



Hangar 1 Data Summary Submittal

Low Occupancy Area of Zone 8
Former Naval Air Station Moffett Field, California

prepared on behalf of
Planetary Ventures, LLC

prepared by
Rincon Consultants, Inc.

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Acronyms and Abbreviations

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



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 Low Occupancy Area of Zone 8 of Hangar 1 (Figure 1), located at the Former Naval Air Station Moffett Field, California. This work was conducted pursuant to the Agency-approved Final Hangar 1 Non-Time-Critical Removal Action (NTCRA) Work Plan. This DSS has been prepared to document achievement of the Project Cleanup Goals for the structural steel within the Low Occupancy Area of Zone 8 within Hangar 1.

The National Association of Corrosion Engineers (NACE) inspection reports indicate that the lead and polychlorinated biphenyl (PCB) impacted paint was successfully removed and the surface cleanliness goal has been met, as seen in Attachment 1, and the data usability assessment indicates that the collected confirmation wipe sampling data are suitable for comparison against the numeric Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead concentration in the 69 confirmation wipe samples collected from within the Low Occupancy Area of Zone 8 was approximately 200 micrograms per square foot ($\mu\text{g}/\text{ft}^2$), which is less than the numeric Cleanup Goal for lead (i.e., 250 $\mu\text{g}/\text{ft}^2$). 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 $\mu\text{g}/100\text{ cm}^2$), which is less than the Cleanup Goal for PCBs, in any of the confirmation wipe samples collected from within the Low Occupancy Area of Zone 8.

As indicated by the NACE inspection reports and the lead and PCB confirmation wipe sampling results, the Low Occupancy Area of Zone 8 is suitable for unrestricted use. Based on the findings presented herein, PV requests that the United States Environmental Protection Agency and San Francisco Regional Water Quality Control Board provide concurrence that no further abatement is required for the Low Occupancy Area of Zone 8.



1 Introduction

Rincon Consultants, Inc. (Rincon) has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) to document attainment of the Project Cleanup Goals within the Low Occupancy Area¹ of Zone 8 of Hangar 1 (Figure 1), located at Former Naval Air Station Moffett Field, California, conducted pursuant the Agency-approved² 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 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 Low Occupancy Area of Zone 8 of Hangar 1 and includes:

- (1) The National Association of Corrosion Engineers (NACE) inspection reports documenting the removal of all visible paint from the abated surfaces and achievement of a NACE #3/Society for Protective Coatings (SSPC) SP-6 Surface Cleanliness Standard (Attachment 1);
- (2) The tabulated final 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 95-percent upper confidence limit (UCL) 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).

In addition to the information above, this DSS includes the final laboratory analytical reports for the clearance wipe samples collected from both the High and Low Occupancy Areas of Enclosures A, B, C, and D,³ and a table summarizing these results (Attachment 6).

¹ The Low Occupancy Area of Zone 8 includes the entirety of Enclosure D, as well as the areas higher than 55-feet above the hangar floor in Enclosures A, B, and C.

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

³ In accordance with the Regulatory Agency approved *PCB Wipe Sampling Reduction Memorandum* dated September 13, 2023 (Rincon, 2023c), PCB clearance wipe samples were not collected in Zone 8.



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 Low Occupancy Areas are as follows.

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

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

The visual inspections (Section 2.1) and confirmation wipe sampling results (Section 2.2) indicate that the Cleanup Goals have been met and no additional abatement is necessary within the Low Occupancy Area of Zone 8.

2.1 Visual Inspections

In accordance with the NTCRA Work Plan, following completion of abatement⁴ 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 Low Occupancy Area of Zone 8, the qualified NACE inspector confirmed that all visible paint had been removed from the abated surfaces and that the abated surfaces achieved a NACE #3/SSPC SP-6 surface cleanliness standard or better. The NACE inspection reports are included in Attachment 1.

2.2 Confirmation Sampling Results

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

⁴ Abatement in the Low Occupancy Area of Zone 8 was completed on August 5, 2024.



2.2.1 Initial Abatement and Sampling Efforts

A total of 117 confirmation wipe samples were collected from the Low Occupancy Area of Zone 8, including quality control (QC) samples (i.e., field blank samples, media blank samples, and field duplicate samples). Of the 117 confirmation wipe samples and QC samples, 90 were lead wipe samples and 27 were PCB wipe samples,⁵ including:

- 70 lead confirmation wipe samples and 25 PCB confirmation wipe samples;
- Six lead media blank samples;⁶
- Six lead field blank samples and one PCB field blank sample; and
- Eight lead duplicate confirmation wipe samples and one PCB duplicate confirmation wipe samples.

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

2.2.2 Lead Re-Abatement and Re-Sampling Efforts

Within Zone 8 Enclosure D, lead was detected at concentrations that exceed the Cleanup Goal at 18 locations ranging from 250 $\mu\text{g}/\text{ft}^2$ to 870 $\mu\text{g}/\text{ft}^2$. Although the reported concentrations were not greater than 5-times the Cleanup Goal for lead, and less than 10-percent of the analytical results within the Low Occupancy Area were greater than 3-times the Cleanup Goal, Certified Coatings Company (CCC) and McCarthy opted to re-abate at three locations exhibiting the highest lead concentrations within Zone 8 Enclosure D. The approximately 2,000 square foot areas represented by each of these three locations were re-abated, re-cleaned, and re-sampled, which resulted in the collection of three additional lead confirmation wipe samples and one additional duplicate lead confirmation wipe sample.

As discussed in the Biweekly Report for the period between June 29 and July 12, 2024, one lead confirmation wipe sample collected within Zone 8 Enclosure A on June 26, 2024 could not be analyzed due to an error in the preparation of the sample, therefore the approximately 2,000 square foot area represented by this sample was re-abated and re-sampled, resulting in the collection of one additional lead confirmation wipe re-sample on July 2, 2024. Lead was not detected above the Cleanup Goal (i.e., 250 $\mu\text{g}/\text{ft}^2$) in confirmation wipe re-sample.

Within Zone 8 Enclosure C, lead was detected at concentrations that exceeded the Cleanup Goal in one sample. However, re-abatement of this location was not required as the overall 95-percent upper confidence limit (UCL) for the mean lead concentration did not exceed the Cleanup Goal for lead. Within Zone 8 Enclosure A, lead was detected at concentrations that exceeded the Cleanup Goal in three samples. However, re-abatement of these locations was not required as the overall 95-percent UCL for the mean lead concentration did not exceed the Cleanup Goal for lead. Lead was not detected above the Cleanup Goal in Zone 8 Enclosure B.

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

⁵ PCB confirmation wipe samples were collected in accordance with Rincon 2023c.

⁶ As discussed further in Section 3.4.3, media blank samples were only analyzed for lead.

Table 1 Lead Wipe Re-Abatement Summary

Initial Sample ID	Initial Lead Concentration (µg/ft ²)	Lead Concentration After Re-Abatement (µg/ft ²)
Zone 8 Enclosure D		
ARCH-SGW-DG-4.5 TO 19-240530-L-LA	500	69
DOOR-S-15.4GE-DG-8 TO 21-240530-L-LA	870	22
DOOR-S-15.6GW-DG-8 TO 21-240530-L-LA	470	13
DOOR-S-15.6GW-8 TO 21-240530-L-DUP-LA	590	8.8
Zone 8 Enclosure A		
DOOR-S-15.5GE-PS-21-240627-L-G	--[a]	12
Notes: [a] The original sample could not be analyzed due to an error in the preparation of the sample, therefore there is no initial lead concentration prior to re-abatement.		

2.2.3 PCB Re-Abatement and Re-Sampling Efforts

On June 27, 2024, Rincon collected PCB confirmation wipe samples within the low occupancy area of Zone 8 Enclosure A in accordance with the Agency approved *Reduction of Confirmation and Clearance Wipe Sample Collection for PCB Analysis in Zone 5 through Zone 8 Memorandum* (PCB Sampling Reduction Memo; Rincon, 2023c). On July 2, 2024 (i.e., four business days from receipt of the samples at the analytical laboratory), Enthalpy Analytical (Enthalpy) notified Rincon that the Quality Assurance (QA)/QC procedures outlined in the UFP-QAPP were not followed when analyzing the PCB confirmation wipe samples in SDG# 510950 (i.e., the appropriate LCS and LCSD samples were not created) (Attachment 3). As a result, the Project Team directed Enthalpy to terminate the analytical process, which included preparing the PCB confirmation wipe sampling report. The locations within Zone 8 Enclosure A were then re-abated and re-sampled on July 8, 2024,⁷ which resulted in the collection of five additional PCB confirmation wipe samples.⁸ PCBs were not detected above the laboratory reporting limit in the confirmation wipe re-samples collected on July 8, 2024.

2.2.4 Evaluation of the Confirmation Wipe Sampling Data

Once re-abatement, re-cleaning, and re-sampling activities were completed within the Low Occupancy Area of Zone 8, a total of 19 of the lead confirmation wipe samples collected, or approximately 27-percent, exceeded the numeric Cleanup Goal of less than (<) 250 µg/ft²; however, and none of the samples exceeded 3-times or 5-times the Cleanup Goal.

Rincon calculated the 95-percent UCL for the mean lead concentration in the confirmation wipe samples using Version 5.2 of the ProUCL program (U.S. EPA, 2022). The results for the field blank samples, the media blank samples, and the lower of the duplicate sampling results⁹ were not included in the calculation of the 95-percent UCL. As seen in Table 2, the 95-percent UCL of the mean lead concentration (i.e., approximately 200 µg/ft²) in the confirmation wipe samples is below the numeric Cleanup Goal. The ProUCL 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 cm², the highest reported laboratory quantitation limit (QL); therefore, none of the PCB sample results exceeded the numeric Cleanup Goals for the Low Occupancy Area of <100 µg/100 cm². The 95-percent UCL of the mean PCB concentration

⁷ The re-abated and re-sampled locations are identified in Attachment 2 by Note [e].

⁸ The PCB QA/QC re-samples were collected in the High Occupancy Area of Zone 8 and are included in the Data Summary Submittal for the High Occupancy Area of Zone 8 (Rincon, 2024).

⁹ If the concentration in the duplicate samples were the same, only one result was included in the ProUCL input file.



could not be calculated because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected within the Low Occupancy Area of Zone 8.

Table 2 95-Percent UCL for Confirmation Wipe Samples

Analyte	Method	Numeric Cleanup Goal	95% UCL
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft ²	200 µg/ft ²
PCB	U.S. EPA Method 8082	<100 µg/100 cm ²	--[a]
Notes: [a] The 95-percent UCL could not be calculated for PCBs because all analytical results for confirmation wipe samples were below laboratory QLs.			



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 cm²), 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 the planned samples, including field QC samples, were collected and adequately documented. The Rincon Data Manager verified that all changes/exceptions to the scope of work were documented and reported appropriately in Biweekly Reports prepared during abatement activities. Chain-of-custody forms were reviewed at the end of each day of sampling by the Rincon Data Manager to confirm that each form was filled out appropriately, and that all required samples, signatures, and dates were present.

Field audits by Rincon's field manager, which included a review of the field sampling protocols, were conducted on May 14 and July 16, 2024. During these audits, Rincon's field manager observed field personnel conducting field sampling activities to confirm that all activities were conducted in accordance with standard operating procedures (SOPs) developed for field sampling activities associated with the NTCRA. The results of the field audits indicated that the field activities conducted at Hangar 1, including confirmation wipe sampling activities, were being conducted in accordance with the NTCRA Work Plan as well as the SOPs developed for field activities associated with the NTCRA.

While the total square footage of steel within the Low Occupancy Area of Zone 8 was less than that which was estimated in note [b] in Worksheet #20-2,¹⁰ the confirmation lead wipe sampling frequency (i.e., one sample per 1,954 square feet [ft²] of abated steel) as well as the frequencies of the lead field duplicate, field blank, and media blank samples were consistent with, or greater than, the frequencies presented in the revised Worksheet #20-2. A summary of the total number of confirmation lead wipe samples and field QC samples is provided in Table 3.

The PCB confirmation wipe samples were collected in accordance with the frequency outlined in the Regulatory Agency approved PCB Sampling Reduction Memo (Rincon, 2023c). Since Enclosures A, B, and C included both High and Low Occupancy Areas, the required ten PCB samples per enclosure were split between the High and Low Occupancy Areas (i.e., five PCB samples were collected in the High Occupancy Area and five PCB samples were collected in the Low Occupancy Area). Table 4 provides a

¹⁰ 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).



summary of the total number of confirmation wipe samples and field QC samples for PCBs within the Low Occupancy Area of Zone 8.

Table 3 Lead Wipe Sample Summary

	No. of Lead Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Field Blanks or Frequency [b]	No. of Media Blanks or Frequency [b]
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 2,000 ft ² of abated steel	10%	5%	5%
Anticipated Number of Samples	73 [a]	8 [10%]	4 [5%]	4 [5%]
Actual Square Footage within the Low Occupancy Area of Zone 7	132,842 ft ²			
Samples Collected	70	8	6	6
Actual Frequency	1 sample per 1,954 ft ² of abated steel	11%	7%	7%
Notes: [a] Original sample counts outlined in the UFP-QAPP were based on an estimated surface area of 145,000 ft ² of steel. [b] As described in the <i>Lead Detections in Media Blank Samples Memorandum</i> dated August 3, 2023 (Rincon, 2023b), Rincon began collecting both field blank and media blank samples for lead on July 24, 2023.				

Table 4 PCB Wipe Sample Summary

	No. of PCB Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Field Blanks or Frequency [a]
Required frequency per Rincon, 2023c	10 samples per enclosure	10%	5%
Anticipated Number of Samples	40	4	4
Samples Collected [b]	40	4 [10%]	4 [10%]
Notes: [a] Field blank samples are equivalent to media blank samples referenced in the UFP-QAPP. [b] For PCB samples collected within Zone 8, the frequency followed the NTCRA Work Plan's proposed reduced frequency of 10 samples plus one duplicate sample per enclosure. The 25 confirmation wipe samples, one field duplicate sample, and one field blank sample collected within the Low Occupancy Area of Zone 8 are seen in Attachment 2. The remaining 15 PCB confirmation wipe samples and the associated QC samples were collected within the High Occupancy Area of Zone 8 and are discussed in the Data Summary Submittal for the High Occupancy Area of Zone 8 (Rincon, 2024).			

3.2 Data Validation

LDC conducted data validation on the analytical laboratory reports for the confirmation wipe samples collected, which included a review of chain-of-custody forms and laboratory deliverables. Stage 3 validation was conducted on 57 samples and Stage 2A validation was conducted on the remaining 60 samples (Attachment 5).

Based on LDC's review of the analytical laboratory reports and their supporting data, one sample result was qualified using flags (Attachment 5); however, none of the analytical results were rejected. See Section 3.4.1 and Attachment 5 for additional details.

3.3 Data Precision

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

3.3.1 Laboratory Duplicate Samples

Laboratory duplicate samples were analyzed at the required frequency outlined in the Worksheet #28 of the UFP-QAPP (i.e., at least one laboratory control spike [LCS]/laboratory control spike duplicate [LCSD] pair per 20 samples or per batch if less than 20 samples). As seen in Table 5, all lead and PCB duplicate laboratory sample pairs met the measurement performance criteria (MPC) outlined in the UFP-QAPP.

Table 5 Laboratory Duplicate Sample Summary

Laboratory QC Sample	No. of Lab QC Samples Analyzed	MPC	No. of Lab QC Samples Exceeding MPC	Percentage of Laboratory QC Samples that Exceeded the MPC
LCS/LCSD – Lead	11	RPD $\leq$ 20%	0	0%
LCS/LCSD – PCB	4	RPD $\leq$ 20%	0	0%
Notes: LCS: Laboratory Control Spike LCSD: Laboratory Control Spike Duplicate				

3.3.2 Field Duplicate Samples

As seen in Table 6, the lead field duplicate samples met the MPC outlined in the UFP-QAPP (i.e., equal to or less than 100%) for seven of the eight field sample pairs (i.e., 87-percent of duplicate pairs met the MPC);¹¹ the general agreement between sample and sample duplicate results indicates that the cleaning procedures used prior to sampling were implemented consistently throughout the abated area and the field sampling was conducted in a reproducible manner. While the RPD for the field duplicate sample pair that exceeded the MPC was 127-percent, to be conservative, the highest of the duplicate sample pair results was used in the calculation of the 95-percent UCL. Data qualifiers (i.e., “J” flags) were applied to the affected lead sample results where the RPD did not meet the MPC, as seen in Attachment 2.

PCBs were not detected above laboratory QLs in any of the duplicate samples collected and as a result, RPDs could not be 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 Duplicate Samples that Exceeded the MPC
Lead – Wipe	8	RPD $\leq$ 100%	1	13%
PCB – Wipe	1	RPD $\leq$ 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.¹² Data accuracy is a measure

¹¹ While the RPD for one of the eight field duplicate sample pairs exceeded the MPC outlined in the UFP-QAPP, the assertion that the cleaning procedures used prior to sampling were implemented consistently and that field sampling activities were conducted in a reproducible manner is supported by the fact that all of the RPDs in the seven field duplicate sample pairs collected from the High Occupancy Area of Zone 8 met the MPC; additional information regarding the High Occupancy Area of Zone 8 will be presented in the Data Summary Submittal for the High Occupancy Area of Zone 8 (in preparation).

¹² As indicated in the UFP-QAPP, matrix spike and matrix spike duplicate samples are not prepared and analyzed for wipe samples.

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	12	%R 80-120%	0	0%
Lead Method Blank Samples	11	<QL	0	0%
PCB LCS and LCSD	4	%R 60-140%	0	0%
PCB Method Blank Samples	2	<QL	0	0%
Notes: %R: Percent Recovery				

3.4.2 Laboratory Surrogate Spikes

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

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

3.4.3 Field QC Samples

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

Table 8 Field QC Sample Summary

Laboratory 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	1	<QL	0%
Notes: [a] As described in the <i>Lead Detections in Media Blank Samples Memorandum</i> 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 Low Occupancy Area of Zone 8. Because PCBs have not been detected above the laboratory QLs in any field blank samples, media blank samples were only analyzed for lead. Field blank samples were analyzed for both lead and PCBs.

Lead was detected above the laboratory QL in five of the six field blank samples collected; however, the results did not exceed the MPC of <10 µg/ft² and the reported results for the field blank samples were lower than the numeric 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.¹³ 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 laboratory QLs in any of the field blank samples.

Lead was not detected above laboratory QLs in any of the media blank samples associated with the Low Occupancy Area of Zone 8.

3.5 Summary of Representativeness, Completeness, and Comparability

3.5.1 Representativeness

Representativeness is a qualitative measure that expresses the degree to which data accurately and precisely represents 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 Low Occupancy Area of Zone 8:

- Field audits, which included a review of the field sampling protocols, were conducted by Rincon's field manager on May 14, and July 16, 2024. Based on the results of the field audits, the sample collection procedures were being performed in compliance with the field SOPs included in the UFP-QAPP for the collection and analysis of lead and PCB confirmation wipe samples; and
- All confirmation wipe samples were analyzed within acceptable sample holding times and all field and laboratory personnel adhered to the appropriate sample handling and storage requirements outlined in the UFP-QAPP.¹⁴

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

3.5.2 Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the total number of measurements necessary to achieve data quality objectives 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

¹³ Because lead was detected in personal air samples that were collected during NACE inspection and confirmation wipe sampling activities, it is understood that lead dust remains suspended in the air throughout such activities and is anticipated to contribute negligible to small concentrations of lead to confirmation wipe samples. NACE inspectors, Rincon, and any other trades that may enter the structure before it is pressure washed are required to wear half-faced respirators with P100 filters, which protects these personnel from potential exposures to the residual concentrations of lead containing dust that may be present in the air within the enclosures.

¹⁴ Rincon personnel and/or the laboratory provided courier deliver the confirmation wipe samples to the Enthalpy Analytical location in Berkeley, CA. Upon receipt of the confirmation wipe samples, the laboratory staff then complete a sample check-in form prior to shipping the samples to the Enthalpy Analytical location in Orange, CA. Upon receipt of the samples at the Enthalpy Analytical location in Orange, CA, a second sample check-in form is completed for the samples, resulting in two sample check-in forms being included in the laboratory analytical reports. However, if samples are shipped directly to Enthalpy Analytical in Orange, CA by Rincon personnel, only one sample check-in form is completed by laboratory staff upon receipt of the samples in Orange, CA, resulting in one sample check-in form being included in the laboratory analytical report.



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.¹⁵

Table 9 Completeness for Confirmation Wipe Samples

Analyte – Sample Type	Total No. of Samples	Usable Results (%)	Unusable Results (%)	% Completeness - MPC
Lead – Wipe	70	100%	0%	>90%
PCB – Wipe	25	100%	0%	>90%

3.5.3 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Data are considered comparable if QA/QC measures, such as sample collection procedures, analytical methods, reporting units, and analytical reporting limits are equivalent for the samples within a data set. Adherence to QA/QC measures assures that samples collected in similar conditions (i.e., the Low Occupancy Area of Zone 8) are comparable. Comparability criteria are met if, based on data validation, the sample collection and analytical procedures are determined to have been followed, or variations in sample collection and analytical procedures were deemed to not have resulted in sample results being rejected.

To ensure comparability of the data generated for the Low Occupancy Area of Zone 8, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audits conducted on May 14 and July 16, 2024, as well as regular reviews of field forms and chain-of-custody forms, it was determined that field activities, including confirmation wipe sampling activities, were conducted in accordance with the NTCRA Work Plan as well as SOPs developed for field activities associated with the NTCRA.

3.6 Sensitivity

Sensitivity is the capability of a method or instrument to discriminate among measurement responses representing different levels of the variable of interest. As seen in Table 10, the laboratory specific QLs outlined in the UFP-QAPP were 0.50 µg/ft² for lead and 0.50 µg/100 cm² for PCBs. The QLs for all the lead and PCB confirmation wipe samples met the laboratory specific QLs outlined in the UFP-QAPP.

Table 10 Sensitivity Comparison for Confirmation Wipe Samples

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

¹⁵ The first set of PCB samples collected in the Low Occupancy Area of Zone 8 Enclosure A were not reported due to laboratory analytical issues are not included in the completeness evaluation. See Section 2.2.3 for additional details.



4 Clearance Wipe Sampling Results

On completion of the abatement, cleaning, inspection, sampling, and priming activities within each enclosure, the abated steel, scaffolding, and enclosure material were cleaned by pressure washing with potable water. The purpose of this cleaning was to decontaminate the space such that follow-on trades are able to work in a decontaminated work environment.

In accordance with the UFP-QAPP, following pressure washing activities, clearance wipe samples were collected from the decontaminated surfaces in both the High and Low Occupancy Areas of Enclosures A, B, C, and D to demonstrate that the contents of each enclosure had been adequately cleaned and that the average lead and PCB concentrations in the enclosures were not greater than the Clearance Goals (i.e., $<250 \mu\text{g}/\text{ft}^2$ for lead and $\leq 10 \mu\text{g}/100 \text{ cm}^2$ for PCBs). In accordance with the Regulatory Agency approved PCB Sampling Reduction Memo (Rincon, 2023c), clearance wipe samples collected within Zone 8 were only analyzed for lead.

4.1 Clearance Wipe Sampling and Re-Sampling Activities and Results

4.1.1 Zone 8 Enclosure D

Initial clearance wipe samples were collected from Zone 8 Enclosure D on June 12 and June 13, 2024. The average lead concentration in the clearance wipe samples collected from within Zone 8 Enclosure D exceeded the Clearance Goal for lead (i.e., $250 \mu\text{g}/\text{ft}^2$). As a result, the areas with elevated lead concentrations in Zone 8 Enclosure D were re-cleaned and re-sampled, which resulted in the collection of eight additional lead clearance wipe samples on June 17, 2024.

Upon completion of re-cleaning and re-sampling, the average lead concentration in the clearance wipe samples (i.e., $186 \mu\text{g}/\text{ft}^2$) collected within Zone 8 Enclosure D were below the Clearance Goal for lead (i.e., $250 \mu\text{g}/\text{ft}^2$).

4.1.2 Zone 8 Enclosure A

Clearance wipe samples were collected from Zone 8 Enclosure A on July 15, 2024. Lead was detected above the Clearance Goal (i.e., $250 \mu\text{g}/\text{ft}^2$) in five clearance wipe samples; however, the average of the lead clearance samples (i.e., $223 \mu\text{g}/\text{ft}^2$) was below the Clearance Goal. Therefore, no additional cleaning was required.

4.1.3 Zone 8 Enclosure C

Initial clearance wipe samples were collected from Zone 8 Enclosure C on August 2 and August 5, 2024. The average lead concentration in the clearance wipe samples collected from within Zone 8 Enclosure C exceeded the Clearance Goal for lead (i.e., $250 \mu\text{g}/\text{ft}^2$). As a result, the areas with elevated lead concentrations in Zone 8 Enclosure C were re-cleaned and re-sampled, which resulted in the collection of four additional lead clearance wipe samples on August 6, 2024.

Upon completion of re-cleaning and re-sampling, three locations had elevated lead concentrations, therefore additional re-cleaning and re-sampling was required and on August 9, 2024, three additional clearance wipe samples were collected and analyzed. Upon the completion of the second round of re-

cleaning and re-sampling, the average lead concentration in the clearance wipe samples (i.e., 135 $\mu\text{g}/\text{ft}^2$) collected within Zone 8 Enclosure C were below the Clearance Goal or lead (i.e., 250 $\mu\text{g}/\text{ft}^2$).

4.1.4 Zone 8 Enclosure B

Clearance wipe samples were collected from Zone 8 Enclosure B on August 9, 2024. Lead was detected above the Clearance Goal (i.e., 250 $\mu\text{g}/\text{ft}^2$) in four clearance wipe samples; however, the average lead clearance sampling result (i.e., 199 $\mu\text{g}/\text{ft}^2$) was below the Clearance Goal. Therefore, no additional cleaning was required.

4.2 Data Review for Clearance Wipe Samples

Rincon conducted a review of laboratory analytical reports for the clearance wipe samples collected in Zone 8. The data review process included:

- Review of field records, including field data sheets, chain-of-custody forms, relevant correspondence, change orders and deviations, and field corrective action reports; and,
- Review of the analytical data package, including cover sheet, case narrative, sample receipt record, sample chronology, communication record, analytical results, definition of laboratory qualifiers, results reporting form, QC sample results, corrective action reports, and electronic data deliverables.

The tabulated analytical results and final analytical laboratory reports for the clearance wipe samples collected in Zone 8 are presented in Attachment 6. The average lead clearance sampling results for Enclosure A, B, C, and D, after re-cleaning and re-sampling, were 223, 199, 135, and 186 $\mu\text{g}/\text{ft}^2$, respectively. The results for the field blank samples, the media blank samples, and the lower of the duplicate sampling results were not included in the calculation of the average of the clearance wipe sampling results. In addition, “b” flags were applied to four lead sample results due to an exceedance in lead during analysis of the interference check standard, however there were no relevant interferents present in the samples,¹⁶ therefore there is no impact on the reported data.

Based on this review, the clearance sampling data are considered suitable to assess whether the average concentrations of lead in the clearance wipe samples are less than the numeric Clearance Goals.

In accordance with Worksheet #17 of the UFP-QAPP, the average concentration of lead in the clearance samples collected in both the High and Low Occupancy Areas of each enclosure were compared with the Clearance Goals. The averages of the clearance sampling results for the cleaned scaffolding, structural steel, and enclosure materials were below the Clearance Goals of <250 $\mu\text{g}/\text{ft}^2$ for lead, indicating these materials were adequately decontaminated and no additional decontamination was required for the Zone 8 enclosures.

¹⁶ Aluminum is the element in the interference check standard which can affect lead results. No aluminum was detected in any of the samples, therefore there is no potential for bias in the analytical results.



5 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 numeric Cleanup Goals. The 95-percent UCL for the mean lead concentration in the confirmation wipe samples collected within the Low Occupancy Area of Zone 8 was approximately $200 \mu\text{g}/\text{ft}^2$, which is below the numeric Cleanup Goal for lead (i.e., $<250 \mu\text{g}/\text{ft}^2$). 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 $0.5 \mu\text{g}/100 \text{ cm}^2$ in any of the confirmation samples collected from within the Low Occupancy Area of Zone 8.

Given that the 95-percent UCL for lead confirmation wipes is below the numeric Cleanup Goal for lead and that PCBs were not detected in any of the confirmation wipe samples above a maximum analytical reporting limit of $0.5 \mu\text{g}/100 \text{ cm}^2$, the Low Occupancy Area of Zone 8 is suitable for unrestricted use.

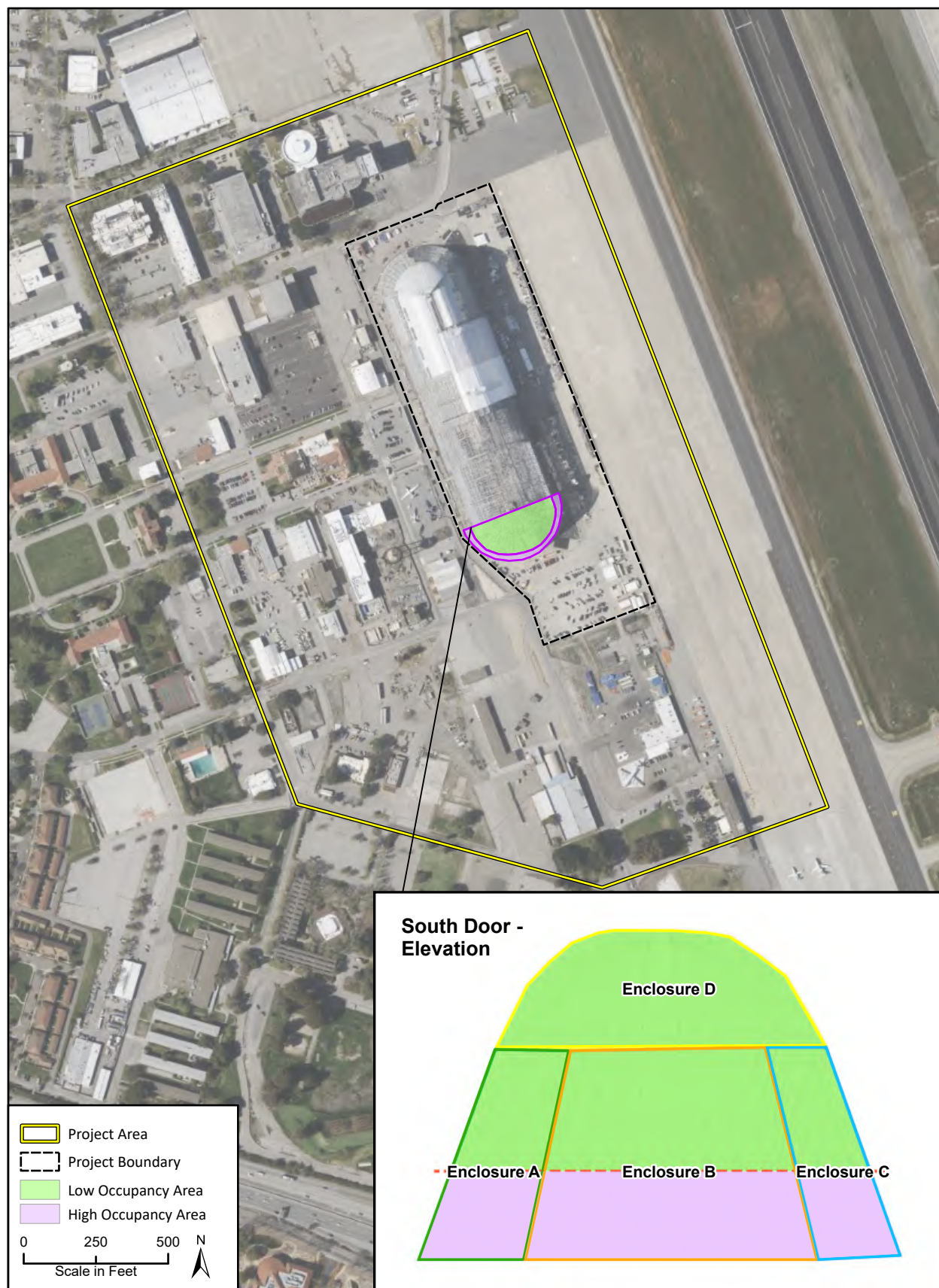
PV requests that the U.S. EPA and Water Board provide concurrence that no further abatement is required for the Low Occupancy Area of Zone 8.

6 References

- EKI Environment & Water, Inc. (EKI). 2022. *NTCRA Work Plan, Former Naval Air Station Moffett Field, California*. EKI Environment & Water, Inc. March 14, 2022.
- Rincon Consultants, Inc. (Rincon). 2023a. *Hangar 1 Data Summary Submittal, 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.
- Rincon, 2024. *Hangar 1 Data Summary Submittal, High Occupancy Area of Zone 8, Former Naval Air Station Moffett Field, California*. November 2024.
- United States Environmental Protection Agency (U.S. EPA). *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



Plan Map and Cross Section of Zone 8

Figure 1

Attachment 1

NACE Inspection Forms

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



Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 8 AREA D ABRASIVE BLASTING

Project: HANGAR 1
Inspector: CHRISTOPHER RAMOS
Date Worked: Monday, May 6, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	6:21 AM	10:21 AM	1:21PM	4:21PM				
Dry Bulb	62.1 °F	62.3 °F	70.1 °F	80.0 °F				35-120 F
Wet Bulb	51.4 °F	53.7 °F	57.6 °F	64.2 °F				
Depression	10.7 °F	8.6 °F	12.5 °F	15.8 °F				
Relative Humidity	42.1%	54.1%	42.0%	38.1%				85%
Dew Point	38.8 °F	45.5 °F	45.9 °F	52.2 °F				
Steel temp	56.6 °F	59.8 °F	67.7 °F	77.7 °F				35-120 F
Difference	17.9 °F	14.3 °F	21.8 °F	25.5 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? CONTAINMENT, DUST COLLECTORS AND D.H.
Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.4 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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 _____

Notes: 16 BLASTERS

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

QC Inspector Signature: _____

Date: 5/6/2024

QC Supervisor Signature: _____

Date: 5-8-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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

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



Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 8 AREA D ABRASIVE BLAST

Project: HANGAR 1
Inspector: CHRISTOPHER RAMOS
Date Worked: Tuesday, May 7, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	5:21 AM	9:21 AM	1:21 PM	4:21 PM	Specified Conditions
Dry Bulb	64.2 °F	59.1 °F	75.2 °F	82.4 °F	35-120 F
Wet Bulb	53.0 °F	51.3 °F	61.1 °F	65.2 °F	
Depression	11.2 °F	7.8 °F	14.1 °F	17.2 °F	
Relative Humidity	41.8%	55.7%	40.0%	35.4%	85%
Dew Point	40.6 °F	43.3 °F	49.3 °F	52.3 °F	
Steel temp	60.1 °F	57.4 °F	72.3 °F	80.0 °F	35-120 F
Difference	19.5 °F	14.1 °F	23.0 °F	27.7 °F	+5 F
Conditions	SAT	SAT	SAT	SAT	

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET Size GX2 (attach pictures of blotter - note date & time)

Compressed Air Tested? YES ☒ NO ☐

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: _____ $\mu\text{g}/\text{cm}^2$

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: _____ $\mu\text{g}/\text{cm}^2$

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: 16 BLASTERS

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

QC Inspector Signature: _____

Date: 5/7/2024

QC Supervisor Signature: _____

Date: 5-13-24

Form No. OC0005 Revision: _____

Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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sample 3.2
reading
gauge less 2.0 mils
or 50 μm
X COARSE Plus
(useful range: see data sheet)

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TESTEX
NEWARK, DE 19715
USA

PRESS-O-FILM™

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



Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 8D abrasive blast steel beams

Project: HANGAR 1
Inspector: CHRISTOPHER RAMOS
Date Worked: Wednesday, May 8, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	621am	1021am	221pm	421pm				
Dry Bulb	70.3 °F	65.5 °F	81.0 °F	83.6 °F				35-120 F
Wet Bulb	56.6 °F	52.8 °F	62.2 °F	63.4 °F				
Depression	13.7 °F	12.7 °F	18.8 °F	20.2 °F				
Relative Humidity	35.8%	34.1%	25.7%	22.9%				85%
Dew Point	42.0 °F	36.5 °F	42.6 °F	41.7 °F				
Steel temp	65.6 °F	63.8 °F	79.0 °F	81.3 °F				35-120 F
Difference	23.6 °F	27.3 °F	36.5 °F	39.5 °F				+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable				

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.5 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Material Applied: _____

Specified Material: _____

Part A Batch #'s: _____

Part B Batch #'s: _____

Part C 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 ☐

Material Applied: _____

Specified Material: _____

Part A Batch #'s: _____

Part B Batch #'s: _____

Part C Batch #'s: _____

Thinner Batch #'s: _____

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: 16 BLASTERS

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

QC Inspector Signature: _____ Date: 5/8/2024
QC Supervisor Signature: _____ Date: 5/24/24

Form No. QC0005 Revision: 23-Sep-22

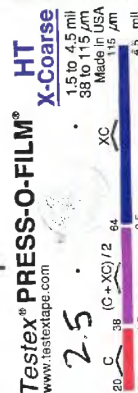
Distribution: 1. Jobsite file

2. Project Manager

3. Client

The results relate only to items inspected/tested

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Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 8D abrasive blast steel beams

Project: HANGAR 1
Inspector: CHRISTOPHER RAMOS
Date Worked: Thursday, May 9, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	521am	921am	121pm	321pm				
Dry Bulb	66.6 °F	68.4 °F	81.4 °F	89.1 °F				35-120 F
Wet Bulb	53.5 °F	64.9 °F	62.9 °F	67.1 °F				
Depression	13.1 °F	3.5 °F	18.5 °F	22.0 °F				
Relative Humidity	33.3%	34.1%	28.2%	24.3%				85%
Dew Point	36.8 °F	39.1 °F	45.4 °F	48.0 °F				
Steel temp	65.7 °F	67.5 °F	80.1 °F	86.9 °F				35-120 F
Difference	28.9 °F	28.4 °F	34.7 °F	38.9 °F				+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable				

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

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

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ $\mu\text{g}/\text{cm}^2$
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: _____ $\mu\text{g}/\text{cm}^2$
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐

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

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

Notes: 16 BLASTERS

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

QC Inspector Signature: _____

Date: 5/9/2024

QC Supervisor Signature: _____

Date: 5-23-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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2. Project Manager

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



Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 8D Abrasive blast steel structure

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Friday, May 10, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	621am	1021am	221pm	Specified Conditions
Dry Bulb	62.7 °F	74.0 °F	92.4 °F	35-120 F
Wet Bulb	53.3 °F	60.7 °F	70.6 °F	
Depression	9.4 °F	13.3 °F	21.8 °F	
Relative Humidity	49.8%	42.4%	29.4%	85%
Dew Point	43.8 °F	49.7 °F	56.0 °F	
Steel temp	60.7 °F	73.2 °F	90.9 °F	35-120 F
Difference	16.9 °F	23.5 °F	34.9 °F	+5 F
Conditions	Acceptable	Acceptable	Acceptable	

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.3 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: 16 blasters sandblasting in Zone 8D.

