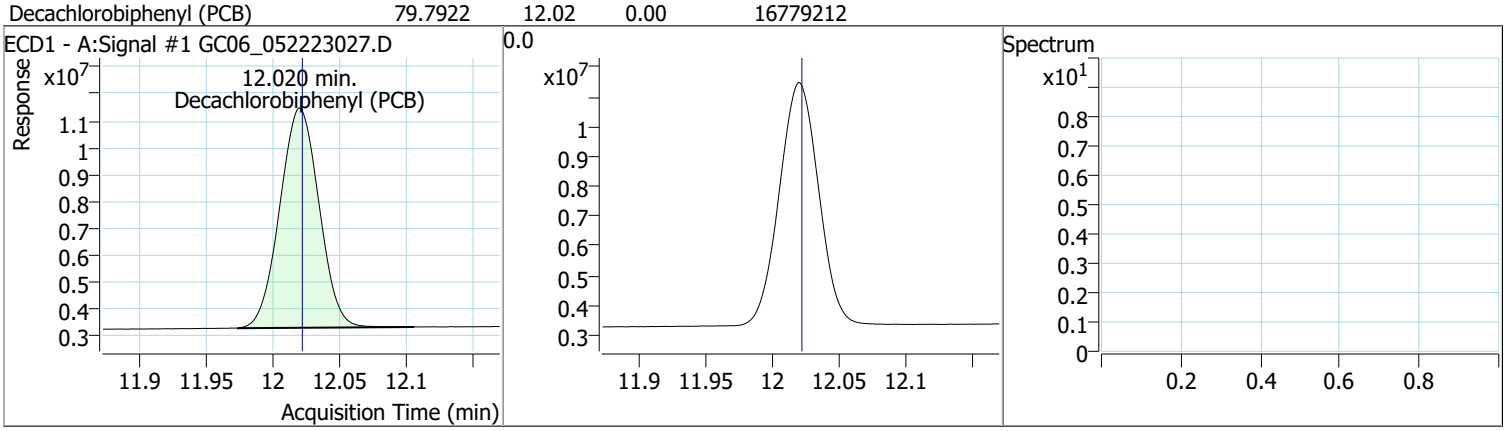
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	980.7585	10.98	0.00	20107388				



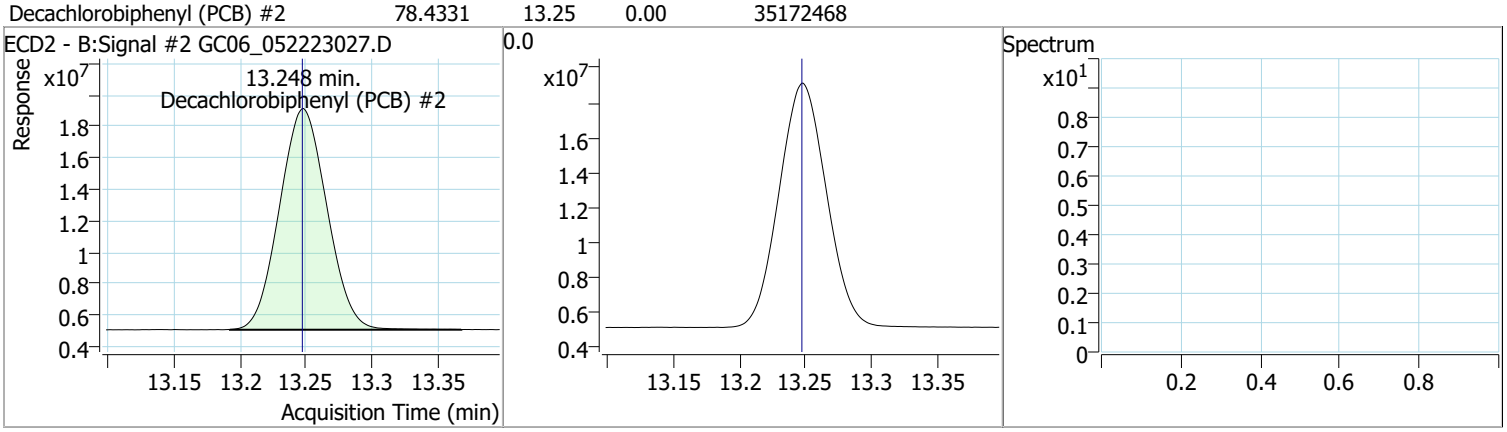
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1014.4829	11.65	0.00	30218538				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	79.7922	12.02	0.00	16779212				

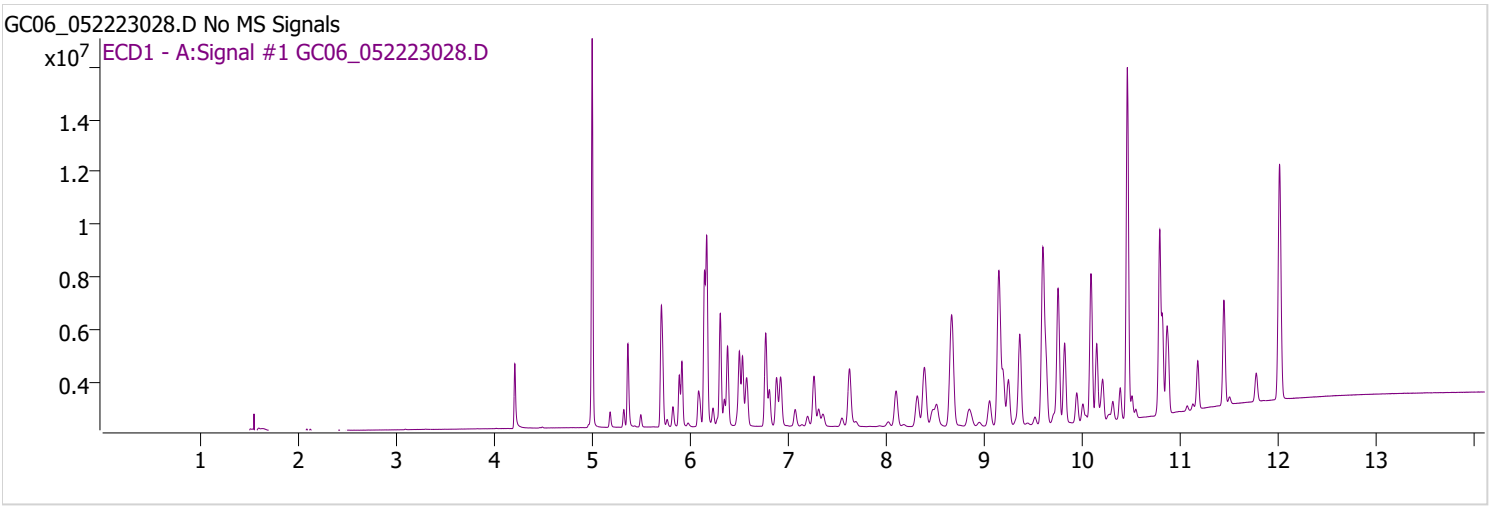


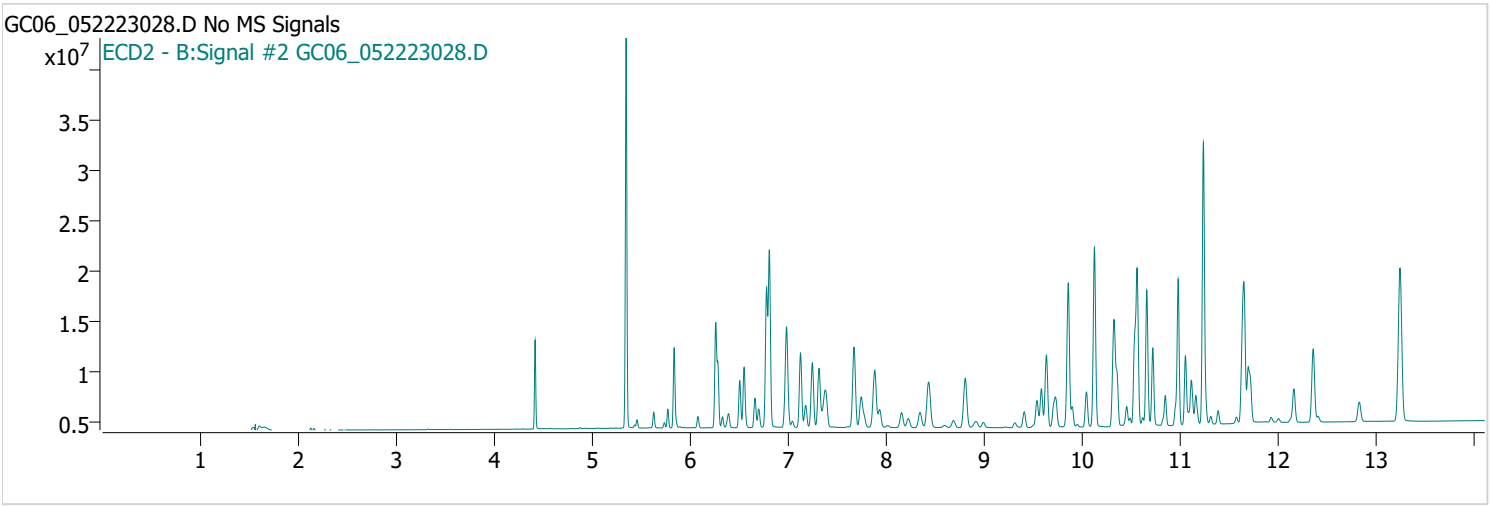
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	78.4331	13.25	0.00	35172468				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223028.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 10:33:00 PM
Sample Name	ICAL, S18187	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



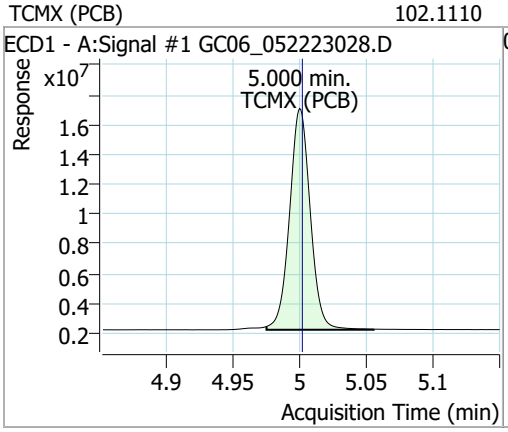


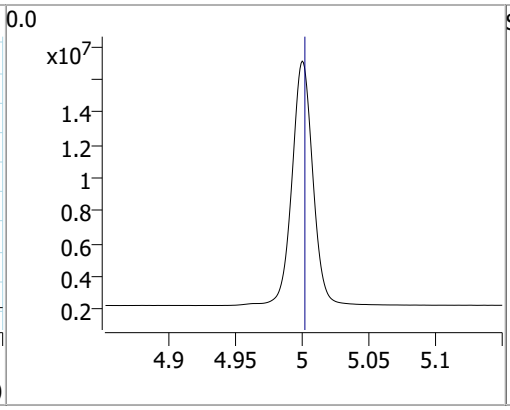
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	2986690.936	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	8039960.266	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.000	0.0	16166895.793	102.1110	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 510.55%		*	
S TCMX (PCB) #2	5.347	0.0	41424203.830	97.4085	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 487.04%		*	
S Decachlorobiphenyl (PCB)	12.020	0.0	18098777.057	91.5570	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 457.79%		*	
S Decachlorobiphenyl (PCB) #2	13.249	0.0	38113069.626	90.2567	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 451.28%		*	
Target Compounds							QValue

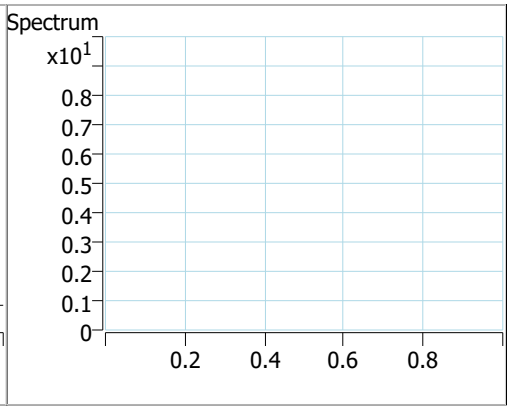
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.365	0.0	4130951.453	1249.6334	ng/ml		100
T AR1016 2	5.708	0.0	8196556.920	1214.1351	ng/ml		100
T AR1016 1 #2	5.838	0.0	10197357.291	1218.9610	ng/ml		100
T AR1016 3	6.169	0.0	10657766.941	1237.7248	ng/ml	m	100
T AR1016 2 #2	6.262	0.0	21759547.417	1158.7807	ng/ml		100
T AR1016 4	6.308	0.0	6487825.573	1223.4577	ng/ml		100
T AR1016 5	6.503	0.0	4831227.273	1227.5157	ng/ml		100
T AR1016 3 #2	6.809	0.0	27859080.853	1234.2958	ng/ml		100
T AR1016 4 #2	6.984	0.0	19768821.415	1214.7340	ng/ml		100
T AR1016 5 #2	7.248	0.0	11131193.099	1221.6729	ng/ml		100
T AR1260 1	8.671	0.0	11760437.435	1191.5529	ng/ml		100
T AR1260 2	9.153	0.0	18103976.257	1205.8687	ng/ml		100
T AR1260 3	9.603	0.0	18677708.201	1160.6792	ng/ml		100
T AR1260 1 #2	9.862	0.0	26304987.981	1155.0923	ng/ml		100
T AR1260 4	10.093	0.0	10651294.214	1210.8391	ng/ml		100
T AR1260 2 #2	10.129	0.0	30540147.120	1186.5401	ng/ml		100
T AR1260 3 #2	10.564	0.0	38103713.481	1153.4885	ng/ml		100
T AR1260 5	10.797	0.0	17360314.058	1213.2751	ng/ml		100
T AR1260 4 #2	10.984	0.0	22794319.978	1180.7062	ng/ml		100
T AR1260 5 #2	11.654	0.0	33785997.393	1204.5277	ng/ml		100

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

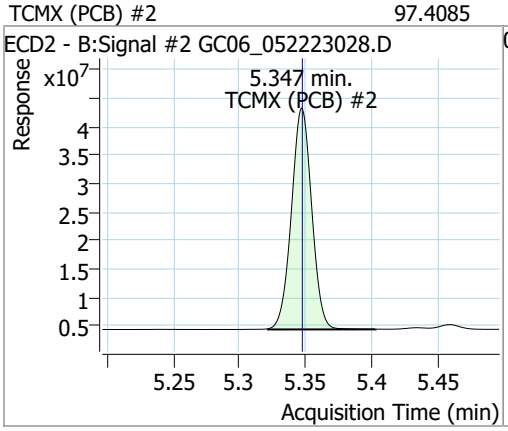
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	102.1110	5.00	0.00	16166896				

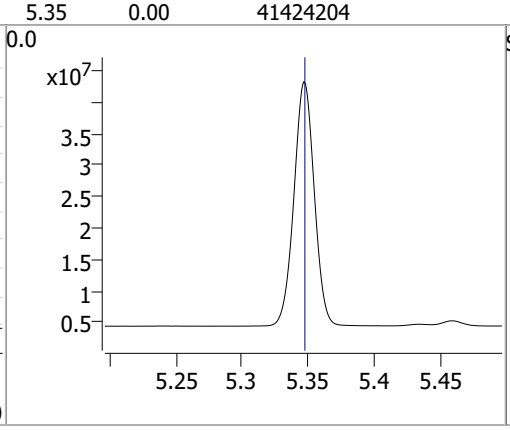


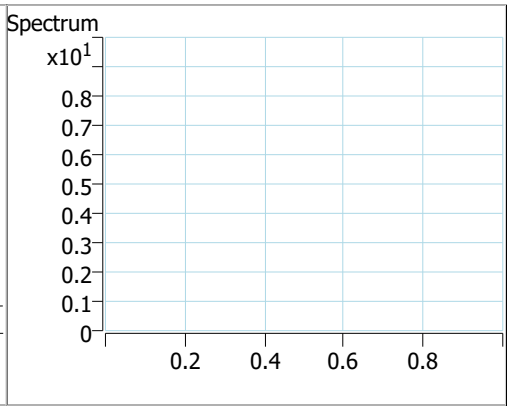




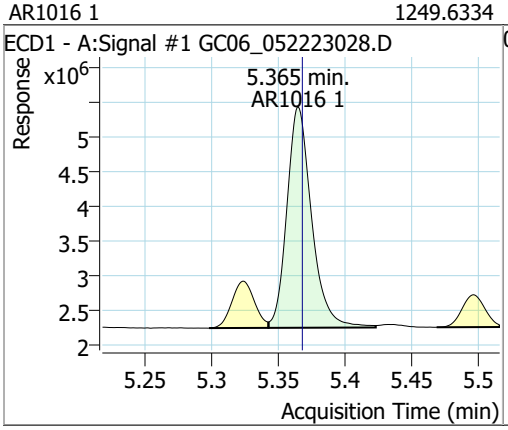
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	97.4085	5.35	0.00	41424204				

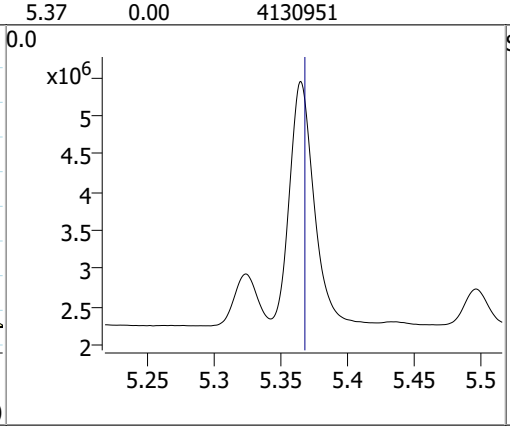


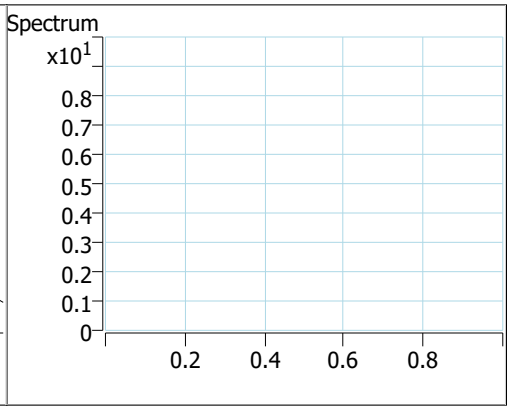




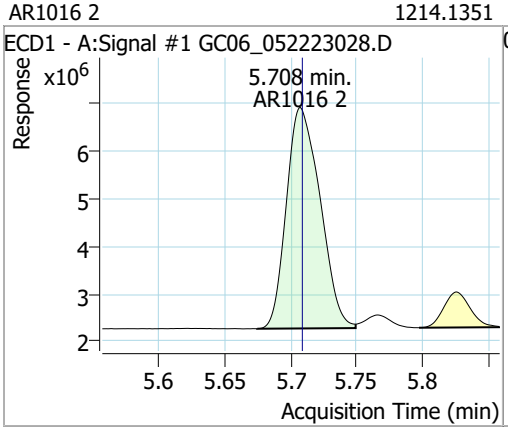
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1249.6334	5.37	0.00	4130951				

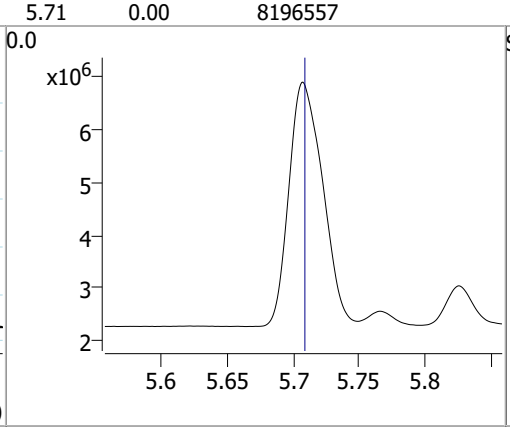


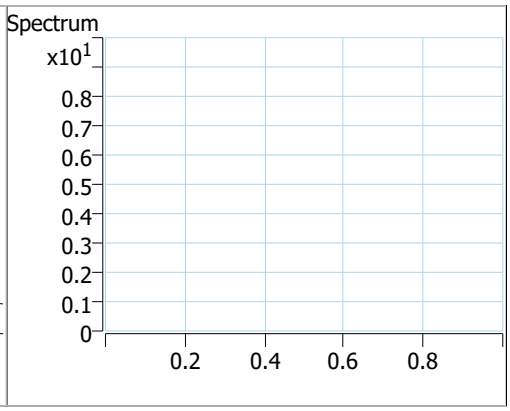




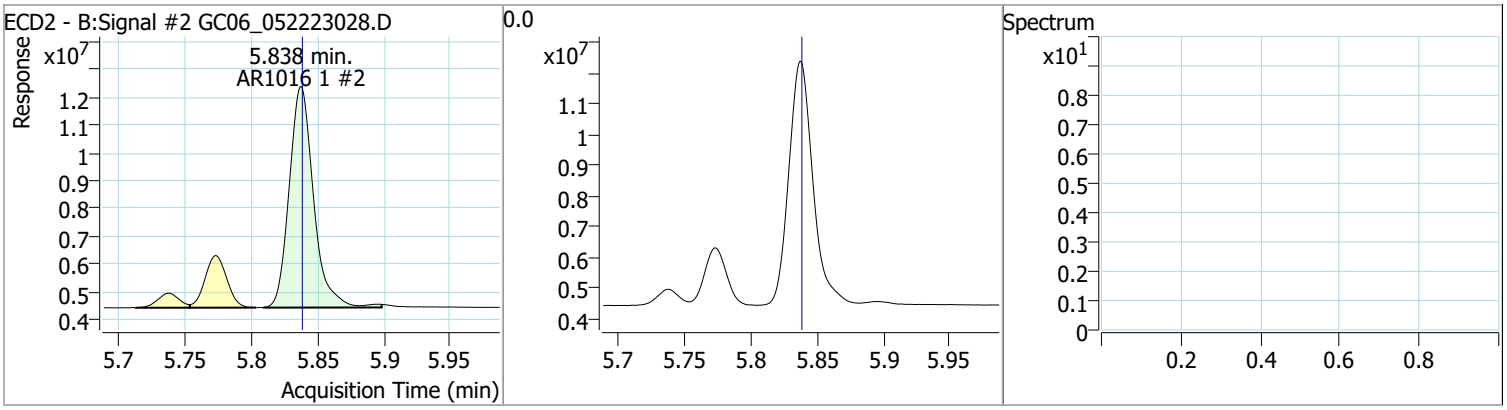
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1214.1351	5.71	0.00	8196557				



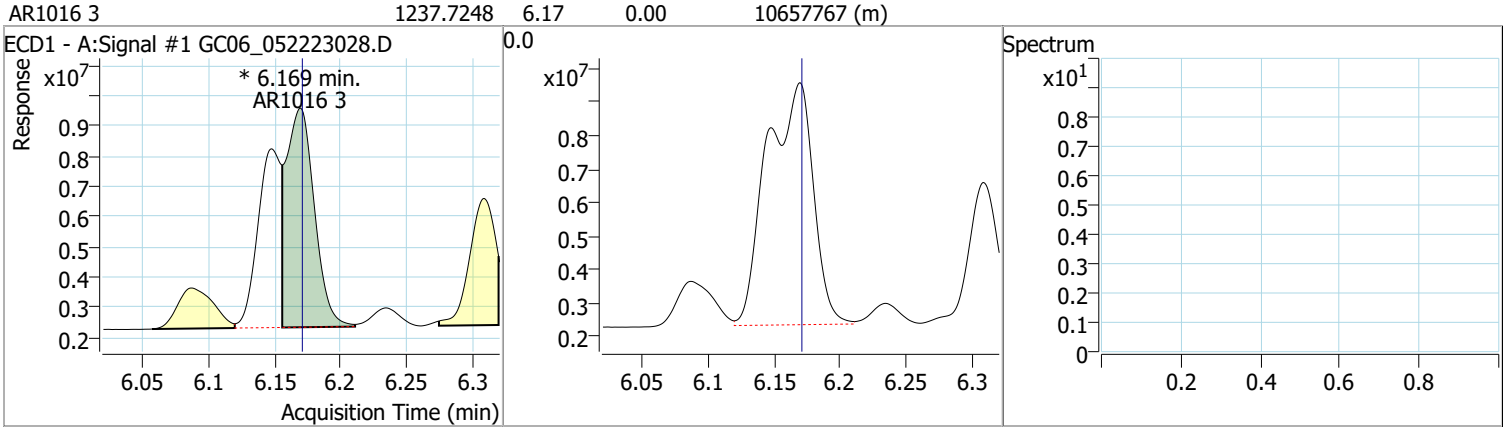




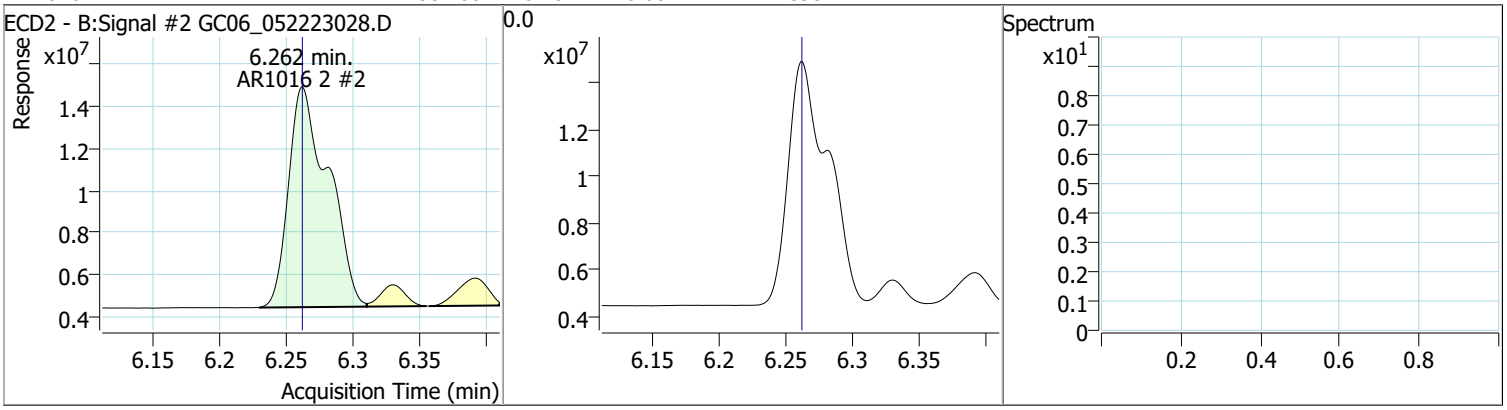
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AR1016 1 #2	1218.9610	5.84	0.00	10197357				



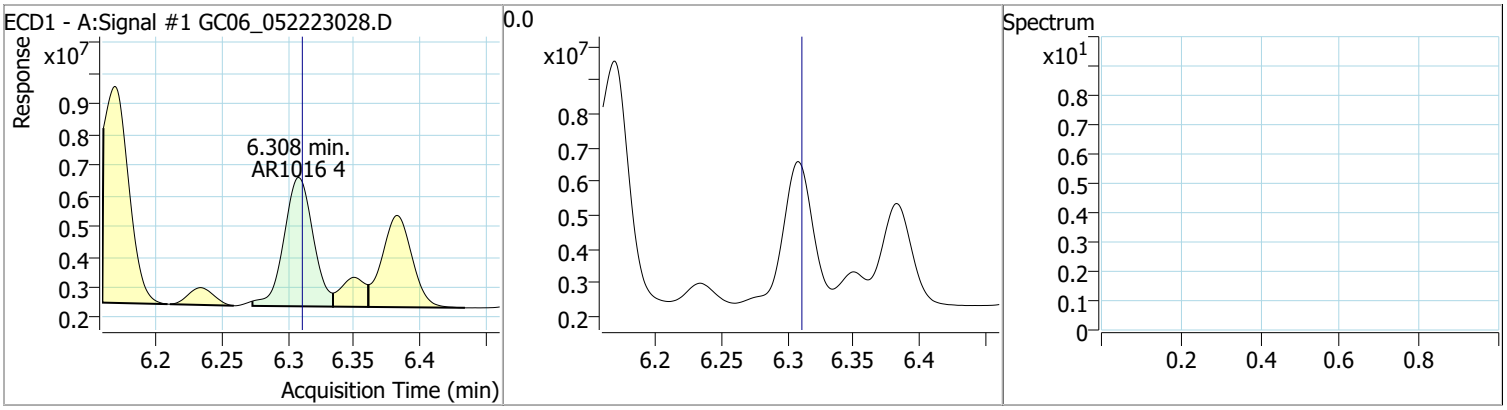
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1237.7248	6.17	0.00	10657767 (m)				



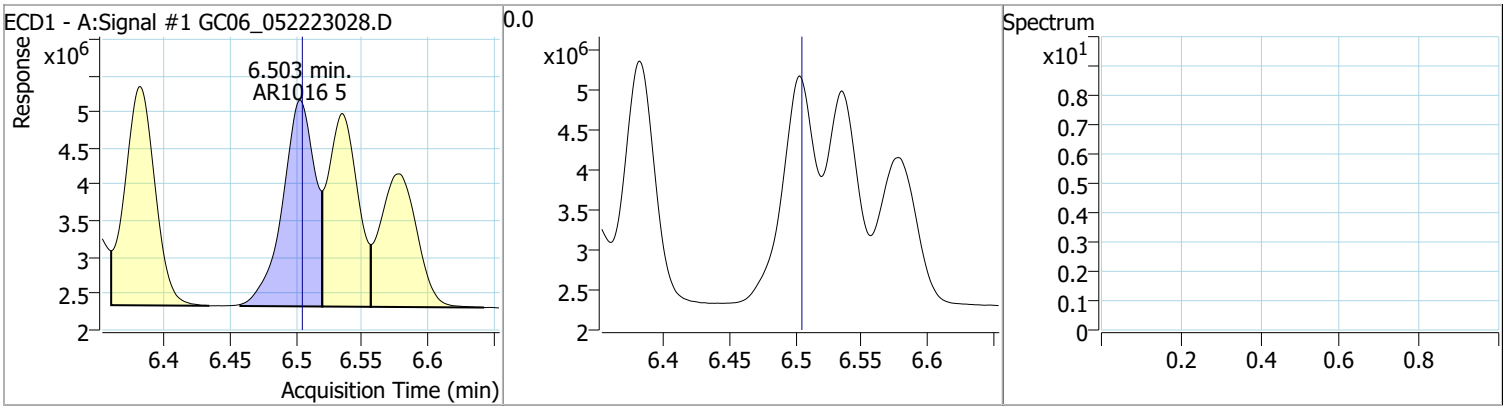
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1158.7807	6.26	0.00	21759547				



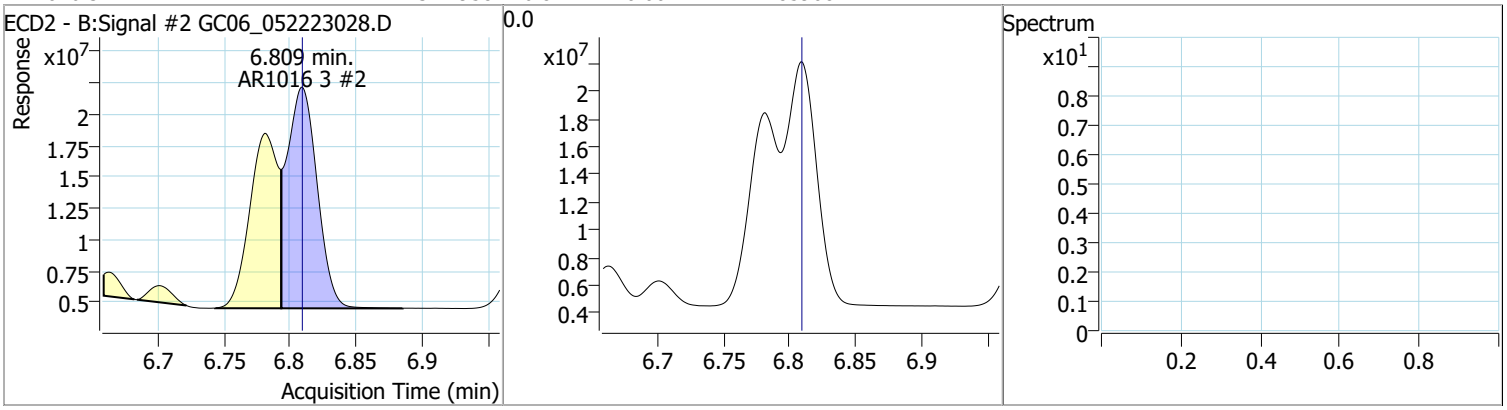
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1223.4577	6.31	0.00	6487826				



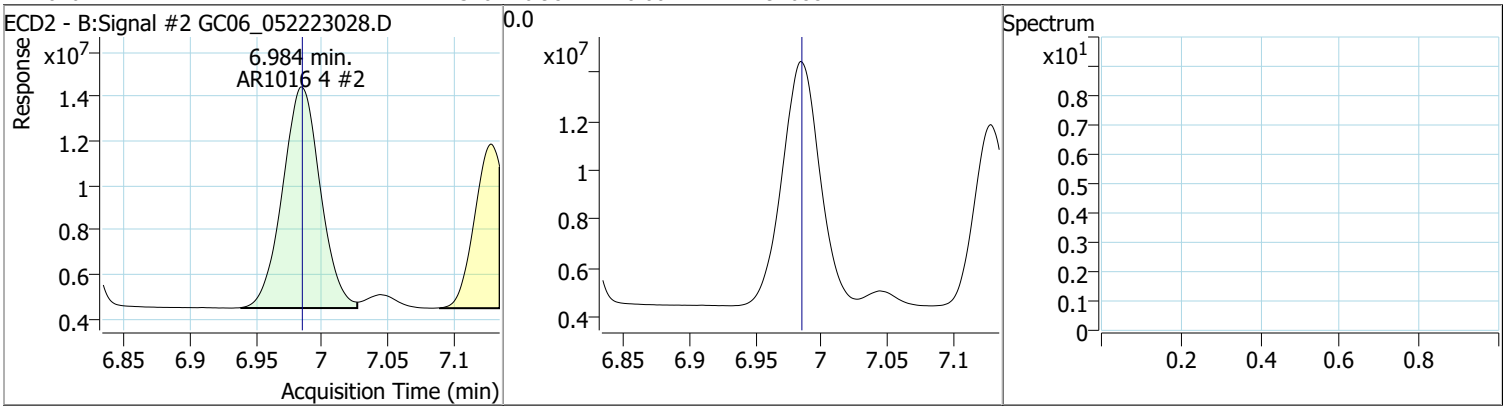
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1227.5157	6.50	0.00	4831227				



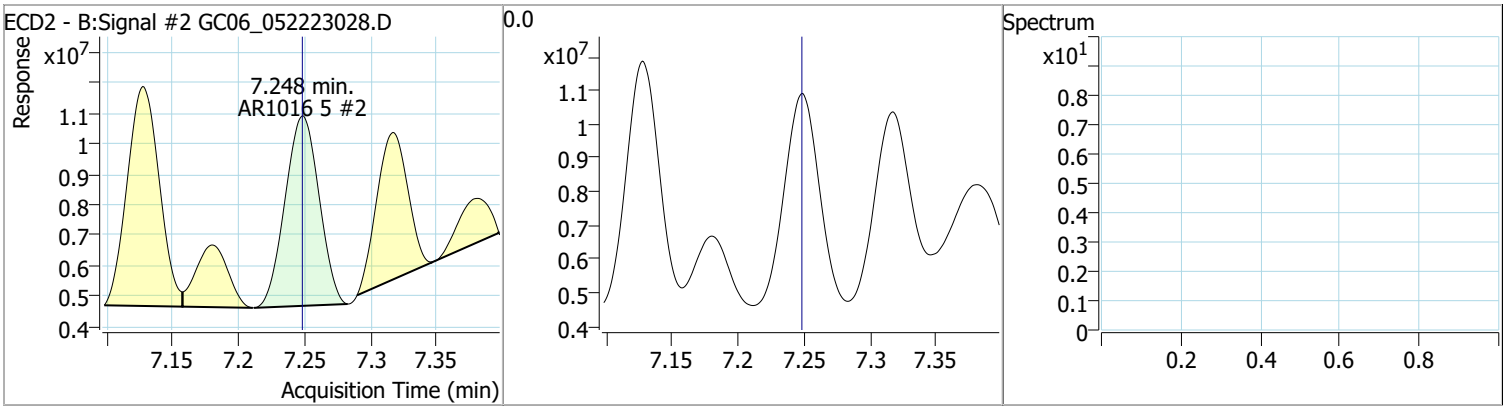
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AR1016 3 #2	1234.2958	6.81	0.00	27859081				



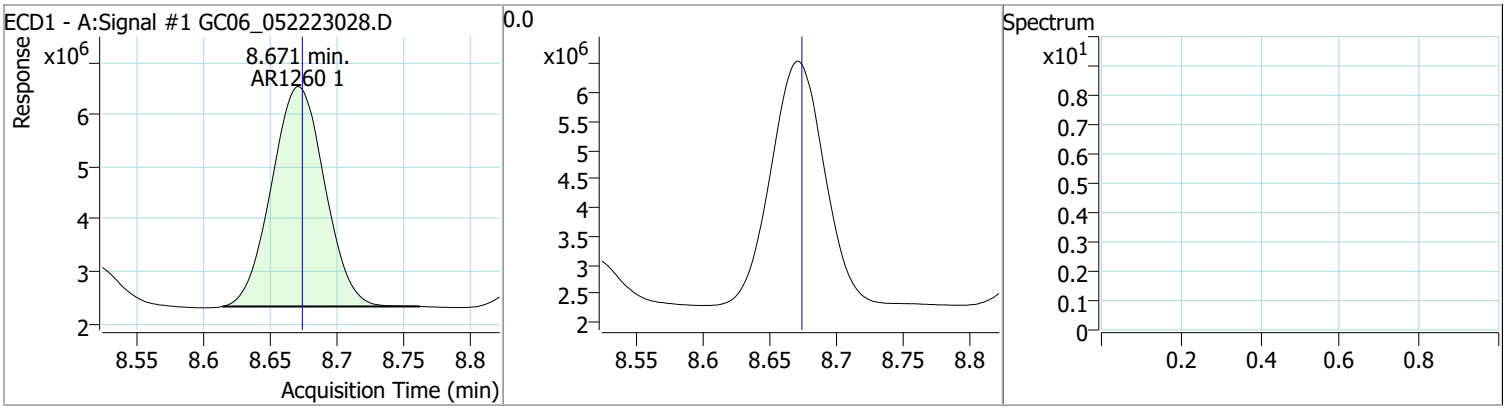
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1214.7340	6.98	0.00	19768821				



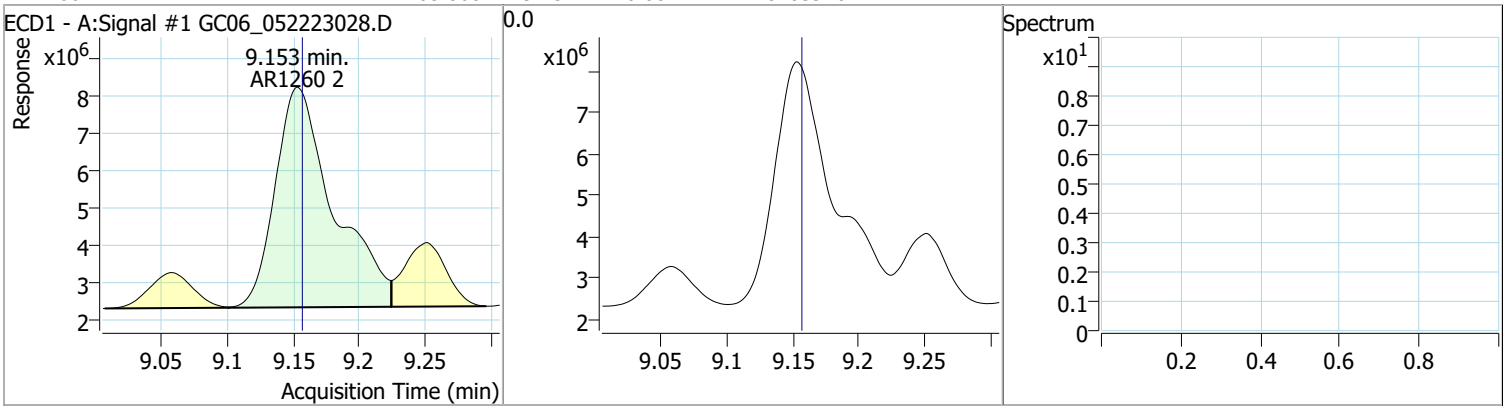
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1221.6729	7.25	0.00	11131193				



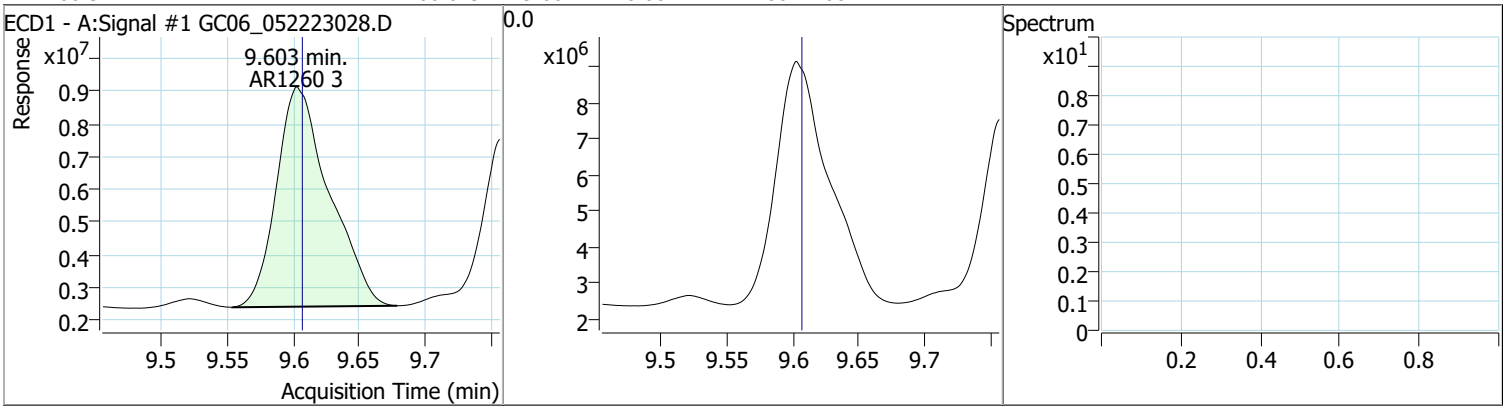
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1191.5529	8.67	0.00	11760437				



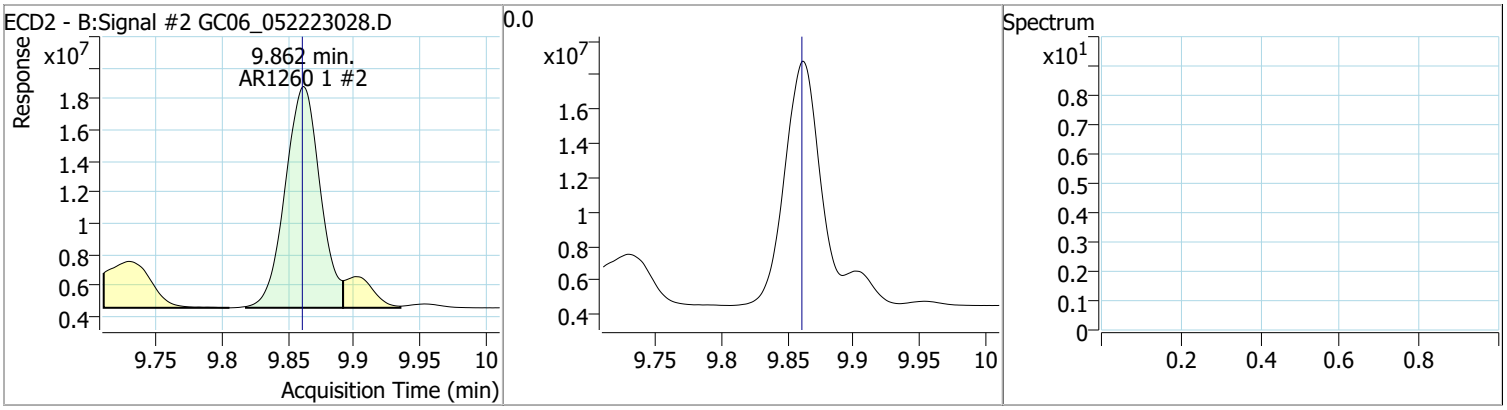
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1205.8687	9.15	0.00	18103976				



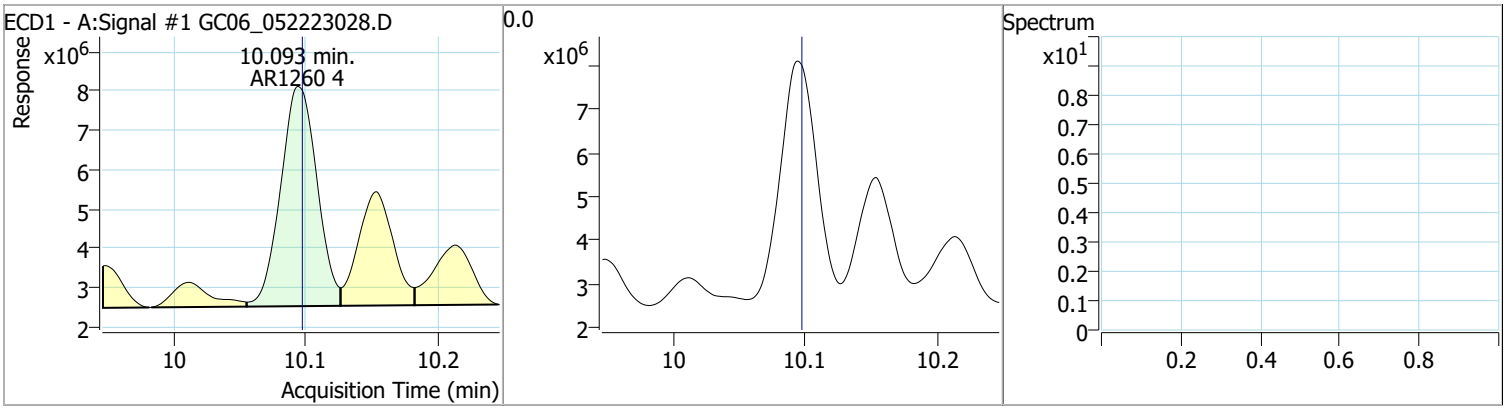
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1160.6792	9.60	0.00	18677708				



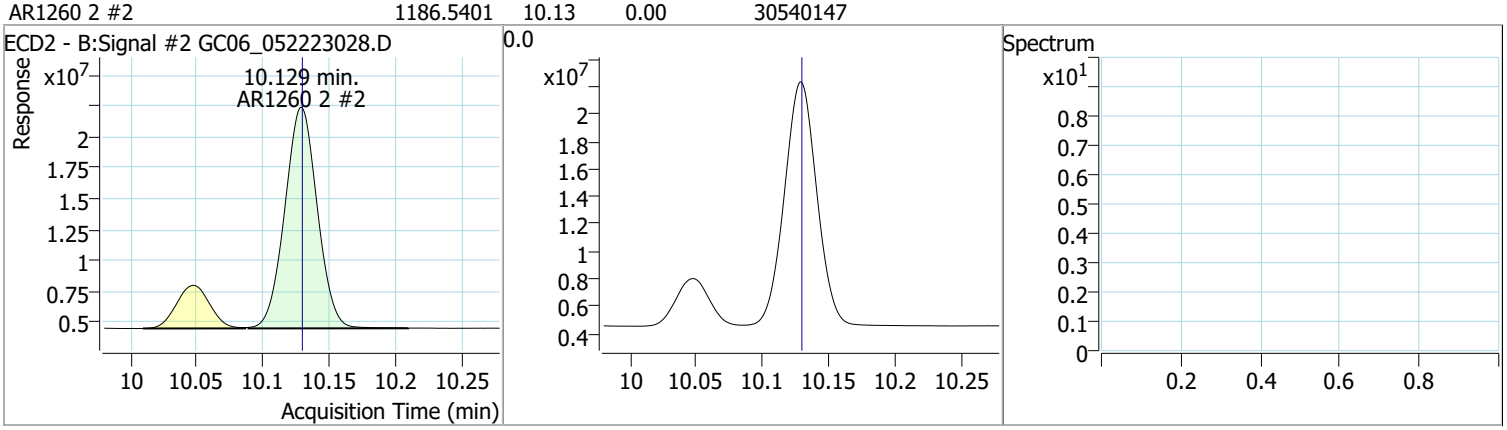
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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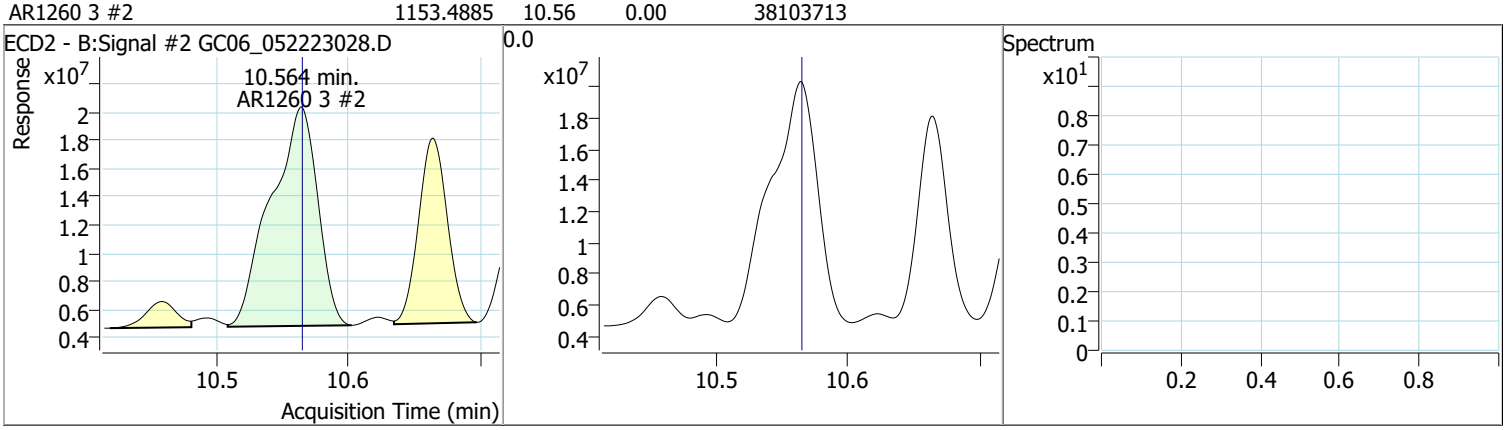
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1210.8391	10.09	0.00	10651294				



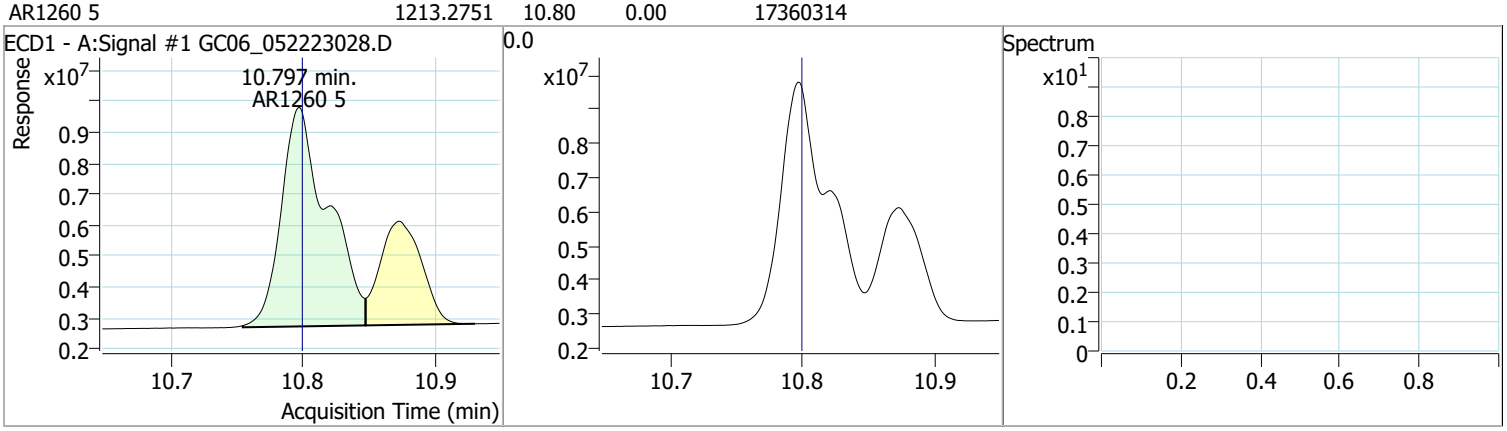
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1186.5401	10.13	0.00	30540147				



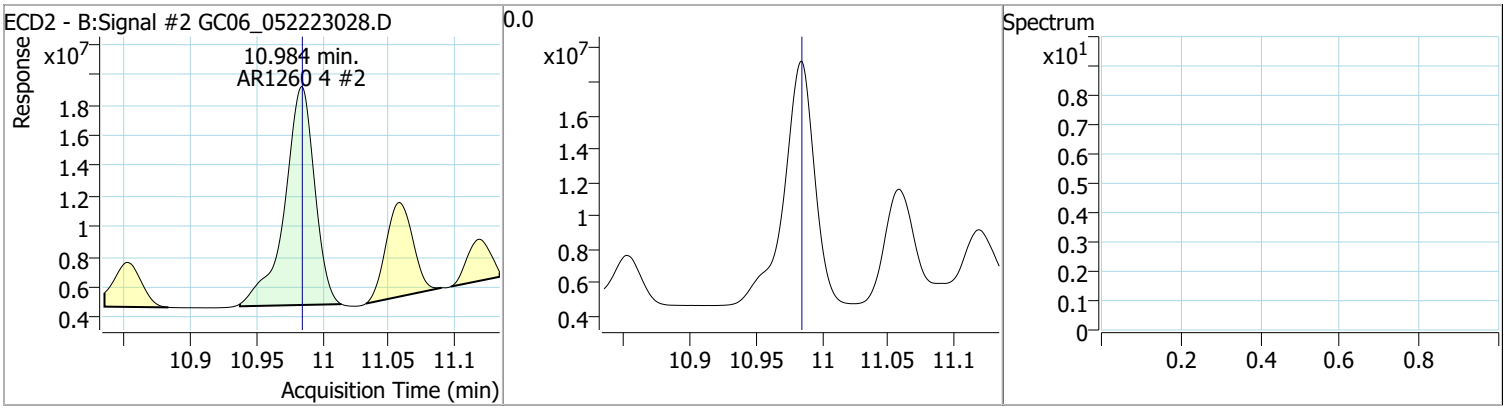
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1153.4885	10.56	0.00	38103713				



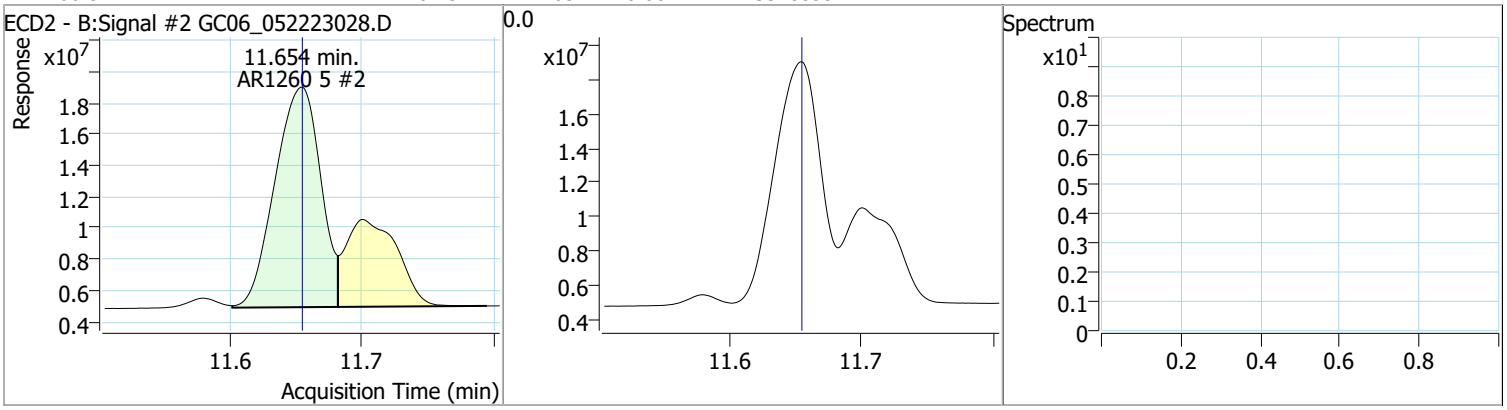
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1213.2751	10.80	0.00	17360314				



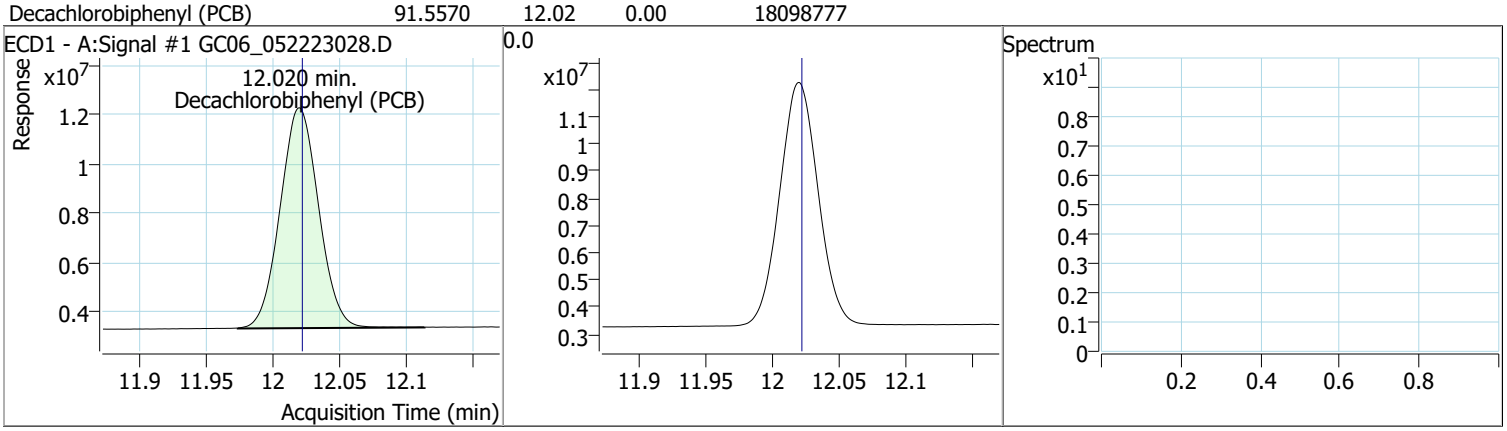
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1180.7062	10.98	0.00	22794320				



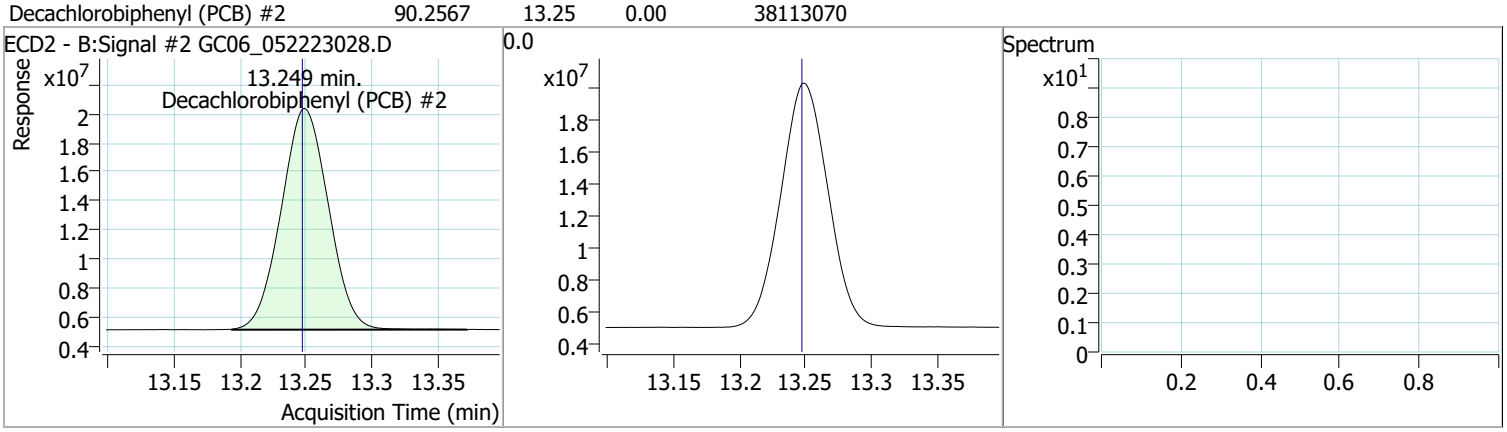
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1204.5277	11.65	0.00	33785997				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	91.5570	12.02	0.00	18098777				

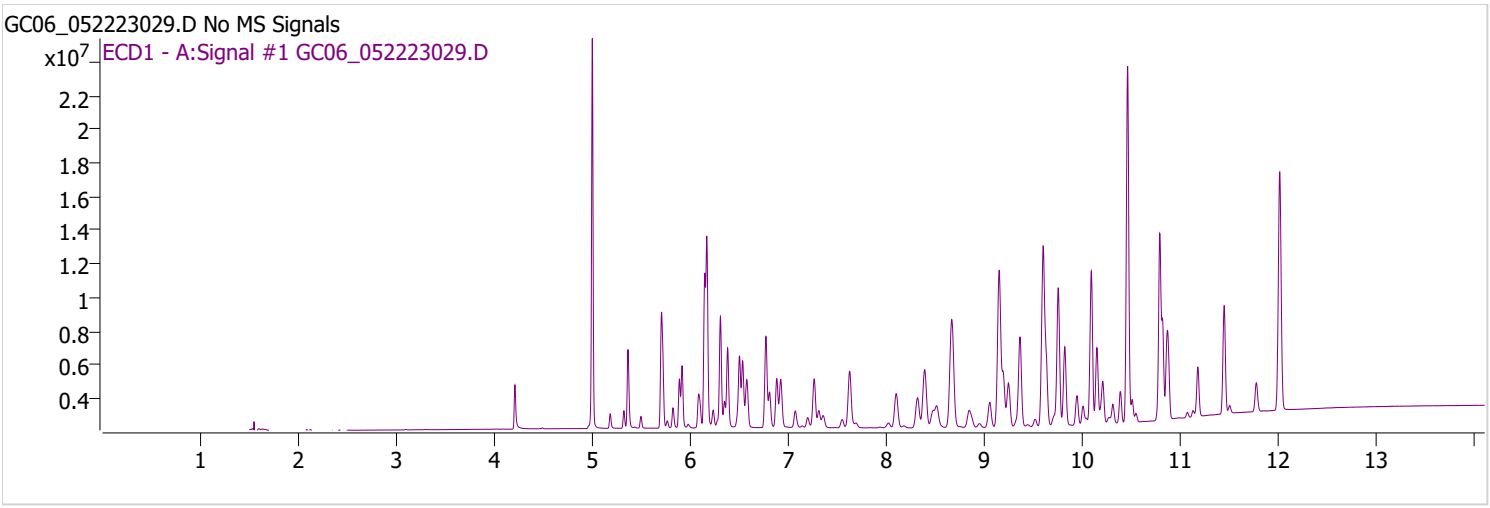


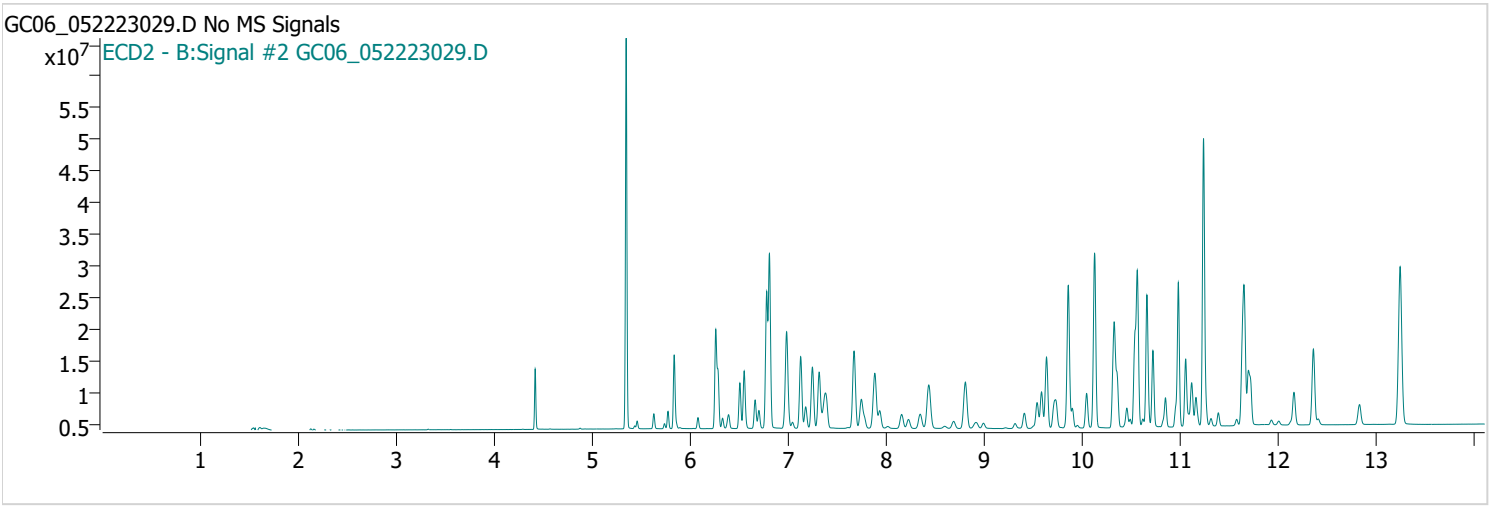
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	90.2567	13.25	0.00	38113070				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223029.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 10:51:18 PM
Sample Name	ICAL, S18188	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



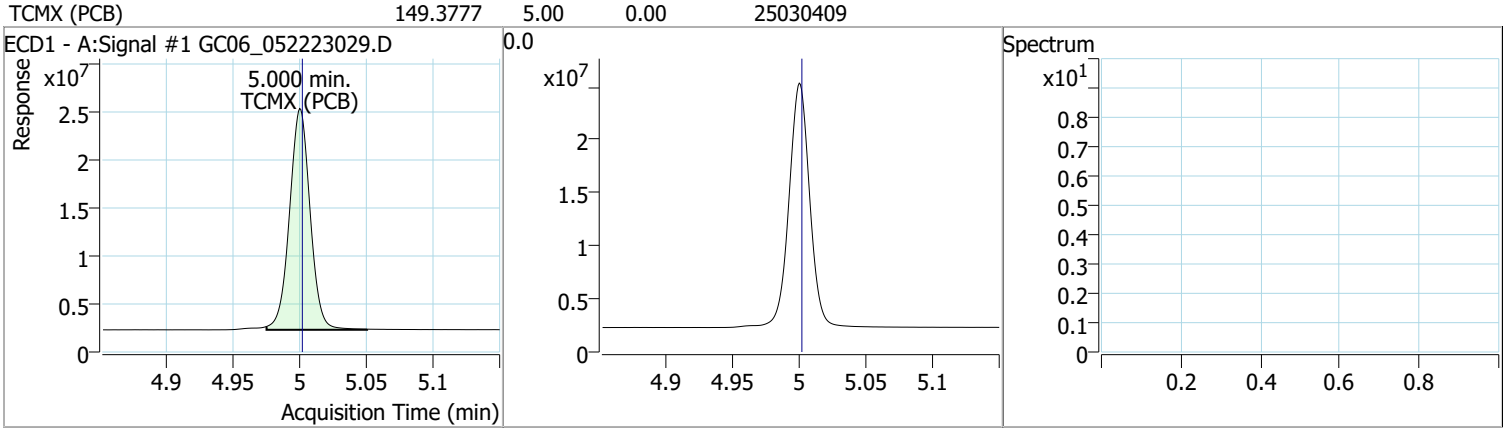


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	3160953.522	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.417	0.0	8708626.250	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.000	0.0	25030409.175	149.3777	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 746.89%		*	
S TCMX (PCB) #2	5.346	0.0	64295492.109	139.5813	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 697.91%		*	
S Decachlorobiphenyl (PCB)	12.019	0.0	28685981.809	137.1148	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 685.57%		*	
S Decachlorobiphenyl (PCB) #2	13.248	0.0	59749651.364	130.6306	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 653.15%		*	
Target Compounds							QValue

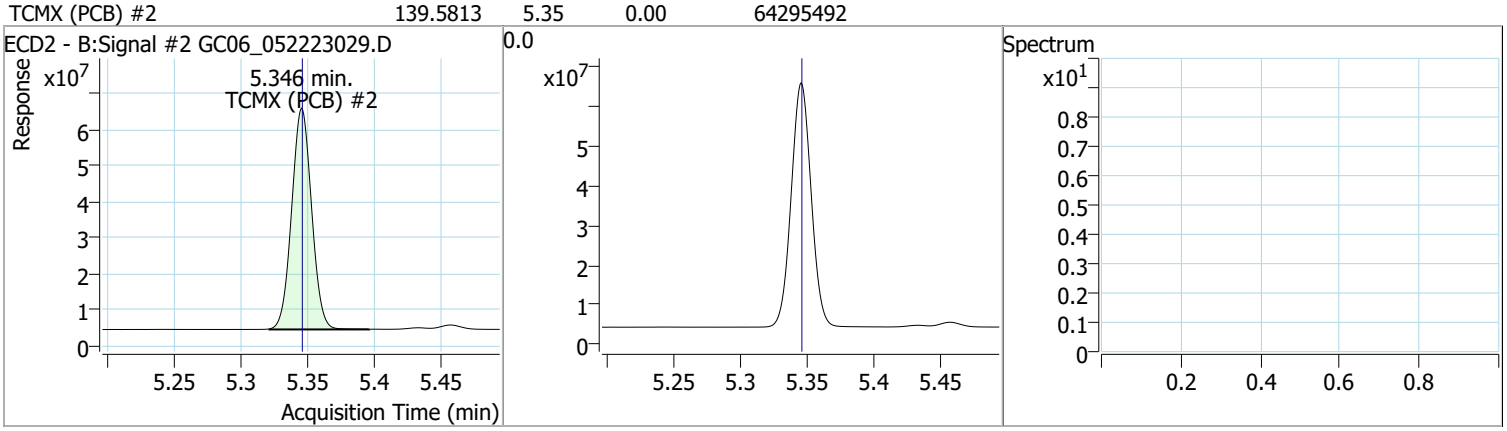
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.364	0.0	6111222.294	1746.7582	ng/ml		100
T AR1016 2	5.707	0.0	12227855.091	1711.4256	ng/ml		100
T AR1016 1 #2	5.837	0.0	15232880.432	1681.0803	ng/ml		100
T AR1016 3	6.169	0.0	15869224.276	1741.3487	ng/ml	m	100
T AR1016 2 #2	6.261	0.0	32724417.412	1608.8944	ng/ml		100
T AR1016 4	6.308	0.0	9777963.894	1742.2497	ng/ml		100
T AR1016 5	6.503	0.0	7149301.582	1716.3481	ng/ml		100
T AR1016 3 #2	6.808	0.0	43067076.509	1761.5789	ng/ml		100
T AR1016 4 #2	6.984	0.0	30031294.720	1703.6435	ng/ml		100
T AR1016 5 #2	7.248	0.0	16814382.625	1703.7207	ng/ml		100
T AR1260 1	8.670	0.0	18234205.612	1745.6166	ng/ml		100
T AR1260 2	9.154	0.0	27664782.787	1741.1071	ng/ml		100
T AR1260 3	9.603	0.0	29097860.552	1708.5270	ng/ml		100
T AR1260 1 #2	9.860	0.0	40763768.158	1652.5597	ng/ml		100
T AR1260 4	10.095	0.0	16560328.527	1778.7921	ng/ml		100
T AR1260 2 #2	10.129	0.0	47655773.797	1709.3504	ng/ml		100
T AR1260 3 #2	10.564	0.0	59893964.610	1673.9145	ng/ml		100
T AR1260 5	10.794	0.0	27496413.534	1815.7244	ng/ml	m	100
T AR1260 4 #2	10.983	0.0	35335043.954	1689.7602	ng/ml		100
T AR1260 5 #2	11.653	0.0	53682827.720	1766.9314	ng/ml		100

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

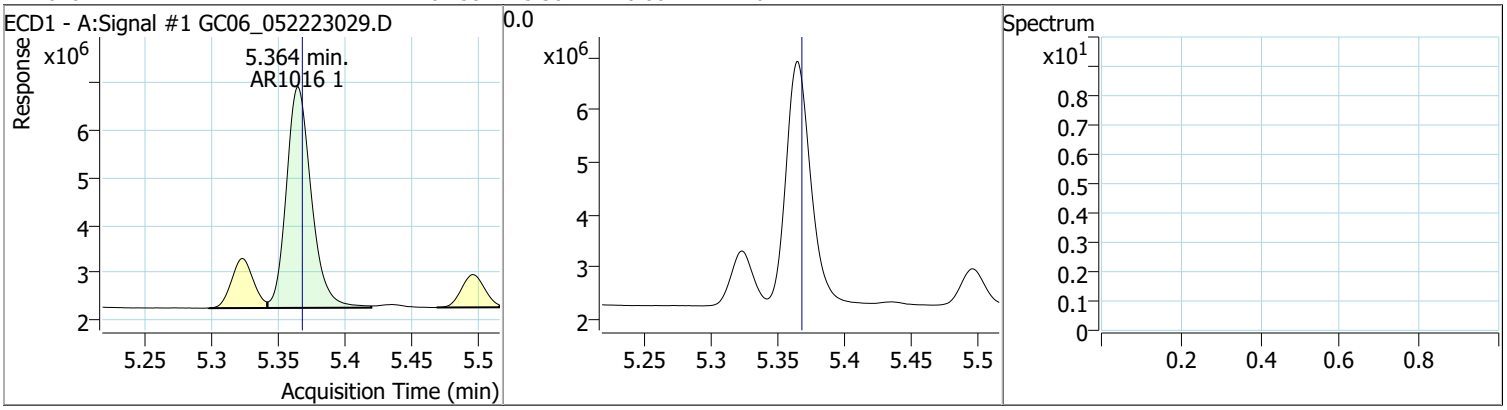
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	149.3777	5.00	0.00	25030409				



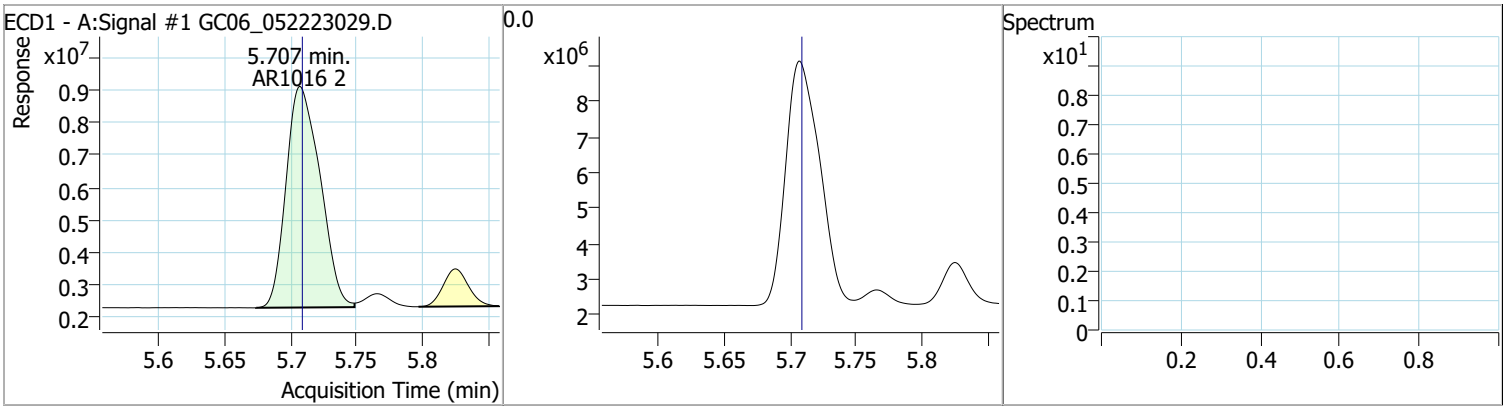
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	139.5813	5.35	0.00	64295492				



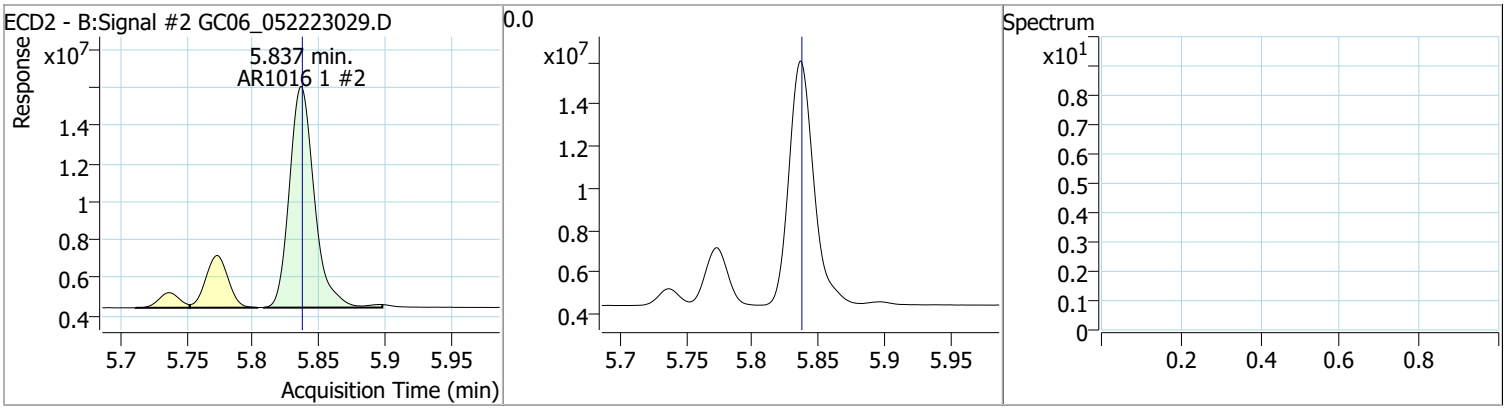
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1746.7582	5.36	0.00	6111222				



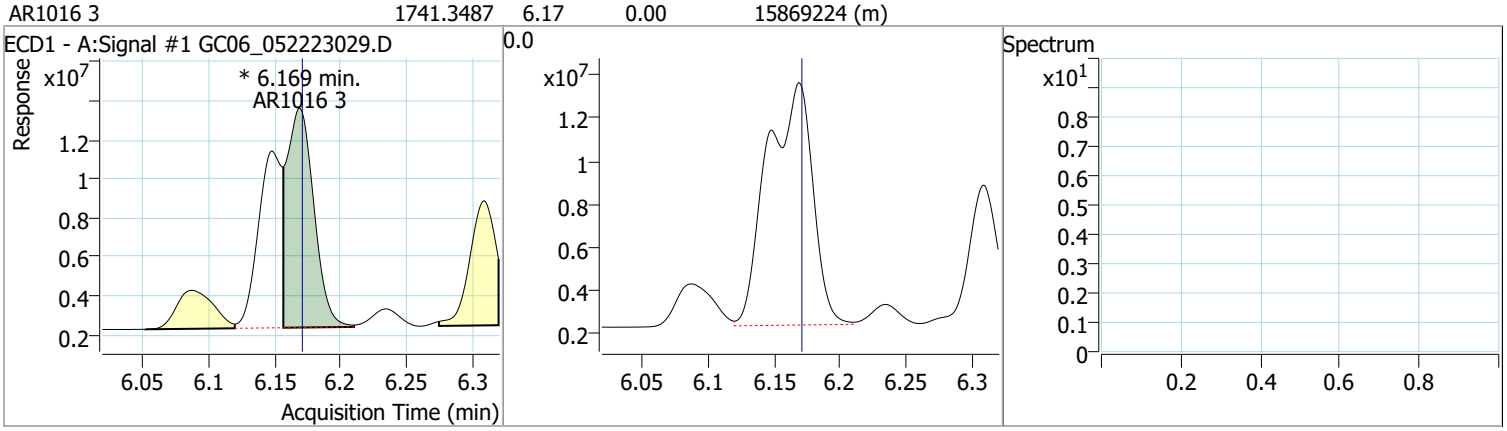
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1711.4256	5.71	0.00	12227855				



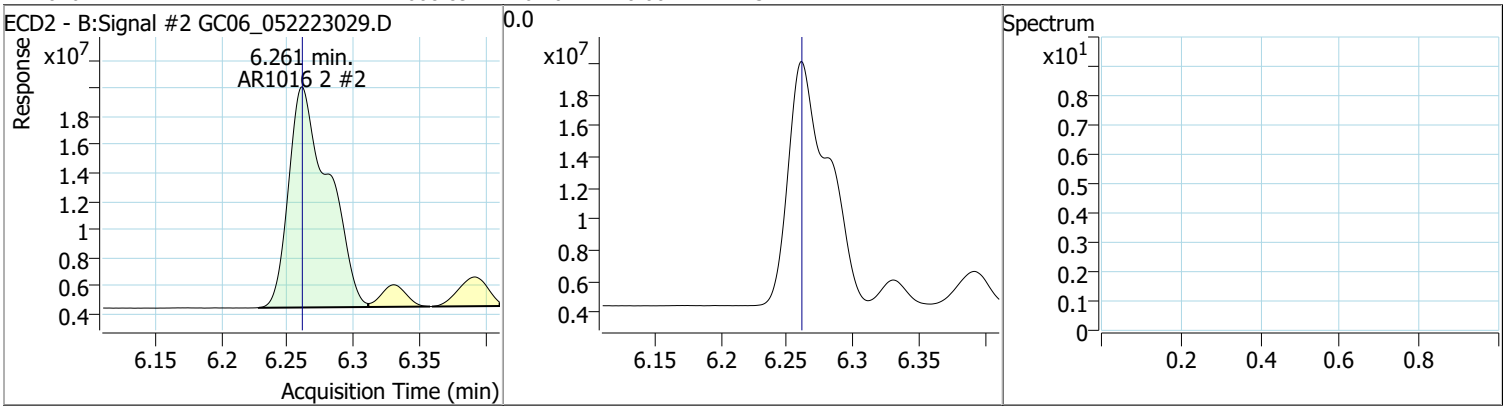
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1681.0803	5.84	0.00	15232880				



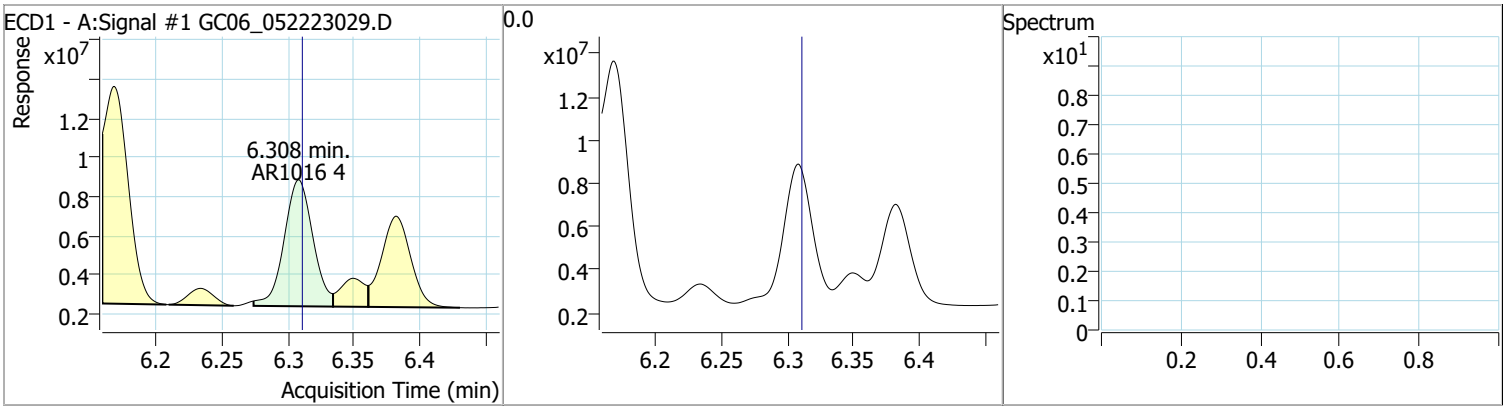
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1741.3487	6.17	0.00	15869224 (m)				



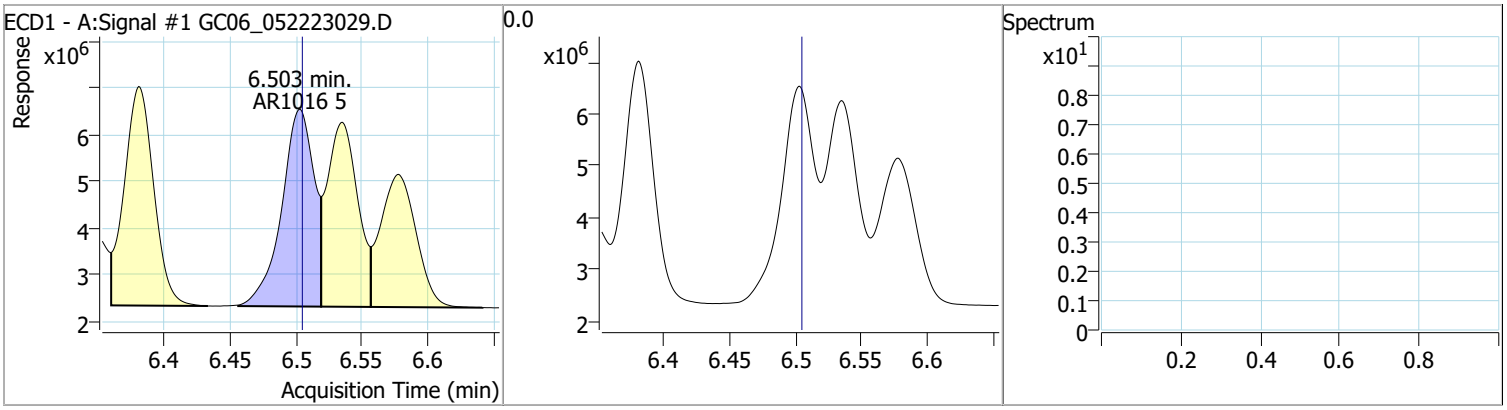
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1608.8944	6.26	0.00	32724417				



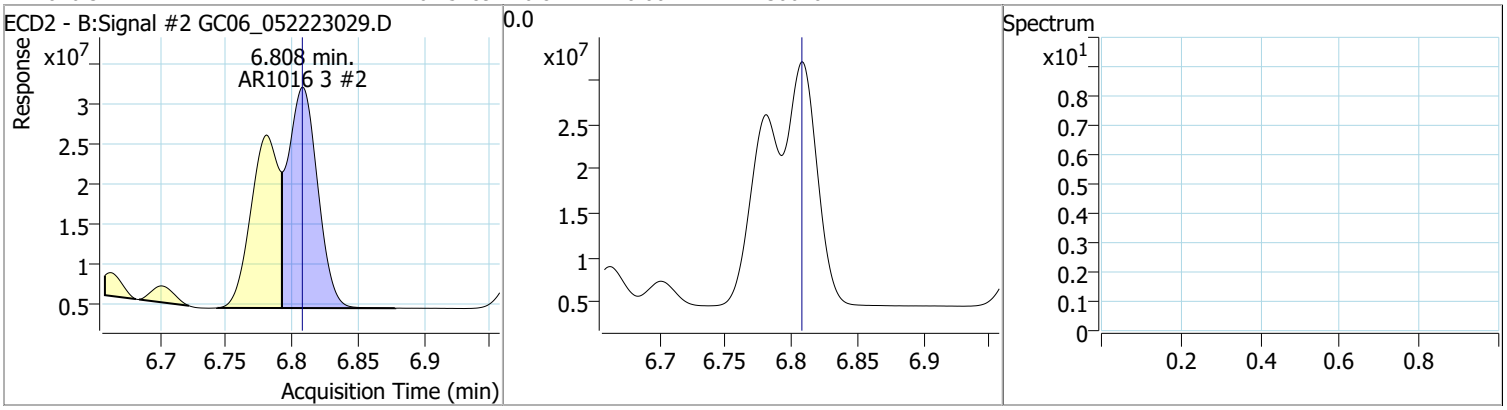
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1742.2497	6.31	0.00	9777964				



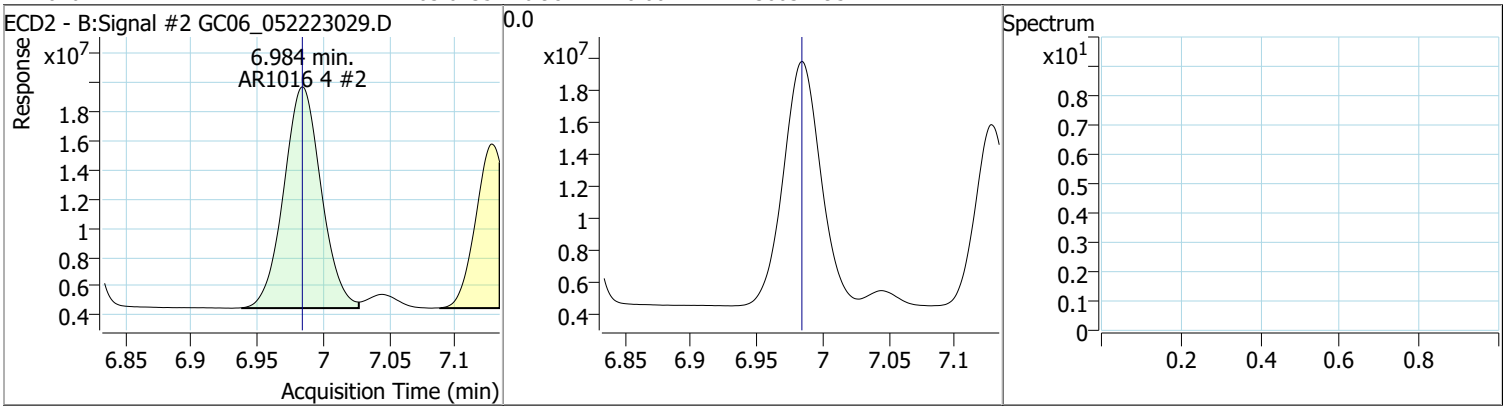
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1716.3481	6.50	0.00	7149302				



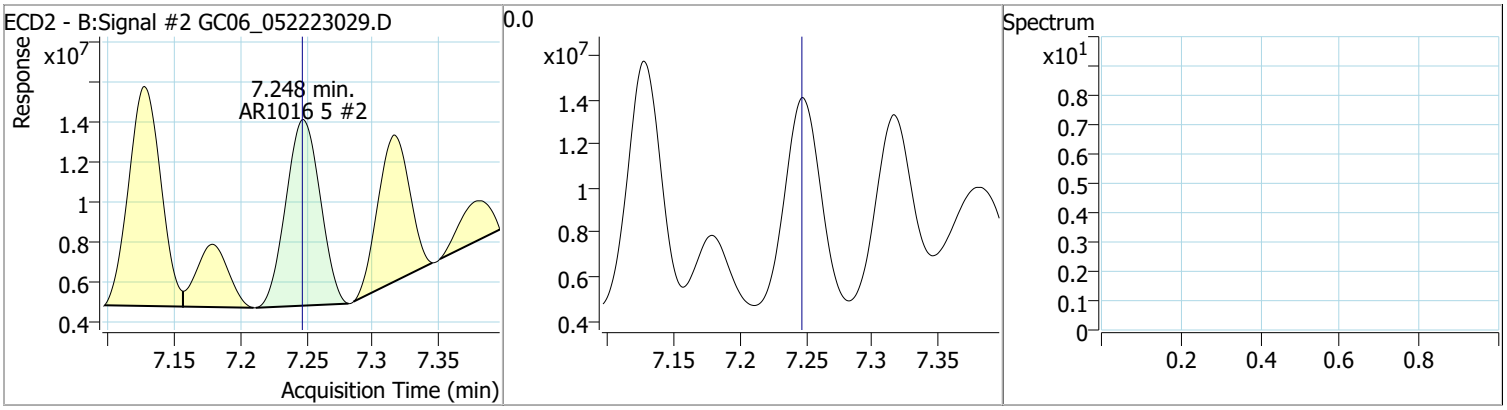
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1761.5789	6.81	0.00	43067077				



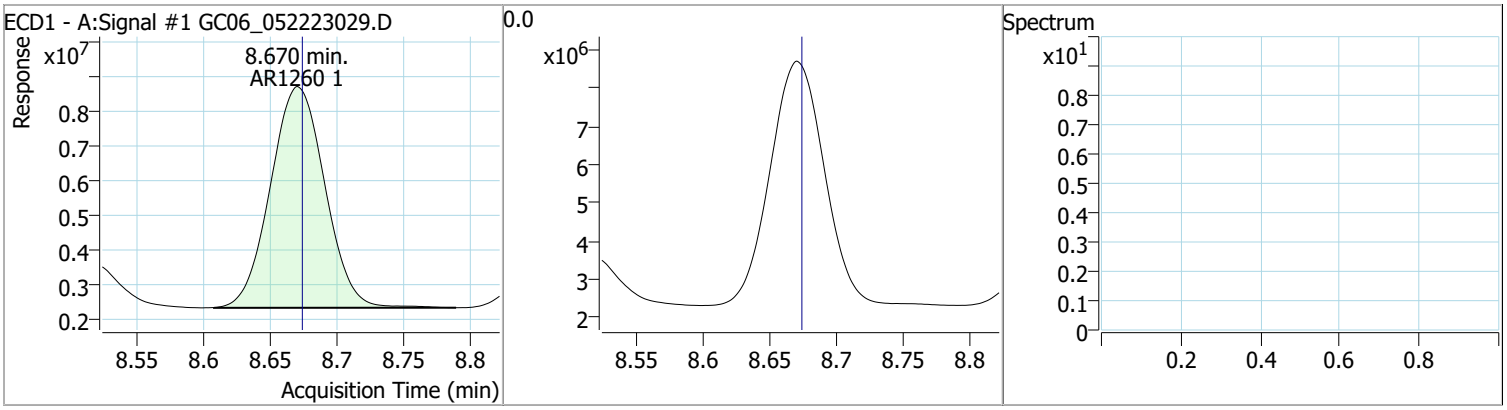
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1703.6435	6.98	0.00	30031295				



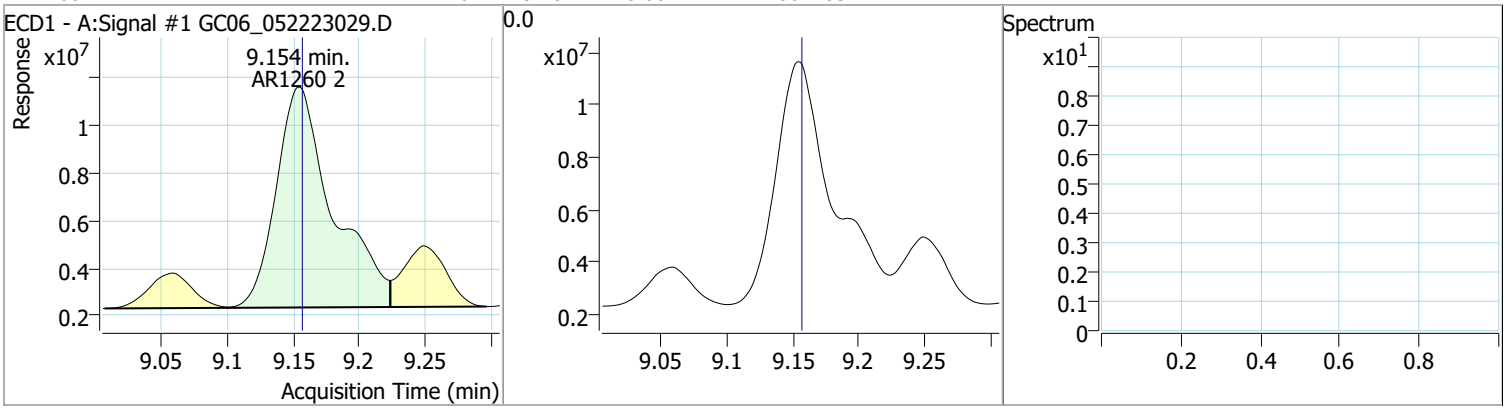
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1703.7207	7.25	0.00	16814383				



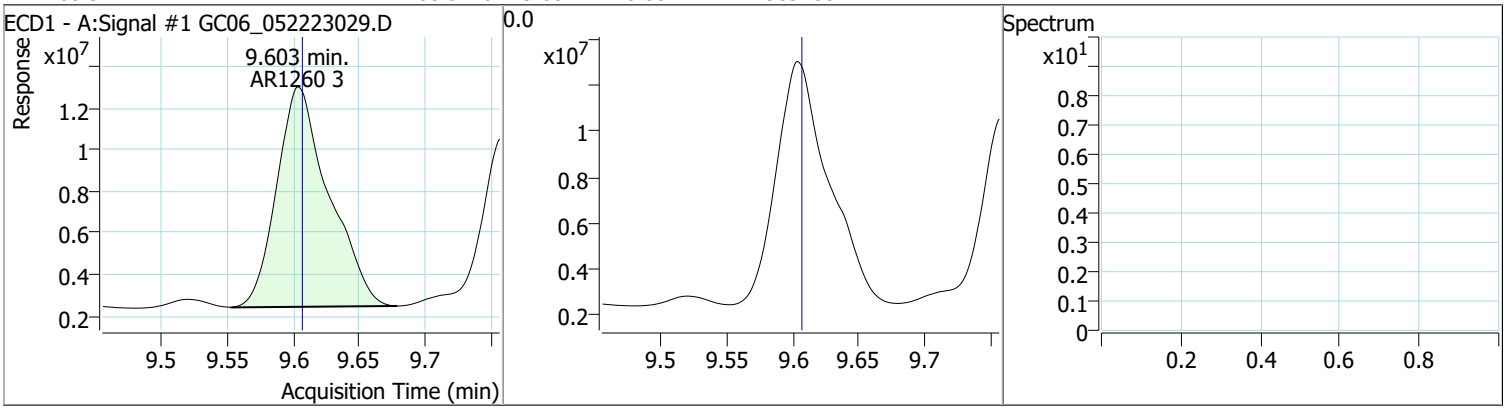
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1745.6166	8.67	0.00	18234206				



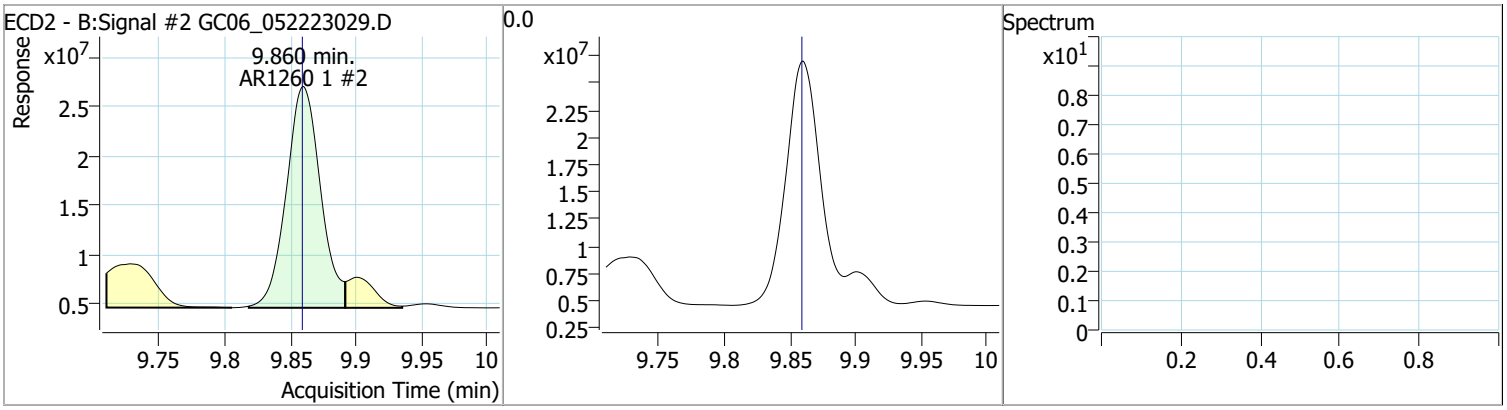
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1741.1071	9.15	0.00	27664783				



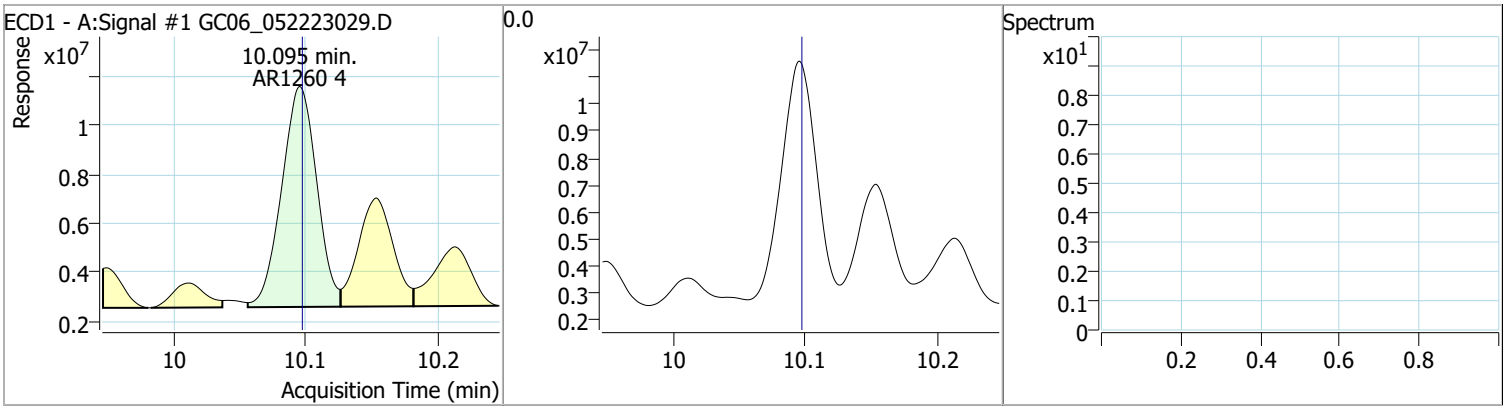
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1708.5270	9.60	0.00	29097861				



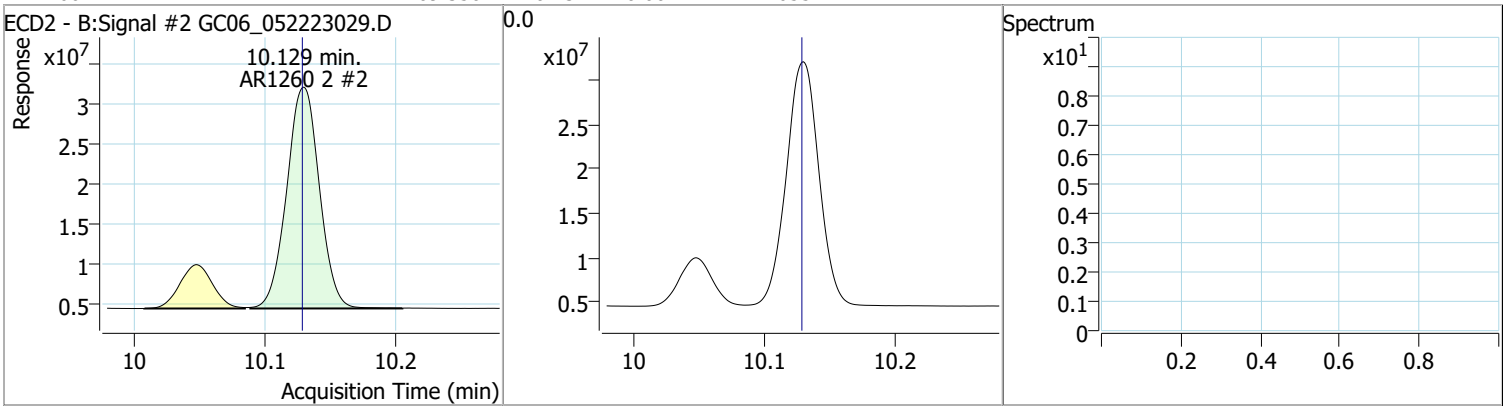
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1652.5597	9.86	0.00	40763768				



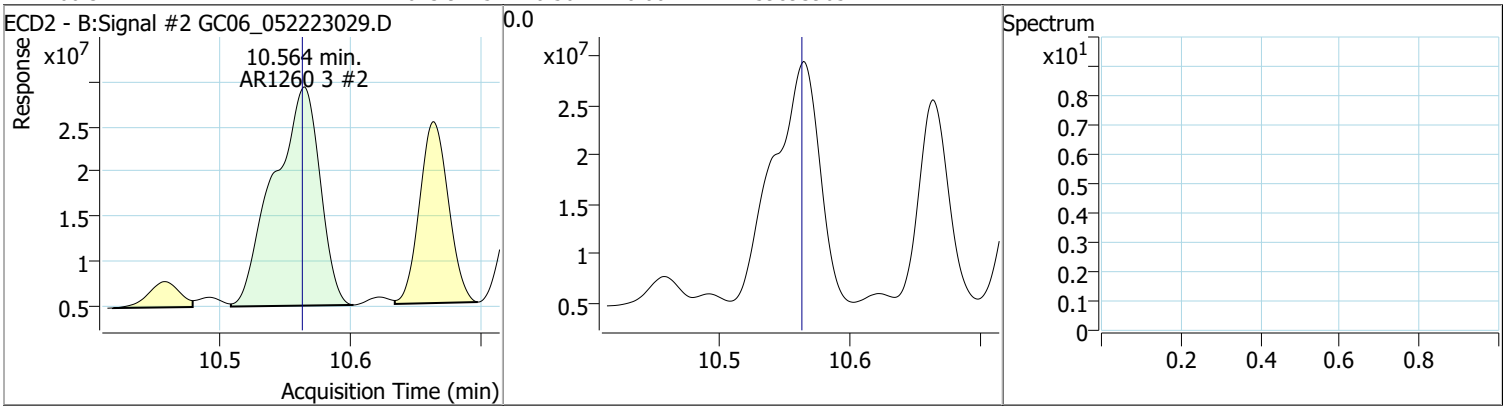
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1778.7921	10.10	0.00	16560329				



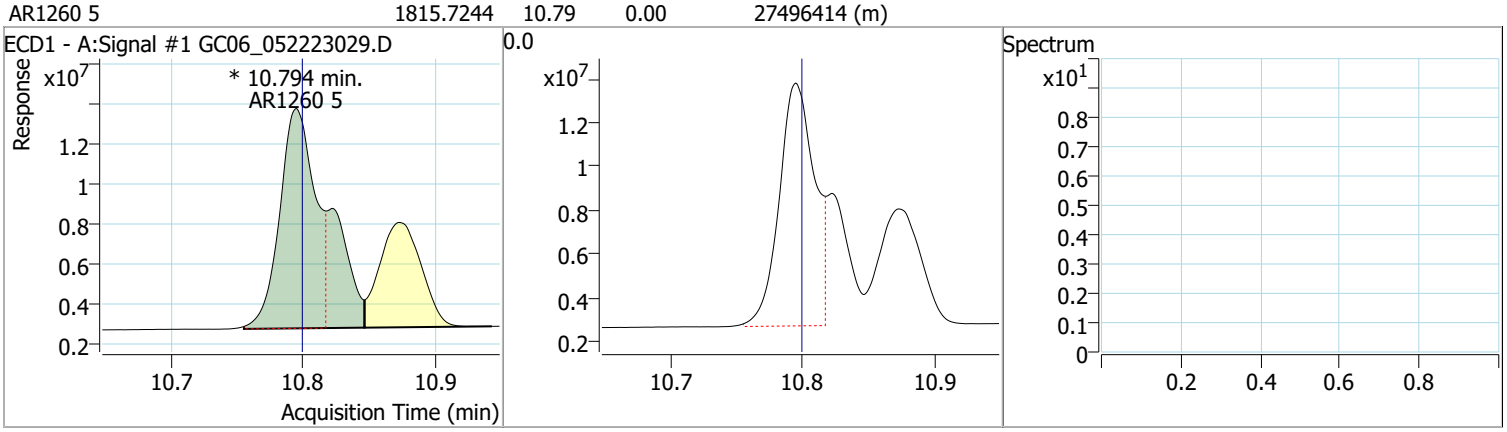
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1709.3504	10.13	0.00	47655774				



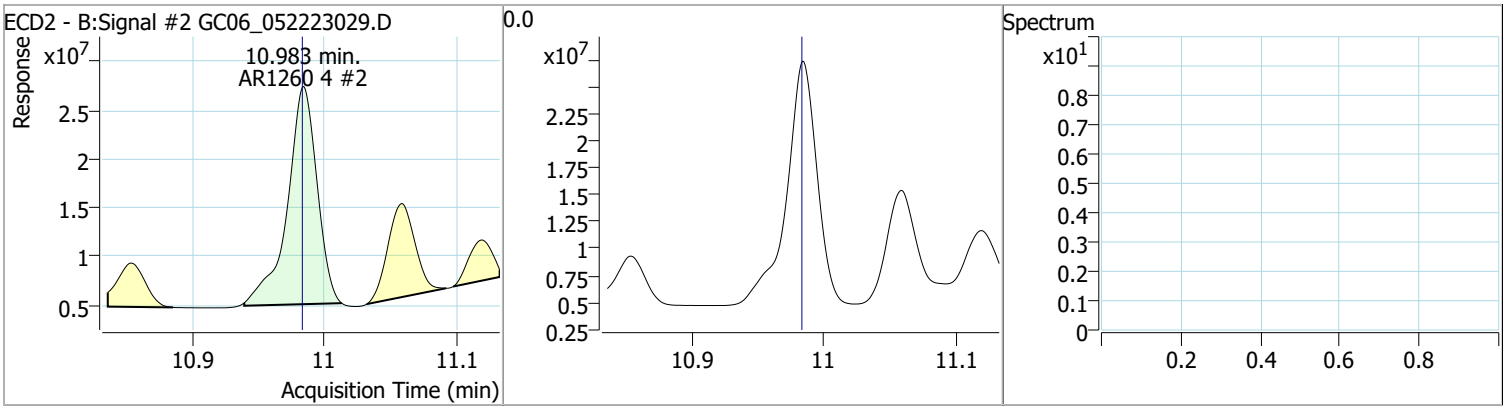
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1673.9145	10.56	0.00	59893965				



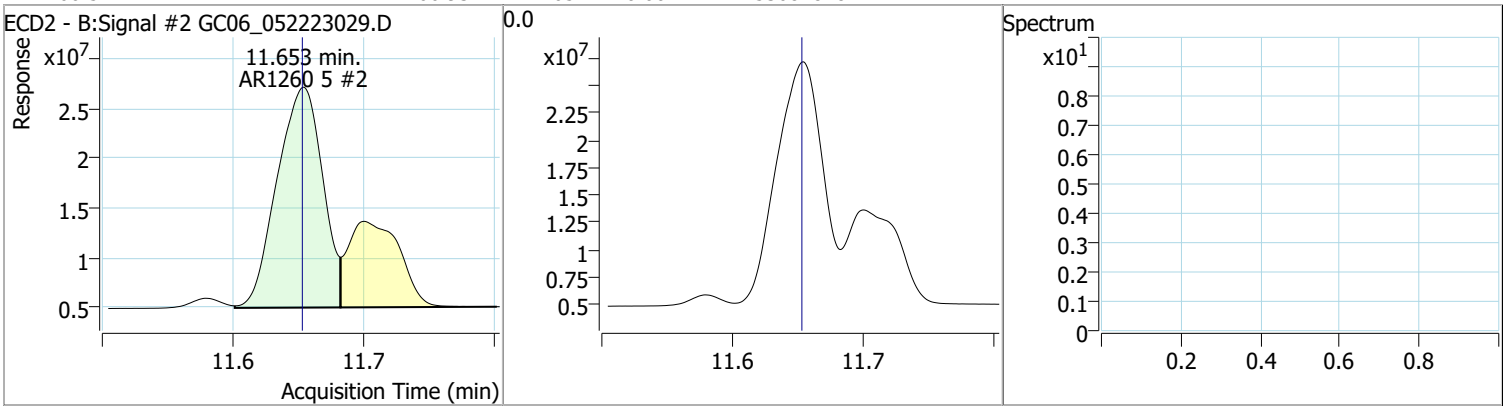
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1815.7244	10.79	0.00	27496414 (m)				



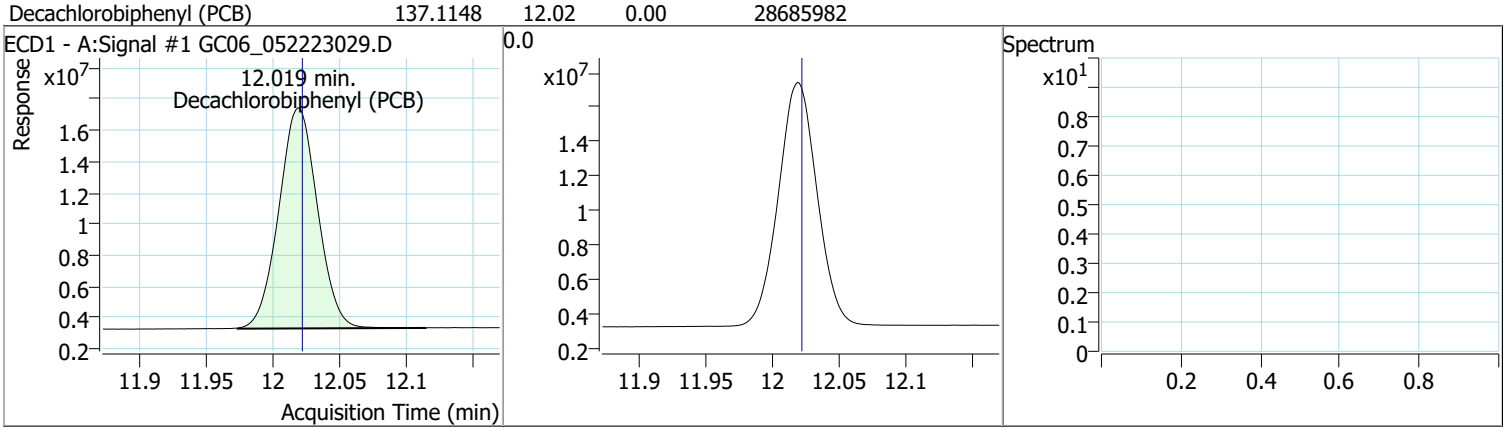
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1689.7602	10.98	0.00	35335044				



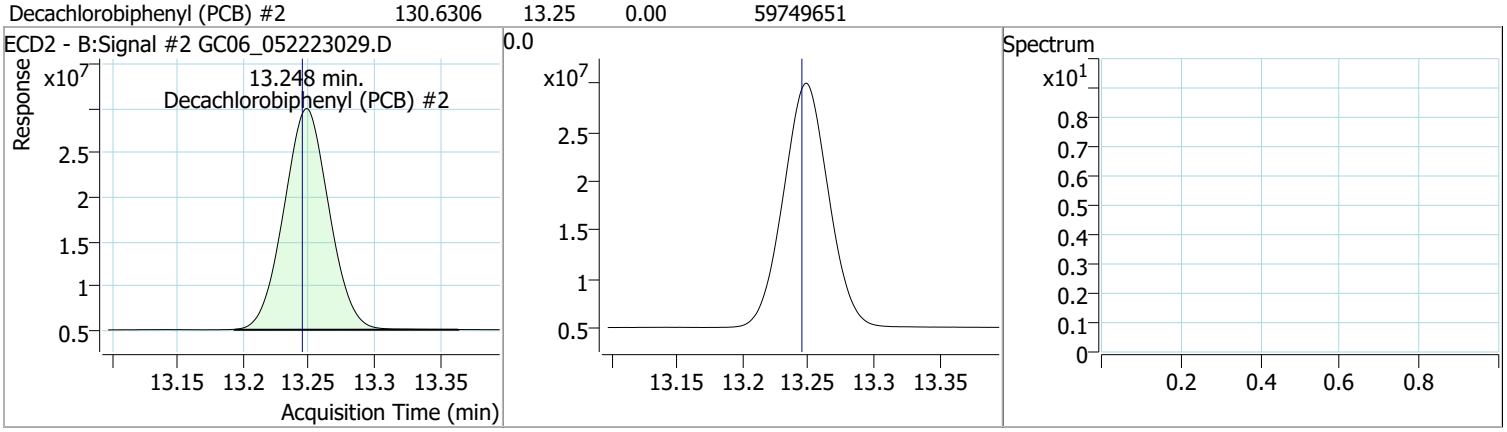
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1766.9314	11.65	0.00	53682828				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	137.1148	12.02	0.00	28685982				

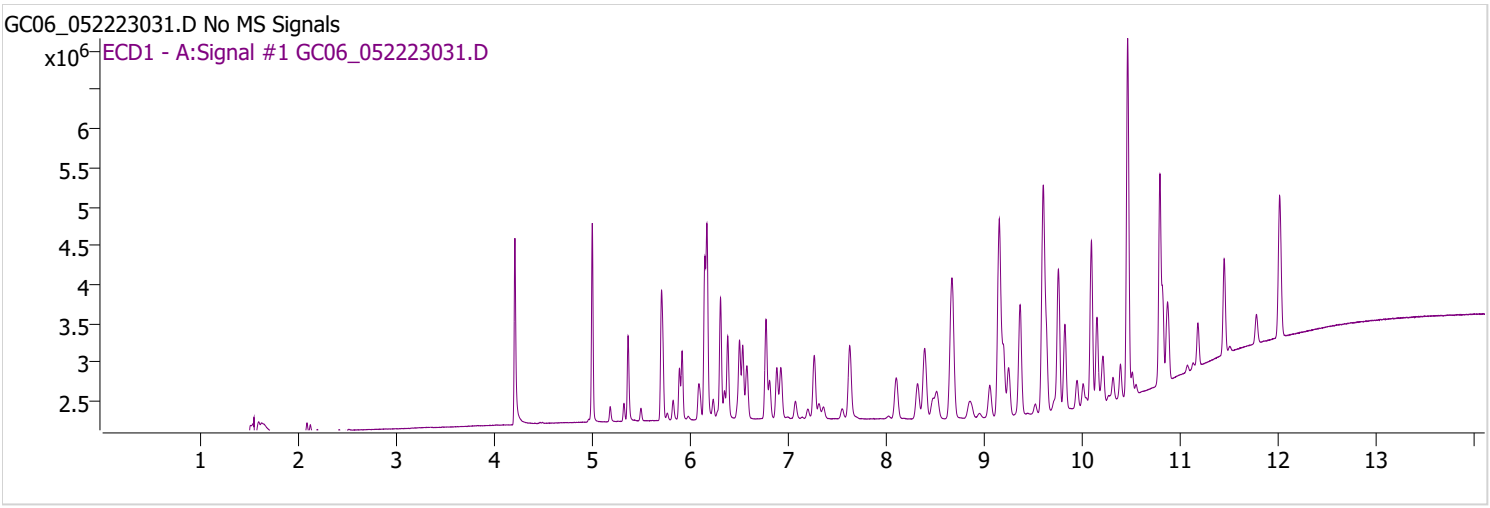


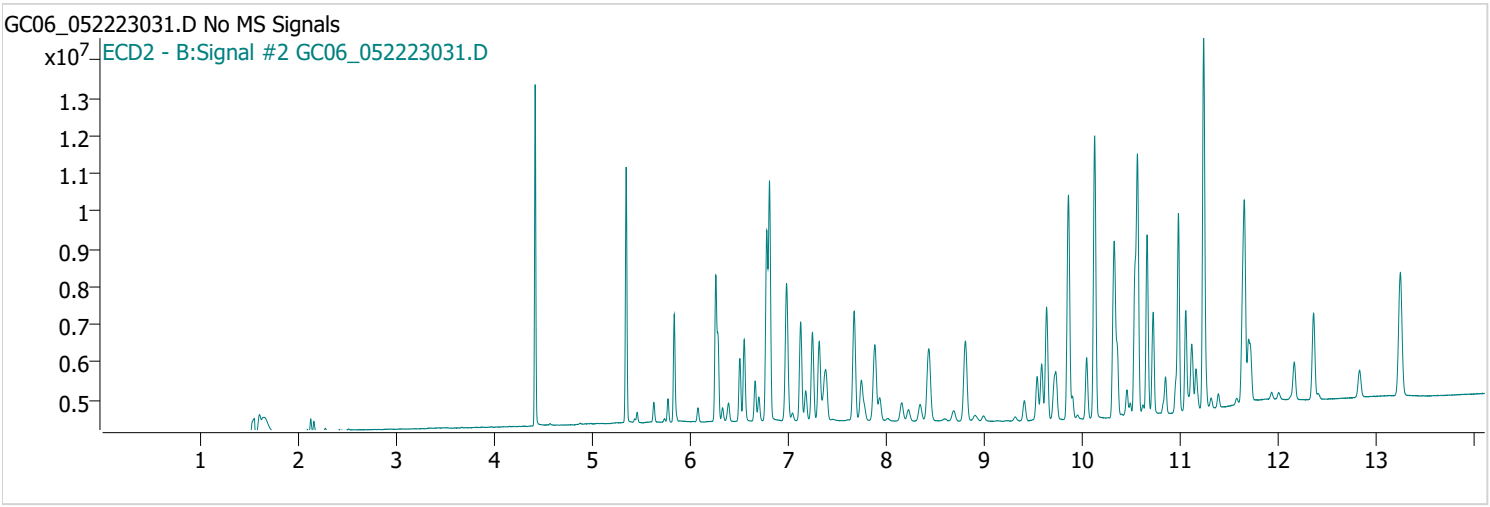
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	130.6306	13.25	0.00	59749651				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223031.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 11:27:51 PM
Sample Name	ICV, S18189	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



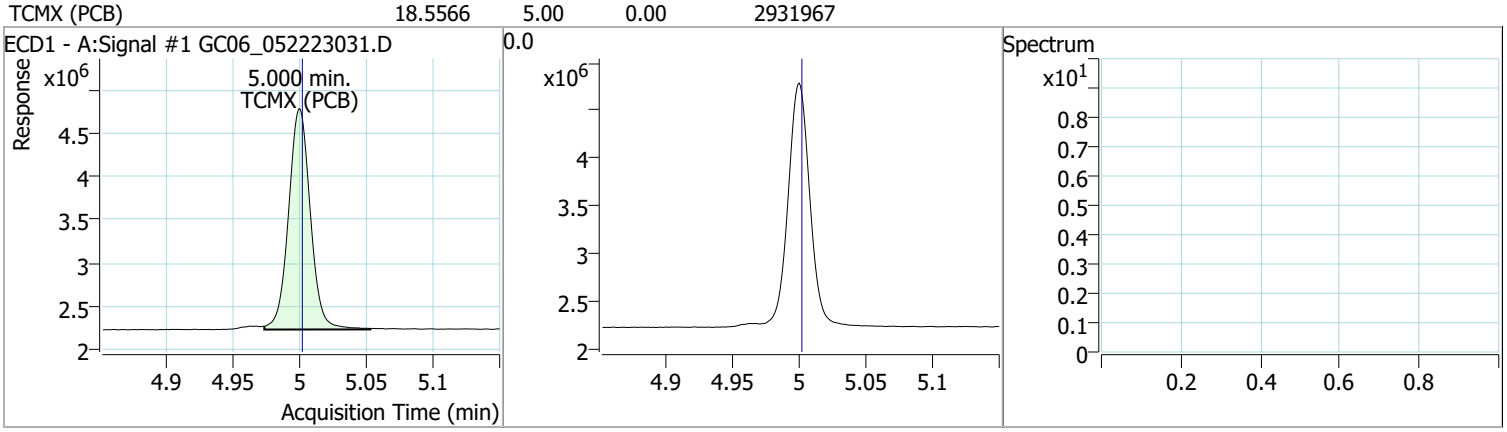


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	2965086.269	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.417	0.0	8144012.698	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.000	0.0	2931967.143	18.5566	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.78%		
S TCMX (PCB) #2	5.346	0.0	7455081.712	17.2571	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 86.29%		
S Decachlorobiphenyl (PCB)	12.017	0.0	3695856.362	18.6794	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.40%		
S Decachlorobiphenyl (PCB) #2	13.249	0.0	8082909.832	18.7941	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.97%		
Target Compounds						QValue

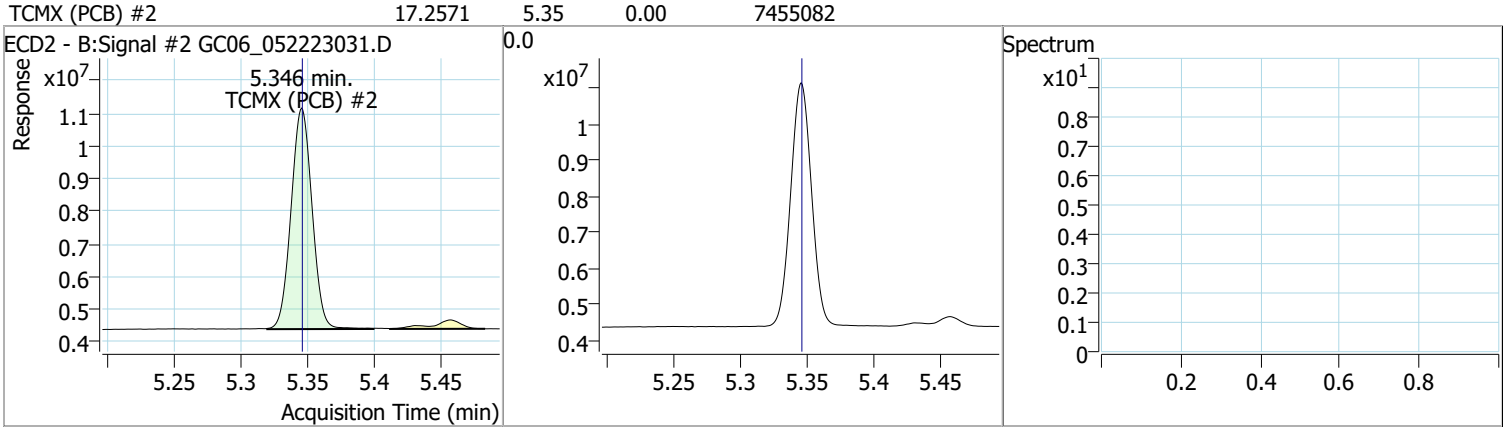
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.365	0.0	1332421.400	402.8922	ng/ml	m	100
T AR1016 2	5.708	0.0	2964713.595	441.5635	ng/ml		100
T AR1016 1 #2	5.837	0.0	3640723.507	429.1921	ng/ml		100
T AR1016 3	6.170	0.0	3642631.285	424.4663	ng/ml	m	100
T AR1016 2 #2	6.261	0.0	7985254.365	419.0600	ng/ml		100
T AR1016 4	6.309	0.0	2299146.962	444.4953	ng/ml		100
T AR1016 5	6.503	0.0	1692917.796	427.9434	ng/ml		100
T AR1016 3 #2	6.808	0.0	9914511.352	432.4020	ng/ml		100
T AR1016 4 #2	6.983	0.0	7064071.261	428.0494	ng/ml		100
T AR1016 5 #2	7.248	0.0	3988594.700	453.0992	ng/ml		100
T AR1260 1	8.672	0.0	5089637.340	519.0721	ng/ml		100
T AR1260 2	9.155	0.0	7801118.049	521.1614	ng/ml		100
T AR1260 3	9.604	0.0	8028245.335	501.9373	ng/ml		100
T AR1260 1 #2	9.861	0.0	11176479.352	486.6178	ng/ml		100
T AR1260 4	10.095	0.0	3839797.738	440.6434	ng/ml		100
T AR1260 2 #2	10.128	0.0	13040618.884	503.5826	ng/ml		100
T AR1260 3 #2	10.564	0.0	16611472.426	501.2718	ng/ml		100
T AR1260 5	10.795	0.0	6181032.631	448.5989	ng/ml		100
T AR1260 4 #2	10.983	0.0	8587878.654	443.6775	ng/ml		100
T AR1260 5 #2	11.655	0.0	12526222.108	446.4757	ng/ml		100

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

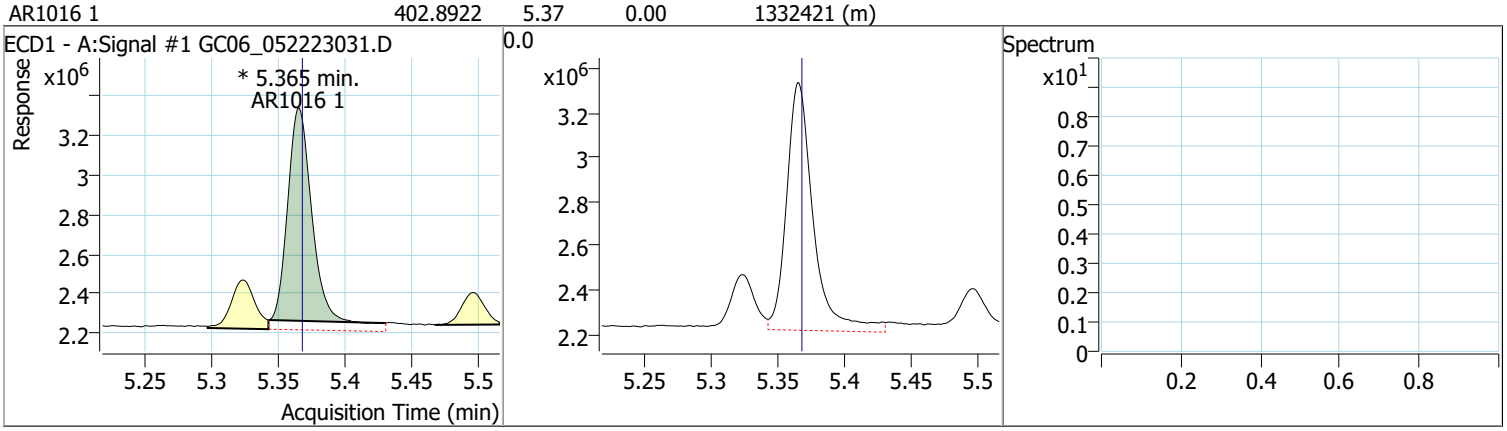
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.5566	5.00	0.00	2931967				



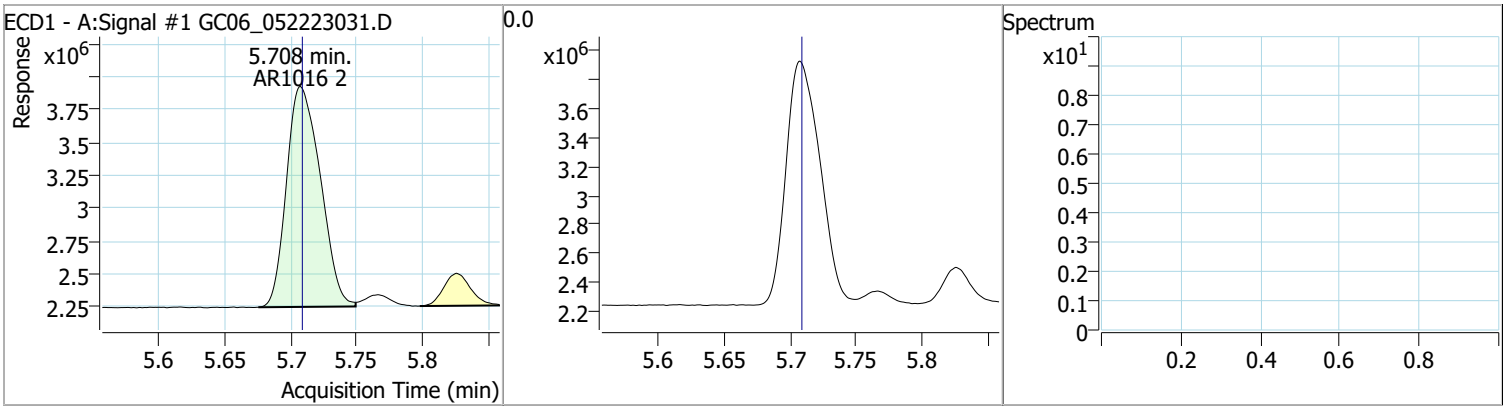
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	17.2571	5.35	0.00	7455082				



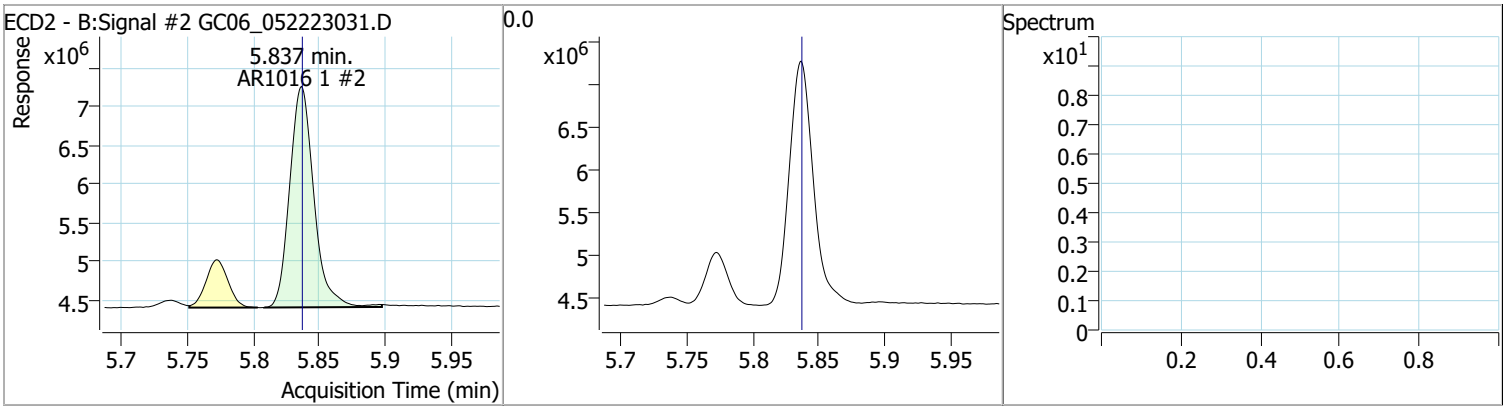
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	402.8922	5.37	0.00	1332421 (m)				



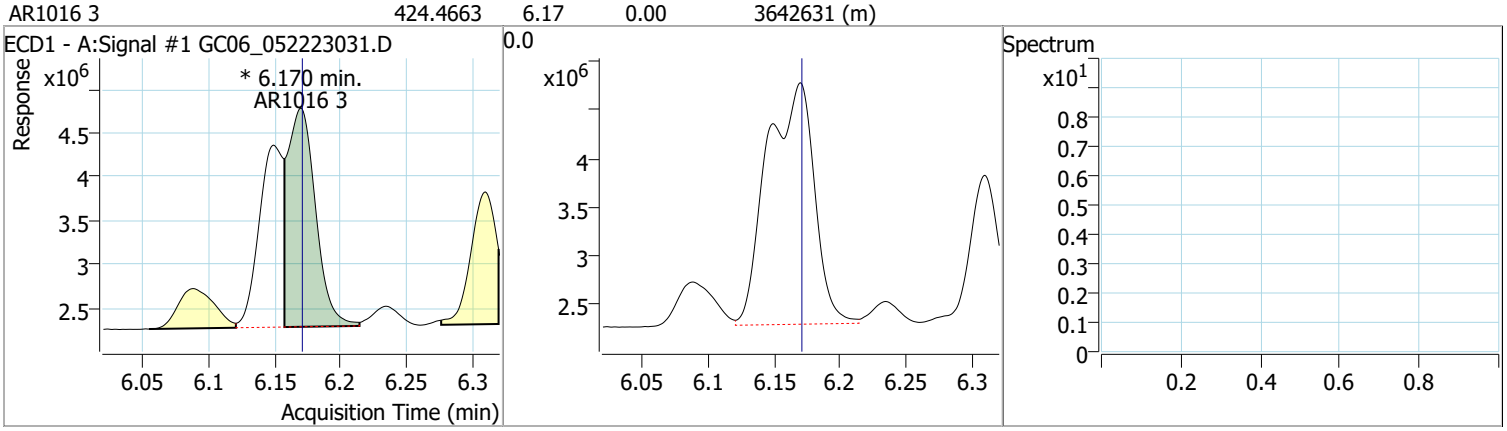
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	441.5635	5.71	0.00	2964714				



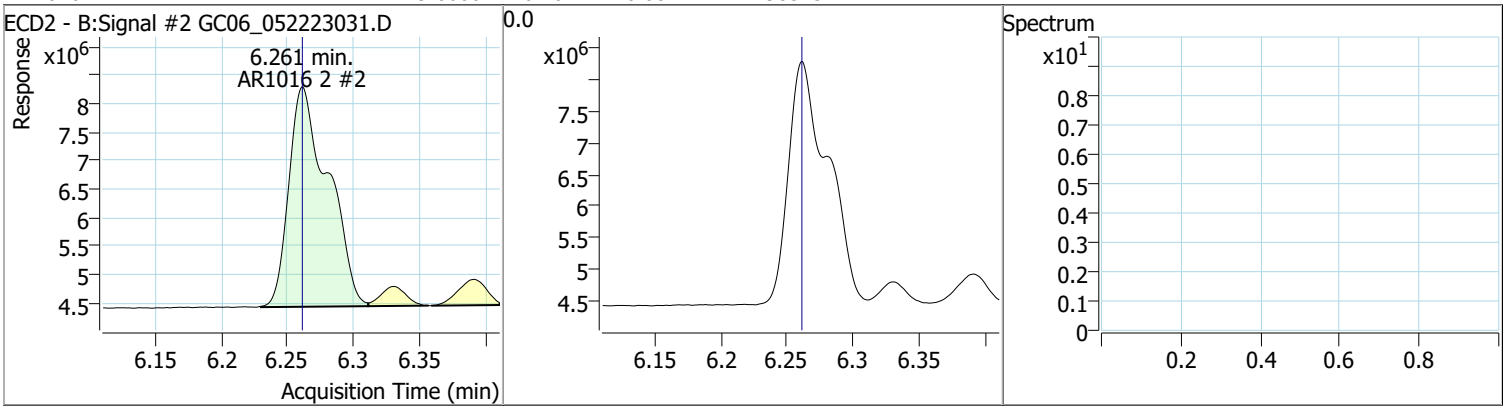
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	429.1921	5.84	0.00	3640724				



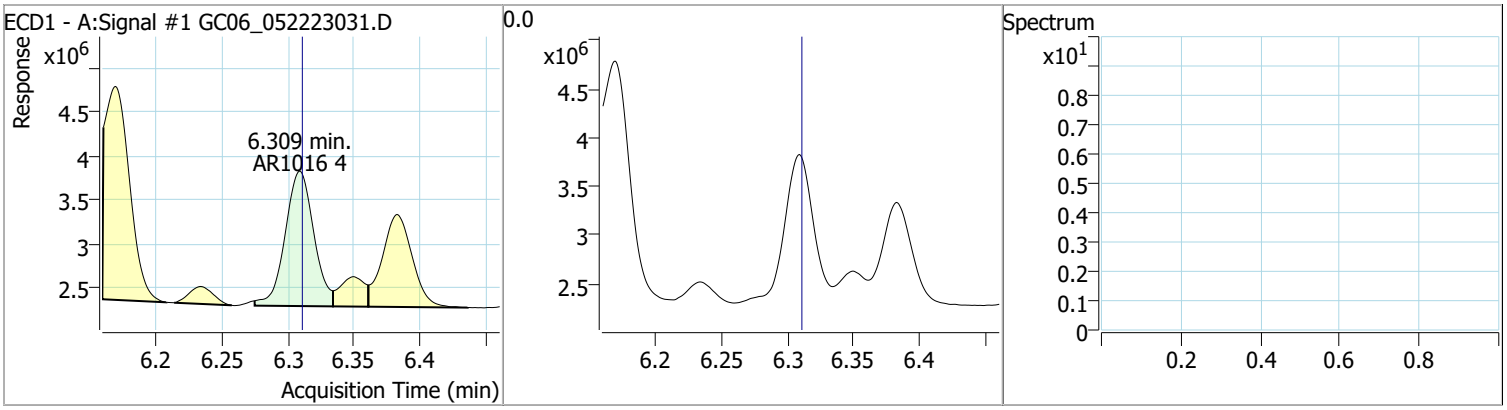
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	424.4663	6.17	0.00	3642631 (m)				



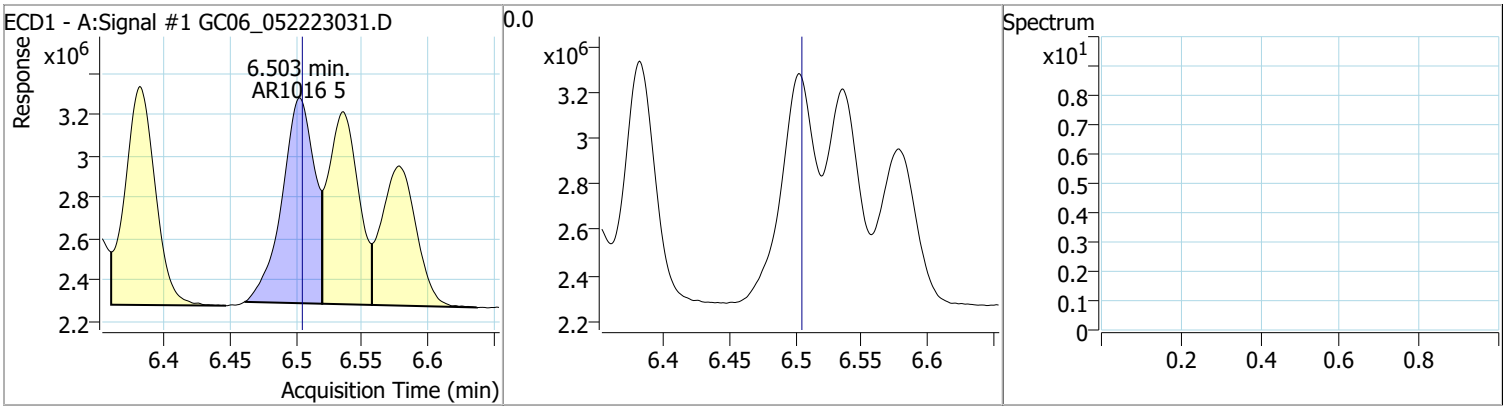
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	419.0600	6.26	0.00	7985254				



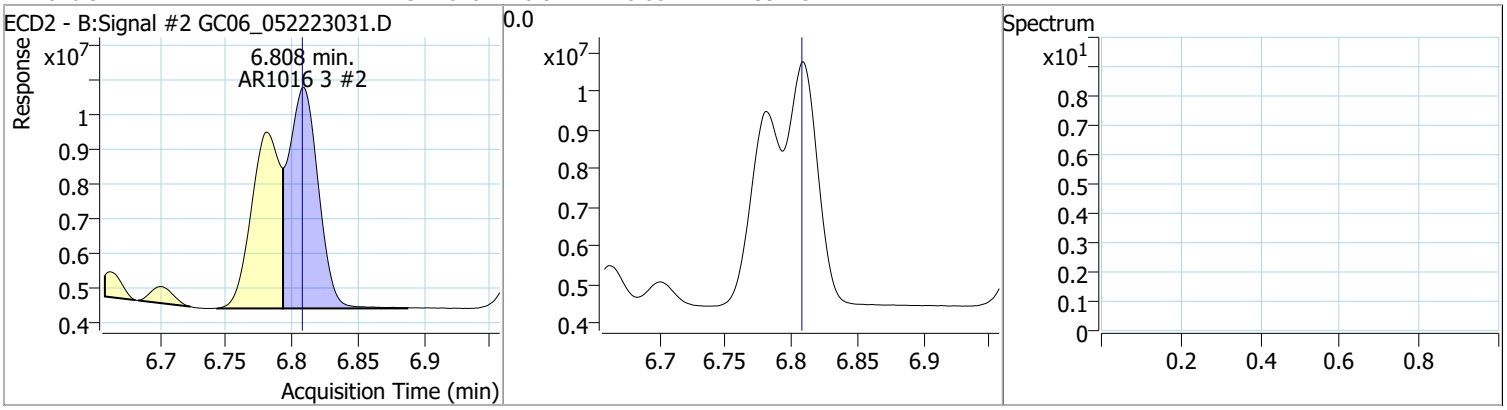
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	444.4953	6.31	0.00	2299147				



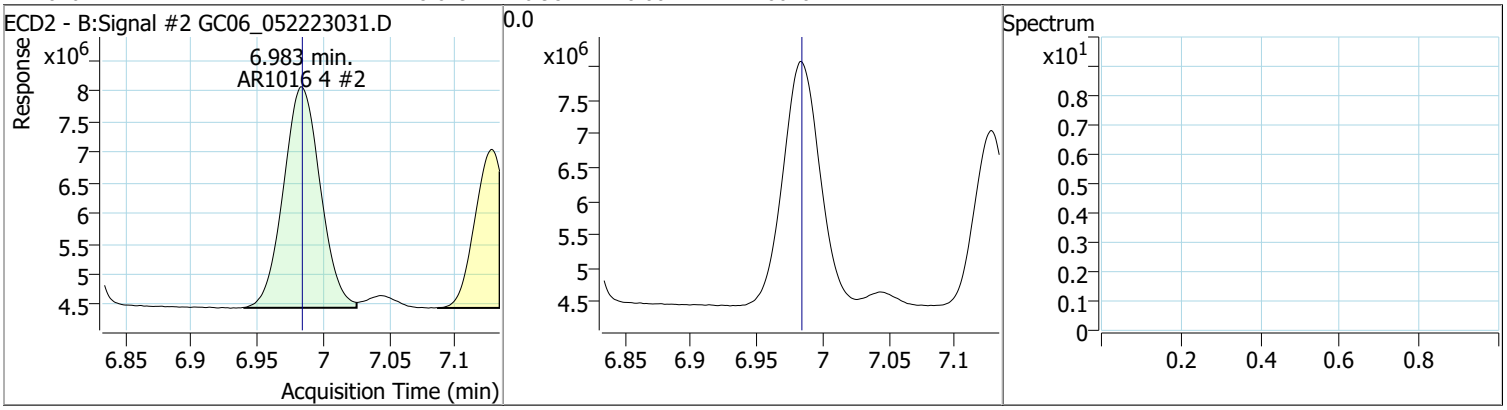
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	427.9434	6.50	0.00	1692918				



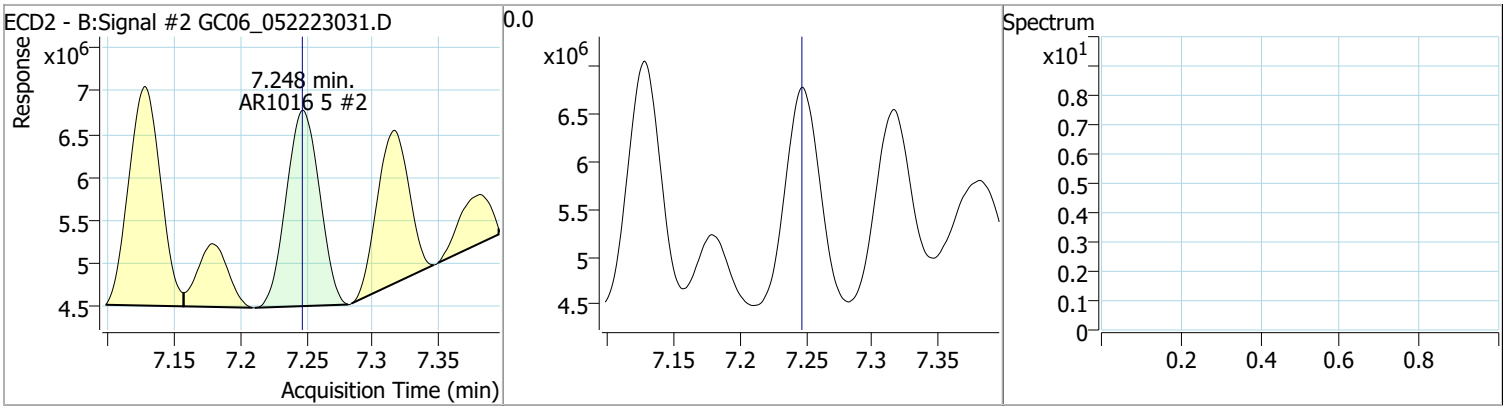
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	432.4020	6.81	0.00	9914511				



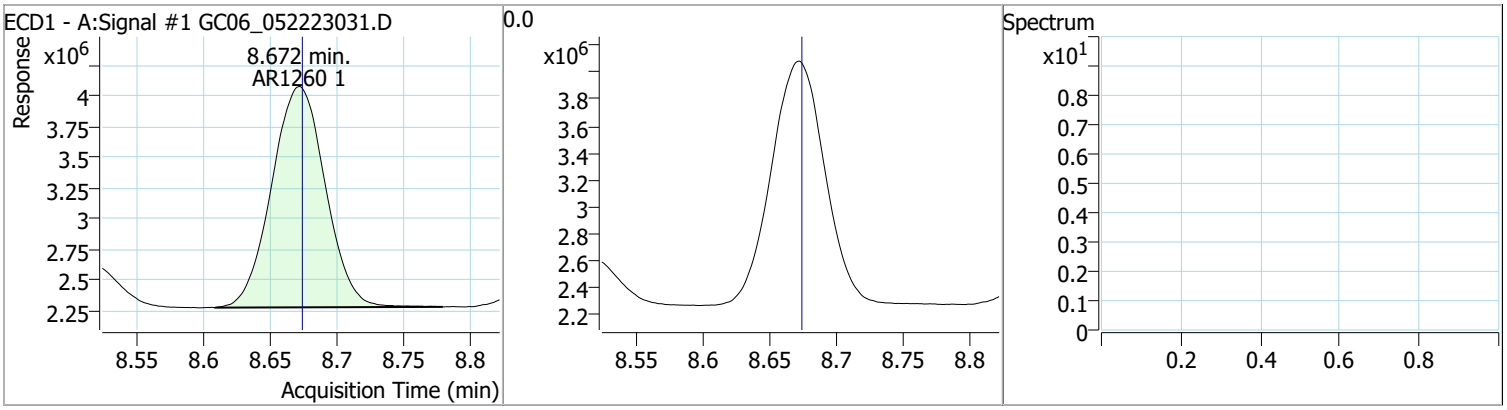
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	428.0494	6.98	0.00	7064071				



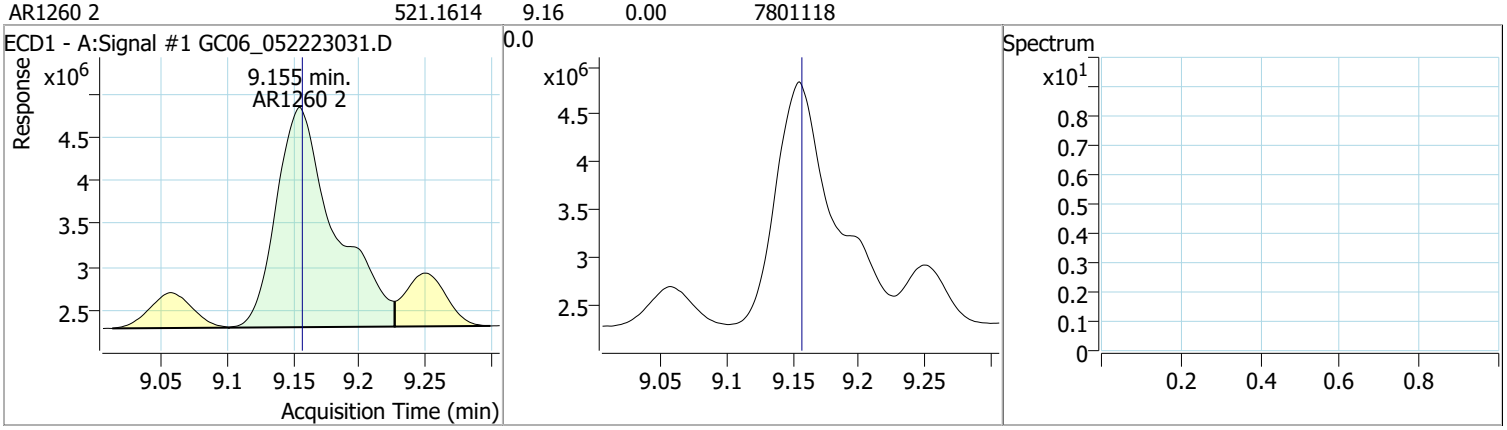
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	453.0992	7.25	0.00	3988595				



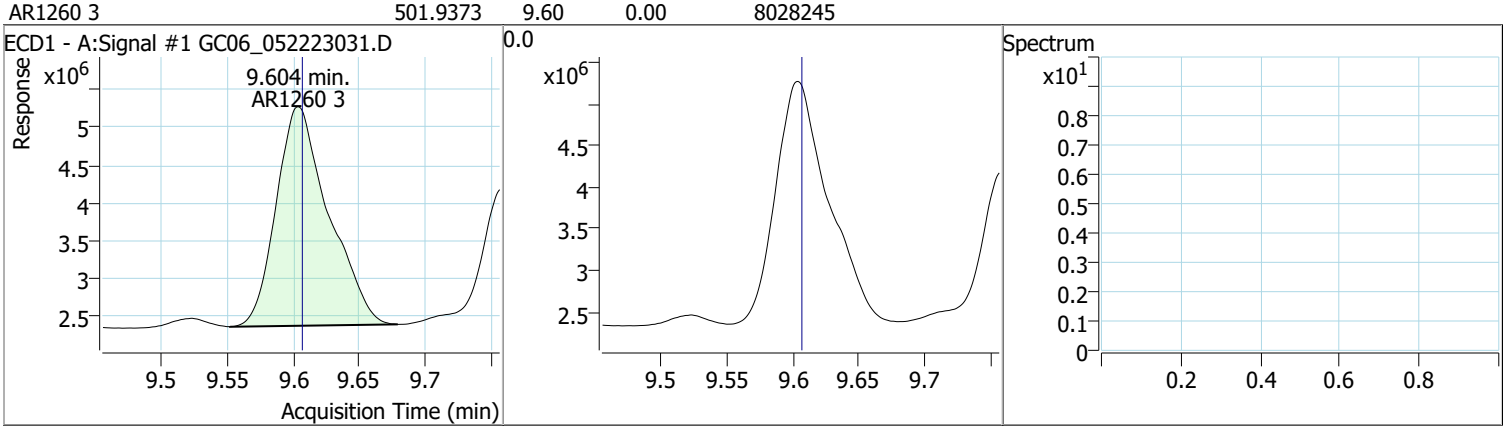
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	519.0721	8.67	0.00	5089637				



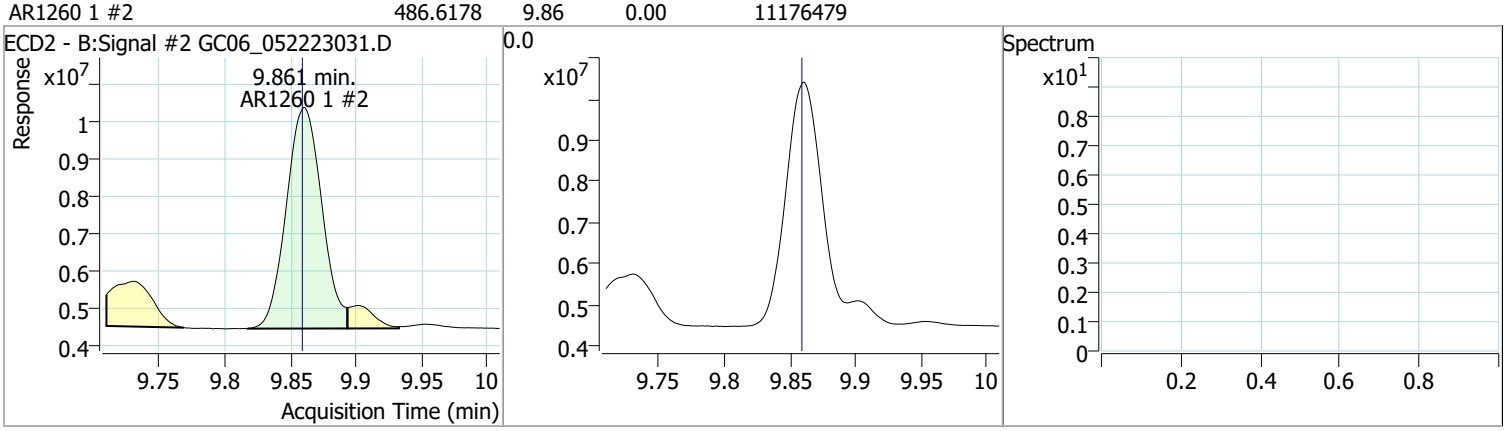
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	521.1614	9.16	0.00	7801118				



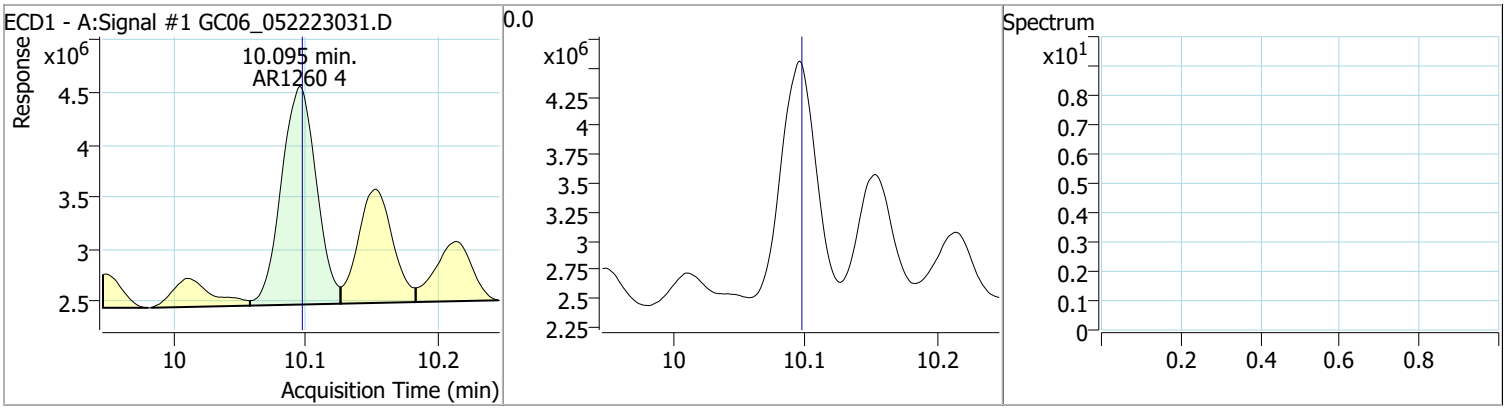
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	501.9373	9.60	0.00	8028245				



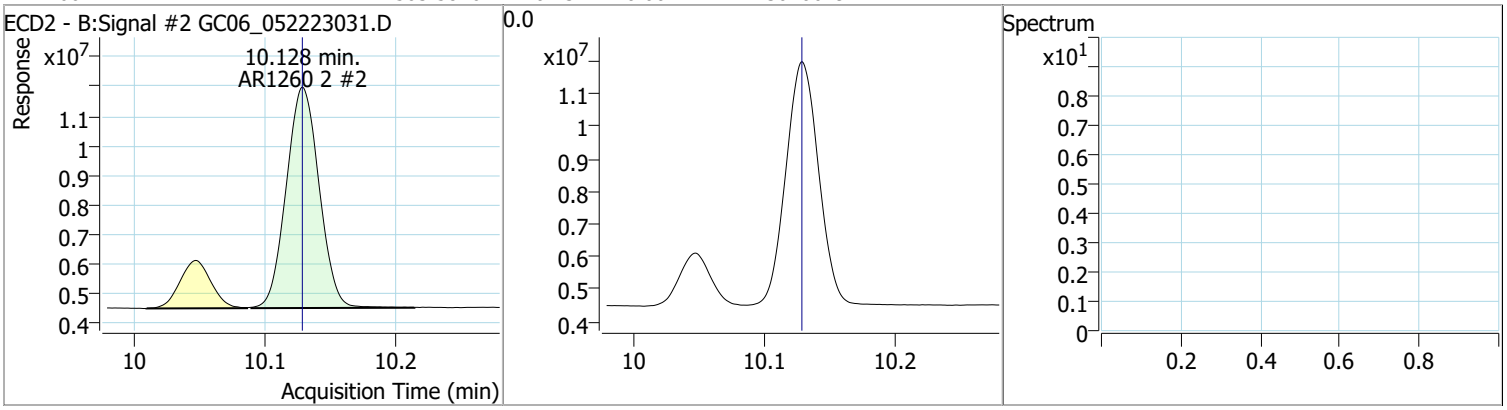
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	486.6178	9.86	0.00	11176479				



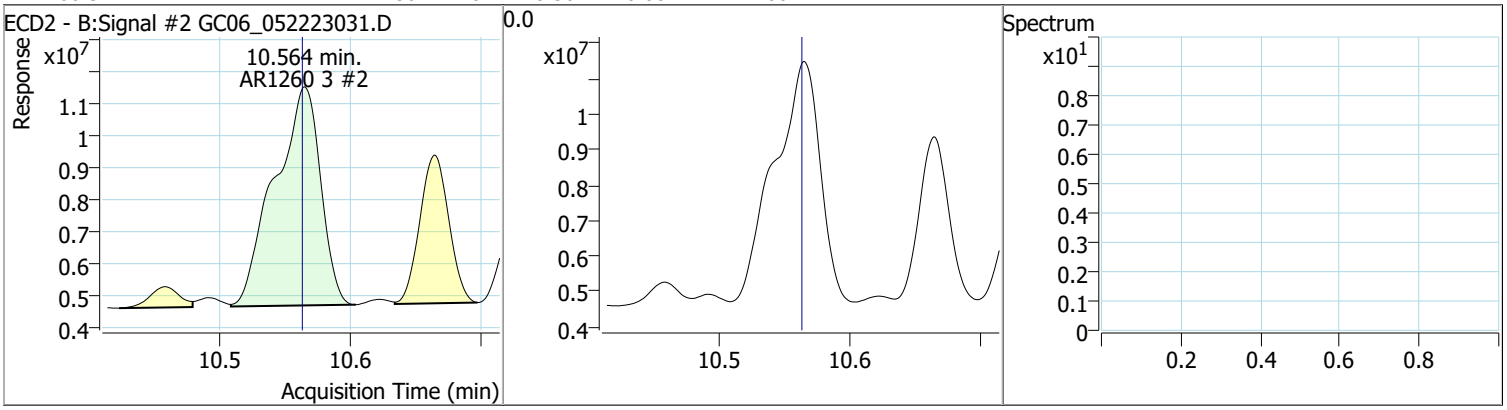
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	440.6434	10.10	0.00	3839798				



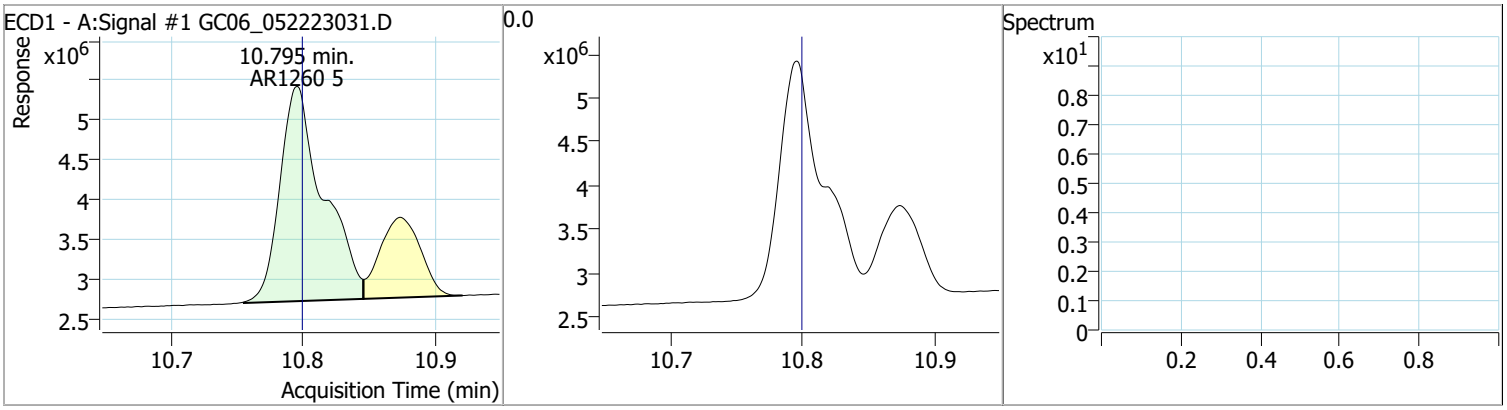
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	503.5826	10.13	0.00	13040619				



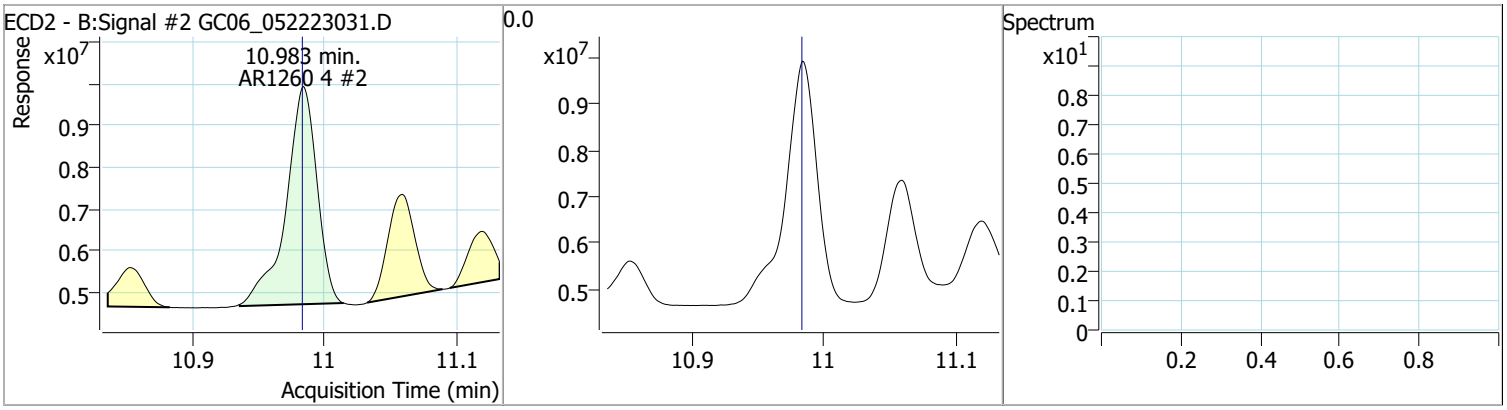
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	501.2718	10.56	0.00	16611472				



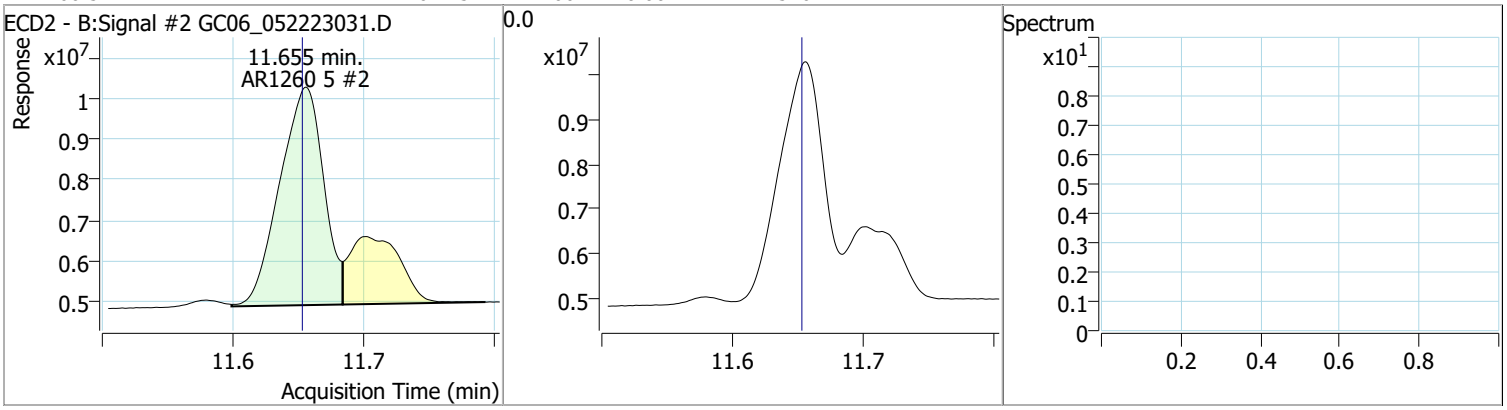
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	448.5989	10.80	0.00	6181033				



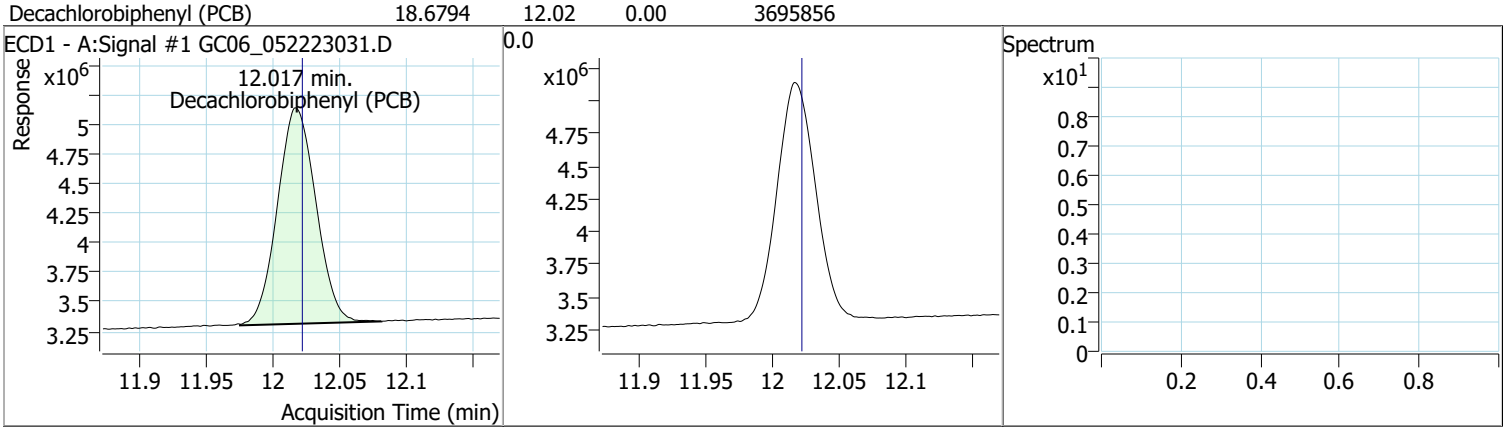
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	443.6775	10.98	0.00	8587879				



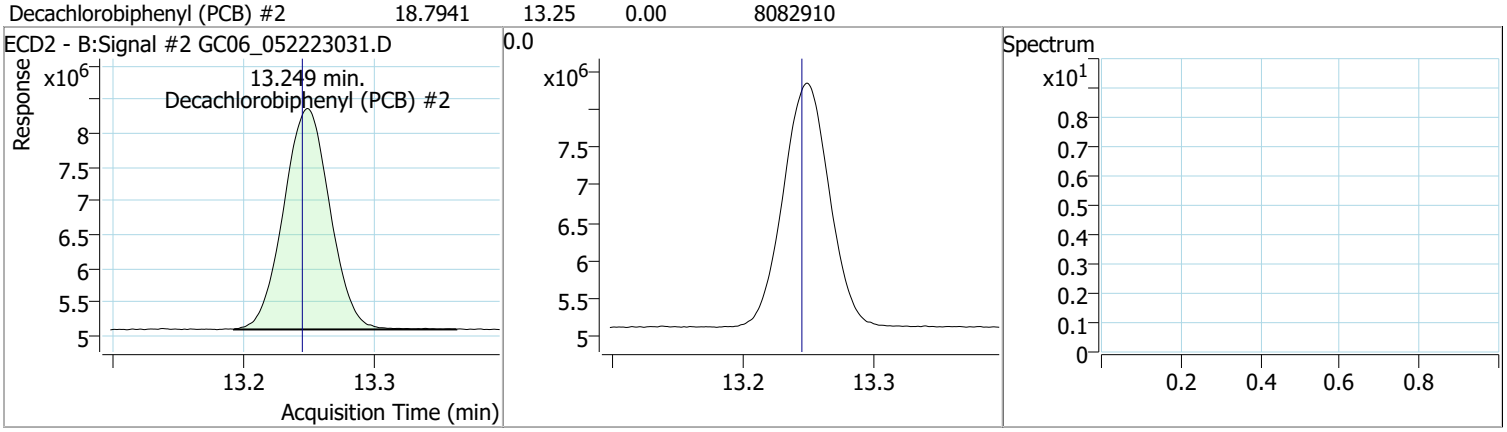
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	446.4757	11.66	0.00	12526222				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.6794	12.02	0.00	3695856				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	18.7941	13.25	0.00	8082910				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 492059 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453372148004.1	File:	gc06_091523004	Time:	15-SEP-2023 11:05
Cal:	453205686001	Caldate:	22-MAY-2023		

Standards: S18989

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	485.8	ug/L	-3	15	0.0000	
Aroclor-1260	A			500.0	506.2	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3346	1.3022	40.00	39.03	ug/L	-2	15	0.0000	
TCMX (PCB)	A	1.0658	0.9704	40.00	36.42	ug/L	-9	15	0.0000	
Aroclor-1016	B			500.0	450.9	ug/L	-10	15	0.0000	
Aroclor-1260	B			500.0	472.0	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0562	0.9868	40.00	37.37	ug/L	-7	15	0.0000	
TCMX (PCB)	B	1.0609	0.8924	40.00	33.65	ug/L	**-16**	15	0.0000	c-

ISTD (ICAL gc06_052223022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7279227	10054932	38.13
1-bromo-2-nitrobenzene (PCB)	A	2781470	3904319	40.37

09/15/23 : 500 PPB PCB CCV

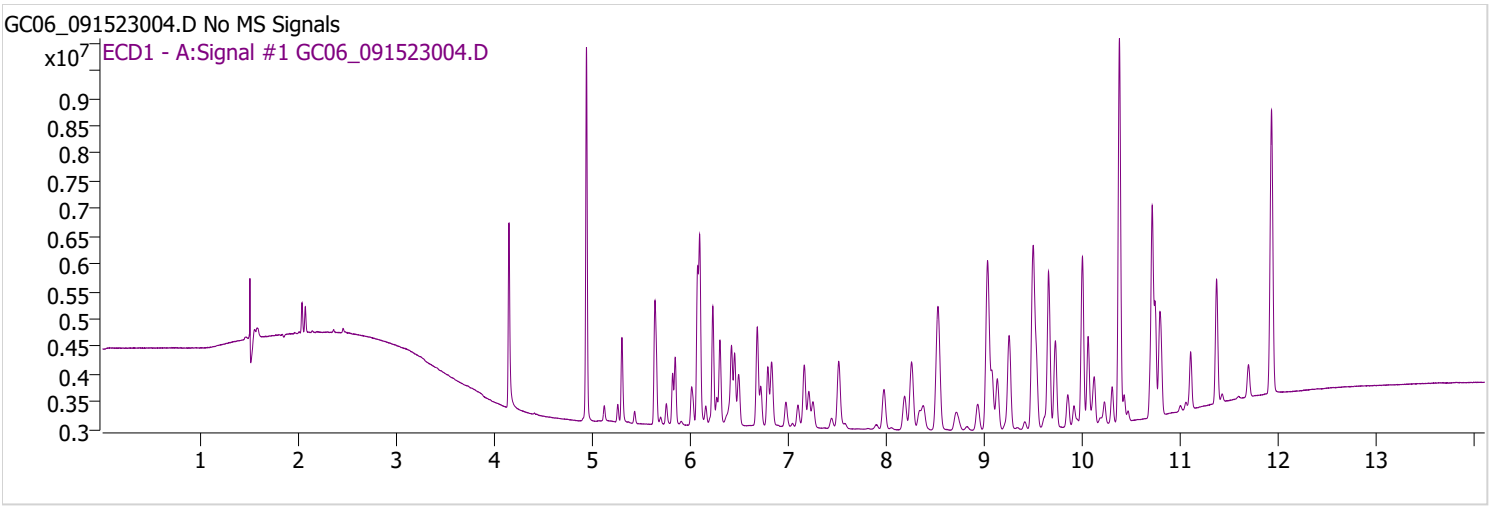
MES 09/19/23 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

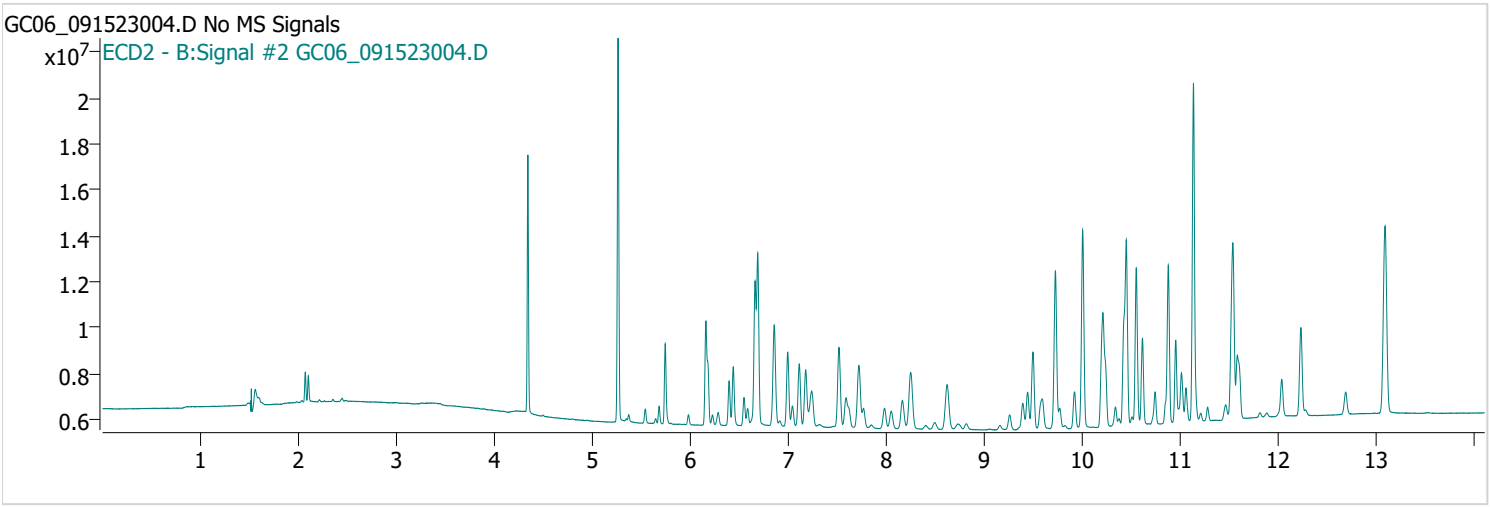
-=low bias c=CCV

Analyst: MES 09/19/23 **Reviewer:** MTS 09/19/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523004.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/15/2023 11:05:44 AM
Sample Name	CCV, S18989	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



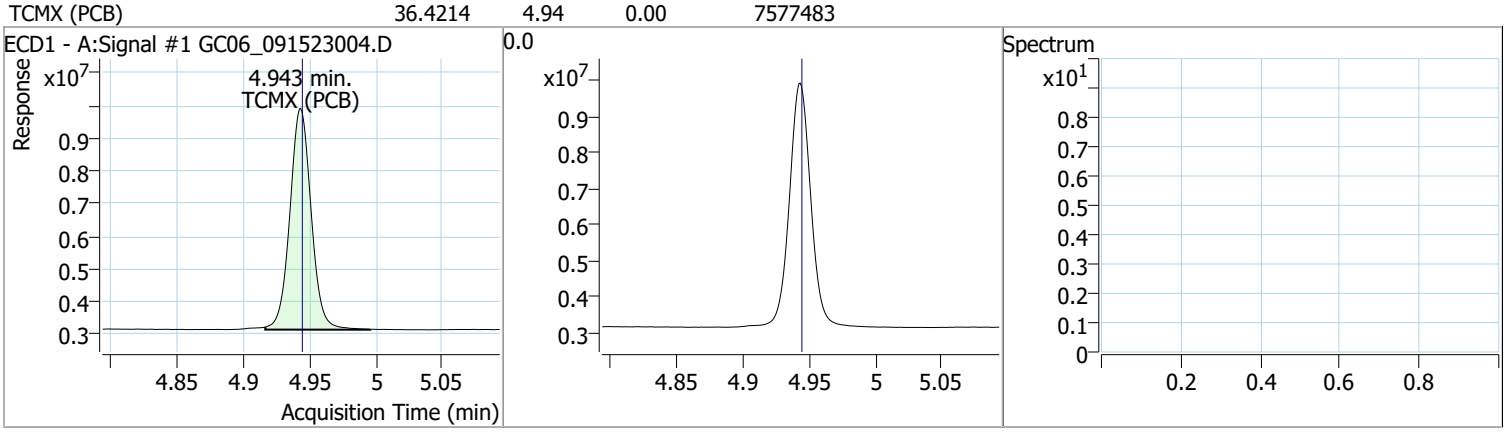


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.152	0.0	3904318.672	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	10054932.069	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	7577482.655	36.4214	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.11%		*	
S TCMX (PCB) #2	5.266	0.0	17946651.922	33.6478	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.24%		*	
S Decachlorobiphenyl (PCB)	11.942	0.0	10168360.689	39.0293	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.15%		*	
S Decachlorobiphenyl (PCB) #2	13.102	0.0	19843843.001	37.3714	ng/ml		0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.86%		*	
Target Compounds							QValue

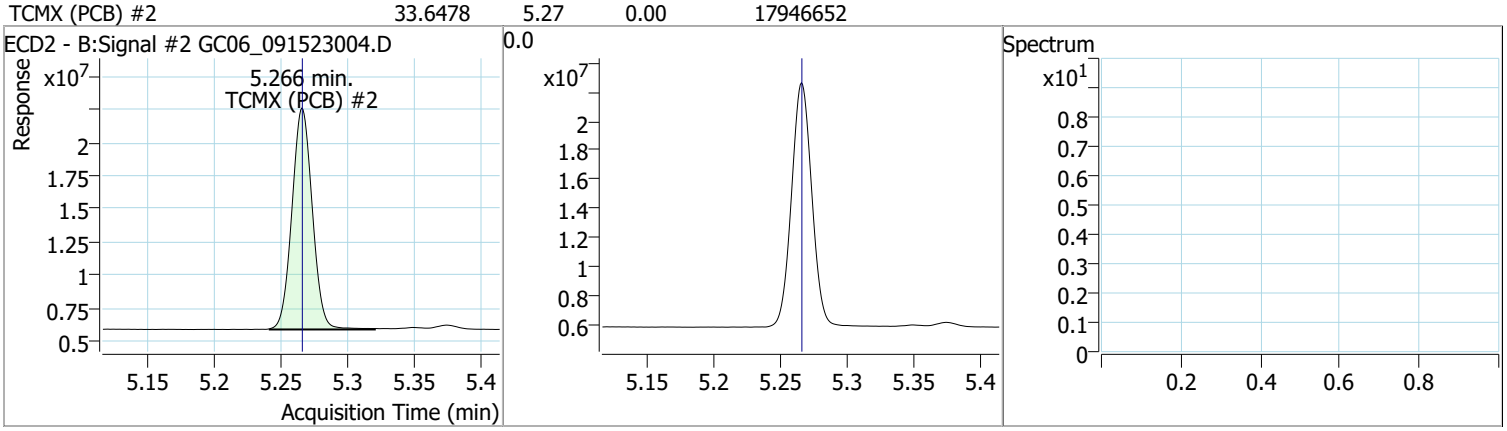
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.305	0.0	2028252.190	465.7590	ng/ml		100
T AR1016 2	5.643	0.0	3940094.901	445.6656	ng/ml		100
T AR1016 1 #2	5.748	0.0	4404828.186	420.5836	ng/ml		100
T AR1016 3	6.099	0.0	5214446.795	461.4539	ng/ml	m	100
T AR1016 2 #2	6.163	0.0	9009403.222	382.9506	ng/ml		100
T AR1016 4	6.234	0.0	3171734.638	465.6820	ng/ml		100
T AR1016 5	6.688	0.0	3075688.043	590.4522	ng/ml		100
T AR1016 3 #2	6.693	0.0	11542324.793	407.7265	ng/ml		100
T AR1016 4 #2	6.861	0.0	8327892.005	408.7269	ng/ml		100
T AR1016 5 #2	7.523	0.0	6895332.807	634.4361	ng/ml		100
T AR1260 1	8.533	0.0	6336117.416	490.7453	ng/ml		100
T AR1260 2	9.041	0.0	9707464.463	492.5080	ng/ml		100
T AR1260 3	9.507	0.0	9914266.110	470.7404	ng/ml		100
T AR1260 1 #2	9.733	0.0	12758509.429	449.9272	ng/ml		100
T AR1260 4	10.010	0.0	5721693.884	498.6498	ng/ml		100
T AR1260 2 #2	10.012	0.0	15107177.940	472.5145	ng/ml		100
T AR1260 3 #2	10.458	0.0	19213099.937	469.5933	ng/ml		100
T AR1260 5	10.723	0.0	10489731.483	578.1674	ng/ml		100
T AR1260 4 #2	10.887	0.0	11208496.258	469.0165	ng/ml		100
T AR1260 5 #2	11.546	0.0	17282369.574	498.9308	ng/ml		100

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

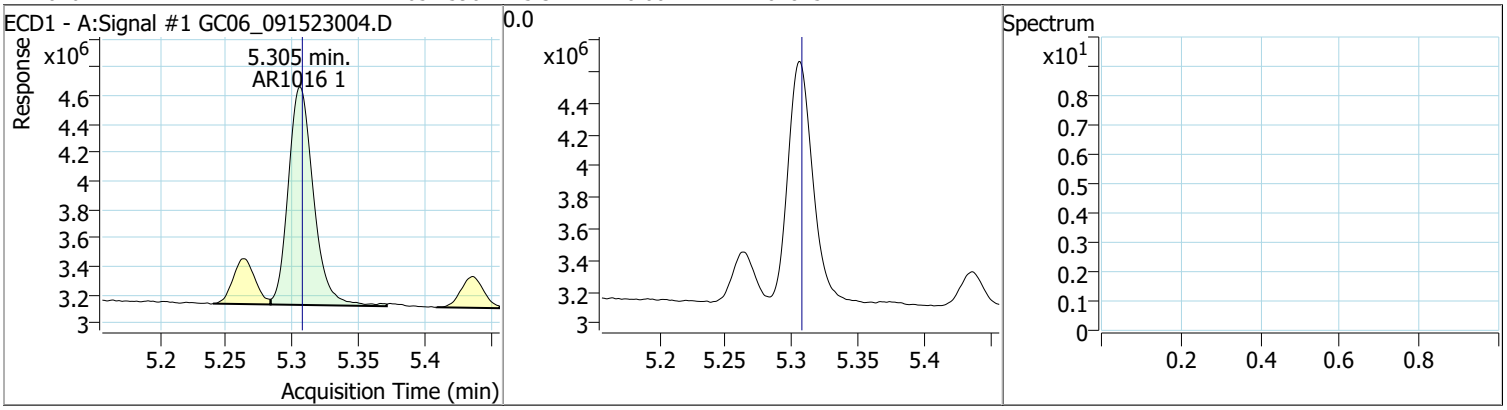
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.4214	4.94	0.00	7577483				



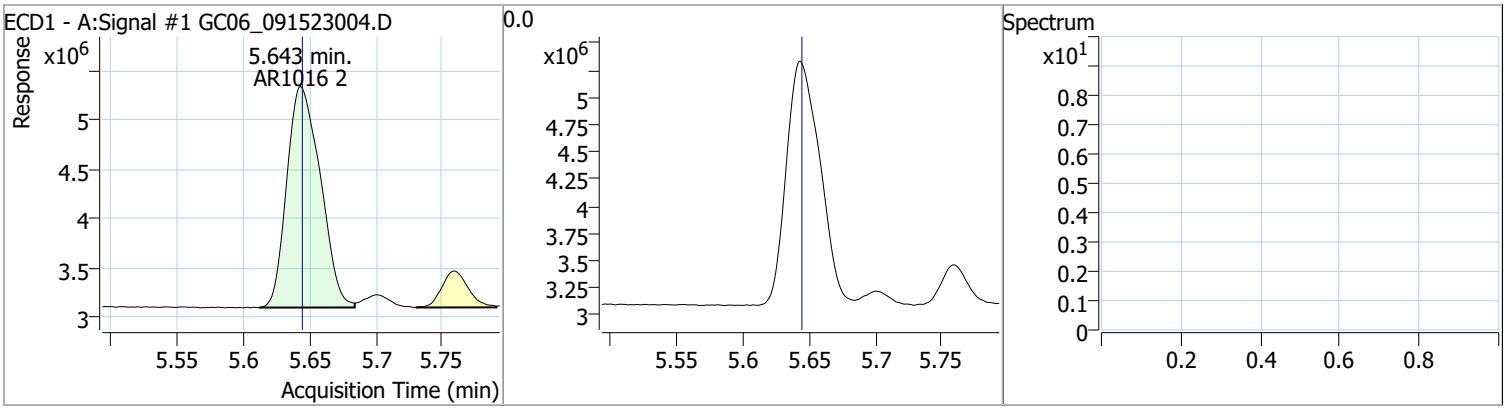
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.6478	5.27	0.00	17946652				



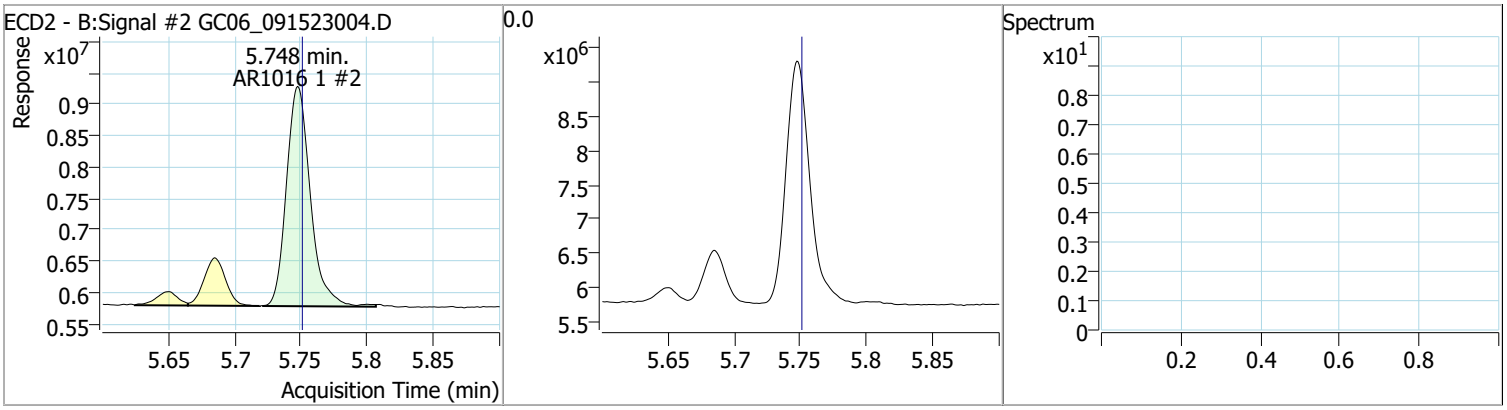
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	465.7590	5.31	0.00	2028252				



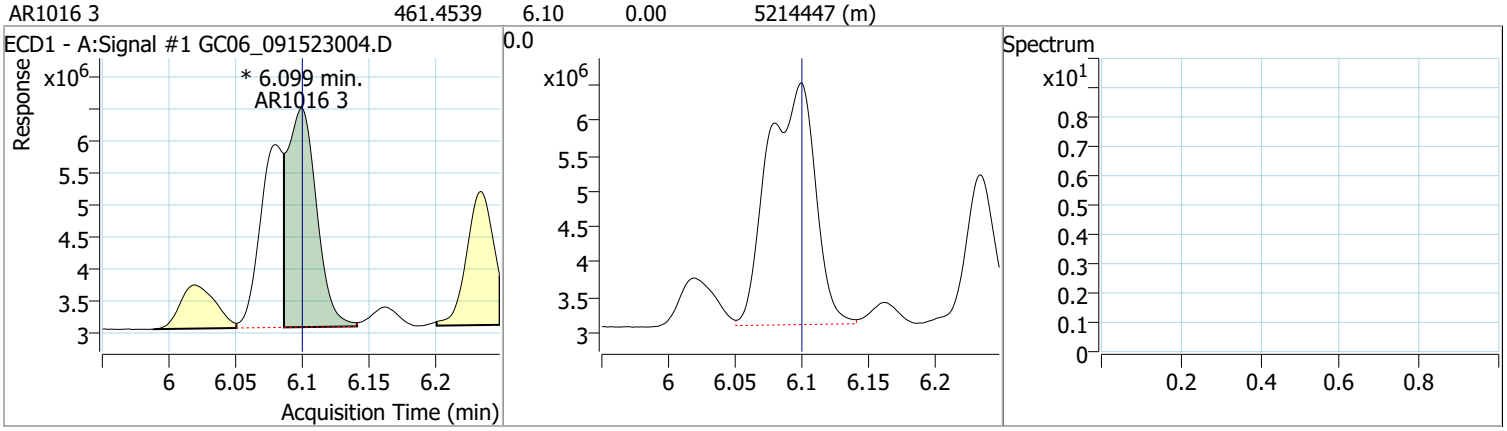
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	445.6656	5.64	0.00	3940095				



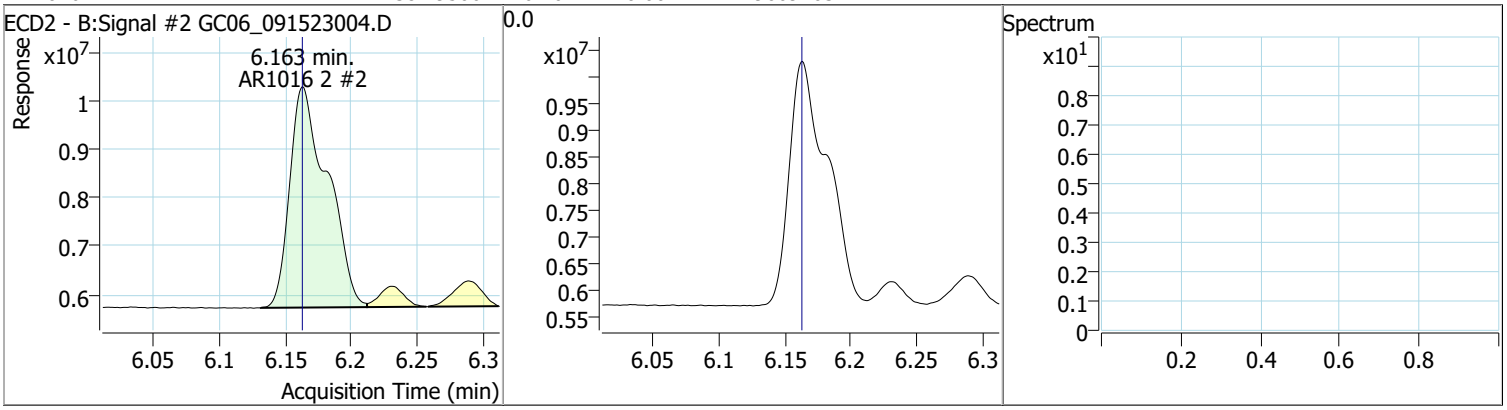
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	420.5836	5.75	0.00	4404828				



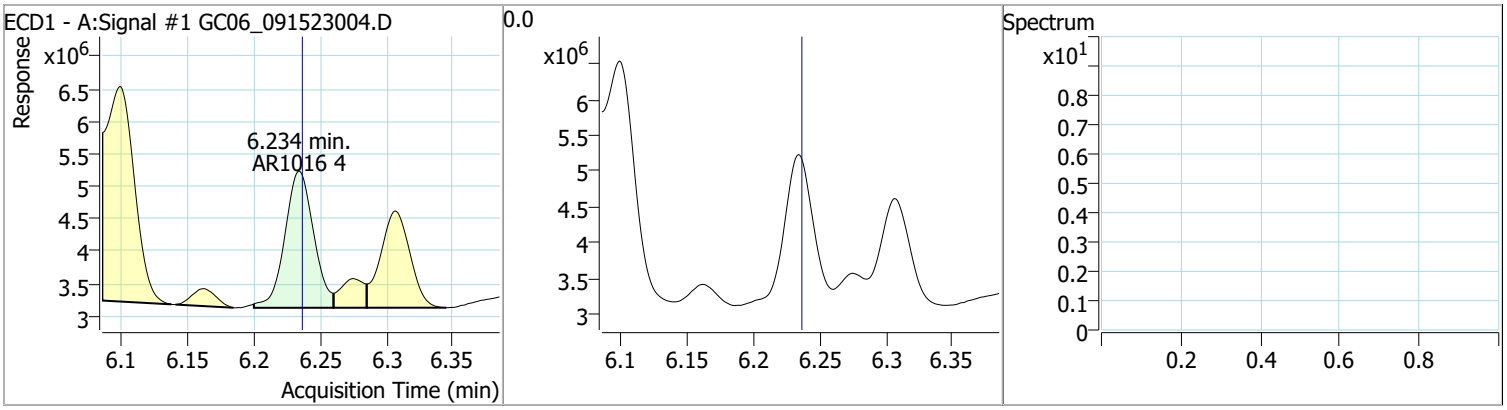
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	461.4539	6.10	0.00	5214447 (m)				