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

QC Inspector Signature: _____

Date: 5/10/2024

QC Supervisor Signature: _____

Date: 5-23-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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



Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Zone 8D abrasive blast steel structure

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

Environmental Conditions:								Specified Conditions
Time	621am	1021am	221pm	421pm				
Dry Bulb	60.3 °F	59.0 °F	74.0 °F	77.8 °F				35-120 F
Wet Bulb	53.1 °F	53.2 °F	61.9 °F	64.2 °F				
Depression	7.2 °F	5.8 °F	12.1 °F	13.6 °F				
Relative Humidity	60.2%	67.0%	47.8%	44.6%				85%
Dew Point	46.5 °F	48.1 °F	53.0 °F	54.6 °F				
Steel temp	58.7 °F	57.6 °F	72.3 °F	76.5 °F				35-120 F
Difference	12.2 °F	9.5 °F	19.3 °F	21.9 °F				+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable				

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION							
☒ STEEL	☐ CONCRETE	☐ WOOD	☐ OTHER				
Satisfactory Pre-cleaning Completed: YES ☒ NO ☐							
Specified Cleaning:	SP 1 ☐	SP 2 ☐	SP 3 ☐	SP 5 ☐	SP 6 ☐	SP 7 ☐	SP 10 ☐ SP 11 ☐
Actual Cleaning:	SP 1 ☐	SP 2 ☐	SP 3 ☐	SP 5 ☐	SP 6 ☐	SP 7 ☐	SP 10 ☐ SP 11 ☐
Pressure Washing:	N/A	PSI					
Comments:	N/A						
Abrasive used:	Type	GARNET	Compressed Air Tested?		YES ☒	NO ☐	
	Size	GX2	(attach pictures of blotter - note date & time)				
Blasting performed by evaluated/approved blasters:			YES ☒	NO ☐			
Abrasive cleanliness inspected and acceptable:			YES ☒	NO ☐			
Vial test performed on this batch of abrasive?			YES ☒	NO ☐			
Profile specified:	2	mils	Actual Profile:	2.9	mils		

Soluble Salt Test Performed:		YES ☐	NO ☐	Results:			µg/cm ²
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/cm ²
Satisfactory Pre-cleaning Completed:		YES ☐	NO ☐				
Paint mixed per manufacturer's instructions:		YES ☐	NO ☐				
Specified Material:				Material Applied:			
Part A Batch #'s:				Part A Batch #'s:			
Part B Batch #'s:				Part B Batch #'s:			
Part C Batch #'s:				Part C Batch #'s:			
Thinner Batch #'s:				Thinner Batch #'s:			
Mix Time:	Start Application:			Time Complete:			Pot Life:
Mix Time:	Start Application:			Time Complete:			Pot Life:
Mix Time:	Start Application:			Time Complete:			Pot Life:
Material Temp:		Typical Wet Film Readings:				mils	
Qty. Mixed:	Qty. Applied:	Approximate SF:					
Min. Storage Temp.	Max. Storage Temp.	Actual Storage Temperature					

Notes: 16 blasters sandblasting in Zone 8D.

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

QC Inspector Signature: Ray Blackburn Date: 5/13/2024
QC Supervisor Signature: Nick Rodriguez-Israel Villalobos Date: 5/14/24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
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Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Zone 8D abrasive blast steel structure

Project: HANGAR 1
 Inspector: Ray Blackburn
 Date Worked: Tuesday, May 14, 2024
 Address: FORMER NAVAL AIR STATION
 MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	521am	921am	121pm	321pm				
Dry Bulb	60.5 °F	61.0 °F	74.7 °F	79.2 °F				35-120 F
Wet Bulb	54.4 °F	55.0 °F	63.2 °F	65.3 °F				
Depression	6.1 °F	6.0 °F	11.5 °F	13.9 °F				
Relative Humidity	66.6%	67.2%	50.8%	45.0%				85%
Dew Point	49.3 °F	50.1 °F	55.3 °F	56.0 °F				
Steel temp	58.6 °F	59.3 °F	73.3 °F	77.7 °F				35-120 F
Difference	9.3 °F	9.2 °F	18.1 °F	21.7 °F				+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable				

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

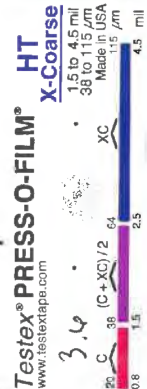
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.6 mils



PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: 16 blasters sandblasting in Zone 8D.

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

QC Inspector Signature: _____

Date: 5/14/2024

QC Supervisor Signature: _____

Date: 5-14-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Zone 8D abrasive blast steel structure

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Tuesday, May 14, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	521am	921am	121pm	321pm	Specified Conditions
Dry Bulb	60.5 °F	61.0 °F	74.7 °F	79.2 °F	35-120 F
Wet Bulb	54.4 °F	55.0 °F	63.2 °F	65.3 °F	
Depression	6.1 °F	6.0 °F	11.5 °F	13.9 °F	
Relative Humidity	66.6%	67.2%	50.8%	45.0%	85%
Dew Point	49.3 °F	50.1 °F	55.3 °F	56.0 °F	
Steel temp	58.6 °F	59.3 °F	73.3 °F	77.7 °F	35-120 F
Difference	9.3 °F	9.2 °F	18.1 °F	21.7 °F	+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable	

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET Size GX2 (attach pictures of blotter - note date & time)

Compressed Air Tested? YES ☒ NO ☐

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.6 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Material Applied: _____

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

Part B Batch #'s: _____

Part C 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 ☐

Time Elapsed Since Surface Prep: _____

Material Applied: _____

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

Part B Batch #'s: _____

Part C Batch #'s: _____

Thinner Batch #'s: _____

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: 16 blasters sandblasting in Zone 8D.

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

QC Inspector Signature: _____

Date: 5/14/2024

QC Supervisor Signature: _____

Date: 5-14-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Zone 8D abrasive blast steel structure

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Wednesday, May 15, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	521am	921am	121pm	321pm	Specified Conditions
Dry Bulb	62.3 °F	60.5 °F	75.1 °F	77.7 °F	35-120 F
Wet Bulb	55.5 °F	55.3 °F	63.7 °F	64.8 °F	
Depression	6.8 °F	5.2 °F	11.4 °F	12.9 °F	
Relative Humidity	63.9%	71.5%	51.7%	47.7%	85%
Dew Point	49.9 °F	51.3 °F	56.1 °F	56.2 °F	
Steel temp	60.5 °F	59.3 °F	73.2 °F	76.0 °F	35-120 F
Difference	10.6 °F	8.0 °F	17.1 °F	19.8 °F	+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable	

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.5 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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 _____

Notes: 16 blasters sandblasting in Zone 8D.

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

QC Inspector Signature: _____ Date: 5/15/2024
QC Supervisor Signature: _____ Date: 5-15-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
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Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Zone 8D abrasive blast steel structure

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

Environmental Conditions:

Time	521am	921am	121pm	321pm					Specified Conditions
Dry Bulb	63.0 °F	62.3 °F	77.0 °F	78.1 °F					35-120 F
Wet Bulb	55.8 °F	55.5 °F	64.0 °F	64.8 °F					
Depression	7.2 °F	6.8 °F	13.0 °F	13.3 °F					
Relative Humidity	62.7%	64.4%	46.5%	46.3%					85%
Dew Point	50.0 °F	50.1 °F	55.0 °F	55.8 °F					
Steel temp	61.7 °F	60.7 °F	75.5 °F	76.3 °F					35-120 F
Difference	11.7 °F	10.6 °F	20.5 °F	20.5 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 1025057

SURFACE PREPARATION

☒ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.6 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE**FINISH**

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: 16 blasters sandblasting in Zone 8D.

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

QC Inspector Signature: _____

Date: 5/16/2024

QC Supervisor Signature: _____

Date: 5-17-24

Form No. QC0005

Revision: 2

Rev. Date 23-Sep-22

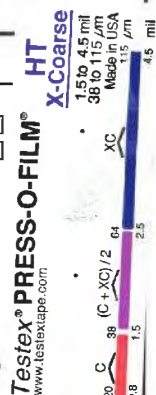
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Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Zone 8D abrasive blast steel structure

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

Environmental Conditions:

Time	521am	921am	121pm	421pm					Specified Conditions
Dry Bulb	62.6 °F	60.6 °F	75.9 °F	80.7 °F					35-120 F
Wet Bulb	55.1 °F	54.4 °F	63.0 °F	65.9 °F					
Depression	7.5 °F	6.2 °F	12.9 °F	14.8 °F					
Relative Humidity	60.4%	66.1%	46.3%	42.9%					85%
Dew Point	48.7 °F	49.3 °F	53.8 °F	56.0 °F					
Steel temp	60.9 °F	59.0 °F	73.9 °F	79.2 °F					35-120 F
Difference	12.2 °F	9.7 °F	20.1 °F	23.2 °F					+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable					

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 Logger Serial No. 1025057**SURFACE PREPARATION**

☒ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET Size GX2 (attach pictures of blotter - note date & time)

Compressed Air Tested? YES ☒ NO ☐

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.6 mils

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ $\mu\text{g}/\text{cm}^2$

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: _____ $\mu\text{g}/\text{cm}^2$

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: 16 blasters sandblasting in Zone 8D.

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

QC Inspector Signature: _____

Date: 5/17/2024

QC Supervisor Signature: _____

Date: 5-17-24Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Zone 8D abrasive blast steel structure

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Monday, May 20, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	644am	1044am	244pm	444pm				
Dry Bulb	56.3 °F	87.5 °F	79.4 °F	75.3 °F				35-120 F
Wet Bulb	50.4 °F	67.8 °F	64.2 °F	63.1 °F				
Depression	5.9 °F	19.7 °F	15.2 °F	12.2 °F				
Relative Humidity	65.1%	31.6%	39.9%	48.5%				85%
Dew Point	44.7 °F	53.7 °F	52.9 °F	54.6 °F				
Steel temp	55.6 °F	87.8 °F	78.8 °F	74.9 °F				35-120 F
Difference	10.9 °F	34.1 °F	25.9 °F	20.3 °F				+5 F
Conditions	Acceptable	Acceptable	Acceptable	Acceptable				

Environmental Controls? CONTAINMENT & DUST COLLECTORS
Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ $\mu\text{g}/\text{cm}^2$
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: _____ $\mu\text{g}/\text{cm}^2$
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐

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

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

Notes: 16 blasters sandblasting in Zone 8D.

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

QC Inspector Signature: _____ Date: 5/20/2024

QC Supervisor Signature: _____ Date: 5-20-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Abrasive RE-blast steel structure in Zone 8D

Project: HANGAR 1
 Inspector: Bert Apodaca
 Date Worked: Tuesday, June 4, 2024
 Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	657am	1057am	257pm						Specified Conditions
Dry Bulb	61.7 °F	84.2 °F	86.9 °F						35-120 F
Wet Bulb	54.6 °F	69.1 °F	69.6 °F						
Depression	7.1 °F	15.1 °F	17.3 °F						
Relative Humidity	61.9%	44.7%	39.3%						85%
Dew Point	48.5 °F	60.4 °F	59.2 °F						
Steel temp	60.0 °F	82.8 °F	86.1 °F						35-120 F
Difference	11.5 °F	22.5 °F	26.9 °F						+5 F
Conditions	Acceptable	Acceptable	Acceptable						

Environmental Controls? CONTAINMENT & DUST COLLECTORSWork area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTORModel No. DPMSerial No. 1077597**SURFACE PREPARATION**

☒ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.5 mils

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ $\mu\text{g}/\text{cm}^2$

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: _____ $\mu\text{g}/\text{cm}^2$

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 _____

Notes: 4 BLASTERS REBLAST FAILED WIPE SAMPLES IN ZONE 8D. Rincon mark the areas before blasting.

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

QC Inspector Signature: _____

Date: 6/4/2024

QC Supervisor Signature: _____

Date: 6-4-24Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Abrasive blast steel structure in Zone 8A

Project: HANGAR 1
 Inspector: Ray Blackburn
 Date Worked: Wednesday, June 12, 2024
 Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORSWork area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTORModel No. DPMSerial No. 1077597**SURFACE PREPARATION**

☒ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.3 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE**FINISH**

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: _____

Date: 6/12/2024

QC Supervisor Signature: _____

Date: 6-12-24Form No. QC0005Revision: 2Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8A

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

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.5 mils

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ $\mu\text{g}/\text{cm}^2$

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: _____ $\mu\text{g}/\text{cm}^2$

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 _____

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

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

QC Inspector Signature: _____ Date: 6/13/2024
QC Supervisor Signature: _____ Date: 6-13-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
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Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8A

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

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

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

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET Compressed Air Tested? YES ☒ NO ☐
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.6 mils



PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: _____ Date: 6/17/2024

QC Supervisor Signature: _____ Date: 6-17-24

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

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Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Abrasive blast steel structure in Zone 8A

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

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Logger Serial No. 1077597

SURFACE PREPARATION

☒ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.7 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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 _____

Notes: 16 BLASTERS. Approximate working time 610am-330pm

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

QC Inspector Signature: _____

Date: 6/18/2024

QC Supervisor Signature: _____

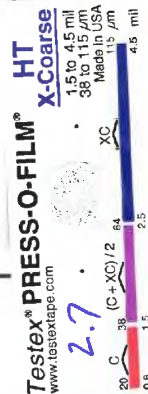
Date: 6-18-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8A

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Thursday, June 20, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.5 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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 _____

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

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

QC Inspector Signature: _____

Date: 6/20/2024

QC Supervisor Signature: _____

Date: 6-20-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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Client Representative: MCCARTHY
 Certified Supervisor: NICK RODRIGUEZ / Cuberto Apodaca
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Abrasive blast steel structure in Zone 8C

Project: HANGAR 1
 Inspector: Ray Blackburn
 Date Worked: Wednesday, June 26, 2024
 Address: FORMER NAVAL AIR STATION
 MOFFETT FIELD CA. 94305

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET Size GX2 (attach pictures of blotter - note date & time)

Compressed Air Tested? YES ☒ NO ☐

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.4 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: _____

Date: 6/26/2024

QC Supervisor Signature: _____

Date: 7-11-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ / Cuberto Apodaca
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8C

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Thursday, June 27, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: _____

Abrasive used: Type GARNET Size GX2 (attach pictures of blotter - note date & time)

Compressed Air Tested? YES ☒ NO ☐

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.3 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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 _____

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

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

QC Inspector Signature: _____

Date: 6/27/2024

QC Supervisor Signature: _____

Date: 7-11-24

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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Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ / Cuberto Apodaca
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8C

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Friday, June 28, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.5 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: _____

Date: 6/28/2024

QC Supervisor Signature: _____

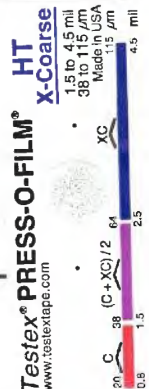
Date: 7-1-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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



Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8C

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

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.8 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: _____

Date: 7/1/2024

QC Supervisor Signature: _____

Date: 7-1-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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



Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive re-blast steel in Zone 8A Wipe Sample Areas

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

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS
Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3 mils



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 ☐

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 _____

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

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

QC Inspector Signature: _____

Date: 7/2/2024

QC Supervisor Signature: _____

Date: 7-11-24

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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Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8C

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

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.6 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: _____

Date: 7/2/2024

QC Supervisor Signature: _____

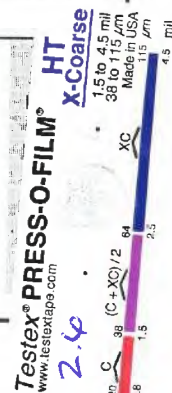
Date: 7-2-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ / Cuberto Apodaca
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Abrasive blast steel structure in Zone 8C

Project: HANGAR 1
 Inspector: Ray Blackburn
 Date Worked: Wednesday, July 3, 2024
 Address: FORMER NAVAL AIR STATION
 MOFFETT FIELD CA.94305

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

Vial test performed on this batch of abrasive: YES ☒ NO ☐

Profile specified: 2 mils Actual Profile: 2.2 mils



PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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 _____

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

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

QC Inspector Signature: _____

Date: 7/3/2024

QC Supervisor Signature: _____

Date: 7-1-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8C

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Monday, July 8, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS
Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET Size GX2 (attach pictures of blotter - note date & time)

Compressed Air Tested? YES ☒ NO ☐

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.6 mils

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ $\mu\text{g}/\text{cm}^2$

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: _____ $\mu\text{g}/\text{cm}^2$

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 _____

Notes: 16 BLASTERS

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

QC Inspector Signature: _____ Date: 7/8/2024

QC Supervisor Signature: _____ Date: 7-8-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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Project:	HANGAR 1
Inspector:	Ray Blackburn
Date Worked:	Tuesday, July 9, 2024
Address:	FORMER NAVAL AIR STATION MOFFETT FIELD CA.94305

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

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

Soluble Salt Test Performed:		YES ☐	NO ☐	Results:	_____ $\mu\text{g}/\text{cm}^2$
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 _____	

Satisfactory Intercoat-cleaning Completed:		YES ☐	NO ☐	Results:	$\mu\text{g}/\text{cm}^2$
Soluble Salt Test Performed:		YES ☐	NO ☐		
Satisfactory Pre-cleaning Completed:		YES ☐	NO ☐		
Paint mixed per manufacturer's instructions:		YES ☐	NO ☐		
Specified Material:	Material Applied:				
Part A Batch #'s:					
Part B Batch #'s:					
Part C 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			

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

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

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Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8B

Project: HANGAR 1
Inspector: Ray Blackburn
Date Worked: Monday, July 15, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET Size GX2 (attach pictures of blotter - note date & time)

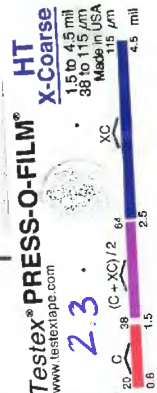
Compressed Air Tested? YES ☒ NO ☐

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.3 mils



PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: _____

Date: 7/15/2024

QC Supervisor Signature: _____

Date: 7-15-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8B

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

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS
Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____
Satisfactory Pre-cleaning Completed: YES ☒ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☐ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☒ NO ☐
Size GX2 (attach pictures of blottor - note date & time)
Blasting performed by evaluated/approved blasters: YES ☒ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐
Vial test performed on this batch of abrasive? YES ☒ NO ☐
Profile specified: 2 mils Actual Profile: 2.4 mils



PRIMER

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

INTERMEDIATE

FINISH

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

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

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

QC Inspector Signature: _____

Date: 7/16/2024

QC Supervisor Signature: _____

Date: 7-16-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Abrasive blast steel structure in Zone 8B

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

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 1077597

SURFACE PREPARATION

☒ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

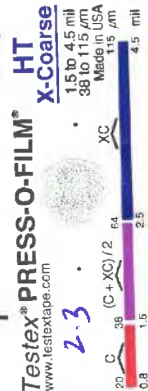
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.3 mils



PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: _____

Date: 7/17/2024

QC Supervisor Signature: _____

Date: 7-17-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

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Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Abrasive blast steel structure in Zone 8B

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

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 1077597

SURFACE PREPARATION

☒ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.2 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: _____

QC Supervisor Signature: _____

Date: 7/18/2024

Date: 7-18-24

Form No. QC0005 Revision: 2 Rev./Date 23-Sep-22

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Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: Abrasive blast steel structure in Zone 8B

Project: HANGAR 1
 Inspector: Ray Blackburn
 Date Worked: Friday, July 19, 2024
 Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

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

Environmental Controls? CONTAINMENT & DUST COLLECTORSWork area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTORModel No. DPMSerial No. 1077597**SURFACE PREPARATION**

☒ **STEEL** ☐ **CONCRETE** ☐ **WOOD** ☐ **OTHER**

Satisfactory Pre-cleaning Completed: YES ☒] NO ☐]

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

Blasting performed by evaluated/approved blasters: YES ☒] NO ☐]

Abrasive cleanliness inspected and acceptable: YES ☒] NO ☐]

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

Profile specified: 2 mils Actual Profile: 2.7 mils

PRIMER

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

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

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐**FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐] NO ☐]

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

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

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: Ray BlackburnDate: 7/19/2024QC Supervisor Signature: SamirDate: 7-19-24Form 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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Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: Abrasive blast steel structure in Zone 8B

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

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

Environmental Controls? CONTAINMENT & DUST COLLECTORS

Work area illumination value: >50 FC

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 1077597

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.3 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

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

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

QC Inspector Signature: _____

Date: 7/22/2024

QC Supervisor Signature: _____

Date: 7-22-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22

The results relate only to items inspected/tested

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

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Attachment 2

Tabulated PCB and Lead Confirmation Wipe Sampling Analytical Results



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

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Enclosure	µg/ft ²	Concentration - µg/100 cm ²								
Cleanup Goal (Low Occupancy Area)			<250	<100	<100	<100	<100	<100	<100	<100	<100	<100
DOOR-S-15.4GW-EXT-10 TO 11-240530-CB	05/30/2024	D	130	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-DG-10 TO 23-240530-G	05/30/2024	D	240	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GE-DG-10 TO 23-240530-G	05/30/2024	D	250	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GW-DG-10 TO 23-240530-G	05/30/2024	D	200	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GW-DG-10 TO 23-240530-G	05/30/2024	D	270	--	--	--	--	--	--	--	--	--
ARCH-SGE-DG-2.5 TO 24-240530-LA	05/30/2024	D	210	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GE-PS-24-240530-G	05/30/2024	D	71	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GE-EXT-9 TO 10-240530-CB	05/30/2024	D	150	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GE-DG-10 TO 23-240530-LA	05/30/2024	D	190	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GE-DG-10 TO 23-240530-DUP-LA [b]	05/30/2024	D	120	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GW-PS-24-240530-G	05/30/2024	D	40	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GE-DG-10 TO 23-240530-LA	05/30/2024	D	110	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GW-INT-23 TO 24-240530-CB	05/30/2024	D	120	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GW-INT-23 TO 24-240530-CB	05/30/2024	D	400	--	--	--	--	--	--	--	--	--
ARCH-SGW-DG-3 TO 23-240530-LA	05/30/2024	D	350	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-PS-23-240530-G	05/30/2024	D	190	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GE-PS-23-240530-G	05/30/2024	D	140	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GW-PS-23-240530-G	05/30/2024	D	180	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GW-PS-23-240530-G	05/30/2024	D	210	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GE-EXT-8 TO 9-240530-CB [b]	05/30/2024	D	260	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GE-EXT-8 TO 9-240530-DUP-CB	05/30/2024	D	340	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GE-INT-22 TO 23-240530-CB	05/30/2024	D	340	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GW-DG-9 TO 22-240530-LA	05/30/2024	D	300	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-PS-22-240530-G	05/30/2024	D	160	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GE-PS-22-240530-G	05/30/2024	D	220	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GW-PS-22-240530-G	05/30/2024	D	160	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GW-PS-22-240530-G	05/30/2024	D	210	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GW-INT-21 TO 22-240530-CB	05/30/2024	D	340	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GW-INT-21 TO 22-240530-CB	05/30/2024	D	220	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GW-EXT-7 TO 8-240530-CB	05/30/2024	D	310	--	--	--	--	--	--	--	--	--
ARCH-SGW-DG-4.5 TO 19-240530-LA [d]	05/30/2024	D	500	--	--	--	--	--	--	--	--	--
ARCH-SGW-DG-4.5 TO 19-240605-LA	06/05/2024	D	69	--	--	--	--	--	--	--	--	--
ARCH-SGE-INT-4.5 TO 5-240530-CB	05/30/2024	D	380	--	--	--	--	--	--	--	--	--
DOOR-S-15.1GE-DG-8 TO 21-240530-LA	05/30/2024	D	410	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GE-DG-8 TO 21-240530-LA [d]	05/30/2024	D	870	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GE-DG-8 TO 21-240605-LA	06/05/2024	D	22	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GW-DG-8 TO 21-240530-LA [d]	05/30/2024	D	470	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GW-DG-8 TO 21-240530-DUP-LA [d]	05/30/2024	D	590	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GW-DG-8 TO 21-240605-LA	06/05/2024	D	13	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GW-DG-8 TO 21-240605-DUP-LA [b]	06/05/2024	D	8.8	--	--	--	--	--	--	--	--	--
DOOR-S-15.1GE-EXT-12 TO 13-240530-CB	05/30/2024	D	350	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.7GW-DG-13 TO 27-240530-LA	05/30/2024	D	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.1GW-DG-13 TO 27-240530-LA	05/30/2024	D	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.3GE-DG-12 TO 26-240530-LA	05/30/2024	D	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.3GE-DG-12 TO 26-240530-DUP-LA	05/30/2024	D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50



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

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Enclosure	µg/ft²	Concentration - µg/100 cm²								
Cleanup Goal (Low Occupancy Area)			<250	<100	<100	<100	<100	<100	<100	<100	<100	<100
DOOR-S-15.5GE-DG-12 TO 26-240530-LA	05/30/2024	D	72	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.9GE-INT-26 TO 27-240530-CB [b]	05/30/2024	D	230	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.9GE-INT-26 TO 27-240530-DUP-CB	05/30/2024	D	280	--	--	--	--	--	--	--	--	--
DOOR-S-15.3GW-INT-26 TO 27-240530-CB	05/30/2024	D	360	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.3GW-INT-26 TO 27-240530-DUP-CB [b]	05/30/2024	D	200	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-EXT-10 TO 11-240530-CB	05/30/2024	D	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.7GE-DG-11 TO 25-240530-LA	05/30/2024	D	270	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.7GW-DG-11 TO 25-240530-LA	05/30/2024	D	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.4GE-INT-18 TO 19-240627-CB	06/27/2024	A	240	--	--	--	--	--	--	--	--	--
ARCH-SGE-INT-8 TO 9-240627-CB	06/27/2024	A	210	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GE-PS-21-240627-G	06/27/2024	A	[f]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.5GE-PS-21-240702-G	7/2/2024	A	12	--	--	--	--	--	--	--	--	--
ARCH-SGE-DG-6 TO 16-240627-LA	06/27/2024	A	140	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.3GE-DG-6 TO 20-240627-LA	06/27/2024	A	300	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.1GE-EXT-5 TO 6-240627-CB [b]	06/27/2024	A	280	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.1GE-EXT-5 TO 6-240627-DUP-CB	06/27/2024	A	300	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GE-PS-19-240627-G	06/27/2024	A	110	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]	[e]
DOOR-S-15.5GE-PS-21-240702-G	07/02/2024	A	12	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GE-PS-21-240708-G	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-SGE-DG-6 TO 16-240708-LA	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.3GE-DG-6 TO 20-240708-LA	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.1GE-EXT-5 TO 6-240708-CB	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.2GE-PS-19-240708-G	07/08/2024	A	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.1GW-DG-6 TO 19-240718-LA	07/18/2024	C	100	--	--	--	--	--	--	--	--	--
DOOR-S-15.2GW-PS-19-240718-G	07/18/2024	C	130	--	--	--	--	--	--	--	--	--
DOOR-S-15.6GW-INT-17 TO 18-240718-CB	07/18/2024	C	190	--	--	--	--	--	--	--	--	--
DOOR-S-15.5GW-PS-21-240718-G	07/18/2024	C	70	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-SGW-DG-5.5 TO 17-240718-LA	07/18/2024	C	250	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.3GW-DG-7 TO 20-240718-LA	07/18/2024	C	240 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.3GW-DG-7 TO 20-240718-DUP-LA [b]	07/18/2024	C	54 J	--	--	--	--	--	--	--	--	--
DOOR-S-15.4GW-PS-20-240718-G	07/18/2024	C	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.3GW-INT-19 TO 20-240718-CB	07/18/2024	C	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.9GE-INT-19 TO 20-240731-CB	07/31/2024	B	65	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GE-EXT-5 TO 6-240731-CB	07/31/2024	B	80	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GW-INT-18 TO 19-240731-CB	07/31/2024	B	100	--	--	--	--	--	--	--	--	--
DOOR-S-15.9GW-DG-5 TO 18-240731-LA	07/31/2024	B	55	--	--	--	--	--	--	--	--	--
DOOR-S-15.7GE-PS-18-240731-G	07/31/2024	B	52	--	--	--	--	--	--	--	--	--
DOOR-S-15.8GW-PS-21-240731-G	07/31/2024	B	75	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.6GE-DG-7 TO 20-240731-LA	07/31/2024	B	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.7GE-INT-20 TO 21-240731-CB	07/31/2024	B	30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.8GW-DG-6 TO 20-240731-LA	07/31/2024	B	90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.8GE-DG-6 TO 19-240731-LA [b]	07/31/2024	B	68	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
DOOR-S-15.8GE-DG-6 TO 19-240731-DUP-LA	07/31/2024	B	120	--	--	--	--	--	--	--	--	--
95-Percent UCL (Low Occupancy) [c]			200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
240530-FIELDBLANK1-LO	05/30/2024	D	0.68	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

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

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

				Lead Result	PCBs								
					Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Enclosure	µg/ft ²	Concentration - µg/100 cm ²									
Cleanup Goal (Low Occupancy Area)				<250	<100	<100	<100	<100	<100	<100	<100	<100	<100
240530-FIELDBLANK2-LO	05/30/2024	D	1.1	--	--	--	--	--	--	--	--	--	--
240530-FIELDBLANK3-LO	05/30/2024	D	0.68	--	--	--	--	--	--	--	--	--	--
240627-FIELDBLANK1-LO	06/27/2024	A	1.5	--	--	--	--	--	--	--	--	--	--
240718-FIELDBLANK1-LO	07/18/2024	C	3.4	--	--	--	--	--	--	--	--	--	--
240731-FIELDBLANK1-LO	07/31/2024	B	<0.5	--	--	--	--	--	--	--	--	--	--
240530-MEDBLANK1-LO	05/30/2024	D	<0.5	--	--	--	--	--	--	--	--	--	--
240530-MEDBLANK2-LO	05/30/2024	D	<0.5	--	--	--	--	--	--	--	--	--	--
240530-MEDBLANK3-LO	05/30/2024	D	<0.5	--	--	--	--	--	--	--	--	--	--
240627-MEDBLANK1-LO	06/27/2024	A	<0.5	--	--	--	--	--	--	--	--	--	--
240718-MEDBLANK1-LO	07/18/2024	C	<0.5	--	--	--	--	--	--	--	--	--	--
240731-MEDBLANK1-LO	07/31/2024	B	<0.5	--	--	--	--	--	--	--	--	--	--

Acronyms and Abbreviations

J: Indicates an estimated value

NTCRA: Non-Time Critical Removal Action

PCBs: Polychlorinated Biphenyls

µg/100 cm²: micrograms per 100 square centimeters

µg/ft²: micrograms per square foot

UCL: Upper Confidence Limit

U.S. EPA: United States Environmental Protection Agency

--: Not collected/not applicable

Notes:

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

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

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

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

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

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

[f] The indicated location could not be analyzed due to an error in the preparation of the sample, therefore the location was re-abated and re-sampled on July 2, 2024. See Section 2.2.2 for additional information.

Bolded values indicate constituents detected above laboratory reporting limits.

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

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

Attachment 3

Confirmation Sampling Analytical Reports



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

enthalpy.com

Lab Job Number : 509116
Report Level : II
Report Date : 06/03/2024

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

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

Lab Job #: 509116
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/30/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.4GW-EXT-10 TO 11-240530-L-CB	509116-001	05/30/24 09:55	Wipe
DOOR-S-15.2GE-DG-10 TO 23-240530-L-G	509116-002	05/30/24 10:05	Wipe
DOOR-S-15.8GE-DG-10 TO 23-240530-L-G	509116-003	05/30/24 10:20	Wipe
DOOR-S-15.2GW-DG-10 TO 23-240530-L-G	509116-004	05/30/24 10:40	Wipe
DOOR-S-15.6GW-DG-10 TO 23-240530-L-G	509116-005	05/30/24 10:30	Wipe
ARCH-SGE-DG-2.5 TO 24-240530-L-LA	509116-006	05/30/24 10:55	Wipe
DOOR-S-15.5GE-PS-24-240530-L-G	509116-007	05/30/24 11:10	Wipe
DOOR-S-15.7GE-EXT-9 TO 10-240530-L-CB	509116-008	05/30/24 11:20	Wipe
DOOR-S-15.9GE-DG-10 TO 23-240530-L-LA	509116-009	05/30/24 11:25	Wipe
DOOR-S-15.9GE-DG-10 TO 23-240530-L-DUP-LA	509116-010	05/30/24 11:25	Wipe
DOOR-S-15.5GW-PS-24-240530-L-G	509116-011	05/30/24 11:40	Wipe
DOOR-S-15.6GE-DG-10 TO 23-240530-L-LA	509116-012	05/30/24 07:25	Wipe
DOOR-S-15.8GW-INT-23 TO 24-240530-L-CB	509116-013	05/30/24 07:35	Wipe
DOOR-S-15.2GW-INT-23 TO 24-240530-L-CB	509116-014	05/30/24 07:40	Wipe
ARCH-SGW-DG-3 TO 23-240530-L-LA	509116-015	05/30/24 07:50	Wipe

Sample Summary

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

Lab Job #: 509116
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/30/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.2GE-PS-23-240530-L-G	509116-016	05/30/24 08:05	Wipe
DOOR-S-15.6GE-PS-23-240530-L-G	509116-017	05/30/24 08:15	Wipe
DOOR-S-15.6GW-PS-23-240530-L-G	509116-018	05/30/24 08:25	Wipe
DOOR-S-15.8GW-PS-23-240530-L-G	509116-019	05/30/24 08:20	Wipe
DOOR-S-15.6GE-EXT-8 TO 9-240530-L-CB	509116-020	05/30/24 08:35	Wipe
DOOR-S-15.6GE-EXT-8 TO 9-240530-L-DUP-CB	509116-021	05/30/24 08:40	Wipe
DOOR-S-15.8GE-INT-22 TO 23-240530-L-CB	509116-022	05/30/24 08:45	Wipe
DOOR-S-15.9GW-DG-9 TO 22-240530-L-LA	509116-023	05/30/24 08:55	Wipe
DOOR-S-15.2GE-PS-22-240530-L-G	509116-024	05/30/24 09:15	Wipe
DOOR-S-15.4GE-PS-22-240530-L-G	509116-025	05/30/24 09:20	Wipe
DOOR-S-15.4GW-PS-22-240530-L-G	509116-026	05/30/24 09:35	Wipe
DOOR-S-15.8GW-PS-22-240530-L-G	509116-027	05/30/24 09:25	Wipe
DOOR-S-15.9GW-INT-21 TO 22-240530-L-CB	509116-028	05/30/24 09:45	Wipe
DOOR-S-15.7GW-INT-21 TO 22-240530-L-CB	509116-029	05/30/24 09:50	Wipe
DOOR-S-15.5GW-EXT-7 TO 8-240530-L-CB	509116-030	05/30/24 10:55	Wipe
ARCH-SGW-DG-4.5 TO 19-240530-L-LA	509116-031	05/30/24 10:05	Wipe
ARCH-SGE-INT-4.5 TO 5-240530-L-CB	509116-032	05/30/24 10:20	Wipe
DOOR-S-15.1GE-DG-8 TO 21-240530-L-LA	509116-033	05/30/24 10:25	Wipe

Sample Summary

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

Lab Job #: 509116
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/30/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.4GE-DG-8 TO 21-240530-L-LA	509116-034	05/30/24 10:35	Wipe
DOOR-S-15.6GW-DG-8 TO 21-240530-L-LA	509116-035	05/30/24 10:40	Wipe
DOOR-S-15.6GW-DG-8 TO 21-240530-L-DUP-LA	509116-036	05/30/24 10:45	Wipe
240530-L-FIELDBLANK1-LO	509116-037	05/30/24 09:45	Wipe
240530-L-MEDBLANK1-LO	509116-038	05/30/24 13:01	Wipe
240530-L-FIELDBLANK2-LO	509116-039	05/30/24 07:15	Wipe
240530-L-MEDBLANK2-LO	509116-040	05/30/24 13:02	Wipe
240530-L-FIELDBLANK3-LO	509116-041	05/30/24 07:18	Wipe
240530-L-MEDBLANK3-LO	509116-042	05/30/24 13:03	Wipe

Case Narrative

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

Lab Job 509116
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 05/30/24

This data package contains sample and QC results for forty two wipe samples, requested for the above referenced project on 05/31/24. The samples were received cold and intact.

Metals (EPA 6010B):

- An interference check standard recovered slightly high for lead in the presence of high concentrations of aluminum. As it relates to these samples, the bias is insignificant; results are flagged "b", but there is no effect on the data quality.
- No analytical problems were encountered.