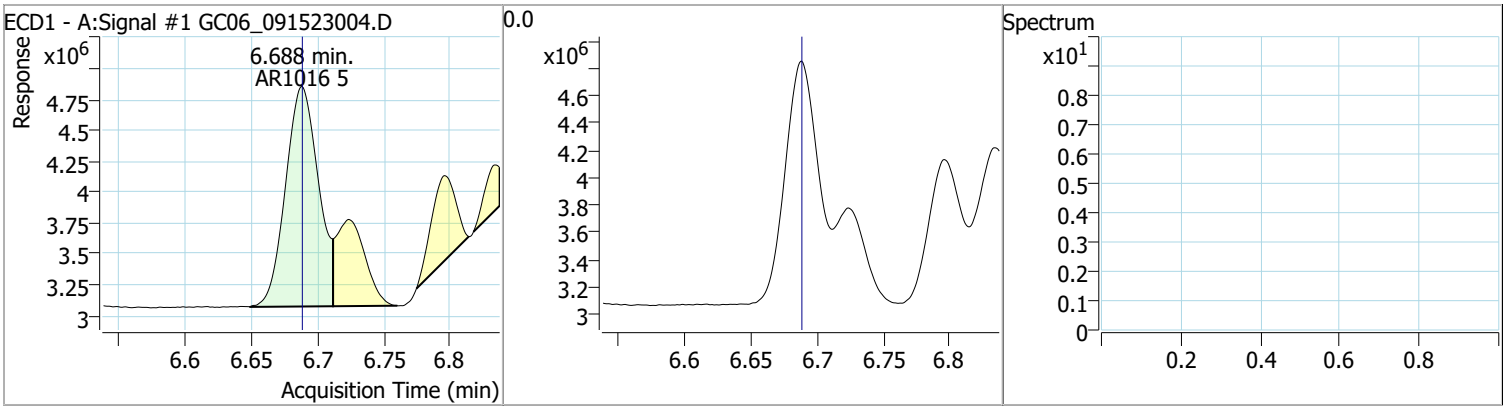
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	382.9506	6.16	0.00	9009403				



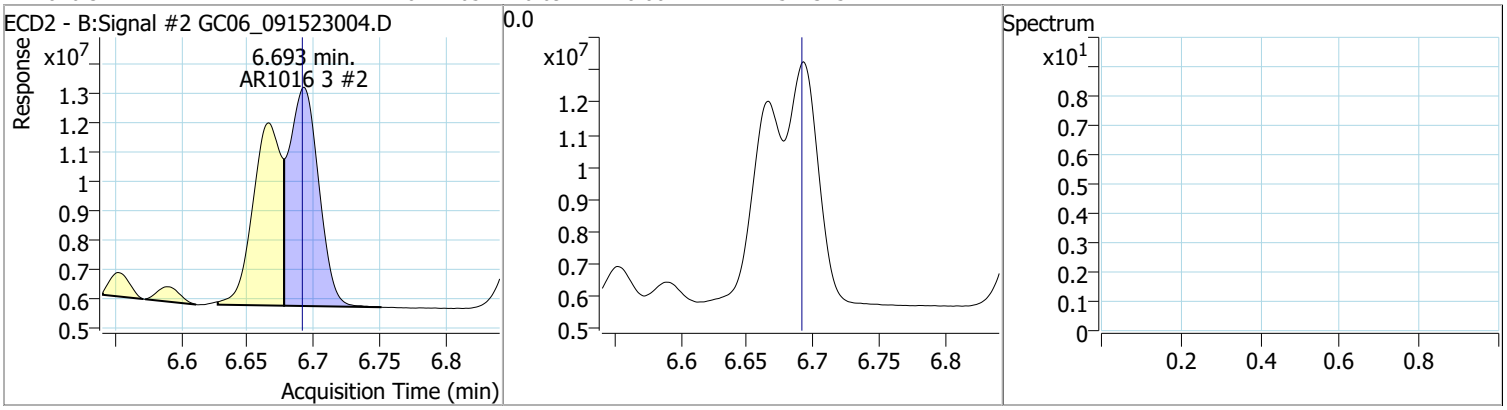
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	465.6820	6.23	0.00	3171735				



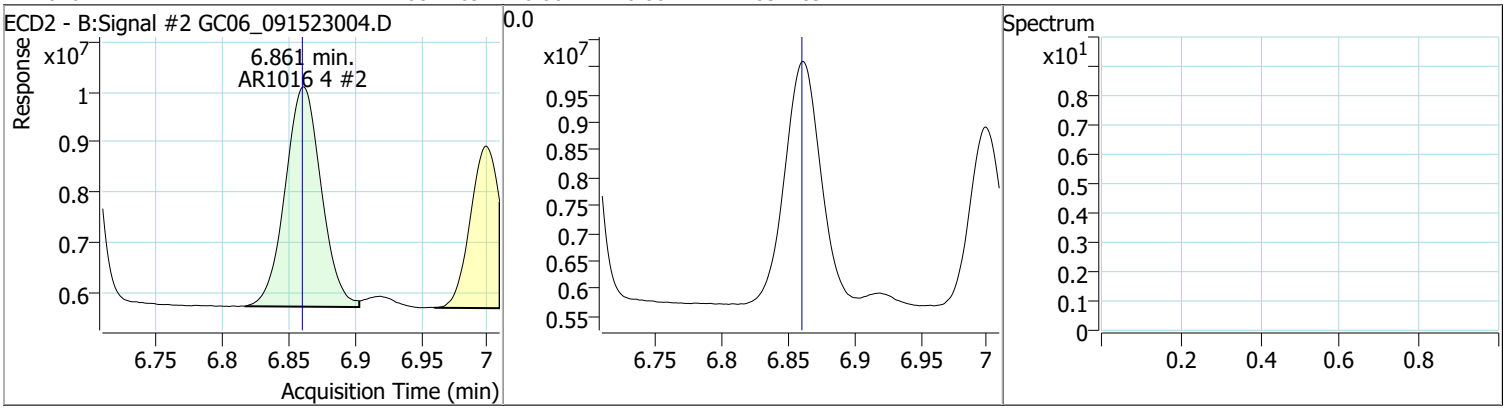
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	590.4522	6.69	0.00	3075688				



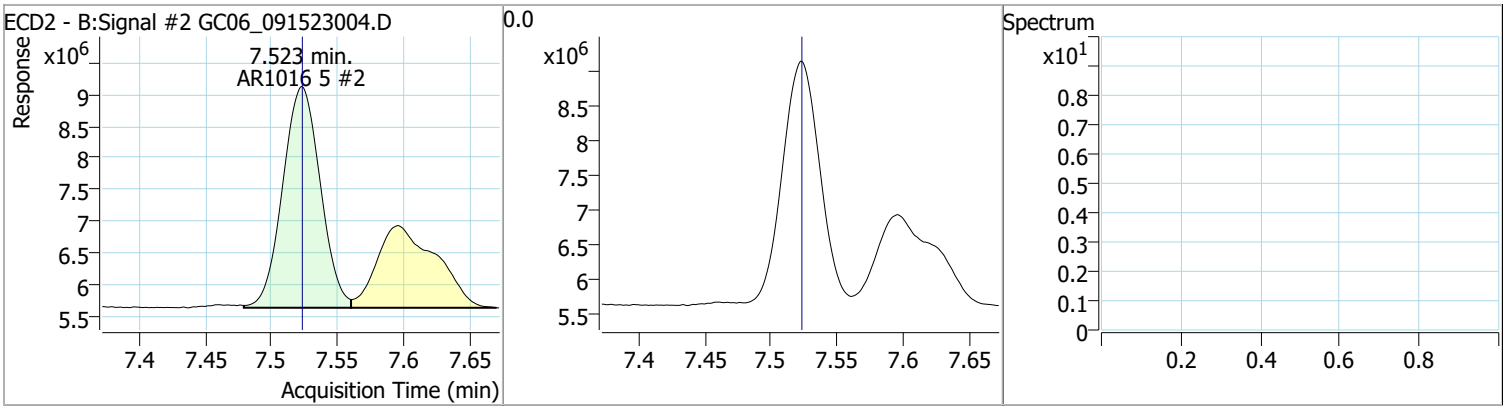
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	407.7265	6.69	0.00	11542325				



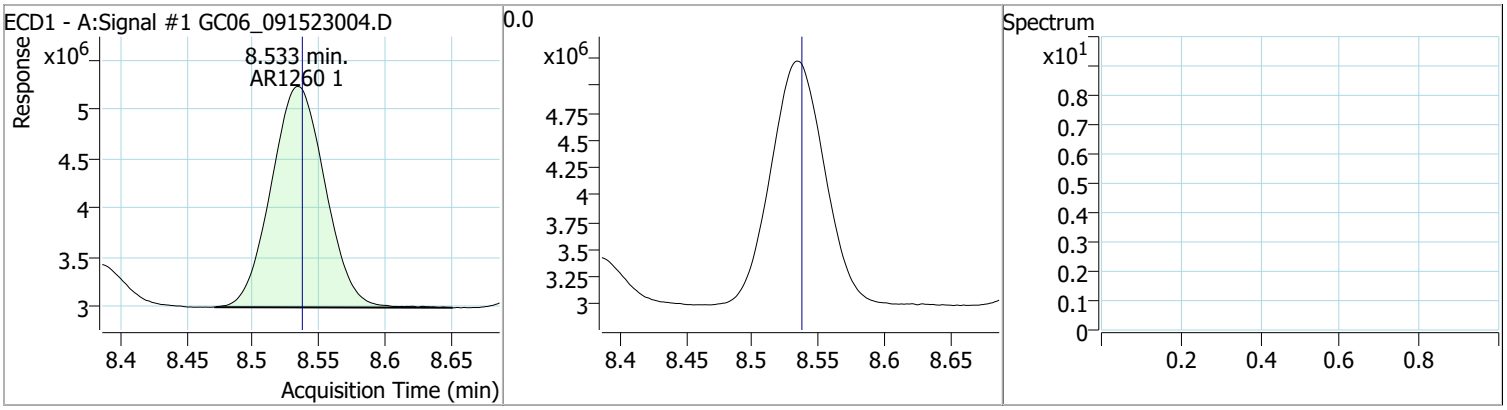
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	408.7269	6.86	0.00	8327892				



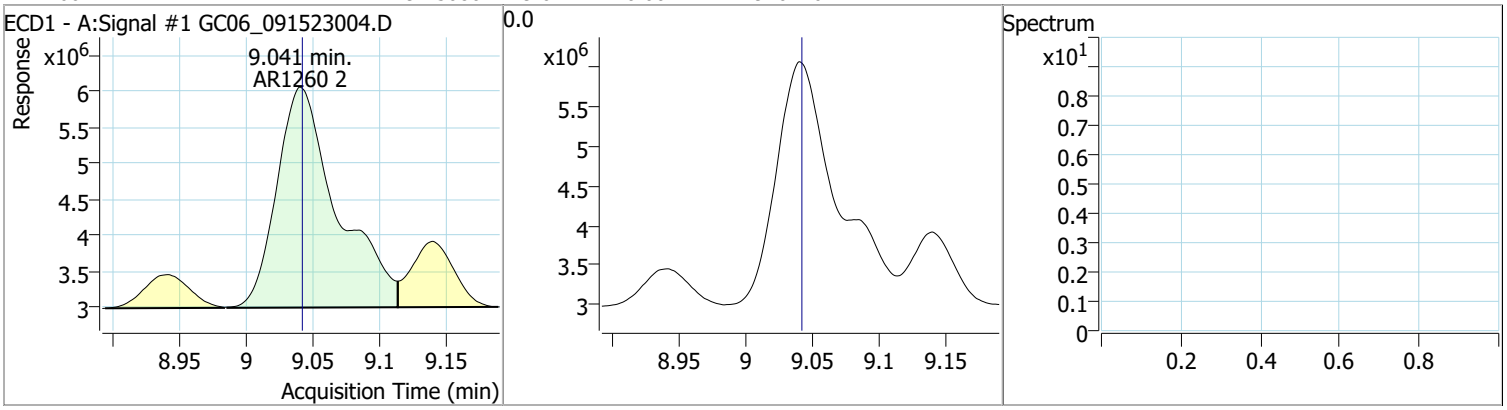
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	634.4361	7.52	0.00	6895333				



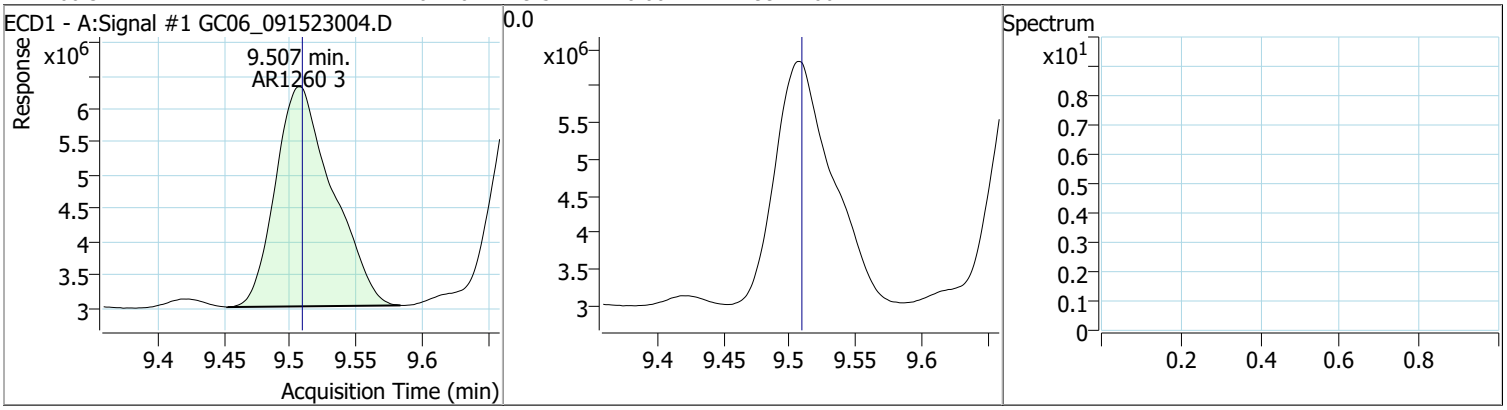
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	490.7453	8.53	0.00	6336117				



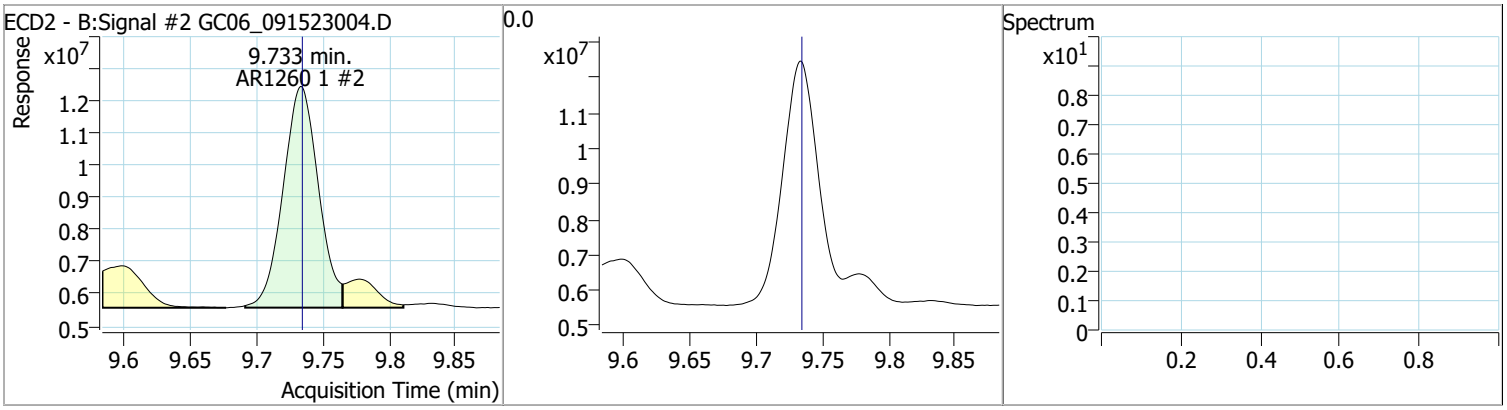
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	492.5080	9.04	0.00	9707464				



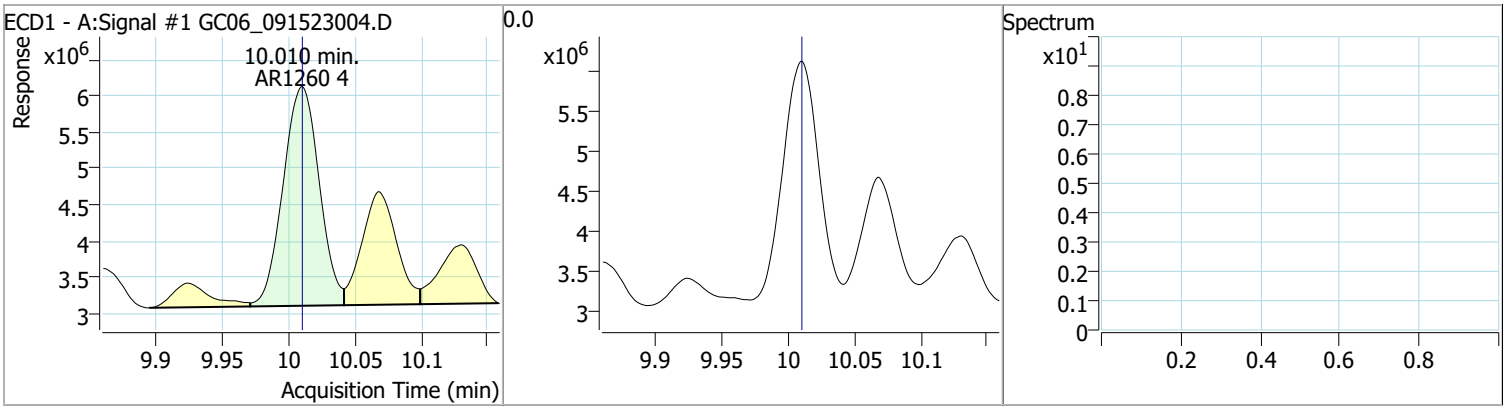
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	470.7404	9.51	0.00	9914266				



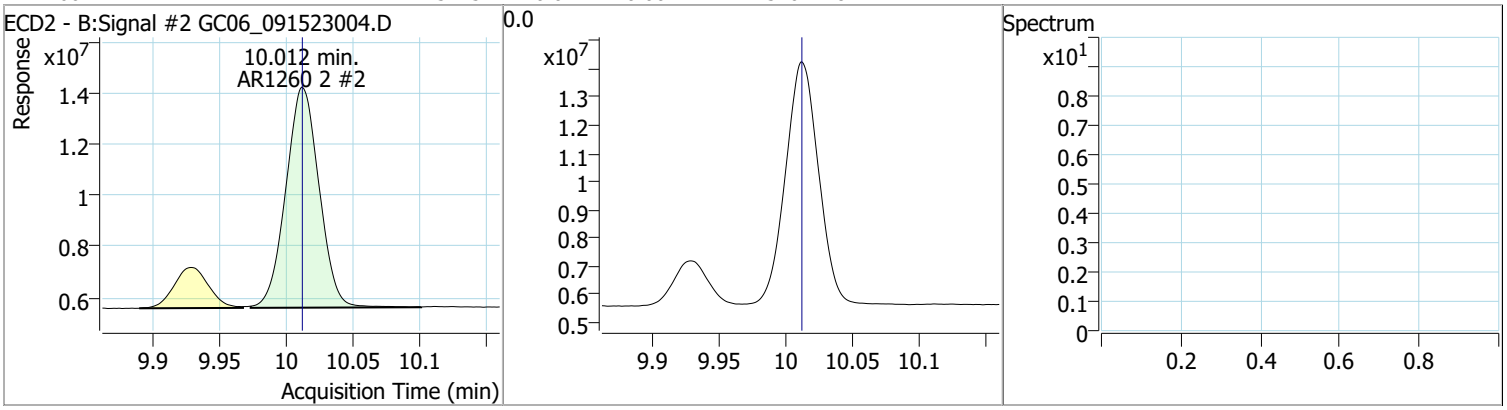
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	449.9272	9.73	0.00	12758509				



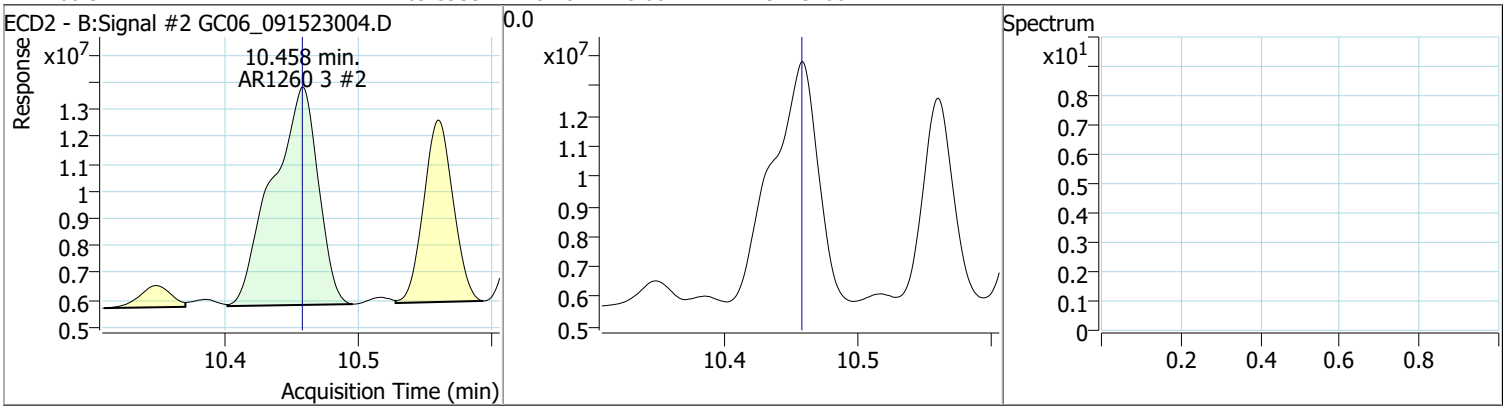
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	498.6498	10.01	0.00	5721694				



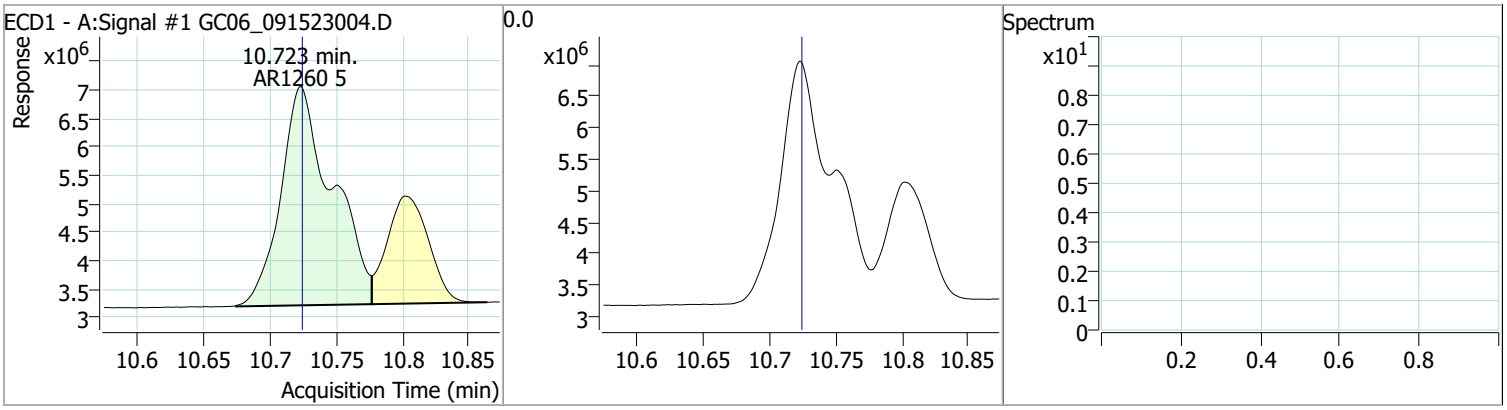
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	472.5145	10.01	0.00	15107178				



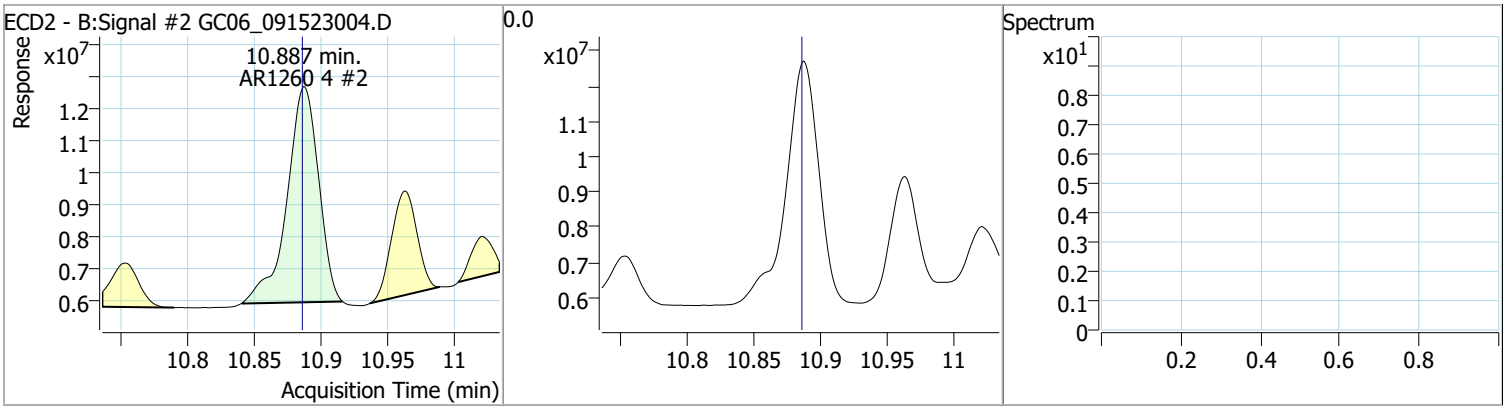
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	469.5933	10.46	0.00	19213100				



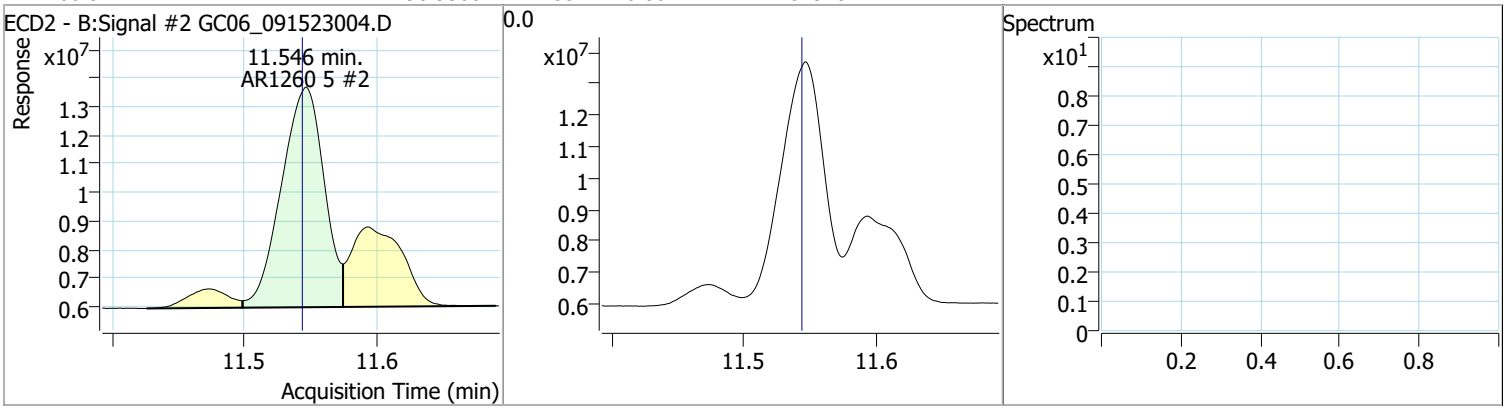
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	578.1674	10.72	0.00	10489731				



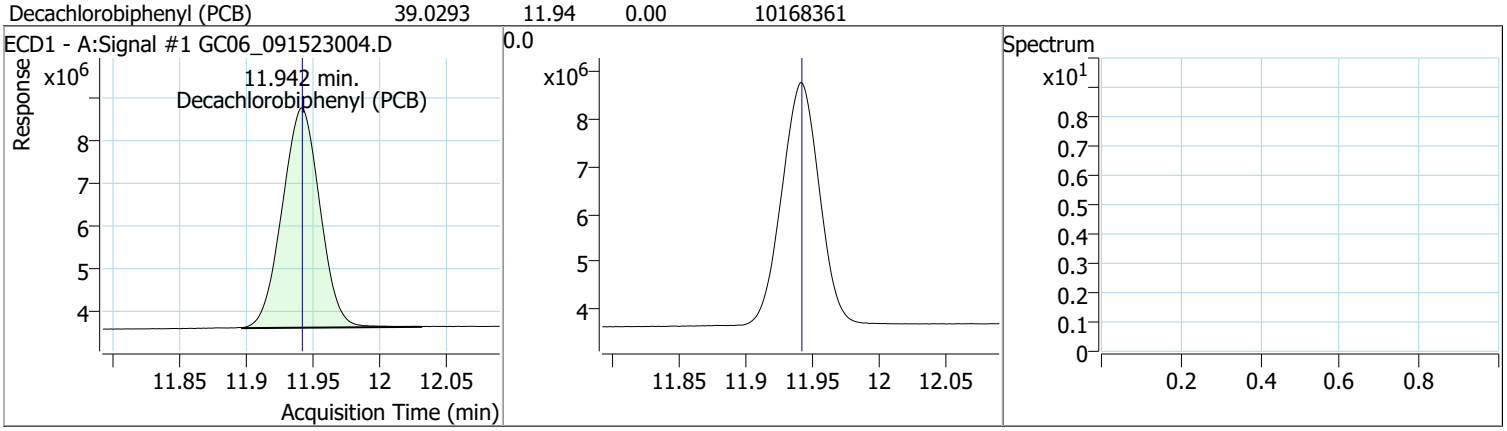
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	469.0165	10.89	0.00	11208496				



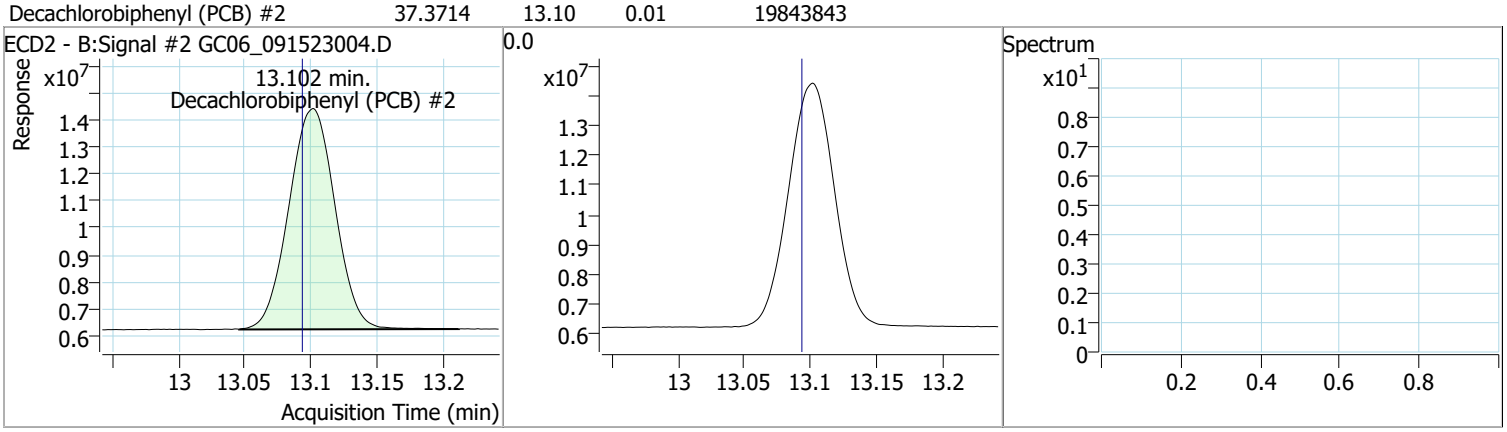
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	498.9308	11.55	0.00	17282370				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.0293	11.94	0.00	10168361				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.3714	13.10	0.01	19843843				



ENTHALPY CONTINUING CALIBRATION FOR 492059 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	453372148043.1	File:	gc06_091523043	Time:	15-SEP-2023 23:19
Cal:	453205686001	Caldate:	22-MAY-2023		

Standards: S18989

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	549.8	ug/L	10	15	0.0000	
Aroclor-1260	A			500.0	485.1	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3346	0.8197	40.00	24.57	ug/L	**-39**	15	0.0000	c-
TCMX (PCB)	A	1.0658	0.7286	40.00	27.35	ug/L	**-32**	15	0.0000	c-
Aroclor-1016	B			500.0	545.3	ug/L	9	15	0.0000	
Aroclor-1260	B			500.0	489.3	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0562	0.6484	40.00	24.56	ug/L	**-39**	15	0.0000	c-
TCMX (PCB)	B	1.0609	0.6952	40.00	26.21	ug/L	**-34**	15	0.0000	c-

ISTD (ICAL gc06_052223022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7279227	12178827	67.31
1-bromo-2-nitrobenzene (PCB)	A	2781470	5027098	80.74

09/18/23 : 500 PPB PCB CCV

MES 09/19/23 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

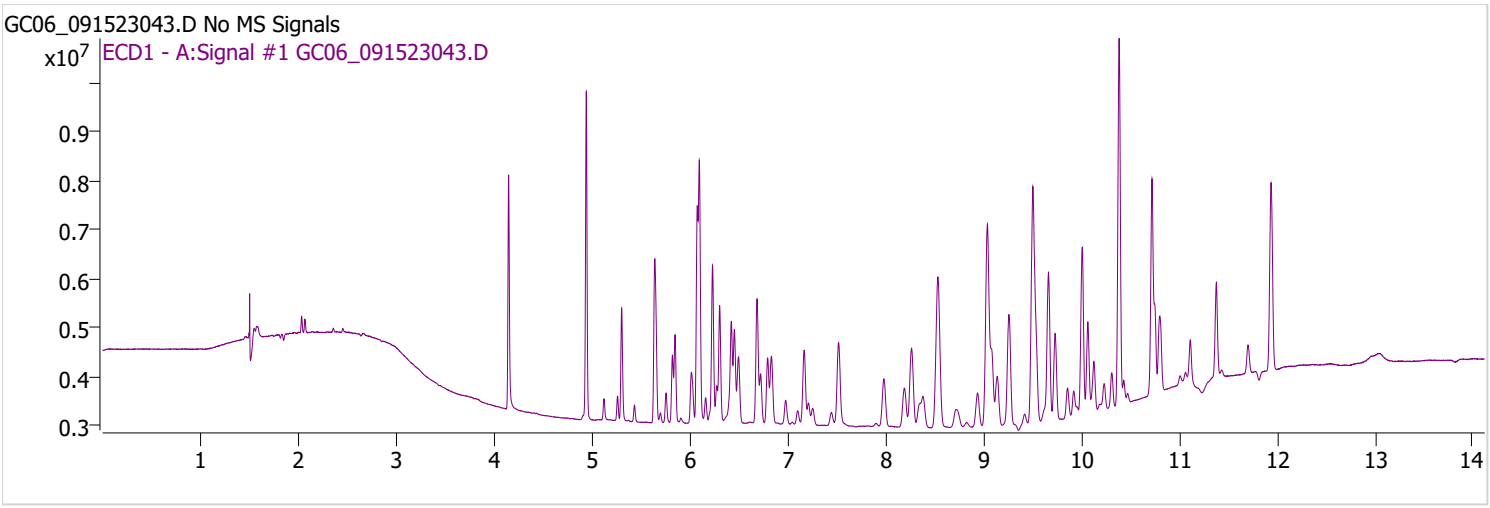
TRN 09/19/23 [Aroclor-1260 B]: Corrected fronting or tailing peak integration for Ch. B.

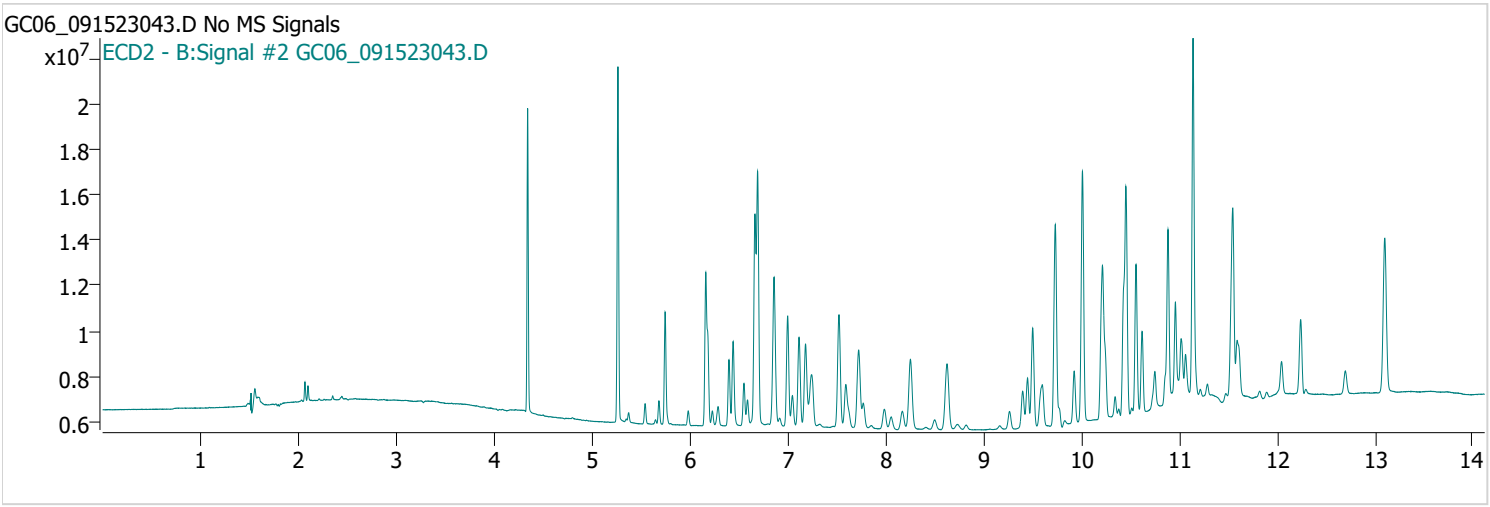
-=low bias c=CCV

Reviewed By: MES 09/19/23 *, TRN 09/19/23, MTS 09/20/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_091523043.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	9/15/2023 11:19:43 PM
Sample Name	CCV, S18989	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_052323_GC06_65.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	091523PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



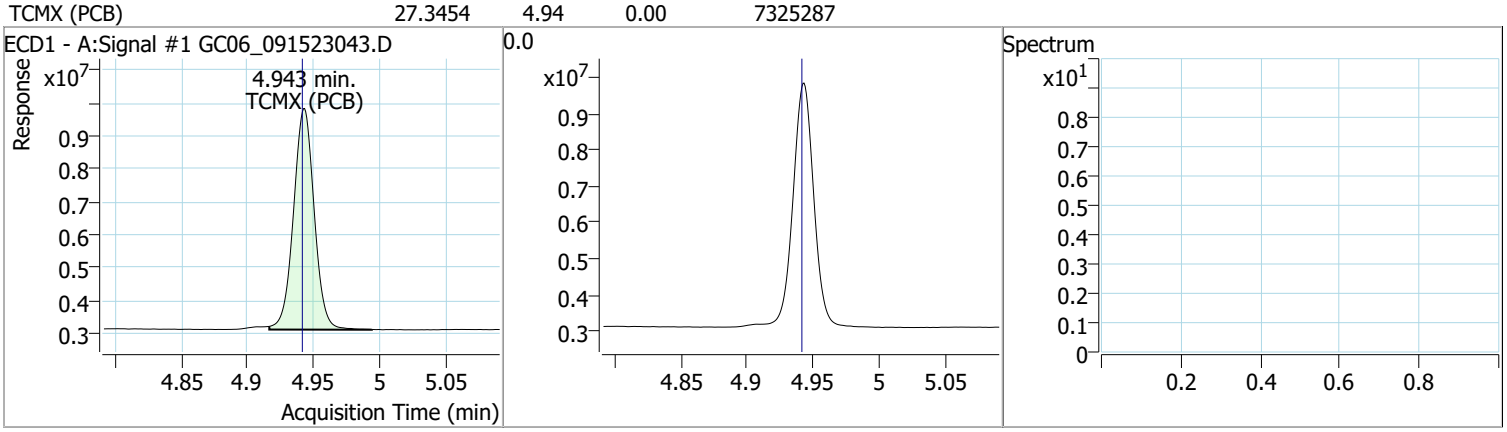


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.149	0.0	5027098.485	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	12178827.372	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.943	0.0	7325286.816	27.3454	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 136.73%		
S TCMX (PCB) #2	5.266	0.0	16932286.036	26.2098	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 131.05%		
S Decachlorobiphenyl (PCB)	11.940	0.0	8241680.501	24.5688	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 122.84%		
S Decachlorobiphenyl (PCB) #2	13.102	0.0	15793001.565	24.5557	ng/ml	0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 122.78%		
Target Compounds						QValue

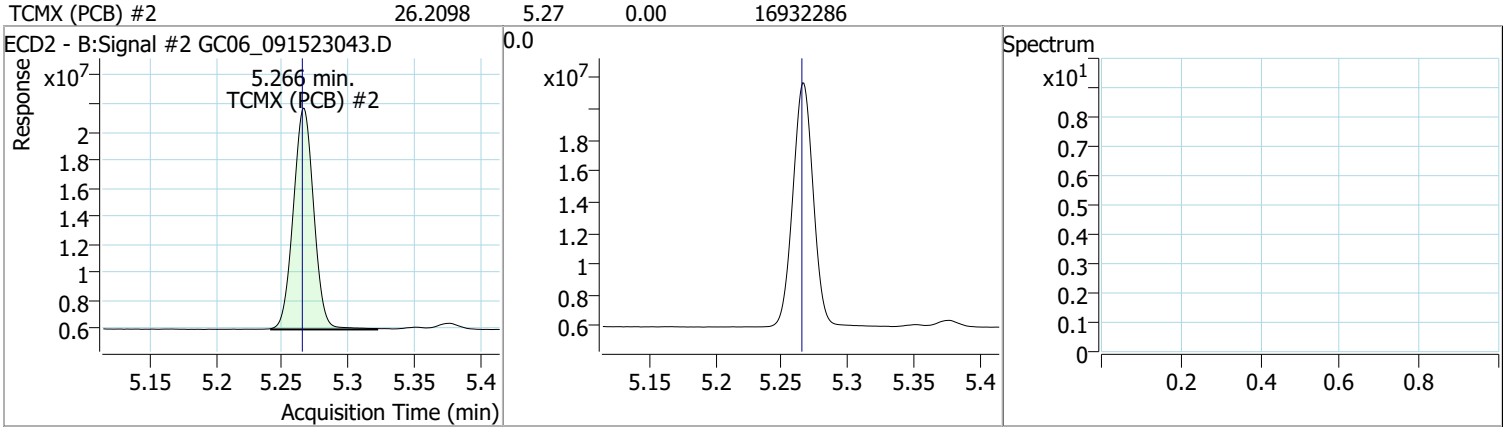
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.304	0.0	2863395.239	510.6796	ng/ml		100
T AR1016 2	5.643	0.0	5858423.023	514.6489	ng/ml		100
T AR1016 1 #2	5.748	0.0	6339152.526	499.7217	ng/ml		100
T AR1016 3	6.098	0.0	7686845.752	528.3188	ng/ml	m	100
T AR1016 2 #2	6.164	0.0	13355718.467	468.6921	ng/ml		100
T AR1016 4	6.233	0.0	4779939.987	545.0582	ng/ml		100
T AR1016 5	6.688	0.0	4360634.137	650.1596	ng/ml		100
T AR1016 3 #2	6.693	0.0	17387712.556	507.0979	ng/ml		100
T AR1016 4 #2	6.862	0.0	12347832.313	500.3369	ng/ml		100
T AR1016 5 #2	7.525	0.0	9880186.788	750.5359	ng/ml		100
T AR1260 1	8.535	0.0	8646316.849	520.1061	ng/ml		100
T AR1260 2	9.042	0.0	13418497.653	528.7365	ng/ml		100
T AR1260 3	9.506	0.0	14117488.639	520.6025	ng/ml		100
T AR1260 1 #2	9.735	0.0	18323262.037	533.4808	ng/ml		100
T AR1260 4	10.011	0.0	6277405.765	424.8925	ng/ml		100
T AR1260 2 #2	10.013	0.0	19634002.427	507.0074	ng/ml		100
T AR1260 3 #2	10.456	0.0	24293123.512	490.2092	ng/ml		100
T AR1260 5	10.723	0.0	10070951.709	431.1095	ng/ml		100
T AR1260 4 #2	10.887	0.0	13455085.358	464.8372	ng/ml	m	100
T AR1260 5 #2	11.548	0.0	18916440.717	450.8687	ng/ml		100

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

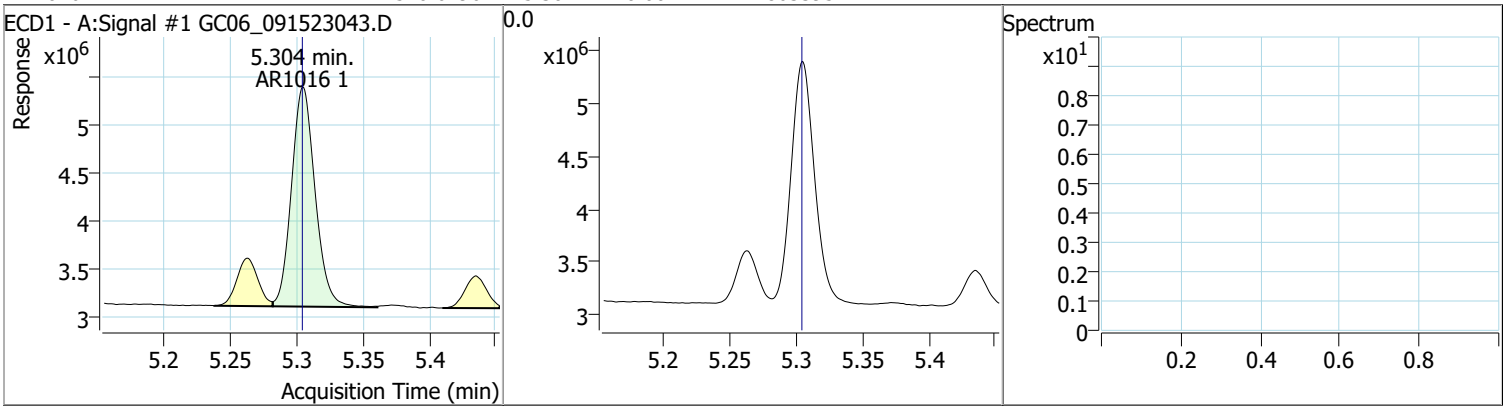
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.3454	4.94	0.00	7325287				



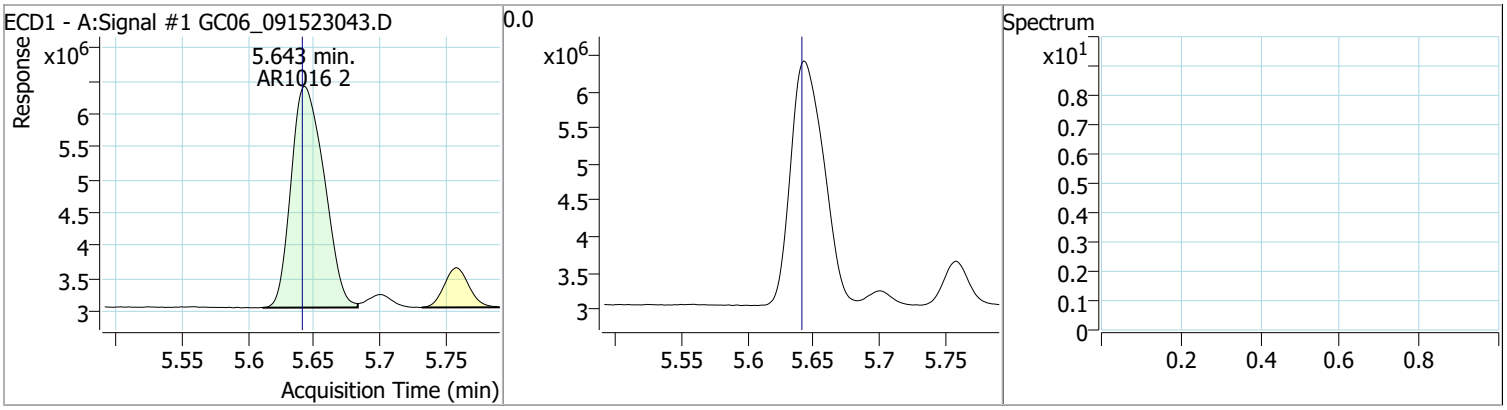
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	26.2098	5.27	0.00	16932286				



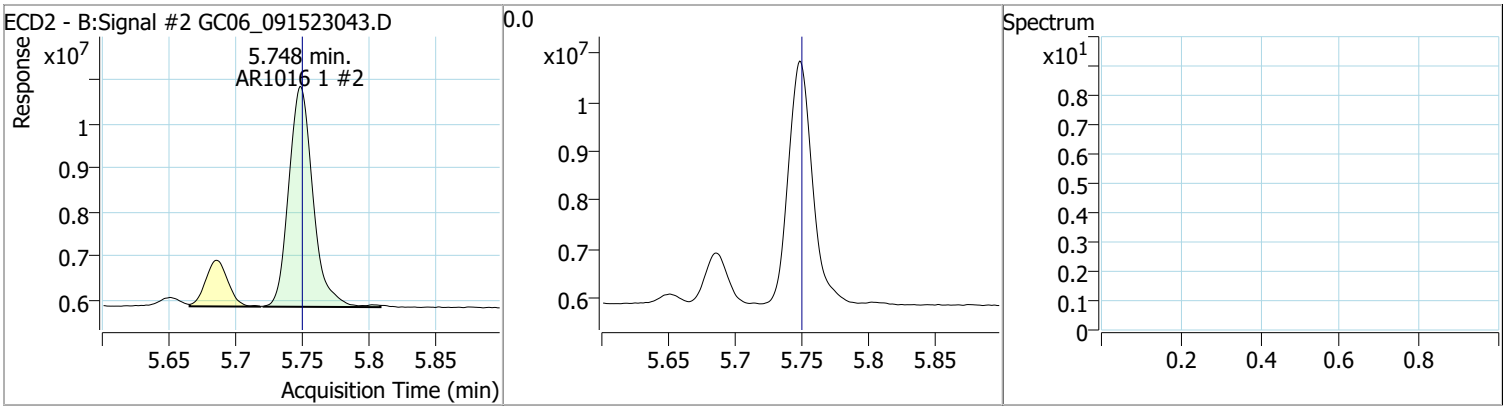
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	510.6796	5.30	0.00	2863395				



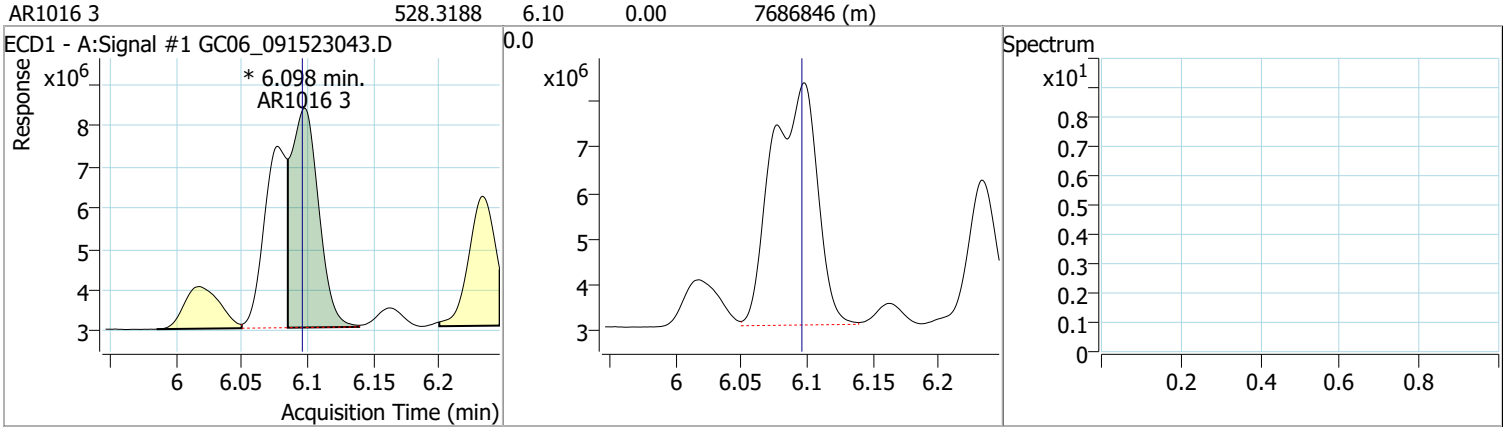
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	514.6489	5.64	0.00	5858423				



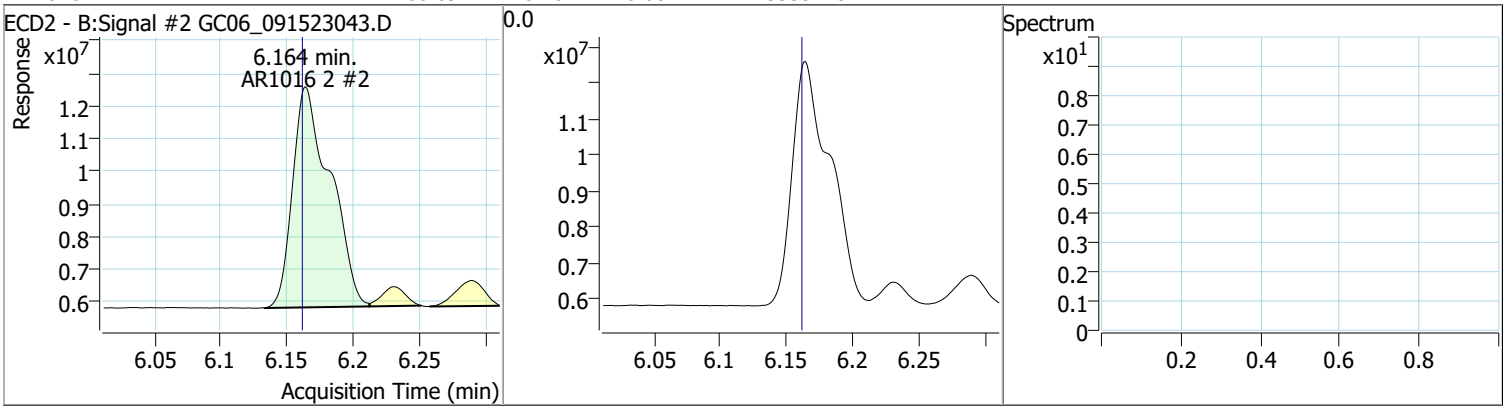
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	499.7217	5.75	0.00	6339153				



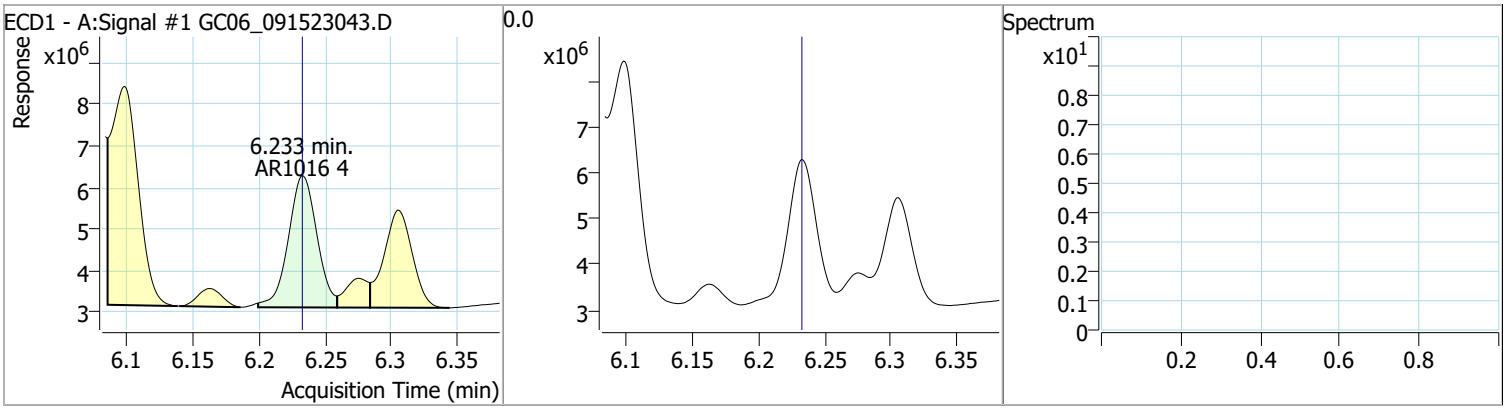
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	528.3188	6.10	0.00	7686846 (m)				



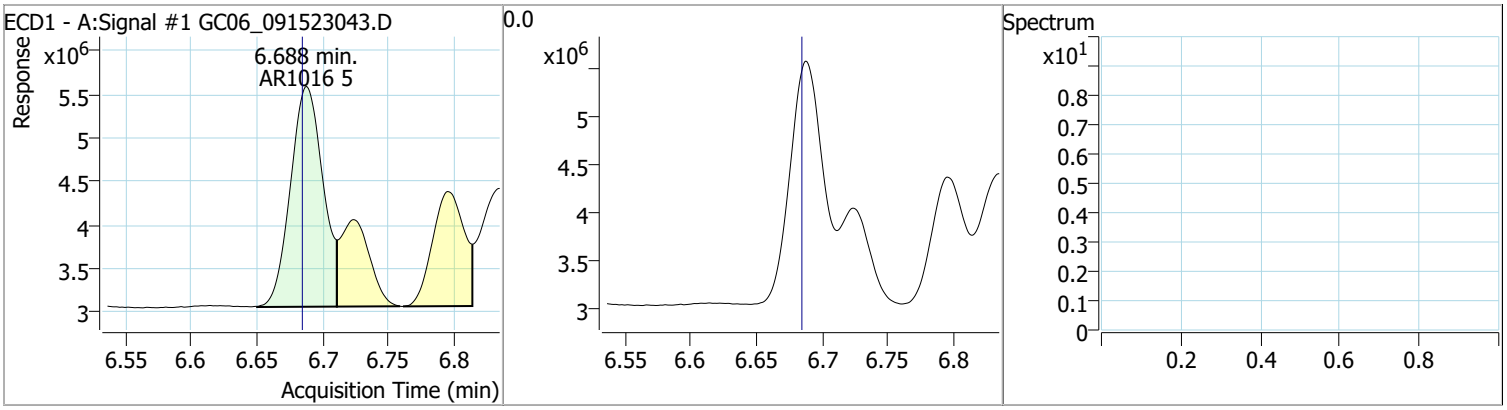
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	468.6921	6.16	0.00	13355718				



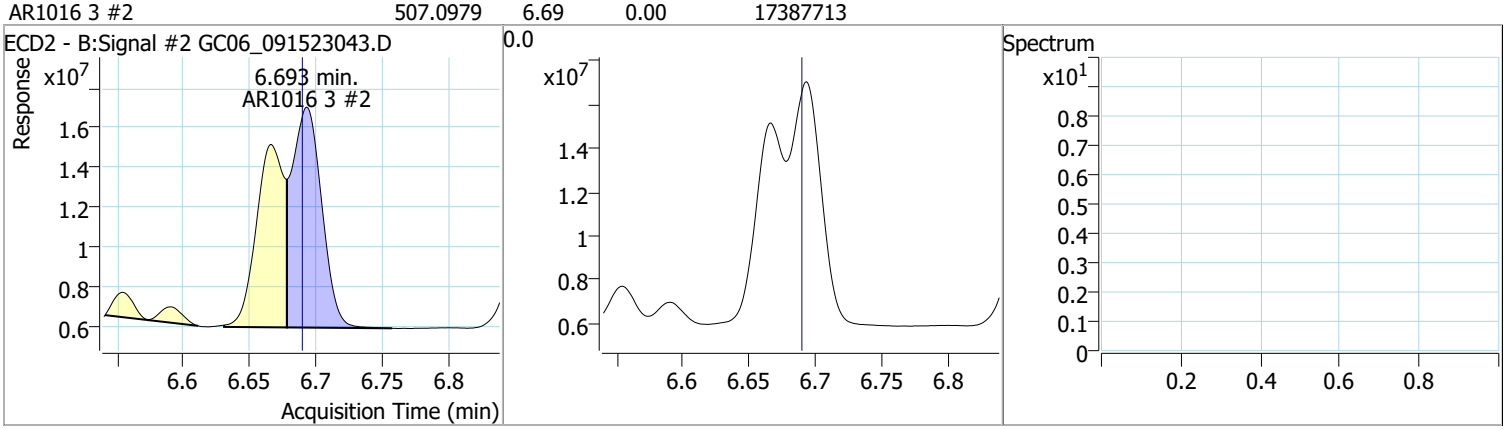
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	545.0582	6.23	0.00	4779940				



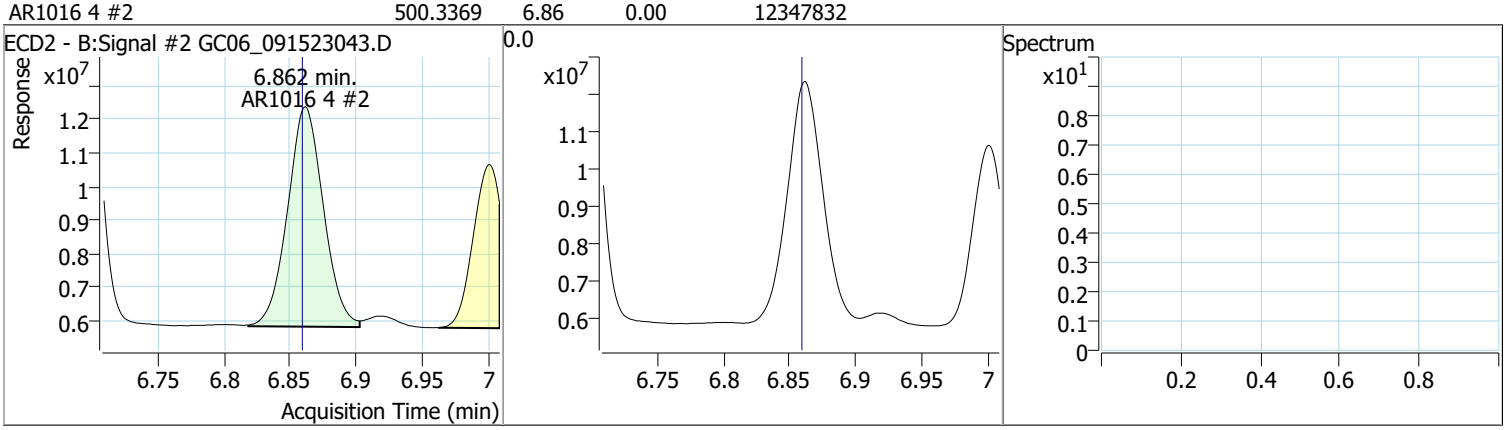
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	650.1596	6.69	0.00	4360634				



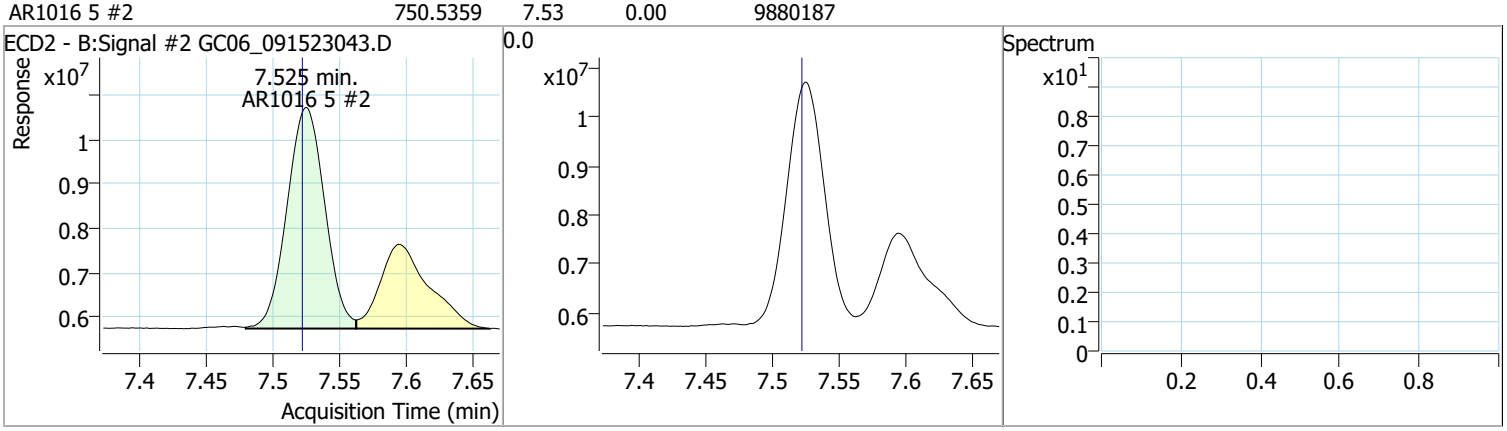
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	507.0979	6.69	0.00	17387713				



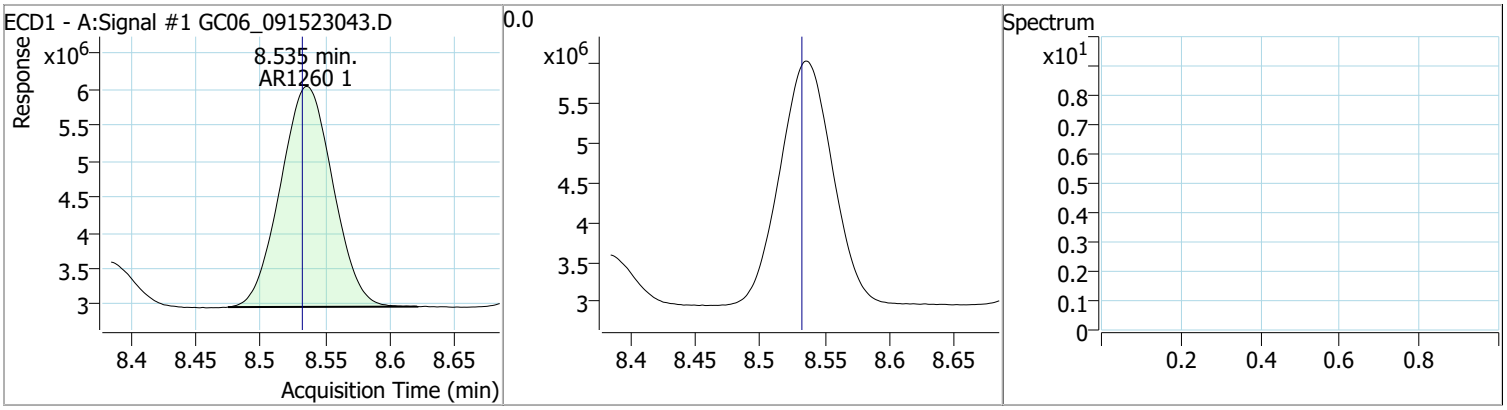
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	500.3369	6.86	0.00	12347832				



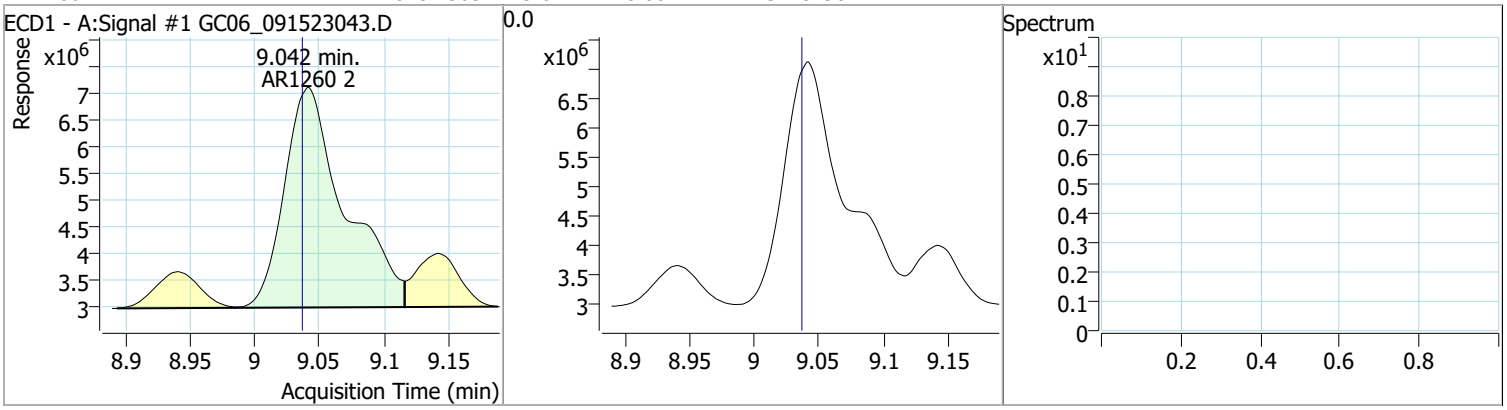
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	750.5359	7.53	0.00	9880187				



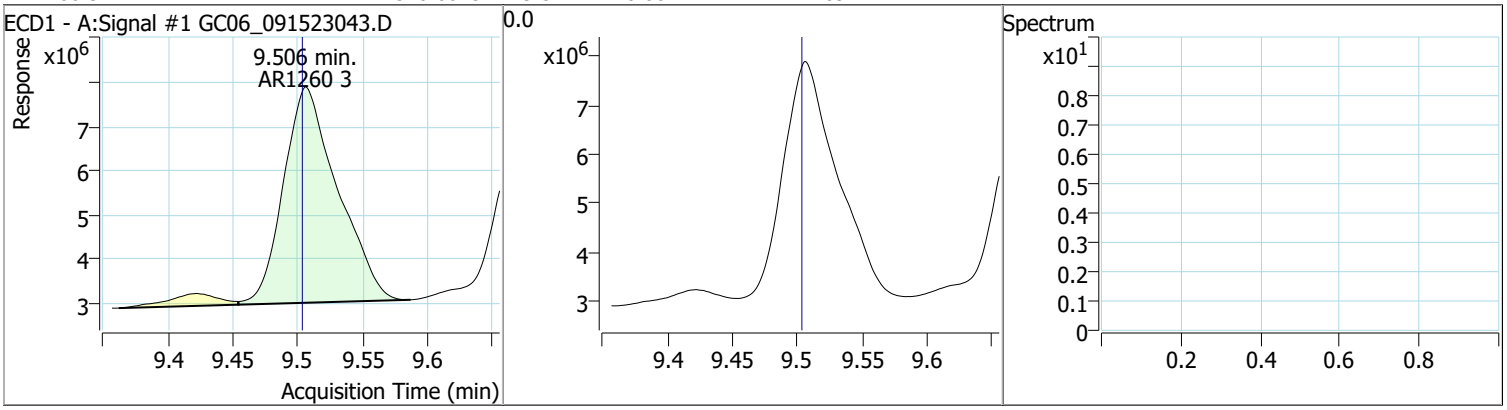
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	520.1061	8.54	0.00	8646317				



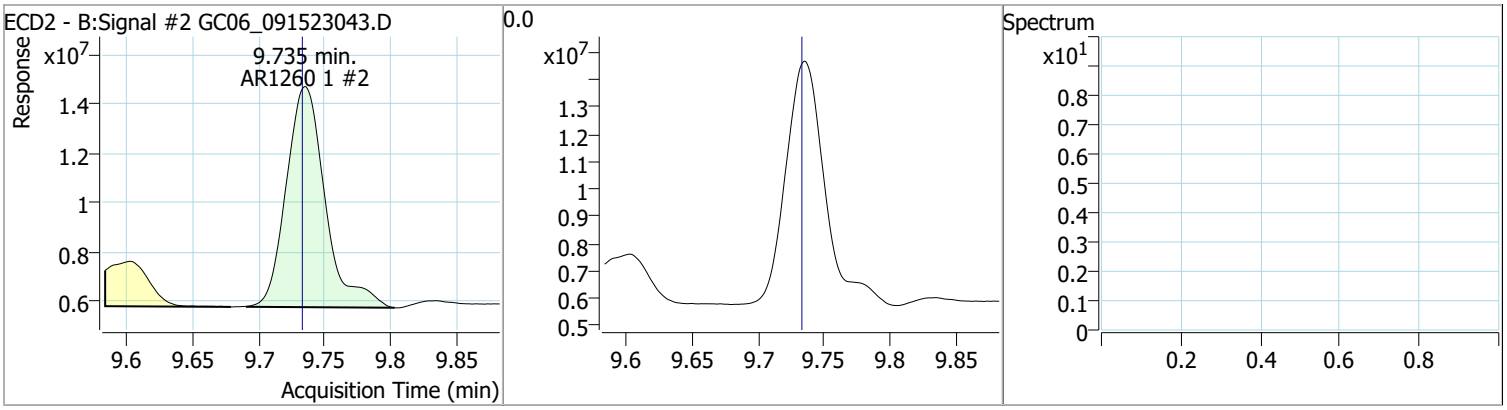
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	528.7365	9.04	0.00	13418498				



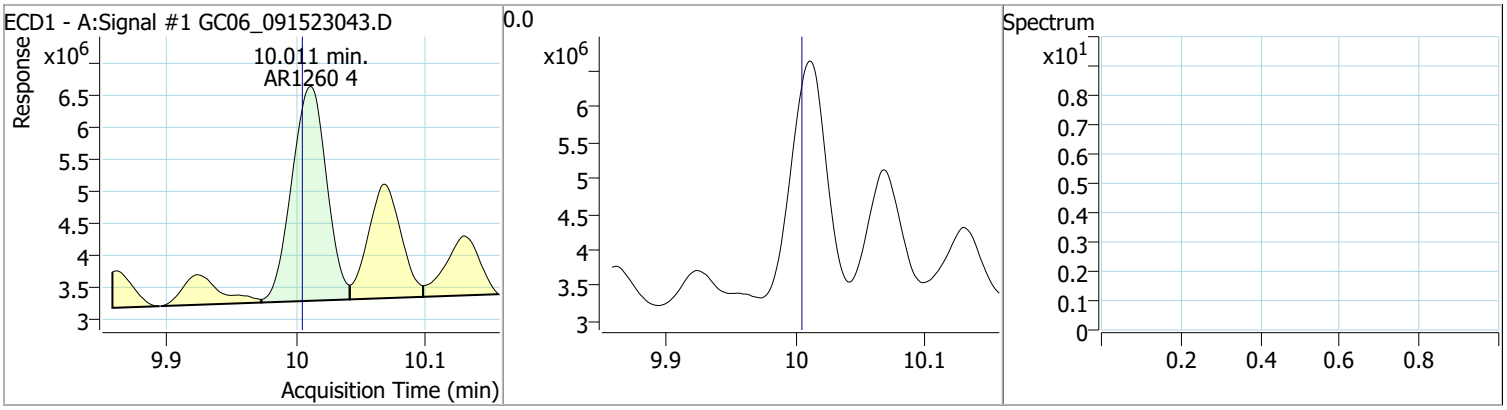
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	520.6025	9.51	0.00	14117489				



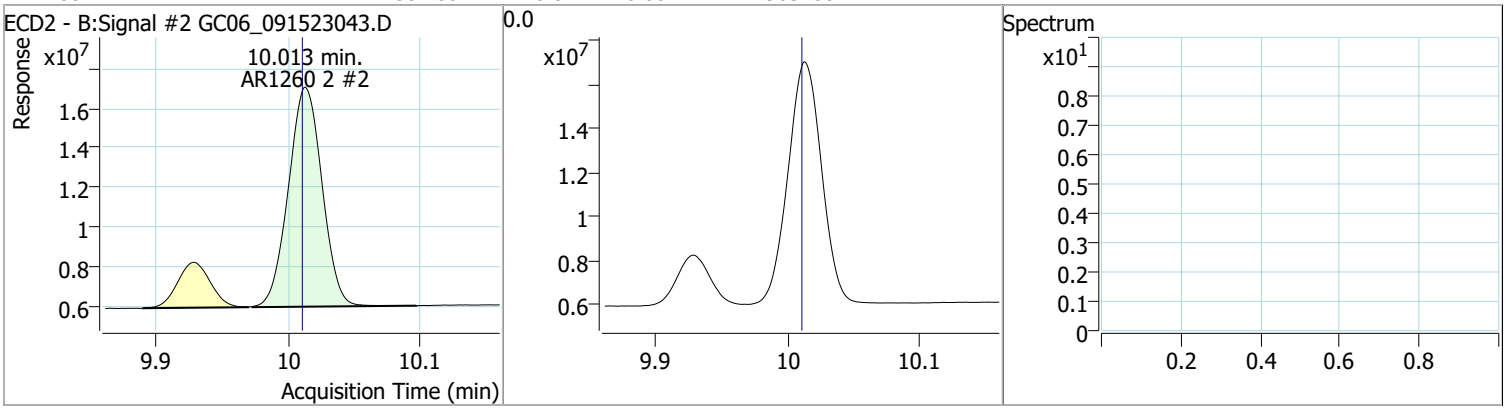
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	533.4808	9.74	0.00	18323262				



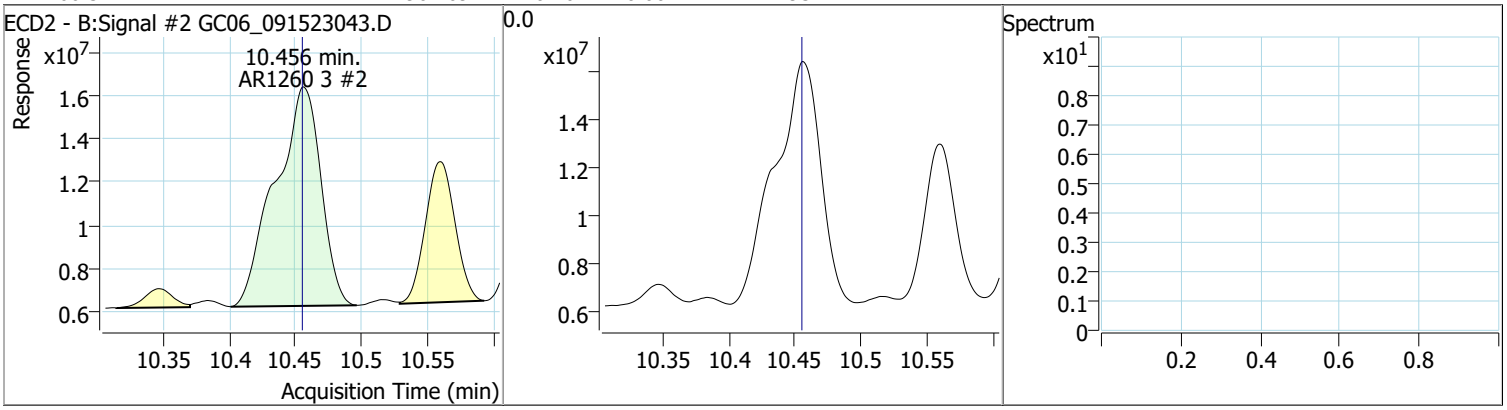
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	424.8925	10.01	0.00	6277406				



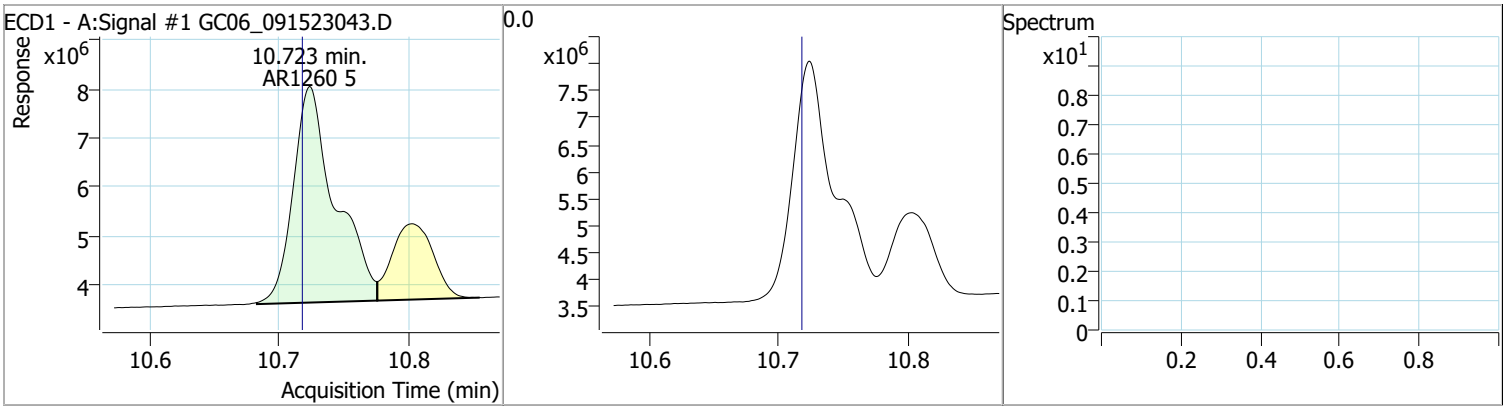
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	507.0074	10.01	0.00	19634002				



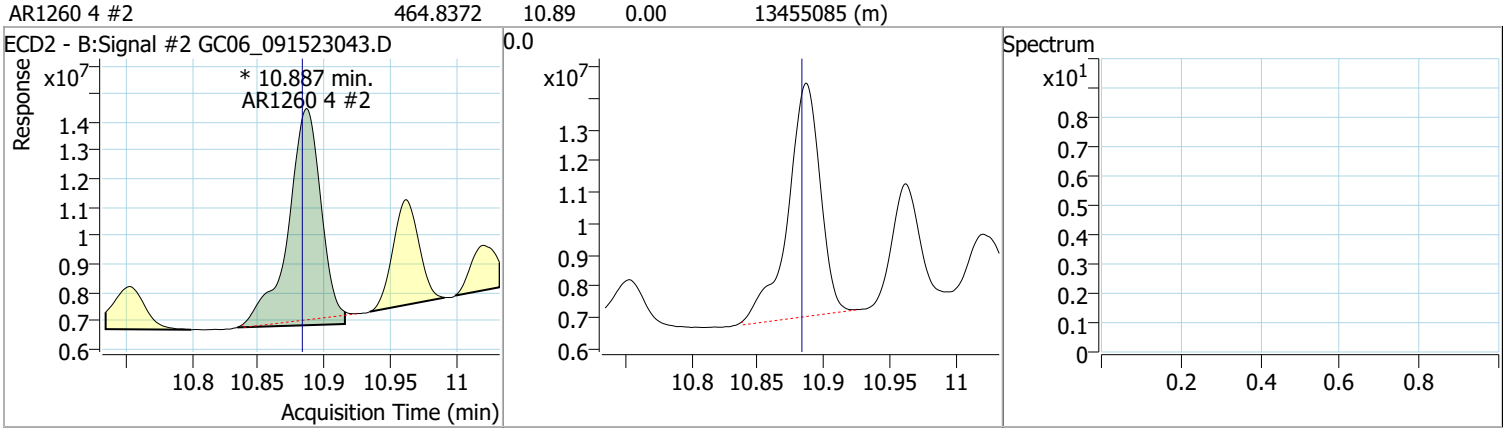
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	490.2092	10.46	0.00	24293124				



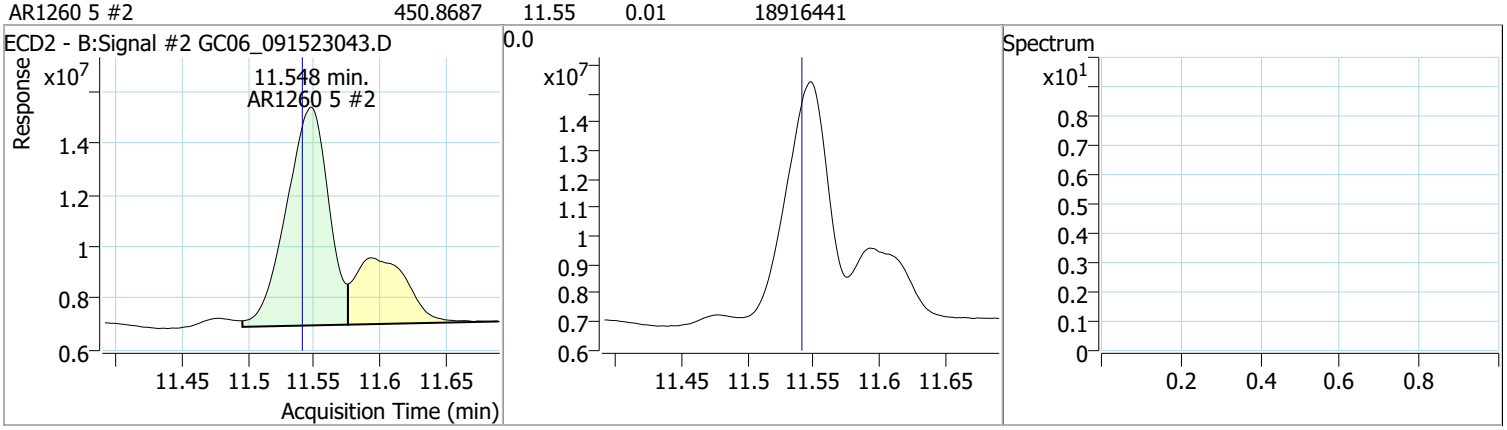
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	431.1095	10.72	0.00	10070952				



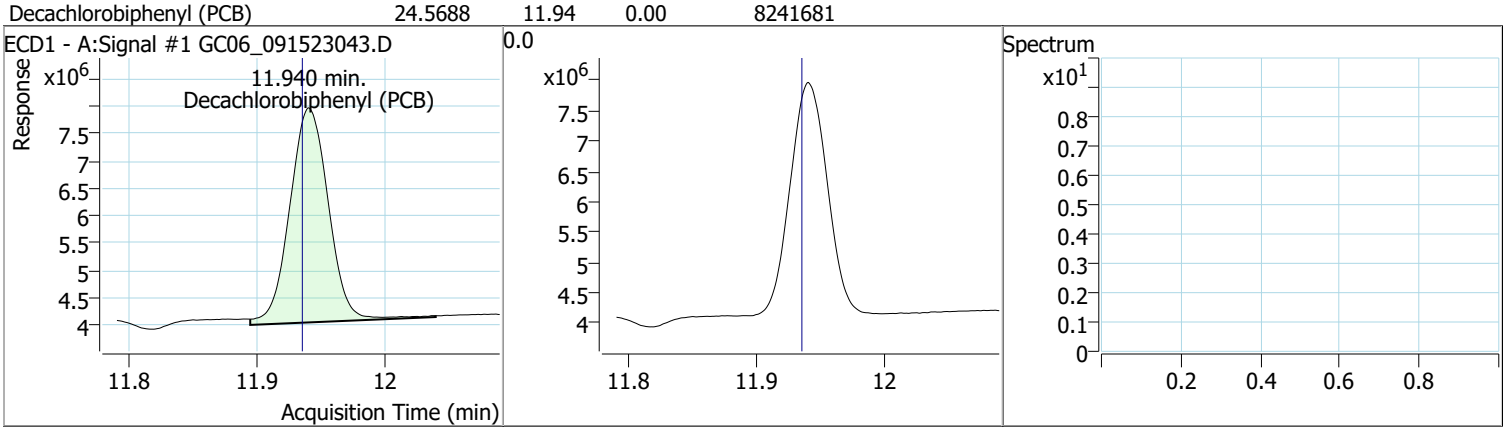
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	464.8372	10.89	0.00	13455085 (m)				



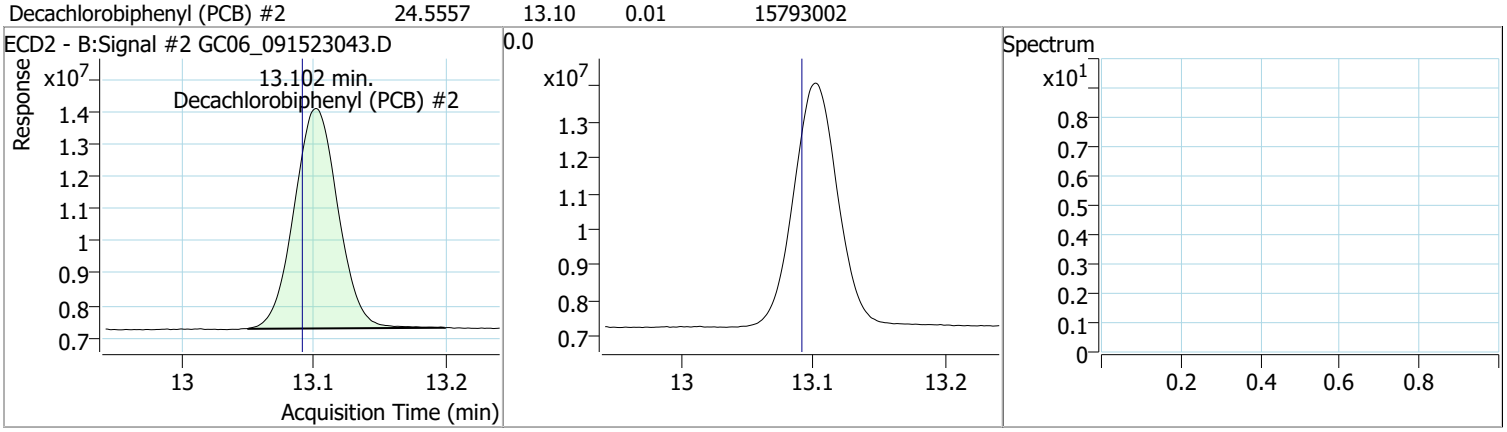
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	450.8687	11.55	0.01	18916441				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	24.5688	11.94	0.00	8241681				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.5557	13.10	0.01	15793002				



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

enthalpy.com

Lab Job Number: 492059
Report Level: IV
Report Date: 09/20/2023

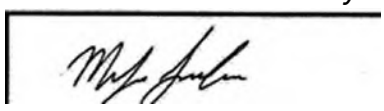
Metals

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:



Miguel Gamboa, Project Coordinator
miguel.gamboa@enthalpy.com

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	492059
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/12/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C8W-LAT-L3-EXT-1 TO 2-230911-L-WF	492059-002	09/11/23 09:15	Wipe
ARCH-C8W-LAT-L3-UP-C8.1-DG-230911-L-LA	492059-004	09/11/23 09:25	Wipe
ARCH-C9W-LAT-L3-EXT-1 TO 2-230911-L-WF	492059-006	09/11/23 09:35	Wipe
ARCH-C9W-LAT-L3-EXT-1 TO 2-230911-L-DUP-WF	492059-007	09/11/23 09:35	Wipe
ARCH-C9W-LAT-L3-UP-C9.4-VS-230911-L-LA	492059-009	09/11/23 10:00	Wipe
ARCH-C9W-MED-L3-UP-C9.7-DG-230911-L-LA	492059-012	09/11/23 10:10	Wipe
ARCH-C8W-LAT-L3-UP-C8.6-HS-230911-L-LA	492059-014	09/11/23 10:30	Wipe
ARCH-C8W-MED-L3-UP-C8.4-DG-230911-L-LA	492059-017	09/11/23 10:20	Wipe
ARCH-C9W-LAT-L3-UP-C9.1-HS-230911-L-LA	492059-019	09/11/23 10:40	Wipe
ARCH-C11W-LAT-L3-EXT-0 TO 1-230911-L-WF	492059-021	09/11/23 10:50	Wipe
ARCH-C11W-LAT-L3-EXT-0 TO 1-230911-L-DUP-WF	492059-022	09/11/23 10:50	Wipe
ARCH-C8W-MED-L3-DN-C8.7-DG-230911-L-LA	492059-024	09/11/23 13:20	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 492059 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 09/12/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 09/13/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

492059

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	D.Welch, M.Ichi, 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
1	AFRAME-C8W-LAT-L3-EXT-1 TO 2-230911-P-WF	9/11/2023	0915	WP	1	–	X		
2	AFRAME-C8W-LAT-L3-EXT-1 TO 2-230911-L-WF	9/11/2023	0915	WP	1	–		X	
3	AFRAME-C8W-LAT-L3-UP-C8.1-DG-230911-P-LA	9/11/2023	0925	WP	1	–	X		
4	AFRAME-C8W-LAT-L3-UP-C8.1-DG-230911-L-LA	9/11/2023	0925	WP	1	–		X	
5	AFRAME-C9W-~~MED~~LAT-L3-EXT-1 TO 2-230911-P-WF	9/11/2023	0935	WP	1	–	X		
6	AFRAME-C9W-~~MED~~LAT-L3-EXT-1 TO 2-230911-L-WF	9/11/2023	0935	WP	1	–		X	
7	AFRAME-C9W-~~MED~~LAT-L3-EXT-1 TO 2-230911-L-DUP-WF	9/11/2023	0935	WP	1	–		X	
8	AFRAME-C9W-LAT-L3-UP-C9.4-VS-230911-P-LA	9/11/2023	1000	WP	1	–	X		
9	AFRAME-C9W-LAT-L3-UP-C9.4-VS-230911-L-LA	9/11/2023	1000	WP	1	–		X	
10	AFRAME-C9W-MED-L3-UP-C9.7-DG-230911-P-LA	9/11/2023	1010	WP	1	–	X		
11	AFRAME-C9W-MED-L3-UP-C9.7-DG-230911-P-DUP-LA	9/11/2023	1010	WP	1	–	X		
12	AFRAME-C9W-MED-L3-UP-C9.7-DG-230911-L-LA	9/11/2023	1010	WP	1	–		X	
13	AFRAME-C8W-LAT-L3-UP-C8.6-HS-230911-P-LA	9/11/2023	1020	WP	1	–	X		
14	AFRAME-C8W-LAT-L3-UP-C8.6-HS-230911-L-LA	9/11/2023	1030	WP	1	–		X	
15	AFRAME-C8W-MED-L3-UP-C8.4-DG-230911-P-LA	9/11/2023	1020	WP	1	–	X		

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 5 Enclosure C/D (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TKSinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/12/23 / 1400
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/12/23 14:00
[2] Relinquished By:	Audrey Hudson	"	"	9/12/23 17:12
[2] Received By:		JSP	Enthalpy	9/12/23 17:12
[3] Relinquished By:			FEA	9/12/23 18:21
[3] Received By:			EM	9/13/23 1038

492055

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	D.Welsh, 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
16	AFRAME-C8W-MED-L3-UP-C8.4-DG-230911-P-DUP-LA	9/11/2023	1020	WP	1	--	X		
17	AFRAME-C8W-MED-L3-UP-C8.4-DG-230911-L-LA	9/11/2023	1020	WP	1	--		X	
18	AFRAME-C9W-LAT-L3-UP-C9.1-HS-230911-P-LA	9/11/2023	1040	WP	1	--	X		
19	AFRAME-C9W-LAT-L3-UP-C9.1-HS-230911-L-LA	9/11/2023	1040	WP	1	--		X	
20	AFRAME-~~C10W~~ C11W-LAT-L3-EXT-0 TO 1-230911-P-WF	9/11/2023	1050	WP	1	--	X		
21	AFRAME-~~C10W~~ C11W-LAT-L3-EXT-0 TO 1-230911-L-WF	9/11/2023	1050	WP	1	--		X	
22	AFRAME-~~C10W~~ C11W-LAT-L3-EXT-0 TO 1-230911-L-DUP-WF	9/11/2023	1050	WP	1	--		X	
23	AFRAME-C8W-MED-L3-DN-C8.7-DG-230911-P-LA	9/11/2023	1320	WP	1	--	X		
24	AFRAME-C8W-MED-L3-DN-C8.7-DG-230911-L-LA	9/11/2023	1320	WP	1	--		X	
25									
26									
27									
28									
29									
30									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 5 Enclosure C/D (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TS Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/12/23 / 1400
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/12/23 14:00
2 Relinquished By:	Audrey Hudson	"	"	9/12/23 17:12
2 Received By:		JSP	Enthalpy	9.12.23 17:12
3 Relinquished By:		Lindsay Parker	EA	9/12/23 18:21
3 Received By:		FASCHUCK	EA	9/13/23 1038

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

SAMPLE RECEIPT CHECKLIST

ENTHALPY

Section 1: General Info

Date Received: 9/12/23 Login # 492059 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

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

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

Date Opened 9.12.23 By (print) JJP (sign) [signature]

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

If no cooler: Sample Temp (°C): _____

How many coolers? 2 Temp (°C): #1: 5.3 #2: 3.2 #3: _____ #4: _____ #5: _____ #6: _____

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

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

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

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

Preservative added:

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

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

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

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

Section 6: Explanations / Comments No custody seals found.

Date Logged 9.12.23 **By (print)** JP for MY **(sign)** [signature]

Date Labeled 9.12.23 **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

492059

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 09/13/23 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: 4.3 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

Section 3

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

Cooler Temp (°C): #1: 4.1 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: [signature] Date: SEP 13 2023

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SOUTHWEST AIRLINES

Printed on:
12 SEP 19:50

526 OAK 9311 2106

SNA

PC# 4 OF 7 | DG G | LOT WT 240 LB (108.8 KG)

OAK WN 2648 13 SEP 07:25

STN FLT DATE ETD LOT 01

PC ID: 0004
PC WT: 34LB

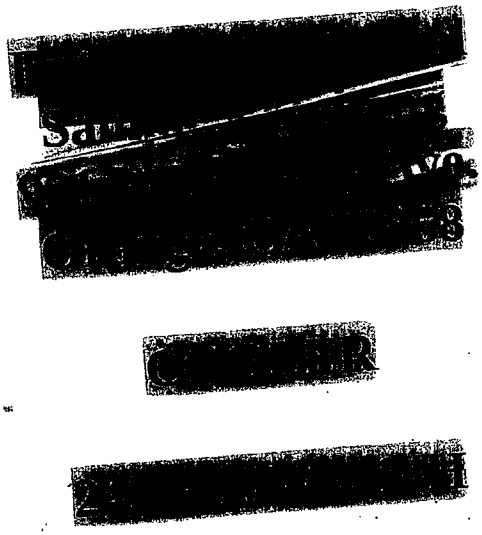
526 93112106 0004

S



4.3/4.1

2



A.U.