509116

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
COC ID:				Standard:			
Page: 1 of 3				5 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 Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other Report: Level II data validation (lab use only)			
PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: D. Welsh, M.K.M. Global ID: Sampled By:				Analysis Request Lead - EPA Method 3050/6010B HOLD Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 8 Enclosure D (Low Occupancy)			
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:				Test Instructions / Comments Confirmation Wipe Samples - Level II Report/Stage 2A Validation			
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Company / Title	Date / Time
1 DOOR-S-15 4GW-EXT-10 TO 11-240530-L-CB	5/30/2024	0955	WP	1	--	Rincon / Env. Scientist	5/30/24 1430
2 DOOR-S-15 2GE-DG-10 TO 23-240530-L-G	5/30/2024	1005	WP	1	--	ENTHALPY	5/30/24 1430
3 DOOR-S-15 8GE-DG-10 TO 23-240530-L-G	5/30/2024	1020	WP	1	--	"	5/30/24 1616
4 DOOR-S-15 2GW-DG-10 TO 23-240530-L-G	5/30/2024	1040	WP	1	--	"	5/30/24 1656
5 DOOR-S-15 6GW-DG-10 TO 23-240530-L-G	5/30/2024	1030	WP	1	--	ENTHALPY	5/30/24 1739
6 ARCH-SGE-DG-2.5 TO 24-240530-L-LA	5/30/2024	1055	WP	1	--	E.A.	5/31/24 10:03
7 DOOR-S-15 SGE-PS-24-240530-L-G	5/30/2024	1110	WP	1	--		
8 DOOR-S-15 7GE-EXT-9 TO 10-240530-L-CB	5/30/2024	1120	WP	1	--		
9 DOOR-S-15 9GE-DG-10 TO 23-240530-L-LA	5/30/2024	1125	WP	1	--		
10 DOOR-S-15 9GE-DG-10 TO 23-240530-L-DUP-LA	5/30/2024	1125	WP	1	--		
11 DOOR-S-15 5GW-PS-24-240530-L-G	5/30/2024	1140	WP	1	--		
12 DOOR-S-15 6GE-DG-10 TO 23-240530-L-LA	5/30/2024	0725	WP	1	--		
13 DOOR-S-15 8GW-INT-23 TO 24-240530-L-CB	5/30/2024	0735	WP	1	--		
14 DOOR-S-15 2GW-INT-23 TO 24-240530-L-CB	5/30/2024	0740	WP	1	--		
15 ARCH-SGW-DG-3 TO 23-240530-L-LA	5/30/2024	0750	WP	1	--		
Signature				Print Name			
1 Relinquished By: [Signature]	[Signature]			David Welsh			
1 Received By: [Signature]	[Signature]			ANDREY HUDSON			
2 Relinquished By: [Signature]	[Signature]			ANDREY HUDSON			
2 Received By: [Signature]	[Signature]			MURRAY			
3 Relinquished By: [Signature]	[Signature]			JADEY HUDSON			
3 Received By: [Signature]	[Signature]			GEOFF SYPHON			

509116

Chain of Custody Record				Turn Around Time (rush by advanced notice only)							
COC ID:				Standard:							
Page: 2 of 3				5 Day: 1 Day: X (Pb)							
Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other				Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other							
Report: Level II data validation				Sample Receipt Temp: (lab use only)							
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900				PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: D. M. K. M.				Analysis Request Lead - EPA Method 3050/6010B HOLD Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 8 Enclosure D (Low Occupancy)			
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:				Test Instructions / Comments Confirmation Wipe Samples - Level II Report/Stage 2A Validation 4x Rivet Type 1 = 0.055 4x Rivet Type 2 = 0.055 4x Rivet Type 3 = 0.055 4x Rivet Type 4 = 0.055 2x Rivet Type 1 = 0.072 4x Rivet Type 2 = 0.055 4x Rivet Type 3 = 0.055 4x Rivet Type 4 = 0.055 4x Rivet Type 1 = 0.055 4x Rivet Type 2 = 0.055							
Signature Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]				Print Name Relinquished By: David Welch Received By: Audrey Hudson Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]				Company / Title Relinquished By: Rincon / Env. Scientist Received By: ENTHALPY Relinquished By: [Signature] Received By: [Signature] Relinquished By: E.A. Received By: E.A.			
Date / Time Relinquished By: 5/30/24 14:30 Received By: 5/30/24 14:30 Relinquished By: 5/30/24 16:16 Received By: 5/30/24 16:16 Relinquished By: 5/30/24 17:29 Received By: 5/31/24 10:03											

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 5/30/24 Login # 509116 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 5/30/24 By (print) Jadz Peterson (sign) [Signature]

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

If no cooler: Sample Temp (°C): _____

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

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

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

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

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

Preservative added:

☐ H2SO4 lot# _____	added to samples _____	Date/Time _____
☐ HCL lot# _____	added to samples _____	Date/Time _____
☐ HNO3 lot# _____	added to samples _____	Date/Time _____
☐ CrVI Buffer lot# _____	added to samples _____	Date/Time _____

Section 6: Explanations / Comments

Date Logged 5/30/24 By (print) Jadz Peterson (sign) [Signature]

Date Labeled 5/30/24 By (print) Jadz Peterson (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.



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 - NCTRA WP

Date Received: 5/31/24 Sampler's Name Present: ☒ Yes ☐ No

Section 2

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

Sample Temp (°C), One from each cooler: #1: 2.7 #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

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: *Diana Sphertm* Date: MAY 31 2024

2-7/2-7

SOUTHWEST AIRLINES

Printed on:
30 MAY 19:03

526 OAK 1342 **7842** 

SNA				PC# 2 OF
				5
				DG G
				LOT WT 175LB (79.5 KG)
OAK	WN 4558	31 MAY	06:05	
STN	FLT	DATE	ETD	LOT 01



PC ID: 0002
PC WT: 35LB

526 13427842 0002

S

Lead

Lab #: 509116		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.4GW-EXT-10 TO 11-240530-L-CB	Batch#: 341584	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509116-001	Received: 05/30/24	Analyst: SBW	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509116-001 Analyte		Result	RL Units
Lead		130	0.50 ug/ft2
Field ID: DOOR-S-15.2GE-DG-10 TO 23-240530-L-G	Batch#: 341584	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509116-002	Received: 05/30/24	Analyst: SBW	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509116-002 Analyte		Result	RL Units
Lead		240	0.50 ug/ft2
Field ID: DOOR-S-15.8GE-DG-10 TO 23-240530-L-G	Batch#: 341584	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509116-003	Received: 05/30/24	Analyst: SBW	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509116-003 Analyte		Result	RL Units
Lead		250	0.50 ug/ft2
Field ID: DOOR-S-15.2GW-DG-10 TO 23-240530-L-G	Batch#: 341584	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509116-004	Received: 05/30/24	Analyst: SBW	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509116-004 Analyte		Result	RL Units
Lead		200	0.50 ug/ft2
Field ID: DOOR-S-15.6GW-DG-10 TO 23-240530-L-G	Batch#: 341584	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509116-005	Received: 05/30/24	Analyst: SBW	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509116-005 Analyte		Result	RL Units
Lead		270	0.50 ug/ft2

Lead

Lab #: 509116		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-SGE-DG-2.5 TO 24-240530-L-LA	Batch#: 341584	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509116-006	Received: 05/30/24	Analyst: SBW	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509116-006 Analyte		Result	RL Units
Lead		210	0.50 ug/ft2
Field ID: DOOR-S-15.5GE-PS-24-240530-L-G		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-007		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-007 Analyte		Result	RL Units
Lead		71	0.50 ug/ft2
Field ID: DOOR-S-15.7GE-EXT-9 TO 10-240530-L-CB		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-008		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-008 Analyte		Result	RL Units
Lead		150	0.50 ug/ft2
Field ID: DOOR-S-15.9GE-DG-10 TO 23-240530-L-LA		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-009		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-009 Analyte		Result	RL Units
Lead		190	0.50 ug/ft2
Field ID: DOOR-S-15.9GE-DG-10 TO 23-240530-L-DUP-LA		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-010		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-010 Analyte		Result	RL Units
Lead		120	0.50 ug/ft2

Lead

Lab #: 509116		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.5GW-PS-24-240530-L-G	Batch#: 341584	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509116-011	Received: 05/30/24	Analyst: SBW	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509116-011 Analyte		Result	RL Units
Lead		40	0.50 ug/ft2
Field ID: DOOR-S-15.6GE-DG-10 TO 23-240530-L-LA		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-012		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-012 Analyte		Result	RL Units
Lead		110	0.50 ug/ft2
Field ID: DOOR-S-15.8GW-INT-23 TO 24-240530-L-CB		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-013		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-013 Analyte		Result	RL Units
Lead		120	0.50 ug/ft2
Field ID: DOOR-S-15.2GW-INT-23 TO 24-240530-L-CB		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-014		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-014 Analyte		Result	RL Units
Lead		400	0.50 ug/ft2
Field ID: ARCH-SGW-DG-3 TO 23-240530-L-LA		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-015		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-015 Analyte		Result	RL Units
Lead		350	0.50 ug/ft2

Lead

Lab #: 509116		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.2GE-PS-23-240530-L-G	Batch#: 341584	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509116-016	Received: 05/30/24	Analyst: SBW	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509116-016 Analyte		Result	RL Units
Lead		190	0.50 ug/ft2
Field ID: DOOR-S-15.6GE-PS-23-240530-L-G		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-017		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-017 Analyte		Result	RL Units
Lead		140	0.50 ug/ft2
Field ID: DOOR-S-15.6GW-PS-23-240530-L-G		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-018		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-018 Analyte		Result	RL Units
Lead		180	0.50 ug/ft2
Field ID: DOOR-S-15.8GW-PS-23-240530-L-G		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-019		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-019 Analyte		Result	RL Units
Lead		210	0.50 ug/ft2
Field ID: DOOR-S-15.6GE-EXT-8 TO 9-240530-L-CB		Batch#: 341584	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-020		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-020 Analyte		Result	RL Units
Lead		260	0.50 ug/ft2

Lead

Lab #: 509116		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.6GE-EXT-8 TO 9-240530-L-DUP-CB		Batch#: 341594	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-021		Received: 05/30/24	Analyst: RPS
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-021 Analyte		Result	RL Units
Lead		340	0.50 ug/ft2
Field ID: DOOR-S-15.8GE-INT-22 TO 23-240530-L-CB		Batch#: 341594	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-022		Received: 05/30/24	Analyst: RPS
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-022 Analyte		Result	RL Units
Lead		340	0.50 ug/ft2
Field ID: DOOR-S-15.9GW-DG-9 TO 22-240530-L-LA		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-023		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-023 Analyte		Result	RL Units
Lead		300	0.50 ug/ft2
Field ID: DOOR-S-15.2GE-PS-22-240530-L-G		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-024		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-024 Analyte		Result	RL Units
Lead		160	0.50 ug/ft2
Field ID: DOOR-S-15.4GE-PS-22-240530-L-G		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-025		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-025 Analyte		Result	RL Units
Lead		220	0.50 ug/ft2

Lead

Lab #: 509116		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.4GW-PS-22-240530-L-G	Batch#: 341589	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509116-026	Received: 05/30/24	Analyst: SBW	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509116-026 Analyte		Result	RL Units
Lead		160	0.50 ug/ft2
Field ID: DOOR-S-15.8GW-PS-22-240530-L-G		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-027		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-027 Analyte		Result	RL Units
Lead		210	0.50 ug/ft2
Field ID: DOOR-S-15.9GW-INT-21 TO 22-240530-L-CB		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-028		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-028 Analyte		Result	RL Units
Lead		340	0.50 ug/ft2
Field ID: DOOR-S-15.7GW-INT-21 TO 22-240530-L-CB		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-029		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-029 Analyte		Result	RL Units
Lead		220	0.50 ug/ft2
Field ID: DOOR-S-15.5GW-EXT-7 TO 8-240530-L-CB		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-030		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-030 Analyte		Result	RL Units
Lead		310	0.50 ug/ft2

Lead

Lab #: 509116		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-SGW-DG-4.5 TO 19-240530-L-LA	Batch#: 341589	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509116-031	Received: 05/30/24	Analyst: SBW	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 10.00	Analyzed: 06/02/24		
509116-031 Analyte		Result	RL
Lead		500	1.7
		ug/ft2	b
Field ID: ARCH-SGE-INT-4.5 TO 5-240530-L-CB		Batch#: 341589	
Type: SAMPLE		Sampled: 05/30/24	
Lab ID: 509116-032		Received: 05/30/24	
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-032 Analyte		Result	RL
Lead		380	0.50
		ug/ft2	
Field ID: DOOR-S-15.1GE-DG-8 TO 21-240530-L-LA		Batch#: 341589	
Type: SAMPLE		Sampled: 05/30/24	
Lab ID: 509116-033		Received: 05/30/24	
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-033 Analyte		Result	RL
Lead		410	0.50
		ug/ft2	
Field ID: DOOR-S-15.4GE-DG-8 TO 21-240530-L-LA		Batch#: 341589	
Type: SAMPLE		Sampled: 05/30/24	
Lab ID: 509116-034		Received: 05/30/24	
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 10.00		Analyzed: 06/02/24	
509116-034 Analyte		Result	RL
Lead		870	1.6
		ug/ft2	b
Field ID: DOOR-S-15.6GW-DG-8 TO 21-240530-L-LA		Batch#: 341589	
Type: SAMPLE		Sampled: 05/30/24	
Lab ID: 509116-035		Received: 05/30/24	
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 10.00		Analyzed: 06/02/24	
509116-035 Analyte		Result	RL
Lead		470	1.6
		ug/ft2	b

Lead

Lab #: 509116		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.6GW-DG-8 TO 21-240530-L-DUP-LA		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-036		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 10.00		Analyzed: 06/02/24	
509116-036 Analyte		Result	RL
Lead		590	1.6
			ug/ft2
			Qual
			b
Field ID: 240530-L-FIELDBLANK1-LO		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-037		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-037 Analyte		Result	RL
Lead		0.68	0.50
			ug/ft2
Field ID: 240530-L-MEDBLANK1-LO		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-038		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-038 Analyte		Result	RL
Lead		ND	0.50
			ug/ft2
Field ID: 240530-L-FIELDBLANK2-LO		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-039		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-039 Analyte		Result	RL
Lead		1.1	0.50
			ug/ft2
Field ID: 240530-L-MEDBLANK2-LO		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-040		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509116-040 Analyte		Result	RL
Lead		ND	0.50
			ug/ft2

Lead

Lab #: 509116		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: 240530-L-FIELDBLANK3-LO		Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-041		Received: 05/30/24	Analyst: SBW
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	

509116-041 Analyte	Result	RL	Units
Lead	0.68	0.50	ug/ft2

Field ID: 240530-L-MEDBLANK3-LO	Batch#: 341589	Prep: EPA 3050B
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509116-042	Received: 05/30/24	Analyst: SBW
Matrix: Wipe	Prepared: 05/31/24	
Diln Fac: 1.000	Analyzed: 05/31/24	

509116-042 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 341584	Analysis: EPA 6010B
Lab ID: QC1157413	Prepared: 05/31/24	Analyst: SBW
Matrix: Wipe	Analyzed: 05/31/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1157413 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 341589	Analysis: EPA 6010B
Lab ID: QC1157427	Prepared: 05/31/24	Analyst: SBW
Matrix: Wipe	Analyzed: 05/31/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1157427 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 341594	Analysis: EPA 6010B
Lab ID: QC1157444	Prepared: 05/31/24	Analyst: RPS
Matrix: Wipe	Analyzed: 05/31/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1157444 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected
RL: Reporting Limit
b: See narrative

Lead: Batch QC

Lab #: 509116

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1157414

Matrix: Wipe

Diln Fac: 1.000

Batch#: 341584

Prepared: 05/31/24

Analyzed: 05/31/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1157414 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	58.67	117	80-120	ug/ft2

Type: BS

Lab ID: QC1157429

Matrix: Wipe

Diln Fac: 1.000

Batch#: 341589

Prepared: 05/31/24

Analyzed: 05/31/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1157429 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	55.59	111	80-120	ug/ft2

Type: BS

Lab ID: QC1157445

Matrix: Wipe

Diln Fac: 1.000

Batch#: 341594

Prepared: 05/31/24

Analyzed: 05/31/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: RPS

QC1157445 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.10	104	80-120	ug/ft2

Type: BSD

Lab ID: QC1157415

Matrix: Wipe

Diln Fac: 1.000

Batch#: 341584

Prepared: 05/31/24

Analyzed: 05/31/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1157415 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	57.37	115	80-120	ug/ft2	2	20

Type: BSD

Lab ID: QC1157430

Matrix: Wipe

Diln Fac: 1.000

Batch#: 341589

Prepared: 05/31/24

Analyzed: 05/31/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1157430 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.94	110	80-120	ug/ft2	1	20

Type: BSD

Lab ID: QC1157446

Matrix: Wipe

Diln Fac: 1.000

Batch#: 341594

Prepared: 05/31/24

Analyzed: 05/31/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: RPS

QC1157446 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	50.88	102	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent
Difference



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

enthalpy.com

Lab Job Number : 509117
Report Level : IV
Report Date : 06/10/2024

PCBs

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

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

Lab Job #: 509117
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/30/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.1GE-EXT-12 TO 13-240530-P-CB	509117-001	05/30/24 07:15	Wipe
DOOR-S-15.7GW-DG-13 TO 27-240530-P-LA	509117-003	05/30/24 07:30	Wipe
DOOR-S-15.1GW-DG-13 TO 27-240530-P-LA	509117-005	05/30/24 07:50	Wipe
DOOR-S-15.3GE-DG-12 TO 26-240530-P-LA	509117-007	05/30/24 08:00	Wipe
DOOR-S-15.3GE-DG-12 TO 26-240530-P-DUP-LA	509117-008	05/30/24 08:00	Wipe
DOOR-S-15.5GE-DG-12 TO 26-240530-P-LA	509117-010	05/30/24 08:20	Wipe
DOOR-S-15.9GE-INT-26 TO 27-240530-P-CB	509117-012	05/30/24 08:30	Wipe
DOOR-S-15.3GW-INT-26 TO 27-240530-P-CB	509117-015	05/30/24 08:55	Wipe
DOOR-S-15.2GE-EXT-10 TO 11-240530-P-CB	509117-018	05/30/24 09:20	Wipe
DOOR-S-15.7GE-DG-11 TO 25-240530-P-LA	509117-020	05/30/24 09:30	Wipe
DOOR-S-15.7GW-DG-11 TO 25-240530-P-LA	509117-022	05/30/24 09:40	Wipe
240530-P-FIELDBLANK1-LO	509117-024	05/30/24 09:45	Wipe

Case Narrative

PCBS (EPA 8082)

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

Lab Job 509117
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 05/30/24

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 05/31/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900										Chain of Custody Record COC ID: Page: 1 of 2 Standard: 2 Day: 3 Day: Turn Around Time (rush by advanced notice only)																													
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:										PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: Address: 158 Cody Road, Mountain View, CA Global ID: Sampled By: D. Wulsh										Analysis Request PCBs - EPA Method 3546/8082 Lead by EPA Method 3050M/60108 Matrix: WP Container No. / Size: 1 Pres.: --										Test Instructions / Comments Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm2 basis HOLD Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 8 Enclosure D (Low Occupancy)									
Sample ID 1 DOOR-S-15 1GE-EXT-12 TO 13-240530-P-CB 2 DOOR-S-15 1GE-EXT-12 TO 13-240530-L-CB 3 DOOR-S-15 7GW-DG-13 TO 27-240530-P-LA 4 DOOR-S-15 7GW-DG-13 TO 27-240530-L-LA 5 DOOR-S-15 1GW-DG-13 TO 27-240530-P-LA 6 DOOR-S-15 1GW-DG-13 TO 27-240530-L-LA 7 DOOR-S-15 3GE-DG-12 TO 26-240530-P-LA 8 DOOR-S-15 3GE-DG-12 TO 26-240530-P-DUP-LA 9 DOOR-S-15 3GE-DG-12 TO 26-240530-L-LA 10 DOOR-S-15 5GE-DG-12 TO 26-240530-P-LA 11 DOOR-S-15 5GE-DG-12 TO 26-240530-L-LA 12 DOOR-S-15 9GE-INT-26 TO 27-240530-P-CB 13 DOOR-S-15 9GE-INT-26 TO 27-240530-L-CB 14 DOOR-S-15 9GE-INT-26 TO 27-240530-L-DUP-CB 15 DOOR-S-15 3GW-INT-26 TO 27-240530-P-CB										Company / Title Rincon / Env. Scientist ENTHALPY 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1										Date / Time 5/30/24 14:30 5/30/24 14:30 5/30/24 14:16 5/30/24 16:16 5/30/24 17:29 MAY 31 2024 10:30																			
Signature Rincon Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker										Print Name Donald Wulsh ANDREY MUOSY " Donald Wulsh Jake Peterson G. V. V.										Relinquished By: Received By: Relinquished By: Received By: Relinquished By: Received By:																			

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



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants 509117

Project: Hangar 1 NTCRA

Date Received: 5/31/24

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 2.5 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam

☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.5 #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

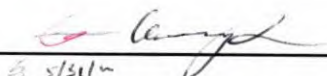
Explanations/Comments

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: 5/31/24

5/31/24

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc.

931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209

www.enthalpy.com/socal

Sample Acceptance Checklist – Rev 4, 8/8/2017

2.5/25

SOUTHWEST AIRLINES

Printed on:
30 MAY 19:03

526 OAK 1342 7842 

SNA		PC#		
		3 OF		
		5		
		DG		
		G		
		LOT WT		
		175 LB		
		(79.5 KG)		
OAK	WN 4558	31 MAY	06:05	
STN	FLT	DATE	ETD	LOT 01



PC ID: 0023
PC WT: 35Lb

526 13427842 0003

S

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 509117	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.1GE-EXT-12 TO 13-240530-P-CB	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-001	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-001 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

509117-001 Surrogate	%REC	Limits
TCMX (PCB)	90	19-121
Decachlorobiphenyl (PCB)	78	19-121

Field ID: DOOR-S-15.7GW-DG-13 TO 27-240530-P-LA	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-003	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-003 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

509117-003 Surrogate	%REC	Limits
TCMX (PCB)	85	19-121
Decachlorobiphenyl (PCB)	83	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 509117	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.1GW-DG-13 TO 27-240530-P-LA	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-005	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-005 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
509117-005 Surrogate		%REC	Limits
TCMX (PCB)		90	19-121
Decachlorobiphenyl (PCB)		80	19-121

Field ID: DOOR-S-15.3GE-DG-12 TO 26-240530-P-LA	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-007	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-007 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
509117-007 Surrogate		%REC	Limits
TCMX (PCB)		81	19-121
Decachlorobiphenyl (PCB)		75	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 509117	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.3GE-DG-12 TO 26-240530-P-DUP-LA	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-008	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-008 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

509117-008 Surrogate	%REC	Limits
TCMX (PCB)	89	19-121
Decachlorobiphenyl (PCB)	81	19-121

Field ID: DOOR-S-15.5GE-DG-12 TO 26-240530-P-LA	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-010	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-010 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

509117-010 Surrogate	%REC	Limits
TCMX (PCB)	86	19-121
Decachlorobiphenyl (PCB)	85	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 509117	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.9GE-INT-26 TO 27-240530-P-CB	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-012	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-012 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
509117-012 Surrogate		%REC	Limits
TCMX (PCB)		92	19-121
Decachlorobiphenyl (PCB)		87	19-121

Field ID: DOOR-S-15.3GW-INT-26 TO 27-240530-P-CB	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-015	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-015 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

509117-015 Surrogate	%REC	Limits
TCMX (PCB)	86	19-121
Decachlorobiphenyl (PCB)	79	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 509117	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.2GE-EXT-10 TO 11-240530-P-CB	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-018	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-018 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

509117-018 Surrogate	%REC	Limits
TCMX (PCB)	85	19-121
Decachlorobiphenyl (PCB)	75	19-121

Field ID: DOOR-S-15.7GE-DG-11 TO 25-240530-P-LA	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-020	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-020 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

509117-020 Surrogate	%REC	Limits
TCMX (PCB)	83	19-121
Decachlorobiphenyl (PCB)	83	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 509117	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.7GW-DG-11 TO 25-240530-P-LA	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-022	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-022 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

509117-022 Surrogate	%REC	Limits
TCMX (PCB)	93	19-121
Decachlorobiphenyl (PCB)	85	19-121

Field ID: 240530-P-FIELDBLANK1-LO	Batch#: 341640	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 8082
Lab ID: 509117-024	Received: 05/30/24	Analyst: MES
Matrix: Wipe	Prepared: 06/01/24	
Diln Fac: 1.000	Analyzed: 06/03/24	

509117-024 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

509117-024 Surrogate	%REC	Limits
TCMX (PCB)	86	19-121
Decachlorobiphenyl (PCB)	81	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 509117

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 341640

Analysis: EPA 8082

Lab ID: QC1157615

Prepared: 06/01/24

Analyst: MES

Matrix: Wipe

Analyzed: 06/03/24

Diln Fac: 1.000

Prep: EPA 3546

QC1157615 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
QC1157615 Surrogate		%REC	Limits
TCMX (PCB)		89	19-121
Decachlorobiphenyl (PCB)		76	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 509117

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 341640

Analysis: EPA 8082

Lab ID: QC1157616

Prepared: 06/01/24

Analyst: MES

Matrix: Wipe

Analyzed: 06/03/24

Diln Fac: 1.000

Prep: EPA 3546

QC1157616 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.924	78	60-140	ug/100 cm2
Aroclor-1260	5.000	4.278	86	60-140	ug/100 cm2

QC1157616 Surrogate	%REC	Limits
TCMX (PCB)	88	19-121
Decachlorobiphenyl (PCB)	82	19-121

Type: BSD

Batch#: 341640

Analysis: EPA 8082

Lab ID: QC1157617

Prepared: 06/01/24

Analyst: MES

Matrix: Wipe

Analyzed: 06/03/24

Diln Fac: 1.000

Prep: EPA 3546

QC1157617 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.813	76	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	4.182	84	60-140	ug/100 cm2	2	20

QC1157617 Surrogate	%REC	Limits
TCMX (PCB)	88	19-121
Decachlorobiphenyl (PCB)	81	19-121

Legend

RPD: Relative Percent
Difference

Instrument: SVOA-GC06
 Calibration #: 454215118005
 Units: ug/L

Name: PCB_ICAL_052824
 Date: 28-MAY-2024 19:56
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_052824030	454215118030		28-MAY-2024 20:16	S20227
L2	gc06_052824031	454215118031		28-MAY-2024 20:35	S20228
L3	gc06_052824032	454215118032		28-MAY-2024 20:53	S20229
L4	gc06_052824033	454215118033		28-MAY-2024 21:12	S20230
L5	gc06_052824034	454215118034		28-MAY-2024 21:30	S20231
L6	gc06_052824035	454215118035		28-MAY-2024 21:49	S20232
L7	gc06_052824036	454215118036		28-MAY-2024 22:09	S20233
L8	gc06_052824037	454215118037		28-MAY-2024 22:28	S20234
L9	gc06_052824038	454215118038		28-MAY-2024 22:46	S20235

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		50.9432		0.0196	11	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		26.0844		0.0383	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.3295		0.0492	15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		31.8060		0.0314	12	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		33.4482		0.0299	14	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.9270		0.0628	16	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.0949		0.0991	15	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		8.82715		0.1133	11	7	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		16.8298		0.0594	9	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		14.9901		0.0667	12	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.92703		1.0787	15	9	.99	20	
TCMX (PCB)	A	AVRG		1.08180		0.9244	11	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6773		0.0201	17	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		23.6793		0.0422	20	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.2682		0.0547	17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		24.8379		0.0403	19	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		29.3396		0.0341	19	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.0707		0.0664	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.2620		0.0754	17	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.8604		0.0921	18	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		21.3902		0.0468	14	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		15.7257		0.0636	20	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		1.38448		0.7223	17	9	.99	20	
TCMX (PCB)	B	AVRG		1.13447		0.8815	15	9	.99	20	

Instrument: SVOA-GC06
 Calibration #: 454215118005
 Units: ug/L

Name: PCB_ICAL_052824
 Date: 28-MAY-2024 19:56
 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	0.0210	0.0228	0.0222	0.0204	0.0196	0.0186	0.0178	0.0173	0.0170
Aroclor-1016 Peak # 2	A	0.0463	0.0463	0.0423	0.0392	0.0372	0.0353	0.0338	0.0326	0.0320
Aroclor-1016 Peak # 3	A	0.0649	0.0558	0.0536	0.0488	0.0456	0.0444	0.0440	0.0426	0.0430
Aroclor-1016 Peak # 4	A	0.0372	0.0365	0.0349	0.0318	0.0305	0.0293	0.0281	0.0274	0.0272
Aroclor-1016 Peak # 5	A	0.0356	0.0360	0.0327	0.0305	0.0288	0.0277	0.0268	0.0259	0.0253
Aroclor-1260 Peak # 1	A	0.0774	0.0766	0.0701	0.0646	0.0594	0.0570	0.0556	0.0529	0.0515
Aroclor-1260 Peak # 2	A	0.1222	0.1190	0.1105	0.1015	0.0942	0.0905	0.0871	0.0843	0.0824
Aroclor-1260 Peak # 3	A	0.1303	0.1274	0.1190	0.1106	0.1046	0.1022	0.0989		
Aroclor-1260 Peak # 4	A	0.0681	0.0627	0.0647	0.0602	0.0593	0.0575	0.0555	0.0539	0.0528
Aroclor-1260 Peak # 5	A	0.0850	0.0716	0.0696	0.0678	0.0619	0.0628	0.0614	0.0606	0.0599
Decachlorobiphenyl (PCB)	A	1.4580	1.1601	1.1123	1.0544	0.9965	1.0047	0.9956	0.9729	0.9541
TCMX (PCB)	A	1.1183	1.0484	0.9561	0.8975	0.8699	0.8623	0.8397	0.8517	0.8755
Aroclor-1016 Peak # 1	B	0.0250	0.0249	0.0222	0.0208	0.0193	0.0184	0.0177	0.0172	0.0156
Aroclor-1016 Peak # 2	B	0.0578	0.0506	0.0484	0.0437	0.0399	0.0375	0.0359	0.0345	0.0317
Aroclor-1016 Peak # 3	B	0.0693	0.0677	0.0612	0.0564	0.0508	0.0488	0.0478	0.0470	0.0437
Aroclor-1016 Peak # 4	B	0.0507	0.0522	0.0452	0.0406	0.0375	0.0360	0.0346	0.0339	0.0316
Aroclor-1016 Peak # 5	B	0.0473	0.0406	0.0374	0.0344	0.0317	0.0304	0.0296	0.0287	0.0267
Aroclor-1260 Peak # 1	B	0.0854	0.0792	0.0737	0.0681	0.0626	0.0602	0.0585	0.0566	0.0529
Aroclor-1260 Peak # 2	B	0.0913	0.0968	0.0851	0.0760	0.0710	0.0686	0.0662	0.0642	0.0595
Aroclor-1260 Peak # 3	B	0.1228	0.1128	0.1019	0.0930	0.0844	0.0820	0.0802	0.0784	0.0733
Aroclor-1260 Peak # 4	B	0.0559	0.0533	0.0546	0.0480	0.0444	0.0431	0.0422	0.0411	0.0380
Aroclor-1260 Peak # 5	B	0.0873	0.0752	0.0751	0.0623	0.0568	0.0562	0.0548	0.0540	0.0506
Decachlorobiphenyl (PCB)	B	0.9312	0.8602	0.8464	0.7144	0.6617	0.6530	0.6390	0.6195	0.5753
TCMX (PCB)	B	1.1322	1.0404	0.9467	0.8659	0.8228	0.7990	0.7870	0.7801	0.7592

Instrument: SVOA-GC06
 Calibration #: 454215118005
 Units: ug/L

Name: PCB_ICAL_052824
 Date: 28-MAY-2024 19:56
 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	7	50.000	16	100.00	13	250.00	4	500.00	0	750.00	-5	1000.0	-9	1500.0	-12
Aroclor-1016 Peak # 2	A	20.000	21	50.000	21	100.00	10	250.00	2	500.00	-3	750.00	-8	1000.0	-12	1500.0	-15
Aroclor-1016 Peak # 3	A	20.000	32	50.000	13	100.00	9	250.00	-1	500.00	-7	750.00	-10	1000.0	-11	1500.0	-13
Aroclor-1016 Peak # 4	A	20.000	18	50.000	16	100.00	11	250.00	1	500.00	-3	750.00	-7	1000.0	-10	1500.0	-13
Aroclor-1016 Peak # 5	A	20.000	19	50.000	20	100.00	9	250.00	2	500.00	-4	750.00	-7	1000.0	-10	1500.0	-13
Aroclor-1260 Peak # 1	A	20.000	23	50.000	22	100.00	12	250.00	3	500.00	-5	750.00	-9	1000.0	-12	1500.0	-16
Aroclor-1260 Peak # 2	A	20.000	23	50.000	20	100.00	12	250.00	2	500.00	-5	750.00	-9	1000.0	-12	1500.0	-15
Aroclor-1260 Peak # 3	A	20.000	15	50.000	12	100.00	5	250.00	-2	500.00	-8	750.00	-10	1000.0	-13		
Aroclor-1260 Peak # 4	A	20.000	15	50.000	6	100.00	9	250.00	1	500.00	0	750.00	-3	1000.0	-7	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	27	50.000	7	100.00	4	250.00	2	500.00	-7	750.00	-6	1000.0	-8	1500.0	-9
Decachlorobiphenyl (PCB)	A	1.6000	35	4.0000	8	8.0000	3	20.000	-2	40.000	-8	60.000	-7	80.000	-8	120.00	-10
TCMX (PCB)	A	1.6000	21	4.0000	13	8.0000	3	20.000	-3	40.000	-6	60.000	-7	80.000	-9	120.00	-8
Aroclor-1016 Peak # 1	B	20.000	24	50.000	24	100.00	10	250.00	3	500.00	-4	750.00	-9	1000.0	-12	1500.0	-14
Aroclor-1016 Peak # 2	B	20.000	37	50.000	20	100.00	15	250.00	4	500.00	-6	750.00	-11	1000.0	-15	1500.0	-18
Aroclor-1016 Peak # 3	B	20.000	27	50.000	24	100.00	12	250.00	3	500.00	-7	750.00	-11	1000.0	-13	1500.0	-14
Aroclor-1016 Peak # 4	B	20.000	26	50.000	30	100.00	12	250.00	1	500.00	-7	750.00	-11	1000.0	-14	1500.0	-16
Aroclor-1016 Peak # 5	B	20.000	39	50.000	19	100.00	10	250.00	1	500.00	-7	750.00	-11	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 1	B	20.000	29	50.000	19	100.00	11	250.00	3	500.00	-6	750.00	-9	1000.0	-12	1500.0	-15
Aroclor-1260 Peak # 2	B	20.000	21	50.000	28	100.00	13	250.00	1	500.00	-6	750.00	-9	1000.0	-12	1500.0	-15
Aroclor-1260 Peak # 3	B	20.000	33	50.000	22	100.00	11	250.00	1	500.00	-8	750.00	-11	1000.0	-13	1500.0	-15
Aroclor-1260 Peak # 4	B	20.000	20	50.000	14	100.00	17	250.00	3	500.00	-5	750.00	-8	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 5	B	20.000	37	50.000	18	100.00	18	250.00	-2	500.00	-11	750.00	-12	1000.0	-14	1500.0	-15
Decachlorobiphenyl (PCB)	B	1.6000	29	4.0000	19	8.0000	17	20.000	-1	40.000	-8	60.000	-10	80.000	-12	120.00	-14
TCMX (PCB)	B	1.6000	28	4.0000	18	8.0000	7	20.000	-2	40.000	-7	60.000	-9	80.000	-11	120.00	-12

Instrument: SVOA-GC06
 Calibration #: 454215118005
 Units: ug/L

Name: PCB_ICAL_052824
 Date: 28-MAY-2024 19:56
 X Axis: R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-17
Aroclor-1016 Peak # 3	A	2000.0	-13
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-17
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A	2000.0	-11
Aroclor-1260 Peak # 5	A	2000.0	-10
Decachlorobiphenyl (PCB)	A	160.00	-12
TCMX (PCB)	A	160.00	-5
Aroclor-1016 Peak # 1	B	2000.0	-22
Aroclor-1016 Peak # 2	B	2000.0	-25
Aroclor-1016 Peak # 3	B	2000.0	-20
Aroclor-1016 Peak # 4	B	2000.0	-22
Aroclor-1016 Peak # 5	B	2000.0	-22
Aroclor-1260 Peak # 1	B	2000.0	-20
Aroclor-1260 Peak # 2	B	2000.0	-21
Aroclor-1260 Peak # 3	B	2000.0	-20
Aroclor-1260 Peak # 4	B	2000.0	-19
Aroclor-1260 Peak # 5	B	2000.0	-20
Decachlorobiphenyl (PCB)	B	160.00	-20
TCMX (PCB)	B	160.00	-14

MES 05/31/24 : Corrected automatically drawn baseline for all channels in all levels.

Analyst: MES 05/31/24

Reviewer: LW 05/31/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 509117 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	Name: PCB_ICAL_052824
Calnum: 454215118005	Cal Date: 28-MAY-2024

• ICV 454215118044 (gc06_052924005 29-MAY-2024) stds: S20827

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	530.0	ug/L	6	15	
Aroclor-1260	A	500.0	539.9	ug/L	8	15	
Aroclor-1016	B	500.0	493.8	ug/L	-1	15	
Aroclor-1260	B	500.0	484.8	ug/L	-3	15	

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Analyst: MES 05/30/24 *

Reviewer: LW 05/31/24

ENTHALPY CONTINUING CALIBRATION FOR 509117 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_060324004	IDF: 1.0
Seqnum: 454224018004	Caldate: 28-MAY-2024	Time: 03-JUN-2024 14:15
Cal: 454215118005		

Standards: S20894

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	474.4	ug/L	-5	15	0.0000	
Aroclor-1260	A			500.0	432.1	ug/L	-14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.0787	0.9232	40.00	34.23	ug/L	-14	15	0.0000	
TCMX (PCB)	A	0.9244	0.8502	40.00	36.79	ug/L	-8	15	0.0000	
Aroclor-1016	B			500.0	437.6	ug/L	-12	15	0.0000	
Aroclor-1260	B			500.0	434.4	ug/L	-13	15	0.0000	
Decachlorobiphenyl (PCB)	B	0.7223	0.6152	40.00	34.07	ug/L	-15	15	0.0000	
TCMX (PCB)	B	0.8815	0.8058	40.00	36.57	ug/L	-9	15	0.0000	

ISTD (ICAL gc06_052824031)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45338330	50728464	11.89
1-bromo-2-nitrobenzene (PCB)	A	10028486	9322089	-7.04

06/03/24 : 500 PPB PCB CCV

MES 06/04/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Date: 06/03/24		Reference: gc06_052824031		
Sequence: SVOA-GC06 gc06_060324		Analyzed: 05/28/24 20:35		
#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	45338330	10028486
		LOWER LIMIT	22669165	5014243
		UPPER LIMIT	90676660	20056972
004	CCV		50728464	9322089

Date: 06/03/24
Sequence: SVOA-GC06 gc06_060324

Reference: gc06_060324004
Analyzed: 06/03/24 14:15

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	50728464	9322089
		LOWER LIMIT	25364232	4661044
		UPPER LIMIT	101456928	18644177
011	BLANK	QC1156745	54565066	14445991
011	BLANK	QC1156745	54565066	14445991
014	BS	QC1156748	53536179	12368732
015	BSD	QC1156749	55553903	10430831
016	SAMPLE	508978-006	54051905	17605355
016	SAMPLE	508978-006	54051905	17605355
017	SAMPLE	508978-012	56569914	14867444
017	SAMPLE	508978-012	56569914	14867444
018	SAMPLE	508978-018	51079087	13910022
018	SAMPLE	508978-018	51079087	13910022
019	BLANK	QC1157615	57298544	9690849
020	BS	QC1157616	54609708	9092088
021	BSD	QC1157617	55970807	9384400
022	SAMPLE	509117-001	55651688	9691617
023	SAMPLE	509117-003	52802219	9010264
024	SAMPLE	509117-005	55290965	9231414
025	SAMPLE	509117-007	53234409	8758374
026	SAMPLE	509117-008	53562855	8844836
027	SAMPLE	509117-010	48724538	7880398
028	SAMPLE	509117-012	48243257	7905735
029	SAMPLE	509117-015	49777586	8132332
030	SAMPLE	509117-018	50649618	8182383
031	SAMPLE	509117-020	48630846	7922674
032	SAMPLE	509117-022	50360375	8468113
033	SAMPLE	509117-024	52733074	8565646

Date: 06/03/24
Sequence: SVOA-GC06 gc06_060324

Reference: gc06_060324004
Analyzed: 06/03/24 14:15

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	3.88	3.70
		LOWER LIMIT	3.68	3.50
		UPPER LIMIT	4.08	3.90
011	BLANK	QC1156745	3.88	3.70
014	BS	QC1156748	3.88	3.70
015	BSD	QC1156749	3.88	3.70
016	SAMPLE	508978-006	3.88	3.70
017	SAMPLE	508978-012	3.88	3.70
018	SAMPLE	508978-018	3.88	3.70
019	BLANK	QC1157615	3.88	3.70
020	BS	QC1157616	3.88	3.70
021	BSD	QC1157617	3.88	3.70
022	SAMPLE	509117-001	3.88	3.70
023	SAMPLE	509117-003	3.88	3.70
024	SAMPLE	509117-005	3.88	3.70
025	SAMPLE	509117-007	3.88	3.70
026	SAMPLE	509117-008	3.88	3.70
027	SAMPLE	509117-010	3.88	3.70
028	SAMPLE	509117-012	3.88	3.70
029	SAMPLE	509117-015	3.88	3.70
030	SAMPLE	509117-018	3.88	3.70
031	SAMPLE	509117-020	3.88	3.70
032	SAMPLE	509117-022	3.88	3.70
033	SAMPLE	509117-024	3.88	3.70

Instrument: SVOA-GC06

Begun: 05/28/24 09:18

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_052824002	PEM				05/28/24 09:18	1.0	1	
003	gc06_052824003	CCV				05/28/24 09:37	1.0	2	ac
004	gc06_052824004	CCV				05/28/24 09:56	1.0	3	
005	gc06_052824005	CCV				05/28/24 10:14	1.0	2	ac
006	gc06_052824006	CCV				05/28/24 10:43	1.0	4	ac
008	gc06_052824008	PEM				05/28/24 14:21	1.0	1	
009	gc06_052824009	CCV				05/28/24 14:40	1.0	2	ac
018	gc06_052824018	ICAL				05/28/24 16:31	1.0	5	
019	gc06_052824019	ICAL				05/28/24 16:50	1.0	6	
020	gc06_052824020	ICAL				05/28/24 17:08	1.0	7	
021	gc06_052824021	ICAL				05/28/24 17:27	1.0	8	
022	gc06_052824022	ICAL				05/28/24 17:46	1.0	9	
023	gc06_052824023	ICAL				05/28/24 18:04	1.0	10	
024	gc06_052824024	ICAL				05/28/24 18:23	1.0	11	
025	gc06_052824025	ICAL				05/28/24 18:41	1.0	12	
027	gc06_052824027	ICV				05/28/24 19:19	1.0	13	
029	gc06_052824029	ICAL				05/28/24 19:56	1.0	14	
030	gc06_052824030	ICAL				05/28/24 20:16	1.0	15	
031	gc06_052824031	ICAL				05/28/24 20:35	1.0	16	
032	gc06_052824032	ICAL				05/28/24 20:53	1.0	17	
033	gc06_052824033	ICAL				05/28/24 21:12	1.0	18	
034	gc06_052824034	ICAL				05/28/24 21:30	1.0	19	
035	gc06_052824035	ICAL				05/28/24 21:49	1.0	20	
036	gc06_052824036	ICAL				05/28/24 22:09	1.0	21	
037	gc06_052824037	ICAL				05/28/24 22:28	1.0	22	
038	gc06_052824038	ICAL				05/28/24 22:46	1.0	23	
040	gc06_052824040	XICV				05/28/24 23:25	1.0	24	
041	gc06_052924002	PEM				05/29/24 08:07	1.0	1	
042	gc06_052924003	CCV				05/29/24 08:26	1.0	2	ac
043	gc06_052924004	CCV				05/29/24 08:46	1.0	3	
044	gc06_052924005	ICV				05/29/24 10:41	1.0	24	

MES 05/30/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 44.

ac=average CCV drift out

Standards Used:

1=S19911 2=S20440 3=S20460 4=S20831 5=S20813 6=S20814 7=S20815 8=S20816 9=S20817 10=S20818 11=S20819 12=S20820 13=S20829 14=S20226 15=S20227
16=S20228 17=S20229 18=S20230 19=S20231 20=S20232 21=S20233 22=S20234 23=S20235 24=S20827

Instrument: SVOA-GC06

Begun: 06/03/24 13:38

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_060324002	PEM				06/03/24 13:38	1.0	1	
003	gc06_060324003	CCV				06/03/24 13:56	1.0	2	
004	gc06_060324004	CCV				06/03/24 14:15	1.0	3	
011	gc06_060324011	BLANK	QC1156745	Soil	341383	06/03/24 16:28	1.0	4	
012	gc06_060324012	BS	QC1156746	Soil	341383	06/03/24 16:47	1.0	4	
013	gc06_060324013	BSD	QC1156747	Soil	341383	06/03/24 17:07	1.0	4	
014	gc06_060324014	BS	QC1156748	Soil	341383	06/03/24 17:26	1.0	4	
015	gc06_060324015	BSD	QC1156749	Soil	341383	06/03/24 17:44	1.0	4	
016	gc06_060324016	SAMPLE	508978-006	Soil	341383	06/03/24 18:03	1.0	4	
017	gc06_060324017	SAMPLE	508978-012	Soil	341383	06/03/24 18:22	1.0	4	
018	gc06_060324018	SAMPLE	508978-018	Soil	341383	06/03/24 18:40	1.0	4	
019	gc06_060324019	BLANK	QC1157615	Wipe	341640	06/03/24 18:59	1.0	4	
020	gc06_060324020	BS	QC1157616	Wipe	341640	06/03/24 19:17	1.0	4	
021	gc06_060324021	BSD	QC1157617	Wipe	341640	06/03/24 19:36	1.0	4	
022	gc06_060324022	SAMPLE	509117-001	Wipe	341640	06/03/24 19:54	1.0	4	
023	gc06_060324023	SAMPLE	509117-003	Wipe	341640	06/03/24 20:13	1.0	4	
024	gc06_060324024	SAMPLE	509117-005	Wipe	341640	06/03/24 20:33	1.0	4	
025	gc06_060324025	SAMPLE	509117-007	Wipe	341640	06/03/24 20:51	1.0	4	
026	gc06_060324026	SAMPLE	509117-008	Wipe	341640	06/03/24 21:10	1.0	4	
027	gc06_060324027	SAMPLE	509117-010	Wipe	341640	06/03/24 21:28	1.0	4	
028	gc06_060324028	SAMPLE	509117-012	Wipe	341640	06/03/24 21:47	1.0	4	
029	gc06_060324029	SAMPLE	509117-015	Wipe	341640	06/03/24 22:06	1.0	4	
030	gc06_060324030	SAMPLE	509117-018	Wipe	341640	06/03/24 22:24	1.0	4	
031	gc06_060324031	SAMPLE	509117-020	Wipe	341640	06/03/24 22:43	1.0	4	
032	gc06_060324032	SAMPLE	509117-022	Wipe	341640	06/03/24 23:01	1.0	4	
033	gc06_060324033	SAMPLE	509117-024	Wipe	341640	06/03/24 23:20	1.0	4	

MES 06/04/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 3 through 33.

Standards Used:

1=S19911 2=S20879 3=S20894 4=S20106

SAMPLE PREPARATION SUMMARY

Batch #: 341640	Prep Date: 01-JUN-2024 14:33	Started By: AEB
Analysis: 8080	Method: 3546	Finished By: AEB

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20854	Spike S20711	Analysis
QC1157615 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1157616 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1157617 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
509117-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-007	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-010	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-012	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-015	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-018	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-020	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-022	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
509117-024	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE

Analyst: MES 06/04/24

Reviewer: MTS 06/06/24

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: wipes Date/Time: 06/01/2024 Initials: AEB

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

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

Balance ID: N/A Microdispenser ID: Syringe

Extraction Start Time*: 14:41 Extraction end time*: 15:26
* For hot block microwave shaker table

608.3 QC Batch#:

8081 QC Batch #:

8082 QC Batch #: 341640

* For hot block, microwave, shaker table

[illegible]Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: E1203-US

Acetone-Hexane Mix ID: WR-052924-001

Sodium Sulfate Lot: 231469

Baked Sand Lot: N/A

Surrogate ID: S20854

Pest LCS Spike ID: N/A Volume: N/A μ L

PCB LCS Spike ID: 520711 Volume: 500 μ L

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

PCB MS/MSD Spike ID: N/A Volume: N/A μ L

REPORTING SUMMARY FOR 509117 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
509117-001	Aroclor-1016	SVOA-GC06	B	06/03/24 19:54
509117-001	Aroclor-1221	SVOA-GC06	B	06/03/24 19:54
509117-001	Aroclor-1232	SVOA-GC06	B	06/03/24 19:54
509117-001	Aroclor-1242	SVOA-GC06	B	06/03/24 19:54
509117-001	Aroclor-1248	SVOA-GC06	B	06/03/24 19:54
509117-001	Aroclor-1254	SVOA-GC06	B	06/03/24 19:54
509117-001	Aroclor-1260	SVOA-GC06	B	06/03/24 19:54
509117-001	Aroclor-1262	SVOA-GC06	B	06/03/24 19:54
509117-001	Aroclor-1268	SVOA-GC06	B	06/03/24 19:54
509117-001	TCMX (PCB)	SVOA-GC06	B	06/03/24 19:54
509117-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 19:54
509117-003	Aroclor-1016	SVOA-GC06	B	06/03/24 20:13
509117-003	Aroclor-1221	SVOA-GC06	B	06/03/24 20:13
509117-003	Aroclor-1232	SVOA-GC06	B	06/03/24 20:13
509117-003	Aroclor-1242	SVOA-GC06	B	06/03/24 20:13
509117-003	Aroclor-1248	SVOA-GC06	B	06/03/24 20:13
509117-003	Aroclor-1254	SVOA-GC06	B	06/03/24 20:13
509117-003	Aroclor-1260	SVOA-GC06	B	06/03/24 20:13
509117-003	Aroclor-1262	SVOA-GC06	B	06/03/24 20:13
509117-003	Aroclor-1268	SVOA-GC06	B	06/03/24 20:13
509117-003	TCMX (PCB)	SVOA-GC06	B	06/03/24 20:13
509117-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 20:13
509117-005	Aroclor-1016	SVOA-GC06	B	06/03/24 20:33
509117-005	Aroclor-1221	SVOA-GC06	B	06/03/24 20:33
509117-005	Aroclor-1232	SVOA-GC06	B	06/03/24 20:33
509117-005	Aroclor-1242	SVOA-GC06	B	06/03/24 20:33
509117-005	Aroclor-1248	SVOA-GC06	B	06/03/24 20:33
509117-005	Aroclor-1254	SVOA-GC06	B	06/03/24 20:33
509117-005	Aroclor-1260	SVOA-GC06	B	06/03/24 20:33
509117-005	Aroclor-1262	SVOA-GC06	B	06/03/24 20:33
509117-005	Aroclor-1268	SVOA-GC06	B	06/03/24 20:33

REPORTING SUMMARY FOR 509117 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
509117-005	TCMX (PCB)	SVOA-GC06	B	06/03/24 20:33
509117-005	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 20:33
509117-007	Aroclor-1016	SVOA-GC06	B	06/03/24 20:51
509117-007	Aroclor-1221	SVOA-GC06	B	06/03/24 20:51
509117-007	Aroclor-1232	SVOA-GC06	B	06/03/24 20:51
509117-007	Aroclor-1242	SVOA-GC06	B	06/03/24 20:51
509117-007	Aroclor-1248	SVOA-GC06	B	06/03/24 20:51
509117-007	Aroclor-1254	SVOA-GC06	B	06/03/24 20:51
509117-007	Aroclor-1260	SVOA-GC06	B	06/03/24 20:51
509117-007	Aroclor-1262	SVOA-GC06	B	06/03/24 20:51
509117-007	Aroclor-1268	SVOA-GC06	B	06/03/24 20:51
509117-007	TCMX (PCB)	SVOA-GC06	B	06/03/24 20:51
509117-007	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 20:51
509117-008	Aroclor-1016	SVOA-GC06	B	06/03/24 21:10
509117-008	Aroclor-1221	SVOA-GC06	B	06/03/24 21:10
509117-008	Aroclor-1232	SVOA-GC06	B	06/03/24 21:10
509117-008	Aroclor-1242	SVOA-GC06	B	06/03/24 21:10
509117-008	Aroclor-1248	SVOA-GC06	B	06/03/24 21:10
509117-008	Aroclor-1254	SVOA-GC06	B	06/03/24 21:10
509117-008	Aroclor-1260	SVOA-GC06	B	06/03/24 21:10
509117-008	Aroclor-1262	SVOA-GC06	B	06/03/24 21:10
509117-008	Aroclor-1268	SVOA-GC06	B	06/03/24 21:10
509117-008	TCMX (PCB)	SVOA-GC06	B	06/03/24 21:10
509117-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 21:10
509117-010	Aroclor-1016	SVOA-GC06	B	06/03/24 21:28
509117-010	Aroclor-1221	SVOA-GC06	B	06/03/24 21:28
509117-010	Aroclor-1232	SVOA-GC06	B	06/03/24 21:28
509117-010	Aroclor-1242	SVOA-GC06	B	06/03/24 21:28
509117-010	Aroclor-1248	SVOA-GC06	B	06/03/24 21:28
509117-010	Aroclor-1254	SVOA-GC06	B	06/03/24 21:28

REPORTING SUMMARY FOR 509117 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
509117-010	Aroclor-1260	SVOA-GC06	B	06/03/24 21:28
509117-010	Aroclor-1262	SVOA-GC06	B	06/03/24 21:28
509117-010	Aroclor-1268	SVOA-GC06	B	06/03/24 21:28
509117-010	TCMX (PCB)	SVOA-GC06	B	06/03/24 21:28
509117-010	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 21:28
509117-012	Aroclor-1016	SVOA-GC06	B	06/03/24 21:47
509117-012	Aroclor-1221	SVOA-GC06	B	06/03/24 21:47
509117-012	Aroclor-1232	SVOA-GC06	B	06/03/24 21:47
509117-012	Aroclor-1242	SVOA-GC06	B	06/03/24 21:47
509117-012	Aroclor-1248	SVOA-GC06	B	06/03/24 21:47
509117-012	Aroclor-1254	SVOA-GC06	B	06/03/24 21:47
509117-012	Aroclor-1260	SVOA-GC06	B	06/03/24 21:47
509117-012	Aroclor-1262	SVOA-GC06	B	06/03/24 21:47
509117-012	Aroclor-1268	SVOA-GC06	B	06/03/24 21:47
509117-012	TCMX (PCB)	SVOA-GC06	B	06/03/24 21:47
509117-012	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 21:47
509117-015	Aroclor-1016	SVOA-GC06	B	06/03/24 22:06
509117-015	Aroclor-1221	SVOA-GC06	B	06/03/24 22:06
509117-015	Aroclor-1232	SVOA-GC06	B	06/03/24 22:06
509117-015	Aroclor-1242	SVOA-GC06	B	06/03/24 22:06
509117-015	Aroclor-1248	SVOA-GC06	B	06/03/24 22:06
509117-015	Aroclor-1254	SVOA-GC06	B	06/03/24 22:06
509117-015	Aroclor-1260	SVOA-GC06	B	06/03/24 22:06
509117-015	Aroclor-1262	SVOA-GC06	B	06/03/24 22:06
509117-015	Aroclor-1268	SVOA-GC06	B	06/03/24 22:06
509117-015	TCMX (PCB)	SVOA-GC06	B	06/03/24 22:06
509117-015	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 22:06
509117-018	Aroclor-1016	SVOA-GC06	B	06/03/24 22:24
509117-018	Aroclor-1221	SVOA-GC06	B	06/03/24 22:24
509117-018	Aroclor-1232	SVOA-GC06	B	06/03/24 22:24

REPORTING SUMMARY FOR 509117 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
509117-018	Aroclor-1242	SVOA-GC06	B	06/03/24 22:24
509117-018	Aroclor-1248	SVOA-GC06	B	06/03/24 22:24
509117-018	Aroclor-1254	SVOA-GC06	B	06/03/24 22:24
509117-018	Aroclor-1260	SVOA-GC06	B	06/03/24 22:24
509117-018	Aroclor-1262	SVOA-GC06	B	06/03/24 22:24
509117-018	Aroclor-1268	SVOA-GC06	B	06/03/24 22:24
509117-018	TCMX (PCB)	SVOA-GC06	B	06/03/24 22:24
509117-018	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 22:24
509117-020	Aroclor-1016	SVOA-GC06	B	06/03/24 22:43
509117-020	Aroclor-1221	SVOA-GC06	B	06/03/24 22:43
509117-020	Aroclor-1232	SVOA-GC06	B	06/03/24 22:43
509117-020	Aroclor-1242	SVOA-GC06	B	06/03/24 22:43
509117-020	Aroclor-1248	SVOA-GC06	B	06/03/24 22:43
509117-020	Aroclor-1254	SVOA-GC06	B	06/03/24 22:43
509117-020	Aroclor-1260	SVOA-GC06	B	06/03/24 22:43
509117-020	Aroclor-1262	SVOA-GC06	B	06/03/24 22:43
509117-020	Aroclor-1268	SVOA-GC06	B	06/03/24 22:43
509117-020	TCMX (PCB)	SVOA-GC06	B	06/03/24 22:43
509117-020	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 22:43
509117-022	Aroclor-1016	SVOA-GC06	B	06/03/24 23:01
509117-022	Aroclor-1221	SVOA-GC06	B	06/03/24 23:01
509117-022	Aroclor-1232	SVOA-GC06	B	06/03/24 23:01
509117-022	Aroclor-1242	SVOA-GC06	B	06/03/24 23:01
509117-022	Aroclor-1248	SVOA-GC06	B	06/03/24 23:01
509117-022	Aroclor-1254	SVOA-GC06	B	06/03/24 23:01
509117-022	Aroclor-1260	SVOA-GC06	B	06/03/24 23:01
509117-022	Aroclor-1262	SVOA-GC06	B	06/03/24 23:01
509117-022	Aroclor-1268	SVOA-GC06	B	06/03/24 23:01
509117-022	TCMX (PCB)	SVOA-GC06	B	06/03/24 23:01
509117-022	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 23:01

REPORTING SUMMARY FOR 509117 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
509117-024	Aroclor-1016	SVOA-GC06	B	06/03/24 23:20
509117-024	Aroclor-1221	SVOA-GC06	B	06/03/24 23:20
509117-024	Aroclor-1232	SVOA-GC06	B	06/03/24 23:20
509117-024	Aroclor-1242	SVOA-GC06	B	06/03/24 23:20
509117-024	Aroclor-1248	SVOA-GC06	B	06/03/24 23:20
509117-024	Aroclor-1254	SVOA-GC06	B	06/03/24 23:20
509117-024	Aroclor-1260	SVOA-GC06	B	06/03/24 23:20
509117-024	Aroclor-1262	SVOA-GC06	B	06/03/24 23:20
509117-024	Aroclor-1268	SVOA-GC06	B	06/03/24 23:20
509117-024	TCMX (PCB)	SVOA-GC06	B	06/03/24 23:20
509117-024	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 23:20
QC1157615	Aroclor-1016	SVOA-GC06	B	06/03/24 18:59
QC1157615	Aroclor-1221	SVOA-GC06	B	06/03/24 18:59
QC1157615	Aroclor-1232	SVOA-GC06	B	06/03/24 18:59
QC1157615	Aroclor-1242	SVOA-GC06	B	06/03/24 18:59
QC1157615	Aroclor-1248	SVOA-GC06	B	06/03/24 18:59
QC1157615	Aroclor-1254	SVOA-GC06	B	06/03/24 18:59
QC1157615	Aroclor-1260	SVOA-GC06	B	06/03/24 18:59
QC1157615	Aroclor-1262	SVOA-GC06	B	06/03/24 18:59
QC1157615	Aroclor-1268	SVOA-GC06	B	06/03/24 18:59
QC1157615	TCMX (PCB)	SVOA-GC06	B	06/03/24 18:59
QC1157615	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 18:59
QC1157616	Aroclor-1016	SVOA-GC06	B	06/03/24 19:17
QC1157616	Aroclor-1260	SVOA-GC06	B	06/03/24 19:17
QC1157616	TCMX (PCB)	SVOA-GC06	B	06/03/24 19:17
QC1157616	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 19:17
QC1157617	Aroclor-1016	SVOA-GC06	B	06/03/24 19:36
QC1157617	Aroclor-1260	SVOA-GC06	B	06/03/24 19:36
QC1157617	TCMX (PCB)	SVOA-GC06	B	06/03/24 19:36
QC1157617	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/03/24 19:36

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-001	Client ID: DOOR-S-15.1GE-EXT-12 TO 13-240530-P-CB
Seqnum: 454224018022	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324022	Batch: 341640	Time: 03-JUN-2024 19:54
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	78.52	0.79 ^{FP}	1.2	44%	0.50		X U
Aroclor-1016 Peak # 1	B	91.59	0.92	1.41	42%			
Aroclor-1016 Peak # 2	B	11.05	0.11	0.22	67%			
Aroclor-1016 Peak # 3	B	221.8	2.22	3.05	32%			
Aroclor-1016 Peak # 4	B	57.98	0.58	0.47	21%			
Aroclor-1016 Peak # 5	B	10.21	0.10	0.98	162%			
Aroclor-1221	B		ND			0.50		U
Aroclor-1232	B		ND			0.50		U
Aroclor-1242	B		ND			0.50		U
Aroclor-1248	B		ND			0.50		U
Aroclor-1254	B		ND			0.50		U
Aroclor-1260	B	31.84	ND	1.0	103%	0.50		U
Aroclor-1260 Peak # 1	B	0.5381	0.01	2.27	199%			
Aroclor-1260 Peak # 2	B	76.20	0.76	0.02	188%			
Aroclor-1260 Peak # 3	B	18.42	0.18	0.32	54%			
Aroclor-1260 Peak # 4	B	1.638	0.02	1.77	196%			
Aroclor-1260 Peak # 5	B	62.42	0.62	0.60	4%			
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	45.08	0.5000	0.4508	90	19-121	U
Decachlorobiphenyl (PCB)	B	39.17	0.5000	0.3917	78	19-121	U

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	55651688	9.71
1-bromo-2-nitrobenzene (PCB)	A	9322089	9691617	3.96

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

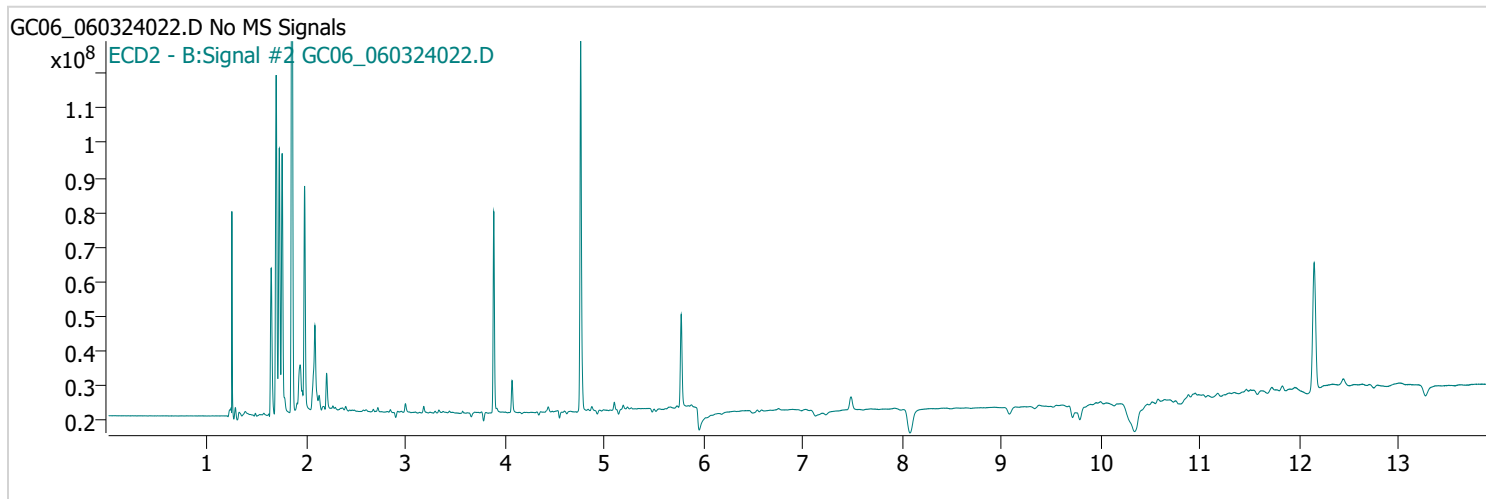
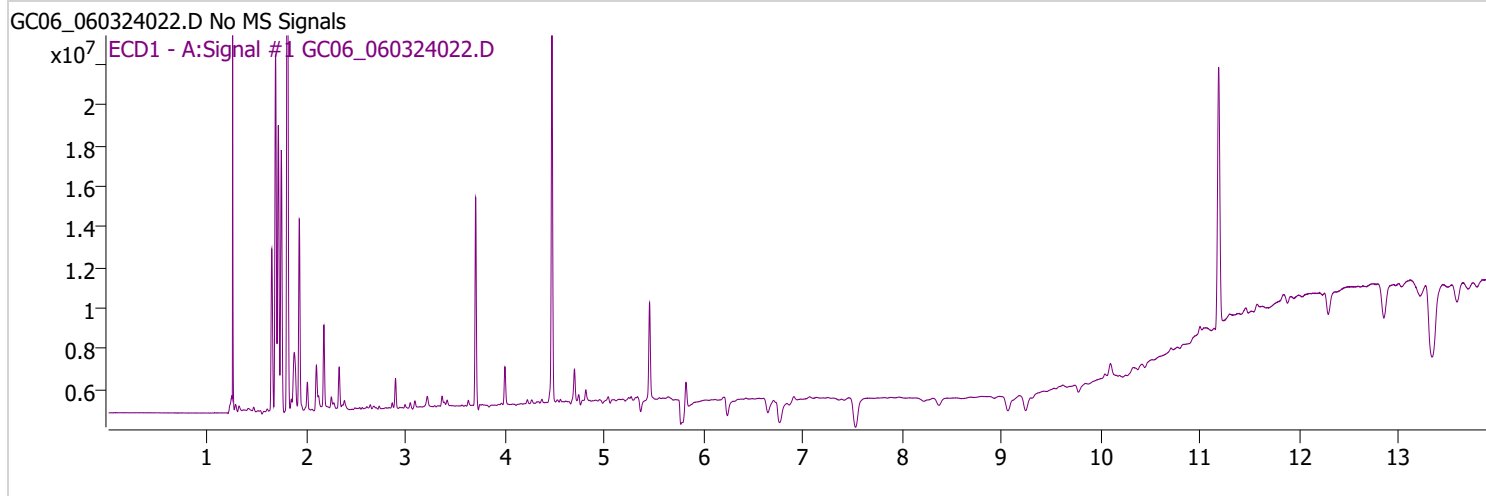
06/04/24 : WIPE/1S-10ML

u=use x=false positive

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324022.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 7:54:36 PM
Sample Name	509117-001, 341640, 1	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	9691617.24 6	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	55651688.1 14	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.468	0.0	17895751.1 64	39.9513	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.76%	*	
S TCMX (PCB) #2	4.757	0.0	110570242. 567	45.0798	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 225.40%	*	
S Decachlorobiphenyl (PCB)	11.184	0.0	20653529.6 41	39.5113	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.56%	*	
S Decachlorobiphenyl (PCB) #2	12.146	0.0	78717459.2 39	39.1661	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.83%	*	

Target Compounds

QValue

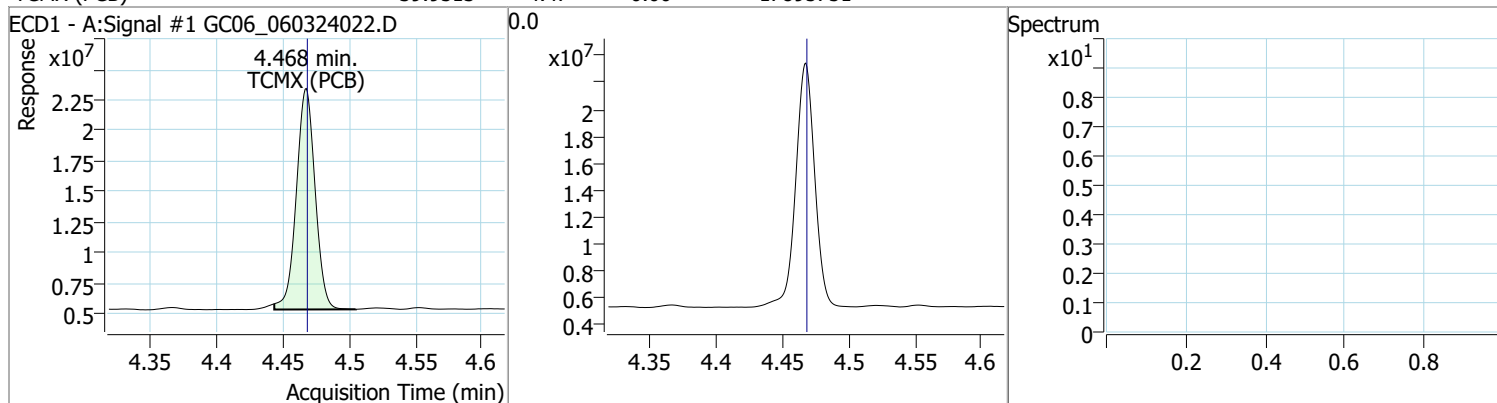
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.808	0.0	1339854.53 5	140.8566	ng/ml	100
T AR1016 2	5.093	0.0	410471.439	22.0952	ng/ml	100
T AR1016 1 #2	5.185	0.0	5130291.71 3	91.5907	ng/ml	100
T AR1016 3	5.451	0.0	7269185.36 4	287.5150	ng/ml	100
T AR1016 2 #2	5.548	0.0	1298942.70 8	11.0538	ng/ml	100
T AR1016 4	5.644	0.0	718059.893	47.1306	ng/ml	100
T AR1016 5	6.109	0.0	1413972.86 0	97.5994	ng/ml	100
T AR1016 3 #2	5.872	0.0	33779159.1 00	221.7670	ng/ml	100
T AR1016 4 #2	6.142	0.0	6496029.89 1	57.9849	ng/ml	100
T AR1016 5 #2	6.578	0.0	968148.820	10.2082	ng/ml	100
T AR1260 1	7.454	0.0	6905952.47 2	226.9813	ng/ml	100
T AR1260 2	7.884	0.0	116476.877	2.4265	ng/ml	100
T AR1260 3	8.537	0.0	1751407.08 6	31.9037	ng/ml	100
T AR1260 1 #2	8.819	0.0	99357.608	0.5381	ng/ml	100
T AR1260 4	9.173	0.0	5106206.54 6	177.3419	ng/ml	100
T AR1260 2 #2	9.284	0.0	15987511.5 34	76.1977	ng/ml	100
T AR1260 3 #2	9.738	0.0	4720032.47 7	18.4222	ng/ml	100
T AR1260 5	10.093	0.0	1940850.60 8	60.0384	ng/ml	100
T AR1260 4 #2	10.079	0.0	213032.331	1.6376	ng/ml	100
T AR1260 5 #2	10.949	0.0	11044601.1 17	62.4181	ng/ml	100

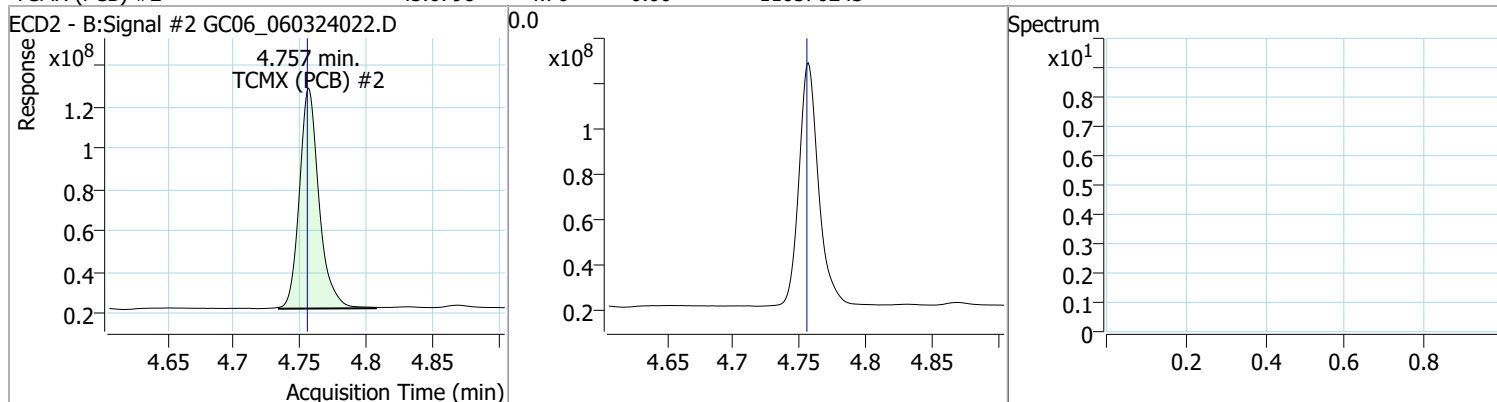
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

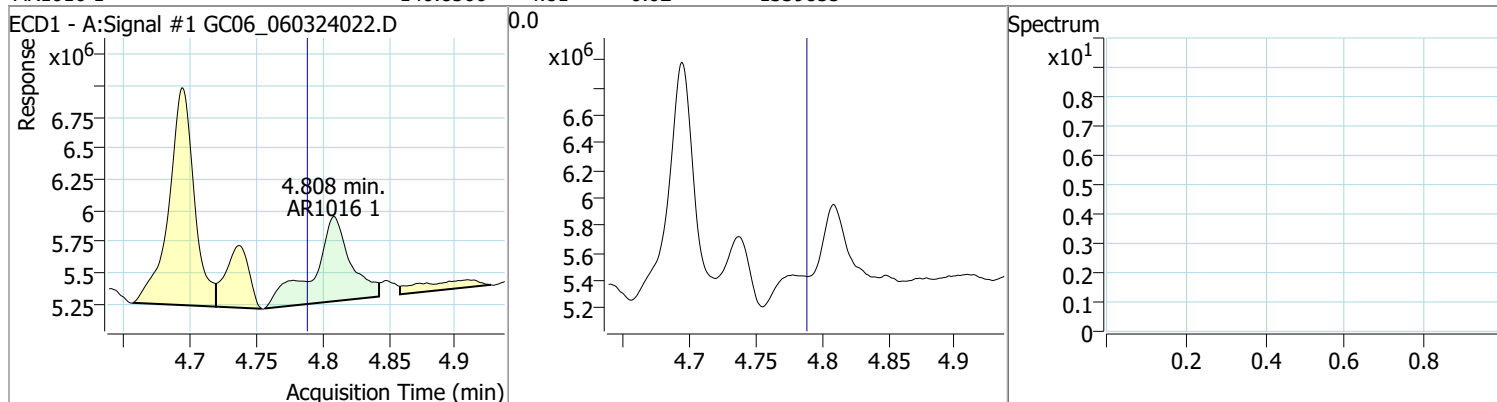
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.9513	4.47	0.00	17895751				



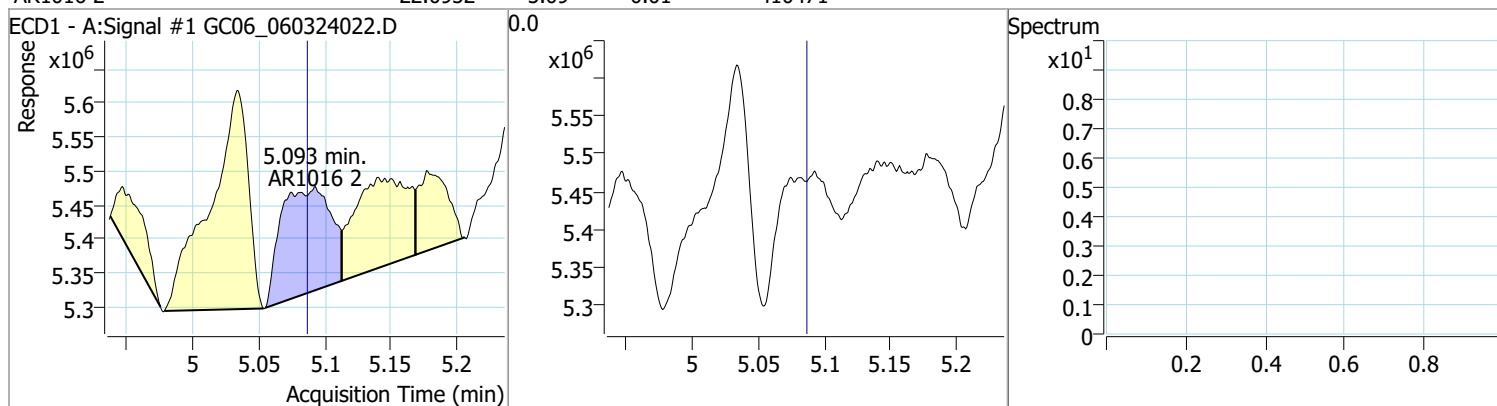
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.0798	4.76	0.00	110570243				