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 492059 **Project#:** 20-10491

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

Field ID: ARCH-C8W-LAT-L3-EXT-1 TO 2-230911-L-WF **Batch#:** 322285 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492059-002 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492059-002 Analyte	Result	RL	Units
Lead	**120**	0.50	ug/ft2

Field ID: ARCH-C8W-LAT-L3-UP-C8.1-DG-230911-L-LA **Batch#:** 322285 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492059-004 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492059-004 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: ARCH-C9W-LAT-L3-EXT-1 TO 2-230911-L-WF **Batch#:** 322285 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492059-006 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492059-006 Analyte	Result	RL	Units
Lead	**180**	0.50	ug/ft2

Field ID: ARCH-C9W-LAT-L3-EXT-1 TO 2-230911-L-DUP-WF **Batch#:** 322285 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492059-007 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492059-007 Analyte	Result	RL	Units
Lead	**310**	0.50	ug/ft2

Field ID: ARCH-C9W-LAT-L3-UP-C9.4-VS-230911-L-LA **Batch#:** 322285 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492059-009 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492059-009 Analyte	Result	RL	Units
Lead	**210**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 492059 **Project#:** 20-10491

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

Field ID: ARCH-C9W-MED-L3-UP-C9.7-DG-230911-L-LA **Batch#:** 322285 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492059-012 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dil n Fac: 1.000 **Analyzed:** 09/13/23

492059-012 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: ARCH-C8W-LAT-L3-UP-C8.6-HS-230911-L-LA **Batch#:** 322285 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492059-014 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dil n Fac: 1.000 **Analyzed:** 09/13/23

492059-014 Analyte	Result	RL	Units
Lead	**81**	0.50	ug/ft2

Field ID: ARCH-C8W-MED-L3-UP-C8.4-DG-230911-L-LA **Batch#:** 322285 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492059-017 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dil n Fac: 1.000 **Analyzed:** 09/13/23

492059-017 Analyte	Result	RL	Units
Lead	**100**	0.50	ug/ft2

Field ID: ARCH-C9W-LAT-L3-UP-C9.1-HS-230911-L-LA **Batch#:** 322285 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492059-019 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dil n Fac: 1.000 **Analyzed:** 09/13/23

492059-019 Analyte	Result	RL	Units
Lead	**73**	0.50	ug/ft2

Field ID: ARCH-C11W-LAT-L3-EXT-0 TO 1-230911-L-WF **Batch#:** 322285 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492059-021 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dil n Fac: 1.000 **Analyzed:** 09/13/23

492059-021 Analyte	Result	RL	Units
Lead	**230**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 492059 **Project#:** 20-10491

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

Field ID: ARCH-C11W-LAT-L3-EXT-0 TO 1-230911-L-DUP-WF **Batch#:** 322285 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B

Lab ID: 492059-022 **Received:** 09/12/23 **Analyst:** SBW

Matrix: Wipe **Prepared:** 09/13/23

Diln Fac: 1.000 **Analyzed:** 09/13/23

492059-022 Analyte	Result	RL	Units
Lead	**290**	0.50	ug/ft2

Field ID: ARCH-C8W-MED-L3-DN-C8.7-DG-230911-L-LA **Batch#:** 322285 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B

Lab ID: 492059-024 **Received:** 09/12/23 **Analyst:** SBW

Matrix: Wipe **Prepared:** 09/13/23

Diln Fac: 1.000 **Analyzed:** 09/13/23

492059-024 Analyte	Result	RL	Units
Lead	**120**	0.50	ug/ft2

Type: BLANK **Batch#:** 322285 **Analysis:** EPA 6010B

Lab ID: QC1093249 **Prepared:** 09/13/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 09/13/23

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

QC1093249 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 492059 **Project#:** 20-10491

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

Type: BS **Batch#:** 322285 **Analysis:** EPA 6010B

Lab ID: QC1093250 **Prepared:** 09/13/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 09/13/23

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

QC1093250 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	50.40	101	80-120	ug/ft2

Type: BSD **Batch#:** 322285 **Analysis:** EPA 6010B

Lab ID: QC1093251 **Prepared:** 09/13/23 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 09/13/23

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

QC1093251 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	48.99	98	80-120	ug/ft2	3	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 492059 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB
492059-002	MET06	09/13/23 20:42	1.0	✓
492059-004	MET06	09/13/23 20:59	1.0	✓
492059-006	MET06	09/13/23 21:02	1.0	✓
492059-007	MET06	09/13/23 21:05	1.0	✓
492059-009	MET06	09/13/23 21:09	1.0	✓
492059-012	MET06	09/13/23 21:12	1.0	✓
492059-014	MET06	09/13/23 21:15	1.0	✓
492059-017	MET06	09/13/23 21:18	1.0	✓
492059-019	MET06	09/13/23 21:22	1.0	✓
492059-021	MET06	09/13/23 21:25	1.0	✓
492059-022	MET06	09/13/23 21:28	1.0	✓
492059-024	MET06	09/13/23 21:38	1.0	✓
QC1093249	MET06	09/13/23 20:32	1.0	✓
QC1093250	MET06	09/13/23 20:36	1.0	✓
QC1093251	MET06	09/13/23 20:39	1.0	✓

Enthalpy Sequence Summary for Sequence 483369139

Instrument: MET06 Begun: 09/13/23 08:19

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			09/13/23 08:19	1.0	1	
002	met06_master011	ICAL	L1			09/13/23 08:23	1.0	2 1	
003	met06_master011	ICAL	L2			09/13/23 08:26	1.0	3 1	
004	met06_master011	ICAL	L3			09/13/23 08:29	1.0	4 1	
005	met06_master011	ICAL	L4			09/13/23 08:32	1.0	5 1	
006	met06_master011	ICAL	L5			09/13/23 08:36	1.0	6 1	
007	met06_master011	ICAL	L6			09/13/23 08:39	1.0	7 1	
008	met06_master011	ICAL	L7			09/13/23 08:42	1.0	8 1	
009	met06_master011	ICAL	L8			09/13/23 08:46	1.0	9 1	
010	met06_master011	ICV				09/13/23 08:49	1.0	10 1	
011	met06_master011	CRI				09/13/23 08:52	1.0	11 1	
012	met06_master011	ICB				09/13/23 08:56	1.0	1	
013	met06_master011	ICSA				09/13/23 08:59	1.0	12 1	6:MGASMGCO3=1300
014	met06_master011	ICSAB				09/13/23 09:02	1.0	13 1	6:MGASMGCO3=1300
015	met06_master011	BLANK	QC1092903	Water	322178	09/13/23 09:06	1.0	1	
016	met06_master011	LCS	QC1092904	Water	322178	09/13/23 09:09	1.0	1	
017	met06_master011	SAMPLE	492017-001	Water	322178	09/13/23 09:12	1.0	1	
018	met06_master011	SAMPLE	492017-002	Water	322178	09/13/23 09:16	1.0	1	
019	met06_master011	SAMPLE	492017-003	Water	322178	09/13/23 09:19	1.0	1	
020	met06_master011	MSS	491959-001	Water	322178	09/13/23 09:22	1.0	1	
021	met06_master011	MS	QC1092905	Water	322178	09/13/23 09:25	1.0	1	
022	met06_master011	MSD	QC1092906	Water	322178	09/13/23 09:28	1.0	1	
023	met06_master011	BLANK	QC1092884	TCLP Leachate	322174	09/13/23 09:32	1.0	1	1:NA=930
024	met06_master011	LCS	QC1092885	TCLP Leachate	322174	09/13/23 09:35	1.0	1	1:NA=940
025	met06_master011	CCV				09/13/23 09:38	1.0	10 1	
026	met06_master011	CCB				09/13/23 09:41	1.0	1	

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master011	MSS	491176-039	TCLP Leachate	322174	09/13/23 09:45	1.0	1	2:CAASCACO3=1500
028	met06_master011	MS	QC1092886	TCLP Leachate	322174	09/13/23 09:48	1.0	1	2:CAASCACO3=1500
029	met06_master011	MSD	QC1092887	TCLP Leachate	322174	09/13/23 09:51	1.0	1	2:CAASCACO3=1500
030	met06_master011	BLANK	QC1092987	Soil	322203	09/13/23 09:55	1.0	1	
031	met06_master011	LCS	QC1092988	Soil	322203	09/13/23 09:58	1.0	1	
032	met06_master011	MSS	491573-054	Soil	322203	09/13/23 10:02	1.0	1	5:FEASFE2O3=220
033	met06_master011	MS	QC1092989	Soil	322203	09/13/23 10:05	1.0	1	5:FEASFE2O3=240
034	met06_master011	MSD	QC1092990	Soil	322203	09/13/23 10:08	1.0	1	5:FEASFE2O3=260
035	met06_master011	PDS	QC1092991	Soil	322203	09/13/23 10:11	1.0	1	5:FEASFE2O3=210
036	met06_master011	SAMPLE	492064-001	Miscell.	322203	09/13/23 10:15	1.0	1	2:FE=120
037	met06_master011	CCV				09/13/23 10:18	1.0	10 1	
038	met06_master011	CCB				09/13/23 10:21	1.0	1	
039	met06_master011	UNKNOWN	MB			09/13/23 10:24	1.0	1	
040	met06_master011	UNKNOWN	6			09/13/23 10:28	1.0	1	
041	met06_master011	UNKNOWN	7			09/13/23 10:31	1.0	1	
042	met06_master011	UNKNOWN	CRI6			09/13/23 10:34	1.0	1	
043	met06_master011	UNKNOWN	CRI7			09/13/23 10:37	1.0	1	
044	met06_master011	SAMPLE	492027-001	Soil	322169	09/13/23 10:41	10.0	1	1:FE=28
045	met06_master011	SAMPLE	491102-015	Soil	322203	09/13/23 10:44	1.0	1	3:FE=160
046	met06_master011	SAMPLE	491102-017	Soil	322203	09/13/23 10:47	1.0	1	2:FE=140
047	met06_master011	SAMPLE	491102-025	Soil	322203	09/13/23 10:50	1.0	1	3:FE=140
048	met06_master011	SAMPLE	491102-032	Soil	322203	09/13/23 10:54	1.0	1	3:FE=150
049	met06_master011	CCV				09/13/23 10:57	1.0	10 1	
050	met06_master011	CCB				09/13/23 11:00	1.0	1	
051	met06_master011	SAMPLE	491573-055	Soil	322203	09/13/23 11:03	1.0	1	3:FE=190
052	met06_master011	SAMPLE	491981-001	Soil	322203	09/13/23 11:07	1.0	1	2:FE=230

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master011	SAMPLE	492042-001	Soil	322203	09/13/23 11:10	1.0	1	2:FE=200
054	met06_master011	SAMPLE	492042-002	Soil	322203	09/13/23 11:13	1.0	1	3:AL=230
055	met06_master011	SAMPLE	492042-003	Soil	322203	09/13/23 11:17	1.0	1	2:AL=170
056	met06_master011	SAMPLE	492042-004	Soil	322203	09/13/23 11:20	1.0	1	2:FE=140
057	met06_master011	SAMPLE	492042-005	Soil	322203	09/13/23 11:23	1.0	1	2:AL=200
058	met06_master011	SAMPLE	492042-006	Soil	322203	09/13/23 11:26	1.0	1	2:FE=200
059	met06_master011	SAMPLE	492042-007	Soil	322203	09/13/23 11:30	1.0	1	1:FE=25
060	met06_master011	SAMPLE	492042-008	Soil	322203	09/13/23 11:33	1.0	1	2:AL=48
061	met06_master011	CCV				09/13/23 11:36	1.0	10 1	
062	met06_master011	CCB				09/13/23 11:39	1.0	1	
063	met06_master011	SAMPLE	492042-009	Soil	322203	09/13/23 11:48	1.0	1	2:FE=190
064	met06_master011	SAMPLE	492042-010	Soil	322203	09/13/23 11:52	1.0	1	2:FE=190
065	met06_master011	SAMPLE	492042-011	Soil	322203	09/13/23 11:55	1.0	1	3:AL=190
066	met06_master011	SAMPLE	492042-012	Soil	322203	09/13/23 11:59	1.0	1	3:FE=190
067	met06_master011	BLANK	QC1093035	Soil	322219	09/13/23 12:02	1.0	1	
068	met06_master011	LCS	QC1093036	Soil	322219	09/13/23 12:05	1.0	1	
069	met06_master011	MSS	492051-001	Miscell.	322219	09/13/23 12:08	1.0	1	5:FEASFE2O3=230
070	met06_master011	MS	QC1093037	Miscell.	322219	09/13/23 12:12	1.0	1	5:FEASFE2O3=250
071	met06_master011	MSD	QC1093038	Miscell.	322219	09/13/23 12:15	1.0	1	5:FEASFE2O3=250
072	met06_master011	PDS	QC1093039	Miscell.	322219	09/13/23 12:18	1.0	1	5:FEASFE2O3=220
073	met06_master011	CCV				09/13/23 12:21	1.0	10 1	
074	met06_master011	CCB				09/13/23 12:25	1.0	1	
075	met06_master011	SAMPLE	492051-006	Soil	322219	09/13/23 12:28	1.0	1	3:FE=190
076	met06_master011	SAMPLE	492076-001	Miscell.	322219	09/13/23 12:31	1.0	1	3:FE=130
077	met06_master011	SAMPLE	492076-003	Miscell.	322219	09/13/23 12:34	1.0	1	2:FE=190
078	met06_master011	SAMPLE	492088-013	Soil	322219	09/13/23 12:38	1.0	1	3:FE=180

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master011	SAMPLE	492088-014	Soil	322219	09/13/23 12:41	1.0	1	2:AL=120
080	met06_master011	SAMPLE	492088-015	Soil	322219	09/13/23 12:44	1.0	1	2:AL=110
081	met06_master011	BLANK	QC1093106	Soil	322244	09/13/23 12:47	1.0	1	
082	met06_master011	LCS	QC1093107	Soil	322244	09/13/23 12:51	1.0	1	
083	met06_master011	SAMPLE	492056-001	Soil	322244	09/13/23 12:54	1.0	1	2:FE=92
084	met06_master011	SAMPLE	492056-002	Soil	322244	09/13/23 12:57	1.0	1	2:FE=170
085	met06_master011	CCV				09/13/23 13:00	1.0	10 1	
086	met06_master011	CCB				09/13/23 13:03	1.0	1	
087	met06_master011	SAMPLE	492056-003	Soil	322244	09/13/23 13:07	1.0	1	2:FE=150
088	met06_master011	SAMPLE	492056-004	Soil	322244	09/13/23 13:10	1.0	1	2:FE=150
089	met06_master011	SAMPLE	492056-005	Soil	322244	09/13/23 13:13	1.0	1	2:FE=130
090	met06_master011	SAMPLE	492056-006	Soil	322244	09/13/23 13:16	1.0	1	2:FE=140
091	met06_master011	MSS	492076-004	Soil	322244	09/13/23 13:20	1.0	1	4:ALASAL2O3=150
092	met06_master011	MS	QC1093108	Soil	322244	09/13/23 13:23	1.0	1	4:ALASAL2O3=200
093	met06_master011	MSD	QC1093109	Soil	322244	09/13/23 13:26	1.0	1	4:ALASAL2O3=230
094	met06_master011	PDS	QC1093110	Soil	322244	09/13/23 13:29	1.0	1	4:ALASAL2O3=150
095	met06_master011	BLANK	QC1093205	Filtrate	322270	09/13/23 13:32	1.0	1	
096	met06_master011	LCS	QC1093206	Filtrate	322270	09/13/23 13:36	1.0	1	
097	met06_master011	CCV				09/13/23 13:39	1.0	10 1	
098	met06_master011	CCB				09/13/23 13:42	1.0	1	
099	met06_master011	MSS	492091-001	Filtrate	322270	09/13/23 13:45	1.0	1	
100	met06_master011	MS	QC1093207	Filtrate	322270	09/13/23 13:49	1.0	1	
101	met06_master011	MSD	QC1093208	Filtrate	322270	09/13/23 13:52	1.0	1	
102	met06_master011	SAMPLE	492091-002	Filtrate	322270	09/13/23 13:55	1.0	1	
103	met06_master011	BLANK	QC1093201	Filtrate	322269	09/13/23 13:58	1.0	1	
104	met06_master011	LCS	QC1093202	Filtrate	322269	09/13/23 14:02	1.0	1	

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master011	SAMPLE	489255-001	Filtrate	322269	09/13/23 14:05	1.0	1	
106	met06_master011	MSS	489255-002	Filtrate	322269	09/13/23 14:08	1.0	1	
107	met06_master011	MS	QC1093203	Filtrate	322269	09/13/23 14:11	1.0	1	
108	met06_master011	MSD	QC1093204	Filtrate	322269	09/13/23 14:15	1.0	1	
109	met06_master011	CCV				09/13/23 14:18	1.0	10 1	
110	met06_master011	CCB				09/13/23 14:21	1.0	1	
111	met06_master011	SAMPLE	489255-003	Filtrate	322269	09/13/23 14:24	1.0	1	
112	met06_master011	SAMPLE	489255-004	Filtrate	322269	09/13/23 14:27	1.0	1	
113	met06_master011	SAMPLE	489255-006	Filtrate	322269	09/13/23 14:31	1.0	1	
114	met06_master011	SAMPLE	489255-007	Filtrate	322269	09/13/23 14:34	1.0	1	
115	met06_master011	SAMPLE	489255-008	Filtrate	322269	09/13/23 14:37	1.0	1	
116	met06_master011	SAMPLE	489255-009	Filtrate	322269	09/13/23 14:40	1.0	1	
117	met06_master011	SAMPLE	489255-010	Filtrate	322269	09/13/23 14:44	1.0	1	
118	met06_master011	SAMPLE	489255-011	Filtrate	322269	09/13/23 14:47	1.0	1	
119	met06_master011	SAMPLE	489255-012	Filtrate	322269	09/13/23 14:50	1.0	1	
120	met06_master011	SAMPLE	489282-001	Filtrate	322269	09/13/23 14:53	1.0	1	
121	met06_master011	CCV				09/13/23 14:57	1.0	10 1	
122	met06_master011	CCB				09/13/23 15:00	1.0	1	
123	met06_master011	BLANK	QC1093220	Wipe	322274	09/13/23 15:03	1.0	1	
124	met06_master011	BS	QC1093221	Wipe	322274	09/13/23 15:07	1.0	1	
125	met06_master011	BSD	QC1093222	Wipe	322274	09/13/23 15:10	1.0	1	
126	met06_master011	SAMPLE	492114-003	Wipe	322274	09/13/23 15:13	1.0	1	1:FE=72
127	met06_master011	SAMPLE	492114-005	Wipe	322274	09/13/23 15:16	1.0	1	1:FE=120
128	met06_master011	SAMPLE	492114-007	Wipe	322274	09/13/23 15:19	1.0	1	1:FE=110
129	met06_master011	SAMPLE	492114-009	Wipe	322274	09/13/23 15:23	1.0	1	1:FE=60
130	met06_master011	SAMPLE	492114-011	Wipe	322274	09/13/23 15:26	1.0	1	1:FE=54

Enthalpy Sequence Summary for Sequence 483369139

Instrument: MET06 Begun: 09/13/23 08:19

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
131	met06_master011	SAMPLE	492114-013	Wipe	322274	09/13/23 15:29	1.0	1	1:FE=84
132	met06_master011	SAMPLE	492114-014	Wipe	322274	09/13/23 15:32	1.0	1	1:FE=100
133	met06_master011	CCV				09/13/23 15:36	1.0	10 1	
134	met06_master011	CCB				09/13/23 15:39	1.0	1	
135	met06_master011	SAMPLE	492114-016	Wipe	322274	09/13/23 15:42	1.0	1	1:FE=65
136	met06_master011	SAMPLE	492114-018	Wipe	322274	09/13/23 15:45	1.0	1	1:FE=63
137	met06_master011	SAMPLE	492114-020	Wipe	322274	09/13/23 15:49	1.0	1	1:FE=81
138	met06_master011	SAMPLE	492114-023	Wipe	322274	09/13/23 15:52	1.0	1	1:FE=95
139	met06_master011	SAMPLE	492114-025	Wipe	322274	09/13/23 15:55	1.0	1	1:FE=54
140	met06_master011	SAMPLE	492114-027	Wipe	322274	09/13/23 15:58	1.0	1	1:FE=87
141	met06_master011	SAMPLE	492114-029	Wipe	322274	09/13/23 16:02	1.0	1	1:FE=62
142	met06_master011	SAMPLE	492114-032	Wipe	322274	09/13/23 16:05	1.0	1	1:FE=92
143	met06_master011	SAMPLE	492114-034	Wipe	322274	09/13/23 16:08	1.0	1	1:FE=46
144	met06_master011	SAMPLE	492114-036	Wipe	322274	09/13/23 16:11	1.0	1	1:FE=95
145	met06_master011	CCV				09/13/23 16:15	1.0	10 1	
146	met06_master011	CCB				09/13/23 16:18	1.0	1	
147	met06_master011	SAMPLE	492114-038	Wipe	322274	09/13/23 16:21	1.0	1	1:FE=64
148	met06_master011	SAMPLE	492114-040	Wipe	322274	09/13/23 16:24	1.0	1	1:FE=72
149	met06_master011	SAMPLE	492114-042	Wipe	322274	09/13/23 16:27	1.0	1	1:FE=63
150	met06_master011	CCV				09/13/23 16:31	1.0	10 1	
151	met06_master011	CCB				09/13/23 16:34	1.0	1	
152	met06_master011	SAMPLE	492110-045	Wipe	322286	09/13/23 20:13	1.0	1	
153	met06_master011	SAMPLE	492114-043	Wipe	322286	09/13/23 20:16	1.0	1	1:FE=63
154	met06_master011	SAMPLE	492114-045	Wipe	322286	09/13/23 20:19	1.0	1	1:FE=71
155	met06_master011	SAMPLE	492114-047	Wipe	322286	09/13/23 20:23	1.0	1	1:FE=34
156	met06_master011	SAMPLE	492114-049	Wipe	322286	09/13/23 20:26	1.0	1	1:FE=85

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master011	SAMPLE	492114-051	Wipe	322286	09/13/23 20:29	1.0	1	1:FE=73
158	met06_master011	BLANK	QC1093249	Wipe	322285	09/13/23 20:32	1.0	1	
159	met06_master011	BS	QC1093250	Wipe	322285	09/13/23 20:36	1.0	1	
160	met06_master011	BSD	QC1093251	Wipe	322285	09/13/23 20:39	1.0	1	
161	met06_master011	SAMPLE	492059-002	Wipe	322285	09/13/23 20:42	1.0	1	1:FE=65
162	met06_master011	CCV				09/13/23 20:52	1.0	10 1	
163	met06_master011	CCB				09/13/23 20:56	1.0	1	
164	met06_master011	SAMPLE	492059-004	Wipe	322285	09/13/23 20:59	1.0	1	1:FE=76
165	met06_master011	SAMPLE	492059-006	Wipe	322285	09/13/23 21:02	1.0	1	1:FE=36
166	met06_master011	SAMPLE	492059-007	Wipe	322285	09/13/23 21:05	1.0	1	1:FE=40
167	met06_master011	SAMPLE	492059-009	Wipe	322285	09/13/23 21:09	1.0	1	1:FE=110
168	met06_master011	SAMPLE	492059-012	Wipe	322285	09/13/23 21:12	1.0	1	1:FE=89
169	met06_master011	SAMPLE	492059-014	Wipe	322285	09/13/23 21:15	1.0	1	1:FE=77
170	met06_master011	SAMPLE	492059-017	Wipe	322285	09/13/23 21:18	1.0	1	1:FE=77
171	met06_master011	SAMPLE	492059-019	Wipe	322285	09/13/23 21:22	1.0	1	1:FE=41
172	met06_master011	SAMPLE	492059-021	Wipe	322285	09/13/23 21:25	1.0	1	1:FE=36
173	met06_master011	SAMPLE	492059-022	Wipe	322285	09/13/23 21:28	1.0	1	1:FE=30
174	met06_master011	CCV				09/13/23 21:31	1.0	10 1	
175	met06_master011	CCB				09/13/23 21:35	1.0	1	
176	met06_master011	SAMPLE	492059-024	Wipe	322285	09/13/23 21:38	1.0	1	1:FE=120
177	met06_master011	SAMPLE	492110-002	Wipe	322285	09/13/23 21:41	1.0	1	1:FE=60
178	met06_master011	SAMPLE	492110-004	Wipe	322285	09/13/23 21:44	1.0	1	1:FE=51
179	met06_master011	SAMPLE	492110-006	Wipe	322285	09/13/23 21:47	1.0	1	1:FE=80
180	met06_master011	SAMPLE	492110-008	Wipe	322285	09/13/23 21:51	1.0	1	1:FE=66
181	met06_master011	SAMPLE	492110-010	Wipe	322285	09/13/23 21:54	1.0	1	1:FE=98
182	met06_master011	SAMPLE	492110-012	Wipe	322285	09/13/23 21:57	1.0	1	1:FE=49

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
183	met06_master011	SAMPLE	492110-014	Wipe	322285	09/13/23 22:00	1.0	1	1:FE=83
184	met06_master011	SAMPLE	492110-016	Wipe	322285	09/13/23 22:04	1.0	1	1:FE=92
185	met06_master011	BLANK	QC1093279	Soil	322300	09/13/23 22:07	1.0	1	
186	met06_master011	CCV				09/13/23 22:10	1.0	10 1	
187	met06_master011	CCB				09/13/23 22:13	1.0	1	
188	met06_master011	LCS	QC1093280	Soil	322300	09/13/23 22:17	1.0	1	
189	met06_master011	SAMPLE	491899-016	Soil	322300	09/13/23 22:20	1.0	1	3:FE=200
190	met06_master011	SAMPLE	492051-007	Soil	322300	09/13/23 22:23	1.0	1	3:FE=180
191	met06_master011	MSS	492081-001	Miscell.	322300	09/13/23 22:26	1.0	1	4:FEASFE2O3=170
192	met06_master011	MS	QC1093281	Miscell.	322300	09/13/23 22:30	1.0	1	5:FEASFE2O3=190
193	met06_master011	MSD	QC1093282	Miscell.	322300	09/13/23 22:33	1.0	1	5:ALASAL2O3=190
194	met06_master011	PDS	QC1093283	Miscell.	322300	09/13/23 22:36	1.0	1	4:FEASFE2O3=170
195	met06_master011	SAMPLE	492081-002	Miscell.	322300	09/13/23 22:39	1.0	1	2:FE=120
196	met06_master011	SAMPLE	492081-003	Miscell.	322300	09/13/23 22:43	1.0	1	2:FE=140
197	met06_master011	SAMPLE	492081-016	Soil	322300	09/13/23 22:46	1.0	1	3:FE=200
198	met06_master011	CCV				09/13/23 22:49	1.0	10 1	
199	met06_master011	CCB				09/13/23 22:52	1.0	1	
200	met06_master011	SAMPLE	492081-017	Soil	322300	09/13/23 22:56	1.0	1	3:FE=180
201	met06_master011	SAMPLE	492081-018	Soil	322300	09/13/23 22:59	1.0	1	3:FE=200
202	met06_master011	SAMPLE	492092-001	Miscell.	322300	09/13/23 23:02	1.0	1	2:FE=120
203	met06_master011	SAMPLE	492092-002	Miscell.	322300	09/13/23 23:05	1.0	1	1:FE=44
204	met06_master011	SAMPLE	492092-003	Miscell.	322300	09/13/23 23:08	1.0	1	2:FE=94
205	met06_master011	SAMPLE	492097-001	Soil	322300	09/13/23 23:12	1.0	1	2:AL=190
206	met06_master011	SAMPLE	492097-002	Soil	322300	09/13/23 23:15	1.0	1	2:AL=220
207	met06_master011	SAMPLE	492124-001	Soil	322300	09/13/23 23:18	1.0	1	2:FE=120
208	met06_master011	SAMPLE	492124-002	Soil	322300	09/13/23 23:21	1.0	1	2:FE=140

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master011	SAMPLE	492124-005	Soil	322300	09/13/23 23:25	1.0	1	2:AL=180
210	met06_master011	CCV				09/13/23 23:28	1.0	10 1	
211	met06_master011	CCB				09/13/23 23:31	1.0	1	
212	met06_master011	SAMPLE	492124-006	Soil	322300	09/13/23 23:34	1.0	1	2:FE=190
213	met06_master011	SAMPLE	492147-001	Miscell.	322300	09/13/23 23:38	1.0	1	3:FE=150
214	met06_master011	SAMPLE	492147-002	Miscell.	322300	09/13/23 23:41	1.0	1	3:FE=160
215	met06_master011	BLANK	QC1093254	Wipe	322286	09/13/23 23:44	1.0	1	
216	met06_master011	BS	QC1093255	Wipe	322286	09/13/23 23:48	1.0	1	
217	met06_master011	BSD	QC1093256	Wipe	322286	09/13/23 23:51	1.0	1	
218	met06_master011	SAMPLE	492110-018	Wipe	322286	09/13/23 23:54	1.0	1	1:FE=110
219	met06_master011	SAMPLE	492110-020	Wipe	322286	09/13/23 23:57	1.0	1	1:FE=61
220	met06_master011	SAMPLE	492110-022	Wipe	322286	09/14/23 00:00	1.0	1	1:FE=62
221	met06_master011	SAMPLE	492110-024	Wipe	322286	09/14/23 00:04	1.0	1	1:FE=100
222	met06_master011	CCV				09/14/23 00:07	1.0	10 1	
223	met06_master011	CCB				09/14/23 00:10	1.0	1	
224	met06_master011	SAMPLE	492110-026	Wipe	322286	09/14/23 00:13	1.0	1	1:FE=68
225	met06_master011	SAMPLE	492110-028	Wipe	322286	09/14/23 00:17	1.0	1	1:FE=74
226	met06_master011	SAMPLE	492110-030	Wipe	322286	09/14/23 00:20	1.0	1	1:FE=71
227	met06_master011	SAMPLE	492110-032	Wipe	322286	09/14/23 00:23	1.0	1	1:FE=38
228	met06_master011	SAMPLE	492110-034	Wipe	322286	09/14/23 00:27	1.0	1	1:FE=64
229	met06_master011	SAMPLE	492110-036	Wipe	322286	09/14/23 00:30	1.0	1	1:FE=48
230	met06_master011	SAMPLE	492110-038	Wipe	322286	09/14/23 00:33	1.0	1	1:FE=73
231	met06_master011	SAMPLE	492110-040	Wipe	322286	09/14/23 00:36	1.0	1	1:FE=54
232	met06_master011	SAMPLE	492110-042	Wipe	322286	09/14/23 00:40	1.0	1	1:FE=51
233	met06_master011	SAMPLE	492110-044	Wipe	322286	09/14/23 00:43	1.0	1	
234	met06_master011	CCV				09/14/23 00:46	1.0	10 1	

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
235	met06_master011	CCB				09/14/23 00:49	1.0	1	
236	met06_master011	BLANK	QC1093257	Wipe	322287	09/14/23 00:52	1.0	1	
237	met06_master011	BS	QC1093258	Wipe	322287	09/14/23 00:56	1.0	1	
238	met06_master011	BSD	QC1093259	Wipe	322287	09/14/23 00:59	1.0	1	
239	met06_master011	SAMPLE	492114-052	Wipe	322287	09/14/23 01:02	1.0	1	1:FE=94
240	met06_master011	SAMPLE	492114-054	Wipe	322287	09/14/23 01:05	1.0	1	1:FE=55
241	met06_master011	SAMPLE	492114-056	Wipe	322287	09/14/23 01:09	1.0	1	1:FE=39
242	met06_master011	SAMPLE	492114-058	Wipe	322287	09/14/23 01:12	1.0	1	1:FE=52
243	met06_master011	SAMPLE	492114-060	Wipe	322287	09/14/23 01:15	1.0	1	1:FE=64
244	met06_master011	SAMPLE	492114-062	Wipe	322287	09/14/23 01:18	1.0	1	1:FE=110
245	met06_master011	SAMPLE	492114-064	Wipe	322287	09/14/23 01:22	1.0	1	1:FE=72
246	met06_master011	CCV				09/14/23 01:25	1.0	10 1	
247	met06_master011	CCB				09/14/23 01:28	1.0	1	
248	met06_master011	SAMPLE	492114-066	Wipe	322287	09/14/23 01:31	1.0	1	1:FE=100
249	met06_master011	SAMPLE	492114-068	Wipe	322287	09/14/23 01:35	1.0	1	1:FE=38
250	met06_master011	SAMPLE	492114-070	Wipe	322287	09/14/23 01:38	1.0	1	1:FE=64
251	met06_master011	SAMPLE	492114-072	Wipe	322287	09/14/23 01:41	1.0	1	1:FE=56
252	met06_master011	SAMPLE	492114-074	Wipe	322287	09/14/23 01:44	1.0	1	
253	met06_master011	SAMPLE	492114-075	Wipe	322287	09/14/23 01:48	1.0	1	
254	met06_master011	SAMPLE	492114-077	Wipe	322287	09/14/23 01:51	1.0	1	
255	met06_master011	SAMPLE	492114-078	Wipe	322287	09/14/23 01:54	1.0	1	
256	met06_master011	SAMPLE	492114-080	Wipe	322287	09/14/23 01:57	1.0	1	
257	met06_master011	SAMPLE	492114-081	Wipe	322287	09/14/23 02:01	1.0	1	
258	met06_master011	CCV				09/14/23 02:04	1.0	10 1	
259	met06_master011	CCB				09/14/23 02:07	1.0	1	
260	met06_master011	CCV				09/14/23 02:10	1.0	10 1	

Enthalpy Sequence Summary for Sequence 483369139

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
261	met06_master011	CCB				09/14/23 02:13	1.0	1	

SBW 09/13/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 038.

SBW 09/13/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 039 through 079.

SBW 09/14/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 080 through 261.

Standards Used:
1=S14463 2=S18961 3=S18960 4=S18959 5=S18958 6=S18957 7=S18729 8=S18726 9=S18727 10=S18956 11=S18728 12=S18677 13=S18816

Enthalpy Internal Standard Summary for Sequence 483369139

Date: 09/13/23 Reference: met06_master011

Sequence: MET06 09/13/23 Analyzed: 09/13/23 08:19

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	42243600	2458930	1402170
		LOWER LIMIT	12673080	737679	420651
		UPPER LIMIT	84487200	4917860	2804340
012	ICB		39324700	2440150	1337110
013	ICSA		36427200	2131210	1251650
014	ICSAB		33605000	2119070	1235550
015	BLANK	QC1092903	41500300	2501100	1357120
016	LCS	QC1092904	41218000	2397060	1332340
017	SAMPLE	492017-001	37171700	2374750	1316510
018	SAMPLE	492017-002	35034900	2383790	1320180
019	SAMPLE	492017-003	38858800	2409820	1329030
020	MSS	491959-001	38976500	2343690	1310500
021	MS	QC1092905	38600400	2316210	1298520
022	MSD	QC1092906	38410600	2318180	1304930
023	BLANK	QC1092884	35513200	2203510	1257900
024	LCS	QC1092885	35730300	2193860	1253620
025	CCV		39068300	2338650	1299250
026	CCB		41091600	2452120	1338330
027	MSS	491176-039	34816100	2115690	1237900
028	MS	QC1092886	34620900	2101290	1224760
029	MSD	QC1092887	34628000	2098940	1245030
030	BLANK	QC1092987	41325000	2469820	1336730
031	LCS	QC1092988	40957800	2438580	1340780
032	MSS	491573-054	39091600	2339210	1315880
033	MS	QC1092989	38732100	2325030	1294830
034	MSD	QC1092990	38592300	2327400	1304630
035	PDS	QC1092991	38914400	2361690	1307120
036	SAMPLE	492064-001	37109300	2194690	1254320
037	CCV		39040700	2356910	1284790
038	CCB		41987200	2493220	1338710
044	SAMPLE	492027-001	43881200	2520410	1360010
045	SAMPLE	491102-015	38922800	2348050	1308220
046	SAMPLE	491102-017	39055400	2360690	1303970
047	SAMPLE	491102-025	39275300	2357600	1306670
048	SAMPLE	491102-032	38778500	2357540	1302540
049	CCV		39188400	2388310	1297960
050	CCB		41364300	2510070	1341020
051	SAMPLE	491573-055	38861200	2363180	1301510
052	SAMPLE	491981-001	37662600	2281750	1270660
053	SAMPLE	492042-001	38991800	2364570	1291110
054	SAMPLE	492042-002	38700500	2379950	1318820
055	SAMPLE	492042-003	39725500	2397670	1306100
056	SAMPLE	492042-004	39556900	2405960	1309030
057	SAMPLE	492042-005	38970100	2375660	1313430
058	SAMPLE	492042-006	39233900	2380660	1290170
059	SAMPLE	492042-007	40399700	2457380	1310950
060	SAMPLE	492042-008	40171900	2425180	1305910
061	CCV		39625600	2403350	1293480
062	CCB		41968100	2535650	1344750
063	SAMPLE	492042-009	39034800	2382270	1301760
064	SAMPLE	492042-010	39037600	2380310	1303270

Enthalpy Internal Standard Summary for Sequence 483369139

Date: 09/13/23 Reference: met06_master011
Sequence: MET06 09/13/23 Analyzed: 09/13/23 08:19

#	Type	Sample ID	Y H	Y A	Y R
065	SAMPLE	492042-011	39711500	2442890	1317470
066	SAMPLE	492042-012	39388700	2402670	1298670
067	BLANK	QC1093035	40948400	2490000	1326080
068	LCS	QC1093036	39883300	2440860	1301760
069	MSS	492051-001	39190700	2393260	1288220
070	MS	QC1093037	38681800	2370750	1297630
071	MSD	QC1093038	38782200	2371910	1299360
072	PDS	QC1093039	39217700	2398110	1294890
073	CCV		40041200	2448780	1294370
074	CCB		41970400	2564660	1348120
075	SAMPLE	492051-006	38225900	2357930	1279020
076	SAMPLE	492076-001	39478200	2429790	1306640
077	SAMPLE	492076-003	39114000	2385440	1288650
078	SAMPLE	492088-013	39029300	2403000	1298600
079	SAMPLE	492088-014	39982000	2464740	1298310
080	SAMPLE	492088-015	40002700	2472070	1294620
081	BLANK	QC1093106	42138400	2569440	1341520
082	LCS	QC1093107	41342000	2524610	1322820
083	SAMPLE	492056-001	39664100	2424860	1297520
084	SAMPLE	492056-002	40365300	2457200	1317270
085	CCV		40039900	2458640	1299480
086	CCB		42301400	2603470	1341420
087	SAMPLE	492056-003	39746100	2433460	1311900
088	SAMPLE	492056-004	39920200	2449350	1304900
089	SAMPLE	492056-005	40229900	2459900	1302570
090	SAMPLE	492056-006	40088900	2441710	1299170
091	MSS	492076-004	40546400	2499550	1308720
092	MS	QC1093108	40134500	2488220	1300340
093	MSD	QC1093109	40020200	2477130	1297160
094	PDS	QC1093110	40401000	2495210	1304010
095	BLANK	QC1093205	43621000	2687400	1355480
096	LCS	QC1093206	41894400	2575570	1312250
097	CCV		39703300	2443360	1288210
098	CCB		41660800	2573640	1318930
099	MSS	492091-001	39350000	2449270	1279850
100	MS	QC1093207	38684000	2434890	1284940
101	MSD	QC1093208	39195500	2447200	1293850
102	SAMPLE	492091-002	40608800	2528030	1306160
103	BLANK	QC1093201	43107300	2669970	1306710
104	LCS	QC1093202	40911300	2560140	1270940
105	SAMPLE	489255-001	39677700	2483060	1236220
106	MSS	489255-002	41139400	2563950	1278510
107	MS	QC1093203	39846900	2504080	1270180
108	MSD	QC1093204	39825100	2500470	1252120
109	CCV		38345400	2413550	1221030
110	CCB		40757600	2558570	1265390
111	SAMPLE	489255-003	43020000	2669090	1300990
112	SAMPLE	489255-004	42746800	2662820	1304330
113	SAMPLE	489255-006	40307100	2521280	1273350
114	SAMPLE	489255-007	40039400	2517640	1257460
115	SAMPLE	489255-008	39955300	2511630	1270400
116	SAMPLE	489255-009	40872700	2574000	1293180

Enthalpy Internal Standard Summary for Sequence 483369139

Date:	09/13/23	Reference:	met06_master011
Sequence:	MET06 09/13/23	Analyzed:	09/13/23 08:19

#	Type	Sample ID	Y H	Y A	Y R
117	SAMPLE	489255-010	41027400	2583680	1280090
118	SAMPLE	489255-011	40787000	2545560	1284080
119	SAMPLE	489255-012	41376300	2595930	1307260
120	SAMPLE	489282-001	41033600	2547350	1299130
121	CCV		39211000	2448530	1239190
122	CCB		39073900	2578130	1289090
123	BLANK	QC1093220	39521400	2450830	1232370
124	BS	QC1093221	39263800	2436240	1229750
125	BSD	QC1093222	40503300	2522610	1271170
126	SAMPLE	492114-003	40965900	2549600	1283350
127	SAMPLE	492114-005	39587200	2434470	1246800
128	SAMPLE	492114-007	39775700	2451260	1257090
129	SAMPLE	492114-009	41009900	2512300	1286130
130	SAMPLE	492114-011	40724100	2497590	1265390
131	SAMPLE	492114-013	40901600	2477580	1273040
132	SAMPLE	492114-014	40245600	2480240	1260880
133	CCV		40986200	2553560	1303220
134	CCB		43044200	2666940	1328820
135	SAMPLE	492114-016	40226100	2459940	1265460
136	SAMPLE	492114-018	40210300	2475710	1267040
137	SAMPLE	492114-020	39887100	2454560	1261740
138	SAMPLE	492114-023	40133100	2467780	1260490
139	SAMPLE	492114-025	39245700	2506420	1274830
140	SAMPLE	492114-027	41327000	2526120	1282120
141	SAMPLE	492114-029	40308900	2475770	1265800
142	SAMPLE	492114-032	40684200	2528920	1288700
143	SAMPLE	492114-034	40365000	2484640	1279770
144	SAMPLE	492114-036	40025000	2485380	1257700
145	CCV		41597700	2597920	1317300
146	CCB		43888100	2708510	1348580
147	SAMPLE	492114-038	40570500	2499330	1276170
148	SAMPLE	492114-040	40941800	2503870	1276220
149	SAMPLE	492114-042	40731100	2502200	1284050
150	CCV		41766500	2582650	1326370
151	CCB		43480800	2660770	1336910
152	SAMPLE	492110-045	44213600	2646370	1407230
153	SAMPLE	492114-043	43982400	2625230	1408540
154	SAMPLE	492114-045	44180200	2666390	1467470
155	SAMPLE	492114-047	43046000	2594160	1378080
156	SAMPLE	492114-049	42184800	2559320	1364860
157	SAMPLE	492114-051	43089000	2591920	1372760
158	BLANK	QC1093249	43771600	2658070	1405430
159	BS	QC1093250	43135900	2628750	1393090
160	BSD	QC1093251	43216300	2624040	1392300
161	SAMPLE	492059-002	42656100	2549240	1368370
162	CCV		43211600	2602060	1384300
163	CCB		45248500	2705450	1432800
164	SAMPLE	492059-004	41216000	2497600	1334290
165	SAMPLE	492059-006	41835300	2508630	1349320
166	SAMPLE	492059-007	41352300	2484520	1329390
167	SAMPLE	492059-009	42051300	2496640	1359960
168	SAMPLE	492059-012	42747200	2548340	1378360

Enthalpy Internal Standard Summary for Sequence 483369139

Date:	09/13/23	Reference:	met06_master011
Sequence:	MET06 09/13/23	Analyzed:	09/13/23 08:19

#	Type	Sample ID	Y H	Y A	Y R
169	SAMPLE	492059-014	42689800	2571160	1361530
170	SAMPLE	492059-017	42027800	2530970	1347850
171	SAMPLE	492059-019	42174300	2524770	1356170
172	SAMPLE	492059-021	42213700	2520500	1354950
173	SAMPLE	492059-022	42563800	2552120	1376230
174	CCV		42211100	2559670	1381560
175	CCB		44675100	2705820	1421320
176	SAMPLE	492059-024	41351800	2458100	1320530
177	SAMPLE	492110-002	41987800	2524760	1358610
178	SAMPLE	492110-004	41613800	2476030	1357300
179	SAMPLE	492110-006	43038100	2551070	1371330
180	SAMPLE	492110-008	41439200	2492430	1330600
181	SAMPLE	492110-010	41893000	2495970	1353500
182	SAMPLE	492110-012	42245000	2517170	1340750
183	SAMPLE	492110-014	41664000	2486290	1327510
184	SAMPLE	492110-016	41525500	2491170	1355570
185	BLANK	QC1093279	44650300	2690790	1419940
186	CCV		41634800	2554420	1368560
187	CCB		43804600	2651270	1386700
188	LCS	QC1093280	43286300	2624010	1396010
189	SAMPLE	491899-016	41118900	2488900	1363390
190	SAMPLE	492051-007	40717800	2472980	1338980
191	MSS	492081-001	42029900	2526300	1376710
192	MS	QC1093281	40226500	2444890	1330830
193	MSD	QC1093282	41053200	2487860	1349210
194	PDS	QC1093283	41391300	2508180	1373260
195	SAMPLE	492081-002	41453000	2516330	1354120
196	SAMPLE	492081-003	41525800	2513480	1370730
197	SAMPLE	492081-016	41593100	2445940	1346040
198	CCV		40992000	2514730	1361670
199	CCB		43972300	2621580	1378700
200	SAMPLE	492081-017	40372100	2431980	1346520
201	SAMPLE	492081-018	39871300	2426400	1340970
202	SAMPLE	492092-001	41525200	2517340	1369470
203	SAMPLE	492092-002	38849900	2347100	1315670
204	SAMPLE	492092-003	41627100	2524100	1381920
205	SAMPLE	492097-001	40334200	2471610	1335640
206	SAMPLE	492097-002	40070400	2450580	1326230
207	SAMPLE	492124-001	41452800	2527890	1368220
208	SAMPLE	492124-002	41625300	2514190	1343860
209	SAMPLE	492124-005	40864800	2506970	1356520
210	CCV		40900100	2513960	1339680
211	CCB		42597400	2608390	1391530
212	SAMPLE	492124-006	41164700	2495840	1351170
213	SAMPLE	492147-001	40184300	2462370	1347390
214	SAMPLE	492147-002	40761100	2459040	1336680
215	BLANK	QC1093254	42500400	2550830	1354390
216	BS	QC1093255	41573800	2499190	1319380
217	BSD	QC1093256	42260400	2517500	1321680
218	SAMPLE	492110-018	40905500	2455080	1316920
219	SAMPLE	492110-020	41064300	2464170	1330540
220	SAMPLE	492110-022	40749200	2417560	1299750

Enthalpy Internal Standard Summary for Sequence 483369139

Date:	09/13/23	Reference:	met06_master011
Sequence:	MET06 09/13/23	Analyzed:	09/13/23 08:19

#	Type	Sample ID	Y H	Y A	Y R
221	SAMPLE	492110-024	40740100	2430390	1301610
222	CCV		40800600	2481250	1319600
223	CCB		43252500	2623940	1374690
224	SAMPLE	492110-026	39695300	2372940	1289790
225	SAMPLE	492110-028	41726800	2465200	1322660
226	SAMPLE	492110-030	41012900	2441410	1310190
227	SAMPLE	492110-032	41565800	2450710	1323230
228	SAMPLE	492110-034	40438800	2407100	1305540
229	SAMPLE	492110-036	40579000	2396210	1286120
230	SAMPLE	492110-038	40885200	2424970	1302250
231	SAMPLE	492110-040	41062200	2433320	1300440
232	SAMPLE	492110-042	40886500	2429010	1295340
233	SAMPLE	492110-044	40062600	2383420	1275490
234	CCV		40277400	2472320	1326050
235	CCB		42609600	2578740	1368740
236	BLANK	QC1093257	41032800	2448860	1308600
237	BS	QC1093258	40347400	2423140	1298950
238	BSD	QC1093259	41053700	2435140	1305760
239	SAMPLE	492114-052	40726400	2410890	1287250
240	SAMPLE	492114-054	38490200	2432830	1310240
241	SAMPLE	492114-056	40117900	2383160	1297260
242	SAMPLE	492114-058	40019900	2401540	1277820
243	SAMPLE	492114-060	40899400	2417500	1300870
244	SAMPLE	492114-062	40523300	2413940	1289050
245	SAMPLE	492114-064	39962300	2372410	1285270
246	CCV		40659600	2461020	1306390
247	CCB		42542000	2542030	1342690
248	SAMPLE	492114-066	39728400	2360510	1279940
249	SAMPLE	492114-068	40234900	2373690	1287190
250	SAMPLE	492114-070	41320800	2441540	1316720
251	SAMPLE	492114-072	40533700	2405400	1305100
252	SAMPLE	492114-074	40711100	2429500	1316100
253	SAMPLE	492114-075	41112500	2428930	1300510
254	SAMPLE	492114-077	40579400	2391160	1295770
255	SAMPLE	492114-078	41200900	2437010	1301390
256	SAMPLE	492114-080	40735600	2418820	1289780
257	SAMPLE	492114-081	41276900	2444710	1296010
258	CCV		40376900	2431890	1304690
259	CCB		42915700	2558080	1340930
260	CCV		40163600	2366320	1283680
261	CCB		41891900	2510750	1335810

ENTHALPY INITIAL CALIBRATION FOR 492059 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	483369139001	Date:	13-SEP-2023 08:19
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483369139002	L1	13-SEP-2023 08:23	S18961, S14463 (100X)
L2	met06_master011	483369139003	L2	13-SEP-2023 08:26	S18960, S14463 (100X)
L3	met06_master011	483369139004	L3	13-SEP-2023 08:29	S18959, S14463 (100X)
L4	met06_master011	483369139005	L4	13-SEP-2023 08:32	S18958, S14463 (100X)
L5	met06_master011	483369139006	L5	13-SEP-2023 08:36	S18957, S14463 (100X)
L6	met06_master011	483369139007	L6	13-SEP-2023 08:39	S18729, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00164	30.9995		0.0288	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	0.0119	0.0275	0.0351	0.0337	0.0327	0.0321

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-14	0.0100	2	0.1000	11	1.0000	5	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06		
Calnum:	483369139001	Cal Date:	13-SEP-2023

- ICV 483369139010 (13-SEP-2023) stds: S18956, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.002	mg/l	0	10	

ENTHALPY INSTRUMENT BLANK FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139012	File:	met06_master011	Time:	13-SEP-2023 08:56
Cal:	483369139001	Caldate:	13-SEP-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003334	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	39324700	-6.91
Yttrium	A	2458930	2440150	-0.76
Yttrium	R	1402170	1337110	-4.64

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139013	File:	met06_master011	Time:	13-SEP-2023 08:59
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18677, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.004082	0.003334	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	139.5	mg/l	87	
Aluminum	R	400.0	375.7	mg/l	94	
Calcium	R	400.0	384.5	mg/l	96	
Magnesium	R	400.0	373.3	mg/l	93	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	36427200	-13.77
Yttrium	A	2458930	2131210	-13.33
Yttrium	R	1402170	1251650	-10.73

!=warning +=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139014	File:	met06_master011	Time:	13-SEP-2023 09:02
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18816, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.003	mg/l	0	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	33605000	-20.45
Yttrium	A	2458930	2119070	-13.82
Yttrium	R	1402170	1235550	-11.88

ENTHALPY CONTINUING CALIBRATION FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139150	File:	met06_master011	Time:	13-SEP-2023 16:31
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18956, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0288	0.0334	1.000	1.036	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	41766500	-1.13
Yttrium	A	2458930	2582650	5.03
Yttrium	R	1402170	1326370	-5.41

ENTHALPY INSTRUMENT BLANK FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139151	File:	met06_master011	Time:	13-SEP-2023 16:34
Cal:	483369139001	Caldate:	13-SEP-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003334	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	43480800	2.93
Yttrium	A	2458930	2660770	8.21
Yttrium	R	1402170	1336910	-4.65

ENTHALPY CONTINUING CALIBRATION FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139162	File:	met06_master011	Time:	13-SEP-2023 20:52
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18956, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0288	0.0319	1.000	0.9908	mg/l	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	43211600	2.29
Yttrium	A	2458930	2602060	5.82
Yttrium	R	1402170	1384300	-1.27

ENTHALPY INSTRUMENT BLANK FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139163	File:	met06_master011	Time:	13-SEP-2023 20:56
Cal:	483369139001	Caldate:	13-SEP-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003334	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	45248500	7.11
Yttrium	A	2458930	2705450	10.03
Yttrium	R	1402170	1432800	2.18

ENTHALPY CONTINUING CALIBRATION FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139174	File:	met06_master011	Time:	13-SEP-2023 21:31
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18956, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0288	0.0319	1.000	0.9915	mg/l	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	42211100	-0.08
Yttrium	A	2458930	2559670	4.10
Yttrium	R	1402170	1381560	-1.47

ENTHALPY INSTRUMENT BLANK FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139175	File:	met06_master011	Time:	13-SEP-2023 21:35
Cal:	483369139001	Caldate:	13-SEP-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003334	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	44675100	5.76
Yttrium	A	2458930	2705820	10.04
Yttrium	R	1402170	1421320	1.37

ENTHALPY CONTINUING CALIBRATION FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139186	File:	met06_master011	Time:	13-SEP-2023 22:10
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18956, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0288	0.0315	1.000	0.9793	mg/l	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	41634800	-1.44
Yttrium	A	2458930	2554420	3.88
Yttrium	R	1402170	1368560	-2.40

ENTHALPY INSTRUMENT BLANK FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139187	File:	met06_master011	Time:	13-SEP-2023 22:13
Cal:	483369139001	Caldate:	13-SEP-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003334	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	43804600	3.70
Yttrium	A	2458930	2651270	7.82
Yttrium	R	1402170	1386700	-1.10

SAMPLE PREPARATION SUMMARY

Batch #:	322285	Method:	3050B	Analysis:	ICP
Started By:	MTY	Prep Date:	13-SEP-2023 14:16	Finished By:	MTY

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18277	Spike S18800	Analysis
492059-002	Wipe	1 ft2	50 mL	50.0				6010
492059-004	Wipe	1 ft2	50 mL	50.0				6010
492059-006	Wipe	1 ft2	50 mL	50.0				6010
492059-007	Wipe	1 ft2	50 mL	50.0				6010
492059-009	Wipe	1 ft2	50 mL	50.0				6010
492059-012	Wipe	1 ft2	50 mL	50.0				6010
492059-014	Wipe	1 ft2	50 mL	50.0				6010
492059-017	Wipe	1 ft2	50 mL	50.0				6010
492059-019	Wipe	1 ft2	50 mL	50.0				6010
492059-021	Wipe	1 ft2	50 mL	50.0				6010
492059-022	Wipe	1 ft2	50 mL	50.0				6010
492059-024	Wipe	1 ft2	50 mL	50.0				6010
492110-002	Wipe	1.1104 ft2	50 mL	45.03				6010
492110-004	Wipe	1.03 ft2	50 mL	48.54				6010
492110-006	Wipe	1.1932 ft2	50 mL	41.90				6010
492110-008	Wipe	1 ft2	50 mL	50.0				6010
492110-010	Wipe	1 ft2	50 mL	50.0				6010
492110-012	Wipe	1 ft2	50 mL	50.0				6010
492110-014	Wipe	1 ft2	50 mL	50.0				6010
492110-016	Wipe	1 ft2	50 mL	50.0				6010
QC1093249 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1093250 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1093251 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP

Analyst: SBW 09/14/23

Reviewer: MCP 09/14/23

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

Initials: MY Prep Method: 3050B / 1420.2 / Other: _____ QC Batch #: 322285 Therm ID/Corr Factor: 94265 / 0

Prep Start, Date/Time: 9/13/23 14:16 Prep End, Date/Time: 9/13/23 16:04 HotBlock Temp (Obs/Cor), °C: 90 / 90

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	-----	-----	-----			25 50		
LCS	-----	-----	-----			MY 9/13/23		
492059-2	A		1 wipe	Sample				
-4				weight				
-6				in LIMS				
-7								
-9								
-12								
-14								
-17								
-19								
-21								
-22								
-24								
110-2								
-4								
-6								
-8								
-10								
-12								
-16								
LCSD								

Hydrochloric Acid ID: 10 ml 24000043

Nitric Acid ID: 10 ml 20230524B 1

H_2O_2 ID: 3 ml 227111

LCS Spike ID: 0.5 mL 518277, 518800

MS/MSD Spike ID: —

Gold Std ID: —

ICP Raw Data

Enthalpy Sequence Summary for Sequence 483369139

Instrument: MET06 Begun: 09/13/23 08:19

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			09/13/23 08:19	1.0	1	
002	met06_master011	ICAL	L1			09/13/23 08:23	1.0	2 1	
003	met06_master011	ICAL	L2			09/13/23 08:26	1.0	3 1	
004	met06_master011	ICAL	L3			09/13/23 08:29	1.0	4 1	
005	met06_master011	ICAL	L4			09/13/23 08:32	1.0	5 1	
006	met06_master011	ICAL	L5			09/13/23 08:36	1.0	6 1	
007	met06_master011	ICAL	L6			09/13/23 08:39	1.0	7 1	
008	met06_master011	ICAL	L7			09/13/23 08:42	1.0	8 1	
009	met06_master011	ICAL	L8			09/13/23 08:46	1.0	9 1	
010	met06_master011	ICV				09/13/23 08:49	1.0	10 1	
011	met06_master011	CRI				09/13/23 08:52	1.0	11 1	
012	met06_master011	ICB				09/13/23 08:56	1.0	1	
013	met06_master011	ICSA				09/13/23 08:59	1.0	12 1	6:MGASMGCO3=1300
014	met06_master011	ICSAB				09/13/23 09:02	1.0	13 1	6:MGASMGCO3=1300
015	met06_master011	BLANK	QC1092903	Water	322178	09/13/23 09:06	1.0	1	
016	met06_master011	LCS	QC1092904	Water	322178	09/13/23 09:09	1.0	1	
017	met06_master011	SAMPLE	492017-001	Water	322178	09/13/23 09:12	1.0	1	
018	met06_master011	SAMPLE	492017-002	Water	322178	09/13/23 09:16	1.0	1	
019	met06_master011	SAMPLE	492017-003	Water	322178	09/13/23 09:19	1.0	1	
020	met06_master011	MSS	491959-001	Water	322178	09/13/23 09:22	1.0	1	
021	met06_master011	MS	QC1092905	Water	322178	09/13/23 09:25	1.0	1	
022	met06_master011	MSD	QC1092906	Water	322178	09/13/23 09:28	1.0	1	
023	met06_master011	BLANK	QC1092884	TCLP Leachate	322174	09/13/23 09:32	1.0	1	1:NA=930
024	met06_master011	LCS	QC1092885	TCLP Leachate	322174	09/13/23 09:35	1.0	1	1:NA=940
025	met06_master011	CCV				09/13/23 09:38	1.0	10 1	
026	met06_master011	CCB				09/13/23 09:41	1.0	1	

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master011	MSS	491176-039	TCLP Leachate	322174	09/13/23 09:45	1.0	1	2:CAASCACO3=1500
028	met06_master011	MS	QC1092886	TCLP Leachate	322174	09/13/23 09:48	1.0	1	2:CAASCACO3=1500
029	met06_master011	MSD	QC1092887	TCLP Leachate	322174	09/13/23 09:51	1.0	1	2:CAASCACO3=1500
030	met06_master011	BLANK	QC1092987	Soil	322203	09/13/23 09:55	1.0	1	
031	met06_master011	LCS	QC1092988	Soil	322203	09/13/23 09:58	1.0	1	
032	met06_master011	MSS	491573-054	Soil	322203	09/13/23 10:02	1.0	1	5:FEASFE2O3=220
033	met06_master011	MS	QC1092989	Soil	322203	09/13/23 10:05	1.0	1	5:FEASFE2O3=240
034	met06_master011	MSD	QC1092990	Soil	322203	09/13/23 10:08	1.0	1	5:FEASFE2O3=260
035	met06_master011	PDS	QC1092991	Soil	322203	09/13/23 10:11	1.0	1	5:FEASFE2O3=210
036	met06_master011	SAMPLE	492064-001	Miscell.	322203	09/13/23 10:15	1.0	1	2:FE=120
037	met06_master011	CCV				09/13/23 10:18	1.0	10 1	
038	met06_master011	CCB				09/13/23 10:21	1.0	1	
039	met06_master011	UNKNOWN	MB			09/13/23 10:24	1.0	1	
040	met06_master011	UNKNOWN	6			09/13/23 10:28	1.0	1	
041	met06_master011	UNKNOWN	7			09/13/23 10:31	1.0	1	
042	met06_master011	UNKNOWN	CRI6			09/13/23 10:34	1.0	1	
043	met06_master011	UNKNOWN	CRI7			09/13/23 10:37	1.0	1	
044	met06_master011	SAMPLE	492027-001	Soil	322169	09/13/23 10:41	10.0	1	1:FE=28
045	met06_master011	SAMPLE	491102-015	Soil	322203	09/13/23 10:44	1.0	1	3:FE=160
046	met06_master011	SAMPLE	491102-017	Soil	322203	09/13/23 10:47	1.0	1	2:FE=140
047	met06_master011	SAMPLE	491102-025	Soil	322203	09/13/23 10:50	1.0	1	3:FE=140
048	met06_master011	SAMPLE	491102-032	Soil	322203	09/13/23 10:54	1.0	1	3:FE=150
049	met06_master011	CCV				09/13/23 10:57	1.0	10 1	
050	met06_master011	CCB				09/13/23 11:00	1.0	1	
051	met06_master011	SAMPLE	491573-055	Soil	322203	09/13/23 11:03	1.0	1	3:FE=190
052	met06_master011	SAMPLE	491981-001	Soil	322203	09/13/23 11:07	1.0	1	2:FE=230

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master011	SAMPLE	492042-001	Soil	322203	09/13/23 11:10	1.0	1	2:FE=200
054	met06_master011	SAMPLE	492042-002	Soil	322203	09/13/23 11:13	1.0	1	3:AL=230
055	met06_master011	SAMPLE	492042-003	Soil	322203	09/13/23 11:17	1.0	1	2:AL=170
056	met06_master011	SAMPLE	492042-004	Soil	322203	09/13/23 11:20	1.0	1	2:FE=140
057	met06_master011	SAMPLE	492042-005	Soil	322203	09/13/23 11:23	1.0	1	2:AL=200
058	met06_master011	SAMPLE	492042-006	Soil	322203	09/13/23 11:26	1.0	1	2:FE=200
059	met06_master011	SAMPLE	492042-007	Soil	322203	09/13/23 11:30	1.0	1	1:FE=25
060	met06_master011	SAMPLE	492042-008	Soil	322203	09/13/23 11:33	1.0	1	2:AL=48
061	met06_master011	CCV				09/13/23 11:36	1.0	10 1	
062	met06_master011	CCB				09/13/23 11:39	1.0	1	
063	met06_master011	SAMPLE	492042-009	Soil	322203	09/13/23 11:48	1.0	1	2:FE=190
064	met06_master011	SAMPLE	492042-010	Soil	322203	09/13/23 11:52	1.0	1	2:FE=190
065	met06_master011	SAMPLE	492042-011	Soil	322203	09/13/23 11:55	1.0	1	3:AL=190
066	met06_master011	SAMPLE	492042-012	Soil	322203	09/13/23 11:59	1.0	1	3:FE=190
067	met06_master011	BLANK	QC1093035	Soil	322219	09/13/23 12:02	1.0	1	
068	met06_master011	LCS	QC1093036	Soil	322219	09/13/23 12:05	1.0	1	
069	met06_master011	MSS	492051-001	Miscell.	322219	09/13/23 12:08	1.0	1	5:FEASFE2O3=230
070	met06_master011	MS	QC1093037	Miscell.	322219	09/13/23 12:12	1.0	1	5:FEASFE2O3=250
071	met06_master011	MSD	QC1093038	Miscell.	322219	09/13/23 12:15	1.0	1	5:FEASFE2O3=250
072	met06_master011	PDS	QC1093039	Miscell.	322219	09/13/23 12:18	1.0	1	5:FEASFE2O3=220
073	met06_master011	CCV				09/13/23 12:21	1.0	10 1	
074	met06_master011	CCB				09/13/23 12:25	1.0	1	
075	met06_master011	SAMPLE	492051-006	Soil	322219	09/13/23 12:28	1.0	1	3:FE=190
076	met06_master011	SAMPLE	492076-001	Miscell.	322219	09/13/23 12:31	1.0	1	3:FE=130
077	met06_master011	SAMPLE	492076-003	Miscell.	322219	09/13/23 12:34	1.0	1	2:FE=190
078	met06_master011	SAMPLE	492088-013	Soil	322219	09/13/23 12:38	1.0	1	3:FE=180

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master011	SAMPLE	492088-014	Soil	322219	09/13/23 12:41	1.0	1	2:AL=120
080	met06_master011	SAMPLE	492088-015	Soil	322219	09/13/23 12:44	1.0	1	2:AL=110
081	met06_master011	BLANK	QC1093106	Soil	322244	09/13/23 12:47	1.0	1	
082	met06_master011	LCS	QC1093107	Soil	322244	09/13/23 12:51	1.0	1	
083	met06_master011	SAMPLE	492056-001	Soil	322244	09/13/23 12:54	1.0	1	2:FE=92
084	met06_master011	SAMPLE	492056-002	Soil	322244	09/13/23 12:57	1.0	1	2:FE=170
085	met06_master011	CCV				09/13/23 13:00	1.0	10 1	
086	met06_master011	CCB				09/13/23 13:03	1.0	1	
087	met06_master011	SAMPLE	492056-003	Soil	322244	09/13/23 13:07	1.0	1	2:FE=150
088	met06_master011	SAMPLE	492056-004	Soil	322244	09/13/23 13:10	1.0	1	2:FE=150
089	met06_master011	SAMPLE	492056-005	Soil	322244	09/13/23 13:13	1.0	1	2:FE=130
090	met06_master011	SAMPLE	492056-006	Soil	322244	09/13/23 13:16	1.0	1	2:FE=140
091	met06_master011	MSS	492076-004	Soil	322244	09/13/23 13:20	1.0	1	4:ALASAL2O3=150
092	met06_master011	MS	QC1093108	Soil	322244	09/13/23 13:23	1.0	1	4:ALASAL2O3=200
093	met06_master011	MSD	QC1093109	Soil	322244	09/13/23 13:26	1.0	1	4:ALASAL2O3=230
094	met06_master011	PDS	QC1093110	Soil	322244	09/13/23 13:29	1.0	1	4:ALASAL2O3=150
095	met06_master011	BLANK	QC1093205	Filtrate	322270	09/13/23 13:32	1.0	1	
096	met06_master011	LCS	QC1093206	Filtrate	322270	09/13/23 13:36	1.0	1	
097	met06_master011	CCV				09/13/23 13:39	1.0	10 1	
098	met06_master011	CCB				09/13/23 13:42	1.0	1	
099	met06_master011	MSS	492091-001	Filtrate	322270	09/13/23 13:45	1.0	1	
100	met06_master011	MS	QC1093207	Filtrate	322270	09/13/23 13:49	1.0	1	
101	met06_master011	MSD	QC1093208	Filtrate	322270	09/13/23 13:52	1.0	1	
102	met06_master011	SAMPLE	492091-002	Filtrate	322270	09/13/23 13:55	1.0	1	
103	met06_master011	BLANK	QC1093201	Filtrate	322269	09/13/23 13:58	1.0	1	
104	met06_master011	LCS	QC1093202	Filtrate	322269	09/13/23 14:02	1.0	1	

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master011	SAMPLE	489255-001	Filtrate	322269	09/13/23 14:05	1.0	1	
106	met06_master011	MSS	489255-002	Filtrate	322269	09/13/23 14:08	1.0	1	
107	met06_master011	MS	QC1093203	Filtrate	322269	09/13/23 14:11	1.0	1	
108	met06_master011	MSD	QC1093204	Filtrate	322269	09/13/23 14:15	1.0	1	
109	met06_master011	CCV				09/13/23 14:18	1.0	10 1	
110	met06_master011	CCB				09/13/23 14:21	1.0	1	
111	met06_master011	SAMPLE	489255-003	Filtrate	322269	09/13/23 14:24	1.0	1	
112	met06_master011	SAMPLE	489255-004	Filtrate	322269	09/13/23 14:27	1.0	1	
113	met06_master011	SAMPLE	489255-006	Filtrate	322269	09/13/23 14:31	1.0	1	
114	met06_master011	SAMPLE	489255-007	Filtrate	322269	09/13/23 14:34	1.0	1	
115	met06_master011	SAMPLE	489255-008	Filtrate	322269	09/13/23 14:37	1.0	1	
116	met06_master011	SAMPLE	489255-009	Filtrate	322269	09/13/23 14:40	1.0	1	
117	met06_master011	SAMPLE	489255-010	Filtrate	322269	09/13/23 14:44	1.0	1	
118	met06_master011	SAMPLE	489255-011	Filtrate	322269	09/13/23 14:47	1.0	1	
119	met06_master011	SAMPLE	489255-012	Filtrate	322269	09/13/23 14:50	1.0	1	
120	met06_master011	SAMPLE	489282-001	Filtrate	322269	09/13/23 14:53	1.0	1	
121	met06_master011	CCV				09/13/23 14:57	1.0	10 1	
122	met06_master011	CCB				09/13/23 15:00	1.0	1	
123	met06_master011	BLANK	QC1093220	Wipe	322274	09/13/23 15:03	1.0	1	
124	met06_master011	BS	QC1093221	Wipe	322274	09/13/23 15:07	1.0	1	
125	met06_master011	BSD	QC1093222	Wipe	322274	09/13/23 15:10	1.0	1	
126	met06_master011	SAMPLE	492114-003	Wipe	322274	09/13/23 15:13	1.0	1	1:FE=72
127	met06_master011	SAMPLE	492114-005	Wipe	322274	09/13/23 15:16	1.0	1	1:FE=120
128	met06_master011	SAMPLE	492114-007	Wipe	322274	09/13/23 15:19	1.0	1	1:FE=110
129	met06_master011	SAMPLE	492114-009	Wipe	322274	09/13/23 15:23	1.0	1	1:FE=60
130	met06_master011	SAMPLE	492114-011	Wipe	322274	09/13/23 15:26	1.0	1	1:FE=54

Enthalpy Sequence Summary for Sequence 483369139

Instrument: MET06 Begun: 09/13/23 08:19

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
131	met06_master011	SAMPLE	492114-013	Wipe	322274	09/13/23 15:29	1.0	1	1:FE=84
132	met06_master011	SAMPLE	492114-014	Wipe	322274	09/13/23 15:32	1.0	1	1:FE=100
133	met06_master011	CCV				09/13/23 15:36	1.0	10 1	
134	met06_master011	CCB				09/13/23 15:39	1.0	1	
135	met06_master011	SAMPLE	492114-016	Wipe	322274	09/13/23 15:42	1.0	1	1:FE=65
136	met06_master011	SAMPLE	492114-018	Wipe	322274	09/13/23 15:45	1.0	1	1:FE=63
137	met06_master011	SAMPLE	492114-020	Wipe	322274	09/13/23 15:49	1.0	1	1:FE=81
138	met06_master011	SAMPLE	492114-023	Wipe	322274	09/13/23 15:52	1.0	1	1:FE=95
139	met06_master011	SAMPLE	492114-025	Wipe	322274	09/13/23 15:55	1.0	1	1:FE=54
140	met06_master011	SAMPLE	492114-027	Wipe	322274	09/13/23 15:58	1.0	1	1:FE=87
141	met06_master011	SAMPLE	492114-029	Wipe	322274	09/13/23 16:02	1.0	1	1:FE=62
142	met06_master011	SAMPLE	492114-032	Wipe	322274	09/13/23 16:05	1.0	1	1:FE=92
143	met06_master011	SAMPLE	492114-034	Wipe	322274	09/13/23 16:08	1.0	1	1:FE=46
144	met06_master011	SAMPLE	492114-036	Wipe	322274	09/13/23 16:11	1.0	1	1:FE=95
145	met06_master011	CCV				09/13/23 16:15	1.0	10 1	
146	met06_master011	CCB				09/13/23 16:18	1.0	1	
147	met06_master011	SAMPLE	492114-038	Wipe	322274	09/13/23 16:21	1.0	1	1:FE=64
148	met06_master011	SAMPLE	492114-040	Wipe	322274	09/13/23 16:24	1.0	1	1:FE=72
149	met06_master011	SAMPLE	492114-042	Wipe	322274	09/13/23 16:27	1.0	1	1:FE=63
150	met06_master011	CCV				09/13/23 16:31	1.0	10 1	
151	met06_master011	CCB				09/13/23 16:34	1.0	1	
152	met06_master011	SAMPLE	492110-045	Wipe	322286	09/13/23 20:13	1.0	1	
153	met06_master011	SAMPLE	492114-043	Wipe	322286	09/13/23 20:16	1.0	1	1:FE=63
154	met06_master011	SAMPLE	492114-045	Wipe	322286	09/13/23 20:19	1.0	1	1:FE=71
155	met06_master011	SAMPLE	492114-047	Wipe	322286	09/13/23 20:23	1.0	1	1:FE=34
156	met06_master011	SAMPLE	492114-049	Wipe	322286	09/13/23 20:26	1.0	1	1:FE=85

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#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master011	SAMPLE	492114-051	Wipe	322286	09/13/23 20:29	1.0	1	1:FE=73
158	met06_master011	BLANK	QC1093249	Wipe	322285	09/13/23 20:32	1.0	1	
159	met06_master011	BS	QC1093250	Wipe	322285	09/13/23 20:36	1.0	1	
160	met06_master011	BSD	QC1093251	Wipe	322285	09/13/23 20:39	1.0	1	
161	met06_master011	SAMPLE	492059-002	Wipe	322285	09/13/23 20:42	1.0	1	1:FE=65
162	met06_master011	CCV				09/13/23 20:52	1.0	10 1	
163	met06_master011	CCB				09/13/23 20:56	1.0	1	
164	met06_master011	SAMPLE	492059-004	Wipe	322285	09/13/23 20:59	1.0	1	1:FE=76
165	met06_master011	SAMPLE	492059-006	Wipe	322285	09/13/23 21:02	1.0	1	1:FE=36
166	met06_master011	SAMPLE	492059-007	Wipe	322285	09/13/23 21:05	1.0	1	1:FE=40
167	met06_master011	SAMPLE	492059-009	Wipe	322285	09/13/23 21:09	1.0	1	1:FE=110
168	met06_master011	SAMPLE	492059-012	Wipe	322285	09/13/23 21:12	1.0	1	1:FE=89
169	met06_master011	SAMPLE	492059-014	Wipe	322285	09/13/23 21:15	1.0	1	1:FE=77
170	met06_master011	SAMPLE	492059-017	Wipe	322285	09/13/23 21:18	1.0	1	1:FE=77
171	met06_master011	SAMPLE	492059-019	Wipe	322285	09/13/23 21:22	1.0	1	1:FE=41
172	met06_master011	SAMPLE	492059-021	Wipe	322285	09/13/23 21:25	1.0	1	1:FE=36
173	met06_master011	SAMPLE	492059-022	Wipe	322285	09/13/23 21:28	1.0	1	1:FE=30
174	met06_master011	CCV				09/13/23 21:31	1.0	10 1	
175	met06_master011	CCB				09/13/23 21:35	1.0	1	
176	met06_master011	SAMPLE	492059-024	Wipe	322285	09/13/23 21:38	1.0	1	1:FE=120
177	met06_master011	SAMPLE	492110-002	Wipe	322285	09/13/23 21:41	1.0	1	1:FE=60
178	met06_master011	SAMPLE	492110-004	Wipe	322285	09/13/23 21:44	1.0	1	1:FE=51
179	met06_master011	SAMPLE	492110-006	Wipe	322285	09/13/23 21:47	1.0	1	1:FE=80
180	met06_master011	SAMPLE	492110-008	Wipe	322285	09/13/23 21:51	1.0	1	1:FE=66
181	met06_master011	SAMPLE	492110-010	Wipe	322285	09/13/23 21:54	1.0	1	1:FE=98
182	met06_master011	SAMPLE	492110-012	Wipe	322285	09/13/23 21:57	1.0	1	1:FE=49

Instrument: MET06 Begun: 09/13/23 08:19
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#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
183	met06_master011	SAMPLE	492110-014	Wipe	322285	09/13/23 22:00	1.0	1	1:FE=83
184	met06_master011	SAMPLE	492110-016	Wipe	322285	09/13/23 22:04	1.0	1	1:FE=92
185	met06_master011	BLANK	QC1093279	Soil	322300	09/13/23 22:07	1.0	1	
186	met06_master011	CCV				09/13/23 22:10	1.0	10 1	
187	met06_master011	CCB				09/13/23 22:13	1.0	1	
188	met06_master011	LCS	QC1093280	Soil	322300	09/13/23 22:17	1.0	1	
189	met06_master011	SAMPLE	491899-016	Soil	322300	09/13/23 22:20	1.0	1	3:FE=200
190	met06_master011	SAMPLE	492051-007	Soil	322300	09/13/23 22:23	1.0	1	3:FE=180
191	met06_master011	MSS	492081-001	Miscell.	322300	09/13/23 22:26	1.0	1	4:FEASFE2O3=170
192	met06_master011	MS	QC1093281	Miscell.	322300	09/13/23 22:30	1.0	1	5:FEASFE2O3=190
193	met06_master011	MSD	QC1093282	Miscell.	322300	09/13/23 22:33	1.0	1	5:ALASAL2O3=190
194	met06_master011	PDS	QC1093283	Miscell.	322300	09/13/23 22:36	1.0	1	4:FEASFE2O3=170
195	met06_master011	SAMPLE	492081-002	Miscell.	322300	09/13/23 22:39	1.0	1	2:FE=120
196	met06_master011	SAMPLE	492081-003	Miscell.	322300	09/13/23 22:43	1.0	1	2:FE=140
197	met06_master011	SAMPLE	492081-016	Soil	322300	09/13/23 22:46	1.0	1	3:FE=200
198	met06_master011	CCV				09/13/23 22:49	1.0	10 1	
199	met06_master011	CCB				09/13/23 22:52	1.0	1	
200	met06_master011	SAMPLE	492081-017	Soil	322300	09/13/23 22:56	1.0	1	3:FE=180
201	met06_master011	SAMPLE	492081-018	Soil	322300	09/13/23 22:59	1.0	1	3:FE=200
202	met06_master011	SAMPLE	492092-001	Miscell.	322300	09/13/23 23:02	1.0	1	2:FE=120
203	met06_master011	SAMPLE	492092-002	Miscell.	322300	09/13/23 23:05	1.0	1	1:FE=44
204	met06_master011	SAMPLE	492092-003	Miscell.	322300	09/13/23 23:08	1.0	1	2:FE=94
205	met06_master011	SAMPLE	492097-001	Soil	322300	09/13/23 23:12	1.0	1	2:AL=190
206	met06_master011	SAMPLE	492097-002	Soil	322300	09/13/23 23:15	1.0	1	2:AL=220
207	met06_master011	SAMPLE	492124-001	Soil	322300	09/13/23 23:18	1.0	1	2:FE=120
208	met06_master011	SAMPLE	492124-002	Soil	322300	09/13/23 23:21	1.0	1	2:FE=140

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
209	met06_master011	SAMPLE	492124-005	Soil	322300	09/13/23 23:25	1.0	1	2:AL=180
210	met06_master011	CCV				09/13/23 23:28	1.0	10 1	
211	met06_master011	CCB				09/13/23 23:31	1.0	1	
212	met06_master011	SAMPLE	492124-006	Soil	322300	09/13/23 23:34	1.0	1	2:FE=190
213	met06_master011	SAMPLE	492147-001	Miscell.	322300	09/13/23 23:38	1.0	1	3:FE=150
214	met06_master011	SAMPLE	492147-002	Miscell.	322300	09/13/23 23:41	1.0	1	3:FE=160
215	met06_master011	BLANK	QC1093254	Wipe	322286	09/13/23 23:44	1.0	1	
216	met06_master011	BS	QC1093255	Wipe	322286	09/13/23 23:48	1.0	1	
217	met06_master011	BSD	QC1093256	Wipe	322286	09/13/23 23:51	1.0	1	
218	met06_master011	SAMPLE	492110-018	Wipe	322286	09/13/23 23:54	1.0	1	1:FE=110
219	met06_master011	SAMPLE	492110-020	Wipe	322286	09/13/23 23:57	1.0	1	1:FE=61
220	met06_master011	SAMPLE	492110-022	Wipe	322286	09/14/23 00:00	1.0	1	1:FE=62
221	met06_master011	SAMPLE	492110-024	Wipe	322286	09/14/23 00:04	1.0	1	1:FE=100
222	met06_master011	CCV				09/14/23 00:07	1.0	10 1	
223	met06_master011	CCB				09/14/23 00:10	1.0	1	
224	met06_master011	SAMPLE	492110-026	Wipe	322286	09/14/23 00:13	1.0	1	1:FE=68
225	met06_master011	SAMPLE	492110-028	Wipe	322286	09/14/23 00:17	1.0	1	1:FE=74
226	met06_master011	SAMPLE	492110-030	Wipe	322286	09/14/23 00:20	1.0	1	1:FE=71
227	met06_master011	SAMPLE	492110-032	Wipe	322286	09/14/23 00:23	1.0	1	1:FE=38
228	met06_master011	SAMPLE	492110-034	Wipe	322286	09/14/23 00:27	1.0	1	1:FE=64
229	met06_master011	SAMPLE	492110-036	Wipe	322286	09/14/23 00:30	1.0	1	1:FE=48
230	met06_master011	SAMPLE	492110-038	Wipe	322286	09/14/23 00:33	1.0	1	1:FE=73
231	met06_master011	SAMPLE	492110-040	Wipe	322286	09/14/23 00:36	1.0	1	1:FE=54
232	met06_master011	SAMPLE	492110-042	Wipe	322286	09/14/23 00:40	1.0	1	1:FE=51
233	met06_master011	SAMPLE	492110-044	Wipe	322286	09/14/23 00:43	1.0	1	
234	met06_master011	CCV				09/14/23 00:46	1.0	10 1	

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
235	met06_master011	CCB				09/14/23 00:49	1.0	1	
236	met06_master011	BLANK	QC1093257	Wipe	322287	09/14/23 00:52	1.0	1	
237	met06_master011	BS	QC1093258	Wipe	322287	09/14/23 00:56	1.0	1	
238	met06_master011	BSD	QC1093259	Wipe	322287	09/14/23 00:59	1.0	1	
239	met06_master011	SAMPLE	492114-052	Wipe	322287	09/14/23 01:02	1.0	1	1:FE=94
240	met06_master011	SAMPLE	492114-054	Wipe	322287	09/14/23 01:05	1.0	1	1:FE=55
241	met06_master011	SAMPLE	492114-056	Wipe	322287	09/14/23 01:09	1.0	1	1:FE=39
242	met06_master011	SAMPLE	492114-058	Wipe	322287	09/14/23 01:12	1.0	1	1:FE=52
243	met06_master011	SAMPLE	492114-060	Wipe	322287	09/14/23 01:15	1.0	1	1:FE=64
244	met06_master011	SAMPLE	492114-062	Wipe	322287	09/14/23 01:18	1.0	1	1:FE=110
245	met06_master011	SAMPLE	492114-064	Wipe	322287	09/14/23 01:22	1.0	1	1:FE=72
246	met06_master011	CCV				09/14/23 01:25	1.0	10 1	
247	met06_master011	CCB				09/14/23 01:28	1.0	1	
248	met06_master011	SAMPLE	492114-066	Wipe	322287	09/14/23 01:31	1.0	1	1:FE=100
249	met06_master011	SAMPLE	492114-068	Wipe	322287	09/14/23 01:35	1.0	1	1:FE=38
250	met06_master011	SAMPLE	492114-070	Wipe	322287	09/14/23 01:38	1.0	1	1:FE=64
251	met06_master011	SAMPLE	492114-072	Wipe	322287	09/14/23 01:41	1.0	1	1:FE=56
252	met06_master011	SAMPLE	492114-074	Wipe	322287	09/14/23 01:44	1.0	1	
253	met06_master011	SAMPLE	492114-075	Wipe	322287	09/14/23 01:48	1.0	1	
254	met06_master011	SAMPLE	492114-077	Wipe	322287	09/14/23 01:51	1.0	1	
255	met06_master011	SAMPLE	492114-078	Wipe	322287	09/14/23 01:54	1.0	1	
256	met06_master011	SAMPLE	492114-080	Wipe	322287	09/14/23 01:57	1.0	1	
257	met06_master011	SAMPLE	492114-081	Wipe	322287	09/14/23 02:01	1.0	1	
258	met06_master011	CCV				09/14/23 02:04	1.0	10 1	
259	met06_master011	CCB				09/14/23 02:07	1.0	1	
260	met06_master011	CCV				09/14/23 02:10	1.0	10 1	

Enthalpy Sequence Summary for Sequence 483369139

Instrument: MET06 Begun: 09/13/23 08:19
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
261	met06_master011	CCB				09/14/23 02:13	1.0	1	

SBW 09/13/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 038.

SBW 09/13/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 039 through 079.

SBW 09/14/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 080 through 261.

Standards Used:
1=S14463 2=S18961 3=S18960 4=S18959 5=S18958 6=S18957 7=S18729 8=S18726 9=S18727 10=S18956 11=S18728 12=S18677 13=S18816

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-002	Client ID:	ARCH-C8W-LAT-L3-EXT-1 TO 2-230911-L-WF
Seqnum:	483369139161	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 20:42
Cal:	483369139001	Caldate:	13-SEP-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	2.469	120	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2549240	3.67

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-002,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 20:42:33	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73452.1000000	69902.2000000	8317.77000000	18832.5000000	36600.5000000	577766	18453.4000000
Int RSD	*0.62852253*	*0.78887360*	*0.85211421*	*0.27482384*	*0.01858166*	*0.57220570*	*1.01728679*
Int SD	*461.66300000*	*551.44000000*	*70.87690000*	*51.75620000*	*6.80098000*	*3306.01000000*	*187.72400000*
RelInt Mean	0.00004405	0.03523840	-0.00025012	0.00288151	0.00970076	0.42041700	0.00289745
RelInt RSD	*6.38088708*	*0.86376793*	*15.63766627*	*0.41156546*	*0.54453672*	*0.40797351*	*3.23620080*
RelInt SD	*0.00000281*	*0.00030438*	*0.00003911*	*0.00001186*	*0.00005282*	*0.00171519*	*0.00009377*
Conc Mean	<0.00019445[mg/l]	4.01710000[mg/l]	<-0.01304340[mg/l]	0.02636010[mg/l]	0.03236070[mg/l]	18.37040000[mg/l]	0.01656870[mg/l]
Conc RSD	*59.50475701*	*0.86664260*	*18.18789579*	*0.62943236*	*0.54847392*	*0.41194530*	*3.33406363*
Conc SD	*0.00011571[mg/l]*	*0.03481390[mg/l]*	*0.00237232[mg/l]*	*0.00016592[mg/l]*	*0.00017749[mg/l]*	*0.07567600[mg/l]*	*0.00055241[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	24729.9000000	304853	45429500	11370.4000000	48344.4000000	2163750	9030.53000000
Int RSD	*2.19926890*	*1.89344701*	*0.72115256*	*2.26875044*	*1.22393700*	*0.61337031*	*0.68876024*
Int SD	*543.87700000*	*5772.23000000*	*327616*	*257.96600000*	*591.70500000*	*13271.8000000*	*62.19870000*
RelInt Mean	0.00540235	0.00564278	17.92110000	0.00326439	0.01905750	0.84793500	0.00016817
RelInt RSD	*4.67428064*	*1.89576769*	*0.89002349*	*1.72997099*	*0.98133018*	*0.22136485*	*20.46708688*
RelInt SD	*0.00025252*	*0.00010697*	*0.15950200*	*0.00005647*	*0.00018702*	*0.00187703*	*0.00003442*
Conc Mean	0.03719140[mg/l]	0.19249300[mg/l]	65.02300000[mg/l]	4.34862000[mg/l]	6.20550000[mg/l]	0.61820700[mg/l]	0.00129400[mg/l]
Conc RSD	*4.71649360*	*1.94353561*	*0.89010812*	*2.02719943*	*1.00671662*	*0.22159568*	*21.64466770*
Conc SD	*0.00175413[mg/l]*	*0.00374117[mg/l]*	*0.57877500[mg/l]*	*0.08815520[mg/l]*	*0.06247180[mg/l]*	*0.00136992[mg/l]*	*0.00028008[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	85831.5000000	26767.2000000	214320	9076.00000000	8146.58000000	11827.0000000	62828.1000000
Int RSD	*0.63752468*	*0.81051810*	*0.05486189*	*0.38250331*	*0.58277338*	*0.80780925*	*0.80333163*
Int SD	*547.19700000*	*216.95300000*	*117.58000000*	*34.71600000*	*47.47610000*	*95.53960000*	*504.71800000*
RelInt Mean	0.04525360	0.00578201	0.07969590	0.00006906	-0.00006104	0.00043397	0.03207950
RelInt RSD	*0.89527021*	*2.38410172*	*0.42674843*	*48.08280432*	*28.17783005*	*8.27100553*	*0.72115525*
RelInt SD	*0.00040514*	*0.00013785*	*0.00034010*	*0.00003321*	*0.00001720*	*0.00003589*	*0.00023134*
Conc Mean	6.74335000[mg/l]	0.04850700[mg/l]	2.46873000[mg/l]	0.00497169[mg/l]	<-0.00344413[mg/l]	0.00786668[mg/l]	0.03320140[mg/l]
Conc RSD	*0.90684156*	*2.42171233*	*0.42663637*	*37.60411450*	*33.90609530*	*9.32678080*	*0.74650165*
Conc SD	*0.06115150[mg/l]*	*0.00117470[mg/l]*	*0.01053250[mg/l]*	*0.00186956[mg/l]*	*0.00116777[mg/l]*	*0.00073371[mg/l]*	*0.00024785[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	1043400	8138.39000000	22363.3000000	2549240	42656100	1368370	1425890
Int RSD	*1.27047154*	*0.42134009*	*0.69388239*	*0.47299980*	*0.37294080*	*0.46972456*	*0.27855725*
Int SD	*13256.1000000*	*34.29030000*	*155.17500000*	*12057.9000000*	*159082*	*6427.57000000*	*3971.92000000*
RelInt Mean	0.02266670	-0.00022781	0.00009006	---	---	---	0.55938200
RelInt RSD	*1.05037346*	*4.74199425*	*5.17352606*	---	---	---	*0.56107812*
RelInt SD	*0.00023808*	*0.00001080*	*0.00000466*	---	---	---	*0.00313857*
Conc Mean	0.21313200[mg/l]	<-0.01607080[mg/l]	0.00723572[mg/l]	2534040	42552000	1347650	1.86970000[mg/l]
Conc RSD	*1.05049922*	*5.43733977*	*10.92608614*	---	---	---	*0.56196716*
Conc SD	*0.00223895[mg/l]*	*0.00087382[mg/l]*	*0.00079058[mg/l]*	*12100.3000000*	*158774*	*6602.03000000*	*0.01050710[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9603.98000000	24426.2000000	1291700	81380.0000000	11625.4000000	129487	
Int RSD	*1.20648939*	*1.88877517*	*0.58976233*	*0.53408208*	*0.54913551*	*0.17705484*	
Int SD	*115.87100000*	*461.35600000*	*7617.96000000*	*434.63600000*	*63.83920000*	*229.26300000*	
RelInt Mean	0.00000799	0.00049557	0.50457100	0.02838820	0.00000945	0.04755250	
RelInt RSD	*217.59503060*	*9.60201304*	*0.76654425*	*0.68905390*	*268.29564962*	*0.70329005*	
RelInt SD	*0.00001740*	*0.00004758*	*0.00386776*	*0.00019561*	*0.00002537*	*0.00033443*	
Conc Mean	<0.00030680[mg/l]	0.00828593[mg/l]	9.48763000[mg/l]	0.98538400[mg/l]	<-0.00022748[mg/l]	4.14193000[mg/l]	
Conc RSD	*15.25489250*	*14.30521378*	*0.76836259*	*0.69217889*	*42.64474835*	*0.70330498*	
Conc SD	*0.00004680[mg/l]*	*0.00118532[mg/l]*	*0.07289940[mg/l]*	*0.00682062[mg/l]*	*0.00009701[mg/l]*	*0.02913040[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-004	Client ID:	ARCH-C8W-LAT-L3-UP-C8.1-DG-230911-L-LA
Seqnum:	483369139164	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 20:59
Cal:	483369139001	Caldate:	13-SEP-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	2.626	130	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2497600	1.57

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-004,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 20:59:19	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72631.0000000	53396.6000000	9057.25000000	18787.5000000	30602.4000000	467726	16515.2000000
Int RSD	*0.91452272*	*0.57002693*	*0.83950206*	*0.85304591*	*0.65305336*	*1.21965210*	*0.73264629*
Int SD	*664.22700000*	*304.37500000*	*76.03580000*	*160.26600000*	*199.85000000*	*5704.63000000*	*120.99800000*
RelInt Mean	0.00003181	0.02387430	-0.00010288	0.00290934	0.00748366	0.34770500	0.00218664
RelInt RSD	*40.94293896*	*0.39589433*	*17.66495587*	*3.07330872*	*1.81630379*	*2.01209359*	*2.19532708*
RelInt SD	*0.00001303*	*0.00009452*	*0.00001817*	*0.00008941*	*0.00013593*	*0.00699615*	*0.00004800*
Conc Mean	<-0.00030915[mg/l]	2.71714000[mg/l]	<-0.00413479[mg/l]	0.02674930[mg/l]	0.02489030[mg/l]	15.16150000[mg/l]	0.01248740[mg/l]
Conc RSD	*173.45683205*	*0.39790000*	*26.64851177*	*4.67672051*	*1.83818998*	*2.03615078*	*2.24020212*
Conc SD	*0.00053625[mg/l]*	*0.01081150[mg/l]*	*0.00110186[mg/l]*	*0.00125099[mg/l]*	*0.00045753[mg/l]*	*0.30871100[mg/l]*	*0.00027974[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	31064.6000000	342066	51715400	11522.6000000	42910.8000000	1588980	9049.30000000
Int RSD	*1.08126292*	*1.31709962*	*0.68689211*	*2.58062416*	*0.66240900*	*1.07874234*	*0.13174942*
Int SD	*335.89000000*	*4505.35000000*	*355229*	*297.35500000*	*284.24500000*	*17141.0000000*	*11.92240000*
RelInt Mean	0.00807855	0.00675014	20.82600000	0.00345482	0.01538280	0.63404800	0.00013250
RelInt RSD	*0.96398116*	*1.35338526*	*0.40797273*	*3.75886443*	*1.00667629*	*0.01619373*	*26.42274950*
RelInt SD	*0.00007788*	*0.00009136*	*0.08496440*	*0.00012986*	*0.00015485*	*0.00010268*	*0.00003501*
Conc Mean	0.05578190[mg/l]	0.23122400[mg/l]	75.56350000[mg/l]	4.64593000[mg/l]	4.97799000[mg/l]	0.46215000[mg/l]	0.00100378[mg/l]
Conc RSD	*0.96985761*	*1.38182888*	*0.40792711*	*4.36360427*	*1.03908003*	*0.01617263*	*28.38241447*
Conc SD	*0.00054101[mg/l]*	*0.00319512[mg/l]*	*0.30824400[mg/l]*	*0.20273000[mg/l]*	*0.05172530[mg/l]*	*0.00007474[mg/l]*	*0.00028490[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	90013.5000000	111552	222638	9637.90000000	8274.97000000	14554.9000000	55440.3000000
Int RSD	*0.27712177*	*0.14625197*	*0.36332163*	*0.14681622*	*0.50180363*	*0.47650070*	*1.32118874*
Int SD	*249.44700000*	*163.14700000*	*808.89200000*	*14.15000000*	*41.52410000*	*69.35420000*	*732.47100000*
RelInt Mean	0.04959620	0.04005060	0.08475790	0.00029088	-0.00008862	0.00127778	0.02720050
RelInt RSD	*0.30042019*	*0.98649958*	*0.93541841*	*6.43167535*	*17.27491529*	*3.94102271*	*1.48306097*
RelInt SD	*0.00014900*	*0.00039510*	*0.00079284*	*0.00001871*	*0.00001531*	*0.00005036*	*0.00040340*
Conc Mean	7.39879000[mg/l]	0.34053700[mg/l]	2.62552000[mg/l]	0.01728390[mg/l]	<-0.00531639[mg/l]	0.02511520[mg/l]	0.02797510[mg/l]
Conc RSD	*0.30399565*	*0.98875893*	*0.93568512*	*6.06495062*	*19.54992015*	*4.09887240*	*1.54467723*
Conc SD	*0.02249200[mg/l]*	*0.00336709[mg/l]*	*0.02456660[mg/l]*	*0.00104826[mg/l]*	*0.00103935[mg/l]*	*0.00102944[mg/l]*	*0.00043213[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	805065	8334.70000000	21469.6000000	2497600	41216000	1334290	1285010
Int RSD	*2.33671815*	*0.60912330*	*1.64025878*	*1.08522181*	*0.99670031*	*0.81659909*	*0.58937207*
Int SD	*18812.1000000*	*50.76860000*	*352.15700000*	*27104.5000000*	*410800*	*10895.8000000*	*7573.49000000*
RelInt Mean	0.01768260	-0.00026287	0.00007029	---	---	---	0.51427800
RelInt RSD	*1.50593239*	*1.57027101*	*2.47694636*	---	---	---	*0.52659262*
RelInt SD	*0.00026629*	*0.00000413*	*0.00000174*	---	---	---	*0.00270815*
Conc Mean	0.16626100[mg/l]	<-0.01880300[mg/l]	0.00388107[mg/l]	2482430	41112800	1313540	1.71873000[mg/l]
Conc RSD	*1.50607178*	*1.80362708*	*7.61475572*	---	---	---	*0.52764599*
Conc SD	*0.00250401[mg/l]*	*0.00033914[mg/l]*	*0.00029553[mg/l]*	*27002.8000000*	*410543*	*11230.7000000*	*0.00906881[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9499.19000000	24055.3000000	910426	92741.7000000	11756.4000000	127867	
Int RSD	*2.29078479*	*1.69760094*	*0.27975695*	*0.15739953*	*0.97050968*	*0.17963353*	
Int SD	*217.60600000*	*408.36300000*	*2546.98000000*	*145.97500000*	*114.09700000*	*229.69200000*	
RelInt Mean	-0.00007180	0.00018085	0.36144200	0.03335910	0.00004086	0.04779600	
RelInt RSD	*36.36848593*	*46.40137796*	*0.84293746*	*1.01470363*	*91.83452199*	*1.25104820*	
RelInt SD	*0.00002611*	*0.00008392*	*0.00304673*	*0.00033850*	*0.00003752*	*0.00059795*	
Conc Mean	<0.00009213[mg/l]	<0.00044630[mg/l]	6.78990000[mg/l]	1.15867000[mg/l]	<-0.00012914[mg/l]	4.16314000[mg/l]	
Conc RSD	*76.25376929*	*468.36537837*	*0.84562659*	*1.01840041*	*119.80223320*	*1.25092358*	
Conc SD	*0.00007025[mg/l]*	*0.00209031[mg/l]*	*0.05741720[mg/l]*	*0.01179990[mg/l]*	*0.00015472[mg/l]*	*0.05207770[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-006	Client ID:	ARCH-C9W-LAT-L3-EXT-1 TO 2-230911-L-WF
Seqnum:	483369139165	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 21:02
Cal:	483369139001	Caldate:	13-SEP-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	3.545	180	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2508630	2.02