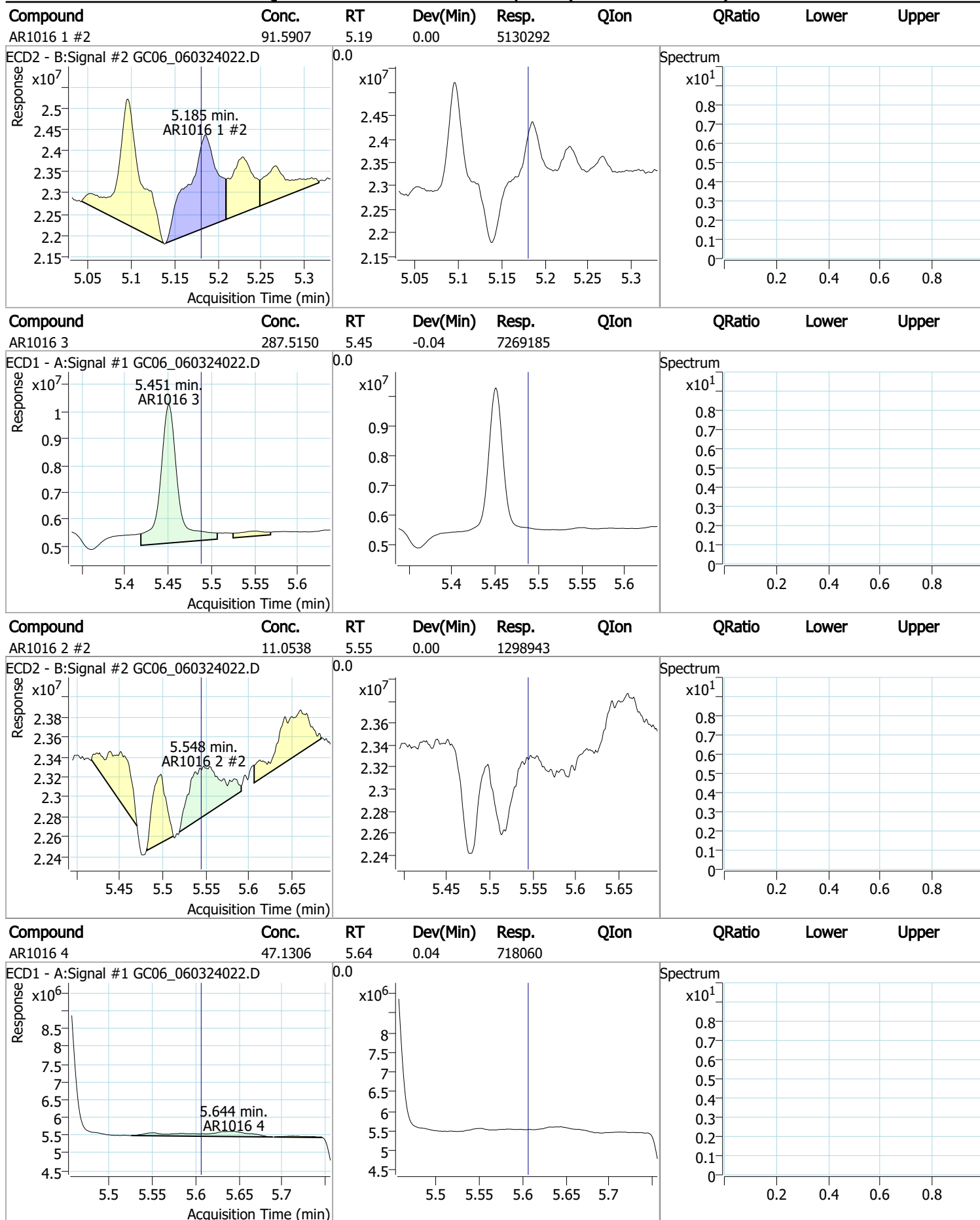
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	140.8566	4.81	0.02	1339855				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.0952	5.09	0.01	410471				

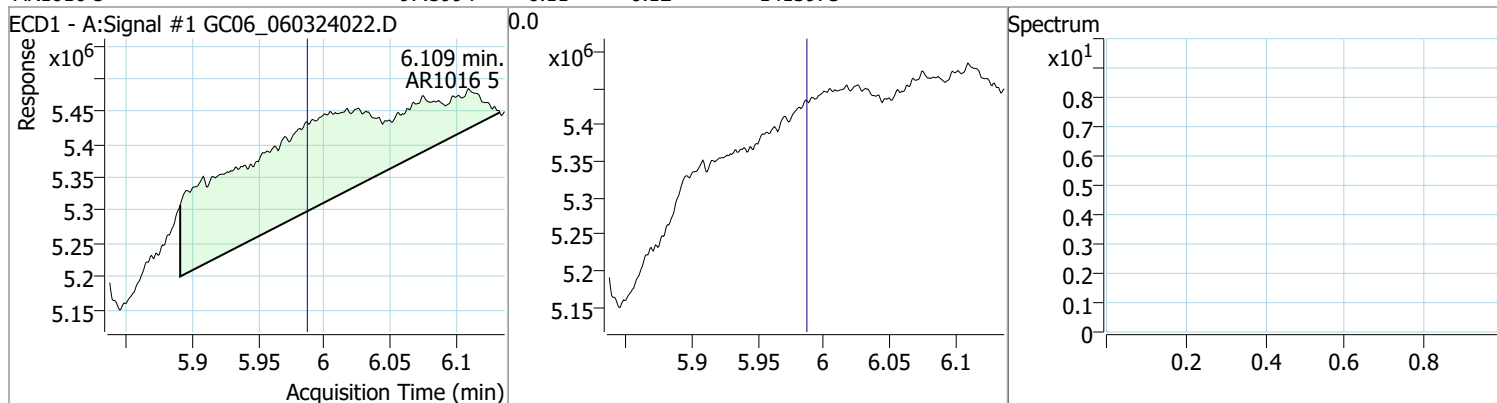


Quantitation Results Report (Not Reviewed)

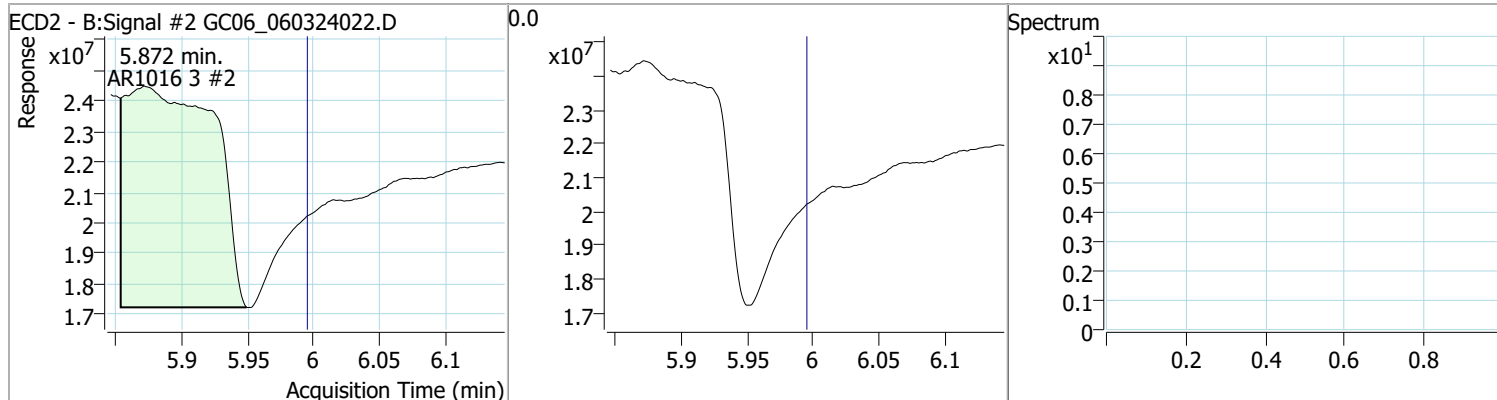


Quantitation Results Report (Not Reviewed)

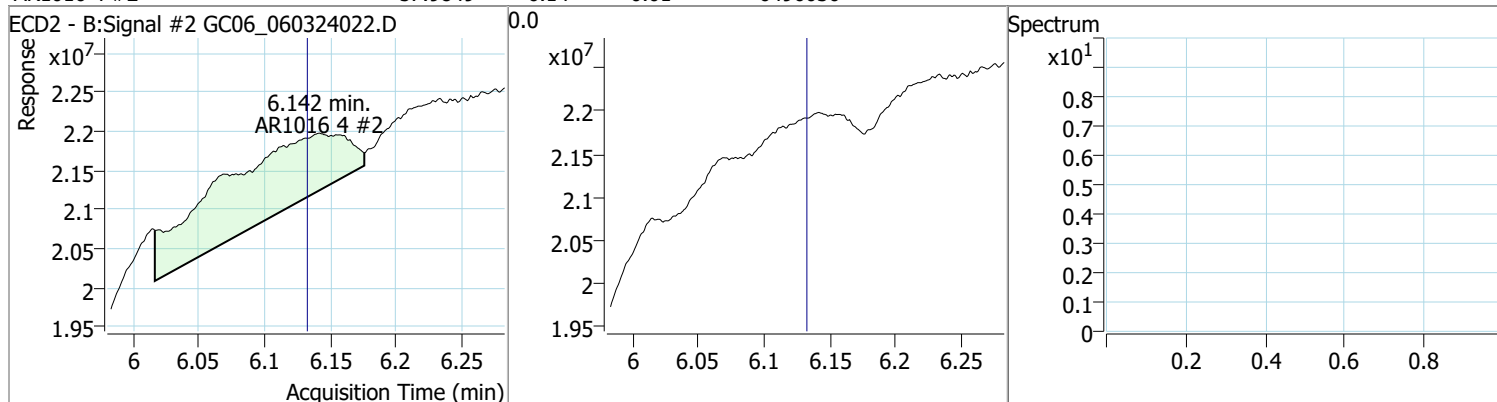
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	97.5994	6.11	0.12	1413973				



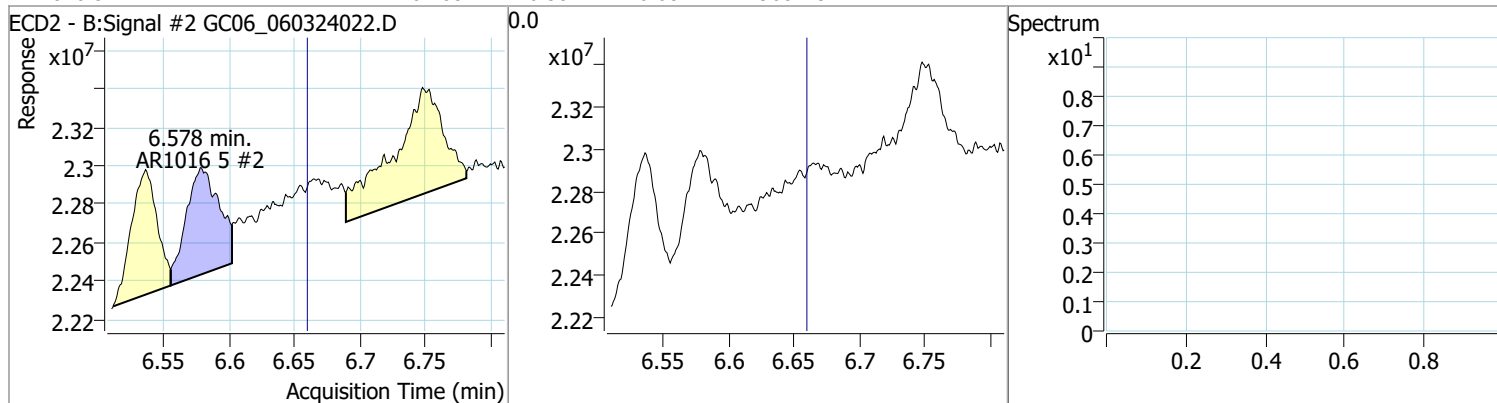
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	221.7670	5.87	-0.12	33779159				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	57.9849	6.14	0.01	6496030				

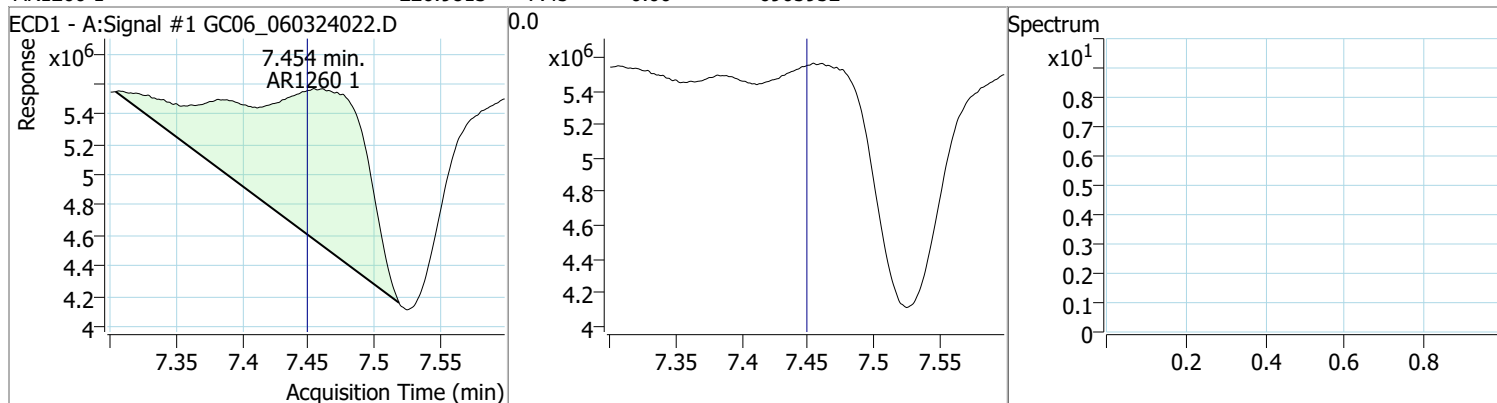


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	10.2082	6.58	-0.08	968149				

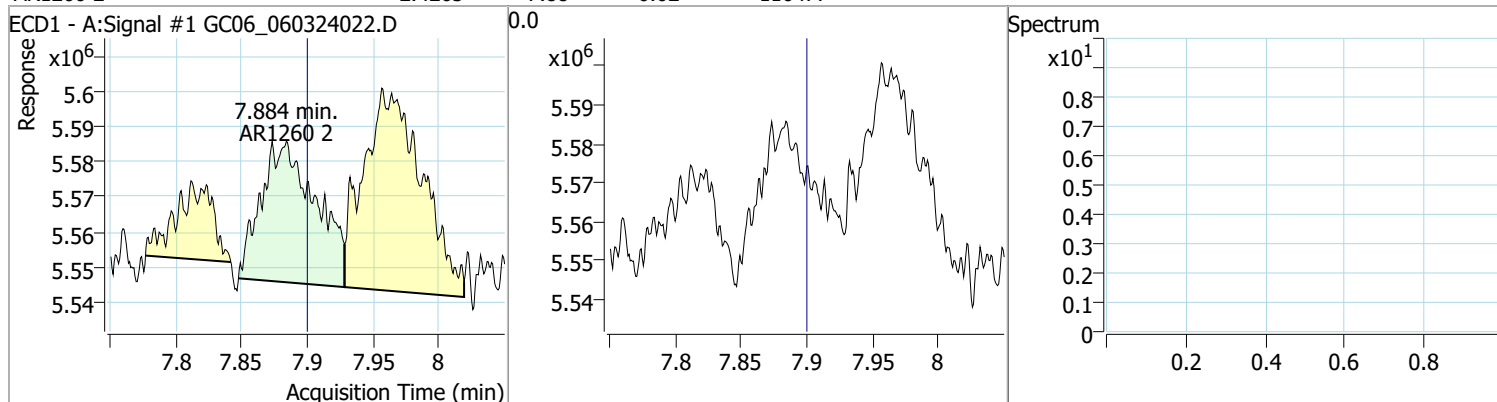


Quantitation Results Report (Not Reviewed)

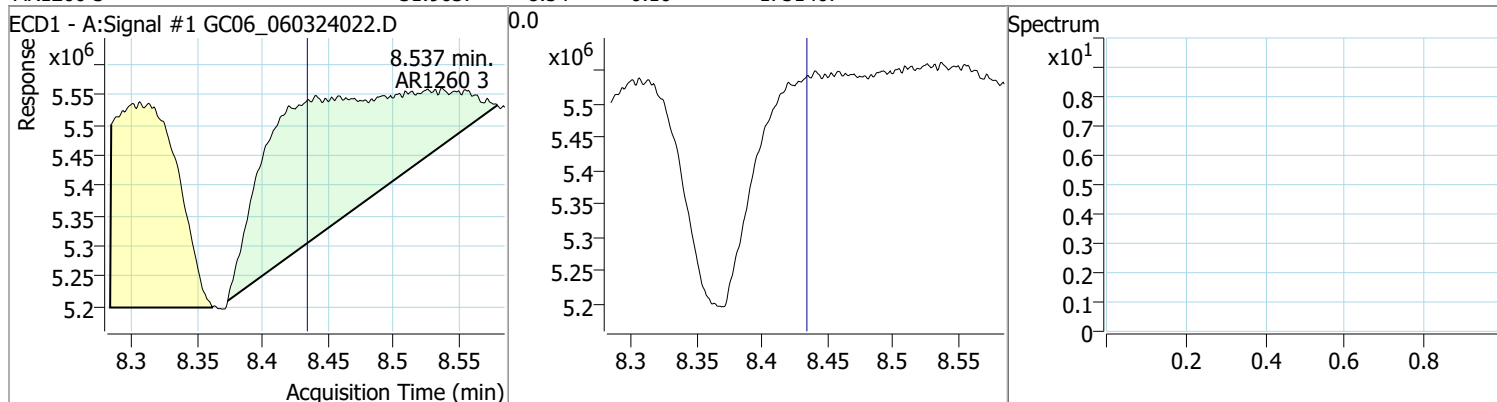
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	226.9813	7.45	0.00	6905952				



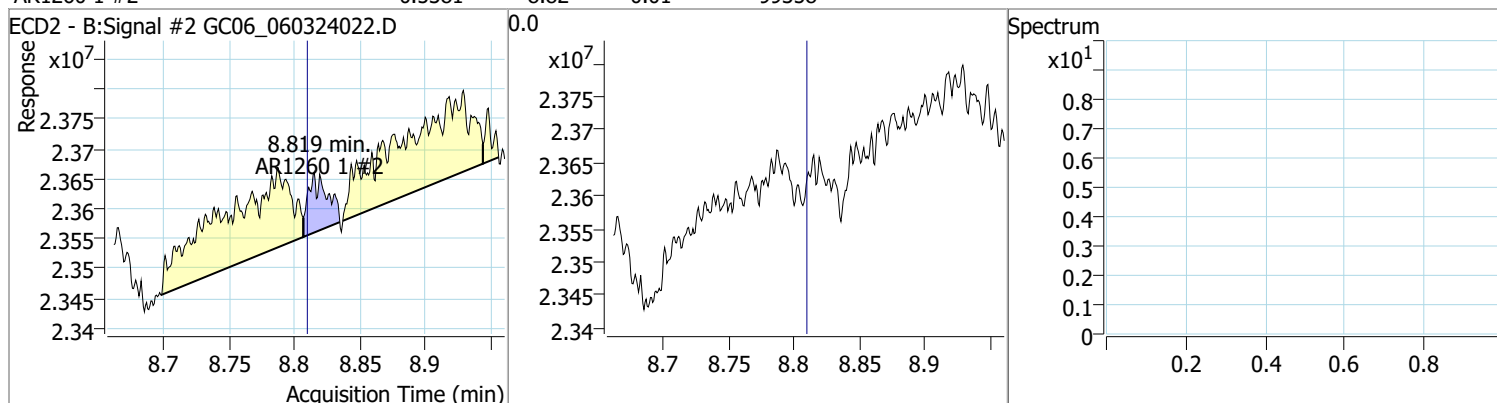
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.4265	7.88	-0.02	116477				



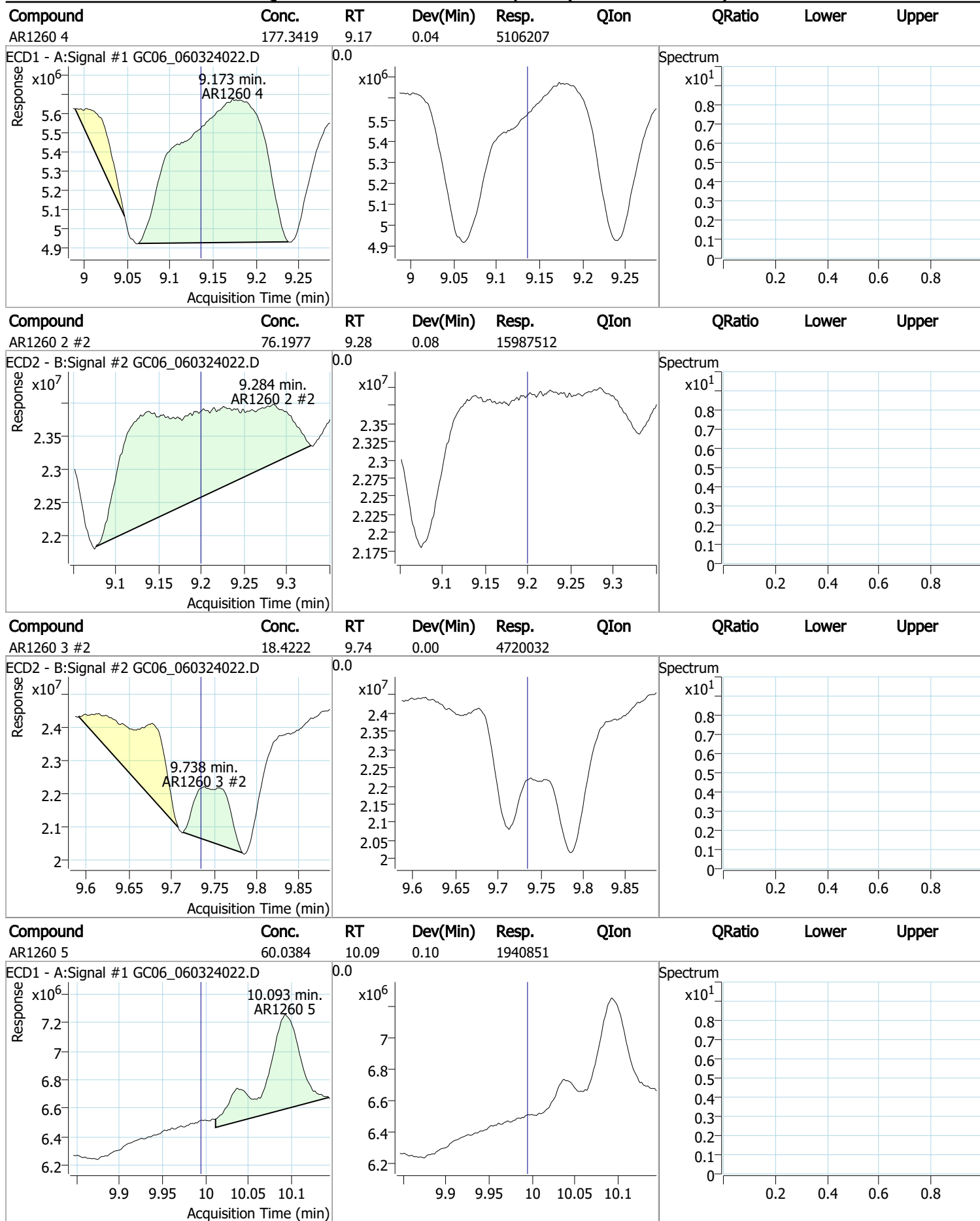
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	31.9037	8.54	0.10	1751407				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.5381	8.82	0.01	99358				

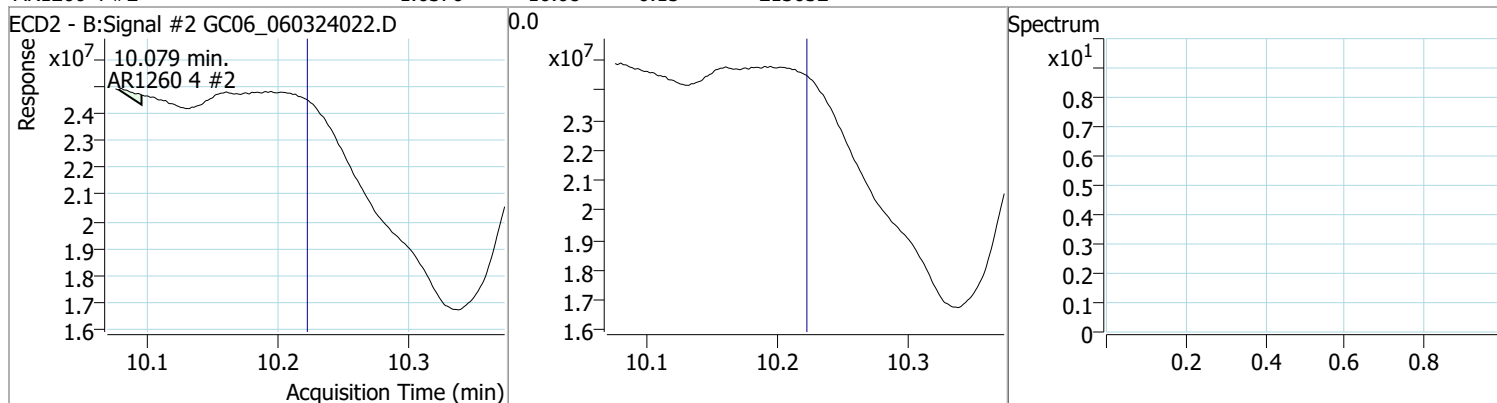


Quantitation Results Report (Not Reviewed)

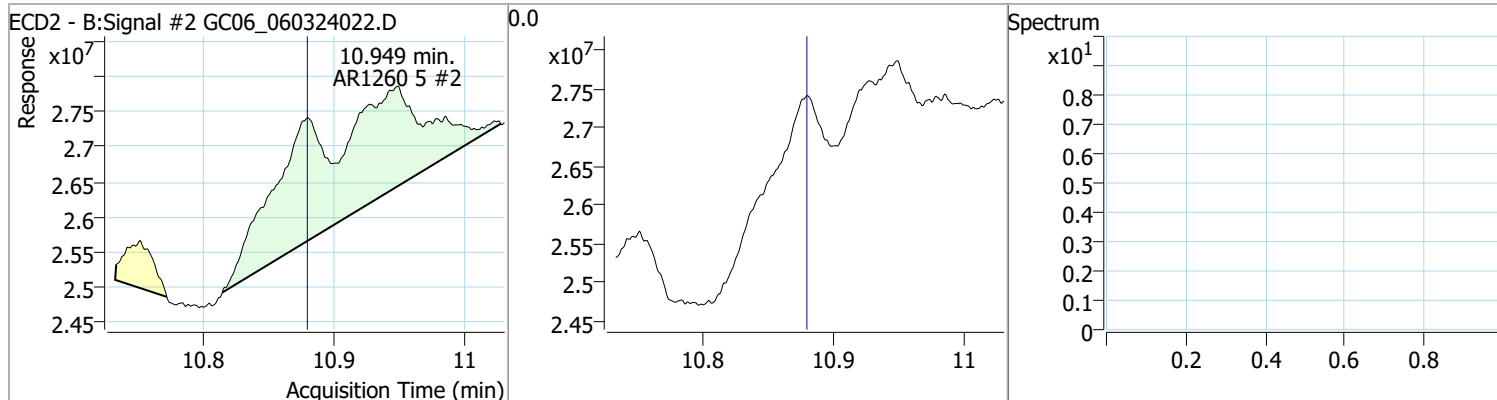


Quantitation Results Report (Not Reviewed)

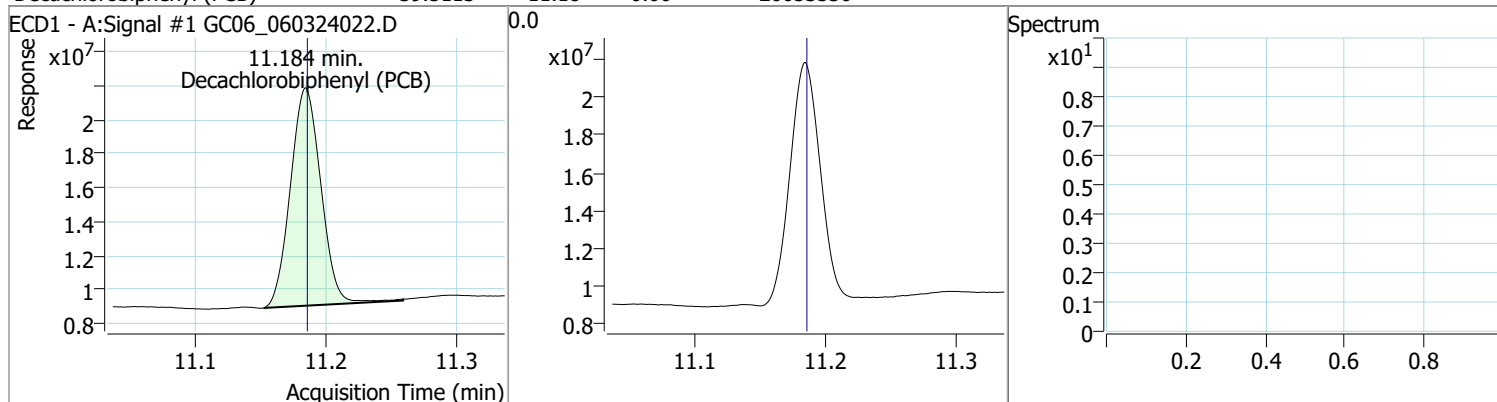
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.6376	10.08	-0.15	213032				



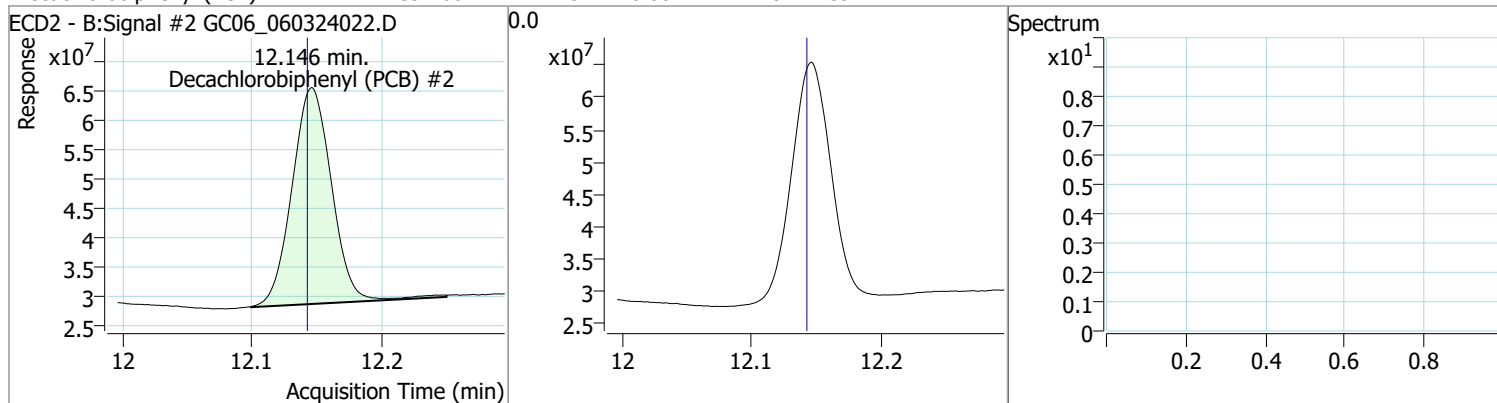
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	62.4181	10.95	0.07	11044601				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.5113	11.18	0.00	20653530				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.1661	12.15	0.00	78717459				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-003	Client ID: DOOR-S-15.7GW-DG-13 TO 27-240530-P-LA
Seqnum: 454224018023	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324023	Batch: 341640	Time: 03-JUN-2024 20:13
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	47.11	ND	1.0	73%	0.50		u
Aroclor-1016 Peak # 1	B	58.94	0.59	0.96	48%			
Aroclor-1016 Peak # 2	B	11.56	0.12	0.27	81%			
Aroclor-1016 Peak # 3	B	90.14	0.90	2.58	96%			
Aroclor-1016 Peak # 4	B	63.74	0.64	0.17	115%			
Aroclor-1016 Peak # 5	B	11.16	0.11	1.05	162%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	30.41	ND	0.55	58%	0.50		u
Aroclor-1260 Peak # 1	B	0.7681	0.01	0.17	183%			
Aroclor-1260 Peak # 2	B	77.31	0.77	0.02	189%			
Aroclor-1260 Peak # 3	B	19.12	0.19	0.35	59%			
Aroclor-1260 Peak # 4	B	3.343	0.03	1.85	193%			
Aroclor-1260 Peak # 5	B	51.53	0.52	0.36	35%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	42.68	0.5000	0.4268	85	19-121	u
Decachlorobiphenyl (PCB)	B	41.65	0.5000	0.4165	83	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	52802219	4.09
1-bromo-2-nitrobenzene (PCB)	A	9322089	9010264	-3.35

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

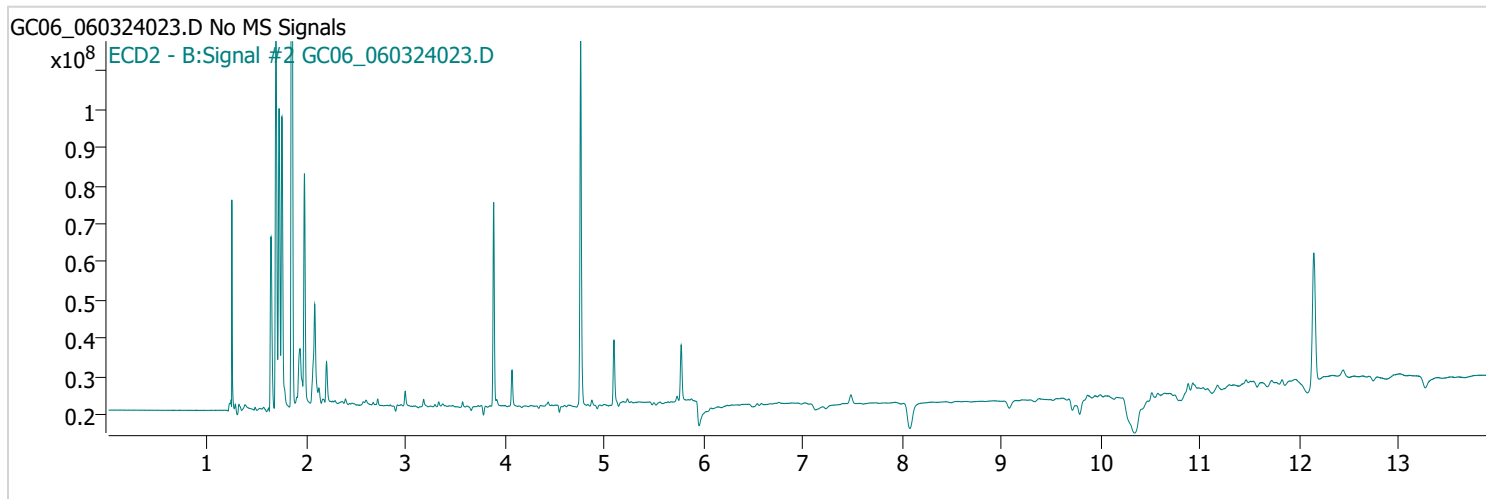
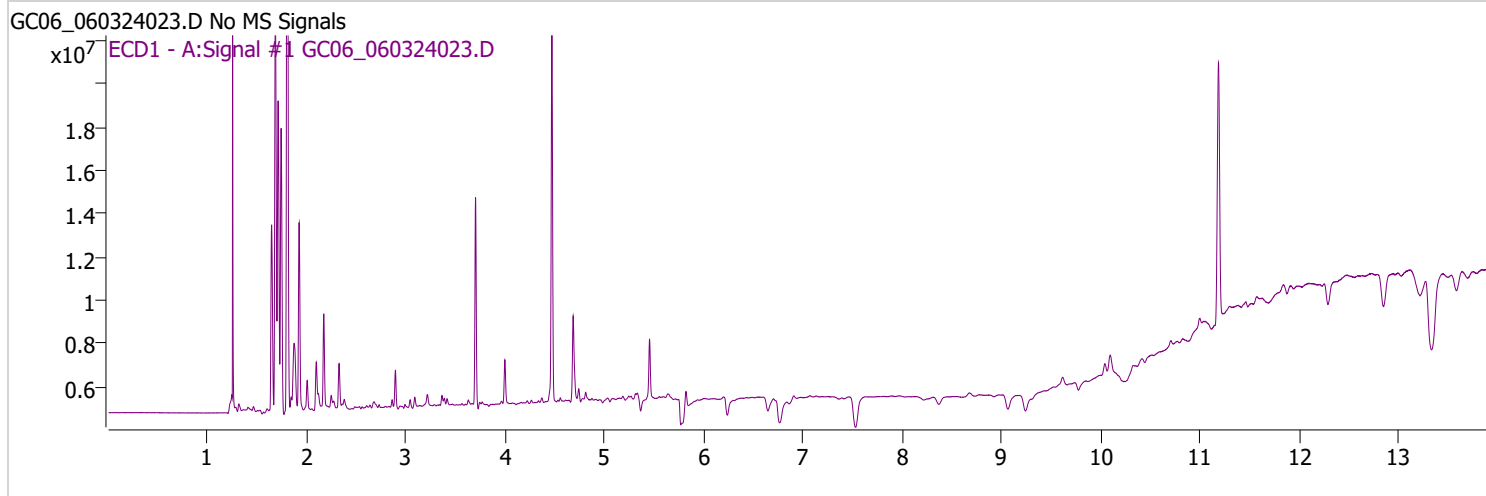
06/04/24 : WIPE/1S-10ML

u=use

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324023.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 8:13:07 PM
Sample Name	509117-003, 341640, 1	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	9010263.84 4	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	52802218.5 02	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.468	0.0	16955612.3 60	40.7148	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.57%	*	
S TCMX (PCB) #2	4.758	0.0	99328169.3 51	42.6817	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.41%	*	
S Decachlorobiphenyl (PCB)	11.184	0.0	19589956.0 60	40.3106	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.55%	*	
S Decachlorobiphenyl (PCB) #2	12.145	0.0	79423875.1 65	41.6501	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.25%	*	

Target Compounds

GC06_060324023.D

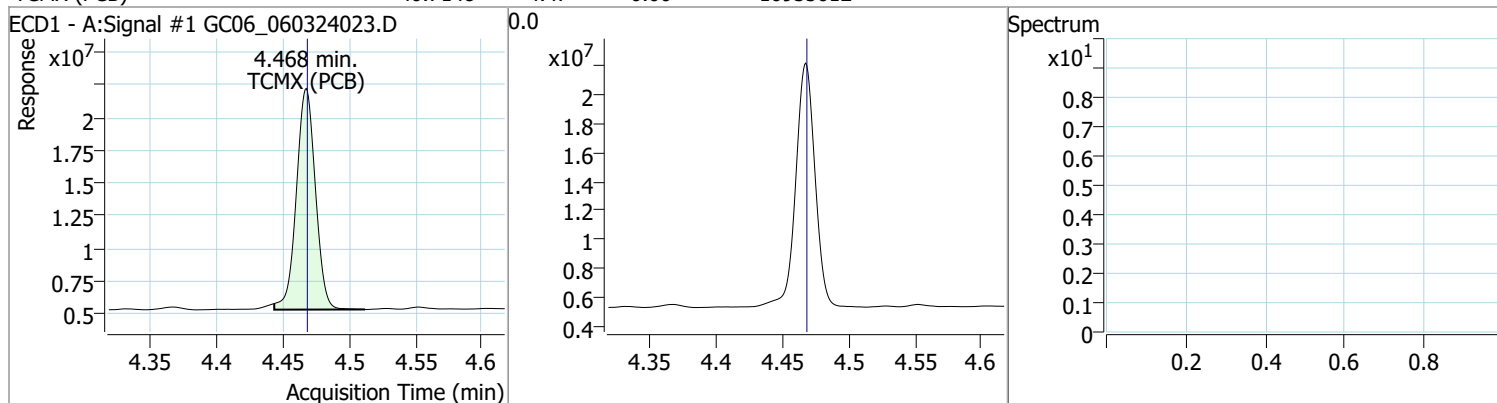
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.808	0.0	852936.555	96.4484	ng/ml	100
T AR1016 2	5.026	0.0	472060.122	27.3319	ng/ml	100
T AR1016 1 #2	5.182	0.0	3132136.06 6	58.9354	ng/ml	100
T AR1016 3	5.452	0.0	5710547.98 9	242.9468	ng/ml	100
T AR1016 2 #2	5.558	0.0	1288410.42 4	11.5558	ng/ml	100
T AR1016 4	5.593	0.0	244304.806	17.2478	ng/ml	100
T AR1016 5	6.001	0.0	1419516.58 9	105.3914	ng/ml	100
T AR1016 3 #2	5.874	0.0	13027430.2 91	90.1432	ng/ml	100
T AR1016 4 #2	6.137	0.0	6775651.03 6	63.7447	ng/ml	100
T AR1016 5 #2	6.578	0.0	1004074.73 3	11.1583	ng/ml	100
T AR1260 1	7.308	0.0	491444.988	17.3740	ng/ml	100
T AR1260 2	7.889	0.0	99580.564	2.2313	ng/ml	100
T AR1260 3	8.508	0.0	1783797.07 2	34.9509	ng/ml	100
T AR1260 1 #2	8.799	0.0	134562.895	0.7681	ng/ml	100
T AR1260 4	9.178	0.0	4945958.29 4	184.7660	ng/ml	100
T AR1260 2 #2	9.208	0.0	15390466.2 31	77.3106	ng/ml	100
T AR1260 3 #2	9.736	0.0	4646878.92 9	19.1154	ng/ml	100
T AR1260 5	10.038	0.0	1092527.11 9	36.3520	ng/ml	100
T AR1260 4 #2	10.078	0.0	412639.889	3.3432	ng/ml	100
T AR1260 5 #2	10.879	0.0	8651957.17 4	51.5349	ng/ml	100

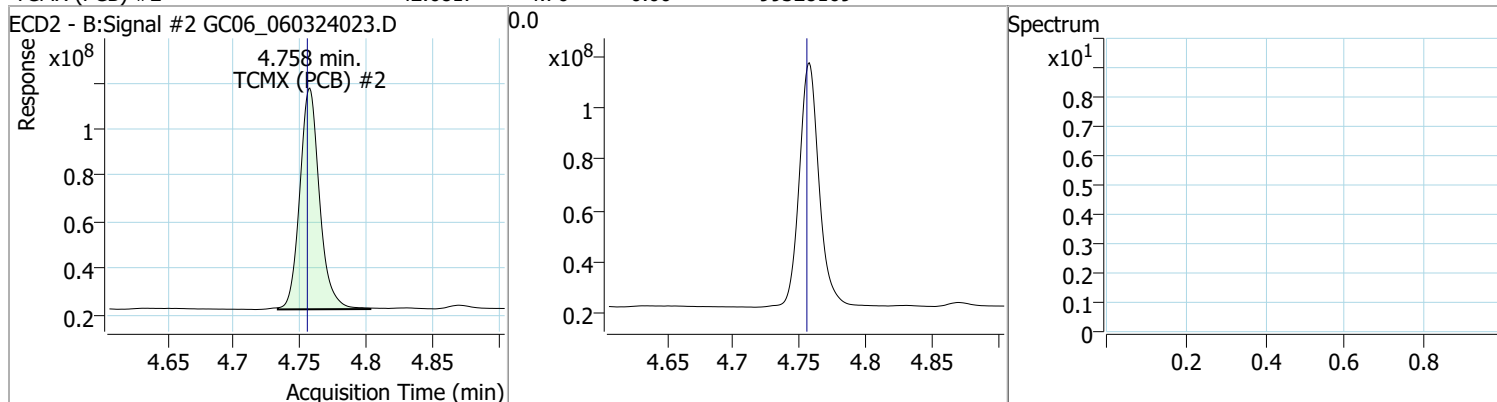
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

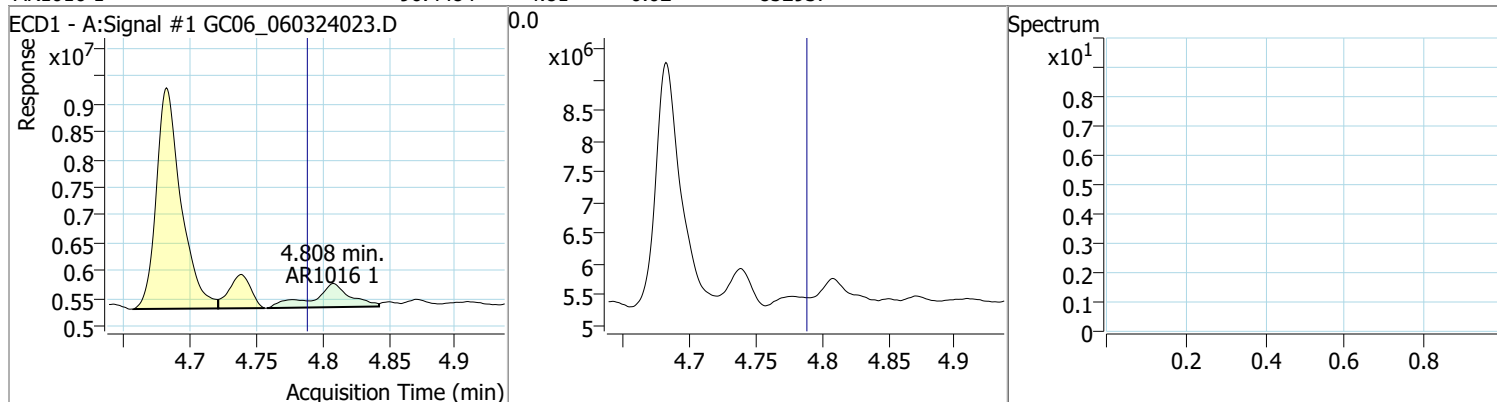
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.7148	4.47	0.00	16955612				



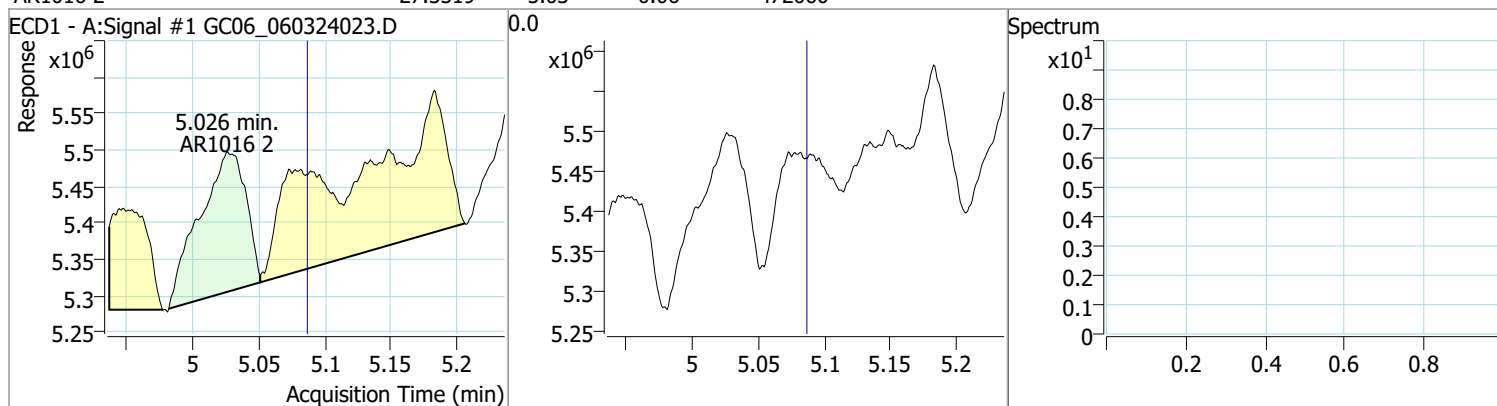
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.6817	4.76	0.00	99328169				



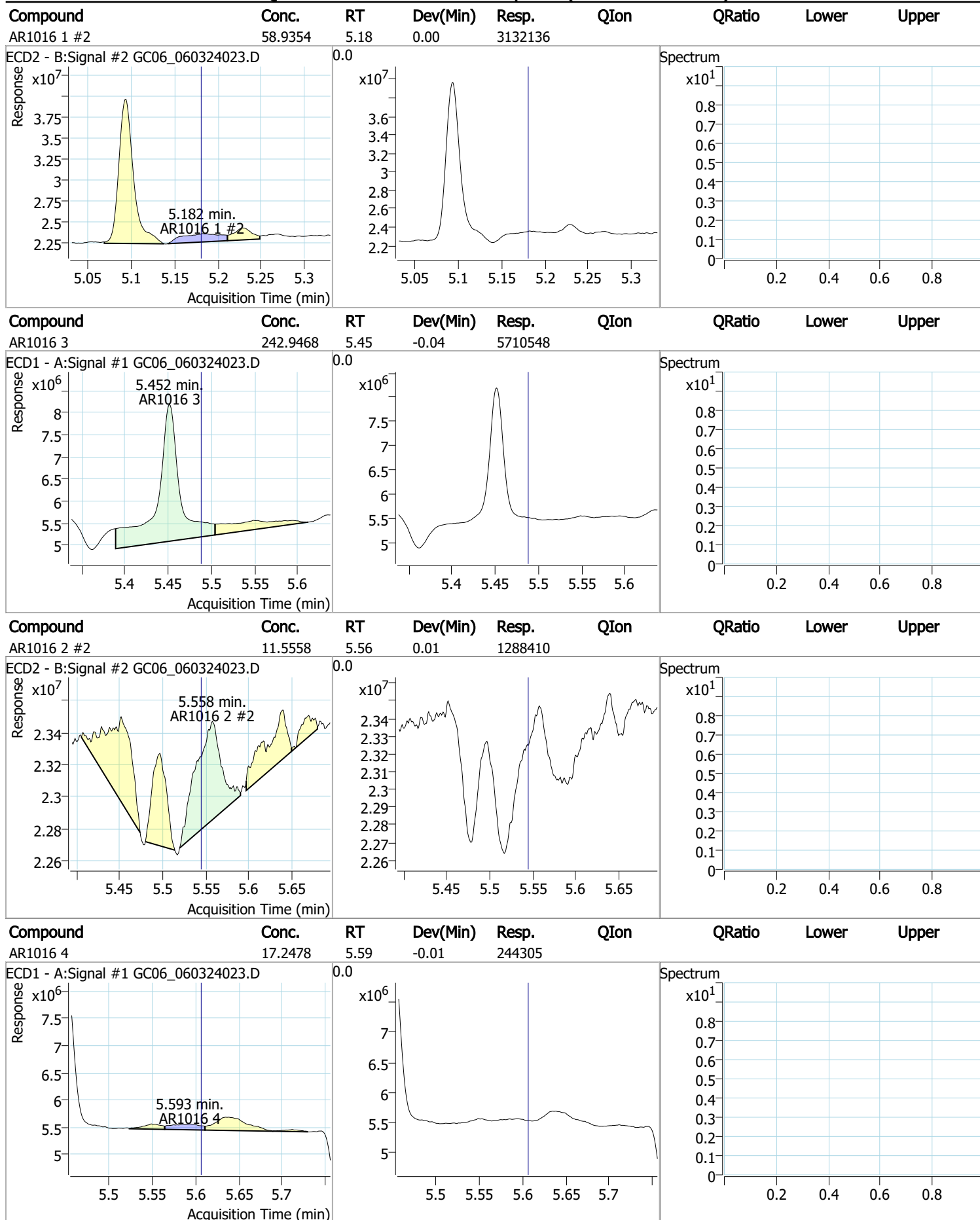
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	96.4484	4.81	0.02	852937				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	27.3319	5.03	-0.06	472060				

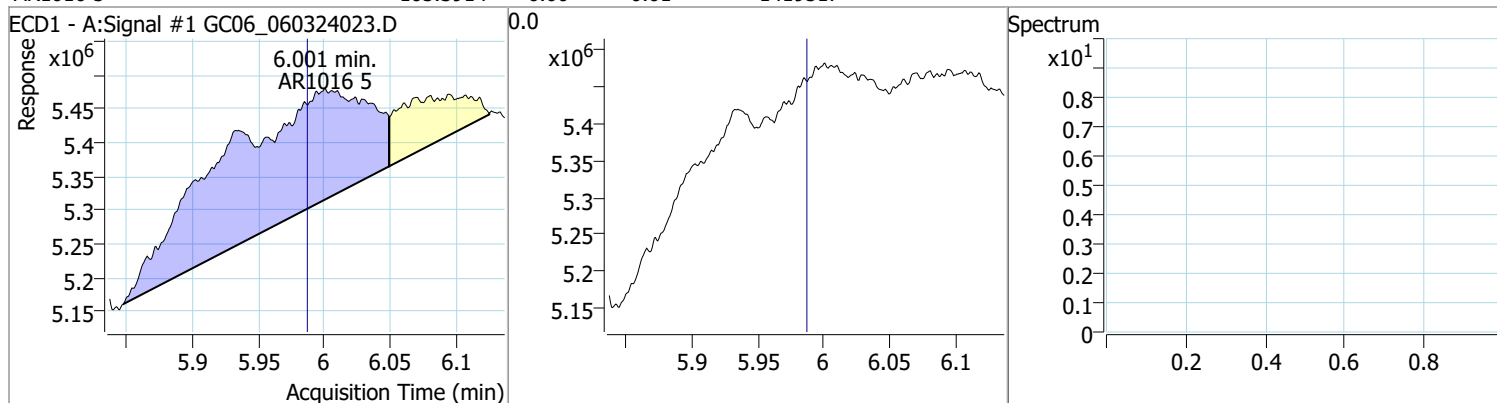


Quantitation Results Report (Not Reviewed)

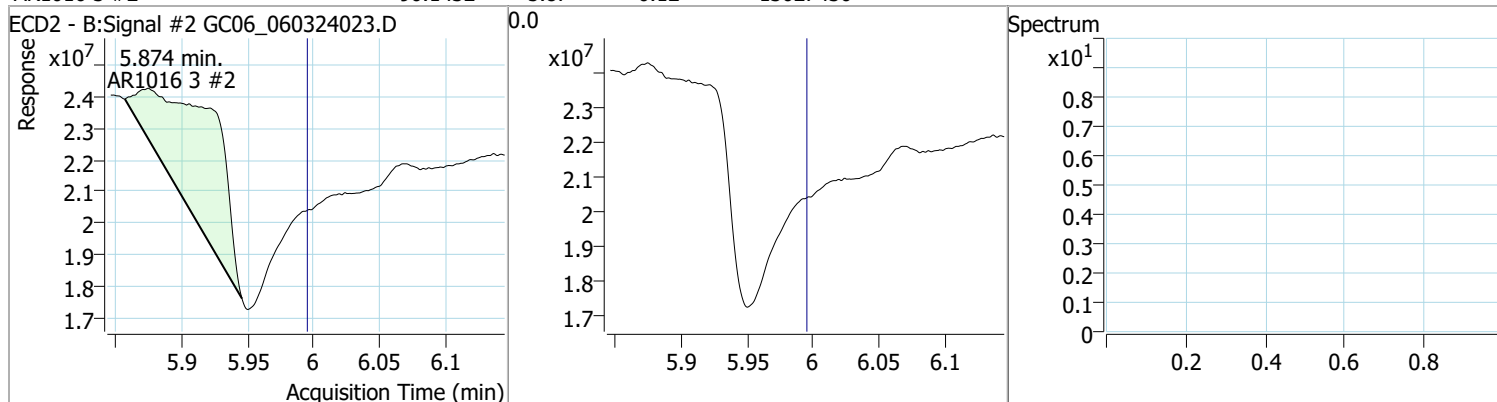


Quantitation Results Report (Not Reviewed)

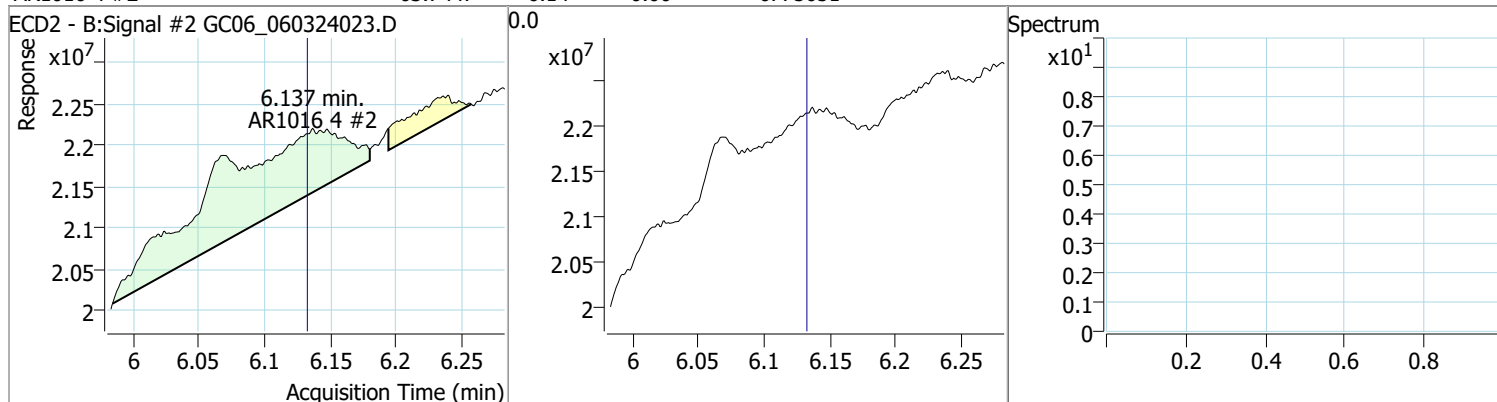
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	105.3914	6.00	0.01	1419517				



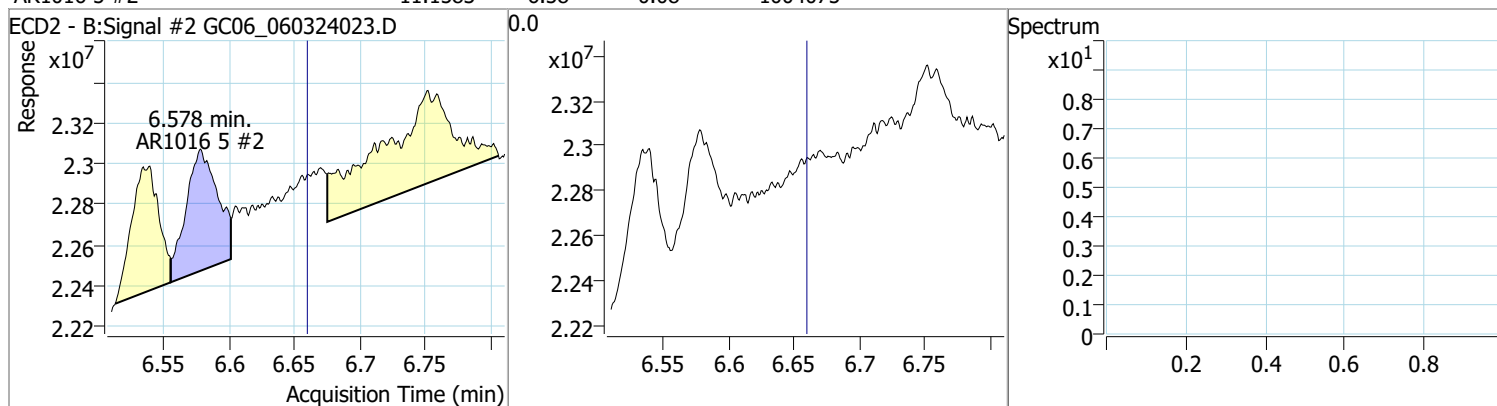
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	90.1432	5.87	-0.12	13027430				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	63.7447	6.14	0.00	6775651				



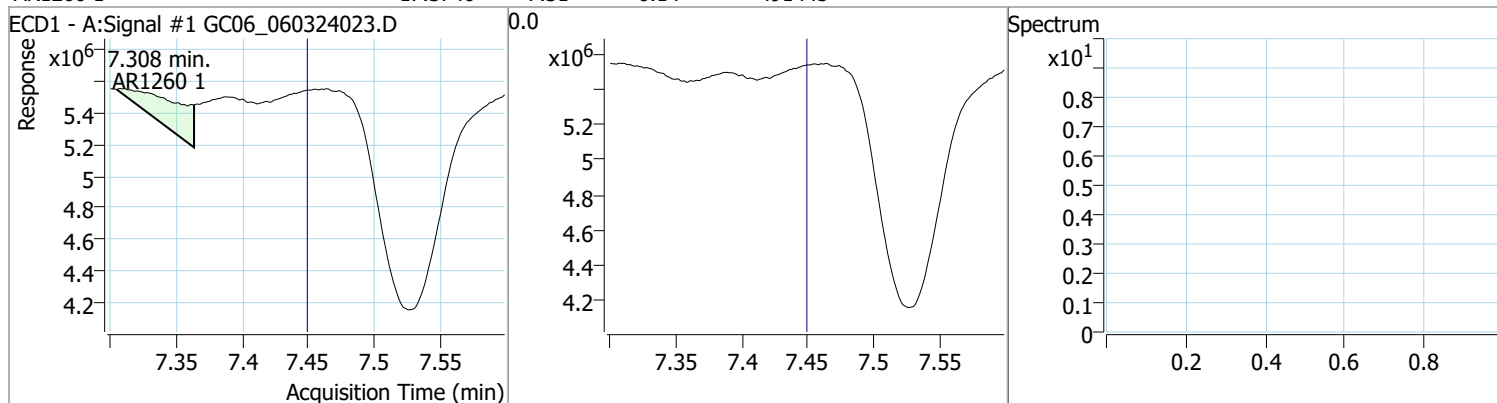
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	11.1583	6.58	-0.08	1004075				



Quantitation Results Report (Not Reviewed)

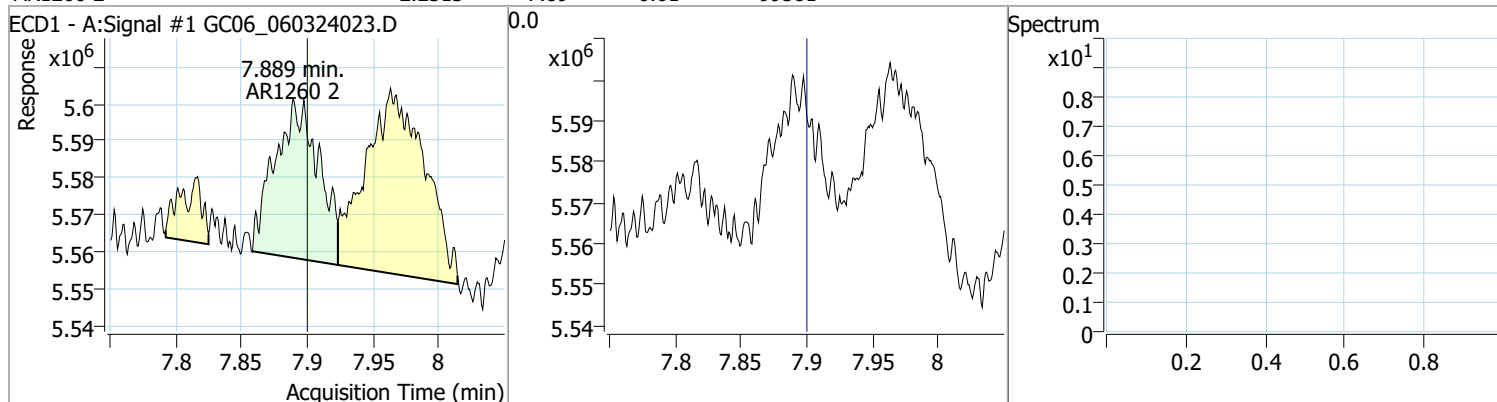
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 17.3740 7.31 -0.14 491445



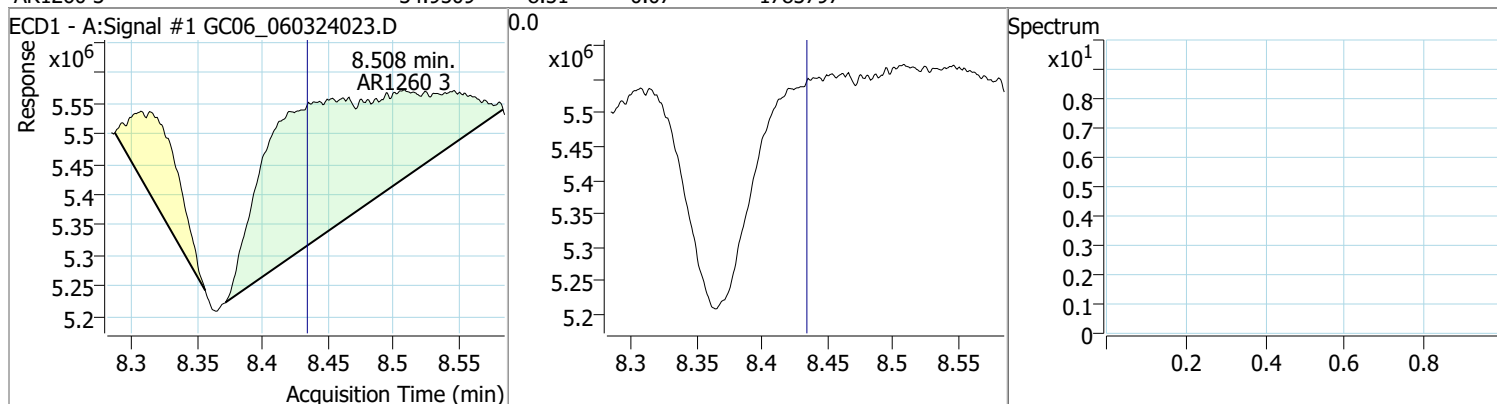
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 2.2313 7.89 -0.01 99581



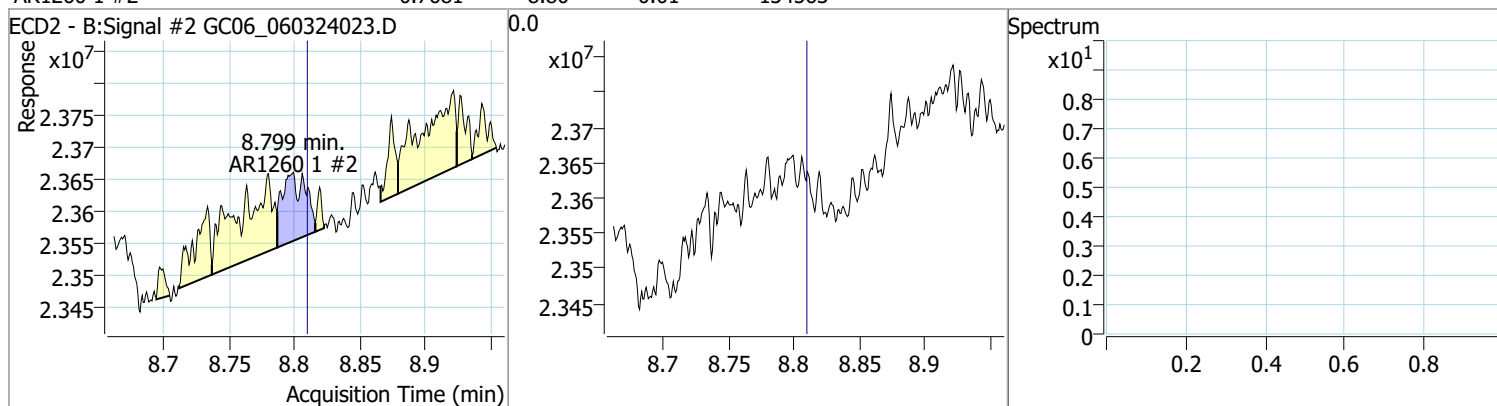
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 34.9509 8.51 0.07 1783797

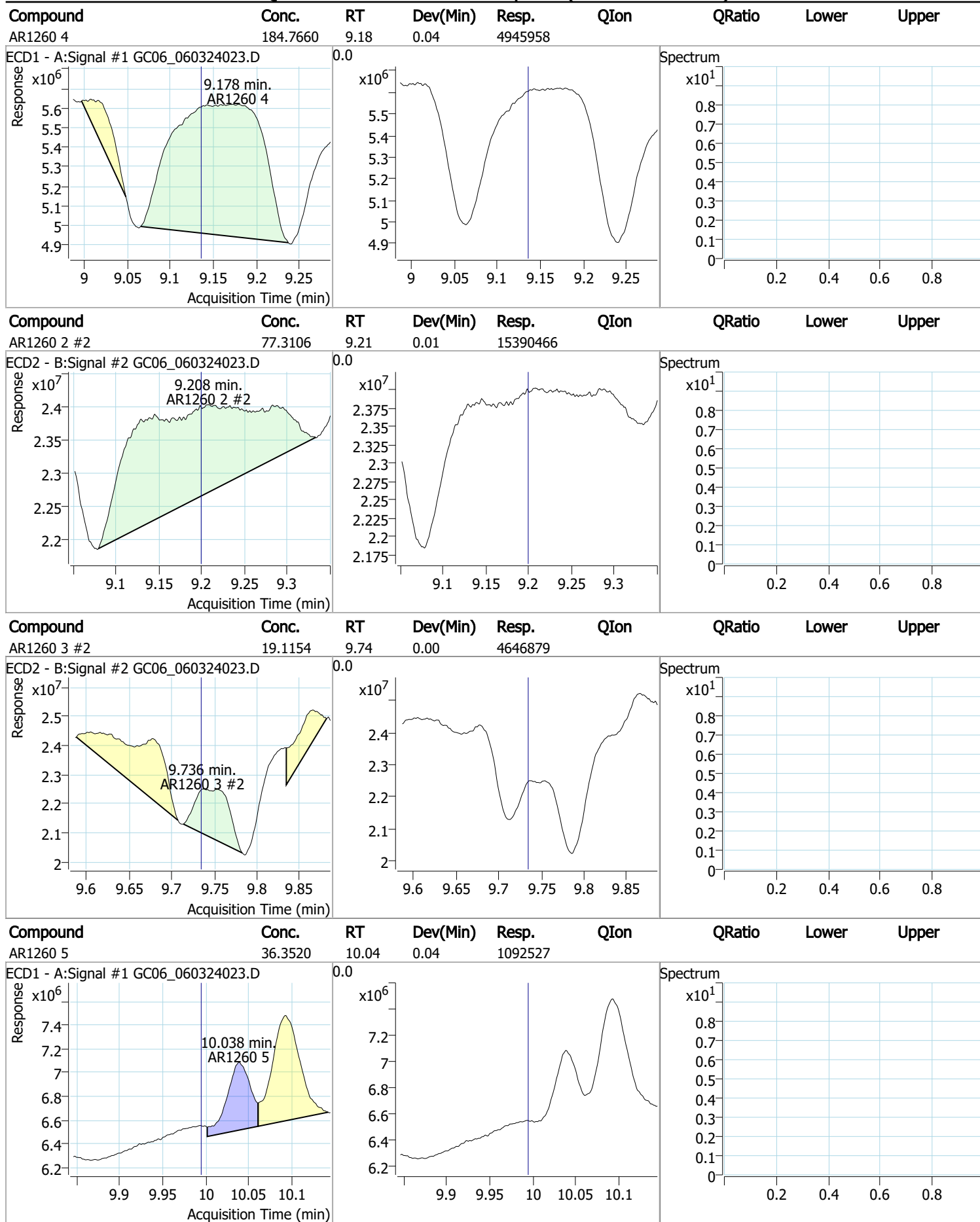


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 #2 0.7681 8.80 -0.01 134563

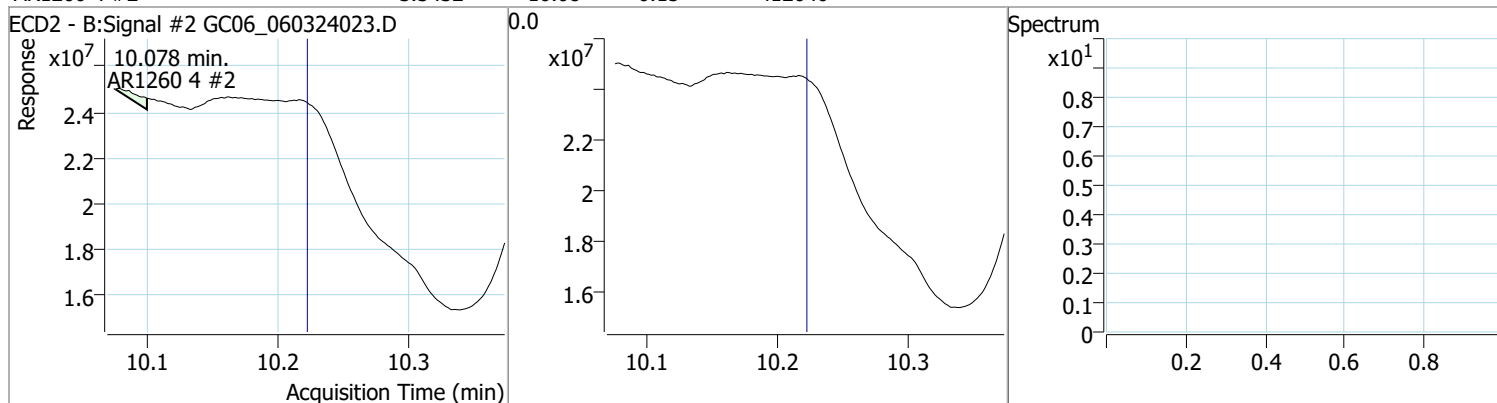


Quantitation Results Report (Not Reviewed)

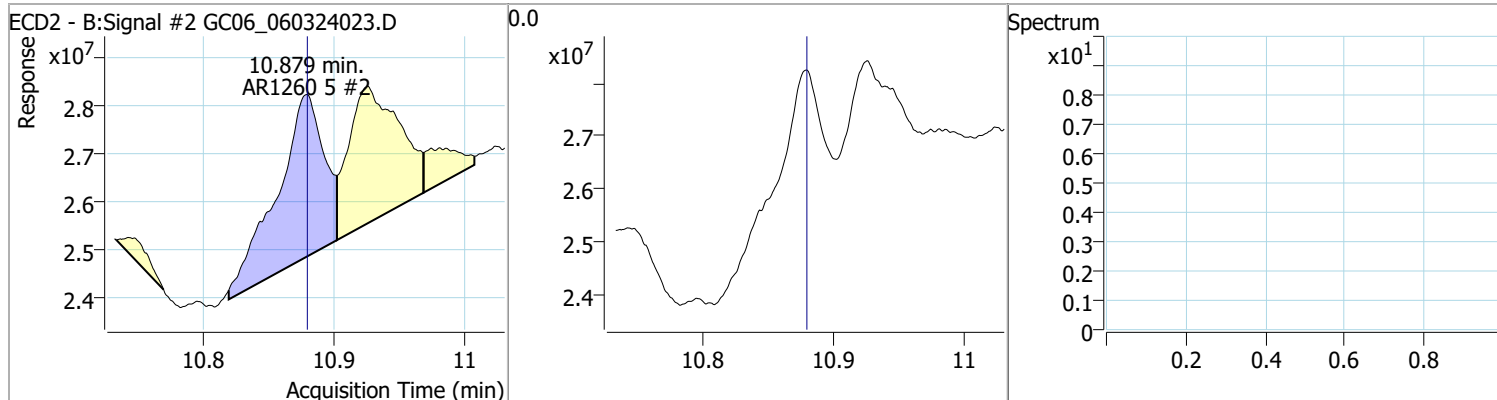


Quantitation Results Report (Not Reviewed)

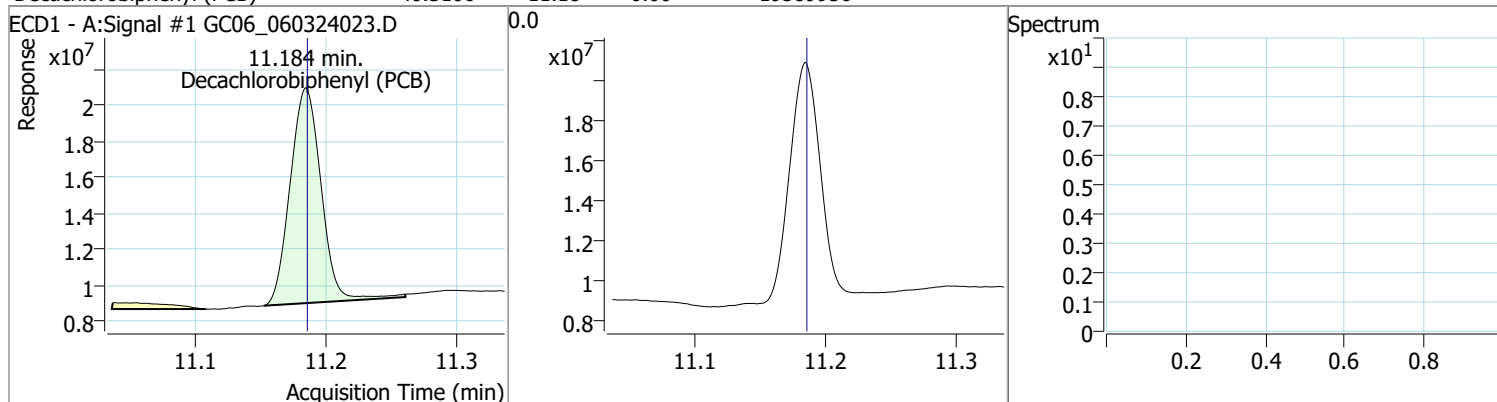
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.3432	10.08	-0.15	412640				