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-006,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 21:02:34	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72237.6000000	77482.3000000	8138.83000000	17736.0000000	52460.7000000	766494	14971.9000000
Int RSD	*0.14315952*	*0.58010410*	*0.47516166*	*0.14527684*	*0.69240593*	*0.42179717*	*0.43689111*
Int SD	*103.41500000*	*449.47800000*	*38.67260000*	*25.76630000*	*363.24100000*	*3233.05000000*	*65.41090000*
RelInt Mean	0.00004497	0.04109450	-0.00029537	0.00268541	0.01628750	0.56845500	0.00161527
RelInt RSD	*11.47958401*	*0.86665126*	*7.98794071*	*1.28511475*	*0.18674566*	*0.72898646*	*0.55831099*
RelInt SD	*0.00000516*	*0.00035615*	*0.00002359*	*0.00003451*	*0.00003042*	*0.00414396*	*0.00000902*
Conc Mean	<0.00023259[mg/l]	4.68699000[mg/l]	<-0.01577310[mg/l]	0.02361640[mg/l]	0.05456170[mg/l]	24.90370000[mg/l]	0.00900333[mg/l]
Conc RSD	*91.37936223*	*0.86913563*	*9.06480020*	*2.04449450*	*0.18680686*	*0.73446918*	*0.57632454*
Conc SD	*0.00021254[mg/l]*	*0.04073630[mg/l]*	*0.00142980[mg/l]*	*0.00048284[mg/l]*	*0.00010193[mg/l]*	*0.18291000[mg/l]*	*0.00005189[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	18848.8000000	227833	24751400	10953.7000000	50501.8000000	1635270	8490.40000000
Int RSD	*0.47925916*	*1.07916325*	*0.32779924*	*0.73078321*	*0.49772879*	*1.44944871*	*0.50852846*
Int SD	*90.33460000*	*2458.69000000*	*81134.9000000*	*80.04780000*	*251.36200000*	*23702.4000000*	*43.17610000*
RelInt Mean	0.00326976	0.00393372	9.91883000	0.00305539	0.02106320	0.64998400	0.00000998
RelInt RSD	*2.40732347*	*0.99760278*	*1.11542390*	*1.30580384*	*0.28323427*	*0.73885049*	*267.85044855*
RelInt SD	*0.00007871*	*0.00003924*	*0.11063700*	*0.00003990*	*0.00005966*	*0.00480241*	*0.00002672*
Conc Mean	0.02237730[mg/l]	0.13271800[mg/l]	35.98710000[mg/l]	4.02234000[mg/l]	6.87547000[mg/l]	0.47377700[mg/l]	<0.00000673[mg/l]
Conc RSD	*2.44341364*	*1.03422294*	*1.11571091*	*1.54854140*	*0.28987836*	*0.73965389*	*3232.62476084*
Conc SD	*0.00054677[mg/l]*	*0.00137260[mg/l]*	*0.40151200[mg/l]*	*0.06228760[mg/l]*	*0.01993050[mg/l]*	*0.00350431[mg/l]*	*0.00021745[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	88551.5000000	22337.1000000	297628	8789.79000000	8018.15000000	10833.5000000	78010.6000000
Int RSD	*0.55372185*	*0.15273916*	*0.40469311*	*0.16503352*	*1.37865967*	*0.19401671*	*0.27510108*
Int SD	*490.32900000*	*34.11750000*	*1204.48000000*	*14.50610000*	*110.54300000*	*21.01880000*	*214.60800000*
RelInt Mean	0.04813320	0.00418985	0.11437100	0.00000068	-0.00003902	0.00006897	0.04403930
RelInt RSD	*0.40194917*	*1.27458978*	*0.42772031*	*2305.19826983*	*66.47529072*	*29.55690880*	*0.35663600*
RelInt SD	*0.00019347*	*0.00005340*	*0.00048919*	*0.00001577*	*0.00002594*	*0.00002039*	*0.00015706*
Conc Mean	7.17798000[mg/l]	0.03493900[mg/l]	3.54453000[mg/l]	<0.00122973[mg/l]	<-0.00194859[mg/l]	<0.00040566[mg/l]	0.04601240[mg/l]
Conc RSD	*0.40679411*	*1.30258737*	*0.42731759*	*71.73037984*	*90.36020918*	*102.72173742*	*0.36562535*
Conc SD	*0.02919960[mg/l]*	*0.00045511[mg/l]*	*0.01514640[mg/l]*	*0.00088209[mg/l]*	*0.00176075[mg/l]*	*0.00041670[mg/l]*	*0.00016823[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	1174990	8040.09000000	20710.4000000	2508630	41835300	1349320	1479140
Int RSD	*0.18025090*	*0.17530525*	*0.14803625*	*0.78351132*	*0.54440628*	*0.58681262*	*0.96793407*
Int SD	*2117.93000000*	*14.09470000*	*30.65890000*	*19655.4000000*	*227754*	*7917.98000000*	*14317.1000000*
RelInt Mean	0.02627560	-0.00023609	0.00006797	---	---	---	0.58967200
RelInt RSD	*0.76630410*	*4.06683130*	*3.44701813*	---	---	---	*0.29453832*
RelInt SD	*0.00020135*	*0.00000960*	*0.00000234*	---	---	---	*0.00173681*
Conc Mean	0.24707100[mg/l]	<-0.01682660[mg/l]	0.00348658[mg/l]	2493950	41732700	1328840	1.97110000[mg/l]
Conc RSD	*0.76658127*	*4.61583445*	*11.40257788*	---	---	---	*0.29500178*
Conc SD	*0.00189400[mg/l]*	*0.00077669[mg/l]*	*0.00039756[mg/l]*	*19681.3000000*	*227279*	*7869.39000000*	*0.00581478[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9650.38000000	24092.2000000	1826870	76319.5000000	11572.6000000	134736	
Int RSD	*1.64175918*	*0.73733407*	*0.99249536*	*0.64563840*	*0.35386776*	*0.59256843*	
Int SD	*158.43600000*	*177.64000000*	*18131.6000000*	*492.74800000*	*40.95170000*	*798.40300000*	
RelInt Mean	0.00011435	0.00042399	0.72720800	0.02683240	0.00013931	0.05041110	
RelInt RSD	*170.00673377*	*23.43305337*	*0.30297384*	*0.09397035*	*26.83860687*	*1.12259403*	
RelInt SD	*0.00019440*	*0.00009935*	*0.00220325*	*0.00002521*	*0.00003739*	*0.00056591*	
Conc Mean	<0.00059293[mg/l]	0.00650284[mg/l]	>13.68400000[mg/l]	0.93115000[mg/l]	<0.00032311[mg/l]	4.39089000[mg/l]	
Conc RSD	*88.20844851*	*38.05798697*	*0.30336890*	*0.09450003*	*46.60223021*	*1.12249453*	
Conc SD	*0.00052302[mg/l]*	*0.00247485[mg/l]*	*0.04151300[mg/l]*	*0.00087994[mg/l]*	*0.00015058[mg/l]*	*0.04928750[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-007	Client ID:	ARCH-C9W-LAT-L3-EXT-1 TO 2-230911-L-DUP-WF
Seqnum:	483369139166	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 21:05
Cal:	483369139001	Caldate:	13-SEP-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	6.243	310	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2484520	1.04

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-007,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 21:05:49	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73024.0000000	109505	8342.52000000	18124.2000000	71566.4000000	1108230	15551.0000000
Int RSD	*0.70995015*	*0.43087804*	*0.18196300*	*0.64055241*	*0.07618086*	*0.58200735*	*0.49210919*
Int SD	*518.43400000*	*471.83300000*	*15.18030000*	*116.09500000*	*54.51990000*	*6449.98000000*	*76.52790000*
RelInt Mean	0.00004223	0.06494320	-0.00025946	0.00279927	0.02416030	0.83799500	0.00184025
RelInt RSD	*10.96841941*	*0.41272373*	*9.58039290*	*2.61536758*	*0.47922832*	*0.97706908*	*0.86902323*
RelInt SD	*0.00000463*	*0.00026804*	*0.00002486*	*0.00007321*	*0.00011578*	*0.00818779*	*0.00001599*
Conc Mean	<0.00011990[mg/l]	7.41507000[mg/l]	<-0.01360080[mg/l]	0.02520950[mg/l]	0.08109200[mg/l]	36.79920000[mg/l]	0.01010200[mg/l]
Conc RSD	*159.06638087*	*0.41353891*	*11.07728957*	*4.06338880*	*0.48063681*	*0.98187732*	*0.87455949*
Conc SD	*0.00019072[mg/l]*	*0.03066420[mg/l]*	*0.00150660[mg/l]*	*0.00102436[mg/l]*	*0.00038976[mg/l]*	*0.36132300[mg/l]*	*0.00008835[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	20747.0000000	256747	26980900	12032.8000000	61131.1000000	2164380	8690.78000000
Int RSD	*0.22196077*	*1.24073115*	*0.55381029*	*2.02969384*	*1.42434047*	*0.58855654*	*0.64432882*
Int SD	*46.05020000*	*3185.54000000*	*149423*	*244.22900000*	*870.71500000*	*12738.6000000*	*55.99720000*
RelInt Mean	0.00403585	0.00466238	10.91820000	0.00387536	0.02937650	0.87046200	0.00002574
RelInt RSD	*0.26705403*	*1.73370038*	*0.87192028*	*1.71100491*	*1.46686297*	*0.97310624*	*97.13588707*
RelInt SD	*0.00001078*	*0.00008083*	*0.09519800*	*0.00006631*	*0.00043091*	*0.00847052*	*0.00002501*
Conc Mean	0.02769900[mg/l]	0.15820300[mg/l]	39.61340000[mg/l]	5.30245000[mg/l]	9.65245000[mg/l]	0.63464300[mg/l]	<0.00013502[mg/l]
Conc RSD	*0.27035236*	*1.78712161*	*0.87205592*	*1.95226735*	*1.49116546*	*0.97379472*	*150.69988594*
Conc SD	*0.00007488[mg/l]*	*0.00282728[mg/l]*	*0.34545100[mg/l]*	*0.10351800[mg/l]*	*0.14393400[mg/l]*	*0.00618012[mg/l]*	*0.00020348[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	91278.0000000	24237.4000000	510328	8995.02000000	8087.67000000	11041.3000000	104803
Int RSD	*0.57694406*	*0.22666169*	*0.33077158*	*0.97241251*	*0.87473895*	*0.92250912*	*0.33046955*
Int SD	*526.62300000*	*54.93690000*	*1688.02000000*	*87.46870000*	*70.74600000*	*101.85700000*	*346.34200000*
RelInt Mean	0.05083480	0.00500217	0.20146200	0.00001034	-0.00007739	0.00011491	0.06511670
RelInt RSD	*0.43382879*	*0.30700476*	*0.22359204*	*289.75941493*	*13.39418742*	*53.14260104*	*0.27956730*
RelInt SD	*0.00022054*	*0.00001536*	*0.00045045*	*0.00002995*	*0.00001037*	*0.00006107*	*0.00018205*
Conc Mean	7.58574000[mg/l]	0.04186140[mg/l]	6.24339000[mg/l]	<0.00173908[mg/l]	<-0.00455360[mg/l]	<0.00134469[mg/l]	0.06859000[mg/l]
Conc RSD	*0.43879305*	*0.31272485*	*0.22326492*	*96.45904731*	*15.45350931*	*92.82734311*	*0.28427759*
Conc SD	*0.03328570[mg/l]*	*0.00013091[mg/l]*	*0.01393930[mg/l]*	*0.00167750[mg/l]*	*0.00070369[mg/l]*	*0.00124824[mg/l]*	*0.00019499[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	1721940	8202.84000000	21876.3000000	2484520	41352300	1329390	2476320
Int RSD	*2.75297049*	*0.22979846*	*1.87639592*	*0.43247388*	*0.26186210*	*0.49074162*	*0.31943893*
Int SD	*47404.5000000*	*18.85000000*	*410.48600000*	*10744.9000000*	*108286*	*6523.87000000*	*7910.33000000*
RelInt Mean	0.03980610	-0.00021875	0.00008692	---	---	---	0.99905100
RelInt RSD	*2.71975903*	*8.05805714*	*4.48085074*	---	---	---	*0.20962994*
RelInt SD	*0.00108263*	*0.00001763*	*0.00000389*	---	---	---	*0.00209431*
Conc Mean	0.37431500[mg/l]	<-0.01573860[mg/l]	0.00670260[mg/l]	2469760	41248700	1308750	3.34131000[mg/l]
Conc RSD	*2.71995512*	*9.14973378*	*9.85968132*	---	---	---	*0.20968333*
Conc SD	*0.01018120[mg/l]*	*0.00144004[mg/l]*	*0.00066086[mg/l]*	*10665.8000000*	*108252*	*6626.54000000*	*0.00700617[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	10052.9000000	24310.4000000	2593340	79997.1000000	11640.0000000	148502	
Int RSD	*2.08025545*	*2.09112150*	*0.12300778*	*0.30678362*	*0.97216495*	*0.21428735*	
Int SD	*209.12600000*	*508.36000000*	*3190.01000000*	*245.41800000*	*113.16000000*	*318.22100000*	
RelInt Mean	0.00036473	0.00049841	1.04429000	0.02855800	0.00016978	0.05644830	
RelInt RSD	*26.96156061*	*19.14224892*	*0.40220150*	*0.50993417*	*27.61980492*	*0.65162281*	
RelInt SD	*0.00009834*	*0.00009541*	*0.00420015*	*0.00014563*	*0.00004689*	*0.00036783*	
Conc Mean	0.00126656[mg/l]	0.00835664[mg/l]	>19.66040000[mg/l]	0.99130300[mg/l]	<0.00044204[mg/l]	4.91669000[mg/l]	
Conc RSD	*20.88862746*	*28.43882230*	*0.40271358*	*0.51200087*	*43.51761363*	*0.65144030*	
Conc SD	*0.00026457[mg/l]*	*0.00237653[mg/l]*	*0.07917510[mg/l]*	*0.00507548[mg/l]*	*0.00019237[mg/l]*	*0.03202930[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-009	Client ID:	ARCH-C9W-LAT-L3-UP-C9.4-VS-230911-L-LA
Seqnum:	483369139167	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 21:09
Cal:	483369139001	Caldate:	13-SEP-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	4.142	210	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2496640	1.53

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-009,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 21:09:04	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72195.0000000	62538.9000000	9533.42000000	19300.1000000	40386.2000000	617487	18968.0000000
Int RSD	*0.87489161*	*0.66257162*	*0.55169079*	*0.28671924*	*0.72687700*	*0.67466845*	*0.69199705*
Int SD	*631.62800000*	*414.36500000*	*52.59500000*	*55.33710000*	*293.55800000*	*4165.99000000*	*131.25800000*
RelInt Mean	0.00002258	0.03003740	0.00012537	0.00290666	0.01134690	0.45268200	0.00313808
RelInt RSD	*3.72604299*	*0.80949416*	*6.73239953*	*0.66021138*	*0.91037200*	*0.49932403*	*1.92136274*
RelInt SD	*0.00000084*	*0.00024315*	*0.00000844*	*0.00001919*	*0.00010330*	*0.00226035*	*0.00006029*
Conc Mean	<-0.00068941[mg/l]	3.42215000[mg/l]	0.00967975[mg/l]	0.02671190[mg/l]	0.03791120[mg/l]	19.79430000[mg/l]	0.01800480[mg/l]
Conc RSD	*5.02367970*	*0.81265286*	*5.28894858*	*1.00507265*	*0.92015816*	*0.50394659*	*2.03369657*
Conc SD	*0.00003463[mg/l]*	*0.02781020[mg/l]*	*0.00051196[mg/l]*	*0.00026847[mg/l]*	*0.00034884[mg/l]*	*0.09975270[mg/l]*	*0.00036616[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	39466.8000000	495571	74807400	11612.1000000	46566.4000000	2257560	9014.66000000
Int RSD	*0.23783129*	*1.51485055*	*0.55045356*	*1.21463818*	*0.16240680*	*1.02973564*	*0.60631682*
Int SD	*93.86440000*	*7507.16000000*	*411780*	*141.04500000*	*75.62700000*	*23246.9000000*	*54.65740000*
RelInt Mean	0.01130990	0.01027080	30.14390000	0.00353577	0.01799840	0.90348800	0.00006077
RelInt RSD	*0.82321860*	*0.96258032*	*0.65854451*	*2.41107877*	*0.31822329*	*0.17651148*	*89.07771424*
RelInt SD	*0.00009311*	*0.00009886*	*0.19851100*	*0.00008525*	*0.00005728*	*0.00159476*	*0.00005413*
Conc Mean	0.07822820[mg/l]	0.35436100[mg/l]	>109.37300000[mg/l]	4.77229000[mg/l]	5.85169000[mg/l]	0.65874000[mg/l]	<0.00042003[mg/l]
Conc RSD	*0.82676963*	*0.97580434*	*0.65878965*	*2.78891266*	*0.32687138*	*0.17662355*	*104.86771277*
Conc SD	*0.00064677[mg/l]*	*0.00345787[mg/l]*	*0.72053800[mg/l]*	*0.13309500[mg/l]*	*0.01912750[mg/l]*	*0.00116349[mg/l]*	*0.00044048[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	97611.7000000	167984	344201	10214.8000000	8043.85000000	16503.8000000	65690.3000000
Int RSD	*0.27713174*	*0.33433839*	*0.62089884*	*0.36838998*	*0.59259434*	*0.45513094*	*0.38231215*
Int SD	*270.51300000*	*561.63500000*	*2137.14000000*	*37.63030000*	*47.66740000*	*75.11390000*	*251.14200000*
RelInt Mean	0.05460730	0.06272260	0.13371600	0.00049513	-0.00020072	0.00217068	0.03451280
RelInt RSD	*0.42755456*	*0.74596557*	*0.79187980*	*4.39425367*	*14.12703948*	*0.92757108*	*0.76065112*
RelInt SD	*0.00023348*	*0.00046789*	*0.00105887*	*0.00002176*	*0.00002836*	*0.00002013*	*0.00026252*
Conc Mean	8.15512000[mg/l]	0.53374400[mg/l]	4.14167000[mg/l]	0.02859020[mg/l]	<-0.01292680[mg/l]	0.04336700[mg/l]	0.03580780[mg/l]
Conc RSD	*0.43210523*	*0.74702104*	*0.79242190*	*4.24830886*	*14.89239410*	*0.94902115*	*0.78540150*
Conc SD	*0.03523870[mg/l]*	*0.00398718[mg/l]*	*0.03281950[mg/l]*	*0.00121460[mg/l]*	*0.00192511[mg/l]*	*0.00041156[mg/l]*	*0.00028124[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	957547	8294.49000000	21726.7000000	2496640	42051300	1359960	1575650
Int RSD	*4.40714659*	*0.88555776*	*0.24082212*	*0.85998782*	*0.77475845*	*0.42941042*	*0.67711738*
Int SD	*42200.5000000*	*73.45250000*	*52.32270000*	*21470.8000000*	*325796*	*5839.81000000*	*10669.0000000*
RelInt Mean	0.02097750	-0.00026798	0.00007008	---	---	---	0.63161600
RelInt RSD	*4.03933739*	*4.12953109*	*0.64410719*	---	---	---	*0.28786161*
RelInt SD	*0.00084735*	*0.00001107*	*0.00000045*	---	---	---	*0.00181818*
Conc Mean	0.19724700[mg/l]	<-0.01929570[mg/l]	0.00384570[mg/l]	2481100	41947700	1339480	2.11146000[mg/l]
Conc RSD	*4.03989414*	*4.56630752*	*1.99102374*	---	---	---	*0.28830620*
Conc SD	*0.00796857[mg/l]*	*0.00088110[mg/l]*	*0.00007657[mg/l]*	*21599.5000000*	*325686*	*5996.41000000*	*0.00608747[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9505.86000000	23982.2000000	1218960	89968.1000000	11854.9000000	144071	
Int RSD	*2.34329140*	*1.13026328*	*0.74586041*	*0.84953333*	*1.40898700*	*0.89711323*	
Int SD	*222.75000000*	*271.06200000*	*9091.74000000*	*764.30900000*	*167.03400000*	*1292.48000000*	
RelInt Mean	0.00000912	0.00040070	0.48587300	0.03232930	-0.00012172	0.05434860	
RelInt RSD	*1004.05717982*	*15.67815581*	*0.71485759*	*0.66369516*	*56.57629681*	*1.16964926*	
RelInt SD	*0.00009159*	*0.00006282*	*0.00347330*	*0.00021457*	*0.00006887*	*0.00063569*	
Conc Mean	<0.00030983[mg/l]	0.00592271[mg/l]	9.13523000[mg/l]	1.12277000[mg/l]	<-0.00085630[mg/l]	4.73382000[mg/l]	
Conc RSD	*79.53290363*	*26.42151988*	*0.71673948*	*0.66628428*	*33.68694689*	*1.16965368*	
Conc SD	*0.00024642[mg/l]*	*0.00156487[mg/l]*	*0.06547580[mg/l]*	*0.00748084[mg/l]*	*0.00028846[mg/l]*	*0.05536930[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-012	Client ID:	ARCH-C9W-MED-L3-UP-C9.7-DG-230911-L-LA
Seqnum:	483369139168	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 21:12
Cal:	483369139001	Caldate:	13-SEP-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	2.581	130	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2548340	3.64

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-012,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 21:12:19	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73399.5000000	72040.9000000	9077.22000000	18120.2000000	38857.8000000	578058	18265.3000000
Int RSD	*0.36336079*	*0.85150102*	*0.39308401*	*0.65275218*	*1.13115771*	*0.50734874*	*0.91730221*
Int SD	*266.70500000*	*613.42900000*	*35.68110000*	*118.28000000*	*439.54300000*	*2932.77000000*	*167.54800000*
RelInt Mean	0.00002777	0.03652200	0.00013468	0.00248568	0.01058360	0.41755500	0.00281237
RelInt RSD	*33.42858995*	*1.66372324*	*7.42423207*	*0.76219385*	*1.45418383*	*0.60189197*	*2.78192059*
RelInt SD	*0.00000928*	*0.00060762*	*0.00001000*	*0.00001895*	*0.00015391*	*0.00251323*	*0.00007824*
Conc Mean	<-0.00047544[mg/l]	4.16393000[mg/l]	0.01025440[mg/l]	0.02082190[mg/l]	0.03533580[mg/l]	18.24410000[mg/l]	0.01601000[mg/l]
Conc RSD	*80.39634698*	*1.66924996*	*5.91069200*	*1.27314990*	*1.46629198*	*0.60808152*	*2.90956277*
Conc SD	*0.00038224[mg/l]*	*0.06950640[mg/l]*	*0.00060611[mg/l]*	*0.00026509[mg/l]*	*0.00051813[mg/l]*	*0.11093900[mg/l]*	*0.00046582[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	35746.9000000	435335	61832100	11561.9000000	48646.7000000	2259970	9007.93000000
Int RSD	*0.38528935*	*1.68878680*	*0.26442252*	*2.04890200*	*1.59489133*	*1.02796497*	*0.50816336*
Int SD	*137.72900000*	*7351.88000000*	*163498*	*236.89200000*	*775.86200000*	*23231.7000000*	*45.77500000*
RelInt Mean	0.00967292	0.00867285	24.40210000	0.00339107	0.01918760	0.88597800	0.00016552
RelInt RSD	*0.25833461*	*1.60114611*	*0.91338860*	*1.80425647*	*1.94811753*	*0.49044220*	*15.93787949*
RelInt SD	*0.00002499*	*0.00013886*	*0.22288600*	*0.00006118*	*0.00037380*	*0.00434521*	*0.00002638*
Conc Mean	0.06685720[mg/l]	0.29847100[mg/l]	88.53900000[mg/l]	4.54639000[mg/l]	6.24895000[mg/l]	0.64596500[mg/l]	0.00127242[mg/l]
Conc RSD	*0.25965191*	*1.62731723*	*0.91339071*	*2.10098342*	*1.99836773*	*0.49083774*	*16.87029440*
Conc SD	*0.00017360[mg/l]*	*0.00485707[mg/l]*	*0.80870700[mg/l]*	*0.09551890[mg/l]*	*0.12487700[mg/l]*	*0.00317064[mg/l]*	*0.00021466[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	89869.2000000	149144	223425	9854.27000000	7994.31000000	14601.7000000	62950.0000000
Int RSD	*0.11887610*	*0.47692767*	*0.48645407*	*0.40103123*	*0.36728999*	*1.23572598*	*0.29067355*
Int SD	*106.83300000*	*711.30900000*	*1086.86000000*	*39.51870000*	*29.36230000*	*180.43700000*	*182.97900000*
RelInt Mean	0.04801410	0.05408340	0.08335550	0.00040907	-0.00009368	0.00166135	0.03191560
RelInt RSD	*0.73386568*	*0.29228192*	*0.27924252*	*5.71203321*	*31.45359449*	*4.79641256*	*0.62116645*
RelInt SD	*0.00035236*	*0.00015808*	*0.00023276*	*0.00002337*	*0.00002947*	*0.00007969*	*0.00019825*
Conc Mean	7.16000000[mg/l]	0.46012200[mg/l]	2.58126000[mg/l]	0.02383740[mg/l]	<-0.00566003[mg/l]	0.03295580[mg/l]	0.03302580[mg/l]
Conc RSD	*0.74282123*	*0.29272454*	*0.27884793*	*5.48482637*	*35.34451231*	*4.94240771*	*0.64320319*
Conc SD	*0.05318600[mg/l]*	*0.00134689[mg/l]*	*0.00719779[mg/l]*	*0.00130744[mg/l]*	*0.00200051[mg/l]*	*0.00162881[mg/l]*	*0.00021242[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	1205460	7924.93000000	22769.0000000	2548340	42747200	1378360	1249840
Int RSD	*3.02925854*	*0.22300260*	*0.38820589*	*0.78287042*	*0.50837248*	*0.42045329*	*0.64121808*
Int SD	*36516.5000000*	*17.67280000*	*88.39060000*	*19950.2000000*	*217315*	*5795.36000000*	*8014.20000000*
RelInt Mean	0.02641810	-0.00020687	0.00009336	---	---	---	0.49010700
RelInt RSD	*3.69074990*	*11.88769542*	*2.76967043*	---	---	---	*0.23055578*
RelInt SD	*0.00097503*	*0.00002459*	*0.00000259*	---	---	---	*0.00112997*
Conc Mean	0.24841100[mg/l]	<-0.01445700[mg/l]	0.00779522[mg/l]	2533240	42642600	1357610	1.63782000[mg/l]
Conc RSD	*3.69102818*	*13.70187452*	*5.63009126*	---	---	---	*0.23101134*
Conc SD	*0.00916892[mg/l]*	*0.00198088[mg/l]*	*0.00043888[mg/l]*	*20021.5000000*	*216882*	*5955.02000000*	*0.00378355[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9552.89000000	24208.0000000	1190430	88640.2000000	11746.4000000	139231	
Int RSD	*4.55693513*	*1.79829395*	*0.18443336*	*0.73623480*	*0.60448648*	*0.70468287*	
Int SD	*435.31900000*	*435.33100000*	*2195.55000000*	*652.60000000*	*71.00540000*	*981.13700000*	
RelInt Mean	-0.00001614	0.00043433	0.46477000	0.03133710	-0.00007858	0.05143430	
RelInt RSD	*513.75721039*	*8.16672077*	*0.61386923*	*0.43224804*	*38.23938159*	*0.56103417*	
RelInt SD	*0.00008292*	*0.00003547*	*0.00285308*	*0.00013545*	*0.00003005*	*0.00028856*	
Conc Mean	<0.00024187[mg/l]	0.00676052[mg/l]	8.73745000[mg/l]	1.08818000[mg/l]	<-0.00067875[mg/l]	4.48001000[mg/l]	
Conc RSD	*92.23616480*	*13.06946803*	*0.61539007*	*0.43415795*	*18.26771074*	*0.56096303*	
Conc SD	*0.00022309[mg/l]*	*0.00088356[mg/l]*	*0.05376940[mg/l]*	*0.00472442[mg/l]*	*0.00012399[mg/l]*	*0.02513120[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-014	Client ID:	ARCH-C8W-LAT-L3-UP-C8.6-HS-230911-L-LA
Seqnum:	483369139169	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 21:15
Cal:	483369139001	Caldate:	13-SEP-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	1.614	81	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2571160	4.56

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-014,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 21:15:34	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73250.7000000	49042.8000000	8652.77000000	17227.8000000	27371.8000000	396371	16772.7000000
Int RSD	*0.25027884*	*1.02870146*	*0.37696946*	*0.48758518*	*1.09925909*	*0.41200290*	*1.00433442*
Int SD	*183.33100000*	*504.50400000*	*32.61830000*	*84.00020000*	*300.88700000*	*1633.06000000*	*168.45400000*
RelInt Mean	0.00002733	0.02028520	0.00002277	0.00223716	0.00607390	0.28741700	0.00224982
RelInt RSD	*18.36121233*	*1.32114054*	*60.82042365*	*1.36224052*	*2.00456050*	*0.90864841*	*2.31730983*
RelInt SD	*0.00000502*	*0.00026800*	*0.00001385*	*0.00003048*	*0.00012176*	*0.00261161*	*0.00005214*
Conc Mean	<-0.00049363[mg/l]	2.30659000[mg/l]	0.00348279[mg/l]	0.01734480[mg/l]	0.02013940[mg/l]	12.50080000[mg/l]	0.01289990[mg/l]
Conc RSD	*41.85598003*	*1.32936499*	*24.04440118*	*2.45806812*	*2.03955927*	*0.92202099*	*2.35497174*
Conc SD	*0.00020661[mg/l]*	*0.03066300[mg/l]*	*0.00083742[mg/l]*	*0.00042635[mg/l]*	*0.00041076[mg/l]*	*0.11526000[mg/l]*	*0.00030379[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	31043.5000000	368073	54181900	10709.7000000	40726.6000000	1544790	8733.06000000
Int RSD	*2.79030715*	*1.86289405*	*1.14696052*	*3.38284919*	*1.30071256*	*0.49855967*	*0.15240821*
Int SD	*866.20900000*	*6856.81000000*	*621445*	*362.29300000*	*529.73600000*	*7701.70000000*	*13.30990000*
RelInt Mean	0.00781602	0.00711438	21.19010000	0.00280792	0.01358670	0.59850800	0.00013876
RelInt RSD	*4.48230685*	*2.42657828*	*1.15955564*	*4.91776831*	*0.65696527*	*0.12283478*	*31.17526665*
RelInt SD	*0.00035034*	*0.00017264*	*0.24571100*	*0.00013809*	*0.00008926*	*0.00073518*	*0.00004326*
Conc Mean	0.05395820[mg/l]	0.24396300[mg/l]	76.88440000[mg/l]	3.63601000[mg/l]	4.37802000[mg/l]	0.43621900[mg/l]	0.00105469[mg/l]
Conc RSD	*4.51026906*	*2.47499826*	*1.15966568*	*5.92872407*	*0.68127373*	*0.12295590*	*33.37634755*
Conc SD	*0.00243366[mg/l]*	*0.00603808[mg/l]*	*0.89160200[mg/l]*	*0.21556900[mg/l]*	*0.02982630[mg/l]*	*0.00053636[mg/l]*	*0.00035202[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	78732.5000000	126159	145286	9533.42000000	7830.19000000	13477.0000000	49713.3000000
Int RSD	*0.75814435*	*0.23875823*	*0.15681139*	*0.17109914*	*0.42490284*	*0.81521852*	*1.08221341*
Int SD	*596.90600000*	*301.21500000*	*227.82500000*	*16.31160000*	*33.27070000*	*109.86700000*	*538.00400000*
RelInt Mean	0.04029720	0.04465220	0.05213750	0.00036033	-0.00007897	0.00126902	0.02245870
RelInt RSD	*1.15737818*	*0.47205289*	*0.51123088*	*3.08994330*	*5.15602227*	*3.05274937*	*1.08740488*
RelInt SD	*0.00046639*	*0.00021078*	*0.00026654*	*0.00001113*	*0.00000407*	*0.00003874*	*0.00024422*
Conc Mean	5.99527000[mg/l]	0.37975100[mg/l]	1.61440000[mg/l]	0.02118370[mg/l]	<-0.00466123[mg/l]	0.02493620[mg/l]	0.02289570[mg/l]
Conc RSD	*1.17430241*	*0.47298888*	*0.51229807*	*2.97199262*	*5.93055910*	*3.17590892*	*1.14267745*
Conc SD	*0.07040260[mg/l]*	*0.00179618[mg/l]*	*0.00827054[mg/l]*	*0.00062958[mg/l]*	*0.00027644[mg/l]*	*0.00079195[mg/l]*	*0.00026162[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	719141	7745.40000000	21438.2000000	2571160	42689800	1361530	1082970
Int RSD	*2.45921175*	*0.06546428*	*0.18857833*	*0.37968855*	*0.17573495*	*0.43052008*	*0.21842803*
Int SD	*17685.2000000*	*5.07047000*	*40.42780000*	*9762.40000000*	*75020.9000000*	*5861.66000000*	*2365.51000000*
RelInt Mean	0.01504700	-0.00020285	0.00006899	---	---	---	0.42054000
RelInt RSD	*2.91392969*	*2.97108744*	*3.64750320*	---	---	---	*0.31391782*
RelInt SD	*0.00043846*	*0.00000603*	*0.00000252*	---	---	---	*0.00132015*
Conc Mean	0.14147400[mg/l]	<-0.01385980[mg/l]	0.00366041[mg/l]	2556110	42585400	1340870	1.40498000[mg/l]
Conc RSD	*2.91437296*	*3.60422228*	*11.66306507*	---	---	---	*0.31423864*
Conc SD	*0.00412308[mg/l]*	*0.00049954[mg/l]*	*0.00042692[mg/l]*	*9777.64000000*	*75110.9000000*	*5656.12000000*	*0.00441499[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9650.02000000	24053.5000000	768294	77272.1000000	11416.0000000	113669	
Int RSD	*2.98381765*	*1.55144989*	*0.87443218*	*0.31306901*	*0.92439559*	*0.27446006*	
Int SD	*287.93900000*	*373.17800000*	*6718.21000000*	*241.91500000*	*105.52900000*	*311.97600000*	
RelInt Mean	0.00006569	0.00033846	0.29550900	0.02667080	-0.00007902	0.04105930	
RelInt RSD	*55.30942196*	*44.30837140*	*0.60140639*	*0.25037307*	*58.21044919*	*0.37942926*	
RelInt SD	*0.00003633*	*0.00014997*	*0.00177721*	*0.00006678*	*0.00004600*	*0.00015579*	
Conc Mean	<0.00046201[mg/l]	<0.00437245[mg/l]	5.54717000[mg/l]	0.92551500[mg/l]	<-0.00065599[mg/l]	3.57642000[mg/l]	
Conc RSD	*21.15642018*	*85.43562534*	*0.60382321*	*0.25157777*	*29.34269939*	*0.37934303*	
Conc SD	*0.00009775[mg/l]*	*0.00373563[mg/l]*	*0.03349510[mg/l]*	*0.00232839[mg/l]*	*0.00019248[mg/l]*	*0.01356690[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-017	Client ID:	ARCH-C8W-MED-L3-UP-C8.4-DG-230911-L-LA
Seqnum:	483369139170	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 21:18
Cal:	483369139001	Caldate:	13-SEP-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	2.018	100	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2530970	2.93

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-017,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 21:18:49	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72886.6000000	66887.6000000	9235.21000000	18030.9000000	33272.5000000	531845	16977.5000000
Int RSD	*0.43698842*	*0.29307674*	*0.25618042*	*0.55626175*	*0.61666541*	*1.06676569*	*0.63784421*
Int SD	*318.50600000*	*196.03200000*	*23.65880000*	*100.29900000*	*205.18000000*	*5673.54000000*	*108.29000000*
RelInt Mean	0.00003561	0.03365730	0.00007394	0.00257177	0.00848776	0.39234300	0.00235939
RelInt RSD	*19.66619396*	*1.05655831*	*15.86518434*	*0.87197533*	*0.35385190*	*0.25468226*	*1.99345594*
RelInt SD	*0.00000700*	*0.00035561*	*0.00001173*	*0.00002243*	*0.00003003*	*0.00099923*	*0.00004703*
Conc Mean	<-0.00015282[mg/l]	3.83624000[mg/l]	0.00659357[mg/l]	0.02202640[mg/l]	0.02827470[mg/l]	17.13150000[mg/l]	0.01340510[mg/l]
Conc RSD	*188.66517036*	*1.06033512*	*10.78226211*	*1.42466767*	*0.36000382*	*0.25749701*	*2.00044013*
Conc SD	*0.00028832[mg/l]*	*0.04067700[mg/l]*	*0.00071094[mg/l]*	*0.00031380[mg/l]*	*0.00010179[mg/l]*	*0.04411310[mg/l]*	*0.00026816[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	26777.2000000	525098	53706800	11587.9000000	46963.3000000	1902780	8880.51000000
Int RSD	*0.16740772*	*1.52208540*	*0.84616473*	*0.54253661*	*0.71553319*	*0.97635039*	*0.23551463*
Int SD	*44.82710000*	*7992.44000000*	*454448*	*62.86860000*	*336.03800000*	*18577.8000000*	*20.91490000*
RelInt Mean	0.00625532	0.01097300	21.33990000	0.00349985	0.01840190	0.75028700	0.00011162
RelInt RSD	*0.26698394*	*1.28967466*	*0.75127344*	*0.68980099*	*0.36396568*	*0.47526480*	*17.30206513*
RelInt SD	*0.00001670*	*0.00014152*	*0.16032100*	*0.00002414*	*0.00006698*	*0.00356585*	*0.00001931*
Conc Mean	0.04311670[mg/l]	0.37892200[mg/l]	77.42790000[mg/l]	4.71622000[mg/l]	5.98649000[mg/l]	0.54696100[mg/l]	0.00083380[mg/l]
Conc RSD	*0.26911846*	*1.30639815*	*0.75137773*	*0.79912303*	*0.37375658*	*0.47564269*	*18.84693618*
Conc SD	*0.00011604[mg/l]*	*0.00495023[mg/l]*	*0.58177600[mg/l]*	*0.03768840[mg/l]*	*0.02237490[mg/l]*	*0.00260158[mg/l]*	*0.00015715[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	92498.5000000	51930.4000000	176103	9275.61000000	8113.32000000	14768.9000000	60133.7000000
Int RSD	*0.49735077*	*0.18111087*	*0.22109277*	*0.41659902*	*0.95291570*	*0.63575622*	*0.43955552*
Int SD	*460.04200000*	*94.05160000*	*389.35100000*	*38.64210000*	*77.31310000*	*93.89420000*	*264.32100000*
RelInt Mean	0.05110820	0.01585930	0.06517850	0.00018229	-0.00007860	0.00153312	0.03055100
RelInt RSD	*0.91909713*	*0.39677855*	*0.46752994*	*11.06162843*	*24.18110638*	*2.58341161*	*1.66816143*
RelInt SD	*0.00046973*	*0.00006293*	*0.00030473*	*0.00002016*	*0.00001901*	*0.00003961*	*0.00050964*
Conc Mean	7.62700000[mg/l]	0.13438400[mg/l]	2.01830000[mg/l]	0.01127740[mg/l]	<-0.00463572[mg/l]	0.03033470[mg/l]	0.03156410[mg/l]
Conc RSD	*0.92963419*	*0.39878408*	*0.46795026*	*10.00620710*	*27.83300113*	*2.66894019*	*1.72960103*
Conc SD	*0.07090320[mg/l]*	*0.00053590[mg/l]*	*0.00944464[mg/l]*	*0.00112844[mg/l]*	*0.00129026[mg/l]*	*0.00080961[mg/l]*	*0.00054593[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	1063150	8069.67000000	22351.9000000	2530970	42027800	1347850	1327730
Int RSD	*3.26663218*	*0.56614707*	*1.57909171*	*0.60570058*	*0.56132370*	*1.31352895*	*0.36484376*
Int SD	*34729.2000000*	*45.68620000*	*352.95700000*	*15330.1000000*	*235912*	*17704.4000000*	*4844.14000000*
RelInt Mean	0.02348890	-0.00022640	0.00009010	---	---	---	0.52447100
RelInt RSD	*3.08778189*	*3.59020057*	*5.17015033*	---	---	---	*0.42648116*
RelInt SD	*0.00072529*	*0.00000813*	*0.00000466*	---	---	---	*0.00223677*
Conc Mean	0.22086400[mg/l]	<-0.01597480[mg/l]	0.00724189[mg/l]	2515910	41924000	1327210	1.75285000[mg/l]
Conc RSD	*3.08839376*	*4.07976313*	*10.91607301*	---	---	---	*0.42698405*
Conc SD	*0.00682115[mg/l]*	*0.00065173[mg/l]*	*0.00079053[mg/l]*	*15278.1000000*	*235593*	*17679.6000000*	*0.00748439[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9447.18000000	24120.4000000	1142790	96008.3000000	11557.2000000	141223	
Int RSD	*1.82231100*	*0.89025472*	*0.90045415*	*0.34382236*	*0.75922801*	*0.77379747*	
Int SD	*172.15700000*	*214.73300000*	*10290.3000000*	*330.09800000*	*87.74550000*	*1092.78000000*	
RelInt Mean	-0.00010780	0.00037311	0.44895600	0.03431210	-0.00006280	0.05250020	
RelInt RSD	*85.53472538*	*6.43945688*	*0.88808035*	*0.34425757*	*100.31478736*	*0.58166636*	
RelInt SD	*0.00009221*	*0.00002403*	*0.00398709*	*0.00011812*	*0.00006300*	*0.00030538*	
Conc Mean	<-0.00000475[mg/l]	0.00523543[mg/l]	8.43939000[mg/l]	1.19189000[mg/l]	<-0.00059977[mg/l]	4.57283000[mg/l]	
Conc RSD	*5228.16504848*	*11.43134375*	*0.89048735*	*0.34575338*	*43.61431280*	*0.58168355*	
Conc SD	*0.00024808[mg/l]*	*0.00059848[mg/l]*	*0.07515170[mg/l]*	*0.00412100[mg/l]*	*0.00026159[mg/l]*	*0.02659940[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-019	Client ID:	ARCH-C9W-LAT-L3-UP-C9.1-HS-230911-L-LA
Seqnum:	483369139171	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 21:22
Cal:	483369139001	Caldate:	13-SEP-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	1.453	73	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2524770	2.68

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-019,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 21:22:03	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72064.4000000	47619.5000000	7879.78000000	16319.3000000	24937.7000000	405822	14114.6000000
Int RSD	*0.98471784*	*0.54248155*	*0.69697885*	*0.73585877*	*0.35151878*	*0.46829645*	*0.79795389*
Int SD	*709.63100000*	*258.32700000*	*54.92040000*	*120.08700000*	*87.66070000*	*1900.45000000*	*112.62800000*
RelInt Mean	0.00003533	0.01933680	-0.00023402	0.00215990	0.00532921	0.29567200	0.00133898
RelInt RSD	*18.76314195*	*0.90324149*	*5.07546299*	*2.47566554*	*1.37344184*	*0.54333856*	*4.99188188*
RelInt SD	*0.00000663*	*0.00017466*	*0.00001188*	*0.00005347*	*0.00007319*	*0.00160650*	*0.00006684*
Conc Mean	<-0.00016454[mg/l]	2.19809000[mg/l]	<-0.01206190[mg/l]	0.01626390[mg/l]	0.01763380[mg/l]	12.86510000[mg/l]	0.00754355[mg/l]
Conc RSD	*165.84175565*	*0.90885269*	*5.96525423*	*4.59989916*	*1.39543944*	*0.55099300*	*5.13120480*
Conc SD	*0.00027288[mg/l]*	*0.01997740[mg/l]*	*0.00071952[mg/l]*	*0.00074812[mg/l]*	*0.00024607[mg/l]*	*0.07088580[mg/l]*	*0.00038707[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	21873.7000000	230687	28232500	10868.9000000	41044.9000000	1036130	8121.65000000
Int RSD	*0.62328733*	*1.42397708*	*0.38784734*	*1.71953004*	*1.42539999*	*1.02786330*	*0.40119680*
Int SD	*136.33600000*	*3284.93000000*	*109499*	*186.89400000*	*585.05400000*	*10650.0000000*	*32.58380000*
RelInt Mean	0.00450025	0.00397605	11.24100000	0.00293425	0.01388960	0.40722600	0.00000705
RelInt RSD	*1.66038998*	*0.91022497*	*0.60195445*	*3.54342677*	*1.64075999*	*0.50893116*	*313.88132763*
RelInt SD	*0.00007472*	*0.00003619*	*0.06766570*	*0.00010397*	*0.00022789*	*0.00207250*	*0.00002213*
Conc Mean	0.03092500[mg/l]	0.13419900[mg/l]	40.78430000[mg/l]	3.83323000[mg/l]	4.47921000[mg/l]	0.29665500[mg/l]	<-0.00001709[mg/l]
Conc RSD	*1.67848989*	*0.94312923*	*0.60198410*	*4.23441849*	*1.69950281*	*0.50981443*	*1053.70800588*
Conc SD	*0.00051907[mg/l]*	*0.00126567[mg/l]*	*0.24551500[mg/l]*	*0.16231500[mg/l]*	*0.07612430[mg/l]*	*0.00151239[mg/l]*	*0.00018007[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	84020.8000000	66798.2000000	129510	8754.05000000	7578.12000000	11320.5000000	48933.8000000
Int RSD	*0.29882362*	*0.31349497*	*0.90277971*	*0.57301135*	*0.57162067*	*0.21139879*	*0.83453359*
Int SD	*251.07400000*	*209.40900000*	*1169.19000000*	*50.16170000*	*43.31810000*	*23.93140000*	*408.36900000*
RelInt Mean	0.04451630	0.02197640	0.04687200	0.00013202	-0.00007348	0.00048192	0.02203700
RelInt RSD	*0.20186336*	*0.72889099*	*0.57662570*	*7.32288510*	*19.07111894*	*0.85082317*	*0.68989427*
RelInt SD	*0.00008986*	*0.00016018*	*0.00027028*	*0.00000967*	*0.00001401*	*0.00000410*	*0.00015203*
Conc Mean	6.63206000[mg/l]	0.18651200[mg/l]	1.45255000[mg/l]	0.00853392[mg/l]	<-0.00428803[mg/l]	0.00884680[mg/l]	0.02244410[mg/l]
Conc RSD	*0.20451112*	*0.73160440*	*0.57675743*	*6.30923421*	*22.18498938*	*0.94735611*	*0.72547351*
Conc SD	*0.01356330[mg/l]*	*0.00136453[mg/l]*	*0.00837769[mg/l]*	*0.00053842[mg/l]*	*0.00095130[mg/l]*	*0.00008381[mg/l]*	*0.00016283[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	771622	7583.43000000	20994.6000000	2524770	42174300	1356170	852825
Int RSD	*1.15743589*	*0.37982813*	*1.25262210*	*0.97430657*	*0.89913051*	*0.29344404*	*0.96334183*
Int SD	*8931.03000000*	*28.80400000*	*262.98300000*	*24599.0000000*	*379202*	*3979.60000000*	*8215.62000000*
RelInt Mean	0.01649680	-0.00021135	0.00007489	---	---	---	0.33655400
RelInt RSD	*1.59912225*	*2.58336015*	*6.84623057*	---	---	---	*0.30281916*
RelInt SD	*0.00026380*	*0.00000546*	*0.00000513*	---	---	---	*0.00101915*
Conc Mean	0.15510900[mg/l]	<-0.01458230[mg/l]	0.00466176[mg/l]	2510270	42072200	1335630	1.12389000[mg/l]
Conc RSD	*1.59906904*	*3.03207999*	*18.66280117*	---	---	---	*0.30383756*
Conc SD	*0.00248030[mg/l]*	*0.00044215[mg/l]*	*0.00087002[mg/l]*	*24634.0000000*	*379108*	*3970.82000000*	*0.00341480[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9520.53000000	23953.7000000	691921	81744.4000000	11147.4000000	125805	
Int RSD	*1.50673334*	*0.88868526*	*1.06265744*	*0.13830672*	*0.15615300*	*1.10320734*	
Int SD	*143.44900000*	*212.87300000*	*7352.75000000*	*113.05800000*	*17.40700000*	*1387.89000000*	
RelInt Mean	-0.00005838	0.00025162	0.27074700	0.02898850	0.00005378	0.04667680	
RelInt RSD	*57.91939296*	*22.41083848*	*0.37769948*	*0.81356400*	*29.16338943*	*0.69613812*	
RelInt SD	*0.00003381*	*0.00005639*	*0.00102261*	*0.00023584*	*0.00001568*	*0.00032493*	
Conc Mean	<0.00012822[mg/l]	<0.00220928[mg/l]	5.08048000[mg/l]	1.00631000[mg/l]	<-0.00004650[mg/l]	4.06566000[mg/l]	
Conc RSD	*70.95401510*	*63.58044250*	*0.37940116*	*0.81700569*	*138.35517757*	*0.69604689*	
Conc SD	*0.00009097[mg/l]*	*0.00140467[mg/l]*	*0.01927540[mg/l]*	*0.00822161[mg/l]*	*0.00006434[mg/l]*	*0.02829890[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-021	Client ID:	ARCH-C11W-LAT-L3-EXT-0 TO 1-230911-L-WF
Seqnum:	483369139172	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 21:25
Cal:	483369139001	Caldate:	13-SEP-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	4.643	230	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2520500	2.50

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-021,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 21:25:19	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72621.9000000	66262.3000000	7842.85000000	16632.9000000	44199.8000000	659947	14805.0000000
Int RSD	*0.39627440*	*0.86315597*	*0.76457920*	*0.99406598*	*0.35918941*	*1.51536411*	*0.54207160*
Int SD	*287.78200000*	*571.94700000*	*59.96480000*	*165.34200000*	*158.76100000*	*10000.6000000*	*80.25370000*
RelInt Mean	0.00004106	0.03279440	-0.00027791	0.00229151	0.01302650	0.48626500	0.00158262
RelInt RSD	*4.69164846*	*1.15169663*	*5.03785344*	*3.33620626*	*0.52835681*	*1.08512642*	*2.95083469*
RelInt SD	*0.00000193*	*0.00037769*	*0.00001400*	*0.00007645*	*0.00006883*	*0.00527659*	*0.00004670*
Conc Mean	<0.00007161[mg/l]	3.73753000[mg/l]	<-0.01471970[mg/l]	0.01810520[mg/l]	0.04357130[mg/l]	21.27650000[mg/l]	0.00888581[mg/l]
Conc RSD	*110.75766589*	*1.15602818*	*5.77062033*	*5.90752933*	*0.53086780*	*1.09443282*	*3.04973885*
Conc SD	*0.00007931[mg/l]*	*0.04320690[mg/l]*	*0.00084942[mg/l]*	*0.00106957[mg/l]*	*0.00023131[mg/l]*	*0.23285700[mg/l]*	*0.00027099[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	20768.6000000	247343	24800400	10754.9000000	46408.6000000	1395910	8431.11000000
Int RSD	*1.76883854*	*1.09957023*	*0.94025500*	*1.16985746*	*0.56728279*	*0.48142287*	*0.82582127*
Int SD	*367.36300000*	*2719.71000000*	*233187*	*125.81700000*	*263.26800000*	*6720.23000000*	*69.62590000*
RelInt Mean	0.00407758	0.00435617	9.88945000	0.00288660	0.01799870	0.55142100	0.00006152
RelInt RSD	*3.32962198*	*1.11568419*	*0.73666281*	*1.25038800*	*0.93056721*	*0.54210123*	*46.96080328*
RelInt SD	*0.00013577*	*0.00004860*	*0.07285190*	*0.00003609*	*0.00016749*	*0.00298926*	*0.00002889*
Conc Mean	0.02798880[mg/l]	0.14749300[mg/l]	35.88040000[mg/l]	3.75883000[mg/l]	5.85179000[mg/l]	0.40186300[mg/l]	<0.00042614[mg/l]
Conc RSD	*3.36970145*	*1.15252249*	*0.73674207*	*1.49895313*	*0.95604764*	*0.54272974*	*55.16606162*
Conc SD	*0.00094314[mg/l]*	*0.00169989[mg/l]*	*0.26434600[mg/l]*	*0.05634310[mg/l]*	*0.05594590[mg/l]*	*0.00218103[mg/l]*	*0.00023508[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	84261.0000000	22858.2000000	387646	8626.68000000	7727.33000000	10953.7000000	70279.8000000
Int RSD	*0.37775009*	*0.56256836*	*0.81174577*	*0.18127020*	*0.73216363*	*0.35012462*	*0.40284264*
Int SD	*318.29600000*	*128.59300000*	*3146.70000000*	*15.63760000*	*56.57670000*	*38.35160000*	*283.11700000*
RelInt Mean	0.04475340	0.00445694	0.14980600	0.00002618	-0.00005995	0.00028946	0.03812360
RelInt RSD	*0.84139753*	*1.68603571*	*0.52007129*	*55.22844230*	*17.05910315*	*9.78231654*	*0.81793430*
RelInt SD	*0.00037655*	*0.00007515*	*0.00077910*	*0.00001446*	*0.00001023*	*0.00002832*	*0.00031183*
Conc Mean	6.66785000[mg/l]	0.03721500[mg/l]	4.64310000[mg/l]	<0.00262426[mg/l]	<-0.00337010[mg/l]	0.00491268[mg/l]	0.03967560[mg/l]
Conc RSD	*0.85237220*	*1.72067446*	*0.52013310*	*30.65145984*	*20.60312750*	*11.78165482*	*0.84188015*
Conc SD	*0.05683490[mg/l]*	*0.00064035[mg/l]*	*0.02415030[mg/l]*	*0.00080437[mg/l]*	*0.00069435[mg/l]*	*0.00057880[mg/l]*	*0.00033402[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	992616	7720.69000000	20820.7000000	2520500	42213700	1354950	1676690
Int RSD	*1.18846563*	*0.51336474*	*0.37224301*	*0.49590161*	*0.55123100*	*0.47541090*	*0.36903900*
Int SD	*11796.9000000*	*39.63530000*	*77.50360000*	*12499.2000000*	*232695*	*6441.58000000*	*6187.64000000*
RelInt Mean	0.02171370	-0.00020194	0.00006407	---	---	---	0.66570600
RelInt RSD	*1.35221542*	*1.74959271*	*6.75279938*	---	---	---	*0.18927424*
RelInt SD	*0.00029362*	*0.00000353*	*0.00000433*	---	---	---	*0.00126001*
Conc Mean	0.20417000[mg/l]	<-0.01394260[mg/l]	0.00282495[mg/l]	2506110	42110600	1334410	2.22558000[mg/l]
Conc RSD	*1.35255424*	*2.02069915*	*25.98591126*	---	---	---	*0.18954789*
Conc SD	*0.00276151[mg/l]*	*0.00028174[mg/l]*	*0.00073409[mg/l]*	*12511.9000000*	*232477*	*6310.57000000*	*0.00421854[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9641.73000000	24098.9000000	1355920	73391.7000000	11165.6000000	121658	
Int RSD	*0.61863794*	*1.61429360*	*0.78141041*	*0.46341753*	*0.30895071*	*0.63170363*	
Int SD	*59.64740000*	*389.02700000*	*10595.3000000*	*340.11000000*	*34.49620000*	*768.51800000*	
RelInt Mean	0.00011467	0.00044263	0.53606200	0.02567250	0.00004281	0.04505280	
RelInt RSD	*48.23530951*	*22.88638366*	*1.27714145*	*1.03802512*	*51.53284808*	*0.44616095*	
RelInt SD	*0.00005531*	*0.00010130*	*0.00684627*	*0.00026649*	*0.00002206*	*0.00020101*	
Conc Mean	<0.00059378[mg/l]	0.00696722[mg/l]	10.08120000[mg/l]	0.89071600[mg/l]	<-0.00008251[mg/l]	3.92422000[mg/l]	
Conc RSD	*25.06045970*	*36.21788891*	*1.27993691*	*1.04292277*	*108.22916591*	*0.44613452*	
Conc SD	*0.00014881[mg/l]*	*0.00252338[mg/l]*	*0.12903300[mg/l]*	*0.00928948[mg/l]*	*0.00008930[mg/l]*	*0.01750730[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-022	Client ID:	ARCH-C11W-LAT-L3-EXT-0 TO 1-230911-L-DUP-WF
Seqnum:	483369139173	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 21:28
Cal:	483369139001	Caldate:	13-SEP-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	5.784	290	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2552120	3.79

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-022,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 21:28:34	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72355.5000000	81603.4000000	7960.52000000	17117.9000000	54382.7000000	833159	14636.4000000
Int RSD	*0.27852202*	*0.32766159*	*0.59044384*	*0.23554817*	*0.08279710*	*0.51766950*	*0.45707756*
Int SD	*201.52600000*	*267.38300000*	*47.00240000*	*40.32090000*	*45.02730000*	*4313.01000000*	*66.89970000*
RelInt Mean	0.00003694	0.04298380	-0.00025664	0.00243688	0.01685710	0.60630100	0.00149022
RelInt RSD	*6.97463317*	*0.92814270*	*4.10797921*	*0.81989675*	*0.38983336*	*1.16608582*	*2.31432943*
RelInt SD	*0.00000258*	*0.00039895*	*0.00001054*	*0.00001998*	*0.00006571*	*0.00706999*	*0.00003449*
Conc Mean	<-0.00009817[mg/l]	4.90311000[mg/l]	<-0.01342760[mg/l]	0.02013910[mg/l]	0.05648120[mg/l]	26.57390000[mg/l]	0.00825402[mg/l]
Conc RSD	*108.04129130*	*0.93071744*	*4.75871340*	*1.38770849*	*0.39184189*	*1.17411069*	*2.41631351*
Conc SD	*0.00010607[mg/l]*	*0.04563410[mg/l]*	*0.00063898[mg/l]*	*0.00027947[mg/l]*	*0.00022132[mg/l]*	*0.31200700[mg/l]*	*0.00019944[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	19754.5000000	237769	20654300	11553.1000000	52663.3000000	1539020	8437.94000000
Int RSD	*0.39630869*	*1.49330653*	*0.02276243*	*2.61985960*	*0.86398498*	*0.46968006*	*0.29396511*
Int SD	*78.28880000*	*3550.62000000*	*4701.42000000*	*302.67500000*	*455.00300000*	*7228.47000000*	*24.80460000*
RelInt Mean	0.00360742	0.00410036	8.13262000	0.00338606	0.02226330	0.60091500	0.00002114
RelInt RSD	*1.52652034*	*1.90852023*	*0.18368742*	*2.39050401*	*0.19583889*	*0.64448050*	*106.25555703*
RelInt SD	*0.00005507*	*0.00007826*	*0.01493860*	*0.00008094*	*0.00004360*	*0.00387278*	*0.00002247*
Conc Mean	0.02472280[mg/l]	0.13854600[mg/l]	29.50580000[mg/l]	4.53856000[mg/l]	7.27636000[mg/l]	0.43797500[mg/l]	<0.00009760[mg/l]
Conc RSD	*1.54732474*	*1.97545220*	*0.18374862*	*2.78427519*	*0.20010142*	*0.64507335*	*187.31212232*
Conc SD	*0.00038254[mg/l]*	*0.00273691[mg/l]*	*0.05421650[mg/l]*	*0.12636600[mg/l]*	*0.01456010[mg/l]*	*0.00282526[mg/l]*	*0.00018282[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	93915.9000000	23166.8000000	486060	8699.45000000	7750.29000000	10954.7000000	83640.2000000
Int RSD	*0.21214086*	*0.12668129*	*0.55863679*	*0.67873831*	*0.25637750*	*0.38336239*	*0.65459671*
Int SD	*199.23400000*	*29.34800000*	*2715.31000000*	*59.04650000*	*19.87000000*	*41.99620000*	*547.50600000*
RelInt Mean	0.05101790	0.00450334	0.18661800	0.00002004	-0.00005561	0.00024507	0.04723720
RelInt RSD	*1.13891987*	*0.56191405*	*0.72882573*	*110.59911283*	*16.39736385*	*3.44443356*	*0.28466548*
RelInt SD	*0.00058105*	*0.00002530*	*0.00136012*	*0.00002217*	*0.00000912*	*0.00000844*	*0.00013447*
Conc Mean	7.61337000[mg/l]	0.03761050[mg/l]	5.78418000[mg/l]	<0.00229993[mg/l]	<-0.00307527[mg/l]	0.00400529[mg/l]	0.04943790[mg/l]
Conc RSD	*1.15192746*	*0.57320163*	*0.72891058*	*53.88685743*	*20.13046009*	*4.30785286*	*0.29131294*
Conc SD	*0.08770050[mg/l]*	*0.00021558[mg/l]*	*0.04216150[mg/l]*	*0.00123936[mg/l]*	*0.00061907[mg/l]*	*0.00017254[mg/l]*	*0.00014402[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	1239390	7815.73000000	20994.9000000	2552120	42563800	1376230	2375990
Int RSD	*1.89178548*	*0.23914209*	*0.40252395*	*0.16732520*	*0.26689816*	*0.63049127*	*0.04717823*
Int SD	*23446.6000000*	*18.69070000*	*84.50950000*	*4270.34000000*	*113602*	*8677.01000000*	*1120.95000000*
RelInt Mean	0.02733530	-0.00016837	0.00006959	---	---	---	0.93283100
RelInt RSD	*1.81387437*	*6.76062863*	*7.00427489*	---	---	---	*0.14784350*
RelInt SD	*0.00049583*	*0.00001138*	*0.00000487*	---	---	---	*0.00137913*
Conc Mean	0.25703700[mg/l]	<-0.01134460[mg/l]	0.00376261[mg/l]	2537840	42460200	1355540	3.11967000[mg/l]
Conc RSD	*1.81425631*	*8.15574811*	*21.98553664*	---	---	---	*0.14795988*
Conc SD	*0.00466331[mg/l]*	*0.00092524[mg/l]*	*0.00082723[mg/l]*	*4290.97000000*	*113742*	*8568.04000000*	*0.00461586[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9931.02000000	24119.0000000	1620020	85040.8000000	11335.4000000	149833	
Int RSD	*2.42548097*	*1.12633608*	*0.47123122*	*0.30661165*	*1.14218290*	*0.25117764*	
Int SD	*240.87500000*	*271.66100000*	*7634.04000000*	*260.74500000*	*129.47100000*	*376.34700000*	
RelInt Mean	0.00023752	0.00032458	0.63322300	0.02984700	0.00013148	0.05549170	
RelInt RSD	*45.81784347*	*36.29641725*	*0.30834003*	*0.42102724*	*43.71264499*	*0.39483202*	
RelInt SD	*0.00010883*	*0.00011781*	*0.00195248*	*0.00012566*	*0.00005747*	*0.00021910*	
Conc Mean	<0.00092431[mg/l]	<0.00402673[mg/l]	11.91250000[mg/l]	1.03624000[mg/l]	<0.00028195[mg/l]	4.83338000[mg/l]	
Conc RSD	*31.67610071*	*72.87923452*	*0.30885121*	*0.42304196*	*84.22818554*	*0.39473826*	
Conc SD	*0.00029279[mg/l]*	*0.00293465[mg/l]*	*0.03679190[mg/l]*	*0.00438373[mg/l]*	*0.00023748[mg/l]*	*0.01907920[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	492059-024	Client ID:	ARCH-C8W-MED-L3-DN-C8.7-DG-230911-L-LA
Seqnum:	483369139176	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 21:38
Cal:	483369139001	Caldate:	13-SEP-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	2.317	120	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2458930	2458100	-0.03

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 492059-024,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 21:38:14	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72191.5000000	69513.3000000	9588.07000000	17987.8000000	39049.7000000	492861	19788.3000000
Int RSD	*0.75096791*	*1.16224089*	*0.58792228*	*0.20056205*	*0.51635224*	*0.45105212*	*0.32643077*
Int SD	*542.13500000*	*807.91200000*	*56.37040000*	*36.07670000*	*201.63400000*	*2223.06000000*	*64.59510000*
RelInt Mean	0.00002261	0.03676000	0.00021103	0.00243771	0.01102870	0.37075800	0.00353847
RelInt RSD	*30.57125421*	*2.63443145*	*18.87974336*	*1.33870313*	*0.41595836*	*0.89613710*	*0.60469073*
RelInt SD	*0.00000691*	*0.00096842*	*0.00003984*	*0.00003263*	*0.00004587*	*0.00332250*	*0.00002140*
Conc Mean	<-0.00068791[mg/l]	4.19116000[mg/l]	0.01486650[mg/l]	0.02015070[mg/l]	0.03683940[mg/l]	16.17890000[mg/l]	0.02026570[mg/l]
Conc RSD	*41.37376128*	*2.64315846*	*16.24410588*	*2.26573767*	*0.41501219*	*0.90611846*	*0.52725541*
Conc SD	*0.00028461[mg/l]*	*0.11077900[mg/l]*	*0.00241493[mg/l]*	*0.00045656[mg/l]*	*0.00015289[mg/l]*	*0.14660000[mg/l]*	*0.00010685[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	41271.8000000	526986	77500400	9573.38000000	46530.9000000	2490010	8928.41000000
Int RSD	*0.55385760*	*1.51885249*	*0.60805751*	*1.04872051*	*0.98051617*	*2.76657523*	*1.13754857*
Int SD	*228.58700000*	*8004.14000000*	*471247*	*100.39800000*	*456.24300000*	*68888.0000000*	*101.56500000*
RelInt Mean	0.01224860	0.01121300	31.72040000	0.00220476	0.01871230	1.01293000	0.00004339
RelInt RSD	*0.11500335*	*2.05893160*	*0.16709499*	*1.03566375*	*1.79308262*	*2.60693236*	*133.24991012*
RelInt SD	*0.00001409*	*0.00023087*	*0.05300320*	*0.00002283*	*0.00033553*	*0.02640640*	*0.00005782*
Conc Mean	0.08474950[mg/l]	0.38731300[mg/l]	>115.09300000[mg/l]	2.69437000[mg/l]	6.09018000[mg/l]	0.73859300[mg/l]	<0.00027865[mg/l]
Conc RSD	*0.11515124*	*2.08504749*	*0.16724388*	*1.32331120*	*1.84017550*	*2.60848668*	*168.85436517*
Conc SD	*0.00009759[mg/l]*	*0.00807566[mg/l]*	*0.19248600[mg/l]*	*0.03565490[mg/l]*	*0.11207000[mg/l]*	*0.01926610[mg/l]*	*0.00047051[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	75420.1000000	185263	195059	10279.9000000	7946.48000000	16744.6000000	61730.3000000
Int RSD	*1.04834520*	*0.64079174*	*0.72017697*	*0.70492709*	*0.62644592*	*0.84914540*	*0.99166536*
Int SD	*790.66300000*	*1187.15000000*	*1404.77000000*	*72.46580000*	*49.78040000*	*142.18600000*	*612.15800000*
RelInt Mean	0.03942720	0.07084220	0.07486240	0.00056364	-0.00021745	0.00237032	0.03270940
RelInt RSD	*2.29005610*	*0.05278549*	*0.11853387*	*6.77397549*	*7.23168544*	*1.77130514*	*1.84864290*
RelInt SD	*0.00090290*	*0.00003739*	*0.00008874*	*0.00003818*	*0.00001573*	*0.00004199*	*0.00060468*
Conc Mean	5.86396000[mg/l]	0.60293700[mg/l]	2.31700000[mg/l]	0.03238810[mg/l]	<-0.01406230[mg/l]	0.04744810[mg/l]	0.03387610[mg/l]
Conc RSD	*2.32406087*	*0.05287385*	*0.11745749*	*6.60211621*	*7.59136130*	*1.80883112*	*1.91204123*
Conc SD	*0.13628200[mg/l]*	*0.00031880[mg/l]*	*0.00272149[mg/l]*	*0.00213830[mg/l]*	*0.00106752[mg/l]*	*0.00085826[mg/l]*	*0.00064773[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	1155480	8173.57000000	22475.7000000	2458100	41351800	1320530	1773000
Int RSD	*4.10656178*	*0.73147474*	*0.87523859*	*0.73538099*	*0.44026862*	*0.90053236*	*0.95516638*
Int SD	*47450.5000000*	*59.78760000*	*196.71600000*	*18076.4000000*	*182059*	*11891.8000000*	*16935.1000000*
RelInt Mean	0.02613990	-0.00025460	0.00008834	---	---	---	0.72242000
RelInt RSD	*4.75801361*	*0.48642768*	*1.76830290*	---	---	---	*0.25574043*
RelInt SD	*0.00124374*	*0.00000124*	*0.00000156*	---	---	---	*0.00184752*
Conc Mean	0.24579400[mg/l]	<-0.01832960[mg/l]	0.00694420[mg/l]	2442640	41249400	1300260	2.41538000[mg/l]
Conc RSD	*4.75870038*	*0.51571829*	*3.81692636*	---	---	---	*0.25607358*
Conc SD	*0.01169660[mg/l]*	*0.00009453[mg/l]*	*0.00026505[mg/l]*	*18144.4000000*	*182229*	*11800.5000000*	*0.00618515[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9356.37000000	23829.0000000	1212930	87066.6000000	11733.2000000	122427	
Int RSD	*0.12932259*	*0.53853708*	*1.55801242*	*0.42754397*	*0.51183905*	*0.04571965*	
Int SD	*12.09990000*	*128.32800000*	*18897.6000000*	*372.24800000*	*60.05510000*	*55.97320000*	
RelInt Mean	-0.00000723	0.00046750	0.49110900	0.03168730	-0.00018425	0.04639890	
RelInt RSD	*1354.00187758*	*14.03703498*	*1.20759343*	*0.46351693*	*21.45112619*	*0.80763984*	
RelInt SD	*0.00009793*	*0.00006562*	*0.00593060*	*0.00014688*	*0.00003952*	*0.00037474*	
Conc Mean	<0.00026583[mg/l]	0.00758683[mg/l]	9.23393000[mg/l]	1.10039000[mg/l]	<-0.00113551[mg/l]	4.04146000[mg/l]	
Conc RSD	*99.11408881*	*21.54602120*	*1.21066545*	*0.46531957*	*14.94729241*	*0.80761408*	
Conc SD	*0.00026347[mg/l]*	*0.00163466[mg/l]*	*0.11179200[mg/l]*	*0.00512033[mg/l]*	*0.00016973[mg/l]*	*0.03263940[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06	Lab ID:	QC1093249		
Seqnum:	483369139158.1	Matrix:	Wipe		
File:	met06_master011	Batch:	322285	Time:	13-SEP-2023 20:32
Cal:	483369139001	Caldate:	13-SEP-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	-0.0003134	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	2458930	2658070	8.10

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BLANK,QC1093249,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 20:32:52	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	75592.2000000	21439.4000000	5338.59000000	13809.9000000	11284.7000000	17209.4000000	10687.3000000
Int RSD	*1.24890796*	*0.55645214*	*0.82137231*	*0.67545457*	*1.01695216*	*0.78555324*	*0.72008271*
Int SD	*944.07700000*	*119.30000000*	*43.84970000*	*93.27960000*	*114.76000000*	*135.18900000*	*76.95740000*
RelInt Mean	0.00004330	0.00026741	-0.00008978	0.00118872	0.00002134	0.00462674	-0.00001056
RelInt RSD	*4.51411180*	*49.51964968*	*8.07905867*	*1.68758833*	*262.62245137*	*2.76605126*	*232.82743593*
RelInt SD	*0.00000195*	*0.00013242*	*0.00000725*	*0.00002006*	*0.00005603*	*0.00012798*	*0.00002458*
Conc Mean	<0.00016393[mg/l]	<0.01672430[mg/l]	<-0.00329166[mg/l]	0.00267591[mg/l]	<-0.00025389[mg/l]	0.02059460[mg/l]	<-0.00009286[mg/l]
Conc RSD	*49.09422544*	*90.57299857*	*13.35374856*	*10.48992679*	*74.61893546*	*27.42447049*	*155.29226538*
Conc SD	*0.00008048[mg/l]*	*0.01514770[mg/l]*	*0.00043956[mg/l]*	*0.00028070[mg/l]*	*0.00018945[mg/l]*	*0.00564796[mg/l]*	*0.00014420[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	10662.1000000	72396.2000000	23180.5000000	7784.24000000	23759.3000000	16856.5000000	7195.68000000
Int RSD	*0.92686900*	*1.04550929*	*13.64577986*	*1.46047655*	*0.29767502*	*0.97580162*	*0.93362406*
Int SD	*98.82370000*	*756.90900000*	*3163.16000000*	*113.68700000*	*70.72550000*	*164.48600000*	*67.18060000*
RelInt Mean	0.00004912	0.00015765	0.00365368	0.00046562	0.00054780	0.00143425	0.00003446
RelInt RSD	*27.39451043*	*1.53342256*	*33.96739725*	*13.19467293*	*5.76761804*	*5.67088722*	*67.25076616*
RelInt SD	*0.00001346*	*0.00000242*	*0.00124106*	*0.00006144*	*0.00003160*	*0.00008133*	*0.00002317*
Conc Mean	<0.00000492[mg/l]	0.00064842[mg/l]	0.01011940[mg/l]	<-0.02071460[mg/l]	<0.02247110[mg/l]	0.00057852[mg/l]	<0.00020594[mg/l]
Conc RSD	*1901.70758454*	*13.04054137*	*44.49967389*	*463.02414722*	*46.96788319*	*10.25798367*	*91.56493702*
Conc SD	*0.00009347[mg/l]*	*0.00008456[mg/l]*	*0.00450310[mg/l]*	*0.09591360[mg/l]*	*0.01055420[mg/l]*	*0.00005935[mg/l]*	*0.00018857[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	25214.6000000	11483.1000000	11346.2000000	7670.24000000	6167.91000000	5725.25000000	20059.4000000
Int RSD	*0.13403465*	*1.04136514*	*0.65564066*	*0.52508787*	*0.85319663*	*0.85356971*	*1.65479526*
Int SD	*33.79630000*	*119.58100000*	*74.39030000*	*40.27550000*	*52.62440000*	*48.86900000*	*331.94200000*
RelInt Mean	-0.00002231	0.00002901	-0.00006216	-0.00000949	0.00000453	0.00013846	0.00011318
RelInt RSD	*485.52664022*	*207.55990887*	*47.53764996*	*198.52855948*	*530.17120652*	*8.77472754*	*182.65829048*
RelInt SD	*0.00010830*	*0.00006022*	*0.00002955*	*0.00001884*	*0.00002404*	*0.00001215*	*0.00020673*
Conc Mean	<-0.09026520[mg/l]	<-0.00051887[mg/l]	<-0.00031335[mg/l]	<0.00079125[mg/l]	<0.00100797[mg/l]	0.00182610[mg/l]	<-0.00104023[mg/l]
Conc RSD	*18.10941537*	*98.90955135*	*293.20317087*	*133.34470774*	*161.91156483*	*13.60002190*	*21.28808052*
Conc SD	*0.01634650[mg/l]*	*0.00051321[mg/l]*	*0.00091876[mg/l]*	*0.00105509[mg/l]*	*0.00163202[mg/l]*	*0.00024835[mg/l]*	*0.00022144[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	83769.5000000	5489.92000000	20203.5000000	2658070	43771600	1405430	8295.25000000
Int RSD	*0.62024364*	*0.26014222*	*0.48852476*	*0.75222624*	*0.38430169*	*0.86058359*	*0.22694916*
Int SD	*519.57500000*	*14.28160000*	*98.69910000*	*19994.7000000*	*168215*	*12094.9000000*	*18.82600000*
RelInt Mean	0.00008258	-0.00009633	0.00004049	---	---	---	0.00037544
RelInt RSD	*23.62605560*	*20.61954766*	*6.63926611*	---	---	---	*6.07601174*
RelInt SD	*0.00001951*	*0.00001986*	*0.00000269*	---	---	---	*0.00002281*
Conc Mean	0.00074528[mg/l]	<-0.00483940[mg/l]	<-0.00117682[mg/l]	2643810	43666400	1384220	<-0.00129850[mg/l]
Conc RSD	*24.61977531*	*33.39132950*	*38.75834877*	---	---	---	*5.88294956*
Conc SD	*0.00018349[mg/l]*	*0.00161594[mg/l]*	*0.00045612[mg/l]*	*19967.8000000*	*168287*	*12179.8000000*	*0.00007639[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9598.87000000	24567.1000000	14779.6000000	6014.08000000	10968.1000000	7277.73000000	
Int RSD	*1.45042073*	*1.63912305*	*0.98036483*	*0.95707407*	*1.14372590*	*0.47848986*	
Int SD	*139.22400000*	*402.68500000*	*144.89400000*	*57.55920000*	*125.44500000*	*34.82320000*	
RelInt Mean	-0.00017603	0.00020163	0.00131977	0.00021422	0.00011201	0.00025848	
RelInt RSD	*58.20930285*	*115.40369097*	*5.82589391*	*5.36263613*	*47.11991215*	*6.24203501*	
RelInt SD	*0.00010247*	*0.00023269*	*0.00007689*	*0.00001149*	*0.00005278*	*0.00001613*	
Conc Mean	<-0.00018831[mg/l]	<0.00096393[mg/l]	<0.00224009[mg/l]	<0.00324053[mg/l]	<0.00016402[mg/l]	0.02296590[mg/l]	
Conc RSD	*146.39555199*	*601.29863932*	*64.85766197*	*12.35822535*	*133.00938317*	*6.11850613*	
Conc SD	*0.00027568[mg/l]*	*0.00579611[mg/l]*	*0.00145287[mg/l]*	*0.00040047[mg/l]*	*0.00021816[mg/l]*	*0.00140517[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 492059 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET06	Inst:	MET06
Seqnum:	483369139159.1	Seqnum:	483369139160.1
File:	met06_master011	File:	met06_master011
IDF:	1.0	IDF:	1.0
Lab ID:	QC1093250	Lab ID:	QC1093251
Matrix:	Wipe	Matrix:	Wipe
Batch:	322285	Batch:	322285
Time:	13-SEP-2023 20:36	Time:	13-SEP-2023 20:39
Cal:	483369139001	Cal:	483369139001
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	1.008	50.40	A	101	0.9798	48.99	A	98	80-120	3	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	2458930	2628750	6.91

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	2458930	2624040	6.71

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BS,QC1093250,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 20:36:06	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	524145	33668.7000000	41903.7000000	161317	766254	49169.8000000	459239
Int RSD	*1.28582358*	*0.58340833*	*0.83738190*	*0.22438801*	*0.12705904*	*0.46304236*	*0.08514913*
Int SD	*6739.58000000*	*196.42600000*	*350.89400000*	*361.97600000*	*973.59500000*	*227.67700000*	*391.03800000*
RelInt Mean	0.01042280	0.00905767	0.01384540	0.05753190	0.28861300	0.02795710	0.17133700
RelInt RSD	*1.21286027*	*2.07348027*	*1.92714548*	*1.12087729*	*0.83023634*	*1.17319393*	*0.86457099*
RelInt SD	*0.00012641*	*0.00018781*	*0.00026682*	*0.00064486*	*0.00239617*	*0.00032799*	*0.00148133*
Conc Mean	0.42748600[mg/l]	1.02225000[mg/l]	0.84050400[mg/l]	0.79098400[mg/l]	0.96888700[mg/l]	1.05022000[mg/l]	1.00149000[mg/l]
Conc RSD	*1.21760947*	*2.10178528*	*1.92332220*	*1.14070449*	*0.83053029*	*1.37868256*	*0.86293123*
Conc SD	*0.00520511[mg/l]*	*0.02148550[mg/l]*	*0.01616560[mg/l]*	*0.00902279[mg/l]*	*0.00804690[mg/l]*	*0.01447920[mg/l]*	*0.00864217[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	374042	1199310	744440	16600.9000000	27784.4000000	3510340	303630
Int RSD	*0.15128916*	*2.43678448*	*2.25225673*	*1.25849803*	*0.71829876*	*0.74776233*	*0.16678820*
Int SD	*565.88500000*	*29224.6000000*	*16766.7000000*	*208.92200000*	*199.57500000*	*26249.0000000*	*506.41900000*
RelInt Mean	0.13880600	0.02626090	0.27939300	0.00684285	0.00347918	1.33738000	0.11333600
RelInt RSD	*0.81383370*	*2.50848981*	*2.83497797*	*1.42463301*	*1.99169632*	*0.21647325*	*0.80454489*
RelInt SD	*0.00112965*	*0.00065875*	*0.00792073*	*0.00009749*	*0.00006929*	*0.00289507*	*0.00091184*
Conc Mean	0.96389100[mg/l]	0.91362000[mg/l]	1.01063000[mg/l]	9.93519000[mg/l]	1.00168000[mg/l]	0.97531700[mg/l]	0.92218500[mg/l]
Conc RSD	*0.81439188*	*2.52190188*	*2.84370145*	*1.53179758*	*2.31103746*	*0.21650089*	*0.80459127*
Conc SD	*0.00784985[mg/l]*	*0.02304060[mg/l]*	*0.02873930[mg/l]*	*0.15218700[mg/l]*	*0.02314920[mg/l]*	*0.00211157[mg/l]*	*0.00741982[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	34814.9000000	312362	96800.8000000	47177.1000000	34314.1000000	6055.29000000	1330120
Int RSD	*0.44556210*	*0.11907242*	*0.32263576*	*0.80783897*	*0.44032045*	*1.14085205*	*1.02029140*
Int SD	*155.12200000*	*371.93700000*	*312.31400000*	*381.11500000*	*151.09200000*	*69.08190000*	*13571.1000000*
RelInt Mean	0.00691983	0.11490100	0.03247170	0.01502950	0.01072060	0.00020833	0.95459500
RelInt RSD	*2.47404922*	*0.88141966*	*1.27898755*	*1.86133271*	*1.39212358*	*13.18550342*	*0.18521572*
RelInt SD	*0.00017120*	*0.00101276*	*0.00041531*	*0.00027975*	*0.00014924*	*0.00002747*	*0.00176806*
Conc Mean	0.95753100[mg/l]	0.97839300[mg/l]	1.00791000[mg/l]	0.83728700[mg/l]	0.72851400[mg/l]	0.00325424[mg/l]	1.02138000[mg/l]
Conc RSD	*2.69855493*	*0.88210463*	*1.27748509*	*1.86556103*	*1.39068021*	*17.25413614*	*0.18538056*
Conc SD	*0.02583950[mg/l]*	*0.00863045[mg/l]*	*0.01287590[mg/l]*	*0.01562010[mg/l]*	*0.01013130[mg/l]*	*0.00056149[mg/l]*	*0.00189344[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	4480610	37438.1000000	257775	2628750	43135900	1393090	772288
Int RSD	*2.86367258*	*0.51530393*	*1.67020852*	*0.93623966*	*0.19509365*	*0.87107079*	*0.11738160*
Int SD	*128310*	*192.92000000*	*4305.38000000*	*24611.4000000*	*84155.4000000*	*12134.8000000*	*906.52400000*
RelInt Mean	0.10208400	0.01210670	0.00554831	---	---	---	0.29246400
RelInt RSD	*2.87400572*	*1.58912007*	*1.66307038*	---	---	---	*0.95226079*
RelInt SD	*0.00293390*	*0.00019239*	*0.00009227*	---	---	---	*0.00278502*
Conc Mean	0.95999800[mg/l]	0.98268900[mg/l]	0.93313700[mg/l]	2614390	43030200	1371990	0.97585100[mg/l]
Conc RSD	*2.87420390*	*1.58585270*	*1.67782437*	---	---	---	*0.95464881*
Conc SD	*0.02759230[mg/l]*	*0.01558400[mg/l]*	*0.01565640[mg/l]*	*24565.6000000*	*83657.5000000*	*12076.9000000*	*0.00931595[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	490155	80804.3000000	647120	6471.23000000	556449	7398.05000000	
Int RSD	*1.28205364*	*0.15557835*	*0.19554797*	*0.80147514*	*0.45778499*	*0.68404782*	
Int SD	*6284.05000000*	*125.71400000*	*1265.43000000*	*51.86530000*	*2547.34000000*	*50.60620000*	
RelInt Mean	0.34954500	0.04096530	0.24291800	0.00033051	0.20837700	0.00023109	
RelInt RSD	*1.98790714*	*1.06182061*	*0.91510304*	*5.11201007*	*0.81070848*	*8.56685390*	
RelInt SD	*0.00694863*	*0.00043498*	*0.00222295*	*0.00001690*	*0.00168933*	*0.00001980*	
Conc Mean	0.94069900[mg/l]	1.01637000[mg/l]	4.53520000[mg/l]	0.00729413[mg/l]	0.86420200[mg/l]	0.02058040[mg/l]	
Conc RSD	*1.98727755*	*1.06611765*	*0.92032325*	*8.07467100*	*0.80880396*	*8.37772832*	
Conc SD	*0.01869430[mg/l]*	*0.01083570[mg/l]*	*0.04173850[mg/l]*	*0.00058898[mg/l]*	*0.00698970[mg/l]*	*0.00172417[mg/l]*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BSD,QC1093251,322285			Sample Type: Unknown Sample
Measure Date: 2023-09-13 20:39:20	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	510441	33447.7000000	40836.3000000	158274	746409	48369.9000000	447236
Int RSD	*1.57264209*	*0.41720058*	*0.66730825*	*0.47576418*	*0.43163735*	*0.09196112*	*0.27338586*
Int SD	*8027.41000000*	*139.54400000*	*272.50400000*	*753.01100000*	*3221.78000000*	*44.48150000*	*1222.68000000*
RelInt Mean	0.01008880	0.00887208	0.01344960	0.05645280	0.28152400	0.02735440	0.16704000
RelInt RSD	*0.68780826*	*3.32132938*	*0.30020149*	*0.79672753*	*0.54553431*	*1.28880546*	*0.47408824*
RelInt SD	*0.00006939*	*0.00029467*	*0.00004038*	*0.00044977*	*0.00153581*	*0.00035255*	*0.00079192*
Conc Mean	0.41373400[mg/l]	1.00102000[mg/l]	0.81653500[mg/l]	0.77588500[mg/l]	0.94507200[mg/l]	1.02362000[mg/l]	0.97636400[mg/l]
Conc RSD	*0.69045570*	*3.36718547*	*0.29987692*	*0.81107767*	*0.54550341*	*1.52005627*	*0.47423092*
Conc SD	*0.00285665[mg/l]*	*0.03370620[mg/l]*	*0.00244860[mg/l]*	*0.00629303[mg/l]*	*0.00515540[mg/l]*	*0.01555960[mg/l]*	*0.00463022[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	365251	1176960	718650	16410.0000000	27751.8000000	3432670	296596
Int RSD	*0.33332147*	*1.97068719*	*0.28675990*	*0.58610238*	*0.88894774*	*0.38194758*	*0.39738904*
Int SD	*1217.46000000*	*23194.2000000*	*2060.80000000*	*96.17940000*	*246.69900000*	*13111.0000000*	*1178.64000000*
RelInt Mean	0.13571800	0.02569830	0.26998100	0.00672319	0.00341608	1.31002000	0.11082700
RelInt RSD	*0.41524927*	*1.13797022*	*0.48960853*	*1.66038741*	*4.75425049*	*0.38606128*	*0.58916600*
RelInt SD	*0.00056357*	*0.00029244*	*0.00132185*	*0.00011163*	*0.00016241*	*0.00505748*	*0.00065295*
Conc Mean	0.94243600[mg/l]	0.89394500[mg/l]	0.97647900[mg/l]	9.74839000[mg/l]	0.98059500[mg/l]	0.95535600[mg/l]	0.90175900[mg/l]
Conc RSD	*0.41559639*	*1.14424265*	*0.49126402*	*1.78770033*	*5.53246753*	*0.38621414*	*0.58921619*
Conc SD	*0.00391673[mg/l]*	*0.01022890[mg/l]*	*0.00479709[mg/l]*	*0.17427200[mg/l]*	*0.05425110[mg/l]*	*0.00368972[mg/l]*	*0.00531331[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	64289.2000000	304273	94257.4000000	46406.8000000	33419.2000000	6172.63000000	1297880
Int RSD	*80.09432377*	*0.11069730*	*0.19470195*	*0.77018023*	*0.46788672*	*0.82805222*	*1.16818966*
Int SD	*51492.0000000*	*336.82200000*	*183.52100000*	*357.41600000*	*156.36400000*	*51.11260000*	*15161.7000000*
RelInt Mean	0.02854100	0.11202400	0.03156600	0.01473860	0.01038510	0.00024533	0.93167000
RelInt RSD	*131.51851722*	*0.47314147*	*0.23207597*	*0.47285495*	*0.54052633*	*5.89195821*	*0.17982655*
RelInt SD	*0.03753670*	*0.00053003*	*0.00007326*	*0.00006969*	*0.00005613*	*0.00001445*	*0.00167539*
Conc Mean	4.22086000[mg/l]	0.95387800[mg/l]	0.97983900[mg/l]	0.82112600[mg/l]	0.70573700[mg/l]	0.00401069[mg/l]	0.99682100[mg/l]
Conc RSD	*134.22643727*	*0.47367693*	*0.23097570*	*0.47478463*	*0.53992776*	*7.36728593*	*0.18003634*
Conc SD	*5.66551000[mg/l]*	*0.00451830[mg/l]*	*0.00226319[mg/l]*	*0.00389858[mg/l]*	*0.00381047[mg/l]*	*0.00029548[mg/l]*	*0.00179464[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	4409980	36538.5000000	251347	2624040	43216300	1392300	751887
Int RSD	*2.40445535*	*0.12422130*	*2.18193971*	*0.41788997*	*1.03062502*	*1.29800330*	*0.35039175*
Int SD	*106036*	*45.38860000*	*5484.24000000*	*10965.6000000*	*445398*	*18072.1000000*	*2634.55000000*
RelInt Mean	0.10025700	0.01179220	0.00539307	---	---	---	0.28513500
RelInt RSD	*1.61136878*	*0.31138804*	*1.35364273*	---	---	---	*0.48363056*
RelInt SD	*0.00161551*	*0.00003672*	*0.00007300*	---	---	---	*0.00137900*
Conc Mean	0.94280800[mg/l]	0.95721100[mg/l]	0.90680200[mg/l]	2609690	43110500	1371120	0.95132800[mg/l]
Conc RSD	*1.61152642*	*0.31059505*	*1.36618578*	---	---	---	*0.48499256*
Conc SD	*0.01519360[mg/l]*	*0.00297305[mg/l]*	*0.01238860[mg/l]*	*10921.6000000*	*445353*	*18036.6000000*	*0.00461387[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	477296	78744.3000000	651089	6410.49000000	540463	7533.87000000	
Int RSD	*0.92797132*	*0.29520105*	*0.38021376*	*0.81003948*	*0.56350944*	*0.13495455*	
Int SD	*4429.17000000*	*232.45400000*	*2475.53000000*	*51.92750000*	*3045.56000000*	*10.16730000*	
RelInt Mean	0.34040000	0.03950610	0.24488700	0.00030418	0.20263800	0.00028322	
RelInt RSD	*1.74035253*	*1.86605613*	*0.66196246*	*8.15191055*	*0.70555375*	*2.12712553*	
RelInt SD	*0.00592416*	*0.00073721*	*0.00162106*	*0.00002480*	*0.00142972*	*0.00000602*	
Conc Mean	0.91609700[mg/l]	0.98002600[mg/l]	4.57278000[mg/l]	0.00637640[mg/l]	0.84039500[mg/l]	0.02512130[mg/l]	
Conc RSD	*1.73978301*	*1.87377682*	*0.66555793*	*13.55633273*	*0.70890117*	*2.08846278*	
Conc SD	*0.01593810[mg/l]*	*0.01836350[mg/l]*	*0.03043450[mg/l]*	*0.00086441[mg/l]*	*0.00595757[mg/l]*	*0.00052465[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 492059 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	483369139001	Date:	13-SEP-2023 08:19
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483369139002	L1	13-SEP-2023 08:23	S18961, S14463 (100X)
L2	met06_master011	483369139003	L2	13-SEP-2023 08:26	S18960, S14463 (100X)
L3	met06_master011	483369139004	L3	13-SEP-2023 08:29	S18959, S14463 (100X)
L4	met06_master011	483369139005	L4	13-SEP-2023 08:32	S18958, S14463 (100X)
L5	met06_master011	483369139006	L5	13-SEP-2023 08:36	S18957, S14463 (100X)
L6	met06_master011	483369139007	L6	13-SEP-2023 08:39	S18729, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00164	30.9995		0.0288	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	0.0119	0.0275	0.0351	0.0337	0.0327	0.0321

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-14	0.0100	2	0.1000	11	1.0000	5	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06		
Calnum:	483369139001	Cal Date:	13-SEP-2023

- ICV 483369139010 (13-SEP-2023) stds: S18956, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.002	mg/l	0	10	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2023-09-13 08:19:51	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	64870.4000000	20597.3000000	4762.12000000	11748.8000000	10022.8000000	16090.5000000	9359.62000000
Int RSD	*0.47384477*	*0.70542256*	*0.45701284*	*0.16757371*	*0.27643672*	*0.38525776*	*0.37032273*
Int SD	*307.38500000*	*145.29800000*	*21.76350000*	*19.68790000*	*27.70670000*	*61.98990000*	*34.66080000*
RelInt Mean	0.00003932	0.00011950	-0.00003547	0.00099478	0.00007742	0.00414780	-0.00001083
RelInt RSD	*11.68440460*	*21.67126933*	*69.33427303*	*2.68572606*	*28.11302769*	*1.09749988*	*201.23500092*
RelInt SD	*0.00000459*	*0.00002590*	*0.00002459*	*0.00002672*	*0.00002176*	*0.00004552*	*0.00002180*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9246.02000000	62167.4000000	13972.0000000	7189.10000000	22674.9000000	12596.5000000	6096.96000000
Int RSD	*0.58231109*	*0.21792129*	*0.27652090*	*2.72794926*	*0.40916388*	*1.27764855*	*0.78542585*
Int SD	*53.84060000*	*135.47600000*	*38.63550000*	*196.11500000*	*92.77750000*	*160.93900000*	*47.88710000*
RelInt Mean	0.00004088	0.00014011	0.00081344	0.00047721	0.00047689	0.00047187	0.00000551
RelInt RSD	*22.45350732*	*4.91902077*	*6.20632723*	*21.33204249*	*21.31761489*	*9.06434372*	*351.82977828*
RelInt SD	*0.00000918*	*0.00000689*	*0.00005048*	*0.00010180*	*0.00010166*	*0.00004277*	*0.00001939*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	24270.1000000	10230.2000000	9825.07000000	6631.72000000	5215.22000000	4794.64000000	19601.5000000
Int RSD	*1.12259529*	*0.92615198*	*1.21549261*	*1.18547526*	*0.47957900*	*0.77502378*	*1.49878326*
Int SD	*272.45500000*	*94.74720000*	*119.42300000*	*78.61740000*	*25.01110000*	*37.15960000*	*293.78400000*
RelInt Mean	0.00055102	0.00007725	-0.00005574	-0.00002362	-0.00001312	0.00004809	0.00020579
RelInt RSD	*11.74583269*	*31.87428968*	*36.10868933*	*78.79830979*	*100.05716420*	*24.12448611*	*68.13110452*
RelInt SD	*0.00006472*	*0.00002462*	*0.00002013*	*0.00001861*	*0.00001313*	*0.00001160*	*0.00014021*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	68600.7000000	4649.30000000	17420.9000000	2458930	42243600	1402170	7611.30000000
Int RSD	*0.46442966*	*0.84833846*	*1.09364614*	*0.46031404*	*0.52460491*	*0.89022729*	*0.30590044*
Int SD	*318.60200000*	*39.44180000*	*190.52300000*	*11318.8000000*	*221612*	*12482.5000000*	*23.28300000*
RelInt Mean	0.00000165	-0.00004388	0.00004747	---	---	---	0.00053179
RelInt RSD	*233.74475124*	*19.58233926*	*6.48656221*	---	---	---	*2.46311051*
RelInt SD	*0.00000386*	*0.00000859*	*0.00000308*	---	---	---	*0.00001310*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9175.35000000	22905.1000000	12738.7000000	5342.94000000	9560.81000000	6238.66000000	
Int RSD	*1.23133177*	*0.17134219*	*0.80652657*	*1.93464647*	*0.66950394*	*0.27839312*	
Int SD	*112.97900000*	*39.24610000*	*102.74100000*	*103.36700000*	*64.01000000*	*17.36800000*	
RelInt Mean	-0.00012625	0.00015927	0.00120068	0.00012127	0.00007549	-0.00000522	
RelInt RSD	*57.63413436*	*58.23007905*	*1.65245528*	*25.46258195*	*8.53588522*	*42.76243814*	
RelInt SD	*0.00007277*	*0.00009274*	*0.00001984*	*0.00003088*	*0.00000644*	*0.00000223*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L1,S18961			Sample Type: Calibration Sample
Measure Date: 2023-09-13 08:23:07	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	68031.7000000	21046.9000000	5065.34000000	11835.1000000	12859.1000000	17433.0000000	10517.5000000
Int RSD	*0.47310298*	*0.47253752*	*1.09434510*	*0.16252250*	*0.76452707*	*1.98218895*	*0.55847397*
Int SD	*321.86000000*	*99.45450000*	*55.43230000*	*19.23470000*	*98.31130000*	*345.55500000*	*58.73750000*
RelInt Mean	0.00005113	0.00018951	0.00002741	0.00087668	0.00107539	0.00509613	0.00030171
RelInt RSD	*15.84437912*	*77.61008944*	*53.20188958*	*1.24424678*	*2.97415821*	*5.40133395*	*6.92631237*
RelInt SD	*0.00000810*	*0.00014708*	*0.00001458*	*0.00001091*	*0.00003198*	*0.00027526*	*0.00002090*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10885.6000000	68684.9000000	20074.2000000	7485.98000000	23526.5000000	25563.0000000	7408.25000000
Int RSD	*0.46779874*	*0.72778442*	*0.30839685*	*0.91224395*	*1.49848044*	*0.64407151*	*0.40215435*
Int SD	*50.92270000*	*499.87800000*	*61.90820000*	*68.29040000*	*352.54000000*	*164.64400000*	*29.79260000*
RelInt Mean	0.00054704	0.00023376	0.00317378	0.00057007	0.00080347	0.00563483	0.00043502
RelInt RSD	*4.24999726*	*0.88462904*	*1.71441940*	*9.32490391*	*21.06871312*	*0.82967365*	*1.78601444*
RelInt SD	*0.00002325*	*0.00000207*	*0.00005441*	*0.00005316*	*0.00016928*	*0.00004675*	*0.00000777*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	25067.3000000	11498.1000000	10445.0000000	7324.06000000	5801.50000000	5389.22000000	44304.6000000
Int RSD	*1.09792040*	*0.27406180*	*0.27449210*	*0.16739076*	*0.01141331*	*0.61533394*	*1.32281072*
Int SD	*275.21900000*	*31.51190000*	*28.67070000*	*12.25980000*	*0.66214300*	*33.16170000*	*586.06600000*
RelInt Mean	0.00077961	0.00042767	0.00003964	0.00014412	0.00014158	0.00022022	0.01814330
RelInt RSD	*14.62509861*	*7.88871898*	*43.99364206*	*12.76721530*	*13.55697445*	*1.98569612*	*1.65311162*
RelInt SD	*0.00011402*	*0.00003374*	*0.00001744*	*0.00001840*	*0.00001919*	*0.00000437*	*0.00029993*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	86753.8000000	5170.65000000	18769.8000000	2441550	41098800	1375860	15443.0000000
Int RSD	*0.64282833*	*0.84222873*	*1.04334090*	*0.40251316*	*0.47685821*	*0.94879566*	*0.84255002*
Int SD	*557.67800000*	*43.54870000*	*195.83300000*	*9827.56000000*	*195983*	*13054.1000000*	*130.11500000*
RelInt Mean	0.00036097	0.00010144	0.00006105	---	---	---	0.00365350
RelInt RSD	*0.18676750*	*7.73046136*	*4.66161152*	---	---	---	*1.88942384*
RelInt SD	*0.00000067*	*0.00000784*	*0.00000285*	---	---	---	*0.00006903*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9909.88000000	23304.6000000	11365.9000000	5499.97000000	10958.6000000	6385.28000000	
Int RSD	*1.00759949*	*0.22090403*	*1.22055447*	*0.78508792*	*0.51783987*	*0.76595858*	
Int SD	*99.85190000*	*51.48080000*	*138.72700000*	*43.17960000*	*56.74800000*	*48.90860000*	
RelInt Mean	0.00027380	0.00017863	0.00045573	0.00010576	0.00047908	-0.00002879	
RelInt RSD	*26.94033258*	*71.48615286*	*5.59739844*	*22.91466125*	*1.01343823*	*44.75239270*	
RelInt SD	*0.00007376*	*0.00012770*	*0.00002551*	*0.00002423*	*0.00000486*	*0.00001288*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L2,S18960			Sample Type: Calibration Sample
Measure Date: 2023-09-13 08:26:25	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	69507.3000000	20929.3000000	5365.60000000	12821.2000000	18305.7000000	19094.8000000	12331.1000000
Int RSD	*0.13625921*	*0.71048721*	*0.39208476*	*1.27800050*	*0.85831189*	*2.20882649*	*0.42738847*
Int SD	*94.71010000*	*148.70000000*	*21.03770000*	*163.85500000*	*157.12000000*	*421.77100000*	*52.70170000*
RelInt Mean	0.00004387	0.00046761	0.00010677	0.00123396	0.00329410	0.00660937	0.00099742
RelInt RSD	*6.25951971*	*28.38757691*	*22.20276282*	*5.79233525*	*1.33170517*	*2.80612222*	*2.95891287*
RelInt SD	*0.00000275*	*0.00013274*	*0.00002371*	*0.00007148*	*0.00004387*	*0.00018547*	*0.00002951*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	13340.1000000	77422.3000000	29383.0000000	7394.64000000	23140.5000000	48909.7000000	9605.17000000
Int RSD	*0.35802355*	*0.28120580*	*0.61709492*	*1.69363214*	*0.81862103*	*0.25949454*	*0.35920135*
Int SD	*47.76070000*	*217.71600000*	*181.32100000*	*125.23800000*	*189.43300000*	*126.91800000*	*34.50190000*
RelInt Mean	0.00152123	0.00042023	0.00697562	0.00066553	0.00081813	0.01535650	0.00131618
RelInt RSD	*1.69347173*	*1.08559340*	*1.44586431*	*14.70972095*	*18.97527037*	*0.55517924*	*1.21054111*
RelInt SD	*0.00002576*	*0.00000456*	*0.00010086*	*0.00009790*	*0.00015524*	*0.00008526*	*0.00001593*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	25943.5000000	13762.0000000	11143.0000000	8327.99000000	6623.52000000	6224.93000000	90878.9000000
Int RSD	*1.91252144*	*0.98024270*	*0.53549583*	*0.16466518*	*0.93538934*	*0.58479372*	*0.87029332*
Int SD	*496.17500000*	*134.90100000*	*59.67030000*	*13.71330000*	*61.95570000*	*36.40300000*	*790.91300000*
RelInt Mean	0.00177717	0.00131347	0.00027486	0.00052798	0.00045455	0.00053298	0.05328470
RelInt RSD	*5.89673470*	*3.33897234*	*12.45519505*	*1.55534974*	*8.06108486*	*3.26242439*	*1.10567011*
RelInt SD	*0.00010480*	*0.00004386*	*0.00003423*	*0.00000821*	*0.00003664*	*0.00001739*	*0.00058915*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	116340	5921.10000000	19762.4000000	2415360	40846900	1363740	31315.3000000
Int RSD	*0.71671910*	*0.09610883*	*0.27893373*	*0.66259274*	*0.18788476*	*0.86072858*	*0.68045332*
Int SD	*833.83100000*	*5.69070000*	*55.12400000*	*16004.0000000*	*76745.1000000*	*11738.1000000*	*213.08600000*
RelInt Mean	0.00104761	0.00038708	0.00007504	---	---	---	0.01025750
RelInt RSD	*2.14447170*	*1.97540586*	*2.40342947*	---	---	---	*1.36341214*
RelInt SD	*0.00002247*	*0.00000765*	*0.00000180*	---	---	---	*0.00013985*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	10744.2000000	23413.8000000	11567.1000000	5616.96000000	13041.0000000	6478.65000000	
Int RSD	*3.61053406*	*0.70570775*	*1.18228424*	*0.72192075*	*0.50153516*	*0.36756269*	
Int SD	*387.92300000*	*165.23300000*	*136.75600000*	*40.55000000*	*65.40520000*	*23.81310000*	
RelInt Mean	0.00109902	0.00051063	0.00049508	0.00012442	0.00129505	-0.00001987	
RelInt RSD	*9.91628906*	*20.36421960*	*13.48369869*	*20.62592426*	*2.40203081*	*61.32197471*	
RelInt SD	*0.00010898*	*0.00010399*	*0.00006676*	*0.00002566*	*0.00003111*	*0.00001219*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L3,S18959			Sample Type: Calibration Sample
Measure Date: 2023-09-13 08:29:41	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	70888.1000000	23724.7000000	9049.69000000	27987.0000000	86590.9000000	48510.1000000	32481.2000000
Int RSD	*0.33164664*	*2.21716186*	*0.17079038*	*0.23328831*	*0.43863385*	*1.71504903*	*0.29773192*
Int SD	*235.09800000*	*526.01500000*	*15.45600000*	*65.29040000*	*379.81700000*	*831.97200000*	*96.70690000*
RelInt Mean	0.00004344	0.00214039	0.00161014	0.00752233	0.03183570	0.02821770	0.00936164
RelInt RSD	*36.51532906*	*2.61181373*	*0.30599016*	*0.63136954*	*0.22174163*	*1.85453811*	*0.47998000*
RelInt SD	*0.00001586*	*0.00005590*	*0.00000493*	*0.00004749*	*0.00007059*	*0.00052331*	*0.00004493*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	47874.9000000	178907	155779	9161.19000000	27457.0000000	370602	36760.2000000
Int RSD	*0.15421547*	*1.02792512*	*0.33548103*	*5.01652078*	*2.12179044*	*0.32894318*	*0.55249427*
Int SD	*73.83050000*	*1839.03000000*	*522.60900000*	*459.57300000*	*582.58000000*	*1219.07000000*	*203.09800000*
RelInt Mean	0.01589860	0.00289088	0.05989890	0.00184007	0.00373099	0.15011500	0.01264900
RelInt RSD	*0.29142566*	*2.12687832*	*0.61266234*	*5.38361041*	*1.97256492*	*0.61257969*	*0.77636098*
RelInt SD	*0.00004633*	*0.00006149*	*0.00036698*	*0.00009906*	*0.00007360*	*0.00091957*	*0.00009820*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	44220.9000000	41797.7000000	19091.3000000	19872.8000000	16084.5000000	16787.6000000	712336
Int RSD	*1.24972581*	*0.09772499*	*0.40623321*	*0.84841089*	*1.11343219*	*0.43322512*	*0.36798084*
Int SD	*552.64000000*	*40.84680000*	*77.55520000*	*168.60300000*	*179.09000000*	*72.72810000*	*2621.26000000*
RelInt Mean	0.01486890	0.01298500	0.00351468	0.00530177	0.00437384	0.00492409	0.51319700
RelInt RSD	*1.69668234*	*0.18253446*	*1.26671276*	*1.06126633*	*1.81521501*	*0.76641166*	*0.97411325*
RelInt SD	*0.00025228*	*0.00002370*	*0.00004452*	*0.00005627*	*0.00007939*	*0.00003774*	*0.00499912*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	503956	14537.7000000	30702.5000000	2399380	40548900	1370350	238707
Int RSD	*1.29513291*	*0.50001101*	*0.49555248*	*0.25991798*	*0.43382435*	*1.32390995*	*0.31268291*
Int SD	*6526.90000000*	*72.69010000*	*152.14700000*	*6236.42000000*	*175911*	*18142.2000000*	*746.39600000*
RelInt Mean	0.01058320	0.00395462	0.00033437	---	---	---	0.09715100
RelInt RSD	*1.84945007*	*0.78003196*	*2.37847036*	---	---	---	*0.55853980*
RelInt SD	*0.00019573*	*0.00003085*	*0.00000795*	---	---	---	*0.00054263*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	25114.0000000	29219.5000000	12119.5000000	5714.56000000	40351.3000000	6524.25000000	
Int RSD	*2.60225770*	*1.71590547*	*0.57248071*	*1.97420274*	*0.54802943*	*0.43748937*	
Int SD	*653.53100000*	*501.37900000*	*69.38180000*	*112.81700000*	*221.13700000*	*28.54290000*	
RelInt Mean	0.01161560	0.00451449	0.00064626	0.00013752	0.01264410	-0.00005276	
RelInt RSD	*2.30275664*	*2.46807502*	*4.28826080*	*31.15861196*	*0.35878789*	*20.96971673*	
RelInt SD	*0.00026748*	*0.00011142*	*0.00002771*	*0.00004285*	*0.00004537*	*0.00001106*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L4,S18958			Sample Type: Calibration Sample
Measure Date: 2023-09-13 08:32:57	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72138.3000000	46244.0000000	43628.8000000	172895	726683	316702	216201
Int RSD	*0.10695082*	*0.24012412*	*0.59051590*	*0.36404812*	*0.24010332*	*0.64672784*	*0.28382847*
Int SD	*77.15250000*	*111.04300000*	*257.63500000*	*629.42100000*	*1744.79000000*	*2048.20000000*	*613.64000000*
RelInt Mean	0.00003420	0.01863970	0.01631760	0.06943670	0.30582900	0.23500600	0.08785860
RelInt RSD	*13.28691859*	*0.59621131*	*0.91722435*	*0.07544915*	*0.14116320*	*0.48290256*	*0.18848468*
RelInt SD	*0.00000454*	*0.00011113*	*0.00014967*	*0.00005239*	*0.00043172*	*0.00113485*	*0.00016560*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	359508	1151200	1347290	24779.9000000	65164.1000000	3345050	295841
Int RSD	*0.29106167*	*1.15265810*	*0.22891657*	*0.60656016*	*0.22419860*	*0.36910659*	*0.46010188*
Int SD	*1046.39000000*	*13269.4000000*	*3084.17000000*	*150.30500000*	*146.09700000*	*12346.8000000*	*1361.17000000*
RelInt Mean	0.14915900	0.02768590	0.56999800	0.01378140	0.03248200	1.42390000	0.12345300
RelInt RSD	*0.23204969*	*0.75045781*	*0.23658680*	*0.66420248*	*0.36045810*	*0.22223190*	*0.16533013*
RelInt SD	*0.00034612*	*0.00020777*	*0.00134854*	*0.00009154*	*0.00011708*	*0.00316436*	*0.00020411*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	207102	298419	90105.3000000	124977	110910	118185	6503980
Int RSD	*0.36106894*	*0.40165003*	*0.31173749*	*0.37391040*	*0.30119917*	*0.40477810*	*0.39275797*
Int SD	*747.78100000*	*1198.60000000*	*280.89200000*	*467.30200000*	*334.06000000*	*478.38700000*	*25544.9000000*
RelInt Mean	0.14012400	0.12266700	0.03366430	0.05018140	0.04487570	0.04824970	4.98234000
RelInt RSD	*0.45211241*	*0.08610955*	*0.15546469*	*0.09178660*	*0.61934187*	*0.10374945*	*0.22075370*
RelInt SD	*0.00063352*	*0.00010563*	*0.00005234*	*0.00004606*	*0.00027793*	*0.00005006*	*0.01099870*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	4211580	95396.3000000	131589	2353420	39299000	1321980	2209820
Int RSD	*1.19798745*	*0.55233484*	*1.68239746*	*0.32704575*	*0.49935876*	*0.22366904*	*0.21979890*
Int SD	*50454.2000000*	*526.90700000*	*2213.85000000*	*7696.76000000*	*196243*	*2956.86000000*	*4857.16000000*
RelInt Mean	0.10531400	0.03852470	0.00290045	---	---	---	0.94111100
RelInt RSD	*0.75425015*	*0.27290284*	*1.40868486*	---	---	---	*0.20008798*
RelInt SD	*0.00079433*	*0.00010514*	*0.00004086*	---	---	---	*0.00188305*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	155149	78170.5000000	14504.7000000	6415.19000000	292296	7056.23000000	
Int RSD	*0.74124229*	*0.31941589*	*0.99964150*	*1.26495240*	*0.21385958*	*0.23816826*	
Int SD	*1150.03000000*	*249.68900000*	*144.99500000*	*81.14910000*	*625.10300000*	*16.80570000*	
RelInt Mean	0.11163100	0.04185730	0.00155702	0.00033547	0.12029800	0.00008562	
RelInt RSD	*0.55356756*	*0.48260399*	*2.74338159*	*10.37499516*	*0.07782025*	*8.22930816*	
RelInt SD	*0.00061795*	*0.00020201*	*0.00004272*	*0.00003481*	*0.00009362*	*0.00000705*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L5,S18957			Sample Type: Calibration Sample
Measure Date: 2023-09-13 08:36:13	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	75646.0000000	139107	194446	858103	3422950	1485610	1045270
Int RSD	*0.51740872*	*0.56349573*	*0.53183403*	*0.41270454*	*0.09497276*	*0.52780003*	*0.16347642*
Int SD	*391.39900000*	*783.86200000*	*1034.13000000*	*3541.43000000*	*3250.87000000*	*7841.05000000*	*1708.77000000*
RelInt Mean	0.00001049	0.08824170	0.08281970	0.37285400	1.50153000	1.15076000	0.45489000
RelInt RSD	*152.83132186*	*1.33609167*	*0.61892279*	*0.67551642*	*0.19046173*	*0.60287288*	*0.41186221*
RelInt SD	*0.00001603*	*0.00117899*	*0.00051259*	*0.00251869*	*0.00285984*	*0.00693762*	*0.00187352*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1654280	5474510	6418620	92436.5000000	219194	16096800	1416240
Int RSD	*0.11680066*	*0.79557440*	*0.13401603*	*0.27803627*	*0.15033897*	*0.07300644*	*0.09243349*
Int SD	*1932.21000000*	*43553.8000000*	*8601.98000000*	*257.00700000*	*329.53400000*	*11751.7000000*	*1309.08000000*
RelInt Mean	0.72269100	0.14320600	2.81932000	0.06674690	0.15279200	7.08029000	0.61991700
RelInt RSD	*0.27434408*	*0.56015809*	*0.27699126*	*0.34700039*	*0.72998586*	*0.27405657*	*0.17542510*
RelInt SD	*0.00198266*	*0.00080218*	*0.00780927*	*0.00023161*	*0.00111536*	*0.01940400*	*0.00108749*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	925001	1377850	384004	622078	519991	569670	31417000
Int RSD	*0.29682346*	*0.73692347*	*0.10635358*	*0.42110475*	*0.38964905*	*0.17534678*	*0.79557883*
Int SD	*2745.62000000*	*10153.7000000*	*408.40200000*	*2619.60000000*	*2026.14000000*	*998.89800000*	*249947*
RelInt Mean	0.70157100	0.60090200	0.16349100	0.26987000	0.22597700	0.24811300	24.51040000
RelInt RSD	*0.75760116*	*0.48794313*	*0.36359249*	*0.69730611*	*0.60257460*	*0.41343259*	*0.43514590*
RelInt SD	*0.00531511*	*0.00293206*	*0.00059444*	*0.00188182*	*0.00136168*	*0.00102578*	*0.10665600*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	20331600	442909	579947	2285650	37746300	1301520	11152700
Int RSD	*1.31000020*	*0.11840717*	*1.41143070*	*0.26679150*	*0.53755997*	*0.50893033*	*0.14947950*
Int SD	*266344*	*524.43600000*	*8185.55000000*	*6097.92000000*	*202909*	*6623.83000000*	*16671.0000000*
RelInt Mean	0.53709600	0.19202600	0.01486620	---	---	---	4.90563000
RelInt RSD	*1.39033432*	*0.37964599*	*1.53315575*	---	---	---	*0.35025675*
RelInt SD	*0.00746743*	*0.00072902*	*0.00022792*	---	---	---	*0.01718230*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	761243	287717	26378.8000000	9160.03000000	1374610	9027.21000000	
Int RSD	*0.16942290*	*0.49955338*	*0.26431225*	*0.45561969*	*0.24661322*	*0.27095526*	
Int SD	*1289.72000000*	*1437.30000000*	*69.72240000*	*41.73490000*	*3389.97000000*	*24.45970000*	
RelInt Mean	0.58571000	0.20523700	0.00652715	0.00119726	0.59944400	0.00065274	
RelInt RSD	*0.62827850*	*1.06819920*	*0.77191117*	*2.10093881*	*0.10191477*	*1.42759007*	
RelInt SD	*0.00367989*	*0.00219234*	*0.00005038*	*0.00002515*	*0.00061092*	*0.00000932*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L6,S18729			Sample Type: Calibration Sample
Measure Date: 2023-09-13 08:39:30	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	79870.1000000	248302	372101	1581680	6566720	2847150	1871620
Int RSD	*0.56013076*	*0.69452924*	*0.17701941*	*0.39123021*	*0.34878905*	*0.38194686*	*0.39562571*
Int SD	*447.37700000*	*1724.53000000*	*658.69100000*	*6188.01000000*	*22904.0000000*	*10874.6000000*	*7404.61000000*
RelInt Mean	-0.00002385	0.17449200	0.16477800	0.70841600	2.95762000	2.26269000	0.83858400
RelInt RSD	*57.04847662*	*0.70612979*	*0.38487662*	*0.38876310*	*0.42755324*	*0.44702986*	*0.47086994*
RelInt SD	*0.00001361*	*0.00123214*	*0.00063419*	*0.00275406*	*0.01264540*	*0.01011490*	*0.00394864*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3200560	10523800	12155200	166603	397710	30110800	2726080
Int RSD	*0.28958995*	*1.33880347*	*0.28898907*	*0.13340636*	*0.18570390*	*0.39260332*	*0.18755502*
Int SD	*9268.50000000*	*140893*	*35127.2000000*	*222.25900000*	*738.56300000*	*118216*	*5112.90000000*
RelInt Mean	1.43762000	0.28610100	5.47879000	0.12738000	0.29827400	13.58240000	1.22609000
RelInt RSD	*0.35744077*	*1.17522483*	*0.39135101*	*0.19584786*	*0.11894801*	*0.45633614*	*0.27692176*
RelInt SD	*0.00513864*	*0.00336233*	*0.02144130*	*0.00024947*	*0.00035479*	*0.06198140*	*0.00339531*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1661390	2597560	725756	1196030	980561	1087000	57681000
Int RSD	*1.06864132*	*0.30819307*	*0.15535111*	*0.08123659*	*0.17120404*	*0.14397608*	*0.64484146*
Int SD	*17754.3000000*	*8005.50000000*	*1127.47000000*	*971.61400000*	*1678.76000000*	*1565.02000000*	*371951*
RelInt Mean	1.30423000	1.16573000	0.32125800	0.53500500	0.43922500	0.48756900	46.02090000
RelInt RSD	*1.13924691*	*0.40567027*	*0.33993550*	*0.27115261*	*0.36667084*	*0.34723085*	*0.60465354*
RelInt SD	*0.01485840*	*0.00472902*	*0.00109207*	*0.00145068*	*0.00161051*	*0.00169299*	*0.27826700*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	38781100	815834	1096400	2230690	36527200	1273310	19335000
Int RSD	*1.13993414*	*0.18174408*	*1.13216892*	*0.20024880*	*0.41090749*	*0.05708830*	*0.22385984*
Int SD	*442079*	*1482.73000000*	*12413.1000000*	*4466.93000000*	*150093*	*726.91100000*	*43283.3000000*
RelInt Mean	1.06071000	0.36466100	0.02947660	---	---	---	8.72095000
RelInt RSD	*1.11629946*	*0.25032098*	*1.35669989*	---	---	---	*0.29416749*
RelInt SD	*0.01184070*	*0.00091282*	*0.00039991*	---	---	---	*0.02565420*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	1390380	525646	38644.6000000	12177.1000000	2678150	11194.9000000	
Int RSD	*0.48483796*	*0.29046545*	*0.11974972*	*0.74744644*	*0.35169389*	*0.70037160*	
Int SD	*6741.09000000*	*1526.82000000*	*46.27680000*	*91.01730000*	*9418.89000000*	*78.40590000*	
RelInt Mean	1.09988000	0.39921300	0.01183900	0.00222196	1.20152000	0.00135015	
RelInt RSD	*0.55648798*	*0.24733213*	*0.65465158*	*2.53034258*	*0.51414542*	*5.13077066*	
RelInt SD	*0.00612070*	*0.00098738*	*0.00007750*	*0.00005622*	*0.00617756*	*0.00006927*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L7,S18726			Sample Type: Calibration Sample	
Measure Date: 2023-09-13 08:42:47	Recalculation Date:	State: Measured	Quality:	

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	2053340	21285.5000000	5244.14000000	19921.1000000	11200.4000000	16362.2000000	10383.2000000
Int RSD	*0.80156233*	*1.15106058*	*0.24436800*	*7.79500128*	*0.30455966*	*1.55201012*	*0.94880480*
Int SD	*16458.8000000*	*245.00900000*	*12.81500000*	*1552.85000000*	*34.11190000*	*253.94300000*	*98.51630000*
RelInt Mean	0.04861890	0.00023110	-0.00000944	0.00397794	0.00016121	0.00426079	0.00000868
RelInt RSD	*0.96579725*	*42.87368508*	*49.21862832*	*15.48537685*	*4.64367595*	*0.75657096*	*333.93513860*
RelInt SD	*0.00046956*	*0.00009908*	*0.00000465*	*0.00061600*	*0.00000749*	*0.00003224*	*0.00002900*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10196.7000000	69291.7000000	23175.5000000	7641.29000000	23408.0000000	18379.1000000	8266.76000000
Int RSD	*0.66970392*	*0.53256595*	*4.22973830*	*4.03909549*	*1.86737867*	*0.63568945*	*4.33933004*
Int SD	*68.28770000*	*369.02400000*	*980.26300000*	*308.63900000*	*437.11600000*	*116.83400000*	*358.72200000*
RelInt Mean	0.00002665	0.00015538	0.00414797	0.00065301	0.00051001	0.00240810	0.00064292
RelInt RSD	*46.07775814*	*5.32767409*	*8.71218934*	*16.56232868*	*20.11278232*	*0.69398281*	*21.56199109*
RelInt SD	*0.00001228*	*0.00000828*	*0.00036138*	*0.00010815*	*0.00010258*	*0.00001671*	*0.00013863*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	24671.2000000	11255.3000000	10838.3000000	7529.24000000	6016.13000000	5778.45000000	20504.4000000
Int RSD	*1.60078148*	*0.33200981*	*0.19408763*	*1.12210927*	*1.24443953*	*1.90684353*	*1.43315093*
Int SD	*394.93200000*	*37.36870000*	*21.03580000*	*84.48630000*	*74.86710000*	*110.18600000*	*293.85900000*
RelInt Mean	0.00021808	0.00008329	-0.00006610	0.00006148	0.00010709	0.00026792	0.00044272
RelInt RSD	*29.39021259*	*3.61473283*	*54.39331177*	*60.99115217*	*21.32706423*	*16.80108390*	*31.45323046*
RelInt SD	*0.00006409*	*0.00000301*	*0.00003595*	*0.00003750*	*0.00002284*	*0.00004501*	*0.00013925*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	116066	5461.14000000	19513.5000000	2437390	40810000	1358260	10138.3000000
Int RSD	*1.61041132*	*1.23093347*	*0.62775002*	*0.53420257*	*0.57919628*	*1.19914449*	*3.27618042*
Int SD	*1869.14000000*	*67.22300000*	*122.49600000*	*13020.6000000*	*236370*	*16287.5000000*	*332.14900000*
RelInt Mean	0.00096116	0.00012112	0.00004792	---	---	---	0.00132233
RelInt RSD	*5.25972398*	*23.05928684*	*10.65654300*	---	---	---	*9.17826866*
RelInt SD	*0.00005055*	*0.00002793*	*0.00000511*	---	---	---	*0.00012137*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9465.86000000	23619.3000000	12747.2000000	5792.77000000	10724.4000000	6652.70000000	
Int RSD	*3.20842480*	*1.69578269*	*3.29929710*	*0.64407011*	*0.36402316*	*0.44432035*	
Int SD	*303.70500000*	*400.53200000*	*420.56800000*	*37.30950000*	*39.03930000*	*29.55930000*	
RelInt Mean	-0.00014071	0.00013065	0.00078714	0.00012953	0.00015718	-0.00002965	
RelInt RSD	*115.16484610*	*71.93025694*	*19.59094899*	*7.34614345*	*2.22159872*	*45.23536475*	
RelInt SD	*0.00016205*	*0.00009398*	*0.00015421*	*0.00000952*	*0.00000349*	*0.00001341*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L8,S18727			Sample Type: Calibration Sample
Measure Date: 2023-09-13 08:46:03	Recalculation Date:	State: Measured	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73010.6000000	21174.2000000	5232.02000000	14872.8000000	11146.0000000	16143.7000000	10389.1000000
Int RSD	*0.26155928*	*0.68492788*	*0.82209166*	*2.04506213*	*0.18789162*	*1.75775690*	*0.25901666*
Int SD	*190.96600000*	*145.02800000*	*43.01200000*	*304.15800000*	*20.94240000*	*283.76700000*	*26.90950000*
RelInt Mean	0.00004978	0.00015973	-0.00003194	0.00183258	0.00008131	0.00412692	-0.00001647
RelInt RSD	*8.74142915*	*77.36814098*	*47.24488582*	*8.43712144*	*15.95083800*	*4.62785806*	*126.57215712*
RelInt SD	*0.00000435*	*0.00012358*	*0.00001509*	*0.00015462*	*0.00001297*	*0.00019099*	*0.00002085*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10275.8000000	69206.6000000	16993.9000000	7507.27000000	23358.9000000	13736.2000000	7065.47000000
Int RSD	*0.39901224*	*0.31811706*	*0.74309605*	*0.34817583*	*0.56735976*	*0.52368705*	*0.77405183*
Int SD	*41.00170000*	*220.15800000*	*126.28100000*	*26.13850000*	*132.52900000*	*71.93470000*	*54.69040000*
RelInt Mean	0.00005864	0.00014407	0.00155439	0.00050016	0.00045692	0.00040679	0.00013987
RelInt RSD	*25.04356901*	*5.23324888*	*4.47656637*	*11.10338912*	*9.33777762*	*9.69898695*	*22.78574952*
RelInt SD	*0.00001469*	*0.00000754*	*0.00006958*	*0.00005553*	*0.00004267*	*0.00003945*	*0.00003187*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	24641.9000000	11267.0000000	10831.0000000	7460.14000000	5847.57000000	5457.58000000	20360.2000000
Int RSD	*0.70865477*	*0.34657762*	*0.47221032*	*0.46679821*	*0.63149821*	*0.12639540*	*0.35126178*
Int SD	*174.62600000*	*39.04890000*	*51.14510000*	*34.82380000*	*36.92730000*	*6.89813000*	*71.51760000*
RelInt Mean	0.00019533	0.00006660	-0.00009670	0.00001178	0.00003010	0.00012321	0.00034652
RelInt RSD	*54.44180498*	*24.15857462*	*20.71721388*	*83.82375668*	*38.94698726*	*7.43710636*	*25.25914810*
RelInt SD	*0.00010634*	*0.00001609*	*0.00002003*	*0.00000987*	*0.00001172*	*0.00000916*	*0.00008753*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	105756	5308.91000000	19574.9000000	2482590	41699200	1366600	8941.73000000
Int RSD	*0.48105923*	*0.57314213*	*0.28981502*	*0.34169355*	*0.27750892*	*0.21479145*	*1.34353196*
Int SD	*508.74900000*	*30.42760000*	*56.73100000*	*8482.85000000*	*115719*	*2935.34000000*	*120.13500000*
RelInt Mean	0.00068640	0.00004900	0.00004421	---	---	---	0.00079773
RelInt RSD	*1.90220543*	*27.01309514*	*2.13578842*	---	---	---	*7.14929325*
RelInt SD	*0.00001306*	*0.00001324*	*0.00000094*	---	---	---	*0.00005703*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9498.16000000	23799.1000000	1324750	714687	10698.3000000	290378	
Int RSD	*1.31347545*	*0.79484518*	*0.12322099*	*0.31801194*	*0.32343176*	*0.59446997*	
Int SD	*124.75600000*	*189.16600000*	*1632.37000000*	*2272.79000000*	*34.60170000*	*1726.21000000*	
RelInt Mean	-0.00010280	0.00023299	0.53175300	0.28698300	0.00012302	0.11481500	
RelInt RSD	*95.92642310*	*101.84469061*	*0.35051048*	*0.40569999*	*15.04865181*	*0.47927623*	
RelInt SD	*0.00009862*	*0.00023729*	*0.00186385*	*0.00116429*	*0.00001851*	*0.00055028*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICV,S18956 | Sample Type: Control Sample

Measure Date: 2023-09-13 08:49:38 | Recalculation Date: | State: Checked | Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	497455	36904.5000000	42088.4000000	168952	685126	1442830	403946
Int RSD	*1.08197927*	*1.23231313*	*1.00112858*	*0.67302547*	*0.31906540*	*0.54704574*	*0.42728979*
Int SD	*5382.36000000*	*454.77900000*	*421.35900000*	*1137.09000000*	*2186.00000000*	*7892.94000000*	*1726.02000000*
RelInt Mean	0.01113960	0.00882288	0.01587610	0.06894660	0.29375300	1.11597000	0.17127600
RelInt RSD	*1.92801357*	*3.42703290*	*0.78709507*	*0.21240496*	*0.34334288*	*0.34765899*	*0.28228473*
RelInt SD	*0.00021477*	*0.00030236*	*0.00012496*	*0.00014645*	*0.00100858*	*0.00387977*	*0.00048349*
Conc Mean	0.45699400[mg/l]	0.99539300[mg/l]	0.96358500[mg/l]	0.95069000[mg/l]	0.98607400[mg/l]	49.06690000[mg/l]	1.00111000[mg/l]
Conc RSD	*1.93471906*	*3.47450705*	*0.78634890*	*0.21549506*	*0.34354420*	*0.34904182*	*0.28494072*
Conc SD	*0.00884155[mg/l]*	*0.03458500[mg/l]*	*0.00757714[mg/l]*	*0.00204869[mg/l]*	*0.00338760[mg/l]*	*0.17126400[mg/l]*	*0.00285257[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	332318	1088420	642789	55554.9000000	208237	3121360	277268
Int RSD	*0.29147383*	*1.24065159*	*0.37045127*	*0.36994037*	*0.52088726*	*1.11213381*	*0.52818573*
Int SD	*968.62000000*	*13503.5000000*	*2381.22000000*	*205.52000000*	*1084.68000000*	*34713.7000000*	*1464.49000000*
RelInt Mean	0.14011200	0.02679980	0.27422700	0.03798770	0.14425400	1.35518000	0.11780400
RelInt RSD	*0.51617706*	*1.95244741*	*0.31624238*	*0.62012441*	*0.94030668*	*0.44800912*	*0.47128790*
RelInt SD	*0.00072323*	*0.00052325*	*0.00086722*	*0.00023557*	*0.00135643*	*0.00607133*	*0.00055520*
Conc Mean	0.97296400[mg/l]	0.93246900[mg/l]	0.99188700[mg/l]	58.55750000[mg/l]	48.02650000[mg/l]	0.98830700[mg/l]	0.95854100[mg/l]
Conc RSD	*0.51634182*	*1.96257463*	*0.31710467*	*0.62809888*	*0.94359989*	*0.44830503*	*0.47123597*
Conc SD	*0.00502382[mg/l]*	*0.01830040[mg/l]*	*0.00314532[mg/l]*	*0.36779900[mg/l]*	*0.45317800[mg/l]*	*0.00443063[mg/l]*	*0.00451699[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	456721	275777	85562.8000000	47912.3000000	38906.8000000	543473	1249440
Int RSD	*0.27892521*	*0.19599169*	*0.15923626*	*0.47082482*	*0.61234283*	*0.57626966*	*0.31681873*
Int SD	*1273.91000000*	*540.50000000*	*136.24700000*	*225.58300000*	*238.24300000*	*3131.87000000*	*3958.46000000*
RelInt Mean	0.33657700	0.11511200	0.03227730	0.01750490	0.01432660	0.23459400	0.95882100
RelInt RSD	*0.49289167*	*0.49700031*	*0.86348920*	*0.16610492*	*0.18373445*	*0.28251873*	*0.27275790*
RelInt SD	*0.00165896*	*0.00057211*	*0.00027871*	*0.00002908*	*0.00002632*	*0.00066277*	*0.00261526*
Conc Mean	50.71370000[mg/l]	0.98019300[mg/l]	1.00189000[mg/l]	0.97585500[mg/l]	0.97332000[mg/l]	4.79436000[mg/l]	1.02591000[mg/l]
Conc RSD	*0.49366739*	*0.49728982*	*0.86202877*	*0.16383172*	*0.18371964*	*0.28249652*	*0.27291868*
Conc SD	*0.25035700[mg/l]*	*0.00487440[mg/l]*	*0.00863658[mg/l]*	*0.00159876[mg/l]*	*0.00178818[mg/l]*	*0.01354390[mg/l]*	*0.00279990[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	4026160	34442.5000000	231864	2306960	38211200	1303000	718659
Int RSD	*1.02064747*	*0.41300719*	*1.51667788*	*0.66086972*	*0.64985920*	*0.53074827*	*0.23960738*
Int SD	*41092.9000000*	*142.25000000*	*3516.63000000*	*15246.0000000*	*248319*	*6915.65000000*	*1721.96000000*
RelInt Mean	0.10342500	0.01260620	0.00558892	---	---	---	0.31011900
RelInt RSD	*1.66513899*	*0.65623344*	*2.20597182*	---	---	---	*0.45414502*
RelInt SD	*0.00172217*	*0.00008273*	*0.00012329*	---	---	---	*0.00140839*
Conc Mean	0.97260600[mg/l]	1.02319000[mg/l]	0.94001500[mg/l]	2293210	38108200	1282230	1.03494000[mg/l]
Conc RSD	*1.66516554*	*0.65935750*	*2.22587937*	---	---	---	*0.45491333*
Conc SD	*0.01619550[mg/l]*	*0.00674648[mg/l]*	*0.02092360[mg/l]*	*15343.0000000*	*247627*	*6871.16000000*	*0.00470808[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	476251	74479.3000000	678562	357338	551054	150060	
Int RSD	*0.19595423*	*0.22953358*	*0.42389200*	*0.21591658*	*0.28479786*	*0.60256297*	
Int SD	*933.23400000*	*170.95500000*	*2876.37000000*	*771.55200000*	*1569.39000000*	*904.20600000*	
RelInt Mean	0.36339400	0.03980640	0.29071300	0.15317000	0.23528700	0.06231200	
RelInt RSD	*0.74638547*	*1.06717764*	*0.29358852*	*0.49357838*	*0.44478445*	*0.35620426*	
RelInt SD	*0.00271232*	*0.00042481*	*0.00085350*	*0.00075601*	*0.00104652*	*0.00022196*	
Conc Mean	0.97795900[mg/l]	0.98750500[mg/l]	5.43524000[mg/l]	5.33528000[mg/l]	0.97579300[mg/l]	5.42737000[mg/l]	
Conc RSD	*0.74621533*	*1.07156926*	*0.29565576*	*0.49407904*	*0.44818215*	*0.35616883*	
Conc SD	*0.00729768[mg/l]*	*0.01058180[mg/l]*	*0.01606960[mg/l]*	*0.02636050[mg/l]*	*0.00437333[mg/l]*	*0.01933060[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139012	File:	met06_master011	Time:	13-SEP-2023 08:56
Cal:	483369139001	Caldate:	13-SEP-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003334	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	39324700	-6.91
Yttrium	A	2458930	2440150	-0.76
Yttrium	R	1402170	1337110	-4.64

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2023-09-13 08:56:09	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72849.8000000	21183.3000000	5218.63000000	12356.1000000	10957.8000000	16013.5000000	10370.2000000
Int RSD	*0.33515123*	*0.65830631*	*0.26240603*	*0.90721182*	*0.22449123*	*0.42906423*	*0.20521494*
Int SD	*244.15700000*	*139.45100000*	*13.69400000*	*112.09600000*	*24.59930000*	*68.70820000*	*21.28120000*
RelInt Mean	0.00005230	0.00006890	-0.00002866	0.00084017	0.00004926	0.00409582	-0.00000181
RelInt RSD	*4.46056247*	*182.83597795*	*54.91275824*	*4.48255997*	*39.77827312*	*0.32833230*	*637.20791390*
RelInt SD	*0.00000233*	*0.00012598*	*0.00001574*	*0.00003766*	*0.00001959*	*0.00001345*	*0.00001153*
Conc Mean	<0.00053435[mg/l]	<-0.00598327[mg/l]	<0.00041353[mg/l]	<-0.00220080[mg/l]	<-0.00015958[mg/l]	<-0.00283622[mg/l]	<-0.00004108[mg/l]
Conc RSD	*17.97453359*	*240.84823182*	*230.64305509*	*23.94220284*	*41.47808595*	*20.92499877*	*164.56456968*
Conc SD	*0.00009605[mg/l]*	*0.01441060[mg/l]*	*0.00095377[mg/l]*	*0.00052692[mg/l]*	*0.00006619[mg/l]*	*0.00059348[mg/l]*	*0.00006761[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	10106.5000000	69065.6000000	14546.5000000	7539.05000000	23577.6000000	12929.8000000	6768.08000000
Int RSD	*0.07984861*	*0.48525315*	*0.20755783*	*1.40341290*	*1.28689095*	*0.90665749*	*0.57719619*
Int SD	*8.06990000*	*335.14300000*	*30.19240000*	*105.80400000*	*303.41800000*	*117.22900000*	*39.06510000*
RelInt Mean	-0.00001062	0.00014604	0.00057417	0.00051250	0.00067733	0.00013510	0.00002721
RelInt RSD	*80.04059986*	*9.36029910*	*5.20968711*	*18.17352364*	*18.15219670*	*36.86773207*	*23.78914102*
RelInt SD	*0.00000850*	*0.00001367*	*0.00002991*	*0.00009314*	*0.00012295*	*0.00004981*	*0.00000647*
Conc Mean	<-0.00041003[mg/l]	<0.00024232[mg/l]	<-0.00105448[mg/l]	<0.05246240[mg/l]	<0.06573910[mg/l]	<-0.00036937[mg/l]	<0.00014698[mg/l]
Conc RSD	*14.39507455*	*197.29740883*	*10.29303543*	*277.16040440*	*62.47545220*	*9.83859003*	*35.84003483*
Conc SD	*0.00005902[mg/l]*	*0.00047810[mg/l]*	*0.00010854[mg/l]*	*0.14540500[mg/l]*	*0.04107080[mg/l]*	*0.00003634[mg/l]*	*0.00005268[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	24616.8000000	11238.9000000	10769.0000000	7317.31000000	5799.32000000	5289.70000000	20123.1000000
Int RSD	*1.04379123*	*0.25432738*	*0.34929613*	*0.38873985*	*0.76163585*	*0.29246271*	*1.10099339*
Int SD	*256.94800000*	*28.58360000*	*37.61570000*	*28.44530000*	*44.16970000*	*15.47040000*	*221.55400000*
RelInt Mean	0.00015723	0.00007559	-0.00010321	-0.00002330	0.00000848	0.00005568	0.00015911
RelInt RSD	*33.52261380*	*25.43786423*	*48.69261922*	*50.64853125*	*136.30853696*	*12.84759351*	*80.78247753*
RelInt SD	*0.00005271*	*0.00001923*	*0.00005026*	*0.00001180*	*0.00001156*	*0.00000715*	*0.00012853*
Conc Mean	<-0.06316780[mg/l]	<-0.00012198[mg/l]	<-0.00158084[mg/l]	<0.00002042[mg/l]	<0.00127587[mg/l]	<0.00013401[mg/l]	<-0.00099102[mg/l]
Conc RSD	*12.59377404*	*134.33377877*	*98.72725893*	*3234.33544071*	*61.50885278*	*109.11716202*	*13.89280179*
Conc SD	*0.00795521[mg/l]*	*0.00016386[mg/l]*	*0.00156072[mg/l]*	*0.00066046[mg/l]*	*0.00078477[mg/l]*	*0.00014623[mg/l]*	*0.00013768[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	79079.8000000	5219.93000000	19644.2000000	2440150	39324700	1337110	7983.46000000
Int RSD	*0.52745960*	*0.45205012*	*1.40170636*	*0.61296642*	*8.35607137*	*0.96440083*	*0.67760094*
Int SD	*417.11400000*	*23.59670000*	*275.35400000*	*14957.3000000*	*3286000*	*12895.1000000*	*54.09600000*
RelInt Mean	0.00004747	0.00000508	0.00005037	---	---	---	0.00041804
RelInt RSD	*23.16692438*	*194.71285611*	*12.94073506*	---	---	---	*5.16756770*
RelInt SD	*0.00001100*	*0.00000988*	*0.00000652*	---	---	---	*0.00002160*
Conc Mean	0.00041506[mg/l]	0.00340878[mg/l]	<0.00050120[mg/l]	2426670	39224500	1316210	<-0.00115571[mg/l]
Conc RSD	*24.91700035*	*23.58210269*	*220.71604722*	---	---	---	*6.25873273*
Conc SD	*0.00010342[mg/l]*	*0.00080386[mg/l]*	*0.00110622[mg/l]*	*14996.7000000*	*3282830*	*12945.5000000*	*0.00007233[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9460.66000000	23793.5000000	11736.8000000	5895.14000000	10579.4000000	6547.00000000	
Int RSD	*1.41793490*	*0.61636581*	*1.44286347*	*3.05002086*	*0.50524132*	*0.54822209*	
Int SD	*134.14600000*	*146.65500000*	*169.34600000*	*179.80300000*	*53.45150000*	*35.89210000*	
RelInt Mean	-0.00014234	0.00022381	0.00036446	0.00017221	0.00008911	-0.00007931	
RelInt RSD	*50.55422855*	*29.83620254*	*22.98831431*	*40.64754217*	*4.67482886*	*20.36203488*	
RelInt SD	*0.00007196*	*0.00006678*	*0.00008378*	*0.00007000*	*0.00000417*	*0.00001615*	
Conc Mean	<-0.00009767[mg/l]	<0.00151658[mg/l]	<-0.01576460[mg/l]	<0.00177578[mg/l]	<0.00005520[mg/l]	<-0.00645301[mg/l]	
Conc RSD	*198.22093534*	*109.68165214*	*10.02473897*	*137.41060266*	*29.00739436*	*21.79634000*	
Conc SD	*0.00019360[mg/l]*	*0.00166341[mg/l]*	*0.00158036[mg/l]*	*0.00244011[mg/l]*	*0.00001601[mg/l]*	*0.00140652[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139013	File:	met06_master011	Time:	13-SEP-2023 08:59
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18677, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.004082	0.003334	mg/l	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	139.5	mg/l	87	
Aluminum	R	400.0	375.7	mg/l	94	
Calcium	R	400.0	384.5	mg/l	96	
Magnesium	R	400.0	373.3	mg/l	93	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	36427200	-13.77
Yttrium	A	2458930	2131210	-13.33
Yttrium	R	1402170	1251650	-10.73

!=warning +=high bias a=ICSA

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICSA,S18677			Sample Type: Control Sample
Measure Date: 2023-09-13 08:59:24	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	72475.0000000	4096500	13864.5000000	16290.8000000	15713.2000000	10751400	12763.7000000
Int RSD	*1.05966057*	*0.14379177*	*1.10481445*	*0.40596472*	*0.75570858*	*0.18791134*	*0.98905490*
Int SD	*767.98900000*	*5890.43000000*	*153.17700000*	*66.13490000*	*118.74600000*	*20203.1000000*	*126.24000000*
RelInt Mean	0.00001584	3.28484000	0.00003998	0.00121649	0.00131416	8.71727000	0.00022900
RelInt RSD	*63.63642104*	*0.58499349*	*124.08264223*	*3.46253566*	*6.08413740*	*0.50039405*	*19.55790393*
RelInt SD	*0.00001008*	*0.01921610*	*0.00004961*	*0.00004212*	*0.00007996*	*0.04362070*	*0.00004479*
Conc Mean	<-0.00096684[mg/l]	>375.74300000[mg/l]	<0.00457576[mg/l]	0.00306448[mg/l]	0.00410977[mg/l]	>384.53000000[mg/l]	0.00130630[mg/l]
Conc RSD	*42.91720579*	*0.58512600*	*65.72023008*	*19.23128883*	*6.55253214*	*0.50065535*	*20.08428386*
Conc SD	*0.00041494[mg/l]*	*2.19857000[mg/l]*	*0.00300720[mg/l]*	*0.00058934[mg/l]*	*0.00026929[mg/l]*	*1.92517000[mg/l]*	*0.00026236[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	12376.6000000	73120.0000000	81358900	7204.87000000	1404500	28029.7000000	20326.4000000
Int RSD	*0.80761356*	*0.82967040*	*0.25597445*	*1.15138510*	*0.15866572*	*0.58750183*	*0.47418480*
Int SD	*99.95510000*	*606.65500000*	*208258*	*82.95580000*	*2228.46000000*	*164.67500000*	*96.38470000*
RelInt Mean	-0.00029756	0.00020607	38.45220000	0.00072062	1.11789000	0.00437257	-0.00020033
RelInt RSD	*11.19285109*	*5.36097483*	*0.41839739*	*13.06275039*	*0.72903595*	*2.30226160*	*19.41565832*
RelInt SD	*0.00003331*	*0.00001105*	*0.16088300*	*0.00009413*	*0.00814982*	*0.00010067*	*0.00003890*
Conc Mean	<-0.00240328[mg/l]	0.00234190[mg/l]	>139.51900000[mg/l]	<0.37737500[mg/l]	>373.26100000[mg/l]	0.00272240[mg/l]	<-0.00170460[mg/l]
Conc RSD	*9.62659366*	*16.49831334*	*0.41825414*	*38.94190129*	*0.72977622*	*2.69797972*	*18.56764050*
Conc SD	*0.00023135[mg/l]*	*0.00038637[mg/l]*	*0.58354400[mg/l]*	*0.14695700[mg/l]*	*2.72397000[mg/l]*	*0.00007345[mg/l]*	*0.00031650[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	23478.4000000	13154.1000000	29044.5000000	23372.4000000	17050.5000000	13568.1000000	22226.4000000
Int RSD	*0.74462911*	*0.68267764*	*0.74119713*	*1.09344783*	*0.34912114*	*1.76484548*	*0.26183098*
Int SD	*174.82700000*	*89.80010000*	*215.27700000*	*255.56500000*	*59.52690000*	*239.45600000*	*58.19560000*
RelInt Mean	0.00057362	0.00000542	0.00276520	0.00003345	0.00018614	-0.00008098	0.00251166
RelInt RSD	*14.39412429*	*864.12138578*	*2.78172646*	*364.78092699*	*24.70936167*	*129.17330370*	*1.61410780*
RelInt SD	*0.00008257*	*0.00004686*	*0.00007692*	*0.00012204*	*0.00004599*	*0.00010461*	*0.00004054*
Conc Mean	<-0.00032116[mg/l]	<-0.00071991[mg/l]	<0.00408239[mg/l]	<0.00321017[mg/l]	0.01333710[mg/l]	<-0.00265960[mg/l]	0.00152898[mg/l]
Conc RSD	*3880.27263415*	*55.47483581*	*59.42768819*	*212.92081105*	*23.41236101*	*80.40194014*	*2.84018758*
Conc SD	*0.01246200[mg/l]*	*0.00039937[mg/l]*	*0.00242607[mg/l]*	*0.00683512[mg/l]*	*0.00312253[mg/l]*	*0.00213837[mg/l]*	*0.00004343[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	91994.4000000	14039.9000000	22971.0000000	2131210	36427200	1251650	24762.4000000
Int RSD	*1.28882845*	*0.21011688*	*1.24642811*	*0.16808386*	*4.97392059*	*0.67009148*	*0.85916147*
Int SD	*1185.65000000*	*29.50020000*	*286.31700000*	*3582.22000000*	*1811860*	*8387.20000000*	*212.74900000*
RelInt Mean	0.00029472	0.00001643	0.00004091	---	---	---	0.00130581
RelInt RSD	*5.57799516*	*251.79476878*	*17.11323296*	---	---	---	*5.02665778*
RelInt SD	*0.00001644*	*0.00004137*	*0.00000700*	---	---	---	*0.00006564*
Conc Mean	0.00274024[mg/l]	0.00433111[mg/l]	<-0.00110449[mg/l]	2115290	36309500	1231100	0.00181671[mg/l]
Conc RSD	*5.64162263*	*77.66230828*	*107.57000969*	---	---	---	*12.08739975*
Conc SD	*0.00015459[mg/l]*	*0.00336364[mg/l]*	*0.00118810[mg/l]*	*3663.66000000*	*1810810*	*8327.86000000*	*0.00021959[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8887.15000000	22012.0000000	16616.3000000	11582.7000000	12875.2000000	16302.3000000	
Int RSD	*1.13156636*	*0.32090905*	*0.33233632*	*1.45113834*	*0.16560830*	*1.04435570*	
Int SD	*100.56400000*	*70.63850000*	*55.22200000*	*168.08100000*	*21.32240000*	*170.25400000*	
RelInt Mean	-0.00020761	0.00013716	0.00108873	0.00015518	-0.00032835	0.00112445	
RelInt RSD	*33.44434115*	*52.00478267*	*6.54837287*	*33.14364331*	*8.25424090*	*6.77949220*	
RelInt SD	*0.00006943*	*0.00007133*	*0.00007129*	*0.00005143*	*0.00002710*	*0.00007623*	
Conc Mean	<-0.00027327[mg/l]	<-0.00064187[mg/l]	<-0.00207174[mg/l]	<0.00118239[mg/l]	<-0.00169802[mg/l]	0.09838620[mg/l]	
Conc RSD	*68.35824719*	*276.81799982*	*65.02939558*	*151.64032172*	*7.05403941*	*6.74831430*	
Conc SD	*0.00018681[mg/l]*	*0.00177682[mg/l]*	*0.00134724[mg/l]*	*0.00179298[mg/l]*	*0.00011978[mg/l]*	*0.00663941[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139014	File:	met06_master011	Time:	13-SEP-2023 09:02
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18816, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.003	mg/l	0	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	33605000	-20.45
Yttrium	A	2458930	2119070	-13.82
Yttrium	R	1402170	1235550	-11.88

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICSAB,S18816			Sample Type: Control Sample
Measure Date: 2023-09-13 09:02:40	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	923207	4048230	13866.2000000	16196.6000000	328781	10634200	181629
Int RSD	*0.23995485*	*0.09333141*	*0.81875352*	*0.27756937*	*0.18808082*	*0.35933310*	*0.25154683*
Int SD	*2215.28000000*	*3778.27000000*	*113.53000000*	*44.95680000*	*618.37400000*	*38212.2000000*	*456.88200000*
RelInt Mean	0.02620510	3.28839000	-0.00002188	0.00115230	0.15011500	8.73532000	0.08036640
RelInt RSD	*23.06184674*	*0.52734317*	*167.85521685*	*1.48063872*	*0.41640076*	*0.70690255*	*0.05491076*
RelInt SD	*0.00604338*	*0.01734110*	*0.00003673*	*0.00001706*	*0.00062508*	*0.06175020*	*0.00004413*
Conc Mean	1.07723000[mg/l]	>376.14900000[mg/l]	<0.00039953[mg/l]	0.00216639[mg/l]	0.50555000[mg/l]	>385.32700000[mg/l]	0.47050700[mg/l]
Conc RSD	*23.09636754*	*0.52740270*	*557.61770080*	*11.01823771*	*0.41675205*	*0.70717079*	*0.05498792*
Conc SD	*0.24880100[mg/l]*	*1.98382000[mg/l]*	*0.00222785[mg/l]*	*0.00023870[mg/l]*	*0.00210689[mg/l]*	*2.72492000[mg/l]*	*0.00025872[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	158765	586178	81322200	7111.38000000	1390730	1470320	20398.8000000
Int RSD	*0.40016124*	*0.79197275*	*0.08388915*	*0.58834291*	*0.23042143*	*0.15368423*	*0.71104673*
Int SD	*635.31600000*	*4642.37000000*	*68220.5000000*	*41.83930000*	*3204.54000000*	*2259.65000000*	*145.04500000*
RelInt Mean	0.06919460	0.01599080	38.65770000	0.00069390	1.12122000	0.69022200	-0.00022084
RelInt RSD	*0.39076460*	*22.76921730*	*0.25556694*	*3.35617524*	*0.68797738*	*0.39676510*	*17.73312021*
RelInt SD	*0.00027039*	*0.00364098*	*0.09879630*	*0.00002329*	*0.00771374*	*0.00273856*	*0.00003916*
Conc Mean	0.48032800[mg/l]	0.55441900[mg/l]	>140.26500000[mg/l]	<0.33566500[mg/l]	>374.37200000[mg/l]	0.50313600[mg/l]	<-0.00187152[mg/l]
Conc RSD	*0.39099948*	*22.96927053*	*0.25560546*	*10.83151356*	*0.68792004*	*0.39711529*	*17.02760323*
Conc SD	*0.00187808[mg/l]*	*0.12734600[mg/l]*	*0.35852500[mg/l]*	*0.03635760[mg/l]*	*2.57538000[mg/l]*	*0.00199803[mg/l]*	*0.00031868[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	23302.8000000	248275	96906.8000000	23539.2000000	16977.6000000	13653.5000000	22265.1000000
Int RSD	*1.19958117*	*0.34368422*	*0.47376964*	*0.69797189*	*1.22306451*	*0.15391292*	*0.51619350*
Int SD	*279.53600000*	*853.28200000*	*459.11500000*	*164.29700000*	*207.64700000*	*21.01450000*	*114.93100000*
RelInt Mean	0.00036286	0.11165900	0.03499330	0.00006071	0.00015146	-0.00004243	0.00246027
RelInt RSD	*65.93451415*	*0.58037686*	*0.75095518*	*181.63355059*	*44.97656116*	*55.57166021*	*5.46935905*
RelInt SD	*0.00023925*	*0.00064804*	*0.00026278*	*0.00011027*	*0.00006812*	*0.00002358*	*0.00013456*
Conc Mean	<-0.03213150[mg/l]	0.95077100[mg/l]	1.00296000[mg/l]	<0.00190467[mg/l]	0.01098250[mg/l]	<-0.00187151[mg/l]	0.00147392[mg/l]
Conc RSD	*112.38286417*	*0.58111680*	*0.82582157*	*324.49663196*	*42.10908263*	*25.75423054*	*9.77895680*
Conc SD	*0.03611030[mg/l]*	*0.00552509[mg/l]*	*0.00828266[mg/l]*	*0.00618059[mg/l]*	*0.00462463[mg/l]*	*0.00048199[mg/l]*	*0.00014413[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	91642.6000000	14135.6000000	122801	2119070	33605000	1235550	649467
Int RSD	*0.44896915*	*0.85724695*	*0.15522675*	*0.27241101*	*20.92456480*	*0.44140990*	*0.35150978*
Int SD	*411.44700000*	*121.17700000*	*190.62000000*	*5772.58000000*	*7031700*	*5453.84000000*	*2282.94000000*
RelInt Mean	0.00029996	0.00001324	0.00311944	---	---	---	0.29824200
RelInt RSD	*22.16644386*	*381.87611849*	*23.23779268*	---	---	---	*0.48101542*
RelInt SD	*0.00006649*	*0.00005057*	*0.00072489*	---	---	---	*0.00143459*
Conc Mean	0.00278952[mg/l]	<0.00407240[mg/l]	0.52132300[mg/l]	2103090	33487900	1215120	0.99543200[mg/l]
Conc RSD	*22.41554102*	*100.95226402*	*23.59631169*	---	---	---	*0.48197968*
Conc SD	*0.00062529[mg/l]*	*0.00411118[mg/l]*	*0.12301300[mg/l]*	*5721.77000000*	*7029290*	*5596.27000000*	*0.00479778[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	234146	22089.6000000	16600.7000000	11830.6000000	528791	16369.8000000	
Int RSD	*0.65783742*	*0.60597295*	*0.63583463*	*0.51883083*	*0.42256014*	*0.42043764*	
Int SD	*1540.30000000*	*133.85700000*	*105.55300000*	*61.38080000*	*2234.46000000*	*68.82480000*	
RelInt Mean	0.18482000	0.00015643	0.00107402	0.00026945	0.24461800	0.00117420	
RelInt RSD	*0.88789633*	*63.92903948*	*7.37269325*	*8.95379865*	*0.63215299*	*4.52868336*	
RelInt SD	*0.00164101*	*0.00010000*	*0.00007918*	*0.00002413*	*0.00154636*	*0.00005318*	
Conc Mean	0.49752400[mg/l]	<-0.00016204[mg/l]	<-0.00234523[mg/l]	0.00516576[mg/l]	1.01815000[mg/l]	0.10271900[mg/l]	
Conc RSD	*0.88730192*	*1537.27189133*	*63.86580421*	*16.28081831*	*0.63302657*	*4.50867902*	
Conc SD	*0.00441454[mg/l]*	*0.00249098[mg/l]*	*0.00149780[mg/l]*	*0.00084103[mg/l]*	*0.00644516[mg/l]*	*0.00463127[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139150	File:	met06_master011	Time:	13-SEP-2023 16:31
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18956, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0288	0.0334	1.000	1.036	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	41766500	-1.13
Yttrium	A	2458930	2582650	5.03
Yttrium	R	1402170	1326370	-5.41

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S18956 | Sample Type: Control Sample

Measure Date: 2023-09-13 16:31:12 | Recalculation Date: | State: Check failed | Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	552842	38911.1000000	48068.2000000	183788	747708	1422990	453918
Int RSD	*1.26118674*	*0.86033805*	*1.09984564*	*0.55057458*	*0.59628491*	*0.91927561*	*0.56255315*
Int SD	*6972.37000000*	*334.76700000*	*528.67600000*	*1011.89000000*	*4458.47000000*	*13081.2000000*	*2553.53000000*
RelInt Mean	0.01114850	0.00908015	0.01607070	0.06650580	0.28590000	1.08140000	0.17162300
RelInt RSD	*1.03298202*	*5.04694306*	*1.27297504*	*0.81647465*	*0.65725079*	*0.18967727*	*0.58041055*
RelInt SD	*0.00011516*	*0.00045827*	*0.00020458*	*0.00054300*	*0.00187908*	*0.00205117*	*0.00099612*
Conc Mean	0.45736000[mg/l]	1.02483000[mg/l]	0.97538900[mg/l]	0.91654000[mg/l]	0.95965400[mg/l]	47.54130000[mg/l]	1.00312000[mg/l]
Conc RSD	*1.03669757*	*5.11511177*	*1.27061101*	*0.82885853*	*0.65755991*	*0.19047376*	*0.58269898*
Conc SD	*0.00474144[mg/l]*	*0.05242120[mg/l]*	*0.01239340[mg/l]*	*0.00759682[mg/l]*	*0.00631030[mg/l]*	*0.09055370[mg/l]*	*0.00584517[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	367963	1193980	717796	58555.3000000	211580	3391340	307339
Int RSD	*0.62573954*	*1.40423625*	*0.65894906*	*0.75081846*	*0.21401881*	*0.39916670*	*0.53633284*
Int SD	*2302.49000000*	*16766.3000000*	*4729.91000000*	*439.64400000*	*452.82100000*	*13537.1000000*	*1648.36000000*
RelInt Mean	0.13818200	0.02672610	0.27306100	0.03899370	0.14308800	1.31507000	0.11638400
RelInt RSD	*0.70619328*	*1.14498561*	*0.62120918*	*1.79964712*	*1.30883093*	*0.12433939*	*0.67955217*
RelInt SD	*0.00097583*	*0.00030601*	*0.00169628*	*0.00070175*	*0.00187278*	*0.00163515*	*0.00079089*
Conc Mean	0.95955300[mg/l]	0.92989100[mg/l]	0.98765500[mg/l]	60.12810000[mg/l]	47.63680000[mg/l]	0.95904300[mg/l]	0.94698200[mg/l]
Conc RSD	*0.70656754*	*1.15088758*	*0.62307992*	*1.82192685*	*1.31316965*	*0.12439797*	*0.67936772*
Conc SD	*0.00677989[mg/l]*	*0.01070200[mg/l]*	*0.00615388[mg/l]*	*1.09549000[mg/l]*	*0.62555200[mg/l]*	*0.00119303[mg/l]*	*0.00643349[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	481420	311381	99775.5000000	52561.5000000	43524.3000000	634891	1263680
Int RSD	*0.50305762*	*0.47570019*	*0.35443370*	*0.28548272*	*0.94385665*	*0.58173765*	*0.83392948*
Int SD	*2421.82000000*	*1481.24000000*	*353.63800000*	*150.05400000*	*410.80700000*	*3693.40000000*	*10538.2000000*
RelInt Mean	0.34768500	0.11576400	0.03339300	0.01677860	0.01407590	0.24479600	0.95260000
RelInt RSD	*1.06483742*	*0.61397930*	*0.70065283*	*0.62238208*	*1.31974510*	*0.72659684*	*0.24575373*
RelInt SD	*0.00370228*	*0.00071077*	*0.00023397*	*0.00010443*	*0.00018577*	*0.00177868*	*0.00234105*
Conc Mean	52.39010000[mg/l]	0.98574700[mg/l]	1.03646000[mg/l]	0.93526300[mg/l]	0.95629600[mg/l]	5.00292000[mg/l]	1.01924000[mg/l]
Conc RSD	*1.06655838*	*0.61433410*	*0.70004631*	*0.62303865*	*1.31889080*	*0.72684752*	*0.24620600*
Conc SD	*0.55877100[mg/l]*	*0.00605578[mg/l]*	*0.00725570[mg/l]*	*0.00582705[mg/l]*	*0.01261250[mg/l]*	*0.03636360[mg/l]*	*0.00250943[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	4471140	38730.9000000	265271	2582650	41766500	1326370	834304
Int RSD	*1.74777797*	*0.55561064*	*1.41328679*	*0.29339283*	*0.80344295*	*0.99754216*	*0.45781873*
Int SD	*78145.6000000*	*215.19300000*	*3749.04000000*	*7577.31000000*	*335570*	*13231.1000000*	*3819.60000000*
RelInt Mean	0.10490800	0.01253970	0.00581244	---	---	---	0.32153200
RelInt RSD	*1.38223968*	*1.14123145*	*0.96691923*	---	---	---	*0.55749039*
RelInt SD	*0.00145008*	*0.00014311*	*0.00005620*	---	---	---	*0.00179251*
Conc Mean	0.98655400[mg/l]	1.01778000[mg/l]	0.97795000[mg/l]	2566280	41644000	1304100	1.07314000[mg/l]
Conc RSD	*1.38212404*	*1.14023659*	*0.97528401*	---	---	---	*0.55884694*
Conc SD	*0.01363540[mg/l]*	*0.01160510[mg/l]*	*0.00953779[mg/l]*	*7457.05000000*	*335722*	*13257.3000000*	*0.00599721[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	479970	78484.3000000	754553	401371	598517	175315	
Int RSD	*0.21600308*	*0.55149629*	*0.52744207*	*0.57157841*	*0.65090382*	*0.64741180*	
Int SD	*1036.75000000*	*432.83800000*	*3979.83000000*	*2294.15000000*	*3895.77000000*	*1135.01000000*	
RelInt Mean	0.35946600	0.04030770	0.28838100	0.15361400	0.22779200	0.06507140	
RelInt RSD	*1.04538677*	*1.75402715*	*0.51266554*	*0.56579609*	*0.74126396*	*0.72542315*	
RelInt SD	*0.00375781*	*0.00070701*	*0.00147843*	*0.00086914*	*0.00168854*	*0.00047204*	
Conc Mean	0.96739100[mg/l]	0.99999500[mg/l]	5.39154000[mg/l]	5.35078000[mg/l]	0.94454300[mg/l]	5.66769000[mg/l]	
Conc RSD	*1.04513067*	*1.76130881*	*0.51445227*	*0.56623333*	*0.73982550*	*0.72531490*	
Conc SD	*0.01011050[mg/l]*	*0.01761300[mg/l]*	*0.02773690[mg/l]*	*0.03029790[mg/l]*	*0.00698797[mg/l]*	*0.04110860[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139151	File:	met06_master011	Time:	13-SEP-2023 16:34
Cal:	483369139001	Caldate:	13-SEP-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003334	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	43480800	2.93
Yttrium	A	2458930	2660770	8.21
Yttrium	R	1402170	1336910	-4.65

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2023-09-13 16:34:28	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	88716.0000000	22979.7000000	6337.20000000	14886.6000000	13407.0000000	17670.8000000	12870.4000000
Int RSD	*0.55556044*	*0.33466407*	*0.60486019*	*0.72050032*	*0.49201835*	*0.61034022*	*0.58800814*
Int SD	*492.87100000*	*76.90480000*	*38.33120000*	*107.25800000*	*65.96490000*	*107.85200000*	*75.67900000*
RelInt Mean	0.00005353	0.00024657	-0.00003499	0.00093694	0.00007000	0.00459561	0.00008570
RelInt RSD	*11.42604956*	*20.90061079*	*47.31452904*	*7.70000128*	*28.86165099*	*2.63888798*	*24.67159809*
RelInt SD	*0.00000612*	*0.00005153*	*0.00001656*	*0.00007214*	*0.00002020*	*0.00012127*	*0.00002114*
Conc Mean	<0.00058499[mg/l]	<0.01434010[mg/l]	<0.00002971[mg/l]	<-0.00084674[mg/l]	<-0.00009249[mg/l]	0.01922080[mg/l]	0.00046594[mg/l]
Conc RSD	*43.04605875*	*41.10870914*	*3378.37428526*	*119.20750358*	*72.29484269*	*27.84540706*	*26.63760707*
Conc SD	*0.00025182[mg/l]*	*0.00589503[mg/l]*	*0.00100384[mg/l]*	*0.00100938[mg/l]*	*0.00006687[mg/l]*	*0.00535211[mg/l]*	*0.00012412[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	12187.7000000	84124.6000000	22306.8000000	8445.58000000	25267.3000000	16040.5000000	8559.24000000
Int RSD	*0.68713457*	*0.70592787*	*3.66131852*	*1.73263411*	*0.42686397*	*0.80997475*	*1.56468331*
Int SD	*83.74590000*	*593.85900000*	*816.72300000*	*146.33100000*	*107.85700000*	*129.92400000*	*133.92500000*
RelInt Mean	-0.00004778	0.00016720	0.00236938	0.00043152	0.00060163	0.00025741	0.00012143
RelInt RSD	*111.26943900*	*0.74852119*	*14.69304206*	*16.89064803*	*16.76996953*	*12.51802586*	*34.53861928*
RelInt SD	*0.00005317*	*0.00000125*	*0.00034813*	*0.00007289*	*0.00010089*	*0.00003222*	*0.00004194*
Conc Mean	<-0.00066823[mg/l]	0.00098232[mg/l]	0.00545938[mg/l]	<-0.07394700[mg/l]	<0.04045050[mg/l]	<-0.00028013[mg/l]	<0.00091366[mg/l]
Conc RSD	*55.27210146*	*4.45555984*	*23.13779220*	*153.87912965*	*83.31812957*	*8.39252630*	*37.35307670*
Conc SD	*0.00036934[mg/l]*	*0.00004377[mg/l]*	*0.00126318[mg/l]*	*0.11378900[mg/l]*	*0.03370260[mg/l]*	*0.00002351[mg/l]*	*0.00034128[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	27100.9000000	13452.6000000	13304.1000000	9030.70000000	7090.03000000	7486.59000000	21656.3000000
Int RSD	*0.12374386*	*0.83292449*	*1.37659819*	*0.37877462*	*0.92353065*	*3.21835442*	*0.61852671*
Int SD	*33.53570000*	*112.05000000*	*183.14400000*	*34.20600000*	*65.47860000*	*240.94500000*	*133.95000000*
RelInt Mean	-0.00036539	-0.00003847	-0.00006186	-0.00000813	-0.00000719	0.00046381	0.00014574
RelInt RSD	*16.14620195*	*26.12964354*	*55.03218464*	*118.49524187*	*229.54347364*	*18.86953222*	*25.40207487*
RelInt SD	*0.00005900*	*0.00001005*	*0.00003404*	*0.00000963*	*0.00001651*	*0.00008752*	*0.00003702*
Conc Mean	<-0.14204700[mg/l]	<-0.00109396[mg/l]	<-0.00030350[mg/l]	<0.00087157[mg/l]	<0.00021177[mg/l]	0.00847659[mg/l]	<-0.00100534[mg/l]
Conc RSD	*6.26867868*	*7.83043256*	*347.93839909*	*61.63694837*	*529.35482195*	*21.10471310*	*3.94457596*
Conc SD	*0.00890447[mg/l]*	*0.00008566[mg/l]*	*0.00105600[mg/l]*	*0.00053721[mg/l]*	*0.00112102[mg/l]*	*0.00178896[mg/l]*	*0.00003966[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	110285	6284.88000000	23762.4000000	2660770	43480800	1336910	9499.27000000
Int RSD	*1.16722129*	*0.22662644*	*1.55836532*	*0.17611067*	*0.73122160*	*0.53519160*	*0.96376248*
Int SD	*1287.27000000*	*14.24320000*	*370.30500000*	*4685.90000000*	*317941*	*7155.03000000*	*91.55040000*
RelInt Mean	0.00037646	-0.00001851	0.00004147	---	---	---	0.00036558
RelInt RSD	*5.71789069*	*34.76245542*	*6.63856125*	---	---	---	*9.62566538*
RelInt SD	*0.00002153*	*0.00000643*	*0.00000275*	---	---	---	*0.00003519*
Conc Mean	0.00350901[mg/l]	<0.00148117[mg/l]	<-0.00100928[mg/l]	2644790	43360400	1314260	<-0.00133117[mg/l]
Conc RSD	*5.76900607*	*35.41139775*	*46.28111129*	---	---	---	*8.84026834*
Conc SD	*0.00020244[mg/l]*	*0.00052450[mg/l]*	*0.00046711[mg/l]*	*4637.63000000*	*317702*	*7152.81000000*	*0.00011768[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	10381.7000000	26651.1000000	14694.0000000	6781.68000000	12810.6000000	8808.31000000	
Int RSD	*1.52086845*	*0.20532436*	*0.11268613*	*0.66964675*	*1.07608543*	*0.73247876*	
Int SD	*157.89200000*	*54.72120000*	*16.55810000*	*45.41330000*	*137.85300000*	*64.51900000*	
RelInt Mean	-0.00020005	0.00034769	0.00058307	0.00012227	0.00007808	0.00034843	
RelInt RSD	*56.29298968*	*6.07870714*	*12.09607489*	*12.80928741*	*46.81736970*	*3.99468470*	
RelInt SD	*0.00011261*	*0.00002114*	*0.00007053*	*0.00001566*	*0.00003655*	*0.00001392*	
Conc Mean	<-0.00025292[mg/l]	0.00460243[mg/l]	<-0.01166150[mg/l]	<0.00003515[mg/l]	<0.00001067[mg/l]	0.03080010[mg/l]	
Conc RSD	*119.79052582*	*11.43913107*	*11.40024868*	*1553.26164263*	*1392.26307059*	*3.93589631*	
Conc SD	*0.00030297[mg/l]*	*0.00052648[mg/l]*	*0.00132944[mg/l]*	*0.00054599[mg/l]*	*0.00014857[mg/l]*	*0.00121226[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139162	File:	met06_master011	Time:	13-SEP-2023 20:52
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18956, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0288	0.0319	1.000	0.9908	mg/l	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	43211600	2.29
Yttrium	A	2458930	2602060	5.82
Yttrium	R	1402170	1384300	-1.27

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S18956 | Sample Type: Control Sample

Measure Date: 2023-09-13 20:52:50 | Recalculation Date: | State: Check failed | Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	543141	38325.6000000	45760.8000000	180468	743421	1478700	442037
Int RSD	*1.29451837*	*0.48359843*	*0.82330073*	*0.14196755*	*0.25133135*	*0.54231690*	*0.24651556*
Int SD	*7031.06000000*	*185.34200000*	*376.74900000*	*256.20600000*	*1868.45000000*	*8019.24000000*	*1089.69000000*
RelInt Mean	0.01079330	0.00881084	0.01534240	0.06527390	0.28254400	1.07594000	0.16622100
RelInt RSD	*2.50861182*	*0.62472591*	*0.36723198*	*0.67759089*	*0.50491605*	*0.58925869*	*0.48829811*
RelInt SD	*0.00027076*	*0.00005504*	*0.00005634*	*0.00044229*	*0.00142661*	*0.00634007*	*0.00081165*
Conc Mean	0.44273500[mg/l]	0.99401900[mg/l]	0.93126300[mg/l]	0.89930400[mg/l]	0.94839900[mg/l]	47.30040000[mg/l]	0.97153200[mg/l]
Conc RSD	*2.51744271*	*0.63357642*	*0.36680401*	*0.68811881*	*0.50467472*	*0.59190197*	*0.48407052*
Conc SD	*0.01114560[mg/l]*	*0.00629787[mg/l]*	*0.00341591[mg/l]*	*0.00618828[mg/l]*	*0.00478633[mg/l]*	*0.27997200[mg/l]*	*0.00470290[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	361775	1184880	708270	57997.4000000	216546	3358670	304272
Int RSD	*0.21733343*	*1.94390993*	*0.36154574*	*1.08179849*	*1.82375569*	*0.62392256*	*0.19563811*
Int SD	*786.25800000*	*23033.0000000*	*2560.72000000*	*627.41500000*	*3949.27000000*	*20955.5000000*	*595.27200000*
RelInt Mean	0.13521700	0.02582960	0.26793300	0.03719800	0.14133200	1.29241000	0.11465100
RelInt RSD	*0.53110112*	*3.04268359*	*0.39384846*	*0.64415022*	*1.88447768*	*0.14626396*	*0.60983594*
RelInt SD	*0.00071814*	*0.00078591*	*0.00105525*	*0.00023961*	*0.00266337*	*0.00189033*	*0.00069918*
Conc Mean	0.93896000[mg/l]	0.89853600[mg/l]	0.96904700[mg/l]	57.32470000[mg/l]	47.05030000[mg/l]	0.94251100[mg/l]	0.93287800[mg/l]
Conc RSD	*0.53144117*	*3.05930981*	*0.39514182*	*0.65254768*	*1.89075096*	*0.14619776*	*0.60964456*
Conc SD	*0.00499002[mg/l]*	*0.02748900[mg/l]*	*0.00382911[mg/l]*	*0.37407100[mg/l]*	*0.88960400[mg/l]*	*0.00137793[mg/l]*	*0.00568724[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	484259	300952	95103.6000000	51029.6000000	41830.2000000	610007	1295410
Int RSD	*1.86237117*	*0.14809903*	*0.81039834*	*0.87897024*	*0.75736669*	*0.13842382*	*0.46879521*
Int SD	*9018.70000000*	*445.70700000*	*770.71800000*	*448.53500000*	*316.80800000*	*844.39500000*	*6072.82000000*
RelInt Mean	0.33588900	0.11140300	0.03191830	0.01648770	0.01364570	0.23348800	0.93533100
RelInt RSD	*1.62888931*	*0.60430689*	*0.25852254*	*0.36504061*	*0.68080421*	*0.62637052*	*0.51393998*
RelInt SD	*0.00547126*	*0.00067322*	*0.00008252*	*0.00006019*	*0.00009290*	*0.00146250*	*0.00480704*
Conc Mean	50.60970000[mg/l]	0.94858500[mg/l]	0.99076200[mg/l]	0.91908900[mg/l]	0.92709400[mg/l]	4.77175000[mg/l]	1.00074000[mg/l]
Conc RSD	*1.63170697*	*0.60491891*	*0.25838193*	*0.36975200*	*0.68034201*	*0.62660659*	*0.51436337*
Conc SD	*0.82580200[mg/l]*	*0.00573817[mg/l]*	*0.00255995[mg/l]*	*0.00339835[mg/l]*	*0.00630741[mg/l]*	*0.02990010[mg/l]*	*0.00514744[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	4506180	37476.4000000	260522	2602060	43211600	1384300	789408
Int RSD	*2.24986574*	*0.85345177*	*1.84647746*	*0.76771865*	*0.96570365*	*0.53311638*	*0.18827273*
Int SD	*101383*	*319.84300000*	*4810.48000000*	*19976.5000000*	*417296*	*7379.93000000*	*1486.24000000*
RelInt Mean	0.10246100	0.01223140	0.00557589	---	---	---	0.30195700
RelInt RSD	*3.25877163*	*0.27222231*	*2.97362394*	---	---	---	*0.59061058*
RelInt SD	*0.00333897*	*0.00003330*	*0.00016581*	---	---	---	*0.00178339*
Conc Mean	0.96354300[mg/l]	0.99279500[mg/l]	0.93781400[mg/l]	2587410	43100200	1362970	1.00764000[mg/l]
Conc RSD	*3.25886857*	*0.27809064*	*3.00010450*	---	---	---	*0.59196836*
Conc SD	*0.03140060[mg/l]*	*0.00276087[mg/l]*	*0.02813540[mg/l]*	*19947.5000000*	*416900*	*7161.15000000*	*0.00596491[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	502809	78307.9000000	749339	388217	591410	167229	
Int RSD	*1.75522912*	*0.86287207*	*0.29328648*	*0.06291481*	*0.21732977*	*0.22818291*	
Int SD	*8825.45000000*	*675.69700000*	*2197.71000000*	*244.24600000*	*1285.31000000*	*381.58800000*	
RelInt Mean	0.36108800	0.03938970	0.28462900	0.14753100	0.22381100	0.06172040	
RelInt RSD	*1.56436381*	*0.44630957*	*0.45944721*	*0.79905240*	*0.56768434*	*0.53689704*	
RelInt SD	*0.00564873*	*0.00017580*	*0.00130772*	*0.00117885*	*0.00127054*	*0.00033137*	
Conc Mean	0.97175600[mg/l]	0.97712600[mg/l]	5.32114000[mg/l]	5.13871000[mg/l]	0.92813000[mg/l]	5.37585000[mg/l]	
Conc RSD	*1.56393169*	*0.44820320*	*0.46092003*	*0.79963454*	*0.57007855*	*0.53680813*	
Conc SD	*0.01519760[mg/l]*	*0.00437951[mg/l]*	*0.02452620[mg/l]*	*0.04109090[mg/l]*	*0.00529107[mg/l]*	*0.02885800[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139163	File:	met06_master011	Time:	13-SEP-2023 20:56
Cal:	483369139001	Caldate:	13-SEP-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003334	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	45248500	7.11
Yttrium	A	2458930	2705450	10.03
Yttrium	R	1402170	1432800	2.18

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2023-09-13 20:56:05	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	78247.3000000	21473.9000000	5623.71000000	14223.2000000	11679.8000000	16992.2000000	11261.6000000
Int RSD	*0.53471110*	*1.15623152*	*0.39216994*	*1.36265397*	*0.73396120*	*0.04592354*	*1.24391738*
Int SD	*418.39700000*	*248.28800000*	*22.05450000*	*193.81300000*	*85.72520000*	*7.80342000*	*140.08500000*
RelInt Mean	0.00005157	0.00014809	-0.00002700	0.00114947	0.00000927	0.00430357	0.00001402
RelInt RSD	*6.66929112*	*133.95368939*	*56.73799584*	*5.94968986*	*285.28982913*	*0.62455124*	*338.28782562*
RelInt SD	*0.00000344*	*0.00019837*	*0.00001532*	*0.00006839*	*0.00002645*	*0.00002688*	*0.00004743*
Conc Mean	<0.00050407[mg/l]	<0.00307490[mg/l]	<0.00051396[mg/l]	0.00212675[mg/l]	<-0.00029720[mg/l]	<0.00633229[mg/l]	<0.00004669[mg/l]
Conc RSD	*28.08852791*	*737.96221015*	*180.64487885*	*44.99250029*	*30.13418573*	*18.73350715*	*595.78901829*
Conc SD	*0.00014159[mg/l]*	*0.02269160[mg/l]*	*0.00092844[mg/l]*	*0.00095688[mg/l]*	*0.00008956[mg/l]*	*0.00118626[mg/l]*	*0.00027819[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	10998.0000000	74334.8000000	19690.8000000	7858.21000000	23957.4000000	14170.3000000	7581.60000000
Int RSD	*0.13909347*	*0.58088944*	*4.76743454*	*1.42144331*	*0.34043218*	*1.24043951*	*1.50557930*
Int SD	*15.29750000*	*431.80300000*	*938.74600000*	*111.70000000*	*81.55870000*	*175.77400000*	*114.14700000*
RelInt Mean	0.00001050	0.00014093	0.00201047	0.00047043	0.00064106	0.00017319	0.00012354
RelInt RSD	*186.43807964*	*2.93307506*	*16.61636334*	*17.17270231*	*14.95200152*	*27.96045870*	*40.59462041*
RelInt SD	*0.00001958*	*0.00000413*	*0.00033407*	*0.00008079*	*0.00009585*	*0.00004842*	*0.00005015*
Conc Mean	<-0.00026334[mg/l]	<0.00006384[mg/l]	0.00415711[mg/l]	<-0.01321160[mg/l]	<0.05362280[mg/l]	<-0.00034158[mg/l]	0.00093084[mg/l]
Conc RSD	*51.65074278*	*226.45061753*	*29.15871844*	*954.60807169*	*59.71060817*	*10.34337490*	*43.84138232*
Conc SD	*0.00013601[mg/l]*	*0.00014457[mg/l]*	*0.00121216[mg/l]*	*0.12611900[mg/l]*	*0.03201850[mg/l]*	*0.00003533[mg/l]*	*0.00040809[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	25177.2000000	11856.8000000	11758.8000000	7979.42000000	6249.75000000	6421.55000000	20473.5000000
Int RSD	*0.48156666*	*1.25411578*	*0.17839575*	*0.29420058*	*0.65104524*	*3.12851259*	*1.18656800*
Int SD	*121.24500000*	*148.69800000*	*20.97720000*	*23.47550000*	*40.68870000*	*200.89900000*	*242.93200000*
RelInt Mean	-0.00022459	-0.00003843	-0.00007199	-0.00000615	-0.00000662	0.00032176	0.00027592
RelInt RSD	*56.83169110*	*30.88828003*	*47.72900917*	*133.25952775*	*272.88428325*	*20.63771134*	*43.61440718*
RelInt SD	*0.00012764*	*0.00001187*	*0.00003436*	*0.00000819*	*0.00001806*	*0.00006640*	*0.00012034*
Conc Mean	<-0.12079700[mg/l]	<-0.00109364[mg/l]	<-0.00061494[mg/l]	<0.00098003[mg/l]	<0.00025085[mg/l]	0.00557298[mg/l]	<-0.00086590[mg/l]
Conc RSD	*15.94832653*	*9.25002743*	*172.78758903*	*46.87265952*	*488.74440409*	*24.35626900*	*14.88667309*
Conc SD	*0.01926510[mg/l]*	*0.00010116[mg/l]*	*0.00106254[mg/l]*	*0.00045937[mg/l]*	*0.00122603[mg/l]*	*0.00135737[mg/l]*	*0.00012890[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	98421.2000000	5600.98000000	20692.3000000	2705450	45248500	1432800	8476.51000000
Int RSD	*1.42980374*	*0.18412492*	*0.77705717*	*1.37096232*	*0.50675050*	*0.98997767*	*0.69989772*
Int SD	*1407.23000000*	*10.31280000*	*160.79100000*	*37090.7000000*	*229297*	*14184.4000000*	*59.32690000*
RelInt Mean	0.00035104	-0.00000228	0.00003981	---	---	---	0.00034883
RelInt RSD	*8.92575121*	*556.08306264*	*12.99588074*	---	---	---	*4.12095221*
RelInt SD	*0.00003133*	*0.00001269*	*0.00000517*	---	---	---	*0.00001438*
Conc Mean	0.00326988[mg/l]	<0.00280121[mg/l]	<-0.00129129[mg/l]	2691250	45138700	1411510	<-0.00138743[mg/l]
Conc RSD	*9.01137045*	*36.77946316*	*68.00463103*	---	---	---	*3.47098592*
Conc SD	*0.00029466[mg/l]*	*0.00103027[mg/l]*	*0.00087814[mg/l]*	*37105.8000000*	*229831*	*14143.9000000*	*0.00004816[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9606.07000000	24677.1000000	13139.5000000	6140.77000000	11480.0000000	7275.69000000	
Int RSD	*1.04223684*	*0.36202066*	*0.78609536*	*0.33290776*	*0.54007143*	*0.68550887*	
Int SD	*100.11800000*	*89.33620000*	*103.28900000*	*20.44310000*	*62.00020000*	*49.87550000*	
RelInt Mean	-0.00021561	0.00013878	0.00059078	0.00010499	0.00010579	0.00005815	
RelInt RSD	*39.61259293*	*53.13732131*	*7.17234585*	*4.87617270*	*15.61067367*	*40.10273625*	
RelInt SD	*0.00008541*	*0.00007375*	*0.00004237*	*0.00000512*	*0.00001652*	*0.00002332*	
Conc Mean	<-0.00029480[mg/l]	<-0.00060146[mg/l]	<-0.01151650[mg/l]	<-0.00056723[mg/l]	<0.00012430[mg/l]	0.00551890[mg/l]	
Conc RSD	*77.94780119*	*305.42166772*	*6.88588547*	*31.46400200*	*57.24762671*	*36.79990578*	
Conc SD	*0.00022979[mg/l]*	*0.00183698[mg/l]*	*0.00079301[mg/l]*	*0.00017847[mg/l]*	*0.00007116[mg/l]*	*0.00203095[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139174	File:	met06_master011	Time:	13-SEP-2023 21:31
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18956, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0288	0.0319	1.000	0.9915	mg/l	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	42211100	-0.08
Yttrium	A	2458930	2559670	4.10
Yttrium	R	1402170	1381560	-1.47

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S18956			Sample Type: Control Sample
Measure Date: 2023-09-13 21:31:48	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	532485	38054.5000000	45296.2000000	176288	731915	1472860	434589
Int RSD	*1.49033682*	*1.30744327*	*0.55668025*	*0.54379765*	*0.32434777*	*0.48352118*	*0.41458942*
Int SD	*7935.82000000*	*497.54100000*	*252.15500000*	*958.65000000*	*2373.95000000*	*7121.59000000*	*1801.76000000*
RelInt Mean	0.01081360	0.00882771	0.01543670	0.06476240	0.28278200	1.07380000	0.16610600
RelInt RSD	*1.97541059*	*3.23662649*	*0.93138430*	*0.60400479*	*0.63104795*	*0.27985007*	*0.65688175*
RelInt SD	*0.00021361*	*0.00028572*	*0.00014377*	*0.00039117*	*0.00178449*	*0.00300503*	*0.00109112*
Conc Mean	0.44357300[mg/l]	0.99594600[mg/l]	0.93698200[mg/l]	0.89214800[mg/l]	0.94920400[mg/l]	47.20580000[mg/l]	0.97087200[mg/l]
Conc RSD	*1.98265224*	*3.28143293*	*0.92976172*	*0.61341952*	*0.63092865*	*0.28107139*	*0.65501941*
Conc SD	*0.00879451[mg/l]*	*0.03268130[mg/l]*	*0.00871170[mg/l]*	*0.00547261[mg/l]*	*0.00598880[mg/l]*	*0.13268200[mg/l]*	*0.00635940[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	356297	1160490	692289	58243.5000000	215935	3320350	299092
Int RSD	*0.45368611*	*1.49759153*	*0.29737436*	*0.27392241*	*0.82749438*	*0.50767841*	*0.45471962*
Int SD	*1616.47000000*	*17379.4000000*	*2058.69000000*	*159.54200000*	*1786.85000000*	*16856.7000000*	*1360.03000000*
RelInt Mean	0.13539400	0.02587940	0.26617600	0.03746730	0.14132800	1.29889000	0.11453100
RelInt RSD	*0.69318951*	*1.96281212*	*0.53319608*	*0.48850865*	*0.55272911*	*0.17514031*	*0.75115820*
RelInt SD	*0.00093854*	*0.00050796*	*0.00141924*	*0.00018303*	*0.00078116*	*0.00227488*	*0.00086031*
Conc Mean	0.94018500[mg/l]	0.90027800[mg/l]	0.96267200[mg/l]	57.74500000[mg/l]	47.04880000[mg/l]	0.94723500[mg/l]	0.93190400[mg/l]
Conc RSD	*0.69328164*	*1.97337933*	*0.53484780*	*0.49487055*	*0.55446048*	*0.17548127*	*0.75140143*
Conc SD	*0.00651813[mg/l]*	*0.01776590[mg/l]*	*0.00514883[mg/l]*	*0.28576300[mg/l]*	*0.26086700[mg/l]*	*0.00166222[mg/l]*	*0.00700234[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	485476	296377	93586.0000000	50334.8000000	41303.2000000	598153	1292850
Int RSD	*1.06338109*	*0.20823377*	*0.27732353*	*0.72848804*	*0.27228883*	*0.43937755*	*0.73184205*
Int SD	*5162.46000000*	*617.15700000*	*259.53600000*	*366.68300000*	*112.46400000*	*2628.15000000*	*9461.62000000*
RelInt Mean	0.33767200	0.11150700	0.03194090	0.01652810	0.01369530	0.23271900	0.93535400
RelInt RSD	*0.83649518*	*0.28781870*	*0.63373293*	*1.14198849*	*0.66356414*	*0.62771411*	*0.45579535*
RelInt SD	*0.00282461*	*0.00032094*	*0.00020242*	*0.00018875*	*0.00009088*	*0.00146081*	*0.00426330*
Conc Mean	50.87880000[mg/l]	0.94948000[mg/l]	0.99146000[mg/l]	0.92134300[mg/l]	0.93046100[mg/l]	4.75604000[mg/l]	1.00077000[mg/l]
Conc RSD	*0.83792267*	*0.28811455*	*0.63345571*	*1.14401477*	*0.66320781*	*0.62786478*	*0.45639957*
Conc SD	*0.42632500[mg/l]*	*0.00273559[mg/l]*	*0.00628046[mg/l]*	*0.01054030[mg/l]*	*0.00617089[mg/l]*	*0.02986150[mg/l]*	*0.00456751[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	4372900	36929.0000000	253585	2559670	42211100	1381560	775598
Int RSD	*1.72351071*	*0.57401771*	*1.77833862*	*0.34270394*	*0.60967850*	*0.37783086*	*0.34994675*
Int SD	*75367.4000000*	*211.97900000*	*4509.60000000*	*8772.09000000*	*257352*	*5219.96000000*	*2714.18000000*
RelInt Mean	0.10173400	0.01224630	0.00555288	---	---	---	0.30158500
RelInt RSD	*2.08029764*	*1.04386631*	*2.10991413*	---	---	---	*0.65092760*
RelInt SD	*0.00211637*	*0.00012784*	*0.00011716*	---	---	---	*0.00196310*
Conc Mean	0.95670300[mg/l]	0.99403000[mg/l]	0.93391000[mg/l]	2545170	42101600	1360320	1.00639000[mg/l]
Conc RSD	*2.08033214*	*1.03900285*	*2.12863124*	---	---	---	*0.65268236*
Conc SD	*0.01990260[mg/l]*	*0.01032800[mg/l]*	*0.01987950[mg/l]*	*8660.68000000*	*256980*	*5213.26000000*	*0.00656853[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	501944	78334.3000000	747622	382093	582732	164800	
Int RSD	*0.90936240*	*0.61020141*	*0.30588319*	*0.42709497*	*0.35298216*	*0.23930583*	
Int SD	*4564.49000000*	*477.99700000*	*2286.85000000*	*1631.90000000*	*2056.94000000*	*394.37600000*	
RelInt Mean	0.36117500	0.03967980	0.28874700	0.14759100	0.22414000	0.06181110	
RelInt RSD	*0.55359867*	*0.86319740*	*0.60839420*	*0.67558117*	*0.59369144*	*0.58121923*	
RelInt SD	*0.00199946*	*0.00034252*	*0.00175672*	*0.00099710*	*0.00133070*	*0.00035926*	
Conc Mean	0.97198900[mg/l]	0.98435200[mg/l]	5.39878000[mg/l]	5.14079000[mg/l]	0.92948000[mg/l]	5.38375000[mg/l]	
Conc RSD	*0.55334268*	*0.86680679*	*0.61025824*	*0.67623264*	*0.59353509*	*0.58120084*	
Conc SD	*0.00537843[mg/l]*	*0.00853243[mg/l]*	*0.03294650[mg/l]*	*0.03476370[mg/l]*	*0.00551679[mg/l]*	*0.03129040[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139175	File:	met06_master011	Time:	13-SEP-2023 21:35
Cal:	483369139001	Caldate:	13-SEP-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003334	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	44675100	5.76
Yttrium	A	2458930	2705820	10.04
Yttrium	R	1402170	1421320	1.37

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2023-09-13 21:35:01	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	77068.9000000	21615.8000000	5557.78000000	12727.8000000	11604.2000000	16839.3000000	11122.3000000
Int RSD	*0.86640396*	*1.77645519*	*0.85047987*	*0.62326639*	*0.73412902*	*1.03440167*	*0.77347851*
Int SD	*667.72800000*	*383.99500000*	*47.26780000*	*79.32810000*	*85.18980000*	*174.18600000*	*86.02860000*
RelInt Mean	0.00004404	0.00031407	-0.00002575	0.00067268	0.00004885	0.00435630	0.00004604
RelInt RSD	*23.57918162*	*40.35100008*	*71.15707294*	*4.15454233*	*60.08737808*	*3.07494892*	*89.12426341*
RelInt SD	*0.00001038*	*0.00012673*	*0.00001832*	*0.00002795*	*0.00002935*	*0.00013395*	*0.00004103*
Conc Mean	<0.00019413[mg/l]	<0.02206240[mg/l]	<0.00058982[mg/l]	<-0.00454405[mg/l]	<-0.00016311[mg/l]	<0.00865956[mg/l]	<0.00023374[mg/l]
Conc RSD	*220.20604219*	*65.70907970*	*188.25912990*	*8.60470285*	*60.68624506*	*68.26778728*	*102.94851227*
Conc SD	*0.00042750[mg/l]*	*0.01449700[mg/l]*	*0.00111039[mg/l]*	*0.00039100[mg/l]*	*0.00009898[mg/l]*	*0.00591169[mg/l]*	*0.00024064[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	10766.5000000	73541.3000000	17963.9000000	7862.92000000	23847.2000000	13768.1000000	7386.77000000
Int RSD	*0.21187387*	*0.35159019*	*3.50589237*	*1.02288844*	*1.28141669*	*1.14965028*	*1.52582252*
Int SD	*22.81140000*	*258.56400000*	*629.79500000*	*80.42890000*	*305.58200000*	*158.28500000*	*112.70900000*
RelInt Mean	0.00000316	0.00014361	0.00148570	0.00047760	0.00061768	0.00015435	0.00009876
RelInt RSD	*352.41467555*	*2.01212999*	*17.96533621*	*26.71920671*	*7.84081674*	*12.21239626*	*52.20147312*
RelInt SD	*0.00001113*	*0.00000289*	*0.00026691*	*0.00012761*	*0.00004843*	*0.00001885*	*0.00005155*
Conc Mean	<-0.00031436[mg/l]	<0.00015748[mg/l]	0.00225298[mg/l]	<-0.00200863[mg/l]	<0.04581140[mg/l]	<-0.00035532[mg/l]	<0.00072916[mg/l]
Conc RSD	*24.58820835*	*64.16937077*	*42.98626708*	*9918.40209496*	*35.31435407*	*3.87069720*	*57.53205040*
Conc SD	*0.00007729[mg/l]*	*0.00010105[mg/l]*	*0.00096847[mg/l]*	*0.19922400[mg/l]*	*0.01617800[mg/l]*	*0.00001375[mg/l]*	*0.00041950[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	25141.1000000	11657.5000000	11590.8000000	7814.85000000	6172.61000000	6281.89000000	20368.8000000
Int RSD	*0.83908421*	*0.66411152*	*0.85287469*	*0.62991484*	*0.27183639*	*3.35916420*	*1.61621696*
Int SD	*210.95500000*	*77.41880000*	*98.85500000*	*49.22690000*	*16.77940000*	*211.01900000*	*329.20400000*
RelInt Mean	-0.00018358	-0.00001833	-0.00003630	-0.00001229	0.00000396	0.00030326	0.00021842
RelInt RSD	*40.35641137*	*90.37001069*	*119.57910570*	*130.74626623*	*226.95837041*	*20.97189568*	*72.20039922*
RelInt SD	*0.00007409*	*0.00001656*	*0.00004341*	*0.00001607*	*0.00000898*	*0.00006360*	*0.00015770*
Conc Mean	<-0.11460700[mg/l]	<-0.00092233[mg/l]	<0.00048740[mg/l]	<0.00063615[mg/l]	<0.00096870[mg/l]	0.00519489[mg/l]	<-0.00092749[mg/l]
Conc RSD	*9.75690839*	*15.30435009*	*275.51908084*	*141.41489087*	*62.92106646*	*25.02574645*	*18.21330110*
Conc SD	*0.01118210[mg/l]*	*0.00014116[mg/l]*	*0.00134288[mg/l]*	*0.00089961[mg/l]*	*0.00060952[mg/l]*	*0.00130006[mg/l]*	*0.00016893[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	98421.5000000	5500.06000000	20563.3000000	2705820	44675100	1421320	8392.96000000
Int RSD	*1.25926754*	*0.56738472*	*0.63465494*	*0.73528173*	*0.31567697*	*0.75676836*	*1.39699224*
Int SD	*1239.39000000*	*31.20650000*	*130.50600000*	*19895.4000000*	*141029*	*10756.1000000*	*117.24900000*
RelInt Mean	0.00037738	0.00000001	0.00004115	---	---	---	0.00036463
RelInt RSD	*6.78539819*	*90458.6301202*	*2.44204158*	---	---	---	*9.78751238*
RelInt SD	*0.00002561*	*0.00000856*	*0.00000101*	---	---	---	*0.00003569*
Conc Mean	0.00351761[mg/l]	0.00298740[mg/l]	<-0.00106355[mg/l]	2691940	44567200	1400060	<-0.00133452[mg/l]
Conc RSD	*6.84586978*	*23.26625159*	*16.02773729*	---	---	---	*8.94883554*
Conc SD	*0.00024081[mg/l]*	*0.00069506[mg/l]*	*0.00017046[mg/l]*	*19906.3000000*	*141150*	*10634.0000000*	*0.00011942[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9692.61000000	24601.2000000	13329.7000000	6050.61000000	11152.2000000	7064.32000000	
Int RSD	*3.86860711*	*0.89180203*	*1.04075861*	*0.69224425*	*0.87994297*	*1.57097923*	
Int SD	*374.96900000*	*219.39400000*	*138.73000000*	*41.88500000*	*98.13300000*	*110.97900000*	
RelInt Mean	-0.00011132	0.00017876	0.00075850	0.00010195	0.00007119	0.00001717	
RelInt RSD	*199.95777824*	*38.59596225*	*12.23291000*	*9.23968336*	*50.05822684*	*189.55238655*	
RelInt SD	*0.00022259*	*0.00006900*	*0.00009279*	*0.00000942*	*0.00003564*	*0.00003255*	
Conc Mean	<-0.00001420[mg/l]	<0.00039439[mg/l]	<-0.00835077[mg/l]	<-0.00067344[mg/l]	<-0.00002006[mg/l]	<0.00195023[mg/l]	
Conc RSD	*4217.23239437*	*435.77566425*	*20.87029100*	*48.76024590*	*727.60991271*	*145.37157156*	
Conc SD	*0.00059885[mg/l]*	*0.00171866[mg/l]*	*0.00174283[mg/l]*	*0.00032837[mg/l]*	*0.00014595[mg/l]*	*0.00283508[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139186	File:	met06_master011	Time:	13-SEP-2023 22:10
Cal:	483369139001	Caldate:	13-SEP-2023		

Standards: S18956, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0288	0.0315	1.000	0.9793	mg/l	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	41634800	-1.44
Yttrium	A	2458930	2554420	3.88
Yttrium	R	1402170	1368560	-2.40