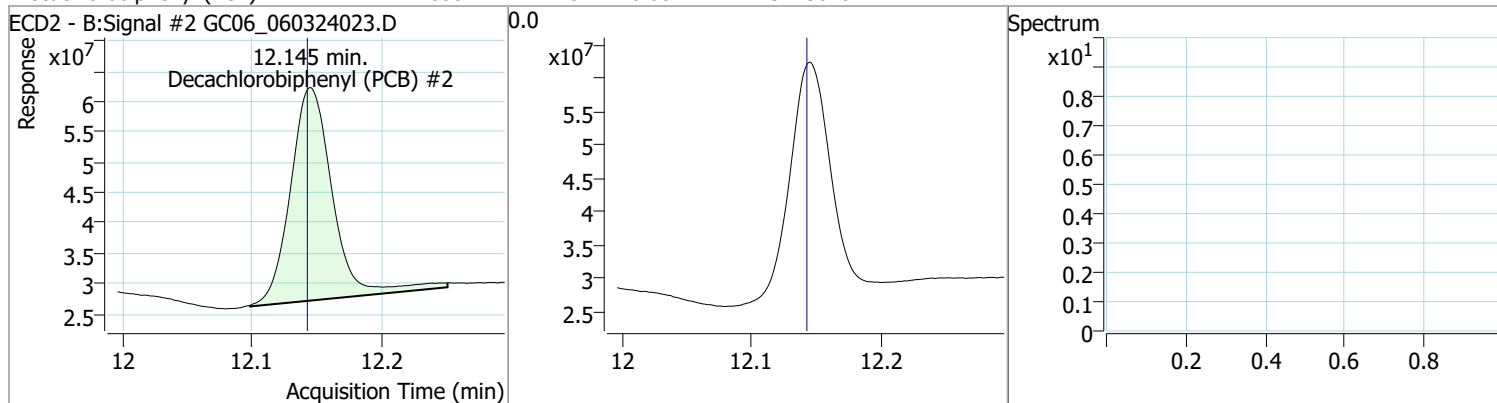
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	51.5349	10.88	0.00	8651957				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.3106	11.18	0.00	19589956				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.6501	12.15	0.00	79423875				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-005	Client ID: DOOR-S-15.1GW-DG-13 TO 27-240530-P-LA
Seqnum: 454224018024	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324024	Batch: 341640	Time: 03-JUN-2024 20:33
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	73.98	0.74 ^{FP}	1.8	84%	0.50		X U
Aroclor-1016 Peak # 1	B	205.1	2.05	2.63	25%			
Aroclor-1016 Peak # 2	B	8.826	0.09	0.19	71%			
Aroclor-1016 Peak # 3	B	77.84	0.78	4.91	145%			
Aroclor-1016 Peak # 4	B	69.26	0.69	0.11	145%			
Aroclor-1016 Peak # 5	B	8.875	0.09	1.18	172%			
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	130.5	1.3 ^{FP}	1.1	19%	0.50		X U
Aroclor-1260 Peak # 1	B	0.1983	0.00	2.50	200%			
Aroclor-1260 Peak # 2	B	79.11	0.79	0.01	196%			
Aroclor-1260 Peak # 3	B	17.80	0.18	0.35	66%			
Aroclor-1260 Peak # 4	B	525.8	5.26	1.82	97%			
Aroclor-1260 Peak # 5	B	29.56	0.30	0.72	84%			
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	44.76	0.5000	0.4476	90	19-121	U
Decachlorobiphenyl (PCB)	B	40.09	0.5000	0.4009	80	19-121	U

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	55290965	8.99
1-bromo-2-nitrobenzene (PCB)	A	9322089	9231414	-0.97

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

06/04/24 : WIPE/1S-10ML

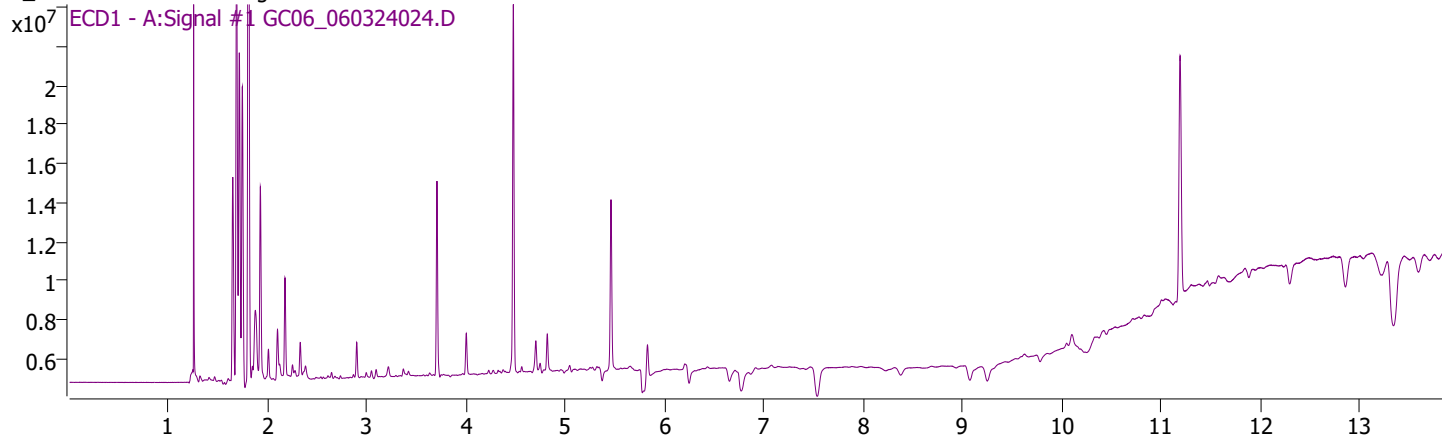
u=use x=false positive

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

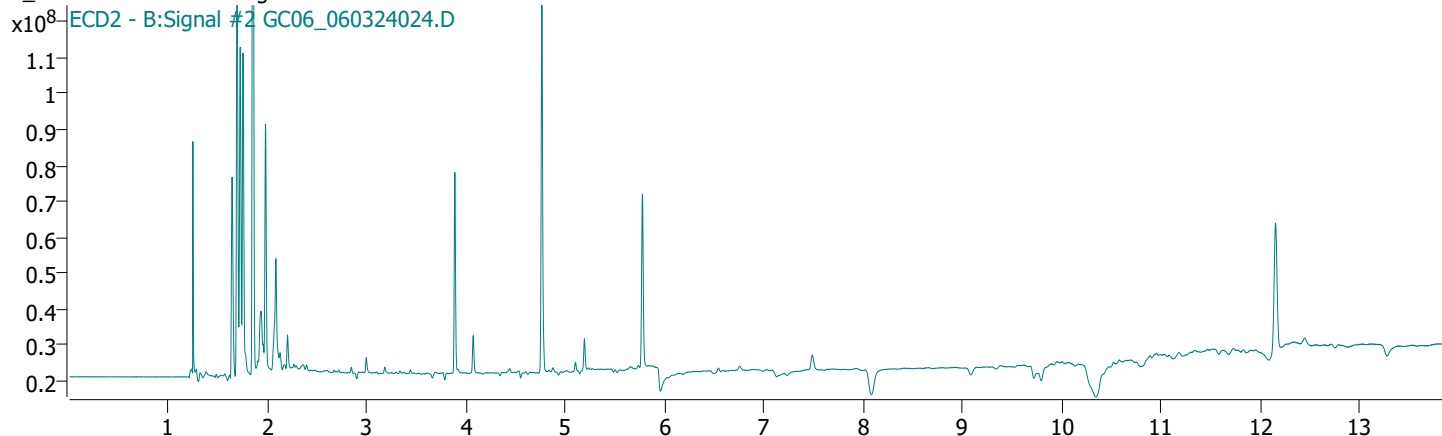
Quantitation Results Report (Not Reviewed)

Data File	GC06_060324024.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 8:33:10 PM
Sample Name	509117-005, 341640, 1	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			

GC06_060324024.D No MS Signals



GC06_060324024.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.701	0.0	9231414.400	20.0000	ng/ml	0.002
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	55290965.100	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.470	0.0	18536330.134	43.4442	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.22%	*	
S TCMX (PCB) #2	4.758	0.0	109076829.473	44.7610	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.81%	*	
S Decachlorobiphenyl (PCB)	11.185	0.0	20359980.866	40.8914	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.46%	*	
S Decachlorobiphenyl (PCB) #2	12.148	0.0	80049145.387	40.0885	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.44%	*	

Target Compounds

QValue

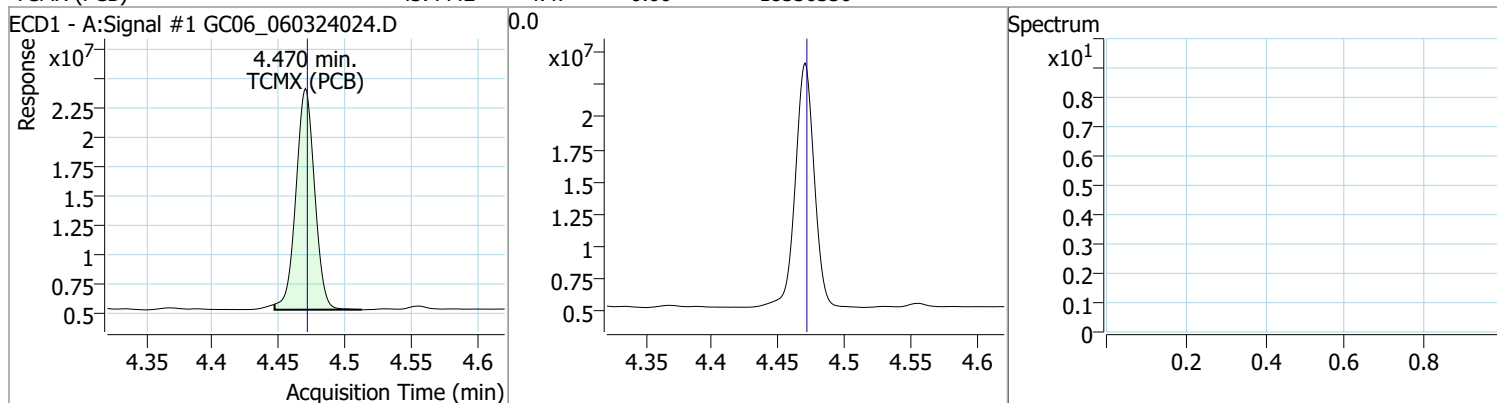
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.812	0.0	2383056.29 8	263.0159	ng/ml	100
T AR1016 2	5.095	0.0	328171.120	18.5457	ng/ml	100
T AR1016 1 #2	5.186	0.0	11413665.6 85	205.0968	ng/ml	100
T AR1016 3	5.453	0.0	11138381.9 87	462.5139	ng/ml	100
T AR1016 2 #2	5.544	0.0	1030425.74 5	8.8260	ng/ml	100
T AR1016 4	5.588	0.0	159852.881	11.0152	ng/ml	100
T AR1016 5	6.016	0.0	1626831.64 5	117.8899	ng/ml	100
T AR1016 3 #2	5.873	0.0	11780027.4 08	77.8428	ng/ml	100
T AR1016 4 #2	6.146	0.0	7709121.11 3	69.2621	ng/ml	100
T AR1016 5 #2	6.581	0.0	836278.710	8.8752	ng/ml	100
T AR1260 1	7.461	0.0	7240652.58 2	249.8459	ng/ml	100
T AR1260 2	7.912	0.0	34325.233	0.7507	ng/ml	100
T AR1260 3	8.538	0.0	1840724.48 6	35.2023	ng/ml	100
T AR1260 1 #2	8.818	0.0	36379.455	0.1983	ng/ml	100
T AR1260 4	9.181	0.0	4979408.74 2	181.5594	ng/ml	100
T AR1260 2 #2	9.225	0.0	16490900.7 86	79.1097	ng/ml	100
T AR1260 3 #2	9.738	0.0	4531759.02 8	17.8028	ng/ml	100
T AR1260 5	10.095	0.0	2229364.26 6	72.4012	ng/ml	100
T AR1260 4 #2	10.158	0.0	67951359.3 95	525.7609	ng/ml	100
T AR1260 5 #2	10.878	0.0	5197234.55 9	29.5636	ng/ml	100

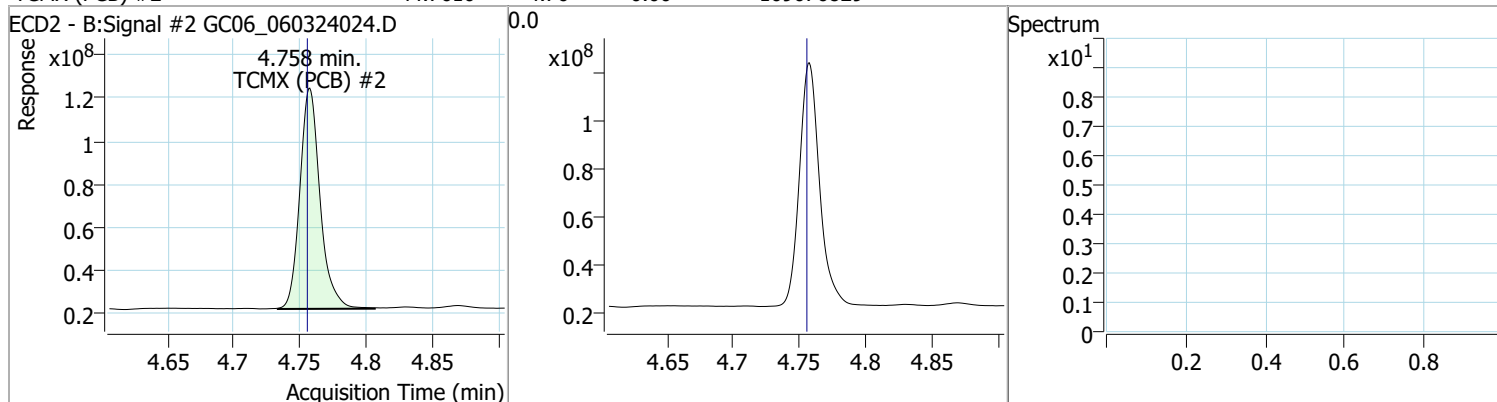
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

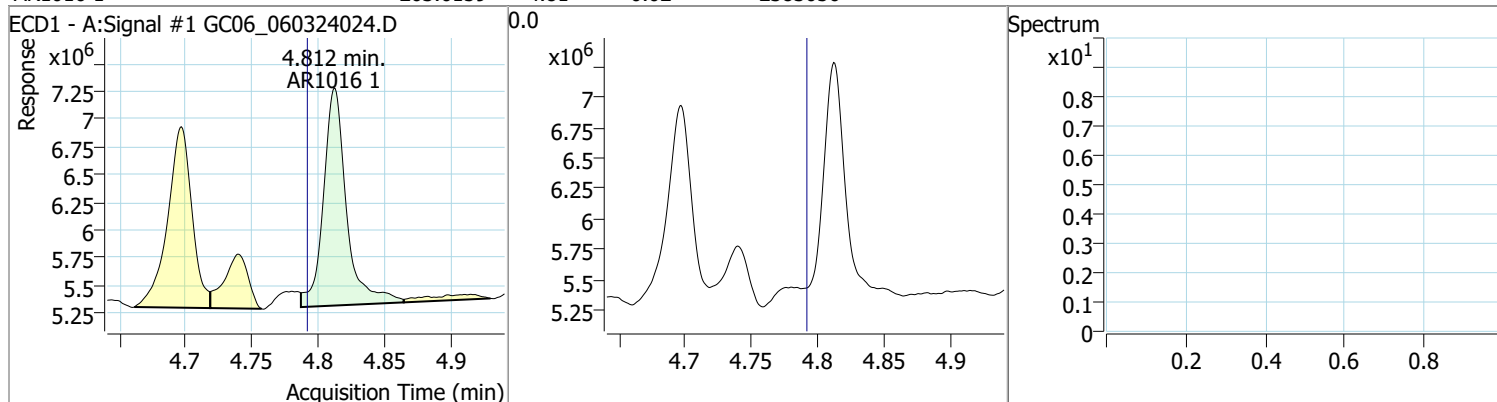
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.4442	4.47	0.00	18536330				



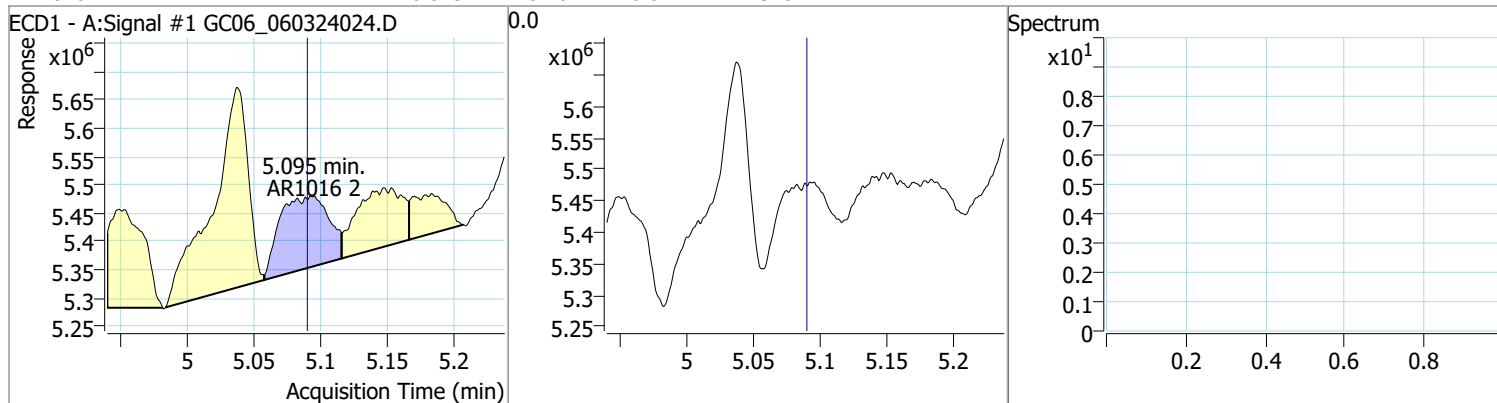
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.7610	4.76	0.00	109076829				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	263.0159	4.81	0.02	2383056				

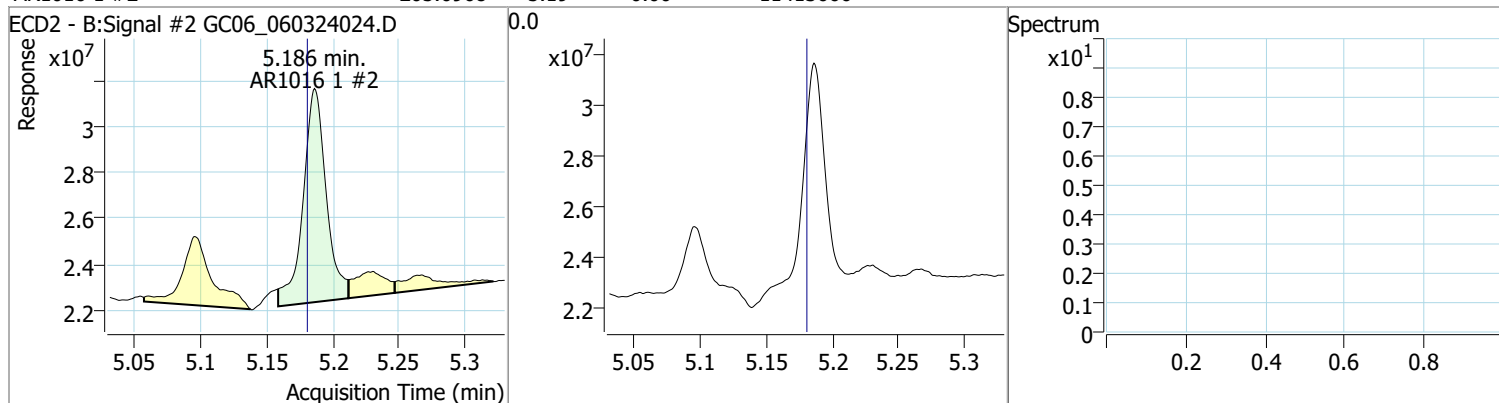


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	18.5457	5.10	0.01	328171				

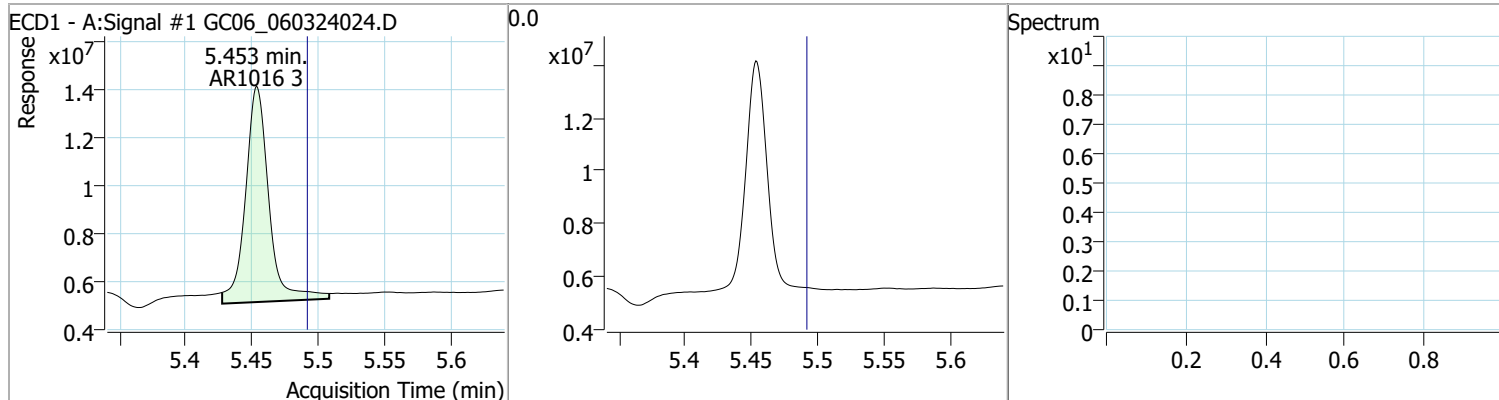


Quantitation Results Report (Not Reviewed)

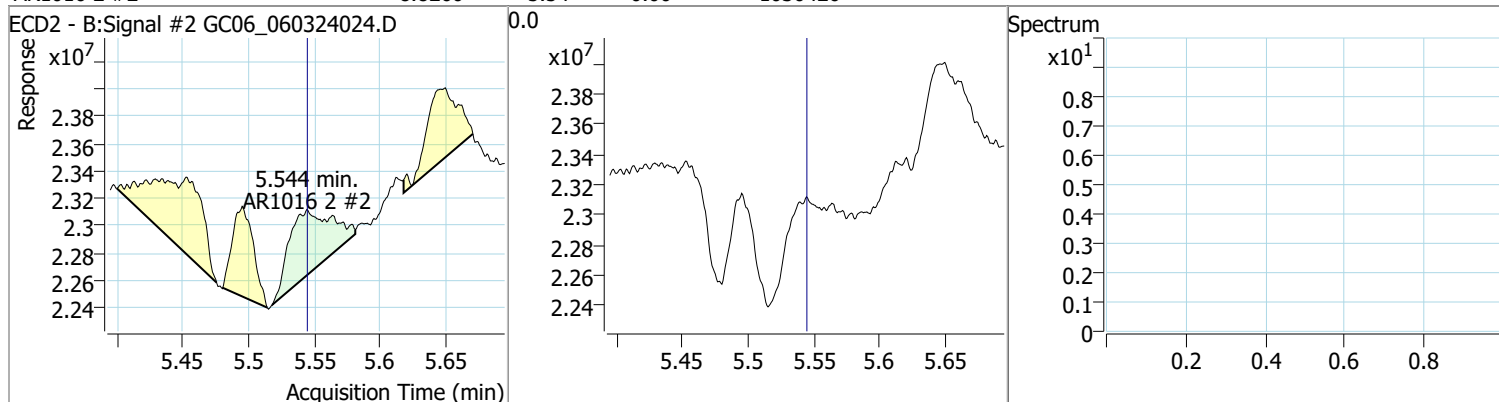
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	205.0968	5.19	0.00	11413666				



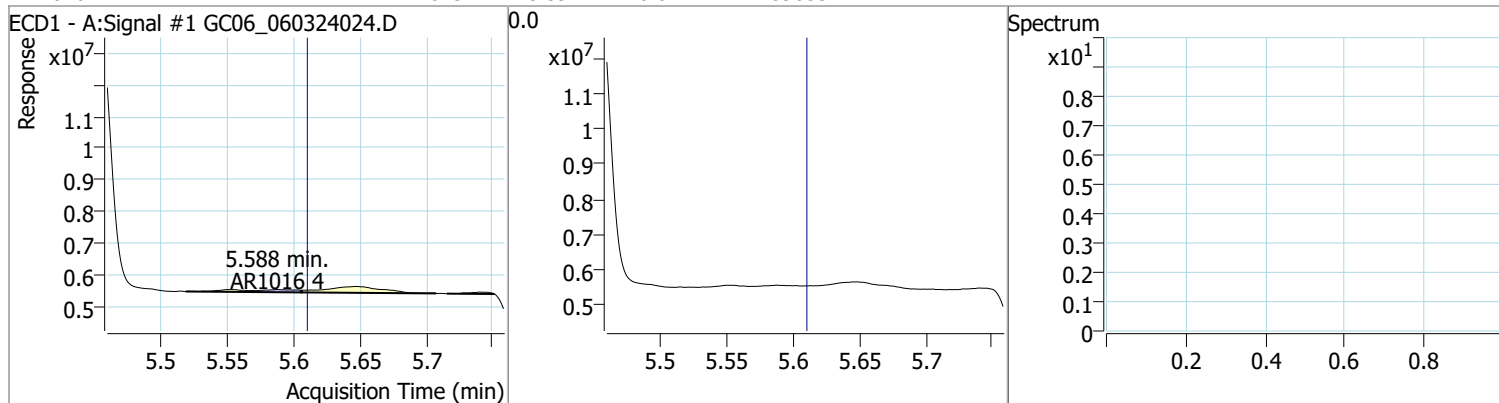
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	462.5139	5.45	-0.03	11138382				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.8260	5.54	0.00	1030426				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.0152	5.59	-0.02	159853				

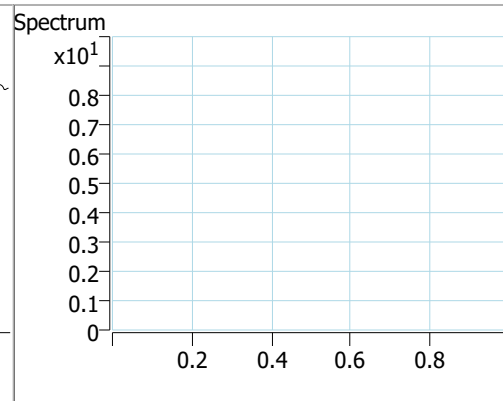
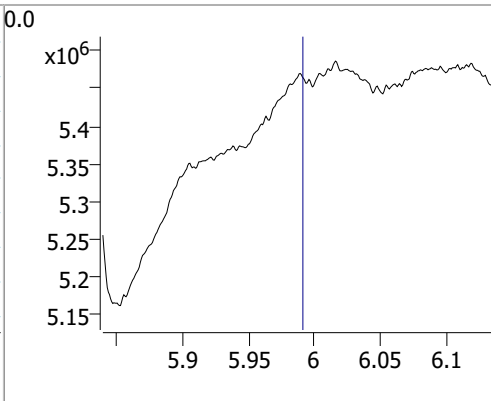
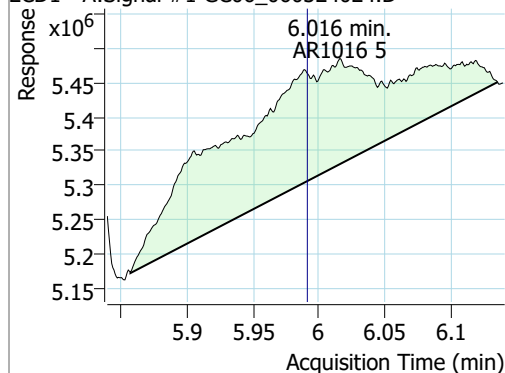


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 5 117.8899 6.02 0.03 1626832

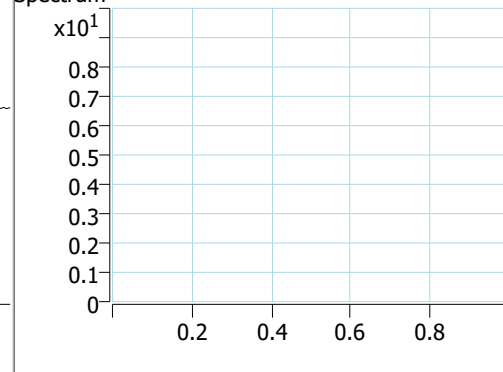
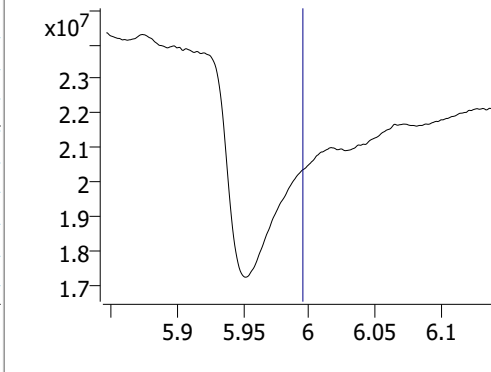
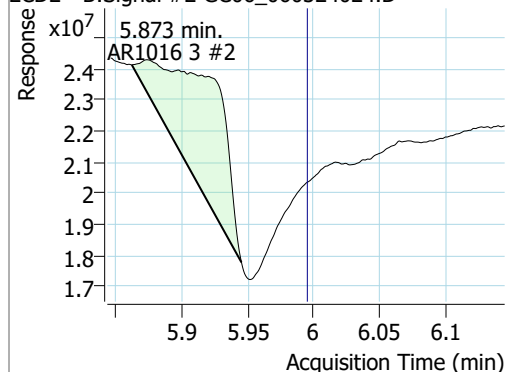
ECD1 - A:Signal #1 GC06_060324024.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 3 #2 77.8428 5.87 -0.12 11780027

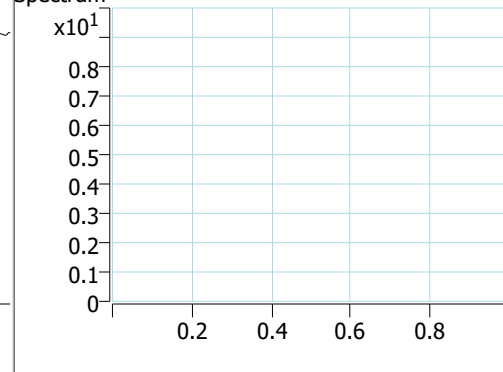
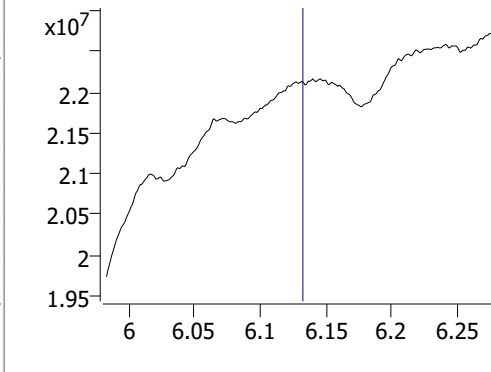
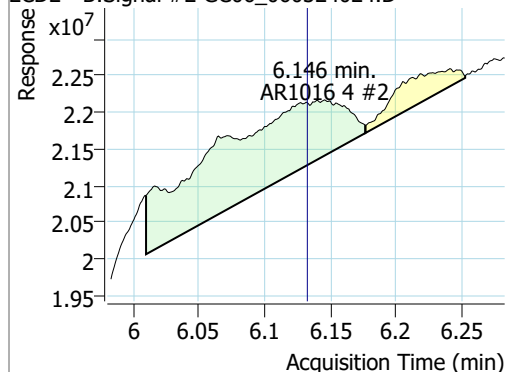
ECD2 - B:Signal #2 GC06_060324024.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 4 #2 69.2621 6.15 0.01 7709121

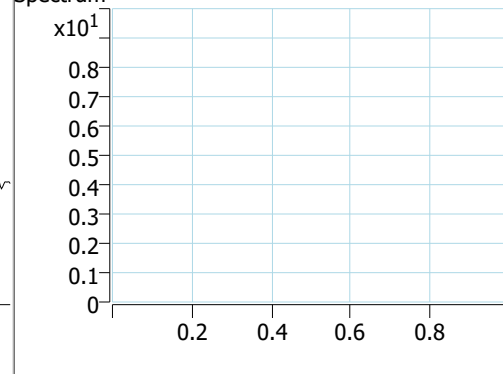
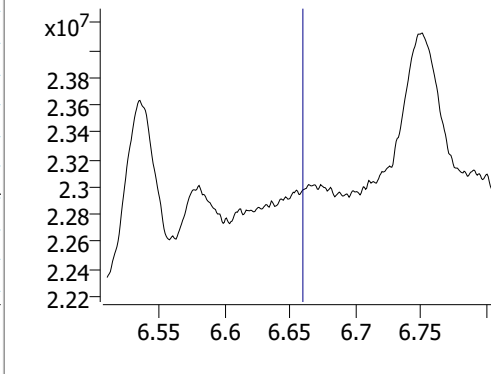
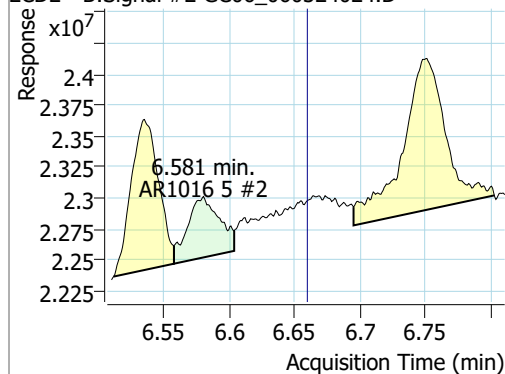
ECD2 - B:Signal #2 GC06_060324024.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 5 #2 8.8752 6.58 -0.08 836279

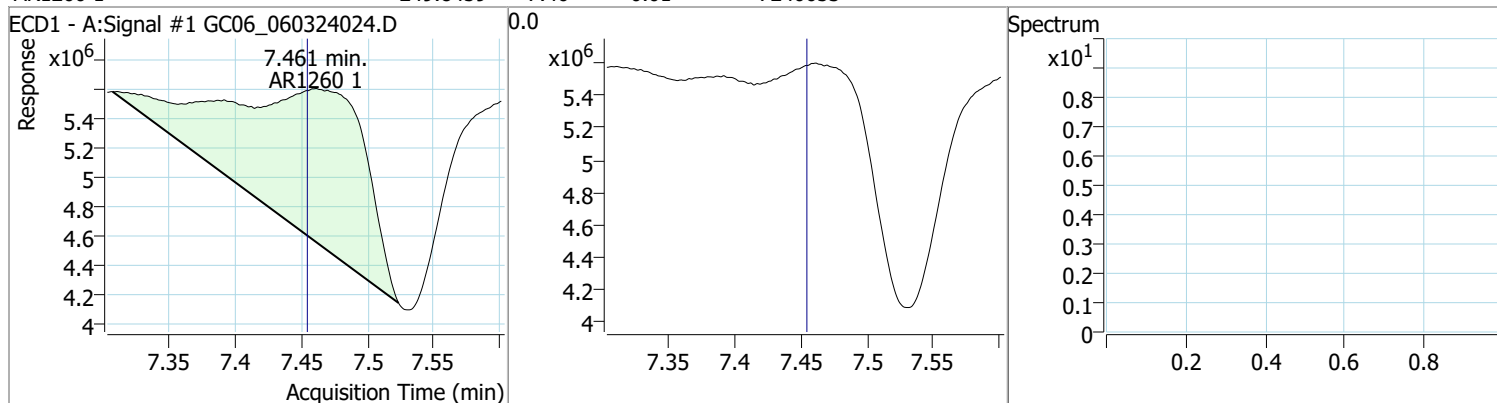
ECD2 - B:Signal #2 GC06_060324024.D



Quantitation Results Report (Not Reviewed)

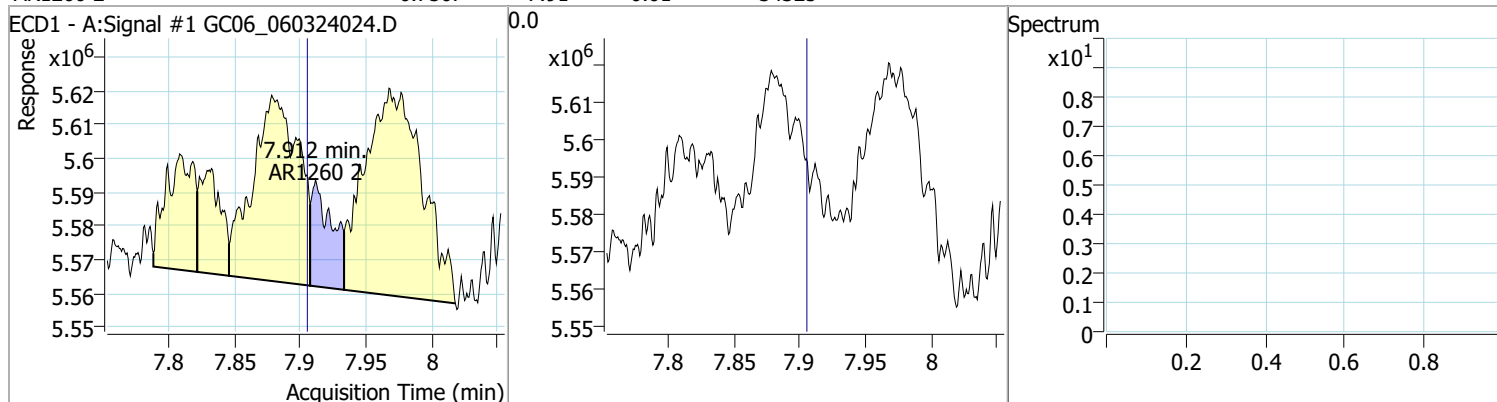
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 249.8459 7.46 0.01 7240653