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S18956			Sample Type: Control Sample
Measure Date: 2023-09-13 22:10:40	Recalculation Date:	State: Check failed	Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	525895	37749.7000000	44857.9000000	175209	729522	1464470	432454
Int RSD	*1.01892013*	*0.56952506*	*0.36724412*	*0.37160876*	*0.40775878*	*1.53540189*	*0.30559320*
Int SD	*5358.45000000*	*214.99400000*	*164.73800000*	*651.09200000*	*2974.69000000*	*22485.5000000*	*1321.55000000*
RelInt Mean	0.01081180	0.00900599	0.01531810	0.06451430	0.28245500	1.07772000	0.16564300
RelInt RSD	*1.52153203*	*3.52736345*	*0.70744413*	*0.80056980*	*0.79519924*	*0.21761311*	*0.69663674*
RelInt SD	*0.00016451*	*0.00031767*	*0.00010837*	*0.00051648*	*0.00224608*	*0.00234526*	*0.00115393*
Conc Mean	0.44350100[mg/l]	1.01634000[mg/l]	0.92979600[mg/l]	0.88867600[mg/l]	0.94811100[mg/l]	47.37870000[mg/l]	0.96815700[mg/l]
Conc RSD	*1.52704503*	*3.57569317*	*0.70617211*	*0.81316475*	*0.79596376*	*0.21814866*	*0.69393291*
Conc SD	*0.00677246[mg/l]*	*0.03634120[mg/l]*	*0.00656596[mg/l]*	*0.00722640[mg/l]*	*0.00754662[mg/l]*	*0.10335600[mg/l]*	*0.00671836[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	353684	1147370	686943	57033.1000000	211838	3318620	297708
Int RSD	*0.28989720*	*1.46780899*	*0.39025654*	*1.34936554*	*1.36832863*	*0.35379164*	*0.28609745*
Int SD	*1025.32000000*	*16841.2000000*	*2680.84000000*	*769.58500000*	*2898.64000000*	*11741.0000000*	*851.73500000*
RelInt Mean	0.13468000	0.02592650	0.26466100	0.03706420	0.13982500	1.30095000	0.11425900
RelInt RSD	*0.68519676*	*1.93306462*	*0.77289438*	*1.04501648*	*1.27982121*	*0.14328375*	*0.65674301*
RelInt SD	*0.00092282*	*0.00050118*	*0.00204555*	*0.00038733*	*0.00178951*	*0.00186405*	*0.00075039*
Conc Mean	0.93522300[mg/l]	0.90192500[mg/l]	0.95717500[mg/l]	57.11570000[mg/l]	46.54710000[mg/l]	0.94873900[mg/l]	0.92968900[mg/l]
Conc RSD	*0.68546967*	*1.94354298*	*0.77555828*	*1.05866863*	*1.28408000*	*0.14332709*	*0.65677124*
Conc SD	*0.00641067[mg/l]*	*0.01752930[mg/l]*	*0.00742345[mg/l]*	*0.60466600[mg/l]*	*0.59770200[mg/l]*	*0.00135980[mg/l]*	*0.00610593[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	475682	294590	92344.0000000	50142.4000000	41082.6000000	593795	1282850
Int RSD	*1.44736820*	*0.23654197*	*0.13572187*	*0.63167698*	*0.48624478*	*0.37777684*	*1.64745683*
Int SD	*6884.87000000*	*696.82900000*	*125.33100000*	*316.73800000*	*199.76200000*	*2243.22000000*	*21134.4000000*
RelInt Mean	0.33386200	0.11106700	0.03154730	0.01650840	0.01365540	0.23150700	0.93695600
RelInt RSD	*1.02738257*	*0.63544437*	*0.58021447*	*1.16085750*	*0.98865650*	*0.73597343*	*0.03321042*
RelInt SD	*0.00343004*	*0.00070577*	*0.00018304*	*0.00019164*	*0.00013501*	*0.00170383*	*0.00031117*
Conc Mean	50.30380000[mg/l]	0.94572200[mg/l]	0.97925600[mg/l]	0.92027500[mg/l]	0.92775100[mg/l]	4.73127000[mg/l]	1.00248000[mg/l]
Conc RSD	*1.02919263*	*0.63625040*	*0.57857598*	*1.16197876*	*0.98814337*	*0.73615752*	*0.03332396*
Conc SD	*0.51772300[mg/l]*	*0.00601716[mg/l]*	*0.00566574[mg/l]*	*0.01069340[mg/l]*	*0.00916751[mg/l]*	*0.03482960[mg/l]*	*0.00033407[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	4314920	36599.3000000	249618	2554420	41634800	1368560	771082
Int RSD	*1.94673598*	*0.20565393*	*1.51152561*	*0.36477400*	*0.43317849*	*1.62470042*	*0.41875443*
Int SD	*84000.1000000*	*75.26790000*	*3773.04000000*	*9317.86000000*	*180353*	*22235.0000000*	*3228.94000000*
RelInt Mean	0.10176800	0.01214730	0.00553695	---	---	---	0.30047300
RelInt RSD	*2.41595590*	*0.64612712*	*2.02369536*	---	---	---	*0.79814160*
RelInt SD	*0.00245867*	*0.00007849*	*0.00011205*	---	---	---	*0.00239820*
Conc Mean	0.95702800[mg/l]	0.98598400[mg/l]	0.93120700[mg/l]	2539850	41525800	1347770	1.00267000[mg/l]
Conc RSD	*2.41617800*	*0.64074366*	*2.04179092*	---	---	---	*0.80050066*
Conc SD	*0.02312350[mg/l]*	*0.00631763[mg/l]*	*0.01901330[mg/l]*	*9344.40000000*	*180618*	*22527.2000000*	*0.00802638[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	491530	76774.9000000	739944	379791	581168	162829	
Int RSD	*1.45756719*	*0.66884099*	*0.48226082*	*0.30519417*	*0.44280139*	*0.37713061*	
Int SD	*7164.38000000*	*513.50200000*	*3568.46000000*	*1159.10000000*	*2573.42000000*	*614.07800000*	
RelInt Mean	0.35699900	0.03913770	0.28631700	0.14699400	0.22405100	0.06117110	
RelInt RSD	*0.65842481*	*0.65286667*	*0.86984706*	*0.67943930*	*0.81112782*	*0.76358280*	
RelInt SD	*0.00235057*	*0.00025552*	*0.00249052*	*0.00099874*	*0.00181734*	*0.00046709*	
Conc Mean	0.96075300[mg/l]	0.97085000[mg/l]	5.35304000[mg/l]	5.11997000[mg/l]	0.92913600[mg/l]	5.32801000[mg/l]	
Conc RSD	*0.65824723*	*0.65565020*	*0.87436485*	*0.67984578*	*0.81192850*	*0.76352710*	
Conc SD	*0.00632413[mg/l]*	*0.00636538[mg/l]*	*0.04680510[mg/l]*	*0.03480790[mg/l]*	*0.00754392[mg/l]*	*0.04068080[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 492059 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	483369139187	File:	met06_master011	Time:	13-SEP-2023 22:13
Cal:	483369139001	Caldate:	13-SEP-2023		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003334	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	42243600	43804600	3.70
Yttrium	A	2458930	2651270	7.82
Yttrium	R	1402170	1386700	-1.10

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2023-09-13 22:13:54	Recalculation Date:	State: Checked	Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	76840.6000000	21377.6000000	5486.23000000	12292.5000000	11377.6000000	16724.2000000	10942.3000000
Int RSD	*0.14645253*	*0.70798874*	*0.36110407*	*2.12850925*	*1.68271868*	*0.60906351*	*0.26521572*
Int SD	*112.53500000*	*151.35100000*	*19.81100000*	*261.64700000*	*191.45300000*	*101.86100000*	*29.02070000*
RelInt Mean	0.00004932	0.00016268	-0.00003903	0.00053565	-0.00003168	0.00437840	-0.00001020
RelInt RSD	*10.55880057*	*91.62881046*	*47.89084620*	*21.94146156*	*163.48269386*	*1.47895122*	*91.45692054*
RelInt SD	*0.00000521*	*0.00014906*	*0.00001869*	*0.00011753*	*0.00005179*	*0.00006475*	*0.00000933*
Conc Mean	<0.00041174[mg/l]	<0.00474390[mg/l]	<-0.00021528[mg/l]	<-0.00646135[mg/l]	<-0.00043511[mg/l]	0.00963483[mg/l]	<-0.00009532[mg/l]
Conc RSD	*52.07450387*	*359.43211282*	*526.23291203*	*25.44932561*	*40.08678245*	*29.65968263*	*57.38751290*
Conc SD	*0.00021441[mg/l]*	*0.01705110[mg/l]*	*0.00113289[mg/l]*	*0.00164437[mg/l]*	*0.00017442[mg/l]*	*0.00285766[mg/l]*	*0.00005470[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	10750.2000000	73041.1000000	18731.9000000	7763.69000000	23736.8000000	13981.7000000	7394.13000000
Int RSD	*0.40564269*	*0.09582208*	*10.02188780*	*1.64106243*	*0.39199134*	*2.94615104*	*0.57199968*
Int SD	*43.60740000*	*69.98950000*	*1877.29000000*	*127.40700000*	*93.04620000*	*411.92200000*	*42.29440000*
RelInt Mean	0.00001621	0.00014760	0.00183506	0.00049802	0.00063683	0.00023140	0.00012048
RelInt RSD	*96.66461083*	*1.37064790*	*40.10522817*	*24.14997882*	*13.34312140*	*74.44273503*	*3.52889276*
RelInt SD	*0.00001567*	*0.00000202*	*0.00073596*	*0.00012027*	*0.00008497*	*0.00017226*	*0.00000425*
Conc Mean	<-0.00022366[mg/l]	<0.00029702[mg/l]	0.00352065[mg/l]	<0.02986040[mg/l]	<0.05220910[mg/l]	<-0.00029911[mg/l]	0.00090593[mg/l]
Conc RSD	*48.67901582*	*23.82372845*	*75.84934600*	*628.80269521*	*54.36695902*	*42.02007977*	*3.81899524*
Conc SD	*0.00010888[mg/l]*	*0.00007076[mg/l]*	*0.00267039[mg/l]*	*0.18776300[mg/l]*	*0.02838450[mg/l]*	*0.00012569[mg/l]*	*0.00003460[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	24948.2000000	11640.1000000	11427.5000000	7749.97000000	6160.94000000	6343.30000000	20293.9000000
Int RSD	*0.22477774*	*1.08311784*	*0.44684489*	*0.64213410*	*1.06248722*	*2.56364984*	*0.25935725*
Int SD	*56.07800000*	*126.07600000*	*51.06320000*	*49.76520000*	*65.45920000*	*162.62000000*	*52.63370000*
RelInt Mean	-0.00016522	-0.00004003	-0.00009198	-0.00002394	0.00000552	0.00034365	0.00017694
RelInt RSD	*26.76883409*	*115.93157584*	*10.41470205*	*80.25496863*	*282.90201403*	*17.97139532*	*45.21939145*
RelInt SD	*0.00004423*	*0.00004640*	*0.00000958*	*0.00001921*	*0.00001563*	*0.00006176*	*0.00008001*
Conc Mean	<-0.11183500[mg/l]	<-0.00110723[mg/l]	<-0.00123507[mg/l]	<-0.00001659[mg/l]	<0.00107514[mg/l]	0.00602045[mg/l]	<-0.00097192[mg/l]
Conc RSD	*5.96932087*	*35.71453086*	*23.76407815*	*6487.46059777*	*98.67366110*	*20.96886445*	*8.81823607*
Conc SD	*0.00667579[mg/l]*	*0.00039544[mg/l]*	*0.00029350[mg/l]*	*0.00107638[mg/l]*	*0.00106088[mg/l]*	*0.00126242[mg/l]*	*0.00008571[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	96988.8000000	5462.34000000	20620.0000000	2651270	43804600	1386700	8156.47000000
Int RSD	*1.54686933*	*0.24699122*	*1.10741513*	*0.14014793*	*0.49082288*	*1.18443066*	*0.49516887*
Int SD	*1500.29000000*	*13.49150000*	*228.34900000*	*3715.70000000*	*215003*	*16424.5000000*	*40.38830000*
RelInt Mean	0.00036213	-0.00000407	0.00004374	---	---	---	0.00030646
RelInt RSD	*9.38126850*	*289.36505443*	*4.99224941*	---	---	---	*10.04483500*
RelInt SD	*0.00003397*	*0.00001179*	*0.00000218*	---	---	---	*0.00003078*
Conc Mean	0.00337420[mg/l]	<0.00265515[mg/l]	<-0.00062511[mg/l]	2637270	43696900	1365640	<-0.00152928[mg/l]
Conc RSD	*9.46843696*	*36.09163324*	*59.27612740*	---	---	---	*6.73833438*
Conc SD	*0.00031948[mg/l]*	*0.00095829[mg/l]*	*0.00037054[mg/l]*	*3817.56000000*	*214680*	*16387.3000000*	*0.00010305[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9616.72000000	24491.9000000	12981.5000000	6067.52000000	11137.3000000	6959.02000000	
Int RSD	*2.38517915*	*0.84913788*	*0.63277279*	*0.83866885*	*0.28501342*	*0.51830574*	
Int SD	*229.37600000*	*207.97000000*	*82.14340000*	*50.88640000*	*31.74280000*	*36.06900000*	
RelInt Mean	-0.00019555	0.00016105	0.00063215	0.00012507	0.00006856	-0.00000909	
RelInt RSD	*68.88126371*	*102.45515340*	*9.47476157*	*25.02162772*	*22.81957601*	*136.73746504*	
RelInt SD	*0.00013470*	*0.00016500*	*0.00005989*	*0.00003129*	*0.00001565*	*0.00001243*	
Conc Mean	<-0.00024082[mg/l]	<-0.00004684[mg/l]	<-0.01073620[mg/l]	<0.00013267[mg/l]	<-0.00002805[mg/l]	<-0.00033692[mg/l]	
Conc RSD	*150.48230844*	*8774.93595218*	*10.50837354*	*822.30078090*	*221.23218086*	*321.21582676*	
Conc SD	*0.00036239[mg/l]*	*0.00411018[mg/l]*	*0.00112820[mg/l]*	*0.00109093[mg/l]*	*0.00006206[mg/l]*	*0.00108225[mg/l]*	

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

enthalpy.com

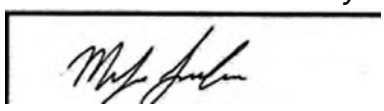
Lab Job Number:	492114
Report Level:	II
Report Date:	09/27/2023

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:



Miguel Gamboa, Project Coordinator
miguel.gamboa@enthalpy.com

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

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

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	492114
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/12/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C8W-MED-L2-HS-1-230911-P-G	492114-001	09/11/23 13:05	Wipe
AFRAME-C8W-MED-L2-HS-1-230911-P-DUP-G	492114-002	09/11/23 13:05	Wipe
AFRAME-C8W-MED-L2-HS-1-230911-L-G	492114-003	09/11/23 13:05	Wipe
AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-P-LA	492114-004	09/11/23 13:50	Wipe
AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-L-LA	492114-005	09/11/23 13:50	Wipe
AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-P-LA	492114-006	09/11/23 13:30	Wipe
AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-L-LA	492114-007	09/11/23 13:30	Wipe
AFRAME-C10W-MED-L2-HS-1-230911-P-G	492114-008	09/11/23 13:40	Wipe
AFRAME-C10W-MED-L2-HS-1-230911-L-G	492114-009	09/11/23 13:40	Wipe
AFRAME-C8W-LAT-L2-INT-0.5 TO 1-230911-P-FB	492114-010	09/11/23 09:20	Wipe
AFRAME-C8W-LAT-L2-INT-0.5 TO 1-230911-L-FB	492114-011	09/11/23 09:20	Wipe
AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-P-FB	492114-012	09/11/23 09:30	Wipe
AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-L-FB	492114-013	09/11/23 09:30	Wipe
AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-L-DUP-FB	492114-014	09/11/23 09:30	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	492114
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/12/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-P-WF	492114-015	09/11/23 09:44	Wipe
AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-L-WF	492114-016	09/11/23 09:44	Wipe
AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-P-I	492114-017	09/11/23 10:00	Wipe
AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-L-I	492114-018	09/11/23 10:00	Wipe
AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-P-FB	492114-019	09/11/23 10:15	Wipe
AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-L-FB	492114-020	09/11/23 10:15	Wipe
AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-P-LA	492114-021	09/11/23 10:30	Wipe
AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-P-DUP-LA	492114-022	09/11/23 10:30	Wipe
AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-L-LA	492114-023	09/11/23 10:30	Wipe
AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-P-FB	492114-024	09/11/23 10:45	Wipe
AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-L-FB	492114-025	09/11/23 10:45	Wipe
AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-P-LA	492114-026	09/11/23 11:10	Wipe
AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-L-LA	492114-027	09/11/23 11:10	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	492114
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/12/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-P-LA	492114-028	09/11/23 10:55	Wipe
AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-L-LA	492114-029	09/11/23 10:55	Wipe
AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-P-FB	492114-030	09/11/23 11:20	Wipe
AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-P-DUP-FB	492114-031	09/11/23 11:20	Wipe
AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-L-FB	492114-032	09/11/23 11:20	Wipe
AFRAME-C11W-MED-L2-EXT-0 TO 1-230911-P-WF	492114-033	09/11/23 11:30	Wipe
AFRAME-C11W-MED-L2-EXT-0 TO 1-230911-L-WF	492114-034	09/11/23 11:30	Wipe
AFRAME-C8W-LAT-L1-HS-3-230911-P-A	492114-035	09/11/23 13:10	Wipe
AFRAME-C8W-LAT-L1-HS-3-230911-L-A	492114-036	09/11/23 13:10	Wipe
AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-P-I	492114-037	09/11/23 13:20	Wipe
AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-L-I	492114-038	09/11/23 13:20	Wipe
AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-P-SS	492114-039	09/11/23 13:25	Wipe
AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-L-SS	492114-040	09/11/23 13:25	Wipe
AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-P-SS	492114-041	09/11/23 13:35	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	492114
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/12/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-L-SS	492114-042	09/11/23 13:35	Wipe
AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-L-DUP-SS	492114-043	09/11/23 13:35	Wipe
AFRAME-C9W-LAT-L1-HS-3-230911-P-G	492114-044	09/11/23 09:30	Wipe
AFRAME-C9W-LAT-L1-HS-3-230911-L-G	492114-045	09/11/23 09:30	Wipe
AFRAME-C9W-MED-L1-HS-3-230911-P-LA	492114-046	09/11/23 09:35	Wipe
AFRAME-C9W-MED-L1-HS-3-230911-L-LA	492114-047	09/11/23 09:35	Wipe
AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-P-SS	492114-048	09/11/23 10:45	Wipe
AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-L-SS	492114-049	09/11/23 10:45	Wipe
AFRAME-C10W-MED-L1-HS-3-230911-P-A	492114-050	09/11/23 10:20	Wipe
AFRAME-C10W-MED-L1-HS-3-230911-L-A	492114-051	09/11/23 10:20	Wipe
AFRAME-C10W-MED-L1-HS-3-230911-L-DUP-A	492114-052	09/11/23 10:20	Wipe
AFRAME-C11W-MED-L1-HS-3-230911-P-G	492114-053	09/11/23 10:30	Wipe
AFRAME-C11W-MED-L1-HS-3-230911-L-G	492114-054	09/11/23 10:30	Wipe
AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-P-WF	492114-055	09/11/23 10:55	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	492114
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/12/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-L-WF	492114-056	09/11/23 10:55	Wipe
AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-P-FB	492114-057	09/11/23 13:05	Wipe
AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-L-FB	492114-058	09/11/23 13:05	Wipe
AFRAME-C8W-LAT-L1-UP-C8W-HS-230911-P-LA	492114-059	09/11/23 13:20	Wipe
AFRAME-C8W-LAT-L1-UP-C8W-HS-230911-L-LA	492114-060	09/11/23 13:20	Wipe
AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-P-FB	492114-061	09/11/23 13:55	Wipe
AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-L-FB	492114-062	09/11/23 13:55	Wipe
AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-P-FB	492114-063	09/11/23 14:10	Wipe
AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-L-FB	492114-064	09/11/23 14:10	Wipe
AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-P-SS	492114-065	09/11/23 13:35	Wipe
AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-L-SS	492114-066	09/11/23 13:35	Wipe
AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-P-WF	492114-067	09/11/23 13:40	Wipe
AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-L-WF	492114-068	09/11/23 13:40	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	492114
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/12/23

Sample ID	Lab ID	Collected	Matrix
AFRAME-C9W-MED-L1-DN-C9W-DG-230911-P-SS	492114-069	09/11/23 13:45	Wipe
AFRAME-C9W-MED-L1-DN-C9W-DG-230911-L-SS	492114-070	09/11/23 13:45	Wipe
AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-P-SS	492114-071	09/11/23 14:05	Wipe
AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-L-SS	492114-072	09/11/23 14:05	Wipe
230911-P-FIELDBLANK1-HO	492114-073	09/11/23 09:55	Wipe
230911-L-FIELDBLANK1-HO	492114-074	09/11/23 09:55	Wipe
230911-L-MEDBLANK1-HO	492114-075	09/11/23 15:11	Wipe
230911-P-FIELDBLANK2-HO	492114-076	09/11/23 10:16	Wipe
230911-L-FIELDBLANK2-HO	492114-077	09/11/23 10:16	Wipe
230911-L-MEDBLANK2-HO	492114-078	09/11/23 15:13	Wipe
230911-P-FIELDBLANK3-HO	492114-079	09/11/23 14:00	Wipe
230911-L-FIELDBLANK3-HO	492114-080	09/11/23 14:00	Wipe
230911-L-MEDBLANK3-HO	492114-081	09/11/23 15:12	Wipe

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Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 492114 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 09/12/23

This data package contains sample and QC results for eighty one wipe samples, requested for the above referenced project on 09/13/23. The samples were received cold and intact. Report reissued 9-27-2023 to revise sample ID names.

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

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

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 497124

Page: 1 of 6

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	AFRAME-C8W-MED-L2-HS-1-230911-P-G	9/11/2023	1305	WP	1	--	X		
2	AFRAME-C8W-MED-L2-HS-1-230911-P-DUP-G	9/11/2023	1305	WP	1	--	X		
3	AFRAME-C8W-MED-L2-HS-1-230911-L-G	9/11/2023	1305	WP	1	--		X	
4	AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-P-LA	9/11/2023	1350	WP	1	--	X		
5	AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-L-LA	9/11/2023	1350	WP	1	--		X	
6	AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-P-LA	9/11/2023	1330	WP	1	--	X		
7	AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-L-LA	9/11/2023	1330	WP	1	--		X	
8	AFRAME-C10W-MED-L2-HS-1-230911-P-G	9/11/2023	1340	WP	1	--	X		
9	AFRAME-C10W-MED-L2-HS-1-230911-L-G	9/11/2023	1340	WP	1	--		X	
10	AFRAME-C8W-MED-L2-INT-0.5 TO 1-230911-P-FB	9/11/2023	0920	WP	1	--	X		
11	AFRAME-C8W-MED-L2-INT-0.5 TO 1-230911-L-FB	9/11/2023	0920	WP	1	--		X	
12	AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-P-FB	9/11/2023	0930	WP	1	--	X		
13	AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-L-FB	9/11/2023	0930	WP	1	--		X	
14	AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-L-DUP-FB	9/11/2023	0930	WP	1	--		X	
15	AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-P-WF	9/11/2023	0944	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 5 Enclosure C/D (High Occupancy)

2x Rivet Type 1 = 0.0276ft2

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	9/12/23 / 1400
1 Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	9/12/23 14:00
2 Relinquished By:		JJP	Enthalpy	9.12.23 17:12
2 Received By:		JJP	Enthalpy	9.12.23 19:07
3 Relinquished By:				
3 Received By:	Deena Sylvestri	Deena Sylvestri	EA	9/13/23 10:38

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 492114

Page: 2 of 6

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-L-WF	9/11/2023	0944	WP	1	--		X	
17	AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-P-I	9/11/2023	1000	WP	1	--	X		
18	AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-L-I	9/11/2023	1000	WP	1	--		X	
19	AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-P-FB	9/11/2023	1015	WP	1	--	X		
20	AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-L-FB	9/11/2023	1015	WP	1	--		X	
21	AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-P-LA	9/11/2023	1030	WP	1	--	X		
22	AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-P-DUP-LA	9/11/2023	1030	WP	1	--	X		
23	AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-L-LA	9/11/2023	1030	WP	1	--		X	
24	AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-P-FB	9/11/2023	1045	WP	1	--	X		
25	AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-L-FB	9/11/2023	1045	WP	1	--		X	
26	AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-P-LA	9/11/2023	1110	WP	1	--	X		
27	AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-L-LA	9/11/2023	1110	WP	1	--		X	
28	AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-P-LA	9/11/2023	1055	WP	1	--	X		
29	AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-L-LA	9/11/2023	1055	WP	1	--		X	
30	AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-P-FB	9/11/2023	1120	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 5 Enclosure C/D (High Occupancy)

2x Rivet Type 2 = 0.0200 ft²

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TS Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/12/23 / 1400
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY "	9/12/23 14:00
[2] Relinquished By:	Audrey Hudson	"	"	9/12/23 17:17
[2] Received By:		JJP	Enthalpy	9.12.23 17:19
[3] Relinquished By:		JJP	Enthalpy	9.12.23 19:01
[3] Received By:	Geena Sylvester	Geena Sylvester	ENTHALPY	9/13/23 10:38

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 492174

Page: 3 of 6

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
31	AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-P-DUP-FB	9/11/2023	1120	WP	1	--	X		
32	AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-L-FB	9/11/2023	1120	WP	1	--		X	
33	AFRAME-C11W-MED-L2-EXT-0 TO 1-230911-P-WF	9/11/2023	1130	WP	1	--	X		
34	AFRAME-C11W-MED-L2-EXT-0 TO 1-230911-L-WF	9/11/2023	1130	WP	1	--		X	
35	AFRAME-C8W-LAT-L1-HS-3-230911-P-A	9/11/2023	1310	WP	1	--	X		
36	AFRAME-C8W-LAT-L1-HS-3-230911-L-A	9/11/2023	1310	WP	1	--		X	
37	AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-P-I	9/11/2023	1320	WP	1	--	X		
38	AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-L-I	9/11/2023	1320	WP	1	--		X	
39	AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-P-SS	9/11/2023	1325	WP	1	--	X		
40	AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-L-SS	9/11/2023	1325	WP	1	--		X	
41	AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-P-SS	9/11/2023	1335	WP	1	--	X		
42	AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-L-SS	9/11/2023	1335	WP	1	--		X	
43	AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-L-DUP-SS	9/11/2023	1335	WP	1	--		X	
44	AFRAME-C9W-LAT-L1-HS-3-230911-P-G	9/11/2023	0930	WP	1	--	X		
45	AFRAME-C9W-LAT-L1-HS-3-230911-L-G	9/11/2023	0930	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 5 Enclosure C/D (High Occupancy)

3x Rect Type 1 = 0.0414 ft²

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TKSinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/12/23 / 1400
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY "	9/12/23 14:00
[2] Relinquished By:	Audrey Hudson	"	"	9/12/23 17:12
[2] Received By:	JJP	JJP	Enthalpy	9.12.23 17:12
[3] Relinquished By:	Geena Sykes	Geena Sykes	Enthalpy E.A.	9.12.23 19:01
[3] Received By:				9/13/23 10:38

ENTHALPY ANALYTICAL

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

Chain of Custody Record COC ID: 492114
Page: 4 of 6

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

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
46	AFRAME-C9W-MED-L1-HS-3-230911-P-A	9/11/2023	0935	WP	1	--	X		
47	AFRAME-C9W-MED-L1-HS-3-230911-L-A	9/11/2023	0935	WP	1	--		X	
48	AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-P-SS	9/11/2023	1045	WP	1	--	X		
49	AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-L-SS	9/11/2023	1045	WP	1	--		X	
50	AFRAME-C10W-MED-L1-HS-3-230911-P-A	9/11/2023	1020	WP	1	--	X		
51	AFRAME-C10W-MED-L1-HS-3-230911-L-A	9/11/2023	1020	WP	1	--		X	
52	AFRAME-C10W-MED-L1-HS-3-230911-L-DUP-A	9/11/2023	1020	WP	1	--		X	
53	AFRAME-C11W-MED-L1-HS-3-230911-P-G	9/11/2023	1030	WP	1	--	X		
54	AFRAME-C11W-MED-L1-HS-3-230911-L-G	9/11/2023	1030	WP	1	--		X	
55	AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-P-WF	9/11/2023	1055	WP	1	--	X		
56	AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-L-WF	9/11/2023	1055	WP	1	--		X	
57	AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-P-FB	9/11/2023	1305	WP	1	--	X		
58	AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-L-FB	9/11/2023	1305	WP	1	--		X	
59	AFRAME-C8W-LAT-L1-UP-C8W-HS-230911-P-LA	9/11/2023	1320	WP	1	--	X		
60	AFRAME-C8W-LAT-L1-UP-C8W-HS-230911-L-LA	9/11/2023	1320	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 5 Enclosure C/D (High Occupancy)

8 x Rect Type 1 = 0.1104 ft²

1 x Rect Type 2 = 0.0100 ft²

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Env. Scientist	9/12/23 / 1400
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/12/23 1402
[2] Relinquished By:	Audrey Hudson	JJP	Enthalpy	9/12/23 17:12
[2] Received By:		JJP	Enthalpy	9.12.23 17:13
[3] Relinquished By:		Beena Sylvester	EA.	9.12.23 19:01
[3] Received By:	Beena Sylvester			9/13/23 10:58

ENTHALPY ANALYTICAL

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Chain of Custody Record

COC ID: 492114

Page: 5 of 6

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)

Turn Around Time (rush by advanced notice only)

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

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
61	AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-P-FB	9/11/2023	1355	WP	1	--	X		
62	AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-L-FB	9/11/2023	1355	WP	1	--		X	
63	AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-P-FB	9/11/2023	1410	WP	1	--	X		
64	AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-L-FB	9/11/2023	1410	WP	1	--		X	
65	AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-P-SS	9/11/2023	1335	WP	1	--	X		
66	AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-L-SS	9/11/2023	1335	WP	1	--		X	
67	AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-P-WF	9/11/2023	1340	WP	1	--	X		
68	AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-L-WF	9/11/2023	1340	WP	1	--		X	
69	AFRAME-C9W-MED-L1-DN-C9W-DG-230911-P-SS	9/11/2023	1345	WP	1	--	X		
70	AFRAME-C9W-MED-L1-DN-C9W-DG-230911-L-SS	9/11/2023	1345	WP	1	--		X	
71	AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-P-SS	9/11/2023	1405	WP	1	--	X		
72	AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-L-SS	9/11/2023	1405	WP	1	--		X	
73	230911-P-FIELDBLANK1-HO	9/11/2023	0955	WP	1	--	X		
74	230911-L-FIELDBLANK1-HO	9/11/2023	0955	WP	1	--		X	
75	230911-L-MEDBLANK1 - HO	9/11/2023	1511	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 5 Enclosure C/D (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	Tyler Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/12/23 / 1400
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY " "	9/12/23 14:00
2 Relinquished By:	Audrey Hudson		Enthalpy	9.12.23 17:12
2 Received By:			Enthalpy	9.12.23 17:12
3 Relinquished By:			E.A.	9.12.23 19:07
3 Received By:	Geena Sylvestri	Geena Sylvestri		9/13/23 10:38

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 492174

Page: 6 of 6

Turn Around Time (rush by advanced notice only)

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

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

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 5 Enclosure C/D (High Occupancy)

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
76	230911-P-FIELDBLANK2-HO	9/11/2023	1016	WP	1	--	X		
77	230911-L-FIELDBLANK2-HO	9/11/2023	1016	WP	1	--		X	
78	230911-L-MEDBLANK2 -HO	9/11/2023	1513	WP	1	--		X	
79	230911-P-FIELDBLANK3-HO	9/11/2023	1400	WP	1	--	X		
80	230911-L-FIELDBLANK3-HO	9/11/2023	1400	WP	1	--		X	
81	230911-L-MEDBLANK3 -HO	9/11/2023	1512	WP	1	--		X	
82									
83									
84									
85									
86									
87									
88									
89									
90									

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Tyler Smoth	Rincon / Env. Scientist	9/12/23 1400
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/12/23 14:00
[2] Relinquished By:	Audrey Hudson	"	"	9/12/23 17:12
[2] Received By:		JJP	Enthalpy	9.12.23 17:12
[3] Relinquished By:		JJP	Enthalpy	9.12.23 19:01
[3] Received By:		Geena Sylvestri	E.A.	9/13/23 10:38

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

SAMPLE RECEIPT CHECKLIST

ENTHALPY

Section 1: General Info

Date Received: 9/12/23 Login # 492114 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

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

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

Date Opened 9.12.23 By (print) JJP (sign) [signature]

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

If no cooler: Sample Temp (°C): _____

How many coolers? 2 Temp (°C): #1: 5.3 #2: 3.2 #3: _____ #4: _____ #5: _____ #6: _____

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

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

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

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

Preservative added:

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

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

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

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

Section 6: Explanations / Comments No custody seals found.

Date Logged 9.12.23 By (print) JP for MY (sign) [signature]

Date Labeled 9.12.23 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

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Hangar 1 - NCTRS WP

Date Received: 9/13/23

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: 6.0 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 5.6 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: SEP 13 2023

SOUTHWEST AIRLINES

Printed on:
12 SEP 19:50

526 OAK 9311 2106

SNA

PC# 3 OF 7 | DG G | LOT WT 240 LB (108.8 KG)

OAK WN 2648 13 SEP 07:25

STN FLT DATE ETD LOT 01

PC ID: 0003
PC WT: 34LB

526 93112106 0003

S

JJP
9.1223

TAM
EVID
TAI

6.0/5.6

[redacted]

1

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C8W-MED-L2-HS-1-230911-P-G **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-001 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Diln Fac: 1.000 **Analyzed:** 09/18/23

492114-001 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

492114-001 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	65	19-121

Field ID: AFRAME-C8W-MED-L2-HS-1-230911-P-DUP-G **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-002 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Diln Fac: 1.000 **Analyzed:** 09/18/23

492114-002 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-002 Surrogate	%REC	Limits
TCMX (PCB)	54	19-121
Decachlorobiphenyl (PCB)	59	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-P-LA **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-004 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-004 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

492114-004 Surrogate	%REC	Limits
TCMX (PCB)	56	19-121
Decachlorobiphenyl (PCB)	62	19-121

Field ID: AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-P-LA **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-006 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-006 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

492114-006 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C10W-MED-L2-HS-1-230911-P-G **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-008 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-008 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

492114-008 Surrogate	%REC	Limits
TCMX (PCB)	64	19-121
Decachlorobiphenyl (PCB)	68	19-121

Field ID: AFRAME-C8W-LAT-L2-INT-0.5 TO 1-230911-P-FB **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-010 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-010 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

492114-010 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	62	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-P-FB **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-012 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-012 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

492114-012 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	64	19-121

Field ID: AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-P-WF **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-015 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-015 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

492114-015 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	65	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-P-I **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-017 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Diln Fac: 1.000 **Analyzed:** 09/18/23

492114-017 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

492114-017 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	62	19-121

Field ID: AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-P-FB **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-019 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Diln Fac: 1.000 **Analyzed:** 09/18/23

492114-019 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

492114-019 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	66	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-P-LA **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-021 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-021 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

492114-021 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	64	19-121

Field ID: AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-P-DUP-LA **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-022 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-022 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-022 Surrogate	%REC	Limits
TCMX (PCB)	64	19-121
Decachlorobiphenyl (PCB)	68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-P-FB **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-024 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-024 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-024 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	63	19-121

Field ID: AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-P-LA **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-026 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-026 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-026 Surrogate	%REC	Limits
TCMX (PCB)	58	19-121
Decachlorobiphenyl (PCB)	62	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-P-LA **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-028 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-028 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-028 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	62	19-121

Field ID: AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-P-FB **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-030 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-030 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

492114-030 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	64	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-P-DUP-FB **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-031 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Diln Fac: 1.000 **Analyzed:** 09/18/23

492114-031 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

492114-031 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	65	19-121

Field ID: AFRAME-C11W-MED-L2-EXT-0 TO 1-230911-P-WF **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-033 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Diln Fac: 1.000 **Analyzed:** 09/18/23

492114-033 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

492114-033 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	69	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C8W-LAT-L1-HS-3-230911-P-A **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-035 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Dil'n Fac: 1.000 **Analyzed:** 09/18/23

492114-035 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

492114-035 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	70	19-121

Field ID: AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-P-I **Batch#:** 322531 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-037 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Dil'n Fac: 1.000 **Analyzed:** 09/18/23

492114-037 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-037 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-P-SS **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-039 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-039 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-039 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	68	19-121

Field ID: AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-P-SS **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-041 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-041 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-041 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-LAT-L1-HS-3-230911-P-G **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-044 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-044 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

492114-044 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	64	19-121

Field ID: AFRAME-C9W-MED-L1-HS-3-230911-P-LA **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-046 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-046 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

492114-046 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-P-SS **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-048 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-048 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

492114-048 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	73	19-121

Field ID: AFRAME-C10W-MED-L1-HS-3-230911-P-A **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-050 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-050 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-050 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	75	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C11W-MED-L1-HS-3-230911-P-G **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-053 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/18/23

492114-053 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

492114-053 Surrogate	%REC	Limits
TCMX (PCB)	70	19-121
Decachlorobiphenyl (PCB)	69	19-121

Field ID: AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-P-WF **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-055 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/19/23

492114-055 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

492114-055 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-P-FB **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-057 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/19/23

492114-057 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

492114-057 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	63	19-121

Field ID: AFRAME-C8W-LAT-L1-UP-C8W-HS-230911-P-LA **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-059 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/19/23

492114-059 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

492114-059 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	65	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-P-FB **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-061 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/19/23

492114-061 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

492114-061 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	69	19-121

Field ID: AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-P-FB **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-063 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/19/23

492114-063 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

492114-063 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	71	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-P-SS **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-065 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/19/23

492114-065 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-065 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	59	19-121

Field ID: AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-P-WF **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-067 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/19/23

492114-067 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-067 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-MED-L1-DN-C9W-DG-230911-P-SS **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-069 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/19/23

492114-069 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-069 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	65	19-121

Field ID: AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-P-SS **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-071 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

DiIn Fac: 1.000 **Analyzed:** 09/19/23

492114-071 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-071 Surrogate	%REC	Limits
TCMX (PCB)	58	19-121
Decachlorobiphenyl (PCB)	59	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: 230911-P-FIELDBLANK1-HO **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-073 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Dil n Fac: 1.000 **Analyzed:** 09/19/23

492114-073 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-073 Surrogate	%REC	Limits
TCMX (PCB)	58	19-121
Decachlorobiphenyl (PCB)	63	19-121

Field ID: 230911-P-FIELDBLANK2-HO **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-076 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Dil n Fac: 1.000 **Analyzed:** 09/19/23

492114-076 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-076 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	65	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Field ID: 230911-P-FIELDBLANK3-HO **Batch#:** 322533 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 8082

Lab ID: 492114-079 **Received:** 09/12/23 **Analyst:** MES

Matrix: Wipe **Prepared:** 09/16/23

Dil Fac: 1.000 **Analyzed:** 09/19/23

492114-079 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

492114-079 Surrogate	%REC	Limits
TCMX (PCB)	64	19-121
Decachlorobiphenyl (PCB)	68	19-121

Type: BLANK **Batch#:** 322531 **Analysis:** EPA 8082

Lab ID: QC1093982 **Prepared:** 09/16/23 **Analyst:** MES

Matrix: Wipe **Analyzed:** 09/18/23

Dil Fac: 1.000 **Prep:** EPA 3546

QC1093982 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1093982 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 492114 **Project#:** 20-10491

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

Type: BLANK **Batch#:** 322533 **Analysis:** EPA 8082

Lab ID: QC1093989 **Prepared:** 09/16/23 **Analyst:** MES

Matrix: Wipe **Analyzed:** 09/18/23

Dil'n Fac: 1.000 **Prep:** EPA 3546

QC1093989 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1093989 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	65	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 492114 **Project#:** 20-10491

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

Type: BS **Batch#:** 322531 **Analysis:** EPA 8082

Lab ID: QC1093983 **Prepared:** 09/16/23 **Analyst:** MES

Matrix: Wipe **Analyzed:** 09/18/23

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

QC1093983 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.634	73	60-140	ug/100 cm2
Aroclor-1260	5.000	3.612	72	60-140	ug/100 cm2

QC1093983 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	69	19-121

Type: BSD **Batch#:** 322531 **Analysis:** EPA 8082

Lab ID: QC1093984 **Prepared:** 09/16/23 **Analyst:** MES

Matrix: Wipe **Analyzed:** 09/18/23

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

QC1093984 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.031	81	60-140	ug/100 cm2	10	20
Aroclor-1260	5.000	4.025	81	60-140	ug/100 cm2	11	20

QC1093984 Surrogate	%REC	Limits
TCMX (PCB)	67	19-121
Decachlorobiphenyl (PCB)	76	19-121

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 492114 **Project#:** 20-10491

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

Type: BS **Batch#:** 322533 **Analysis:** EPA 8082

Lab ID: QC1093990 **Prepared:** 09/16/23 **Analyst:** MES

Matrix: Wipe **Analyzed:** 09/18/23

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

QC1093990 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.935	79	60-140	ug/100 cm2
Aroclor-1260	5.000	3.810	76	60-140	ug/100 cm2

QC1093990 Surrogate	%REC	Limits
TCMX (PCB)	64	19-121
Decachlorobiphenyl (PCB)	73	19-121

Type: BSD **Batch#:** 322533 **Analysis:** EPA 8082

Lab ID: QC1093991 **Prepared:** 09/16/23 **Analyst:** MES

Matrix: Wipe **Analyzed:** 09/18/23

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

QC1093991 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.942	79	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	3.764	75	60-140	ug/100 cm2	1	20

QC1093991 Surrogate	%REC	Limits
TCMX (PCB)	64	19-121
Decachlorobiphenyl (PCB)	73	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C8W-MED-L2-HS-1-230911-L-G **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-003 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/13/23

492114-003 Analyte	Result	RL	Units
Lead	**230**	0.50	ug/ft2

Field ID: AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-L-LA **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-005 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/13/23

492114-005 Analyte	Result	RL	Units
Lead	**120**	0.50	ug/ft2

Field ID: AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-L-LA **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-007 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/13/23

492114-007 Analyte	Result	RL	Units
Lead	**270**	0.50	ug/ft2

Field ID: AFRAME-C10W-MED-L2-HS-1-230911-L-G **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-009 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/13/23

492114-009 Analyte	Result	RL	Units
Lead	**200**	0.50	ug/ft2

Field ID: AFRAME-C8W-LAT-L2-INT-0.5 TO 1-230911-L-FB **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-011 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/13/23

492114-011 Analyte	Result	RL	Units
Lead	**73**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-L-FB **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-013 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-013 Analyte	Result	RL	Units
Lead	**24**	0.50	ug/ft2

Field ID: AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-L-DUP-FB **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-014 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-014 Analyte	Result	RL	Units
Lead	**20**	0.50	ug/ft2

Field ID: AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-L-WF **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-016 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-016 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-L-I **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-018 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-018 Analyte	Result	RL	Units
Lead	**65**	0.50	ug/ft2

Field ID: AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-L-FB **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-020 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-020 Analyte	Result	RL	Units
Lead	**56**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-L-LA **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-023 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-023 Analyte	Result	RL	Units
Lead	**39**	0.50	ug/ft2

Field ID: AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-L-FB **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-025 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-025 Analyte	Result	RL	Units
Lead	**18**	0.50	ug/ft2

Field ID: AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-L-LA **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-027 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-027 Analyte	Result	RL	Units
Lead	**47**	0.50	ug/ft2

Field ID: AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-L-LA **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-029 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-029 Analyte	Result	RL	Units
Lead	**82**	0.50	ug/ft2

Field ID: AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-L-FB **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-032 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-032 Analyte	Result	RL	Units
Lead	**97**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C11W-MED-L2-EXT-0 TO 1-230911-L-WF **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-034 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/13/23

492114-034 Analyte	Result	RL	Units
Lead	**90**	0.50	ug/ft2

Field ID: AFRAME-C8W-LAT-L1-HS-3-230911-L-A **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-036 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/13/23

492114-036 Analyte	Result	RL	Units
Lead	**140**	0.50	ug/ft2

Field ID: AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-L-I **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-038 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/13/23

492114-038 Analyte	Result	RL	Units
Lead	**53**	0.50	ug/ft2

Field ID: AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-L-SS **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-040 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/13/23

492114-040 Analyte	Result	RL	Units
Lead	**49**	0.50	ug/ft2

Field ID: AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-L-SS **Batch#:** 322274 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-042 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/13/23

492114-042 Analyte	Result	RL	Units
Lead	**33**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-L-DUP-SS **Batch#:** 322286 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-043 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-043 Analyte	Result	RL	Units
Lead	**31**	0.50	ug/ft2

Field ID: AFRAME-C9W-LAT-L1-HS-3-230911-L-G **Batch#:** 322286 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-045 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-045 Analyte	Result	RL	Units
Lead	**63**	0.50	ug/ft2

Field ID: AFRAME-C9W-MED-L1-HS-3-230911-L-LA **Batch#:** 322286 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-047 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-047 Analyte	Result	RL	Units
Lead	**77**	0.50	ug/ft2

Field ID: AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-L-SS **Batch#:** 322286 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-049 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-049 Analyte	Result	RL	Units
Lead	**54**	0.50	ug/ft2

Field ID: AFRAME-C10W-MED-L1-HS-3-230911-L-A **Batch#:** 322286 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-051 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/13/23

492114-051 Analyte	Result	RL	Units
Lead	**61**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C10W-MED-L1-HS-3-230911-L-DUP-A **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-052 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/14/23

492114-052 Analyte	Result	RL	Units
Lead	**51**	0.50	ug/ft2

Field ID: AFRAME-C11W-MED-L1-HS-3-230911-L-G **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-054 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/14/23

492114-054 Analyte	Result	RL	Units
Lead	**63**	0.50	ug/ft2

Field ID: AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-L-WF **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-056 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/14/23

492114-056 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Field ID: AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-L-FB **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-058 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/14/23

492114-058 Analyte	Result	RL	Units
Lead	**69**	0.50	ug/ft2

Field ID: AFRAME-C8W-LAT-L1-UP-C8W-HS-230911-L-LA **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-060 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Dln Fac: 1.000 **Analyzed:** 09/14/23

492114-060 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-L-FB **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-062 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-062 Analyte	Result	RL	Units
Lead	**53**	0.50	ug/ft2

Field ID: AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-L-FB **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-064 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-064 Analyte	Result	RL	Units
Lead	**85**	0.50	ug/ft2

Field ID: AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-L-SS **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-066 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-066 Analyte	Result	RL	Units
Lead	**88**	0.50	ug/ft2

Field ID: AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-L-WF **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-068 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-068 Analyte	Result	RL	Units
Lead	**120**	0.50	ug/ft2

Field ID: AFRAME-C9W-MED-L1-DN-C9W-DG-230911-L-SS **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-070 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-070 Analyte	Result	RL	Units
Lead	**140**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 492114 **Project#:** 20-10491

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

Field ID: AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-L-SS **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-072 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-072 Analyte	Result	RL	Units
Lead	**140**	0.50	ug/ft2

Field ID: 230911-L-FIELDBLANK1-HO **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-074 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-074 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 230911-L-MEDBLANK1-HO **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-075 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-075 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 230911-L-FIELDBLANK2-HO **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-077 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-077 Analyte	Result	RL	Units
Lead	**2.3**	0.50	ug/ft2

Field ID: 230911-L-MEDBLANK2-HO **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-078 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-078 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 492114 **Project#:** 20-10491

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

Field ID: 230911-L-FIELDBLANK3-HO **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-080 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-080 Analyte	Result	RL	Units
Lead	**1.9**	0.50	ug/ft2

Field ID: 230911-L-MEDBLANK3-HO **Batch#:** 322287 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/11/23 **Analysis:** EPA 6010B
Lab ID: 492114-081 **Received:** 09/12/23 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/13/23
Diln Fac: 1.000 **Analyzed:** 09/14/23

492114-081 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK **Batch#:** 322274 **Analysis:** EPA 6010B
Lab ID: QC1093220 **Prepared:** 09/13/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/13/23
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1093220 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK **Batch#:** 322286 **Analysis:** EPA 6010B
Lab ID: QC1093254 **Prepared:** 09/13/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/13/23
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1093254 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK **Batch#:** 322287 **Analysis:** EPA 6010B
Lab ID: QC1093257 **Prepared:** 09/13/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/14/23
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1093257 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 492114 **Project#:** 20-10491

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

Type: BS **Batch#:** 322274 **Analysis:** EPA 6010B
Lab ID: QC1093221 **Prepared:** 09/13/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/13/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1093221 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	50.96	102	80-120	ug/ft2

Type: BS **Batch#:** 322286 **Analysis:** EPA 6010B
Lab ID: QC1093255 **Prepared:** 09/13/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/13/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1093255 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	47.60	95	80-120	ug/ft2

Type: BS **Batch#:** 322287 **Analysis:** EPA 6010B
Lab ID: QC1093258 **Prepared:** 09/13/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/14/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1093258 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	49.66	99	80-120	ug/ft2

Type: BSD **Batch#:** 322274 **Analysis:** EPA 6010B
Lab ID: QC1093222 **Prepared:** 09/13/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/13/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1093222 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	50.03	100	80-120	ug/ft2	2	20

Type: BSD **Batch#:** 322286 **Analysis:** EPA 6010B
Lab ID: QC1093256 **Prepared:** 09/13/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/13/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1093256 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	47.32	95	80-120	ug/ft2	1	20

Type: BSD **Batch#:** 322287 **Analysis:** EPA 6010B
Lab ID: QC1093259 **Prepared:** 09/13/23 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/14/23
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1093259 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	49.98	100	80-120	ug/ft2	1	20

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 492114 **Project#:** 20-10491

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

Legend

RPD: Relative Percent Difference

Attachment 4

ProUCL Input and Output Files

Sample ID	LeadResults	d_LeadResults
AFRAME-C8W-LAT-L3-EXT-1 TO 2-230911-WF	120	1
AFRAME-C8W-LAT-L3-UP-C8.1-DG-230911-LA	130	1
AFRAME-C9W-LAT-L3-EXT-1 TO 2-230911-DUP-WF	310	1
AFRAME-C9W-LAT-L3-UP-C9.4-VS-230911-LA	210	1
AFRAME-C9W-MED-L3-UP-C9.7-DG-230911-LA	130	1
AFRAME-C8W-LAT-L3-UP-C8.6-HS-230911-LA	81	1
AFRAME-C8W-MED-L3-UP-C8.4-DG-230911-LA	100	1
AFRAME-C9W-LAT-L3-UP-C9.1-HS-230911-LA	73	1
AFRAME-C11W-LAT-L3-EXT-0 TO 1-230911-DUP-WF	290	1
AFRAME-C8W-MED-L3-DN-C8.7-DG-230911-LA	120	1
AFRAME-C8W-MED-L2-HS-1-230911-G	230	1
AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-LA	120	1
AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-LA	270	1
AFRAME-C10W-MED-L2-HS-1-230911-G	200	1
AFRAME-C8W-LAT-L2-INT-0.5 TO 1-230911-FB	73	1
AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-FB	24	1
AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-WF	130	1
AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-I	65	1
AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-FB	56	1
AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-LA	39	1
AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-FB	18	1
AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-LA	47	1
AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-LA	82	1
AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-FB	97	1
AFRAME-C11W-MED-L2-EXT-0 TO 1-230911-WF	90	1
AFRAME-C8W-LAT-L1-HS-3-230911-A	140	1
AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-I	53	1
AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-SS	49	1
AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-SS	33	1
AFRAME-C9W-LAT-L1-HS-3-230911-G	63	1
AFRAME-C9W-MED-L1-HS-3-230911-LA	77	1
AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-SS	54	1
AFRAME-C10W-MED-L1-HS-3-230911-A	61	1
AFRAME-C11W-MED-L1-HS-3-230911-G	63	1
AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-WF	110	1
AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-FB	69	1
AFRAME-C8W-LAT-L1-UP-C8W-HS-230911-LA	110	1
AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-FB	53	1
AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-FB	85	1
AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-SS	88	1

Sample ID	LeadResults	d_LeadResults
AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-WF	120	1
AFRAME-C9W-MED-L1-DN-C9W-DG-230911-SS	140	1
AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-SS	140	1
AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-WF	490	1
AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-I	210	1
AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-FB	240	1
AFRAME-C9E-MED-L3-DN-C9.2-DG-231023-LA	180	1
AFRAME-C10E-MED-L2-HS-1-231023-G	210	1
AFRAME-C8E-LAT-L2-INT-0.5 TO 1-231023-FB	200	1
AFRAME-C8E-LAT-L2-UP-C8.1-VS-231023-I	210	1
AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-DUP-WF	190	1
AFRAME-C9E-LAT-L2-INT-0.5 TO 1-231023-FB	320	1
AFRAME-C11E-MED-L2-INT-0.5 TO 1-231023-FB	270	1
AFRAME-C8E-MED-L2-DN-C8.2-DG-231023-LA	340	1
AFRAME-C9E-MED-L2-DN-C9.5-DG-231023-LA	570	1
AFRAME-C10E-MED-L2-INT-0 TO 0.5-231023-FB	570	1
AFRAME-C11E-MED-L2-EXT-0 TO 1-231023-WF	630	1
AFRAME-C8E-MED-L1-UP-C8.1-DG-231023-SS	230	1
AFRAME-C8E-MED-L1-EXT-2 TO 3-231023-WF	580	1
AFRAME-C8E-LAT-L1-INT-1 TO 2-231023-FB	530	1
AFRAME-C8E-LAT-L1-HS-3-231024-A	220	1
AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-SS	120	1
AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-LA	60	1
AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-WF	42	1
AFRAME-C8E-MED-L2-HS-1-231024-G	51	1
AFRAME-C9E-LAT-L3-DN-C9.5-DG-231024-LA	91	1
AFRAME-C8E-MED-L1-UP-C8.6-DG-231024-SS	280	1
AFRAME-C9E-LAT-L1-HS-3-231024-A	180	1
AFRAME-C9E-LAT-L1-UP-C9.7-VS-231024-I	32	1
AFRAME-C10E-LAT-L1-HS-3-231024-A	220	1
AFRAME-C11E-MED-L1-HS-3-231024-A	180	1
AFRAME-C9E-MED-L1-UP-C9E-DG-231024-LA	560	1
AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-DUP-FB	120	1
AFRAME-C11E-LAT-L1-INT-1 TO 2-231024-FB	140	1
AFRAME-C8E-MED-L1-DN-C8.7-DG-231024-SS	36	1
AFRAME-C9E-MED-L1-EXT-0 TO 1-231024-WF	99	1
AFRAME-C9E-MED-L1-DN-C9.7-DG-231024-SS	160	1
AFRAME-C9E-MED-L1-DN-C9E-DG-231024-SS	110	1
AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-WF	34	1
AFRAME-C9E-MED-L3-UP-C9.7-DG-231024-LA	130	1

Sample ID	LeadResults	d_LeadResults
AFRAME-C8E-MED-L3-UP-C8.4-DG-231024-LA	110	1
AFRAME-C9E-LAT-L3-UP-C9.1-HS-231024-LA	110	1
AFRAME-C8E-MED-L3-DN-C8.7-DG-231024-LA	37	1
AFRAME-C9E-LAT-L1-UP-C9.1-VS-231024-I	26	1
AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-LA	52	1
AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-LA	73	1

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 5
ProUCL Lead Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 4/8/2024 8:43:03 AM
From File	Z5_HO_Lead_UCL_Input_20240405.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LeadResults

General Statistics			
Total Number of Observations	86	Number of Distinct Observations	57
		Number of Missing Observations	0
Minimum	18	Mean	161.1
Maximum	630	Median	120
SD	142.6	Std. Error of Mean	15.38
Coefficient of Variation	0.885	Skewness	1.825

Normal GOF Test		
Shapiro Wilk Test Statistic	0.772	**Shapiro Wilk GOF Test**
1% Shapiro Wilk P Value	0	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.21	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.111	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	186.7	95% Adjusted-CLT UCL (Chen-1995)	189.6
		95% Modified-t UCL (Johnson-1978)	187.2

Gamma GOF Test		
A-D Test Statistic	1.144	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.768	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.118	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.098	Data Not Gamma Distributed at 5% Significance Level
Data Not Gamma Distributed at 5% Significance Level		

Gamma Statistics			
k hat (MLE)	1.693	k star (bias corrected MLE)	1.642
Theta hat (MLE)	95.17	Theta star (bias corrected MLE)	98.15
nu hat (MLE)	291.2	nu star (bias corrected)	282.3
MLE Mean (bias corrected)	161.1	MLE Sd (bias corrected)	125.8
		Approximate Chi Square Value (0.05)	244.4
Adjusted Level of Significance	0.0472	Adjusted Chi Square Value	243.8

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 5
ProUCL Lead Output File

Assuming Gamma Distribution			
95% Approximate Gamma UCL	186.1	95% Adjusted Gamma UCL	186.6

Lognormal GOF Test		
Shapiro Wilk Test Statistic	0.973	**Shapiro Wilk Lognormal GOF Test**
10% Shapiro Wilk P Value	0.287	Data appear Lognormal at 10% Significance Level
Lilliefors Test Statistic	0.0617	**Lilliefors Lognormal GOF Test**
10% Lilliefors Critical Value	0.0876	Data appear Lognormal at 10% Significance Level
Data appear Lognormal at 10% Significance Level		

Lognormal Statistics			
Minimum of Logged Data	2.89	Mean of logged Data	4.759
Maximum of Logged Data	6.446	SD of logged Data	0.809

Assuming Lognormal Distribution			
95% H-UCL	194	90% Chebyshev (MVUE) UCL	208.8
95% Chebyshev (MVUE) UCL	230.4	97.5% Chebyshev (MVUE) UCL	260.5
99% Chebyshev (MVUE) UCL	319.5		

Nonparametric Distribution Free UCL Statistics
Data appear to follow a Discernible Distribution

Nonparametric Distribution Free UCLs			
95% CLT UCL	186.4	95% BCA Bootstrap UCL	189.7
95% Standard Bootstrap UCL	186.8	95% Bootstrap-t UCL	192.5
95% Hall's Bootstrap UCL	191.2	95% Percentile Bootstrap UCL	187.3
90% Chebyshev(Mean, Sd) UCL	207.2	95% Chebyshev(Mean, Sd) UCL	228.1
97.5% Chebyshev(Mean, Sd) UCL	257.1	99% Chebyshev(Mean, Sd) UCL	314.1

Suggested UCL to Use			
95% H-UCL	194		

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 5
ProUCL PCBs Input File

Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	d_Aroclor 1016	d_Aroclor 1221	d_Aroclor 1232	d_Aroclor 1242	d_Aroclor 1248	d_Aroclor 1254	d_Aroclor 1260	d_Aroclor 1262	d_Aroclor 1268
AFRAME-C8W-LAT-L3-EXT-1 TO 2-230911-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-LAT-L3-UP-C8.1-DG-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-LAT-L3-EXT-1 TO 2-230911-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-LAT-L3-UP-C9.4-VS-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-MED-L3-UP-C9.7-DG-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-LAT-L3-UP-C8.6-HS-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-MED-L3-UP-C8.4-DG-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-LAT-L3-UP-C9.1-HS-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C11W-LAT-L3-EXT-0 TO 1-230911-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-MED-L3-DN-C8.7-DG-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-MED-L2-HS-1-230911-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C10W-MED-L2-HS-1-230911-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-LAT-L2-INT-0.5 TO 1-230911-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-I	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C11W-MED-L2-EXT-0 TO 1-230911-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-LAT-L1-HS-3-230911-A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-I	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-SS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-MED-L1-UP-C8.6-DG-230911-SS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-LAT-L1-HS-3-230911-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-MED-L1-HS-3-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-SS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C10W-MED-L1-HS-3-230911-A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C11W-MED-L1-HS-3-230911-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-LAT-L1-UP-C8W-HS-230911-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-SS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9W-MED-L1-DN-C9W-DG-230911-SS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0

Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	d_Aroclor 1016	d_Aroclor 1221	d_Aroclor 1232	d_Aroclor 1242	d_Aroclor 1248	d_Aroclor 1254	d_Aroclor 1260	d_Aroclor 1262	d_Aroclor 1268
AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-SS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-I	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8E-LAT-L1-HS-3-231024-A	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-SS	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8E-MED-L2-HS-1-231024-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0

UCL Statistics for Data Sets with Non-Detects	
User Selected Options	
Date/Time of Computation	ProUCL 5.2 11/20/2023 3:51:08 PM
From File	Z5_HO_PCB_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Aroclor 1016

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	53
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A
Warning: This data set only has 0 observations!			
Data set is too small to compute reliable and meaningful statistics and estimates!			
The data set for variable Aroclor 1016 was not processed!			
It is suggested to collect at least 8 to 10 observations before using these statistical methods!			
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.			

Aroclor 1221

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	53
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A
Warning: This data set only has 0 observations!			
Data set is too small to compute reliable and meaningful statistics and estimates!			
The data set for variable Aroclor 1221 was not processed!			
It is suggested to collect at least 8 to 10 observations before using these statistical methods!			
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.			

Aroclor 1232

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	53
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1232 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1242

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	53
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1242 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1248

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	53
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1248 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1254

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	53
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1254 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1260

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	53
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1260 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1262

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	53
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1262 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1268

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	53
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A
Warning: This data set only has 0 observations!			
Data set is too small to compute reliable and meaningful statistics and estimates!			
The data set for variable Aroclor 1268 was not processed!			
It is suggested to collect at least 8 to 10 observations before using these statistical methods!			
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.			

Attachment 5

Data Validation Reports

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

April 10, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on October 5, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #57638_RV2:

SDG #	**Fraction**
491224, 491258, 492059, 492110, 492114	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

287 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 57638 (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	491224	10/05/23	10/26/23	0	12	0	12																												
B	491258	10/05/23	10/26/23	0	20	0	22																												
C	492059	10/05/23	10/26/23	0	12	0	12																												
D	492110	10/05/23	10/26/23	0	22	0	23																												
E	492114	10/05/23	10/26/23	0	39	0	42																												
Total	TR/PG			0	105	0	111	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	216

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\57638ST-Wipe.wpd

LDC Report# 57638

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

491224
491258
492059
492110
492114

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 5.

October 19, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the August through September 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 Environmental Protection Agency (EPA) SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

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

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.
Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
Six field blanks were collected and analyzed. No contaminants were found.

6010B
Six field blanks and six media blanks were collected and analyzed. Four field blanks had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the field blanks and were not qualified. The details are presented in Enclosure I.

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
Ten field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Ten field duplicate pairs were collected and analyzed. Ten field duplicate pairs had detections for lead. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

eviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

lient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
ab Reporting Batch: 491224							
ethod: 6010B							
RCH-C10W-DG-1.5 TO 230828-L-DUP-FB	491224-010	WIPE	FD	3050B		8/28/2023 7:55:00 AM	S3VEM
RCH-C10W-DG-1.5 TO 230828-L-FB	491224-009	WIPE	N	3050B		8/28/2023 7:55:00 AM	S3VEM
RCH-C10W-PS-2.5-230828-G	491224-024	WIPE	N	3050B		8/28/2023 9:30:00 AM	S3VEM
RCH-C11W-INT-1.5 TO 5-230828-L-WF	491224-017	WIPE	N	3050B		8/28/2023 8:45:00 AM	S3VEM
RCH-C8W-DG-1.5 TO 2-DN-3.7-VS-230828-L-LA	491224-007	WIPE	N	3050B		8/28/2023 8:10:00 AM	S3VEM
RCH-C8W-DG-2.5 TO 3-UP-3.6-HS-230828-L-LA	491224-022	WIPE	N	3050B		8/28/2023 9:15:00 AM	S3VEM
RCH-C8W-EXT-1 TO 230828-L-WF	491224-002	WIPE	N	3050B		8/28/2023 7:30:00 AM	S3VEM
RCH-C8W-PS-2.5-230828-L-	491224-019	WIPE	N	3050B		8/28/2023 9:00:00 AM	S3VEM
RCH-C9W-DG-2 TO 5-230828-L-FB	491224-012	WIPE	N	3050B		8/28/2023 8:25:00 AM	S3VEM
RCH-C9W-DG-2 TO 2.5-UP-3.1-HS-230828-L-LA	491224-015	WIPE	N	3050B		8/28/2023 8:30:00 AM	S3VEM
RCH-C9W-EXT-1 TO 230828-L-DUP-WF	491224-005	WIPE	FD	3050B		8/28/2023 7:40:00 AM	S3VEM
RCH-C9W-EXT-1 TO 230828-L-WF	491224-004	WIPE	N	3050B		8/28/2023 7:40:00 AM	S3VEM
ethod: 8082							
RCH-C10W-DG-1.5 TO 230828-P-FB	491224-008	WIPE	N		3546	8/28/2023 7:55:00 AM	S3VEM
RCH-C10W-PS-2.5-230828-G	491224-023	WIPE	N		3546	8/28/2023 9:30:00 AM	S3VEM
RCH-C11W-INT-1.5 TO 5-230828-P-WF	491224-016	WIPE	N		3546	8/28/2023 8:45:00 AM	S3VEM
RCH-C8W-DG-1.5 TO 2-DN-3.7-VS-230828-P-LA	491224-006	WIPE	N		3546	8/28/2023 8:10:00 AM	S3VEM
RCH-C8W-DG-2.5 TO 3-UP-3.6-HS-230828-P-DUP-LA	491224-021	WIPE	FD		3546	8/28/2023 9:15:00 AM	S3VEM
RCH-C8W-DG-2.5 TO 3-UP-3.6-HS-230828-P-LA	491224-020	WIPE	N		3546	8/28/2023 9:15:00 AM	S3VEM
RCH-C8W-EXT-1 TO 230828-P-WF	491224-001	WIPE	N		3546	8/28/2023 7:30:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

eviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

lient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
ethod: 8082						
RCH-C8W-PS-2.5-230828-P-	491224-018	WIPE	N	3546	8/28/2023 9:00:00 AM	S3VEM
RCH-C9W-DG-2 TO 5-230828-P-FB	491224-011	WIPE	N	3546	8/28/2023 8:25:00 AM	S3VEM
RCH-C9W-DG-2 TO 2.5-UP-).1-HS-230828-P-DUP-LA	491224-014	WIPE	FD	3546	8/28/2023 8:30:00 AM	S3VEM
RCH-C9W-DG-2 TO 2.5-UP-).1-HS-230828-P-LA	491224-013	WIPE	N	3546	8/28/2023 8:30:00 AM	S3VEM
RCH-C9W-EXT-1 TO 230828-P-WF	491224-003	WIPE	N	3546	8/28/2023 7:40:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

eviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

lient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
ab Reporting Batch: 491258						
ethod: 6010B						
0828-L-FIELDBLANK1-LO	491258-038	WIPE	FB	3050B	8/28/2023 7:20:00 AM	S2AVE
0828-L-FIELDBLANK2-LO	491258-041	WIPE	FB	3050B	8/28/2023 7:40:00 AM	S2AVE
0828-L-MEDBLANK1	491258-039	WIPE	FB	3050B	8/28/2023 12:00:00 PM	S2AVE
0828-L-MEDBLANK2	491258-042	WIPE	FB	3050B	8/28/2023 12:05:00 PM	S2AVE
CH-C10W-DG-5 TO -230828-L-FB	491258-036	WIPE	N	3050B	8/28/2023 10:45:00 AM	S2AVE
CH-C10W-INT-2.5 TO -230828-L-DUP-WF	491258-010	WIPE	FD	3050B	8/28/2023 8:05:00 AM	S2AVE
CH-C10W-INT-2.5 TO -230828-L-WF	491258-009	WIPE	N	3050B	8/28/2023 8:05:00 AM	S2AVE
CH-C11W-PS-4.5-230828-	491258-027	WIPE	N	3050B	8/28/2023 9:55:00 AM	S2AVE
CH-C8W-DG-3 TO -230828-L-FB	491258-003	WIPE	N	3050B	8/28/2023 9:45:00 AM	S2AVE
CH-C8W-DG-4 TO 4.5-UP-.5-DG-230828-L-LA	491258-015	WIPE	N	3050B	8/28/2023 8:25:00 AM	S2AVE
CH-C8W-DG-4.5 TO 230828-L-FB	491258-022	WIPE	N	3050B	8/28/2023 9:45:00 AM	S2AVE
CH-C8W-DG-4.5 TO 5-UP-.4-DG-230828-L-DUP-LA	491258-025	WIPE	FD	3050B	8/28/2023 9:25:00 AM	S2AVE
CH-C8W-DG-4.5 TO 5-UP-.4-DG-230828-L-LA	491258-024	WIPE	N	3050B	8/28/2023 9:25:00 AM	S2AVE
CH-C8W-DG-5 TO 5.5-UP-.3-DG-230828-L-LA	491258-033	WIPE	N	3050B	8/28/2023 10:20:00 AM	S2AVE
CH-C9W-DG-3 TO 3.5-UP-.2-DG-230828-L-LA	491258-005	WIPE	N	3050B	8/28/2023 9:55:00 AM	S2AVE
CH-C9W-DG-4 TO -230828-L-DUP-FB	491258-018	WIPE	FD	3050B	8/28/2023 8:55:00 AM	S2AVE
CH-C9W-DG-4 TO -230828-L-FB	491258-017	WIPE	N	3050B	8/28/2023 8:55:00 AM	S2AVE
CH-C9W-DG-4 TO 4.5-DN-.4-VS-230828-L-LA	491258-020	WIPE	N	3050B	8/28/2023 9:10:00 AM	S2AVE
CH-C9W-DG-4 TO 4.5-UP-.3-DG-230828-L-LA	491258-012	WIPE	N	3050B	8/28/2023 8:40:00 AM	S2AVE
CH-C9W-DG-5 TO 5.5-UP-.5-DG-230828-L-LA	491258-031	WIPE	N	3050B	8/28/2023 10:30:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

eviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

lient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
ethod: 6010B						
RCH-C9W-INT-4.5 TO 5-230828-L-WF	491258-029	WIPE	N	3050B	8/28/2023 10:05:00 AM	S2AVE
RCH-C9W-PS-3.5-230828-L-	491258-007	WIPE	N	3050B	8/28/2023 7:35:00 AM	S2AVE
ethod: 8082						
0828-P-FIELDBLANK1-LO	491258-037	WIPE	FB	3546	8/28/2023 7:20:00 AM	S2AVE
0828-P-FIELDBLANK2-LO	491258-040	WIPE	FB	3546	8/28/2023 7:40:00 AM	S2AVE
RCH-C10W-DG-5 TO 5-230828-P-DUP-FB	491258-035	WIPE	FD	3546	8/28/2023 10:45:00 AM	S2AVE
RCH-C10W-DG-5 TO 5-230828-P-FB	491258-034	WIPE	N	3546	8/28/2023 10:45:00 AM	S2AVE
RCH-C10W-INT-2.5 TO 5-230828-P-WF	491258-008	WIPE	N	3546	8/28/2023 8:05:00 AM	S2AVE
RCH-C11W-PS-4.5-230828-G	491258-026	WIPE	N	3546	8/28/2023 9:55:00 AM	S2AVE
RCH-C8W-DG-3 TO 5-230828-P-DUP-FB	491258-002	WIPE	FD	3546	8/28/2023 9:45:00 AM	S2AVE
RCH-C8W-DG-3 TO 5-230828-P-FB	491258-001	WIPE	N	3546	8/28/2023 9:45:00 AM	S2AVE
RCH-C8W-DG-4 TO 4.5-UP-3.5-DG-230828-P-DUP-LA	491258-014	WIPE	FD	3546	8/28/2023 8:25:00 AM	S2AVE
RCH-C8W-DG-4 TO 4.5-UP-3.5-DG-230828-P-LA	491258-013	WIPE	N	3546	8/28/2023 8:25:00 AM	S2AVE
RCH-C8W-DG-4.5 TO 230828-P-FB	491258-021	WIPE	N	3546	8/28/2023 9:45:00 AM	S2AVE
RCH-C8W-DG-4.5 TO 5-UP-8.4-DG-230828-P-LA	491258-023	WIPE	N	3546	8/28/2023 9:25:00 AM	S2AVE
RCH-C8W-DG-5 TO 5.5-UP-8.3-DG-230828-P-LA	491258-032	WIPE	N	3546	8/28/2023 10:20:00 AM	S2AVE
RCH-C9W-DG-3 TO 3.5-UP-9.2-DG-230828-P-LA	491258-004	WIPE	N	3546	8/28/2023 9:55:00 AM	S2AVE
RCH-C9W-DG-4 TO 5-230828-P-FB	491258-016	WIPE	N	3546	8/28/2023 8:55:00 AM	S2AVE
RCH-C9W-DG-4 TO 4.5-DN-9.4-VS-230828-P-LA	491258-019	WIPE	N	3546	8/28/2023 9:10:00 AM	S2AVE
RCH-C9W-DG-4 TO 4.5-UP-9.3-DG-230828-P-LA	491258-011	WIPE	N	3546	8/28/2023 8:40:00 AM	S2AVE
RCH-C9W-DG-5 TO 5.5-UP-9.5-DG-230828-P-LA	491258-030	WIPE	N	3546	8/28/2023 10:30:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

eviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

ient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
ethod: 8082						
:CH-C9W-INT-4.5 TO -230828-P-WF	491258-028	WIPE	N	3546	8/28/2023 10:05:00 AM	S2AVE
:CH-C9W-PS-3.5-230828-P-	491258-006	WIPE	N	3546	8/28/2023 7:35:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

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: 492059							
Method: 6010B							
\FRAME-C11W-LAT-L3-EXT-0 TO 1-230911-L-DUP-WF	492059-022	WIPE	FD	3050B		9/11/2023 10:50:00 AM	S3VEM
\FRAME-C11W-LAT-L3-EXT-0 TO 1-230911-L-WF	492059-021	WIPE	N	3050B		9/11/2023 10:50:00 AM	S3VEM
\FRAME-C8W-LAT-L3-EXT-1 TO 2-230911-L-WF	492059-002	WIPE	N	3050B		9/11/2023 9:15:00 AM	S3VEM
\FRAME-C8W-LAT-L3-UP-C8.1-DG-230911-L-LA	492059-004	WIPE	N	3050B		9/11/2023 9:25:00 AM	S3VEM
\FRAME-C8W-LAT-L3-UP-C8.6-HS-230911-L-LA	492059-014	WIPE	N	3050B		9/11/2023 10:30:00 AM	S3VEM
\FRAME-C8W-MED-L3-DN-C8.7-DG-230911-L-LA	492059-024	WIPE	N	3050B		9/11/2023 1:20:00 PM	S3VEM
\FRAME-C8W-MED-L3-UP-C8.4-DG-230911-L-LA	492059-017	WIPE	N	3050B		9/11/2023 10:20:00 AM	S3VEM
\FRAME-C9W-LAT-L3-EXT-1 TO 2-230911-L-DUP-WF	492059-007	WIPE	FD	3050B		9/11/2023 9:35:00 AM	S3VEM
\FRAME-C9W-LAT-L3-EXT-1 TO 2-230911-L-WF	492059-006	WIPE	N	3050B		9/11/2023 9:35:00 AM	S3VEM
\FRAME-C9W-LAT-L3-UP-C9.1-HS-230911-L-LA	492059-019	WIPE	N	3050B		9/11/2023 10:40:00 AM	S3VEM
\FRAME-C9W-LAT-L3-UP-C9.4-VS-230911-L-LA	492059-009	WIPE	N	3050B		9/11/2023 10:00:00 AM	S3VEM
\FRAME-C9W-MED-L3-UP-C9.7-DG-230911-L-LA	492059-012	WIPE	N	3050B		9/11/2023 10:10:00 AM	S3VEM
Method: 8082							
\FRAME-C11W-LAT-L3-EXT-0 TO 1-230911-P-WF	492059-020	WIPE	N		3546	9/11/2023 10:50:00 AM	S3VEM
\FRAME-C8W-LAT-L3-EXT-1 TO 2-230911-P-WF	492059-001	WIPE	N		3546	9/11/2023 9:15:00 AM	S3VEM
\FRAME-C8W-LAT-L3-UP-C8.1-DG-230911-P-LA	492059-003	WIPE	N		3546	9/11/2023 9:25:00 AM	S3VEM
\FRAME-C8W-LAT-L3-UP-C8.6-HS-230911-P-LA	492059-013	WIPE	N		3546	9/11/2023 10:30:00 AM	S3VEM
\FRAME-C8W-MED-L3-DN-C8.7-DG-230911-P-LA	492059-023	WIPE	N		3546	9/11/2023 1:20:00 PM	S3VEM
\FRAME-C8W-MED-L3-UP-C8.4-DG-230911-P-DUP-LA	492059-016	WIPE	FD		3546	9/11/2023 10:20:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
FRAME-C8W-MED-L3-UP-8.4-DG-230911-P-LA	492059-015	WIPE	N	3546	9/11/2023 10:20:00 AM	S3VEM
FRAME-C9W-LAT-L3-EXT-10 2-230911-P-WF	492059-005	WIPE	N	3546	9/11/2023 9:35:00 AM	S3VEM
FRAME-C9W-LAT-L3-UP-9.1-HS-230911-P-LA	492059-018	WIPE	N	3546	9/11/2023 10:40:00 AM	S3VEM
FRAME-C9W-LAT-L3-UP-9.4-VS-230911-P-LA	492059-008	WIPE	N	3546	9/11/2023 10:00:00 AM	S3VEM
FRAME-C9W-MED-L3-UP-9.7-DG-230911-P-DUP-LA	492059-011	WIPE	FD	3546	9/11/2023 10:10:00 AM	S3VEM
FRAME-C9W-MED-L3-UP-9.7-DG-230911-P-LA	492059-010	WIPE	N	3546	9/11/2023 10:10:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

eviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

lient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
ab Reporting Batch: 492110						
ethod: 6010B						
0911-L-FIELDBLANK3-LO	492110-044	WIPE	FB	3050B	9/11/2023 9:15:00 AM	S2AVE
0911-L-MEDBLANK3-LO	492110-045	WIPE	FB	3050B	9/11/2023 3:16:00 PM	S2AVE
RCH-C10W-PS-5.5-230911-G	492110-006	WIPE	N	3050B	9/11/2023 8:15:00 AM	S2AVE
RCH-C11W-DG-6 TO 5-230911-L-FB	492110-018	WIPE	N	3050B	9/11/2023 8:00:00 AM	S2AVE
RCH-C11W-EXT-8 TO 230911-L-WF	492110-042	WIPE	N	3050B	9/11/2023 9:00:00 AM	S2AVE
RCH-C11W-PS-6.5-230911-G	492110-024	WIPE	N	3050B	9/11/2023 8:35:00 AM	S2AVE
RCH-C8W-DG-5 TO 5.5-DN-3.2-VS-230911-L-LA	492110-004	WIPE	N	3050B	9/11/2023 8:00:00 AM	S2AVE
RCH-C8W-DG-6 TO 6.5-UP-3.1-HS-230911-L-LA	492110-014	WIPE	N	3050B	9/11/2023 9:10:00 AM	S2AVE
RCH-C8W-DG-6.5 TO 7-DN-3W-DG-230911-L-LA	492110-020	WIPE	N	3050B	9/11/2023 8:15:00 AM	S2AVE
RCH-C8W-DG-7 TO 5-230911-L-FB	492110-030	WIPE	N	3050B	9/11/2023 7:45:00 AM	S2AVE
RCH-C8W-DG-7 TO 7.5-UP-3.7-DG-230911-L-LA	492110-028	WIPE	N	3050B	9/11/2023 9:00:00 AM	S2AVE
RCH-C8W-DG-7.5 TO 8-DN-3.6-VS-230911-L-LA	492110-034	WIPE	N	3050B	9/11/2023 8:10:00 AM	S2AVE
RCH-C8W-EXT-6 TO 230911-L-WF	492110-012	WIPE	N	3050B	9/11/2023 8:55:00 AM	S2AVE
RCH-C8W-INT-6.5 TO 230911-L-WF	492110-026	WIPE	N	3050B	9/11/2023 8:50:00 AM	S2AVE
RCH-C8W-INT-7.5 TO 230911-L-WF	492110-040	WIPE	N	3050B	9/11/2023 8:50:00 AM	S2AVE
RCH-C8W-PS-5.5-230911-L-	492110-002	WIPE	N	3050B	9/11/2023 7:45:00 AM	S2AVE
RCH-C9W-DG-5.5 TO 230911-L-FB	492110-008	WIPE	N	3050B	9/11/2023 8:30:00 AM	S2AVE
RCH-C9W-DG-5.5 TO 6-DN-3.6-DG-230911-L-LA	492110-010	WIPE	N	3050B	9/11/2023 8:40:00 AM	S2AVE
RCH-C9W-DG-6 TO 6.5-DN-3.7-VS-230911-L-LA	492110-016	WIPE	N	3050B	9/11/2023 7:55:00 AM	S2AVE
RCH-C9W-DG-7 TO 7.5-DN-3.1-DG-230911-L-LA	492110-032	WIPE	N	3050B	9/11/2023 8:00:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

:eviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

'lient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
lethod: 6010B						
RCH-C9W-DG-7.5 TO 8-DN-9.3-VS-230911-L-LA	492110-038	WIPE	N	3050B	9/11/2023 8:35:00 AM	S2AVE
RCH-C9W-INT-7.5 TO 230911-L-WF	492110-036	WIPE	N	3050B	9/11/2023 8:25:00 AM	S2AVE
RCH-C9W-PS-6.5-230911-L-	492110-022	WIPE	N	3050B	9/11/2023 8:25:00 AM	S2AVE
lethod: 8082						
30911-P-FIELDBLANK3-LO	492110-043	WIPE	FB	3546	9/11/2023 9:15:00 AM	S2AVE
RCH-C10W-PS-5.5-230911-·G	492110-005	WIPE	N	3546	9/11/2023 8:15:00 AM	S2AVE
RCH-C11W-DG-6 TO 5-230911-P-FB	492110-017	WIPE	N	3546	9/11/2023 8:00:00 AM	S2AVE
RCH-C11W-EXT-8 TO 230911-P-WF	492110-041	WIPE	N	3546	9/11/2023 9:00:00 AM	S2AVE
RCH-C11W-PS-6.5-230911-·G	492110-023	WIPE	N	3546	9/11/2023 8:35:00 AM	S2AVE
RCH-C8W-DG-5 TO 5.5-DN-8.2-VS-230911-P-LA	492110-003	WIPE	N	3546	9/11/2023 8:00:00 AM	S2AVE
RCH-C8W-DG-6 TO 6.5-UP-8.1-HS-230911-P-LA	492110-013	WIPE	N	3546	9/11/2023 9:10:00 AM	S2AVE
RCH-C8W-DG-6.5 TO 7-DN-8W-DG-230911-P-LA	492110-019	WIPE	N	3546	9/11/2023 8:15:00 AM	S2AVE
RCH-C8W-DG-7 TO 5-230911-P-FB	492110-029	WIPE	N	3546	9/11/2023 7:45:00 AM	S2AVE
RCH-C8W-DG-7 TO 7.5-UP-8.7-DG-230911-P-LA	492110-027	WIPE	N	3546	9/11/2023 9:00:00 AM	S2AVE
RCH-C8W-DG-7.5 TO 8-DN-8.6-VS-230911-P-LA	492110-033	WIPE	N	3546	9/11/2023 8:10:00 AM	S2AVE
RCH-C8W-EXT-6 TO ·230911-P-WF	492110-011	WIPE	N	3546	9/11/2023 8:55:00 AM	S2AVE
RCH-C8W-INT-6.5 TO ·230911-P-WF	492110-025	WIPE	N	3546	9/11/2023 8:50:00 AM	S2AVE
RCH-C8W-INT-7.5 TO ·230911-P-WF	492110-039	WIPE	N	3546	9/11/2023 8:50:00 AM	S2AVE
RCH-C8W-PS-5.5-230911-P-	492110-001	WIPE	N	3546	9/11/2023 7:45:00 AM	S2AVE
RCH-C9W-DG-5.5 TO ·230911-P-FB	492110-007	WIPE	N	3546	9/11/2023 8:30:00 AM	S2AVE
RCH-C9W-DG-5.5 TO 6-DN-9.6-DG-230911-P-LA	492110-009	WIPE	N	3546	9/11/2023 8:40:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

viewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

ient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
thod: 8082						
CH-C9W-DG-6 TO 6.5-DN-7-VS-230911-P-LA	492110-015	WIPE	N	3546	9/11/2023 7:55:00 AM	S2AVE
CH-C9W-DG-7 TO 7.5-DN-1-DG-230911-P-LA	492110-031	WIPE	N	3546	9/11/2023 8:00:00 AM	S2AVE
CH-C9W-DG-7.5 TO 8-DN-3-VS-230911-P-LA	492110-037	WIPE	N	3546	9/11/2023 8:35:00 AM	S2AVE
CH-C9W-INT-7.5 TO 30911-P-WF	492110-035	WIPE	N	3546	9/11/2023 8:25:00 AM	S2AVE
CH-C9W-PS-6.5-230911-P	492110-021	WIPE	N	3546	9/11/2023 8:25:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

eviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

lient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
ab Reporting Batch: 492114						
ethod: 6010B						
10911-L-FIELDBLANK1-HO	492114-074	WIPE	FB	3050B	9/11/2023 9:55:00 AM	S2AVE
10911-L-FIELDBLANK2-HO	492114-077	WIPE	FB	3050B	9/11/2023 10:16:00 AM	S2AVE
10911-L-FIELDBLANK3-HO	492114-080	WIPE	FB	3050B	9/11/2023 2:00:00 PM	S2AVE
10911-L-MEDBLANK1-HO	492114-075	WIPE	FB	3050B	9/11/2023 3:11:00 PM	S2AVE
10911-L-MEDBLANK2-HO	492114-078	WIPE	FB	3050B	9/11/2023 3:13:00 PM	S2AVE
10911-L-MEDBLANK3-HO	492114-081	WIPE	FB	3050B	9/11/2023 3:12:00 PM	S2AVE
FRAME-C10W-MED-L1-S-3-230911-L-A	492114-051	WIPE	N	3050B	9/11/2023 10:20:00 AM	S2AVE
FRAME-C10W-MED-L1-S-3-230911-L-DUP-A	492114-052	WIPE	FD	3050B	9/11/2023 10:20:00 AM	S2AVE
FRAME-C10W-MED-L2-S-1-230911-L-G	492114-009	WIPE	N	3050B	9/11/2023 1:40:00 PM	S2AVE
FRAME-C10W-MED-L2-T-0 TO 0.5-230911-L-FB	492114-032	WIPE	N	3050B	9/11/2023 11:20:00 AM	S2AVE
FRAME-C11W-LAT-L1-INT-1 O 2-230911-L-FB	492114-064	WIPE	N	3050B	9/11/2023 2:10:00 PM	S2AVE
FRAME-C11W-MED-L1-S-3-230911-L-G	492114-054	WIPE	N	3050B	9/11/2023 10:30:00 AM	S2AVE
FRAME-C11W-MED-L2-KT-0 TO 1-230911-L-WF	492114-034	WIPE	N	3050B	9/11/2023 11:30:00 AM	S2AVE
FRAME-C11W-MED-L2-IT-0.5 TO 1-230911-L-FB	492114-020	WIPE	N	3050B	9/11/2023 10:15:00 AM	S2AVE
FRAME-C8W-LAT-L1-S-3-230911-L-A	492114-036	WIPE	N	3050B	9/11/2023 1:10:00 PM	S2AVE
FRAME-C8W-LAT-L1-INT-1 O 2-230911-L-FB	492114-058	WIPE	N	3050B	9/11/2023 1:05:00 PM	S2AVE
FRAME-C8W-LAT-L1-UP-8.7-VS-230911-L-I	492114-038	WIPE	N	3050B	9/11/2023 1:20:00 PM	S2AVE
FRAME-C8W-LAT-L1-UP-8W-HS-230911-L-LA	492114-060	WIPE	N	3050B	9/11/2023 1:20:00 PM	S2AVE
FRAME-C8W-LAT-L2-IT-0.5 TO 1-230911-L-FB	492114-011	WIPE	N	3050B	9/11/2023 9:20:00 AM	S2AVE
FRAME-C8W-MED-L1-DN-8.7-DG-230911-L-SS	492114-066	WIPE	N	3050B	9/11/2023 1:35:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

eviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

lient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
lethod: 6010B						
FRAME-C8W-MED-L1-EXT-1 O 2-230911-L-WF	492114-056	WIPE	N	3050B	9/11/2023 10:55:00 AM	S2AVE
FRAME-C8W-MED-L1-UP-8.1-DG-230911-L-SS	492114-040	WIPE	N	3050B	9/11/2023 1:25:00 PM	S2AVE
FRAME-C8W-MED-L1-UP-8.6-DG-230911-L-DUP-SS	492114-043	WIPE	FD	3050B	9/11/2023 1:35:00 PM	S2AVE
FRAME-C8W-MED-L1-UP-8.6-DG-230911-L-SS	492114-042	WIPE	N	3050B	9/11/2023 1:35:00 PM	S2AVE
FRAME-C8W-MED-L2-DN-8.2-DG-230911-L-LA	492114-023	WIPE	N	3050B	9/11/2023 10:30:00 AM	S2AVE
FRAME-C8W-MED-L2-S-1-230911-L-G	492114-003	WIPE	N	3050B	9/11/2023 1:05:00 PM	S2AVE
FRAME-C9W-LAT-L1-S-3-230911-L-G	492114-045	WIPE	N	3050B	9/11/2023 9:30:00 AM	S2AVE
FRAME-C9W-LAT-L1-INT-1 O 2-230911-L-FB	492114-062	WIPE	N	3050B	9/11/2023 1:55:00 PM	S2AVE
FRAME-C9W-LAT-L2-EXT-0 O 1-230911-L-WF	492114-016	WIPE	N	3050B	9/11/2023 9:44:00 AM	S2AVE
FRAME-C9W-LAT-L2-IT-0.5 TO 1-230911-L-DUP-3	492114-014	WIPE	FD	3050B	9/11/2023 9:30:00 AM	S2AVE
FRAME-C9W-LAT-L2-IT-0.5 TO 1-230911-L-FB	492114-013	WIPE	N	3050B	9/11/2023 9:30:00 AM	S2AVE
FRAME-C9W-LAT-L2-UP-9.7-VS-230911-L-I	492114-018	WIPE	N	3050B	9/11/2023 10:00:00 AM	S2AVE
FRAME-C9W-LAT-L3-DN-9.5-DG-230911-L-LA	492114-005	WIPE	N	3050B	9/11/2023 1:50:00 PM	S2AVE
FRAME-C9W-MED-L1-DN-9.7-DG-230911-L-SS	492114-072	WIPE	N	3050B	9/11/2023 2:05:00 PM	S2AVE
FRAME-C9W-MED-L1-DN-9W-DG-230911-L-SS	492114-070	WIPE	N	3050B	9/11/2023 1:45:00 PM	S2AVE
FRAME-C9W-MED-L1-EXT-0 O 1-230911-L-WF	492114-068	WIPE	N	3050B	9/11/2023 1:40:00 PM	S2AVE
FRAME-C9W-MED-L1-S-3-230911-L-LA	492114-047	WIPE	N	3050B	9/11/2023 9:35:00 AM	S2AVE
FRAME-C9W-MED-L1-UP-9.6-DG-230911-L-SS	492114-049	WIPE	N	3050B	9/11/2023 10:45:00 AM	S2AVE
FRAME-C9W-MED-L2-DN-9.5-DG-230911-L-LA	492114-027	WIPE	N	3050B	9/11/2023 11:10:00 AM	S2AVE
FRAME-C9W-MED-L2-INT-0 O 0.5-230911-L-FB	492114-025	WIPE	N	3050B	9/11/2023 10:45:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Method: 6010B							
FRAME-C9W-MED-L2-UP-9.1-VS-230911-L-LA	492114-029	WIPE	N	3050B		9/11/2023 10:55:00 AM	S2AVE
FRAME-C9W-MED-L3-DN-9.2-DG-230911-L-LA	492114-007	WIPE	N	3050B		9/11/2023 1:30:00 PM	S2AVE
Method: 8082							
30911-P-FIELDBLANK1-HO	492114-073	WIPE	FB		3546	9/11/2023 9:55:00 AM	S2AVE
30911-P-FIELDBLANK2-HO	492114-076	WIPE	FB		3546	9/11/2023 10:16:00 AM	S2AVE
30911-P-FIELDBLANK3-HO	492114-079	WIPE	FB		3546	9/11/2023 2:00:00 PM	S2AVE
FRAME-C10W-MED-L1-S-3-230911-P-A	492114-050	WIPE	N		3546	9/11/2023 10:20:00 AM	S2AVE
FRAME-C10W-MED-L2-S-1-230911-P-G	492114-008	WIPE	N		3546	9/11/2023 1:40:00 PM	S2AVE
FRAME-C10W-MED-L2-NT-0 TO 0.5-230911-P-DUP-B	492114-031	WIPE	FD		3546	9/11/2023 11:20:00 AM	S2AVE
FRAME-C10W-MED-L2-NT-0 TO 0.5-230911-P-FB	492114-030	WIPE	N		3546	9/11/2023 11:20:00 AM	S2AVE
FRAME-C11W-LAT-L1-INT-1 O 2-230911-P-FB	492114-063	WIPE	N		3546	9/11/2023 2:10:00 PM	S2AVE
FRAME-C11W-MED-L1-S-3-230911-P-G	492114-053	WIPE	N		3546	9/11/2023 10:30:00 AM	S2AVE
FRAME-C11W-MED-L2-XT-0 TO 1-230911-P-WF	492114-033	WIPE	N		3546	9/11/2023 11:30:00 AM	S2AVE
FRAME-C11W-MED-L2-NT-0.5 TO 1-230911-P-FB	492114-019	WIPE	N		3546	9/11/2023 10:15:00 AM	S2AVE
FRAME-C8W-LAT-L1-S-3-230911-P-A	492114-035	WIPE	N		3546	9/11/2023 1:10:00 PM	S2AVE
FRAME-C8W-LAT-L1-INT-1 O 2-230911-P-FB	492114-057	WIPE	N		3546	9/11/2023 1:05:00 PM	S2AVE
FRAME-C8W-LAT-L1-UP-8.7-VS-230911-P-I	492114-037	WIPE	N		3546	9/11/2023 1:20:00 PM	S2AVE
FRAME-C8W-LAT-L1-UP-8W-HS-230911-P-LA	492114-059	WIPE	N		3546	9/11/2023 1:20:00 PM	S2AVE
FRAME-C8W-LAT-L2-NT-0.5 TO 1-230911-P-FB	492114-010	WIPE	N		3546	9/11/2023 9:20:00 AM	S2AVE
FRAME-C8W-MED-L1-DN-8.7-DG-230911-P-SS	492114-065	WIPE	N		3546	9/11/2023 1:35:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
\FRAME-C8W-MED-L1-EXT-1 'O 2-230911-P-WF	492114-055	WIPE	N	3546	9/11/2023 10:55:00 AM	S2AVE
\FRAME-C8W-MED-L1-UP- :8.1-DG-230911-P-SS	492114-039	WIPE	N	3546	9/11/2023 1:25:00 PM	S2AVE
\FRAME-C8W-MED-L1-UP- :8.6-DG-230911-P-SS	492114-041	WIPE	N	3546	9/11/2023 1:35:00 PM	S2AVE
\FRAME-C8W-MED-L2-DN- :8.2-DG-230911-P-DUP-LA	492114-022	WIPE	FD	3546	9/11/2023 10:30:00 AM	S2AVE
\FRAME-C8W-MED-L2-DN- :8.2-DG-230911-P-LA	492114-021	WIPE	N	3546	9/11/2023 10:30:00 AM	S2AVE
\FRAME-C8W-MED-L2- IS-1-230911-P-DUP-G	492114-002	WIPE	FD	3546	9/11/2023 1:05:00 PM	S2AVE
\FRAME-C8W-MED-L2- IS-1-230911-P-G	492114-001	WIPE	N	3546	9/11/2023 1:05:00 PM	S2AVE
\FRAME-C9W-LAT-L1- IS-3-230911-P-G	492114-044	WIPE	N	3546	9/11/2023 9:30:00 AM	S2AVE
\FRAME-C9W-LAT-L1-INT-1 'O 2-230911-P-FB	492114-061	WIPE	N	3546	9/11/2023 1:55:00 PM	S2AVE
\FRAME-C9W-LAT-L2-EXT-0 'O 1-230911-P-WF	492114-015	WIPE	N	3546	9/11/2023 9:44:00 AM	S2AVE
\FRAME-C9W-LAT-L2- NT-0.5 TO 1-230911-P-FB	492114-012	WIPE	N	3546	9/11/2023 9:30:00 AM	S2AVE
\FRAME-C9W-LAT-L2-UP- :9.7-VS-230911-P-I	492114-017	WIPE	N	3546	9/11/2023 10:00:00 AM	S2AVE
\FRAME-C9W-LAT-L3-DN- :9.5-DG-230911-P-LA	492114-004	WIPE	N	3546	9/11/2023 1:50:00 PM	S2AVE
\FRAME-C9W-MED-L1-DN- :9.7-DG-230911-P-SS	492114-071	WIPE	N	3546	9/11/2023 2:05:00 PM	S2AVE
\FRAME-C9W-MED-L1-DN- :9W-DG-230911-P-SS	492114-069	WIPE	N	3546	9/11/2023 1:45:00 PM	S2AVE
\FRAME-C9W-MED-L1-EXT-0 'O 1-230911-P-WF	492114-067	WIPE	N	3546	9/11/2023 1:40:00 PM	S2AVE
\FRAME-C9W-MED-L1- IS-3-230911-P-LA	492114-046	WIPE	N	3546	9/11/2023 9:35:00 AM	S2AVE
\FRAME-C9W-MED-L1-UP- :9.6-DG-230911-P-SS	492114-048	WIPE	N	3546	9/11/2023 10:45:00 AM	S2AVE
\FRAME-C9W-MED-L2-DN- :9.5-DG-230911-P-LA	492114-026	WIPE	N	3546	9/11/2023 11:10:00 AM	S2AVE
\FRAME-C9W-MED-L2-INT-0 'O 0.5-230911-P-FB	492114-024	WIPE	N	3546	9/11/2023 10:45:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

:eviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

'lient Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
lethod: 8082						
FRAME-C8W-MED-L1-EXT-1 D 2-230911-P-WF	492114-055	WIPE	N	3546	9/11/2023 10:55:00 AM	S2AVE
FRAME-C8W-MED-L1-UP-8.1-DG-230911-P-SS	492114-039	WIPE	N	3546	9/11/2023 1:25:00 PM	S2AVE
FRAME-C8W-MED-L1-UP-8.6-DG-230911-P-SS	492114-041	WIPE	N	3546	9/11/2023 1:35:00 PM	S2AVE
FRAME-C8W-MED-L2-DN-8.2-DG-230911-P-DUP-LA	492114-022	WIPE	FD	3546	9/11/2023 10:30:00 AM	S2AVE
FRAME-C8W-MED-L2-DN-8.2-DG-230911-P-LA	492114-021	WIPE	N	3546	9/11/2023 10:30:00 AM	S2AVE
FRAME-C8W-MED-L2-S-1-230911-P-DUP-G	492114-002	WIPE	FD	3546	9/11/2023 1:05:00 PM	S2AVE
FRAME-C8W-MED-L2-S-1-230911-P-G	492114-001	WIPE	N	3546	9/11/2023 1:05:00 PM	S2AVE
FRAME-C9W-LAT-L1-S-3-230911-P-G	492114-044	WIPE	N	3546	9/11/2023 9:30:00 AM	S2AVE
FRAME-C9W-LAT-L1-INT-1 D 2-230911-P-FB	492114-061	WIPE	N	3546	9/11/2023 1:55:00 PM	S2AVE
FRAME-C9W-LAT-L2-EXT-0 D 1-230911-P-WF	492114-015	WIPE	N	3546	9/11/2023 9:44:00 AM	S2AVE
FRAME-C9W-LAT-L2-T-0.5 TO 1-230911-P-FB	492114-012	WIPE	N	3546	9/11/2023 9:30:00 AM	S2AVE
FRAME-C9W-LAT-L2-UP-9.7-VS-230911-P-I	492114-017	WIPE	N	3546	9/11/2023 10:00:00 AM	S2AVE
FRAME-C9W-LAT-L3-DN-9.5-DG-230911-P-LA	492114-004	WIPE	N	3546	9/11/2023 1:50:00 PM	S2AVE
FRAME-C9W-MED-L1-DN-9.7-DG-230911-P-SS	492114-071	WIPE	N	3546	9/11/2023 2:05:00 PM	S2AVE
FRAME-C9W-MED-L1-DN-9W-DG-230911-P-SS	492114-069	WIPE	N	3546	9/11/2023 1:45:00 PM	S2AVE
FRAME-C9W-MED-L1-EXT-0 D 1-230911-P-WF	492114-067	WIPE	N	3546	9/11/2023 1:40:00 PM	S2AVE
FRAME-C9W-MED-L1-S-3-230911-P-LA	492114-046	WIPE	N	3546	9/11/2023 9:35:00 AM	S2AVE
FRAME-C9W-MED-L1-UP-9.6-DG-230911-P-SS	492114-048	WIPE	N	3546	9/11/2023 10:45:00 AM	S2AVE
FRAME-C9W-MED-L2-DN-9.5-DG-230911-P-LA	492114-026	WIPE	N	3546	9/11/2023 11:10:00 AM	S2AVE
FRAME-C9W-MED-L2-INT-0 D 0.5-230911-P-FB	492114-024	WIPE	N	3546	9/11/2023 10:45:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (10/17/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
FRAME-C9W-MED-L2-UP-9.1-VS-230911-P-LA	492114-028	WIPE	N	3546	9/11/2023 10:55:00 AM	S2AVE
FRAME-C9W-MED-L3-DN-9.2-DG-230911-P-LA	492114-006	WIPE	N	3546	9/11/2023 1:30:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (10/17/2023) **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: 491224
EDD Filename: Prep491224

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 491258

EDD Filename: Prep491258

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 492059
EDD Filename: Prep492059

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 492110
EDD Filename: Prep492110

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 492114
EDD Filename: Prep492114

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

~~491224~~

SDG# 491224 does not contain samples collected in the High Occupancy Area of Zone 5.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638A3b
SDG #: 491224
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 10/16/23
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%D ≤ 20 ICV ≤ 15
III.	Continuing calibration	A	CCV ≤ 15
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	~~FB = 4, 5~~ BM 10/19/2023
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	ND	D = 6, 7 10, 11
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-C8W-EXT-1 TO 2-230828-P-WF		491224-001	Wipe	08/28/23
2	ARCH-C9W-EXT-1 TO 2-230828-P-WF		491224-003	Wipe	08/28/23
3	ARCH-C8W-DG-1.5 TO 2-DN-C8.7-VS-230828-P-LA		491224-006	Wipe	08/28/23
4	ARCH-C10W-DG-1.5 TO 2-230828-P-FB		491224-008	Wipe	08/28/23
5	ARCH-C9W-DG-2 TO 2.5-230828-P-FB		491224-011	Wipe	08/28/23
6	ARCH-C9W-DG-2 TO 2.5-UP-C9.1-HS-230828-P-LA	D	491224-013	Wipe	08/28/23
7	ARCH-C9W-DG2 TO 2.5-UP-C9.1-HS-230828-P-DUP-LA	D	491224-014	Wipe	08/28/23
8	ARCH-C11W-INT-1.5 TO 2.5-230828-P-WF		491224-016	Wipe	08/28/23
9	ARCH-C8W-PS-2.5-230828-P-G		491224-018	Wipe	08/28/23
10	ARCH-C8W-DG-2.5 TO 3-UP-C8.6-HS-230828-P-LA	D	491224-020	Wipe	08/28/23
11	ARCH-C8W-DG-2.5 TO 3-UP-C8.6-HS-230828-P-DUP-LA	D	491224-021	Wipe	08/28/23
12	ARCH-C10W-PS-2.5-230828-P-G		491224-023	Wipe	08/28/23
13					

Notes:

	321684-MB						

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638A3b

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?	✓	~~ND~~		FT
Were target compounds detected in the field blanks?		✓	~~ND~~	
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?	✓	ND		FT
Were target compounds detected in the field duplicates?		✓	ND	FT
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 #: 57638A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	5/22/2023	Aroclor 1016-1 ChA	0.0239	0.0239	0.0223	0.02230	13	13
	GC06		Aroclor 1016-1 ChB	0.0214	0.0214	0.0208	0.02082	16	16

LDC #: 57638A3b

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	09/05/23 0934	Aroclor 1016 chA	500.0	502.9	502.9	1	1
			↓ chB	500.0	472.5	472.5	6	6
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 57638A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50.0	41.6261	83	83	0
DCB	↓	↓	53.5810	107	107	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 #: 57638A3b

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: 321684 LCS ID

Compound	Spike Added (ug/100 km^2)		Spike Sample Concentration (ug/100) cm^2		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1016	5.0	5.0	4.573	4.947	91	91	99	99	8	8

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 #: 57638A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: GC/HPLC/GCMS

Y N N/A Were all reported results recalculated and verified for all level IV samples?

Y N N/A Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_t = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 321684 LCS Aroclor 1016

Conc. = $\frac{457.731\ (10)}{(1)(1000)}$

= 4.573 ng/100 cm²

#	Sample ID	Compound	Reported Concentration (ug/100 cm²)	Calculated Concentration (ug/100 cm²)	Qualification
	LCS	Aroclor 1016	4.573	4.573	
	1016-1 = $\frac{47266021.60\ (20.0)}{95841680.83\ (0.02082)}$ = 461.35			1016-1 = 461.35 2 = 439.6 3 = 466.3 4 = 456.2 5 = 463.1 457.731	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638A4b
SDG #: 491224
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 10/7/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: BM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(2,3), (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	ARCH-C8W-EXT-1 TO 2-230828-L-WF	491224-002	Wipe	08/28/23
2	ARCH-C9W-EXT-1 TO 2-230828-L-WF	491224-004	Wipe	08/28/23
3	ARCH-C9W-EXT-1 TO 2-230828-L-DUP-WF	491224-005	Wipe	08/28/23
4	ARCH-C8W-DG-1.5 TO 2-DN-C8.7-VS-230828-L-LA	491224-007	Wipe	08/28/23
5	ARCH-C10W-DG-1.5 TO 2-230828-L-FB	491224-009	Wipe	08/28/23
6	ARCH-C10W-DG-1.5-TO 2-230828-L-DUP-FB	491224-010	Wipe	08/28/23
7	ARCH-C9W-DG-2 TO 2.5-230828-L-FB	491224-012	Wipe	08/28/23
8	ARCH-C9W-DG-2 TO 2.5-UP-C9.1-HS-230828-L-LA	491224-015	Wipe	08/28/23
9	ARCH-C11W-INT-1.5 TO 2.5-230828-L-WF	491224-017	Wipe	08/28/23
10	ARCH-C8W-PS-2.5-230828-L-G	491224-019	Wipe	08/28/23
11	ARCH-C8W-DG-2.5 TO 3-UP-C8.6-HS-230828-L-LA	491224-022	Wipe	08/28/23
12	ARCH-C10W-PS-2.5-230828-L-G	491224-024	Wipe	08/28/23
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?	Yes			
Were all water samples preserved to a pH of <2.	~~Yes~~		NA	Blake Newell 4/10/2024
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	~~was performed but now raw data was provide.~~ 4/10/2024
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Validation Area	Yes	No	NA	Comments
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable)	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Field Duplicate RPD Report

Lab Reporting Batch ID: 491224 **Laboratory: Enthalpy Orange**

EDD Filename: Prep491224 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C10W-DG-1.5 TO 2-230828-L-FB	ARCH-C10W-DG-1.5 TO 2-230828-L-DUP-FB			
LEAD	27	15	57	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C9W-EXT-1 TO 2-230828-L-WF (TOT)	ARCH-C9W-EXT-1 TO 2-230828-L-DUP-WF			
LEAD	49	61	22	100.00	No Qualifiers Applied

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	2	3		
Lead	49	61	22	

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	5	6		
Lead	27	15	57	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.02	1	102	102	Y
CCV	ICP	↓	1.021	1	102	102	Y
LLCC	ICP						
ICSAB	ICP	↓	0.988	1	99	99	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

Quality Control Sample Recalculations

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1090213	LCS	Pb	48.28	50	97	97	Y
	MS						
QC1090213/4	Duplicate	Pb	48.28	49.14	2	2	Y
	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 (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	1.417	1	1	50	100	71	71	Y
2	↓	0.9766	1	1	50	100	49	49	Y
3	↓	1.23	1	1	50	100	61	61.5	Y
4	↓	1.313	1	1.02	50	100	64	64	Y
5	↓	0.5318	1	1	50	100	27	27	Y
6	↓	0.3092	1	1	50	100	15	15	Y
7	↓	0.509	1	1	50	100	25	25	Y
8	↓	0.6337	1	1	50	100	32	32	Y
9	↓	1.991	1	1	50	100	100	100	Y
10	↓	0.8187	1	1.1104	50	100	37	37	Y
11	↓	0.7561	1	1.01	50	100	37	37	Y
12	↓	0.9078	1	1.1104	50	100	41	41	Y

Quality Control
Outlier Reports

~~491258~~

SDG# 491258 does not contain samples collected in the High Occupancy Area of Zone 5.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638B3b
SDG #: 491258
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 10/18/2023
Page: 1 of 2
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= 19, 20
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 8/7, 18/17, 1/2
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-C8W-DG-3 TO 3.5-230828-P-FB	491258-001	Wipe	08/28/23
2	ARCH-C8W-DG-3 TO 3.5-230828-P-DUP-FB	491258-002	Wipe	08/28/23
3	ARCH-C9W-DG-3 TO 3.5-UP-C9.2-DG-230828-P-LA	491258-004	Wipe	08/28/23
4	ARCH-C9W-PS-3.5-230828-P-G	491258-006	Wipe	08/28/23
5	ARCH-C10W-INT-2.5 TO 3.5-230828-P-WF	491258-008	Wipe	08/28/23
6	ARCH-C9W-DG-4 TO 4.5-UP-C9.3-DG-230828-P-LA	491258-011	Wipe	08/28/23
7	ARCH-C8W-DG-4 TO C4.5-UP-C8.5-DG-230828-P-LA	491258-013	Wipe	08/28/23
8	ARCH-C8W-DG-4 TO 4.5-UP-C8.5-DG-230828-P-DUP-LA	491258-014	Wipe	08/28/23
9	ARCH-C9W-DG-4 TO 4.5-230828-P-FB	491258-016	Wipe	08/28/23
10	ARCH-C9W-DG-4 TO 4.5-DN-C9.4-VS-230828-P-LA	491258-019	Wipe	08/28/23
11	ARCH-C8W-DG-4.5 TO 5-230828-P-FB	491258-021	Wipe	08/28/23
12	ARCH-C8W-DG-4.5 TO 5-UP-C8.4-DG-230828-P-LA	491258-023	Wipe	08/28/23
13	ARCH-C11W-PS-4.5-230828-P-G	491258-026	Wipe	08/28/23
14	ARCH-C9W-INT-4.5 TO 5.5-230828-P-WF	491258-028	Wipe	08/28/23
15	ARCH-C9W-DG-5 TO 5.5-UP-C9.5-DG-230828-P-LA	491258-030	Wipe	08/28/23
16	ARCH-C8W-DG-5 TO 5.5-UP-C8.3-DG-230828-P-LA	491258-032	Wipe	08/28/23
17	ARCH-C10W-DG-5 TO 5.5-230828-P-FB	491258-034	Wipe	08/28/23

LDC #: 57638B3b

SDG #: 491258

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/18/2023

Reviewer: BM

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C10W-DG-5 TO 5.5-230828-P-DUP-FB	491258-035	Wipe	08/28/23
19	230828-P-FIELDBLANK1-LO	491258-037	Wipe	08/28/23
20	230828-P-FIELDBLANK2-LO	491258-040	Wipe	08/28/23
21				
22				
23				

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638B4b
SDG #: 491258
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 10/18/2023
Page: 1 of 2
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= 19, 20, 21, 22
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD = 5/4, 13/12, 8/9
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C8W-DG-3 TO 3.5-230828-L-FB	491258-003	Wipe	08/28/23
2	ARCH-C9W-DG-3 TO 3.5-UP-C9.2-DG-230828-L-LA	491258-005	Wipe	08/28/23
3	ARCH-C9W-PS-3.5-230828-L-G	491258-007	Wipe	08/28/23
4	ARCH-C10W-INT-2.5 TO 3.5-230828-L-WF	491258-009	Wipe	08/28/23
5	ARCH-C10W-INT-2.5 TO 3.5-230828-L-DUP-WF	491258-010	Wipe	08/28/23
6	ARCH-C9W-DG-4 TO 4.5-UP-C93-DG-230828-L-LA	491258-012	Wipe	08/28/23
7	ARCH-C8W-DG-4 TO 4.5-UP-C8.5-DG-230828-L-LA	491258-015	Wipe	08/28/23
8	ARCH-C9W-DG-4 TO 4.5-230828-L-FB	491258-017	Wipe	08/28/23
9	ARCH-C9W-DG-4 TO 4.5-230828-L-DUP-FB	491258-018	Wipe	08/28/23
10	ARCH-C9W-DG-4 TO 4.5-DN-C9.4-VS-230828-L-LA	491258-020	Wipe	08/28/23
11	ARCH-C8W-DG-4.5 TO 5-230828-L-FB	491258-022	Wipe	08/28/23
12	ARCH-C8W-DG-4.5 TO 5-UP-C8.4-DG-230828-L-LA	491258-024	Wipe	08/28/23
13	ARCH-C8W-DG-4.5 TO 5-UP-C8.4-DG-230828-L-DUP-LA	491258-025	Wipe	08/28/23
14	ARCH-C11W-PS-4.5-230828-L-G	491258-027	Wipe	08/28/23
15	ARCH-C9W-INT-4.5 TO 5.5-230828-L-WF	491258-029	Wipe	08/28/23
16	ARCH-C9W-DG-5 TO 5.5-UP-C9.5-DG-230828-L-LA	491258-031	Wipe	08/28/23
17	ARCH-C8W-DG-5 TO 5.5-UP-C8.3-DG-230828-L-LA	491258-033	Wipe	08/28/23

LDC #: 57638B4b

SDG #: 491258

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/18/2023

Page: 2 of 2

Reviewer: [illegible]

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C10W-DG-5 TO 5.5-230828-L-FB	491258-036	Wipe	08/28/23
19	230828-L-FIELDBLANK1-LO	491258-038	Wipe	08/28/23
20	230828-L-MEDBLANK1	491258-039	Wipe	08/28/23
21	230828-L-FIELDBLANK2-LO	491258-041	Wipe	08/28/23
22	230828-L-MEDLBANK2	491258-042	Wipe	08/28/23
23				
24				
25				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 491258

Laboratory: Enthalpy Orange

EDD Filename: Prep491258

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	230828-L-FIELDBLANK1-LO	0.65	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 491258 **Laboratory: Enthalpy Orange**

EDD Filename: Prep491258 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C8W-DG-4.5 TO 5-UP-C8.4-DG-230828-	ARCH-C8W-DG-4.5 TO 5-UP-C8.4-DG-230828-			
LEAD	53	43	21	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C9W-DG-4 TO 4.5-230828-L-FB (TOT)	ARCH-C9W-DG-4 TO 4.5-230828-L-DUP-FB			
LEAD	13	19	38	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C10W-INT-2.5 TO 3.5-230828-L-WF	ARCH-C10W-INT-2.5 TO 3.5-230828-L-DUP-			
LEAD	130	130	0	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

492059

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638C3b
SDG #: 492059
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 10/16/23
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 ≤ 15
III.	Continuing calibration	A	CCV ≤ 15
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	ND	D = 5,6 7,8
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- ~~ARCH~~-C8W-LAT-L3-EXT-1 TO 2-230911-P-WF		492059-001	Wipe	09/11/23
2	AFRAME- ~~ARCH~~-C8W-LAT-L3-UP-C8.1-DG-230911-P-LA		492059-003	Wipe	09/11/23
3	AFRAME- ~~ARCH~~-C9W-LAT-L3-EXT-1 TO 2-230911-P-WF		492059-005	Wipe	09/11/23
4	AFRAME- ~~ARCH~~-C9W-LAT-L3-UP-C9.4-VS-230911-P-LA		492059-008	Wipe	09/11/23
5	AFRAME- ~~ARCH~~-C9W-MED-L3-UP-C9.7-DG-230911-P-LA	D	492059-010	Wipe	09/11/23
6	AFRAME- ~~ARCH~~-C9W-MED-L3-UP-C9.7-DG-230911-P-DUP-LA	D	492059-011	Wipe	09/11/23
7	AFRAME- ~~ARCH~~-C8W-LAT-L3-UP-C8.6-HS-230911-P-LA		492059-013	Wipe	09/11/23
8	AFRAME- ~~ARCH~~-C8W-MED-L3-UP-C8.4-DG-230911-P-LA	D	492059-015	Wipe	09/11/23
9	AFRAME- ~~ARCH~~-C8W-MED-L3-UP-C8.4-DG-230911-P-DUP-LA	D1	492059-016	Wipe	09/11/23
10	AFRAME- ~~ARCH~~-C9W-LAT-L3-UP-C9.1-GS-230911-P-LA		492059-018	Wipe	09/11/23
11	AFRAME- ~~ARCH~~-C11W-LAT-L3-EXT-0 TO 1-230911-P-WF		492059-020	Wipe	09/11/23
12	AFRAME ~~ARCH~~-C8W-MED-L3-DN-C8.7-DG-230911-P-LA		492059-023	Wipe	09/11/23
13					

Notes:

	322492-MB						

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638C36 **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%	✓			
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?	✓	✓	FD	
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 #: 57638C3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	5/22/2023	Aroclor 1260-1 ChA	0.0709	0.0709	0.0661	0.0661	14	14
	GC06		Aroclor 1260-1 ChB	0.0579	0.0579	0.0564	0.0564	17	17

LDC #: 57638C3b

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	9/15/23 1105	Aroclor 1260 (chA)	500.0	506.2	506.2	1	1
			↓ (chB)	500.0	472.0	472.0	6	6
2	ccv	9/15/23 2319	↓	500.0	485.1	485.1	3	3
			↓	↓	489.3	489.3	2	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 #: 57638 C3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50	29.8543	60	60	0
DCB	↓	↓	28.4590	57	57	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 #: 57638c3b

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: 322492 - LCS 1P

Compound	Spike Added (ug/100 cm²)		Spike Sample Concentration (ug/100) cm²		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	3.575	3.316	72	72	66	66	8	8

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 #: 57638C3b

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. 322492-LCS Compound Name Aroclor 1260

Concentration = $\frac{357.53\ (10)}{(1)(1000)}$ =

= 3.5753 ug/100 cm^2

#	Sample ID	Compound	Reported Concentrations (ug/100 cm^2)	Recalculated Results Concentrations (ug/100 cm^2)	Qualifications
	LCS	Aroclor 1260	3.575	3.5753	
	Aroclor 1260-1 =	12321158.3 (20)	1260-1	= 367.45	
		11890545.2 (0.0564)	2	= 300.4	
			3	= 396.6	
		= 367.45	4	= 300.0	
			5	= 343.2	
				357.53	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638C4b
SDG #: 492059
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 10/17/2023
Page: 1 of 1
Reviewer: JC
2nd Reviewer: BM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	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	(3,4), (10,11)
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- BM 11/22/2023 ~~ARCH~~-C8W-LAT-L3-EXT-1 TO 2-230911-L-WF	492059-002	Wipe	09/11/23
2	AFRAME- BM 11/22/2023 ~~ARCH~~-C8W-LAT-L3-UP-C8.1-DG-230911-L-LA	492059-004	Wipe	09/11/23
3	AFRAME- BM 11/22/2023 ~~ARCH~~-C9W-LAT-L3-EXT-1 TO 2-230911-L-WF	492059-006	Wipe	09/11/23
4	AFRAME- BM 11/22/2023 ~~ARCH~~-C9W-LAT-L3-EXT-1 TO 2-230911-L-DUP-WF	492059-007	Wipe	09/11/23
5	AFRAME- BM 11/22/2023 ~~ARCH~~-C9W-LAT-L3-UP-C9.4-VS-230911-L-LA	492059-009	Wipe	09/11/23
6	AFRAME- BM 11/22/2023 ~~ARCH~~-C9W-MED-L3-UP-C9.7-DG-230911-L-LA	492059-012	Wipe	09/11/23
7	AFRAME- BM 11/22/2023 ~~ARCH~~-C8W-LAT-L3-UP-C8.6-HS-230911-L-LA	492059-014	Wipe	09/11/23
8	AFRAME- BM 11/22/2023 ~~ARCH~~-C8W-MED-L3-UP-C8.4-DG-230911-L-LA	492059-017	Wipe	09/11/23
9	AFRAME- BM 11/22/2023 ~~ARCH~~-C9W-LAT-L3-UP-C9.1-HS-230911-L-LA	492059-019	Wipe	09/11/23
10	AFRAME- BM 11/22/2023 ~~ARCH~~-C11W-LAT-L3-EXT-0 TO 1-230911-L-WF	492059-021	Wipe	09/11/23
11	AFRAME- BM 11/22/2023 ~~ARCH~~-C11W-LAT-L3-EXT-0 TO 1-230911-L-DUP-WF	492059-022	Wipe	09/11/23
12	AFRAME- BM 11/22/2023 ~~ARCH~~-C8W-MED-L3-DN-C8.7-DG-230911-L-LA	492059-024	Wipe	09/11/23
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?	Yes			
Were all water samples preserved to a pH of <2.	~~Yes~~		NA	Blake Mauk 4/10/2024
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	~~was ran but raw data was not provided~~ 10/8/2024
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Validation Area	Yes	No	NA	Comments
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable)	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

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
9/13/2023	8:59	ISCA	Pb	0.004082	0.003334	All	no qual (sample interferents<ICSA)	Det

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is establised at 10x the absolute value of the contamination.

Field Duplicate RPD Report

Lab Reporting Batch ID: 492059 **Laboratory: Enthalpy Orange**

EDD Filename: 492059 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C11W-LAT-L3-EXT-0 TO 1-230911-	AFRAME-C11W-LAT-L3-EXT-0 TO 1-230911-			
LEAD	230	290	23	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C9W-LAT-L3-EXT-1 TO 2-230911-	AFRAME-C9W-LAT-L3-EXT-1 TO 2-230911-L-			
LEAD	180	310	53	100.00	No Qualifiers Applied

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	3	4		
Lead	180	310	53	

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	10	11		
Lead	230	290	23	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.002	1	100	100	Y
CCV	ICP	↓	1.036	1	104	104	Y
LLCC	ICP						
ICSAB	ICP	↓	1.003	1	100.3	100	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

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)
QC1093250	LCS	Pb	50.4	50	101	101	Y
	MS						
QC1093250/51	Duplicate	Pb	50.4	48.99	3	3	Y
	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 (mg/L)	Dilution	Initial Weight/ Volume (ft2)	Final Volume (mL)	Percent solids (%)	Reported Result (unit)	Recalculated Result (unit)	Acceptable (Y/N)
1	Pb	2.46873	1	1	50	100	120	123	Y
2	↓	2.62552	1	1	50	100	130	131	Y
3	↓	3.54453	1	1	50	100	180	177	Y
4	↓	6.24339	1	1	50	100	310	312	Y
5	↓	4.14167	1	1	50	100	210	207	Y
6	↓	2.58126	1	1	50	100	130	129	Y
7	↓	1.6144	1	1	50	100	81	81	Y
8	↓	2.0183	1	1	50	100	100	101	Y
9	↓	1.45255	1	1	50	100	73	73	Y
10	↓	4.6431	1	1	50	100	230	232	Y
11	↓	5.78418	1	1	50	100	290	289	Y
12	↓	2.317	1	1	50	100	120	116	Y

Quality Control Outlier Reports

~~492110~~

SDG# 492110 does not contain samples collected in the High Occupancy Area of Zone 5.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638D3b

SDG #: 492110

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/18/2023

Page: 1 of 2

Reviewer:

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB= 22
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-C8W-PS-5.5-230911-P-G	492110-001	Wipe	09/11/23
2	ARCH-C8W-DG-5 TO 5.5-DN-C8.2-VS-230911-P-LA	492110-003	Wipe	09/11/23
3	ARCH-C10W-PS-5.5-230911-P-G	492110-005	Wipe	09/11/23
4	ARCH-C9W-DG-5.5 TO 6-230911-P-FB	492110-007	Wipe	09/11/23
5	ARCH-C9W-DG-5.5 TO 6-DN-C9.6-DG-230911-P-LA	492110-009	Wipe	09/11/23
6	ARCH-C8W-EXT-6 TO 7-230911-P-WF	492110-011	Wipe	09/11/23
7	ARCH-C8W-DG-6 TO 6.5-UP-C8.1-HS-230911-P-LA	492110-013	Wipe	09/11/23
8	ARCH-C9W-DG-6 TO 6.5-DN-C9.7-VS-230911-P-LA	492110-015	Wipe	09/11/23
9	ARCH-C11W-DG-6 TO 6.5-230911-P-FB	492110-017	Wipe	09/11/23
10	ARCH-C8W-DG-6.5 TO 7-DN-C8W-DG-230911-P-LA	492110-019	Wipe	09/11/23
11	ARCH-C9W-PS-6.5-230911-P-G	492110-021	Wipe	09/11/23
12	ARCH-C11W-PS-6.5-230911-P-G	492110-023	Wipe	09/11/23
13	ARCH-C8W-INT-6.5 TO 7-230911-P-WF	492110-025	Wipe	09/11/23
14	ARCH-C8W-DG-7 TO 7.5-UP-C8.7-DG-230911-P-LA	492110-027	Wipe	09/11/23
15	ARCH-C8W-DG-7 TO 7.5-2360911-P-FB	492110-029	Wipe	09/11/23
16	ARCH-C9W-DG-7 TO 7.5-DN-C9.1-DG-230911-P-LA	492110-031	Wipe	09/11/23
17	ARCH-C8W-DG-7.5 TO 8-DN-C8.6-VS-230911-P-LA	492110-033	Wipe	09/11/23

LDC #: 57638D3b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/18/2023

SDG #: 492110

Page: 2 of 2

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: BM

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C9W-INT-7.5 TO 9-230911-P-WF	492110-035	Wipe	09/11/23
19	ARCH-C9W-DG-7.5 TO 8-DN-C9.3-VS-230911-P-LA	492110-037	Wipe	09/11/23
20	ARCH-C8W-INT-7.5 TO 9-230911-P-WF	492110-039	Wipe	09/11/23
21	ARCH-C11W-EXT-8 TO 9-230911-P-WF	492110-041	Wipe	09/11/23
22	230911-P-FIELDBLANK3-LO	492110-043	Wipe	09/11/23
23				
24				
25				

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638D4b
SDG #: 492110
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 10/18/2023
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= 22, 23
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-C8W-PS-5.5-230911-L-G	492110-002	Wipe	09/11/23
2	ARCH-C8W-DG-5 TO 5.5-DN-C8.2-VS-230911-L-LA	492110-004	Wipe	09/11/23
3	ARCH-C10W-PS-5.5-230911-L-G	492110-006	Wipe	09/11/23
4	ARCH-C9W-DG-5.5 TO 6-230911-L-FB	492110-008	Wipe	09/11/23
5	ARCH-C9W-DG-5.5 TO 6-DN-C9.6-DG-230911-L-LA	492110-010	Wipe	09/11/23
6	ARCH-C8W-EXT-6 TO 7-230911-L-WF	492110-012	Wipe	09/11/23
7	ARCH-C8W-DG-6 TO 6.5-UP-C8.1-HS-230911-L-LA	492110-014	Wipe	09/11/23
8	ARCH-C9W-DG-6 TO 6.5-DN-C9.7-VS-230911-L-LA	492110-016	Wipe	09/11/23
9	ARCH-C11W-DG-6 TO 6.5-230911-L-FB	492110-018	Wipe	09/11/23
10	ARCH-C8W-DG-6.5 TO 7-DN-C8W-DG-230911-L-LA	492110-020	Wipe	09/11/23
11	ARCH-C9W-PS-6.5-230911-L-G	492110-022	Wipe	09/11/23
12	ARCH-C11W-PS-6.5-230911-L-G	492110-024	Wipe	09/11/23
13	ARCH-C8W-INT-6.5 TO 7-230911-L-WF	492110-026	Wipe	09/11/23
14	ARCH-C8W-DG-7 TO 7.5-UP-C8.7-DG-230911-L-LA	492110-028	Wipe	09/11/23
15	ARCH-C8W-DG-7 TO 7.5-2360911-L-FB	492110-030	Wipe	09/11/23
16	ARCH-C9W-DG-7 TO 7.5-DN-C9.1-DG-230911-L-LA	492110-032	Wipe	09/11/23
17	ARCH-C8W-DG-7.5 TO 8-DN-C8.6-VS-230911-L-LA	492110-034	Wipe	09/11/23

LDC #: 57638D4b

SDG #: 492110

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/18/2023

Reviewer: BM

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C9W-INT-7.5 TO 9-230911-L-WF	492110-036	Wipe	09/11/23
19	ARCH-C9W-DG-7.5 TO 8-DN-C9.3-VS-230911-L-LA	492110-038	Wipe	09/11/23
20	ARCH-C8W-INT-7.5 TO 9-230911-L-WF	492110-040	Wipe	09/11/23
21	ARCH-C11W-EXT-8 TO 9-230911-L-WF	492110-042	Wipe	09/11/23
22	230911-L-FIELDBLANK3-LO	492110-044	Wipe	09/11/23
23	230911-L-MEDBLANK3-LO	492110-045	Wipe	09/11/23
24				
25				
26				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 492110

Laboratory: Enthalpy Orange

EDD Filename: Prep492110

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	230911-L-FIELDBLANK3-LO	1.3	No Qualifiers Applied

Quality Control
Outlier Reports

492114

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638E3b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/18/2023

SDG #: 492114

Page: 1 of 2

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: BR

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= 37, 38, 39
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD = 2/1, 12/11, 17/16
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-C8W-MED-L2-HS-1-230911-P-G	492114-001	Wipe	09/11/23
2	AFRAME-C8W-MED-L2-HS-1-230911-P-DUP-G	492114-002	Wipe	09/11/23
3	AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-P-LA	492114-004	Wipe	09/11/23
4	AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-P-LA	492114-006	Wipe	09/11/23
5	AFRAME-C10W-MED-L2-HS-1-230911-P-G	492114-008	Wipe	09/11/23
6	AFRAME-C8W-LAT-L2-INT-0.5 TO 1-230911-P-FB	492114-010	Wipe	09/11/23
7	AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-P-FB	492114-012	Wipe	09/11/23
8	AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-P-WF	492114-015	Wipe	09/11/23
9	AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-P-I	492114-017	Wipe	09/11/23
10	AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-P-FB	492114-019	Wipe	09/11/23
11	AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-P-LA	492114-021	Wipe	09/11/23
12	AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-P-DUP-LA	492114-022	Wipe	09/11/23
13	AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-P-FB	492114-024	Wipe	09/11/23
14	AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-P-LA	492114-026	Wipe	09/11/23
15	AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-P-LA	492114-028	Wipe	09/11/23
16	AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-P-FB	492114-030	Wipe	09/11/23
17	AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-P-DUP-FB	492114-031	Wipe	09/11/23

LDC #: 57638E3b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/13/2023

SDG #: 492114

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: dm

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C11W-MDD-L2-EXT-0 TO 1-230911-P-WF	492114-033	Wipe	09/11/23
19	AFRAME-C8W-LAT-L1-HS-3-230911-P-A	492114-035	Wipe	09/11/23
20	AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-P-I	492114-037	Wipe	09/11/23
21	AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-P-SS	492114-039	Wipe	09/11/23
22	AFRAME-C8W-MED-L1-C8.6-DG-230911-P-SS	492114-041	Wipe	09/11/23
23	AFRAME-C9W-LAT-L1-HS-3-230911-P-G	492114-044	Wipe	09/11/23
24	AFRAME-C9W-MED-L1-HS-3-230911-P-LA	492114-046	Wipe	09/11/23
25	AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-P-SS	492114-048	Wipe	09/11/23
26	AFRAME-C10W-MED-L1-HS-3-230911-P-A	492114-050	Wipe	09/11/23
27	AFRAME-C11W-MED-L1-HS-3-230911-P-G	492114-053	Wipe	09/11/23
28	AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-P-WF	492114-055	Wipe	09/11/23
29	AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-P-FB	492114-057	Wipe	09/11/23
30	AFRAME-C8W-LAT-L1-UP-C8W-HS-230911-P-LA	492114-059	Wipe	09/11/23
31	AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-P-FB	492114-061	Wipe	09/11/23
32	AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-P-FB	492114-063	Wipe	09/11/23
33	AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-P-SS	492114-065	Wipe	09/11/23
34	AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-P-WF	492114-067	Wipe	09/11/23
35	AFRAME-C9W-MED-L1-DN-C9W-DG-230911-P-SS	492114-069	Wipe	09/11/23
36	AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-P-SS	492114-071	Wipe	09/11/23
37	230911-P-FIELDBLANK1-HO	492114-073	Wipe	09/11/23
38	230911-P-FIELDBLANK2-HO	492114-076	Wipe	09/11/23
39	230911-P-FIELDBLANK3-HO	492114-079	Wipe	09/11/23
40				
41				
42				

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57638E4b **VALIDATION COMPLETENESS WORKSHEET** Date: 10/18/2023
SDG #: 492114 Stage 2A Page: 1 of 2
Laboratory: Enthalpy Analytical, Orange, CA 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= 37, 38, 39, 40, 41, 42
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= 7/6, 21/20, 26/25
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data		

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C8W-MED-L2-HS-1-230911-L-G	492114-003	Wipe	09/11/23
2	AFRAME-C9W-LAT-L3-DN-C9.5-DG-230911-L-LA	492114-005	Wipe	09/11/23
3	AFRAME-C9W-MED-L3-DN-C9.2-DG-230911-L-LA	492114-007	Wipe	09/11/23
4	AFRAME-C10W-MED-L2-HS-1-230911-L-G	492114-009	Wipe	09/11/23
5	AFRAME-C8W-LAT-L2-INT-0.5 TO 1-230911-L-FB	492114-011	Wipe	09/11/23
6	AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-L-FB	492114-013	Wipe	09/11/23
7	AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-L-DUP-FB	492114-014	Wipe	09/11/23
8	AFRAME-C9W-LAT-L2-EXT-0 TO 1-230911-L-WF	492114-016	Wipe	09/11/23
9	AFRAME-C9W-LAT-L2-UP-C9.7-VS-230911-L-I	492114-018	Wipe	09/11/23
10	AFRAME-C11W-MED-L2-INT-0.5 TO 1-230911-L-FB	492114-020	Wipe	09/11/23
11	AFRAME-C8W-MED-L2-DN-C8.2-DG-230911-L-LA	492114-023	Wipe	09/11/23
12	AFRAME-C9W-MED-L2-INT-0 TO 0.5-230911-L-FB	492114-025	Wipe	09/11/23
13	AFRAME-C9W-MED-L2-DN-C9.5-DG-230911-L-LA	492114-027	Wipe	09/11/23
14	AFRAME-C9W-MED-L2-UP-C9.1-VS-230911-L-LA	492114-029	Wipe	09/11/23
15	AFRAME-C10W-MED-L2-INT-0 TO 0.5-230911-L-FB	492114-032	Wipe	09/11/23
16	AFRAME-C11W-MDD-L2-EXT-0 TO 1-230911-L-WF	492114-034	Wipe	09/11/23
17	AFRAME-C8W-LAT-L1-HS-3-230911-L-A	492114-036	Wipe	09/11/23

LDC #: 57638E4b

SDG #: 492114

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/18/2023

Reviewer: MM

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C8W-LAT-L1-UP-C8.7-VS-230911-L-I	492114-038	Wipe	09/11/23
19	AFRAME-C8W-MED-L1-UP-C8.1-DG-230911-L-SS	492114-040	Wipe	09/11/23
20	AFRAME-C8W-MED-L1-C8.6-DG-230911-L-SS	492114-042	Wipe	09/11/23
21	AFRAME-C8W-MED-L1-C8.6-DG-230911-L-DUP-SS	492114-043	Wipe	09/11/23
22	AFRAME-C9W-LAT-L1-HS-3-230911-L-G	492114-045	Wipe	09/11/23
23	AFRAME-C9W-MED-L1-HS-3-230911-L-LA	492114-047	Wipe	09/11/23
24	AFRAME-C9W-MED-L1-UP-C9.6-DG-230911-L-SS	492114-049	Wipe	09/11/23
25	AFRAME-C10W-MED-L1-HS-3-230911-L-A	492114-051	Wipe	09/11/23
26	AFRAME-C10W-MED-L1-HS-3-230911-L-DUP-A	492114-052	Wipe	09/11/23
27	AFRAME-C11W-MED-L1-HS-3-230911-L-G	492114-054	Wipe	09/11/23
28	AFRAME-C8W-MED-L1-EXT-1 TO 2-230911-L-WF	492114-056	Wipe	09/11/23
29	AFRAME-C8W-LAT-L1-INT-1 TO 2-230911-L-FB	492114-058	Wipe	09/11/23
30	AFRAME-C8W-LAT-L1-UP-C8W-HS-230911-L-LA	492114-060	Wipe	09/11/23
31	AFRAME-C9W-LAT-L1-INT-1 TO 2-230911-L-FB	492114-062	Wipe	09/11/23
32	AFRAME-C11W-LAT-L1-INT-1 TO 2-230911-L-FB	492114-064	Wipe	09/11/23
33	AFRAME-C8W-MED-L1-DN-C8.7-DG-230911-L-SS	492114-066	Wipe	09/11/23
34	AFRAME-C9W-MED-L1-EXT-0 TO 1-230911-L-WF	492114-068	Wipe	09/11/23
35	AFRAME-C9W-MED-L1-DN-C9W-DG-230911-L-SS	492114-070	Wipe	09/11/23
36	AFRAME-C9W-MED-L1-DN-C9.7-DG-230911-L-SS	492114-072	Wipe	09/11/23
37	230911-L-FIELDBLANK1-HO	492114-074	Wipe	09/11/23
38	230911-L-MEDBLANK1-HO	492114-075	Wipe	09/11/23
39	230911-L-FIELDBLANK2-HO	492114-077	Wipe	09/11/23
40	230911-L-MEDBLANK2-HO	492114-078	Wipe	09/11/23
41	230911-L-FIELDBLANK3-HO	492114-080	Wipe	09/11/23
42	230911-L-MEDBLANK3-HO	492114-081	Wipe	09/11/23
43				
44				
45				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 492114

Laboratory: Enthalpy Orange

EDD Filename: Prep492114

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	230911-L-FIELDBLANK2-HO	1.9	No Qualifiers Applied
	230911-L-FIELDBLANK3-HO	2.3	

Field Duplicate RPD Report

Lab Reporting Batch ID: 492114 **Laboratory: Enthalpy Orange**

EDD Filename: Prep492114 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)* AFRAME-C10W-MED-L1-HS-3-230911-L-A	AFRAME-C10W-MED-L1-HS-3-230911-L-	*Sample RPD*	*eQAPP RPD*	*Flag*
LEAD	61	51	18	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)* AFRAME-C8W-MED-L1-UP-C8.6-	AFRAME-C8W-MED-L1-UP-C8.6-	*Sample RPD*	*eQAPP RPD*	*Flag*
LEAD	33	31	6	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)* AFRAME-C9W-MED-L2-INT-0 TO	AFRAME-C9W-LAT-L2-INT-0.5 TO 1-230911-L-	*Sample RPD*	*eQAPP RPD*	*Flag*
LEAD	18	20	11	100.00	No Qualifiers Applied

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

April 9, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on November 2, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #57826_RV2:

SDG #	**Fraction**
493300, 493321, 494421, 494459, 494537, 494547, 494548	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

309 pages-ADV EDD R1 (changed SDG 494459 to Stage 3) Attachment 1

Stage 2A/3 (client select) **LDC# 57826 (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	493300	11/02/23	11/22/23	0	12	0	12																												
B	493321	11/02/23	11/22/23	0	11	0	13																												
C	494421	11/02/23	11/22/23	-	-	0	21																												
D	494459	11/02/23	11/22/23	0	4	0	21																												
E	494537	11/02/23	11/22/23	0	5	0	31																												
F	494547	11/02/23	11/22/23	-	-	0	1																												
G	494548	11/02/23	11/22/23	0	3	0	2																												
Total	TR/PG			0	35	0	101	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	136

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\57826ST-Wipe.wpd

LDC Report# 57826_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

493300
493321
494421
494459
494537
494547
494548

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 5.

December 20, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the June through September 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 Environmental Protection Agency (EPA) SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

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

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

8082
Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks.

6010B
Laboratory blanks were performed as required by the method. Two laboratory blanks had detection for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the field blanks and were not qualified. The details are presented in Enclosure I.

Field Blanks

8082
Two field blanks were collected and analyzed. No contaminants were found.

6010B
Five field blanks were collected and analyzed. Four field 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.

Five media blanks were collected and analyzed. No contaminants were found.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The 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 method with the exception of SDG 493300. The laboratory indicated the LCSD was not performed. Percent recoveries (%R) were within QC limits. 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
Eight field duplicate pairs were collected and analyzed. Eight 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

8082
The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

6010B
The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP for samples in SDGs 494459 and 494537, 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 (11/20/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 493300							
Method: 6010B							
ARCH-C10E-DG-1.5 TO 2-231003-L-DUP-FB	493300-012	WIPE	FD	3050B		10/3/2023 8:35:00 AM	S3VEM
ARCH-C10E-DG-1.5 TO 2-231003-L-FB	493300-011	WIPE	N	3050B		10/3/2023 8:35:00 AM	S3VEM
ARCH-C10E-PS-2.5-231003-L-G	493300-020	WIPE	N	3050B		10/3/2023 9:25:00 AM	S3VEM
ARCH-C11E-INT-1.5 TO 2.5-231003-L-WF	493300-016	WIPE	N	3050B		10/3/2023 9:10:00 AM	S3VEM
ARCH-C8E-DG-1.5 TO 2-DN-C8.7-VS-231003-L-LA	493300-009	WIPE	N	3050B		10/3/2023 8:10:00 AM	S3VEM
ARCH-C8E-DG-3 TO 3.5-231003-L-FB	493300-022	WIPE	N	3050B		10/3/2023 10:05:00 AM	S3VEM
ARCH-C8E-EXT-1 TO 2-231003-L-DUP-WF	493300-003	WIPE	FD	3050B		10/3/2023 7:40:00 AM	S3VEM
ARCH-C8E-EXT-1 TO 2-231003-L-WF	493300-002	WIPE	N	3050B		10/3/2023 7:40:00 AM	S3VEM
ARCH-C8E-PS-2.5-231003-L-G	493300-018	WIPE	N	3050B		10/3/2023 9:45:00 AM	S3VEM
ARCH-C9E-DG-2 TO 2.5-UP-C9.1-HM-231003-L-LA	493300-014	WIPE	N	3050B		10/3/2023 8:55:00 AM	S3VEM
ARCH-C9E-DG-3 TO 3.5-UP-C9.2-DG-231003-L-LA	493300-024	WIPE	N	3050B		10/3/2023 7:45:00 AM	S3VEM
ARCH-C9E-EXT-1 TO 2-231003-L-WF	493300-006	WIPE	N	3050B		10/3/2023 7:55:00 AM	S3VEM
Method: 8082							
ARCH-C10E-DG-1.5 TO 2-231003-P-FB	493300-010	WIPE	N		3546	10/3/2023 8:35:00 AM	S3VEM
ARCH-C10E-PS-2.5-231003-P-G	493300-019	WIPE	N		3546	10/3/2023 9:25:00 AM	S3VEM
ARCH-C11E-INT-1.5 TO 2.5-231003-P-WF	493300-015	WIPE	N		3546	10/3/2023 9:10:00 AM	S3VEM
ARCH-C8E-DG-1.5 TO 2-DN-C8.7-VS-231003-P-DUP-LA	493300-008	WIPE	FD		3546	10/3/2023 8:10:00 AM	S3VEM
ARCH-C8E-DG-1.5 TO 2-DN-C8.7-VS-231003-P-LA	493300-007	WIPE	N		3546	10/3/2023 8:10:00 AM	S3VEM
ARCH-C8E-DG-3 TO 3.5-231003-P-FB	493300-021	WIPE	N		3546	10/3/2023 10:05:00 AM	S3VEM
ARCH-C8E-EXT-1 TO 2-231003-P-WF	493300-001	WIPE	N		3546	10/3/2023 7:40:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/20/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
ARCH-C8E-PS-2.5-231003-P-G	493300-017	WIPE	N	3546	10/3/2023 9:45:00 AM	S3VEM
ARCH-C9E-DG-2 TO 2.5-UP-C9.1-HM-231003-P-LA	493300-013	WIPE	N	3546	10/3/2023 8:55:00 AM	S3VEM
ARCH-C9E-DG-3 TO 3.5-UP-C9.2-DG-231003-P-LA	493300-023	WIPE	N	3546	10/3/2023 7:45:00 AM	S3VEM
ARCH-C9E-EXT-1 TO 2-231003-P-DUP-WF	493300-005	WIPE	FD	3546	10/3/2023 7:55:00 AM	S3VEM
ARCH-C9E-EXT-1 TO 2-231003-P-WF	493300-004	WIPE	N	3546	10/3/2023 7:55:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/20/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 493321						
Method: 6010B						
231003-L-FIELDBLANK1-LO	493321-023	WIPE	FB	3050B	10/3/2023 7:30:00 AM	S2AVE
231003-L-MEDBLANK1	493321-024	WIPE	FB	3050B	10/3/2023 10:30:00 AM	S2AVE
ARCH-C10E-INT-2.5 TO 3.5-231003-L-DUP-WF	493321-005	WIPE	FD	3050B	10/3/2023 8:15:00 AM	S2AVE
ARCH-C10E-INT-2.5 TO 3.5-231003-L-WF	493321-004	WIPE	N	3050B	10/3/2023 8:15:00 AM	S2AVE
ARCH-C11E-PS-4.5-231003-L-3	493321-017	WIPE	N	3050B	10/3/2023 9:25:00 AM	S2AVE
ARCH-C8E-DG-4 TO 4.5-UP-28.5-DG-231003-L-LA	493321-008	WIPE	N	3050B	10/3/2023 8:45:00 AM	S2AVE
ARCH-C8E-DG-4.5 TO 5-UP-28.4-DG-231003-L-LA	493321-015	WIPE	N	3050B	10/3/2023 9:40:00 AM	S2AVE
ARCH-C9E-DG-4 TO 4.5-231003-L-DUP-FB	493321-011	WIPE	N	3050B	10/3/2023 9:10:00 AM	S2AVE
ARCH-C9E-DG-4 TO 4.5-231003-L-FB	493321-010	WIPE	N	3050B	10/3/2023 9:10:00 AM	S2AVE
ARCH-C9E-DG-4 TO 4.5-DN-29.4-VS-231003-L-LA	493321-013	WIPE	N	3050B	10/3/2023 9:00:00 AM	S2AVE
ARCH-C9E-DG-5 TO 5.5-UP-29.5-DG-231003-L-LA	493321-021	WIPE	N	3050B	10/3/2023 9:55:00 AM	S2AVE
ARCH-C9E-INT-4.5 TO 5.5-231003-L-WF	493321-019	WIPE	N	3050B	10/3/2023 10:10:00 AM	S2AVE
ARCH-C9E-PS-3.5-231003-L-3	493321-002	WIPE	N	3050B	10/3/2023 8:30:00 AM	S2AVE
Method: 8082						
231003-P-FIELDBLANK1-LO	493321-022	WIPE	FB	3546	10/3/2023 7:30:00 AM	S2AVE
ARCH-C10E-INT-2.5 TO 3.5-231003-P-WF	493321-003	WIPE	N	3546	10/3/2023 8:15:00 AM	S2AVE
ARCH-C11E-PS-4.5-231003-P-G	493321-016	WIPE	N	3546	10/3/2023 9:25:00 AM	S2AVE
ARCH-C8E-DG-4 TO 4.5-UP-28.5-DG-231003-P-DUP-LA	493321-007	WIPE	FD	3546	10/3/2023 8:45:00 AM	S2AVE
ARCH-C8E-DG-4 TO 4.5-UP-28.5-DG-231003-P-LA	493321-006	WIPE	N	3546	10/3/2023 8:45:00 AM	S2AVE
ARCH-C8E-DG-4.5 TO 5-UP-28.4-DG-231003-P-LA	493321-014	WIPE	N	3546	10/3/2023 9:40:00 AM	S2AVE

Crossed out Samples IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/20/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
ARCH-C9E-DG-4 TO 4.5-231003-P-FB	493321-009	WIPE	N	3546	10/3/2023 9:10:00 AM	S2AVE
ARCH-C9E-DG-4 TO 4.5-DN-C9.4-VS-231003-P-LA	493321-012	WIPE	N	3546	10/3/2023 9:00:00 AM	S2AVE
ARCH-C9E-DG-5 TO 5.5-UP-C9.5-DG-231003-P-LA	493321-020	WIPE	N	3546	10/3/2023 9:55:00 AM	S2AVE
ARCH-C9E-INT-4.5 TO 5.5-231003-P-WF	493321-018	WIPE	N	3546	10/3/2023 10:10:00 AM	S2AVE
ARCH-C9E-PS-3.5-231003-P-G	493321-001	WIPE	N	3546	10/3/2023 8:30:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/20/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Lab Reporting Batch: 494421

Method: 6010B

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
231023-L-FIELDBLANK2-LO	494421-020	WIPE	FB	3050B	10/23/2023 10:25:00 AM	S3VEM
231023-L-MEDBLANK2-LO	494421-021	WIPE	FB	3050B	10/23/2023 11:40:00 AM	S3VEM
ARCH-C10E-DG-5 TO 5.5-231023-L-FB	494421-002	WIPE	N	3050B	10/23/2023 7:40:00 AM	S3VEM
ARCH-C10E-PS-5.5-231023-L-G	494421-004	WIPE	N	3050B	10/23/2023 8:00:00 AM	S3VEM
ARCH-C11E-DG-6 TO 6.5-231023-L-FB	494421-010	WIPE	N	3050B	10/23/2023 9:05:00 AM	S3VEM
ARCH-C11E-PS-6.5-231023-L-G	494421-012	WIPE	N	3050B	10/23/2023 9:30:00 AM	S3VEM
ARCH-C8E-DG-5 TO 5.5-UP-C8.3-DG-231023-L-LA	494421-001	WIPE	N	3050B	10/23/2023 7:30:00 AM	S3VEM
ARCH-C8E-DG-6 TO 6.5-UP-C8.1-HS-231023-L-LA	494421-008	WIPE	N	3050B	10/23/2023 8:40:00 AM	S3VEM
ARCH-C8E-DG-7 TO 7.5-UP-C8.7-DG-231023-L-LA	494421-014	WIPE	N	3050B	10/23/2023 9:45:00 AM	S3VEM
ARCH-C8E-DG-7.5 TO 8-DN-C8.6-VS-231023-L-LA	494421-017	WIPE	N	3050B	10/23/2023 10:15:00 AM	S3VEM
ARCH-C8E-DG-8 TO 9-DN-C8.6-VS-231023-L-LA	494421-019	WIPE	N	3050B	10/23/2023 10:30:00 AM	S3VEM
ARCH-C8E-EXT-6 TO 7-231023-L-WF	494421-007	WIPE	N	3050B	10/23/2023 8:30:00 AM	S3VEM
ARCH-C8E-INT-6.5 TO 7-231023-L-WF	494421-013	WIPE	N	3050B	10/23/2023 9:40:00 AM	S3VEM
ARCH-C8E-PS-5.5-231023-L-G	494421-003	WIPE	N	3050B	10/23/2023 7:50:00 AM	S3VEM
ARCH-C9E-DG-5.5 TO 6-231023-L-FB	494421-005	WIPE	N	3050B	10/23/2023 8:10:00 AM	S3VEM
ARCH-C9E-DG-5.5 TO 6-DN-C9.6-DG-231023-L-LA	494421-006	WIPE	N	3050B	10/23/2023 8:20:00 AM	S3VEM
ARCH-C9E-DG-6 TO 6.5-DN-C9.7-VS-231023-L-LA	494421-009	WIPE	N	3050B	10/23/2023 8:50:00 AM	S3VEM
ARCH-C9E-DG-7 TO 7.5-231023-L-FB	494421-015	WIPE	N	3050B	10/23/2023 9:55:00 AM	S3VEM
ARCH-C9E-DG-7 TO 7.5-DN-C9.2-VS-231023-L-LA	494421-016	WIPE	N	3050B	10/23/2023 10:00:00 AM	S3VEM
ARCH-C9E-DG-7.5 TO 8-DN-C9.3-VS-231023-L-LA	494421-018	WIPE	N	3050B	10/23/2023 10:20:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/20/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 6010B						
~~ARCH-C9E-PS-6.5-231023-L-3~~	494421-011	WIPE	N	3050B	10/23/2023 9:15:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (12/19/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 494459						
Method: 6010B						
:31023-L-FIELDBLANK1-HO	494459-024	WIPE	FB	3050B	10/23/2023 7:30:00 AM	S3VEM
:31023-L-MEDBLANK1-HO	494459-025	WIPE	FB	3050B	10/23/2023 11:45:00 AM	S3VEM
\FRAME-C10E-MED-L2- IS-1-231023-L-G	494459-002	WIPE	N	3050B	10/23/2023 7:50:00 AM	S3VEM
\FRAME-C10E-MED-L2-INT-0 'O 0.5-231023-L-FB	494459-018	WIPE	N	3050B	10/23/2023 9:45:00 AM	S3VEM
\FRAME-C11E-MED-L2- :XT-0 TO 1-231023-L-WF	494459-019	WIPE	N	3050B	10/23/2023 9:50:00 AM	S3VEM
\FRAME-C11E-MED-L2- NT-0.5 TO 1-231023-L-FB	494459-013	WIPE	N	3050B	10/23/2023 8:00:00 AM	S3VEM
\FRAME-C8E-LAT-L1-INT-1 'O 2-231023-L-FB	494459-022	WIPE	N	3050B	10/23/2023 10:25:00 AM	S3VEM
\FRAME-C8E-LAT-L2-EXT-0 'O 1-231023-L-DUP-WF	494459-005	WIPE	FD	3050B	10/23/2023 8:55:00 AM	S3VEM
\FRAME-C8E-LAT-L2-EXT-0 'O 1-231023-L-WF	494459-004	WIPE	N	3050B	10/23/2023 8:55:00 AM	S3VEM
\FRAME-C8E-LAT-L2-INT-0.5 'O 1-231023-L-FB	494459-006	WIPE	N	3050B	10/23/2023 8:45:00 AM	S3VEM
\FRAME-C8E-LAT-L2-UP- :8.1-VS-231023-L-I	494459-007	WIPE	N	3050B	10/23/2023 8:36:00 AM	S3VEM
\FRAME-C8E-MED-L1-EXT-2 'O 3-231023-L-WF	494459-021	WIPE	N	3050B	10/23/2023 10:10:00 AM	S3VEM
\FRAME-C8E-MED-L1-UP- :8.1-DG-231023-L-SS	494459-020	WIPE	N	3050B	10/23/2023 10:15:00 AM	S3VEM
\FRAME-C8E-MED-L2-DN- :8.2-DG-231023-L-LA	494459-014	WIPE	N	3050B	10/23/2023 9:15:00 AM	S3VEM
\FRAME-C9E-LAT-L2-EXT-0 'O 1-231023-L-DUP-WF	494459-009	WIPE	FD	3050B	10/23/2023 8:25:00 AM	S3VEM
\FRAME-C9E-LAT-L2-EXT-0 'O 1-231023-L-WF	494459-008	WIPE	N	3050B	10/23/2023 8:25:00 AM	S3VEM
\FRAME-C9E-LAT-L2-INT-0.5 'O 1-231023-L-FB	494459-010	WIPE	N	3050B	10/23/2023 8:15:00 AM	S3VEM
\FRAME-C9E-LAT-L2-UP- :9.1-VS-231023-L-I	494459-012	WIPE	N	3050B	10/23/2023 8:10:00 AM	S3VEM
\FRAME-C9E-MED-L2-DN- :9.5-DG-231023-L-LA	494459-017	WIPE	N	3050B	10/23/2023 9:35:00 AM	S3VEM
\FRAME-C9E-MED-L2-INT-0 'O 0.5-231023-L-FB	494459-016	WIPE	N	3050B	10/23/2023 9:25:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (12/19/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 6010B						
\FRAME-C9E-MED-L3-DN- :9.2-DG-231023-L-LA	494459-001	WIPE	N	3050B	10/23/2023 7:40:00 AM	S3VEM
Method: 8082						
:31023-P-FIELDBLANK1-HO	494459-023	WIPE	FB	3546	10/23/2023 7:30:00 AM	S3VEM
\FRAME-C8E-LAT-L2-EXT-0 'O 1-231023-P-WF	494459-003	WIPE	N	3546	10/23/2023 8:55:00 AM	S3VEM
\FRAME-C9E-LAT-L2-UP- :9.1-VS-231023-P-I	494459-011	WIPE	N	3546	10/23/2023 8:10:00 AM	S3VEM
\FRAME-C9E-MED-L2-INT-0 'O 0.5-231023-P-FB	494459-015	WIPE	N	3546	10/23/2023 9:25:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/20/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 494537						
Method: 6010B						
231024-L-FIELDBLANK2-HO	494537-032	WIPE	FB	3050B	10/24/2023 10:05:00 AM	S2AVE
231024-L-FIELDBLANK3-HO	494537-034	WIPE	FB	3050B	10/24/2023 7:52:00 AM	S2AVE
231024-L-MEDBLANK2-HO	494537-033	WIPE	FB	3050B	10/24/2023 12:30:00 PM	S2AVE
231024-L-MEDBLANK3-HO	494537-035	WIPE	FB	3050B	10/24/2023 12:28:00 PM	S2AVE
AFRAME-C10E-LAT-L1-HS-3-231024-L-A	494537-009	WIPE	N	3050B	10/24/2023 8:55:00 AM	S2AVE
AFRAME-C10E-LAT-L3-EXT-0O 1-231024-L-DUP-WF	494537-028	WIPE	FD	3050B	10/24/2023 9:25:00 AM	S2AVE
AFRAME-C10E-LAT-L3-EXT-0O 1-231024-L-WF	494537-027	WIPE	N	3050B	10/24/2023 9:25:00 AM	S2AVE
AFRAME-C11E-LAT-L1-INT-1O 2-231024-L-FB	494537-014	WIPE	N	3050B	10/24/2023 9:50:00 AM	S2AVE
AFRAME-C11E-MED-L1-HS-3-231024-L-A	494537-010	WIPE	N	3050B	10/24/2023 9:05:00 AM	S2AVE
AFRAME-C8E-LAT-L1-HS-3-231024-L-A	494537-003	WIPE	N	3050B	10/24/2023 8:05:00 AM	S2AVE
AFRAME-C8E-LAT-L3-UP-8.6-HS-231024-L-LA	494537-023	WIPE	N	3050B	10/24/2023 9:05:00 AM	S2AVE
AFRAME-C8E-MED-L1-DN-8.7-DG-231024-L-SS	494537-015	WIPE	N	3050B	10/24/2023 10:00:00 AM	S2AVE
AFRAME-C8E-MED-L1-UP-8.6-DG-231024-L-SS	494537-004	WIPE	N	3050B	10/24/2023 8:15:00 AM	S2AVE
AFRAME-C8E-MED-L2-HS-1-231024-L-G	494537-030	WIPE	N	3050B	10/24/2023 9:45:00 AM	S2AVE
AFRAME-C8E-MED-L3-DN-8.7-DG-231024-L-LA	494537-031	WIPE	N	3050B	10/24/2023 10:00:00 AM	S2AVE
AFRAME-C8E-MED-L3-UP-8.4-DG-231024-L-LA	494537-024	WIPE	N	3050B	10/24/2023 8:55:00 AM	S2AVE
AFRAME-C9E-LAT-L1-HS-3-231024-L-A	494537-005	WIPE	N	3050B	10/24/2023 8:30:00 AM	S2AVE
AFRAME-C9E-LAT-L1-INT-1O 2-231024-L-DUP-FB	494537-013	WIPE	FD	3050B	10/24/2023 9:35:00 AM	S2AVE
AFRAME-C9E-LAT-L1-INT-1O 2-231024-L-FB	494537-012	WIPE	N	3050B	10/24/2023 9:35:00 AM	S2AVE
AFRAME-C9E-LAT-L1-UP-9.1-VS-231024-L-I	494537-036	WIPE	N	3050B	10/24/2023 8:40:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/20/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Method: 6010B							
\FRAME-C9E-LAT-L1-UP-C9.7-VS-231024-L-I	494537-006	WIPE	N	3050B		10/24/2023 8:50:00 AM	S2AVE
\FRAME-C9E-LAT-L3-DN-C9.5-DG-231024-L-LA	494537-001	WIPE	N	3050B		10/24/2023 10:10:00 AM	S2AVE
\FRAME-C9E-LAT-L3-UP-C9.1-HS-231024-L-LA	494537-025	WIPE	N	3050B		10/24/2023 9:20:00 AM	S2AVE
\FRAME-C9E-MED-L1-DN-C9.7-DG-231024-L-SS	494537-017	WIPE	N	3050B		10/24/2023 10:20:00 AM	S2AVE
\FRAME-C9E-MED-L1-DN-C9E-DG-231024-L-SS	494537-018	WIPE	N	3050B		10/24/2023 10:10:00 AM	S2AVE
\FRAME-C9E-MED-L1-EXT-0TO 1-231024-L-WF	494537-016	WIPE	N	3050B		10/24/2023 10:05:00 AM	S2AVE
\FRAME-C9E-MED-L1-UP-C9.6-DG-231024-L-SS	494537-008	WIPE	N	3050B		10/24/2023 9:15:00 AM	S2AVE
\FRAME-C9E-MED-L1-UP-C9E-DG-231024-L-LA	494537-011	WIPE	N	3050B		10/24/2023 9:25:00 AM	S2AVE
\FRAME-C9E-MED-L3-EXT-1TO 2-231024-L-DUP-WF	494537-020	WIPE	FD	3050B		10/24/2023 8:25:00 AM	S2AVE
\FRAME-C9E-MED-L3-EXT-1TO 2-231024-L-WF	494537-019	WIPE	N	3050B		10/24/2023 8:25:00 AM	S2AVE
\FRAME-C9E-MED-L3-UP-C9.7-DG-231024-L-LA	494537-021	WIPE	N	3050B		10/24/2023 8:45:00 AM	S2AVE
Method: 8082							
\FRAME-C10E-LAT-L3-EXT-0TO 1-231024-P-WF	494537-026	WIPE	N		3546	10/24/2023 9:25:00 AM	S2AVE
\FRAME-C8E-LAT-L1-HS-3-231024-P-A	494537-002	WIPE	N		3546	10/24/2023 8:05:00 AM	S2AVE
\FRAME-C8E-LAT-L3-UP-C8.6-HS-231024-P-LA	494537-022	WIPE	N		3546	10/24/2023 9:05:00 AM	S2AVE
\FRAME-C8E-MED-L2-HS-1-231024-P-G	494537-029	WIPE	N		3546	10/24/2023 9:45:00 AM	S2AVE
\FRAME-C9E-MED-L1-UP-C9.6-DG-231024-P-SS	494537-007	WIPE	N		3546	10/24/2023 9:15:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/20/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 494547						
Method: 6010B						
ARCH-C11E-EXT-8 TO 9-231024-L-WF	494547-001	WIPE	N	3050B	10/24/2023 7:55:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 5.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/20/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 494548						
Method: 6010B						
AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-L-LA	494548-003	WIPE	N	3050B	10/24/2023 8:10:00 AM	S3VEM
AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-L-LA	494548-005	WIPE	N	3050B	10/24/2023 8:35:00 AM	S3VEM
Method: 8082						
AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-DUP-LA	494548-002	WIPE	FD	3546	10/24/2023 8:10:00 AM	S3VEM
AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-LA	494548-001	WIPE	N	3546	10/24/2023 8:10:00 AM	S3VEM
AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-P-LA	494548-004	WIPE	N	3546	10/24/2023 8:35:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/20/2023) **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: 493300
EDD Filename: 493300

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 493321
EDD Filename: Prep493321

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 494421
EDD Filename: Prep494421

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 494459
EDD Filename: Prep494459

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 494537
EDD Filename: Prep494537

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 494547
EDD Filename: Prep494547

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 494548
EDD Filename: Prep494548

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

~~493300~~

SDG# 493300 does not contain samples collected within the High Occupancy Area of Zone 5.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826A3b
SDG #: 493300
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 11/8/23
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%D ≤20 ICV ≤15
III.	Continuing calibration	A	CCV ≤15
IV.	Laboratory Blanks	A	
V.	Field blanks	N ~~ND~~	~~FB=EB 11~~ BMowell 11/20/2023
VI.	Surrogate spikes /17	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	CO
VIII.	Laboratory control samples	A	LCS
IX.	Field duplicates	ND	D = 2,3 4,5
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-C8E-EXT-1 TO 2-231003-P-WF		493300-001	Wipe	10/03/23
2	ARCH-C9E-EXT-1 TO 2-231003-P-WF	D	493300-004	Wipe	10/03/23
3	ARCH-C9E-EXT-1 TO 2-231003-P-DUP-WF	D	493300-005	Wipe	10/03/23
4	ARCH-C8E-DG-1.5 TO 2-DN-C8.7-VS-231003-P-LA	P_1	493300-007	Wipe	10/03/23
5	ARCH-C8E-DG-1.5 TO 2-DN-C8.7-VS-231003-P-DUP-LA	D_1	493300-008	Wipe	10/03/23
6	ARCH-C10E-DG-1.5 TO 2-231003-P-FB		493300-010	Wipe	10/03/23
7	ARCH-C9E-DG-2 TO 2.5-UP-C9.1-HM-231003-P-LA		493300-013	Wipe	10/03/23
8	ARCH-C11E-INT-1.5 TO 2.5-231003-P-WF		493300-015	Wipe	10/03/23
9	ARCH-C8E-PS-2.5-231003-P-G		493300-017	Wipe	10/03/23
10	ARCH-C10E-PS-2.5-231003-P-G		493300-019	Wipe	10/03/23
11	ARCH-C8E-DG-3 TO 3.5-231003-P-FB		493300-021	Wipe	10/03/23
12	ARCH-C9E-DG-3 TO 3.5-UP-C9.2-DG-231003-P-LA		493300-023	Wipe	10/03/23
13					

Notes:

	323800						

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57426A35 **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% (FT)?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ~~≤ 20%~~ ≤ 15% (FT)?	✓			
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?	✓			LCSD was not available therefore the %RPD could not be calculated/reported.
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 #: _57826A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: ____FT____

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	10/5/2023	Aroclor 1016-1 ChA	0.0240	0.0240	0.0226	0.0226	16	16
	GC06		Aroclor 1016-1 ChB	0.0196	0.0196	0.0190	0.0190	13	13

LDC #: _57826A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: ____FT____

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	9/8/2023	Aroclor 1260-1 ChA	0.0553	0.0553	0.0522	0.0522	16	16
	GC07		Aroclor 1260-1 ChB	0.0584	0.0584	0.0579	0.0579	18	18

LDC #: 57826A3h

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 GC06	10/5/23 1645	Aroclor 1016 chA	500.0	505.7	505.7	1	1
			Aroclor 1016 chB	500.0	533.2	533.2	7	7
2	ccv GC07	10/5/23 1301	Aroclor 1260 chA	500.0	514.0	514.0	3	3
			Aroclor 1260 chB	500.0	544.7	544.7	9	9
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 #: 57826A3b

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	33.5689	67	67	0
DCB	ch B	↓	24.9692	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-Diffuorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 57826A3b

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: 32 3400 - LCS

Compound	Spike Added (ug/100) cm^2		Spike Sample Concentration (ug/100 cm^2		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	0.500	NA	0.494	NA	99	99				

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 #: 57826A3b

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. 323800-LCS Compound Name Aroclor 1260

Concentration = $\frac{49.44 \quad (10)}{(1.0)\ (1000)}$ =

0.4944 ug /100 cm^2

ch B

#	Sample ID	Compound	Reported Concentrations (ug/100 gm^2	Recalculated Results Concentrations (ug/100)cm^2	Qualifications
	LCS	Aroclor 1260	0.4944	0.499	
	Aroclor 1260-1	= (17600401.96)(20.0) / (12642655.2)(0.0565) = 49.29		1260-1 =	49.29
				2 =	50.73
				3 =	48.58
				4 =	50.95
				5 =	47.68
					49.44

Comments:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826A4b
SDG #: 493300
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 11/15/2023
Page: 1 of 1
Reviewer: JC
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), (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	ARCH-C8E-EXT-1 TO 2-231003-L-WF	493300-002	Wipe	10/03/23
2	ARCH-C8E-EXT-1 TO 2-231003-L-DUP-WF	493300-003	Wipe	10/03/23
3	ARCH-C9E-EXT-1 TO 2-231003-L-WF	493300-006	Wipe	10/03/23
4	ARCH-C8E-DG-1.5 TO 2-DN-C8.7-VS-231003-L-LA	493300-009	Wipe	10/03/23
5	ARCH-C10E-DG-1.5 TO 2-231003-L-FB	493300-011	Wipe	10/03/23
6	ARCH-C10E-DG-1.5 TO 2-231003-L-DUP-FB	493300-012	Wipe	10/03/23
7	ARCH-C9E-DG-2 TO 2.5-UP-C9.1-HM-231003-L-LA	493300-014	Wipe	10/03/23
8	ARCH-C11E-INT-1.5 TO 2.5-231003-L-WF	493300-016	Wipe	10/03/23
9	ARCH-C8E-PS-2.5-231003-L-G	493300-018	Wipe	10/03/23
10	ARCH-C10E-PS-2.5-231003-L-G	493300-020	Wipe	10/03/23
11	ARCH-C8E-DG-3 TO 3.5-231003-L-FB	493300-022	Wipe	10/03/23
12	ARCH-C9E-DG-3 TO 3.5-UP-C9.2-DG-231003-L-LA	493300-024	Wipe	10/03/23
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?	Yes			
Were all water samples preserved to a pH of <2.	~~Yes~~		NA	4/8/2024
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?		No		
Were target analytes detected in the field blanks?			NA	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Validation Area	Yes	No	NA	Comments
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable)	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

VALIDATION FINDINGS WORKSHEETS
Interference Check Sample A

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit	Associated Samples	Qualification*	Det/ND
10/4/2023	8:56	ICSA	Pb	-0.01021	0.00334	All	No qual (sample interferents <ICSA)	Det

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is estabilised at 10x the absolute value of the contamination.

Field Duplicate RPD Report

Lab Reporting Batch ID: 493300 **Laboratory: Enthalpy Orange**

EDD Filename: 493300 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C10E-DG-1.5 TO 2-231003-L-FB	ARCH-C10E-DG-1.5 TO 2-231003-L-DUP-FB			
LEAD	70	130	60	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C8E-EXT-1 TO 2-231003-L-WF (TOT)	ARCH-C8E-EXT-1 TO 2-231003-L-DUP-WF			
LEAD	11	14	24	100.00	No Qualifiers Applied

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	1	2		
Lead	11	14	24	

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	5	6		
Lead	70	130	60	

VALIDATION FINDINGS CHECKLIST
Calibration Calculation Verification

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis
True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (mg/L)	True (mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	0.9879	1	99	99	Y
CCV	ICP		1.02	1	102	102	Y
LLCC	ICP						
ICSAB	ICP	Pb	0.9764	1	98	98	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)
QC1097963	LCS	Pb	49.65	50	99.3	99	Y
	MS						
QC1097963/64	Duplicate	Pb	49.65	49.62	0	0	Y
	PDS						
	Serial dilution						

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 (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	0.217575	1	1	50	100	11	11	Y
2	↓	0.278315	1	1	50	100	14	14	Y
3	↓	0.252954	1	1	50	100	13	13	Y
4	↓	3.43609	1	1.02	50	100	170	168	Y
5	↓	1.40037	1	1	50	100	70	70	Y
6	↓	2.58747	1	1	50	100	130	129	Y
7	↓	1.89437	1	1.02	50	100	93	93	Y
8	↓	2.28586	1	1	50	100	110	114	Y
9	↓	2.43519	1	1.0828	50	100	110	112	Y
10	↓	4.24865	1	1.1104	50	100	190	191	Y
11	↓	2.019	1	1	50	100	100	101	Y
12	↓	1.07982	1	1.04	50	100	52	52	Y

Quality Control
Outlier Reports

~~493321~~

SDG# 493321 does not contain samples collected within the High Occupancy Area of Zone 5.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826B3b
SDG #: 493321
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 11/20/2023
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB=11
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD=4/3
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-C9E-PS-3.5-231003-P-G	493321-001	Wipe	10/03/23
2	ARCH-C10E-INT-2.5 TO 3.5-231003-P-WF	493321-003	Wipe	10/03/23
3	ARCH-C8E-DG-4 TO 4.5-UP-C8.5-DG-231003-P-LA	493321-006	Wipe	10/03/23
4	ARCH-C8E-DG-4 TO 4.5-UP-C8.5-DG-231003-P-DUP-LA	493321-007	Wipe	10/03/23
5	ARCH-C9E-DG-4 TO 4.5-231003-P-FB	493321-009	Wipe	10/03/23
6	ARCH-C9E-DG-4 TO 4.5-DN-C9.4-VS-231003-P-LA	493321-012	Wipe	10/03/23
7	ARCH-C8E-DG-4.5-TO 5-UP-C8.4-DG-231003-P-LA	493321-014	Wipe	10/03/23
8	ARCH-C11E-PS-4.5-231003-P-G	493321-016	Wipe	10/03/23
9	ARCH-C9E-INT-4.5 TO 5.5-231003-P-WF	493321-018	Wipe	10/03/23
10	ARCH-C9E-DG-5 TO 5.5-UP-C9.5-DG-231003-P-LA	493321-020	Wipe	10/03/23
11	231003-P-FIELDBLANK1-LO	493321-022	Wipe	10/03/23
12				
13				

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826B4b
SDG #: 493321
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 11/15/2023
Page: 1 of 1
Reviewer: JC
2nd Reviewer: MM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	~~NA~~ SW MM 11/20/2023	FB=12,13
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	(2,3), (5,6)
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-C9E-PS-3.5-231003-L-G	493321-002	Wipe	10/03/23
2	ARCH-C10E-INT-2.5 TO 3.5-231003-L-WF	493321-004	Wipe	10/03/23
3	ARCH-C10E-INT-2.5 TO 3.5-231003-L-DUP-WF	493321-005	Wipe	10/03/23
4	ARCH-C8E-DG-4 TO 4.5-UP-C8.5-DG-231003-L-LA	493321-008	Wipe	10/03/23
5	ARCH-C9E-DG-4 TO 4.5-231003-L-FB	493321-010	Wipe	10/03/23
6	ARCH-C9E-DG-4 TO 4.5-231003-L-DUP-FB	493321-011	Wipe	10/03/23
7	ARCH-C9E-DG-4 TO 4.5-DN-C9.4-VS-231003-L-LA	493321-013	Wipe	10/03/23
8	ARCH-C8E-DG-4.5-TO 5-UP-C8.4-DG-231003-L-LA	493321-015	Wipe	10/03/23
9	ARCH-C11E-PS-4.5-231003-L-G	493321-017	Wipe	10/03/23
10	ARCH-C9E-INT-4.5 TO 5.5-231003-L-WF	493321-019	Wipe	10/03/23
11	ARCH-C9E-DG-5 TO 5.5-UP-C9.5-DG-231003-L-LA	493321-021	Wipe	10/03/23
12	231003-L-FIELDBLANK1-LO	493321-023	Wipe	10/03/23
13	231003-L-MEDBLANK1	493321-024	Wipe	10/03/23
14				
15				
16				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 493321

Laboratory: Enthalpy Orange

EDD Filename: Prep493321

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	231003-L-FIELDBLANK1-LO	1.1	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 493321 **Laboratory: Enthalpy Orange**

EDD Filename: Prep493321 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C10E-INT-2.5 TO 3.5-231003-L-WF	ARCH-C10E-INT-2.5 TO 3.5-231003-L-DUP-			
LEAD	94	96	2	100.00	No Qualifiers Applied

Quality Control Outlier Reports

~~494421~~

SDG# 494421 does not contain samples collected within the High Occupancy Area of Zone 5.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826C4b
SDG #: 494421
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 11/15/2023
Page: 1 of 2
Reviewer: JC
2nd Reviewer: BM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	SW	ICB/CCB
V.	Field Blanks	ND	FB = 20, 21
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C8E-DG-5 TO 5.5-UP-C8.3-DG-231023-L-LA	494421-001	Wipe	10/23/23
2	ARCH-C10E-DG-5 TO 5.5-231023-L-FB	494421-002	Wipe	10/23/23
3	ARCH-C8E-PS-5.5-231023-L-G	494421-003	Wipe	10/23/23
4	ARCH-C10E-PS-5.5-231023-L-G	494421-004	Wipe	10/23/23
5	ARCH-C9E-DG-5.5 TO 6-231023-L-FB	494421-005	Wipe	10/23/23
6	ARCH-C9E-DG-5.5 TO 6-DN-C9.6-DG-231023-L-LA	494421-006	Wipe	10/23/23
7	ARCH-C8E-EXT-6 TO 7-231023-L-WF	494421-007	Wipe	10/23/23
8	ARCH-C8E-DG-6 TO 6.5-UP-C8.1-HS-231023-L-LA	494421-008	Wipe	10/23/23
9	ARCH-C9E-DG-6 TO 6.5-DN-C9.7-VS-231023-L-LA	494421-009	Wipe	10/23/23
10	ARCH-C11E-DG-6 TO 6.5-231023-L-FB	494421-010	Wipe	10/23/23
11	ARCH-C9E-PS-6.5-231023-L-G	494421-011	Wipe	10/23/23
12	ARCH-C11E-PS-6.5-231023-L-G	494421-012	Wipe	10/23/23
13	ARCH-C8E-INT-6.5 TO 7-231023-L-WF	494421-013	Wipe	10/23/23
14	ARCH-C8E-DG-7 TO 7.5-UP-C8.7-DG-231023-L-LA	494421-014	Wipe	10/23/23
15	ARCH-C9E-DG-7 TO 7.5-231023-L-FB	494421-015	Wipe	10/23/23
16	ARCH-C9E-DG-7 TO 7.5-DN-C9.2-VS-231023-L-LA	494421-016	Wipe	10/23/23
17	ARCH-C8E-DG-7.5 TO 8-DN-C8.6-VS-231023-L-LA	494421-017	Wipe	10/23/23

LDC #: 57826C4b

SDG #: 494421

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 11/15/2023

Page: 2 of 2

Reviewer: SC

2nd Reviewer: MM

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C9E-DG-7.5 TO 8-DN-C9.3-VS-231023-L-LA	494421-018	Wipe	10/23/23
19	ARCH-C8E-DG-8 TO 9-DN-C8.6-VS-231023-L-LA	494421-019	Wipe	10/23/23
20	231023-L-FIELDBLANK2-LO	494421-020	Wipe	10/23/23
21	231023-L-MEDBLANK2-LO	494421-021	Wipe	10/23/23
22				
23				
24				

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.	~~Yes~~		NA	BrandNewell 4/8/2024
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?	Yes			
VI. Field Blanks				
Were field blanks identified in this SDG?	Yes			
Were target analytes detected in the field blanks?		No		

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Validation Area	Yes	No	NA	Comments
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable)	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?			NA	
Were target analytes detected in the field duplicates?			NA	
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

VALIDATION FINDINGS WORKSHEETS
Interference Check Sample A

Reviewer: JC

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
10/24/2023	11:57	ICSA	Pb	0.006729	0.00333	All	No qual (sample interferents <ICSA)	Det = 1-19 ND = 20-21

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is estabilised at 10x the absolute value of the contamination.

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: ug/ft2 Associated Samples: 19-21

10/24/2023 15:42				Sample Identification								
Analyte	**PB (units)**	**Maximum ICB/CCB (mg/L)**	**Action Level**									
Pb		0.001836										

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is established at 5X the highest ICB, CCB, or PB concentration.

METHOD: 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	1.026	1	103	103	Y
CCV	ICP	↓	1.071	1	107	107	Y
LLCC	ICP						
ICSAB	ICP	↓	1.029	1	103	103	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

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)
QC1102279	LCS	Pb	111.3	100	111	111	Y
	MS						
QC1102279/80	Duplicate	↓	111.3	116	4	4	Y
	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 (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	1.28997858	1	1	50	100	64	64	Y
2	↓	0.5051472	1	1	50	100	25	25	Y
3	↓	1.49652788	1	1.0828	50	100	69	69	Y
4	↓	1.57031868	1	1.1104	50	100	71	71	Y
5	↓	0.7514651	1	1	50	100	38	38	Y
6	↓	1.75385893	1	1	50	100	88	88	Y
7	↓	1.68580564	1	1	50	100	84	84	Y
8	↓	4.56304727	1	1.02	50	100	220	224	Y
9	↓	1.83263513	1	1	50	100	92	92	Y
10	↓	1.11789605	1	1	50	100	56	56	Y
11	↓	1.13260122	1	1.0552	50	100	54	54	Y
12	↓	1.57452904	1	1.0828	50	100	73	73	Y
13	↓	0.54626592	1	1	50	100	27	27	Y
14	↓	2.3263693	1	1.02	50	100	110	114	Y
15	↓	0.51706363	1	1	50	100	26	26	Y
16	↓	1.97061964	1	1	50	100	99	99	Y
17	↓	1.00814927	1	1	50	100	50	50	Y
18	↓	2.25580561	1	1.02	50	100	110	111	Y
19	↓	1.67339176	1	1.02	50	100	82	82	Y
20	↓	ND	1	1	50	100	ND	ND	Y
21	↓	ND	1	1	50	100	ND	ND	Y

Quality Control
Outlier Reports

494459

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826D3b
SDG #: 494459
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 12/18/23
Page: 1 of 1
Reviewer: EG
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	A / A	%RSD ≤ 20 ICV ≤ 15
III.	Continuing calibration	A	CCV ≤ 15
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB= 4
VI.	Surrogate spikes /15	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-C8E-LAT-L2-EXT-0 TO 1-231023-P-WF	494459-003	Wipe	10/23/23
2	AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-P-I	494459-011	Wipe	10/23/23
3	AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-P-FB	494459-015	Wipe	10/23/23
4	231023-P-FIELDBLANK1-HO	494459-023	Wipe	10/23/23
5				
6				
7				
8				
9				
13				

Notes:

	3251'99						

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826D3b

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 analytes detected in the field blanks?		✓		
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

LDC #: 57426D3b

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
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 #: 57826D3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	10/16/2023	Aroclor 1016-1 ChA	0.0226	0.0226	0.0217	0.0217	17	17
	GC06		Aroclor 1016-1 ChB	0.0186	0.0186	0.0185	0.0185	14	14

LDC #: 57826D3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	10/26/23 1237	Aroclor 1016 ch A	500.0	424.3	424.3	15	15
			B	500.0	428.3	428.3	14	14
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 #: 57826D3b

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	34.28	69	69	0
DCB	↓	↓	28.9115	58	58	0

Sample ID: ___

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 57826D3b

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; SA = Spike added
LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 325199

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/100cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1016	5.00	5.00	4.369	4.283	87	87	86	86	2	2

Comments: _____

LDC #: 57826D3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: ✓ GC ___ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 325199-LCS Aroclor 1016

Concentration = $\frac{436.87 \quad (10)}{(1)\ (1000)}$ =

= 4.3687 ug/100 cm²

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations ( )	Qualifications
	LCS	Aroclor 1016	4.369		
	Aroclor 1016-1 =	5106613.02 (20.0) / 12642161.1 (0.0185)		1016-1 : 436.68	
				2 : 442.0	
				3 : 426.0	
		= 436.68		4 : 441.4	
				5 : 438.2	
				436.87	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826D4b

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 12/18/2023

SDG #: 494459

Page: 1 of 2

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: SC

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	SW	
V.	Field Blanks	SW	FB = 20, 21
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), (7,8)
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-C9E-MED-L3-DN-C9.2-DG-231023-L-LA	494459-001	Wipe	10/23/23
2	AFRAME-C10E-MED-L2-HS-1-231023-L-G	494459-002	Wipe	10/23/23
3	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-WF	494459-004	Wipe	10/23/23
4	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF	494459-005	Wipe	10/23/23
5	AFRAME-C8E-LAT-L2-INT-0.5 TO 1-231023-L-FB	494459-006	Wipe	10/23/23
6	AFRAME-C8E-LAT-L2-UP-C8.1-VS-231023-L-I	494459-007	Wipe	10/23/23
7	AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-WF	494459-008	Wipe	10/23/23
8	AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-DUP-WF	494459-009	Wipe	10/23/23
9	AFRAME-C9E-LAT-L2-INT-0.5 TO 1-231023-L-FB	494459-010	Wipe	10/23/23
10	AFRAME-C9E-LAT-L2-UP-C9.1-VS-231023-L-I	494459-012	Wipe	10/23/23
11	AFRAME-C11E-MED-L2-INT-0.5 TO 1-231023-L-FB	494459-013	Wipe	10/23/23
12	AFRAME-C8E-MED-L2-DN-C8.2-DG-231023-L-LA	494459-014	Wipe	10/23/23
13	AFRAME-C9E-MED-L2-INT-0 TO 0.5-231023-L-FB	494459-016	Wipe	10/23/23
14	AFRAME-C9E-MED-L2-DN-C9.5-DG-231023-L-LA	494459-017	Wipe	10/23/23
15	AFRAME-C10E-MED-L2-INT-0 TO 0.5-231023-L-FB	494459-018	Wipe	10/23/23
16	AFRAME-C11E-MED-L2-EXT-0 TO 1-231023-L-WF	494459-019	Wipe	10/23/23
17	AFRAME-C8E-MED-L1-UP-C8.1-DG-231023-L-SS	494459-020	Wipe	10/23/23

LDC #: 57826D4b

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 12/18/2023

SDG #: 494459

Page: 2 of 2

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: SC

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C8E-MED-L1-EXT-2 TO 3-231023-L-WF	494459-021	Wipe	10/23/23
19	AFRAME-C8E-LAT-L1-INT-1 TO 2-231023-L-FB	494459-022	Wipe	10/23/23
20	231023-L-FIELDBLANK1-HO	494459-024	Wipe	10/23/23
21	231023-L-MEDBLANK1-HO	494459-025	Wipe	10/23/23
22				
23				
24				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.	~~Yes~~		NA	4/8/2024
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?	Yes			
Were target analytes detected in the field blanks?	Yes			

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Validation Area	Yes	No	NA	Comments
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable)	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

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
10/24/2023	9:56	ICSA	Pb	-0.01152	0.003333	1-9, 14-16, 18,19	No qual (sample interferents <ICSA)	Det = All
10/24/2023	11:57	ICSA	Pb	0.006729	0.003333	10-13, 17, 20,21	No qual (sample interferents <ICSA)	Det= 10-13,17,20 ND= 21

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is establised at 10x the absolute value of the contamination.

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Soil preparation factor applied (if applicable):

Sample Concentration, unless otherwise noted: ug/ft2 Associated Samples: 20,21

				Sample Identification								
Analyte	**PB (units)**	**Maximum ICB/CCB (mg/L)**	**Action Level**									
Pb		0.001836										

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is established at 5X the highest ICB, CCB, or PB concentration.

Field Blank Contamination Report

Lab Reporting Batch ID: 494459

Laboratory: Enthalpy Orange

EDD Filename: Prep494459

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	231023-L-FIELDBLANK1-HO	1.4	No Qualifiers Applied

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Blank units: ug/ft2 Associated sample units: ug/ft2
Sampling Date: 10/23/2023
Associated Samples: 1-19, 21

			Sample Identification									
Analyte	Blank ID	Action Level										
	20											
Pb	1.4	7										

Comments:

Field Duplicate RPD Report

Lab Reporting Batch ID: 494459 **Laboratory: Enthalpy Orange**

EDD Filename: Prep494459 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-	AFRAME-C9E-LAT-L2-EXT-0 TO 1-231023-L-			
LEAD	140	190	30	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-	AFRAME-C8E-LAT-L2-EXT-0 TO 1-231023-L-			
LEAD	490	390	23	100.00	No Qualifiers Applied

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤100)	Qualifiers (Parents Only)
	3	4		
Lead	490	390	23	

Analyte	Concentration (ug/ft2)		RPD (≤100)	Qualifiers (Parents Only)
	7	8		
Lead	140	190	30	

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	1.068	1	107	107	Y
CCV	ICP	Pb	1.083	1	108	108	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.026	1	103	103	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

VALIDATION FINDINGS CHECKLIST
Quality Control Sample Recalculations

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)
QC1102279	LCS	Pb	111.3	100	111	111	Y
	MS						
QC1102282/83	Duplicate	Pb	109.4	110.3	1	1	Y
	PDS						
	Serial dilution						

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Analytes were recalculated and verified using the following equation:
Concentration = (Result from raw data x Final volume x Dilution factor) / (Initial volume)

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Initial Weight/ Volume (ft2)	Final Volume (mL)	Reported Result (ug/ft2)	Recalculated Result (ug/ft2)	Acceptable (Y/N)
1	Pb	3.68188	1	1	50	180	184	Y
2	Pb	4.18846	1	1	50	210	209	Y
3	Pb	0.971865	10	1	50	490	486	Y
4	Pb	7.86726	1	1	50	390	393	Y
5	Pb	4.05075	1	1	50	200	203	Y
6	Pb	4.15312	1	1	50	210	208	Y
7	Pb	2.72995	1	1	50	140	136	Y
8	Pb	3.81032	1	1	50	190	191	Y
9	Pb	6.34179	1	1	50	320	317	Y
10	Pb	4.13950036	1	1	50	210	207	Y
11	Pb	5.44104811	1	1	50	270	272	Y
12	Pb	6.88854171	1	1	50	340	344	Y
13	Pb	4.74292363	1	1	50	240	237	Y
14	Pb	1.14217	10	1	50	570	571	Y
15	Pb	1.13395	10	1	50	570	567	Y
16	Pb	1.25104	10	1	50	630	626	Y
17	Pb	4.55186875	1	1	50	230	228	Y
18	Pb	1.16645	10	1	50	580	583	Y
19	Pb	1.05669	10	1	50	530	528	Y
20	Pb	0.02719503	1	1	50	1.4	1.4	Y
21	Pb	ND				ND	ND	Y

Quality Control
Outlier Reports

494537

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826E3b
SDG #: 494537
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 11/20/2023
Page: 1 of 1
Reviewer: JM
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	AFRAME-C8E-LAT-L1-HS-3-231024-P-A	494537-002	Wipe	10/24/23
2	AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-P-SS	494537-007	Wipe	10/24/23
3	AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-P-LA	494537-022	Wipe	10/24/23
4	AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-P-WF	494537-026	Wipe	10/24/23
5	AFRAME-C8E-MED-L2-HS-1-231024-P-G	494537-029	Wipe	10/24/23
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826E4b
SDG #: 494537
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 11/16/2023
Page: 1 of 2
Reviewer: JC
2nd Reviewer: [illegible]

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	FB= 27, 28, 29, 30
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	(10, 11), (17, 18), (23, 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-C9E-LAT-L3-DN-C9.5-DG-231024-L-LA	494537-001	Wipe	10/24/23
2	AFRAME-C8E-LAT-L1-HS-3-231024-L-A	494537-003	Wipe	10/24/23
3	AFRAME-C8E-MED-L1-UP-C8.6-DG-231024-L-SS	494537-004	Wipe	10/24/23
4	AFRAME-C9E-LAT-L1-HS-3-231024-L-A	494537-005	Wipe	10/24/23
5	AFRAME-C9E-LAT-L1-UP-C9.7-VS-231024-L-I	494537-006	Wipe	10/24/23
6	AFRAME-C9E-MED-L1-UP-C9.6-DG-231024-L-SS	494537-008	Wipe	10/24/23
7	AFRAME-C10E-LAT-L1-HS-3-231024-L-A	494537-009	Wipe	10/24/23
8	AFRAME-C11E-MED-L1-HS-3-231024-L-A	494537-010	Wipe	10/24/23
9	AFRAME-C9E-MED-L1-UP-C9E-DG-231024-L-LA	494537-011	Wipe	10/24/23
10	AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-L-FB	494537-012	Wipe	10/24/23
11	AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-L-DUP-FB	494537-013	Wipe	10/24/23
12	AFRAME-C11E-LAT-L1-INT-1 TO 2-231024-L-FB	494537-014	Wipe	10/24/23
13	AFRAME-C8E-MED-L1-DN-C8.7-DG-231024-L-SS	494537-015	Wipe	10/24/23
14	AFRAME-C9E-MED-L1-EXT-0 TO 1-231024-L-WF	494537-016	Wipe	10/24/23
15	AFRAME-C9E-MED-L1-DN-C9.7-DG-231024-L-SS	494537-017	Wipe	10/24/23
16	AFRAME-C9E-MED-L1-DN-C9E-DG-231024-L-SS	494537-018	Wipe	10/24/23
17	AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-L-WF	494537-019	Wipe	10/24/23

LDC #: 57826E4b **VALIDATION COMPLETENESS WORKSHEET** Date: 11/16/2023
SDG #: 494537 Stage 2A Page: 2 of 2
Laboratory: Enthalpy Analytical, Orange, CA Reviewer: JC
2nd Reviewer: [illegible]

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-L-DUP-WF	494537-020	Wipe	10/24/23
19	AFRAME-C9E-MED-L3-UP-C9.7-DG-231024-L-LA	494537-021	Wipe	10/24/23
20	AFRAME-C8E-LAT-L3-UP-C8.6-HS-231024-L-LA	494537-023	Wipe	10/24/23
21	AFRAME-C8E-MED-L3-UP-C8.4-DG-231024-L-LA	494537-024	Wipe	10/24/23
22	AFRAME-C9E-LAT-L3-UP-C9.1-HS-231024-L-LA	494537-025	Wipe	10/24/23
23	AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-L-WF	494537-027	Wipe	10/24/23
24	AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-L-DUP-WF	494537-028	Wipe	10/24/23
25	AFRAME-C8E-MED-L2-HS-1-231024-L-G	494537-030	Wipe	10/24/23
26	AFRAME-C8E-MED-L3-DN-C8.7-DG-231024-L-LA	494537-031	Wipe	10/24/23
27	231024-L-FIELDBLANK2-HO	494537-032	Wipe	10/24/23
28	231024-L-MEDBLANK2-HO	494537-033	Wipe	10/24/23
29	231024-L-FIELDBLANK3-HO	494537-034	Wipe	10/24/23
30	231024-L-MEDBLANK3-HO	494537-035	Wipe	10/24/23
31	AFRAME-C9E-LAT-L1-UP-C9.1-VS-231024-L-I	494537-036	Wipe	10/24/23
32				
33				
34				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 494537

Laboratory: Enthalpy Orange

EDD Filename: Prep494537

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	231024-L-FIELDBLANK2-HO	1.0	No Qualifiers Applied
	231024-L-FIELDBLANK3-HO	1.4	

Field Duplicate RPD Report

Lab Reporting Batch ID: 494537 **Laboratory: Enthalpy Orange**

EDD Filename: Prep494537 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-L-	AFRAME-C9E-LAT-L1-INT-1 TO 2-231024-L-			
LEAD	95	120	23	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-	AFRAME-C9E-MED-L3-EXT-1 TO 2-231024-L-			
LEAD	34	34	0	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-	AFRAME-C10E-LAT-L3-EXT-0 TO 1-231024-			
LEAD	42	41	2	100.00	No Qualifiers Applied

Quality Control Outlier Reports

~~494547~~

(No Outliers)

SDG# 494547 does not contain samples collected within the High Occupancy Area of Zone 5.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826F4b
SDG #: 494547
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 11/16/2023
Page: 1 of 1
Reviewer: JC
2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
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-C11E-EXT-8 TO 9-231024-L-WF	49547-001	Wipe	10/24/23
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

Quality Control
Outlier Reports

494548

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826G3b
SDG #: 494548
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 11/18/23
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%RSD ≤ 20 ICV ≤ 15
III.	Continuing calibration	A	CCV ≤ 15
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1/14	A	
VII.	Matrix spike/Matrix spike duplicates	N	CD
VIII.	Laboratory control samples	A	LCS 1
IX.	Field duplicates	ND	D = 1, 2
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-LA	D	494548-001	Wipe	10/24/23
2	AFRAME-C8E-LAT-L3-UP-C8.1-DG-231024-P-DUP-LA	D	494548-002	Wipe	10/24/23
3	AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-P-LA		494548-004	Wipe	10/24/23
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					

Notes:

	35199						

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57626 93h **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%?~~ ≤5%	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ~~≤ 20%?~~ ≤5%	✓			
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 #: _57826G3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: ____FT____

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

CF = A/C
average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where:
A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	10/16/2023	Aroclor 1016-1 ChA	0.0226	0.0226	0.0217	0.0217	17	17
	GC06		Aroclor 1016-1 ChB	0.0186	0.0186	0.0185	0.0185	14	14

LDC #: 57826 G3b

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 GC06	10/26/23 1237	Aroclor 1016	500.0	424.3	424.3	15	15
			↓	500.0	452.7	452.7	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 #: 57826936

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	37.6392	75	75	0
DCB	↓	↓	34.2018	68	68	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 #: 57826G3b

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: 325199-LCS/D

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/100 cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1016	5.0	5.0	4.369	4.283	87	87	86	86	2	2

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 #: 57826 G3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

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. 325199-LCS Compound Name Aroclor 1016

Concentration = $\frac{436.86\ (10)}{(1.0)\ (1000)}$ =

= 4.369 ug/100 cm²

chb

#	Sample ID	Compound	Reported Concentrations (ug/100)cm²	Recalculated Results Concentrations (ug/100 cm²	Qualifications
	~~Aroclor 10~~ LCS	Aroclor 1016	4.369	4.369	
				1016-	1 = 436.7
	Aroclor 1016-1 =	5106613.02 / 12642161.1	(20.0) (0.0185) = 436.7.		2 442.0
					3 426.0
					4 441.4
					5 438.2
					436.86

Comments:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 57826G4b
SDG #: 494548
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 11/16/2023
Page: 1 of 1
Reviewer: JC.
2nd Reviewer: BM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	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-C8E-LAT-L3-UP-C8.1-DG-231024-L-LA	494548-003	Wipe	10/24/23
2	AFRAME-C9E-LAT-L3-UP-C9.4-VS-231024-L-LA	494548-005	Wipe	10/24/23
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?	Yes			
Were all water samples preserved to a pH of <2.	~~Yes~~		NA	Blank Mark 4/8/2024
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Validation Area	Yes	No	NA	Comments
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable)	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?			NA	
Were target analytes detected in the field duplicates?			NA	
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

VALIDATION FINDINGS WORKSHEETS
Interference Check Sample A

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit	Associated Samples	Qualification*	Det/ND
10/25/2023	14:38	ICSA	Pb	-0.007747	0.00333	All	No qual (sample interferents <ICSA)	Det

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is estabilised at 10x the absolute value of the contamination.

VALIDATION FINDINGS CHECKLIST
Calibration Calculation Verification

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis
True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (mg/L)	True (mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.011	1	101.1	101	Y
CCV	ICP	↓	0.9892	1	99	99	Y
LLCC	ICP						
ICSAB	ICP	↓	1.038	1	104	104	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

VALIDATION FINDINGS CHECKLIST

Quality Control Sample Recalculations

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)
QC1102571	LCS	Pb	44.38	50	89	89	Y
	MS						
QC1102571/72	Duplicate	Pb	44.38	44.86	1	1	Y
	PDS						
	Serial dilution						

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 (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	1.03206928	1	1	50	100	52	52	Y
2	↓	1.46107856	1	1	50	100	73	73	Y