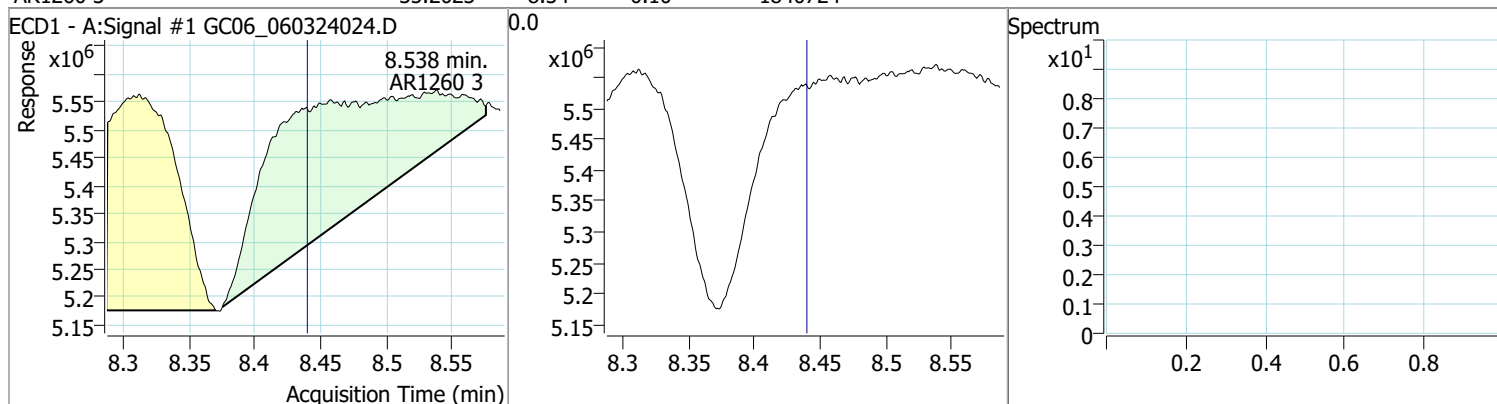
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 0.7507 7.91 0.01 34325



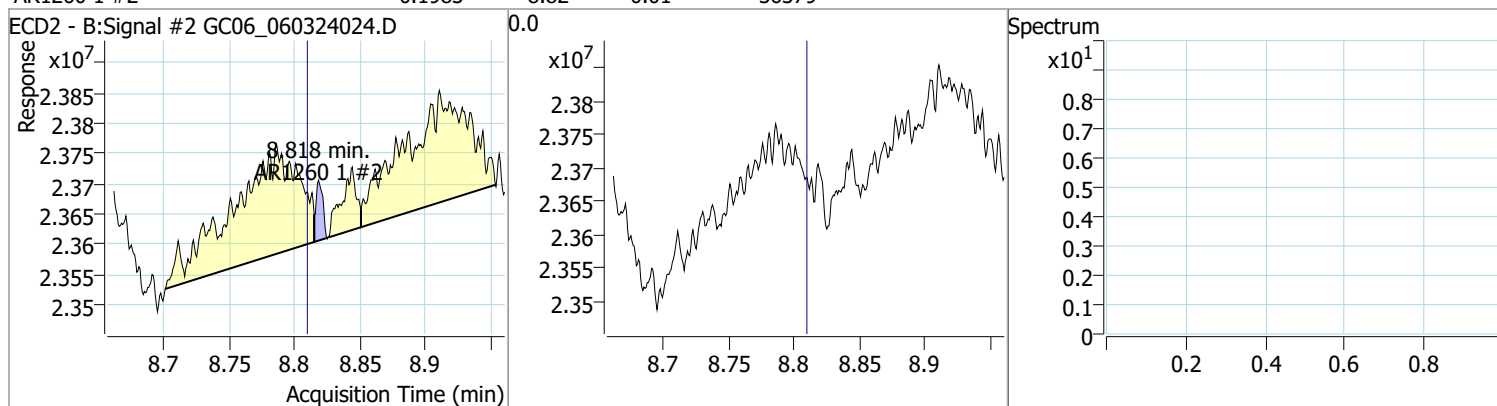
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 35.2023 8.54 0.10 1840724

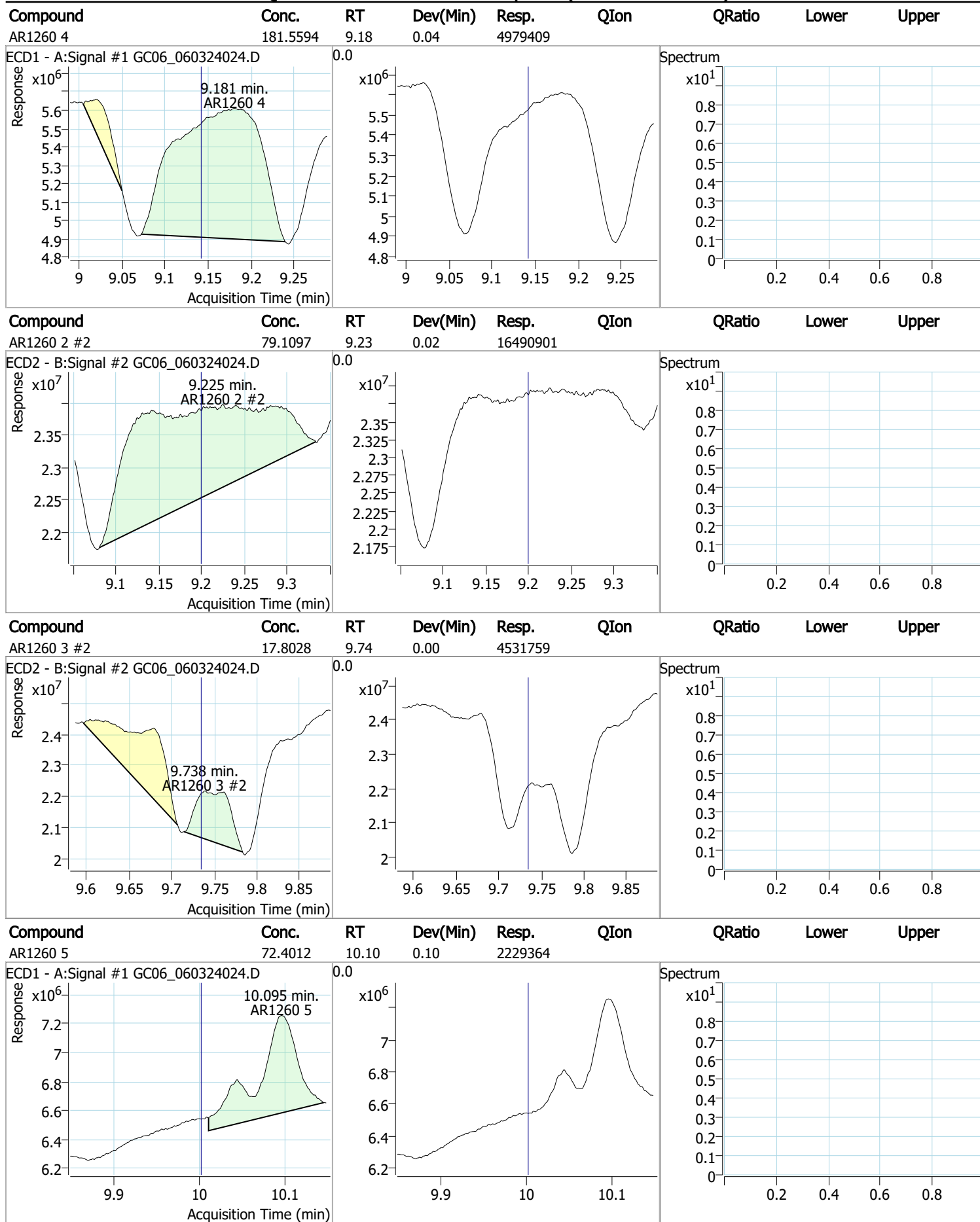


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 #2 0.1983 8.82 0.01 36379

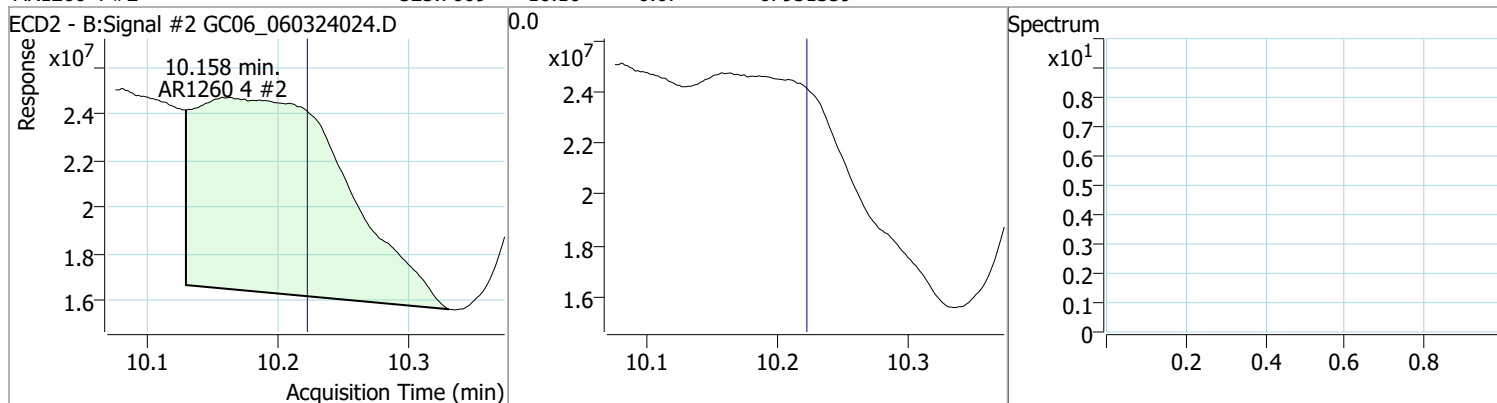


Quantitation Results Report (Not Reviewed)

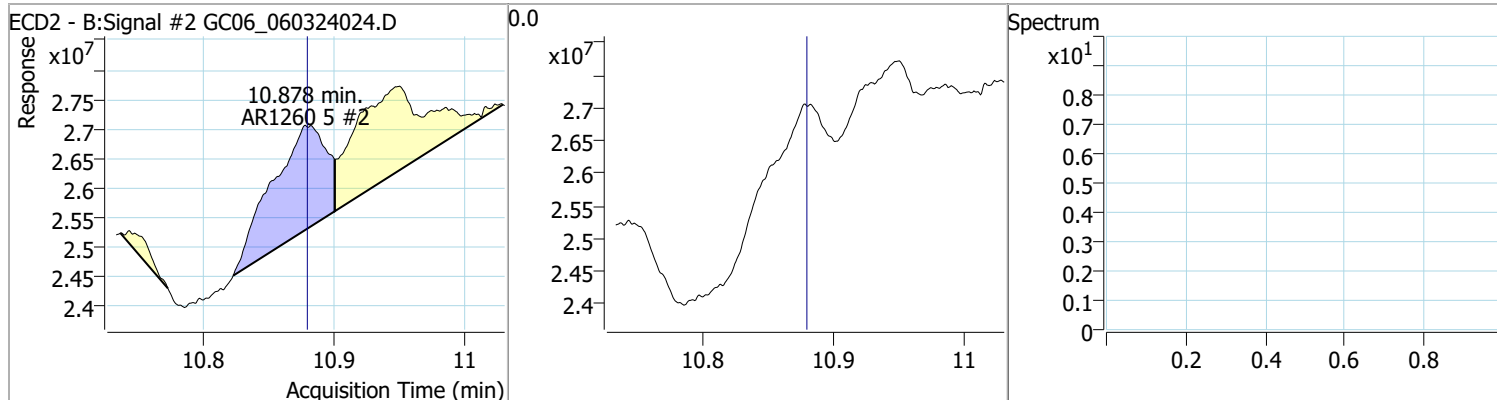


Quantitation Results Report (Not Reviewed)

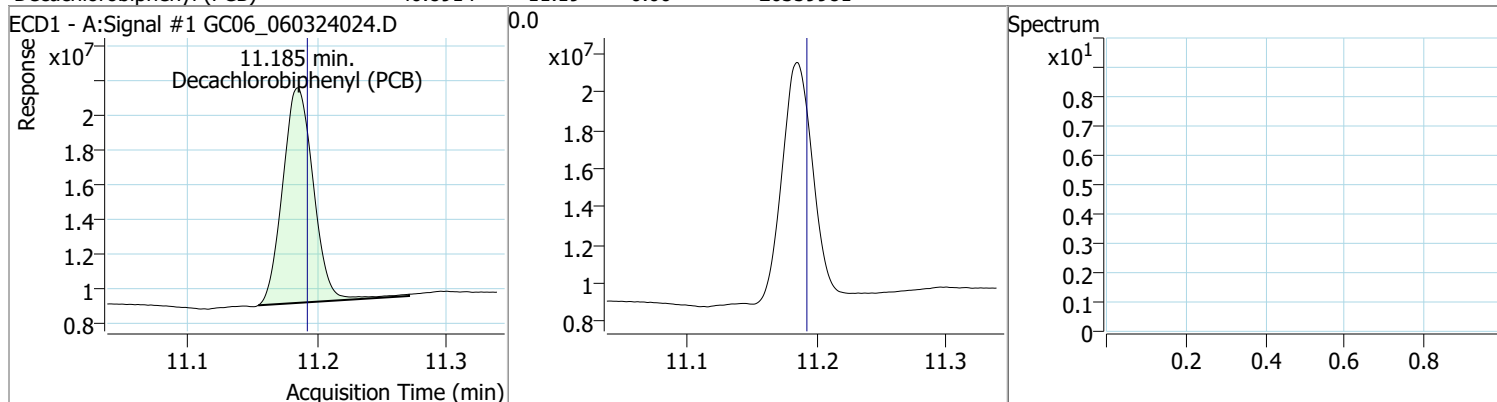
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	525.7609	10.16	-0.07	67951359				



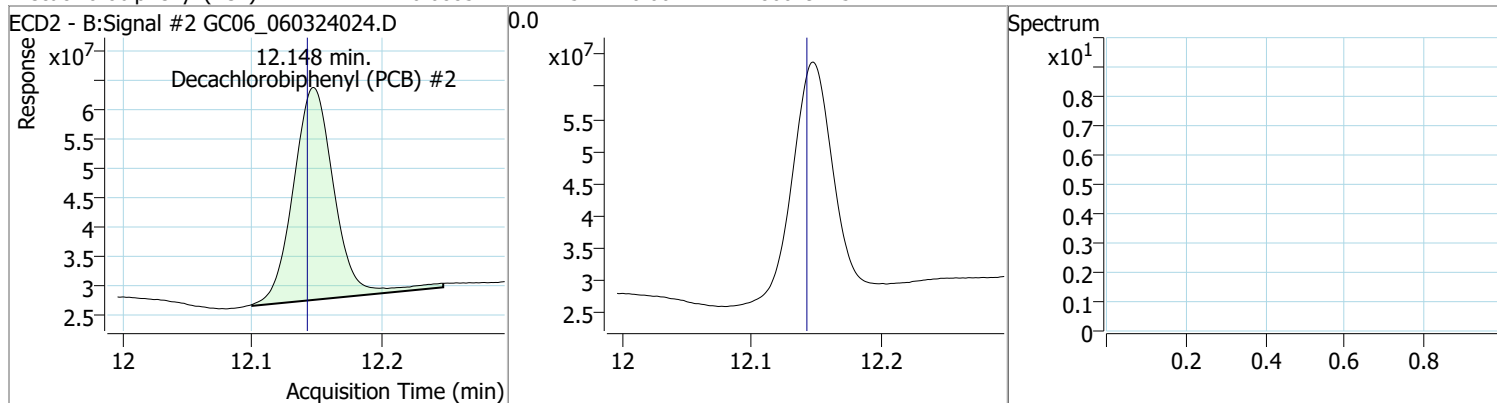
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	29.5636	10.88	0.00	5197235				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.8914	11.19	0.00	20359981				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.0885	12.15	0.00	80049145				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-007	Client ID: DOOR-S-15.3GE-DG-12 TO 26-240530-P-LA
Seqnum: 454224018025	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324025	Batch: 341640	Time: 03-JUN-2024 20:51
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	56.70	0.57 ^{FP}	1.8	103%	0.50		X U
Aroclor-1016 Peak # 1	B	108.3	1.08	1.90	55%			
Aroclor-1016 Peak # 2	B	21.73	0.22	0.24	10%			
Aroclor-1016 Peak # 3	B	94.83	0.95	5.72	143%			
Aroclor-1016 Peak # 4	B	46.80	0.47	0.13	113%			
Aroclor-1016 Peak # 5	B	11.85	0.12	0.83	150%			
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	87.27	0.87 ^{FP}	1.1	21%	0.50		X U
Aroclor-1260 Peak # 1	B	9.310	0.09	2.46	185%			
Aroclor-1260 Peak # 2	B	73.87	0.74	0.08	162%			
Aroclor-1260 Peak # 3	B	18.38	0.18	0.35	63%			
Aroclor-1260 Peak # 4	B	273.2	2.73	1.88	37%			
Aroclor-1260 Peak # 5	B	61.59	0.62	0.61	1%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	40.51	0.5000	0.4051	81	19-121	u
Decachlorobiphenyl (PCB)	B	37.68	0.5000	0.3768	75	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	53234409	4.94
1-bromo-2-nitrobenzene (PCB)	A	9322089	8758374	-6.05

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

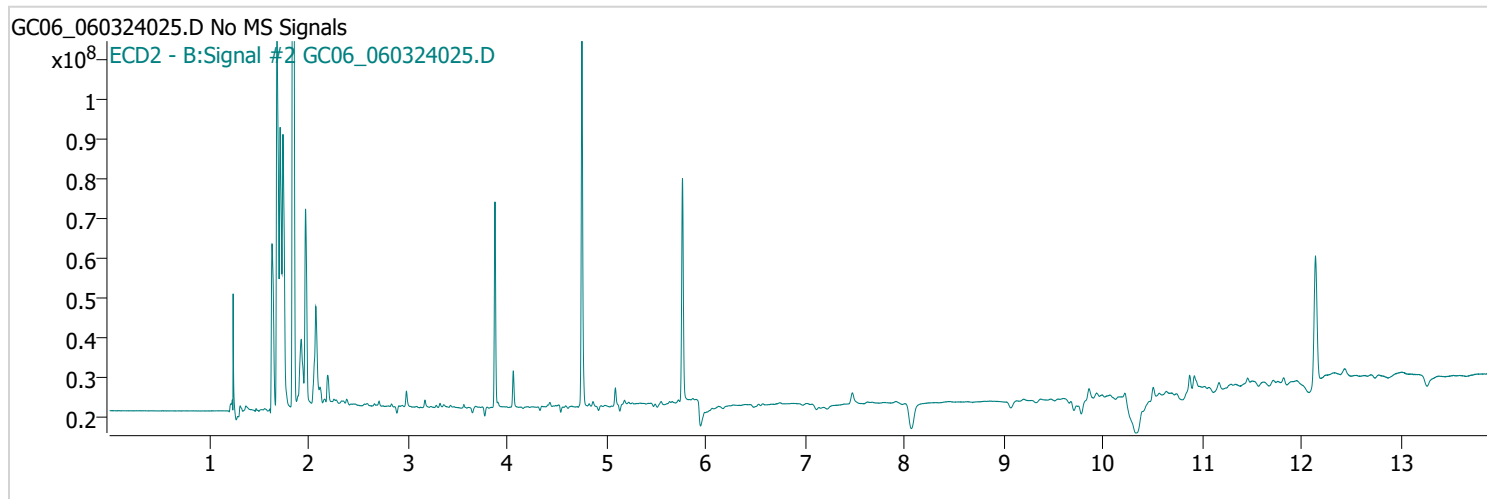
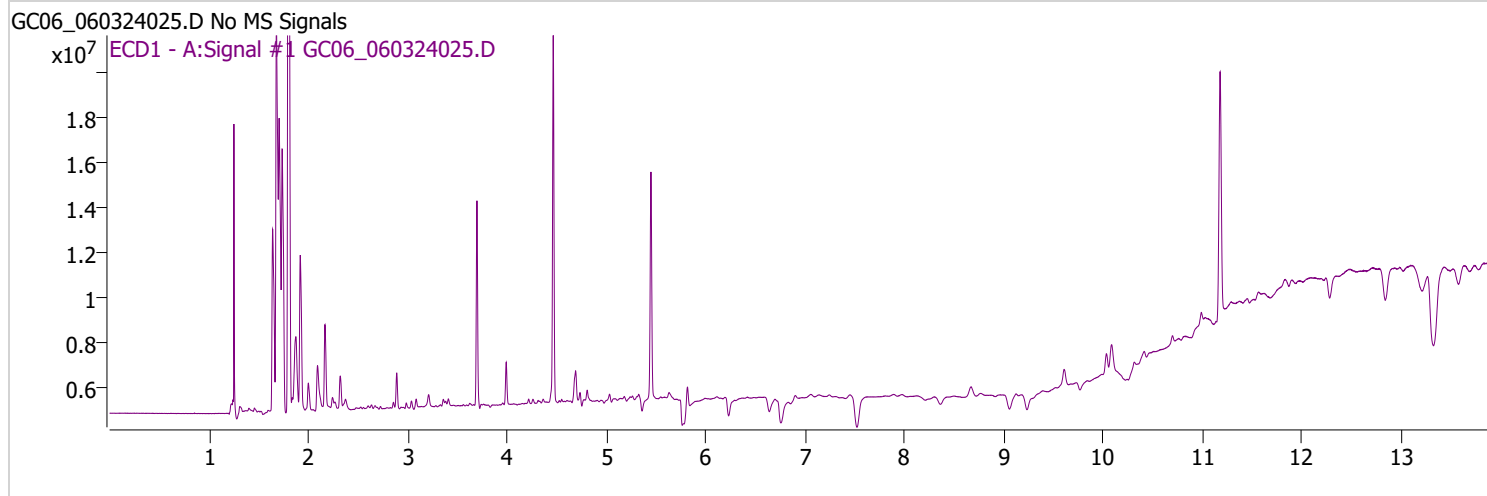
06/04/24 : WIPE/1S-10ML

u=use x=false positive

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324025.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 8:51:53 PM
Sample Name	509117-007, 341640, 1	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.699	0.0	8758374.06 9	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	53234408.6 87	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.468	0.0	16196085.1 40	40.0095	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.05%	*	
S TCMX (PCB) #2	4.757	0.0	95037278.2 00	40.5064	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.53%	*	
S Decachlorobiphenyl (PCB)	11.183	0.0	18080951.2 28	38.2755	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.38%	*	
S Decachlorobiphenyl (PCB) #2	12.144	0.0	72447912.9 84	37.6835	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.42%	*	

Target Compounds

GC06_060324025.D

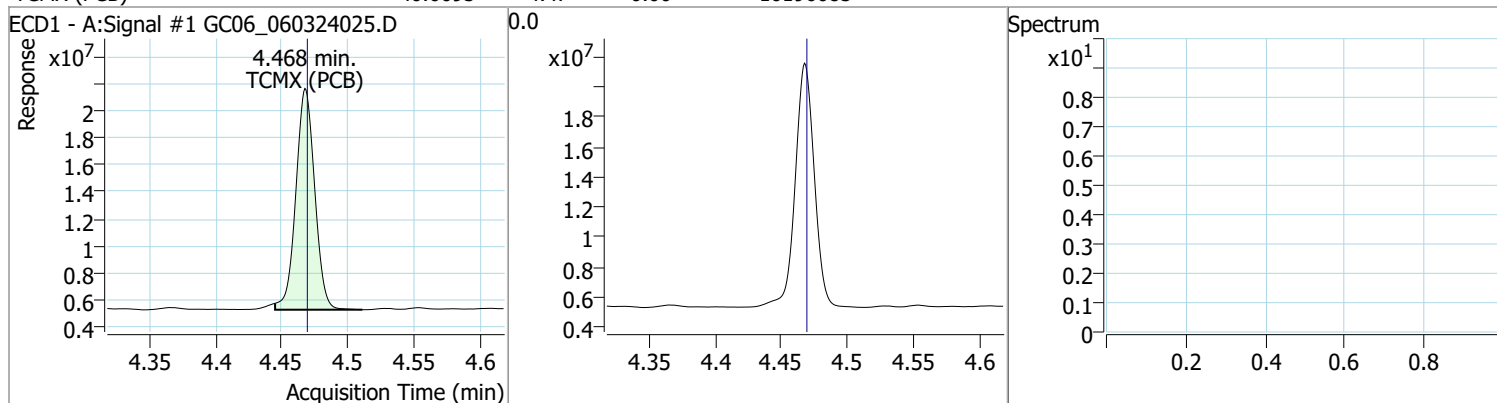
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.809	0.0	1635163.42 6	190.2188	ng/ml	100
T AR1016 2	5.092	0.0	403276.486	24.0210	ng/ml	100
T AR1016 1 #2	5.185	0.0	5802580.79 8	108.2970	ng/ml	100
T AR1016 3	5.452	0.0	12317681.5 66	539.1088	ng/ml	100
T AR1016 2 #2	5.554	0.0	2443083.12 6	21.7343	ng/ml	100
T AR1016 4	5.589	0.0	178508.688	12.9651	ng/ml	100
T AR1016 5	5.993	0.0	1081526.89 0	82.6068	ng/ml	100
T AR1016 3 #2	5.873	0.0	13817028.1 79	94.8306	ng/ml	100
T AR1016 4 #2	6.133	0.0	5015560.71 4	46.8028	ng/ml	100
T AR1016 5 #2	6.577	0.0	1074734.23 2	11.8466	ng/ml	100
T AR1260 1	7.457	0.0	6775610.51 5	246.4267	ng/ml	100
T AR1260 2	7.897	0.0	340118.710	7.8404	ng/ml	100
T AR1260 3	8.507	0.0	1758636.45 8	35.4489	ng/ml	100
T AR1260 1 #2	8.859	0.0	1644281.69 7	9.3100	ng/ml	100
T AR1260 4	9.129	0.0	4902134.13 1	188.3957	ng/ml	100
T AR1260 2 #2	9.203	0.0	14826739.3 57	73.8742	ng/ml	100
T AR1260 3 #2	9.737	0.0	4503874.30 6	18.3768	ng/ml	100
T AR1260 5	10.038	0.0	1787240.93 3	61.1777	ng/ml	100
T AR1260 4 #2	10.223	0.0	33998364.7 49	273.2184	ng/ml	100
T AR1260 5 #2	10.877	0.0	10425323.5 40	61.5937	ng/ml	100

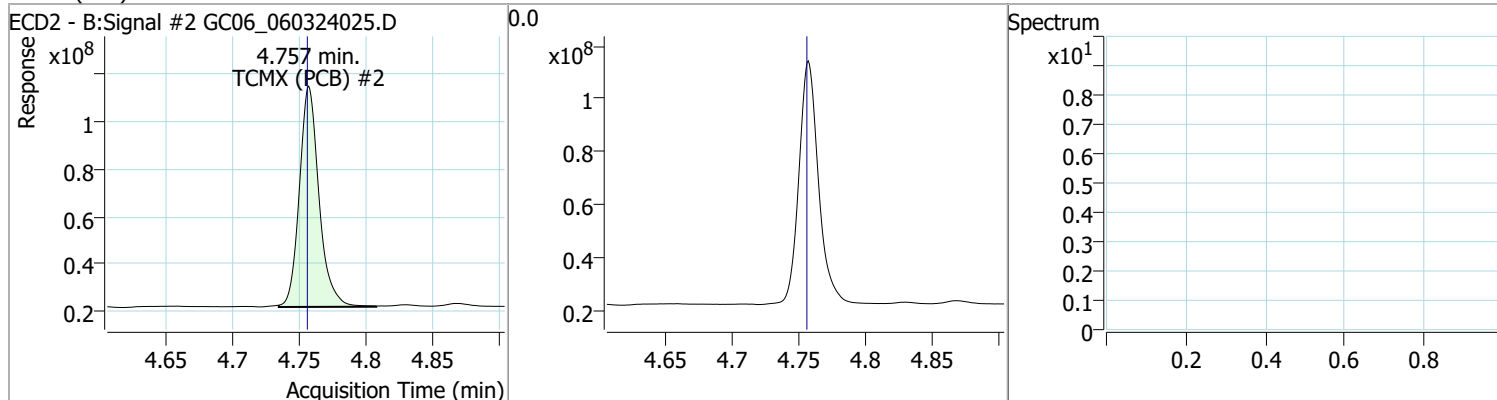
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

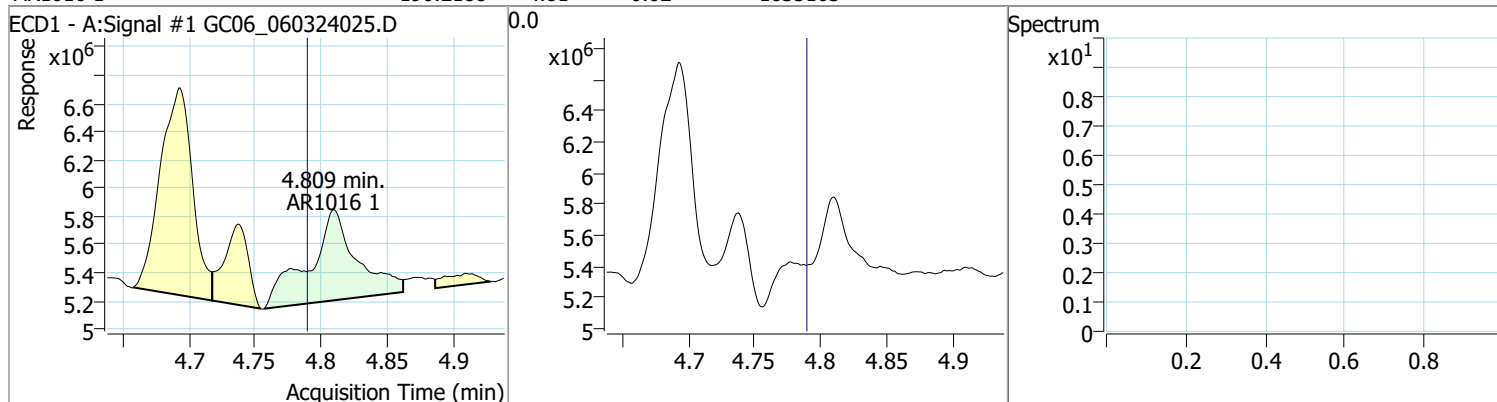
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.0095	4.47	0.00	16196085				



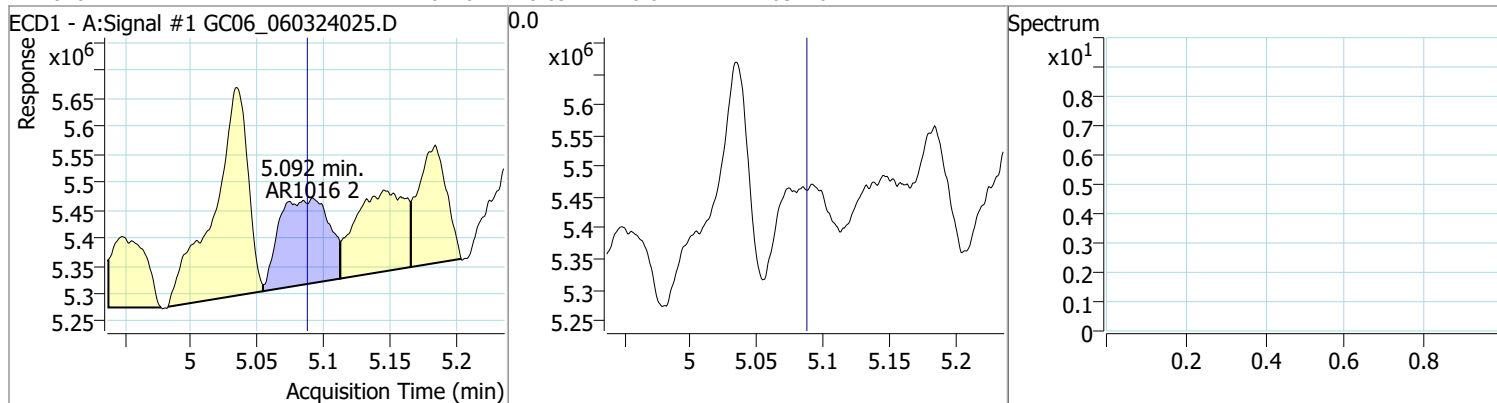
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.5064	4.76	0.00	95037278				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	190.2188	4.81	0.02	1635163				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.0210	5.09	0.01	403276				

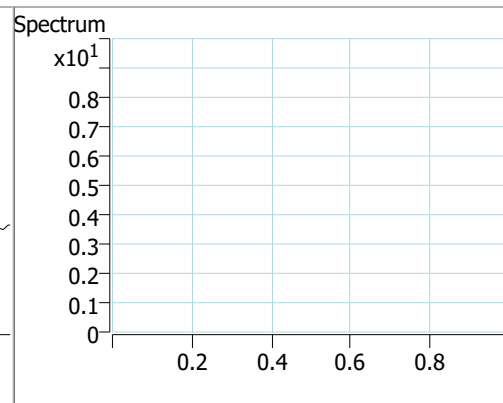
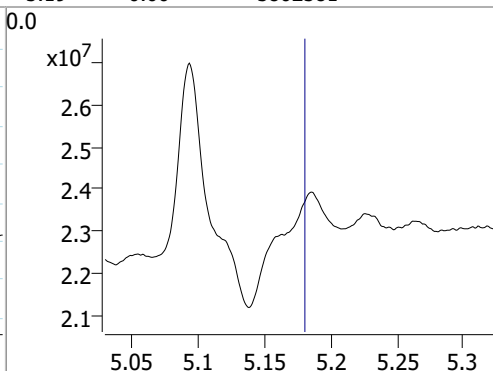
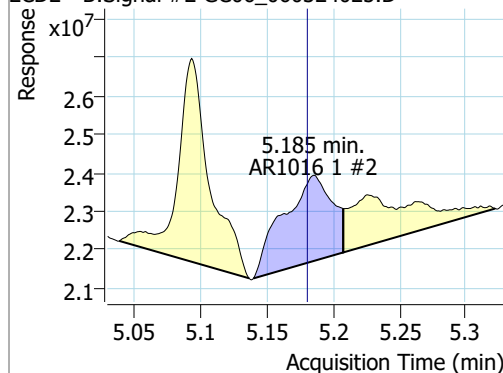


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 1 #2 108.2970 5.19 0.00 5802581

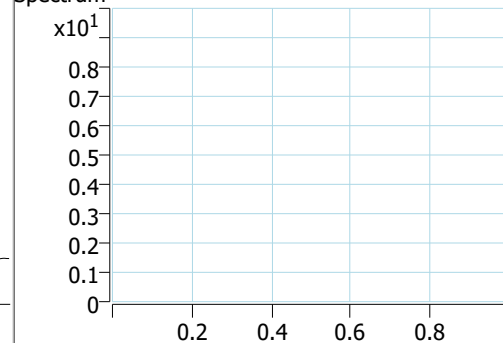
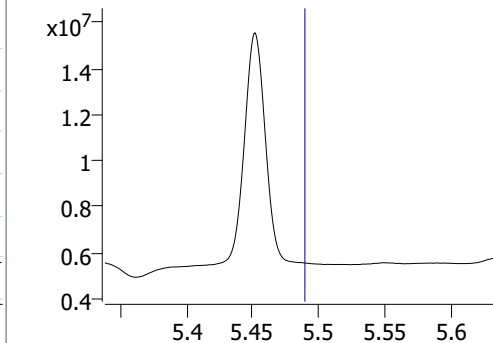
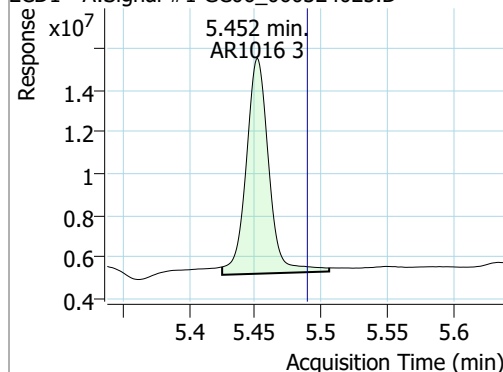
ECD2 - B:Signal #2 GC06_060324025.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 3 539.1088 5.45 -0.04 12317682

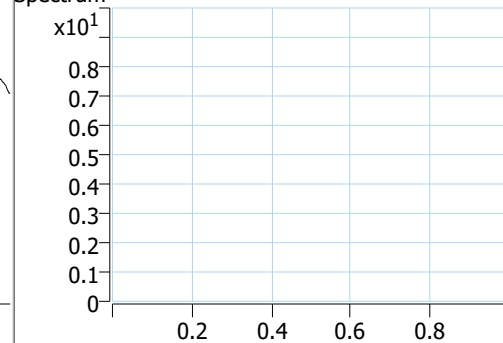
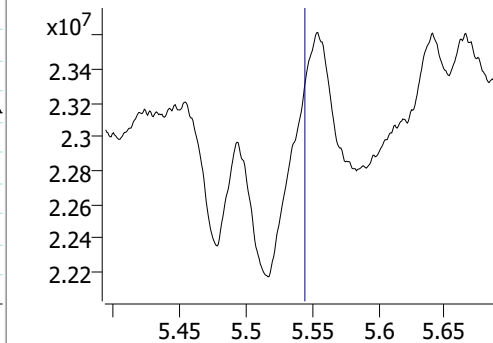
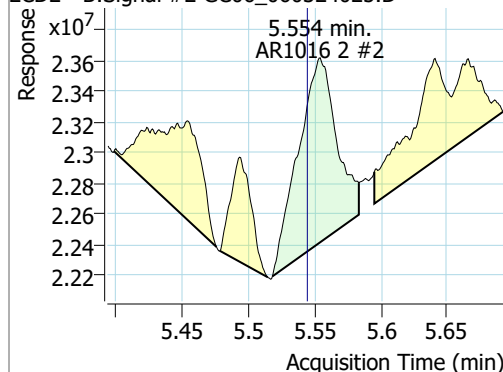
ECD1 - A:Signal #1 GC06_060324025.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 2 #2 21.7343 5.55 0.01 2443083

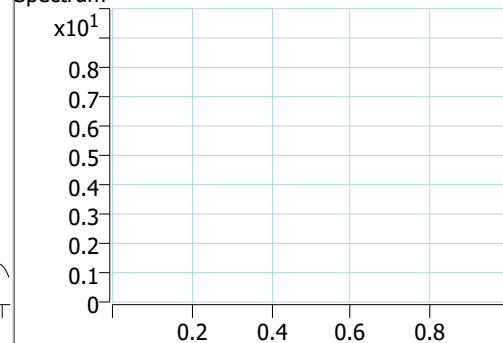
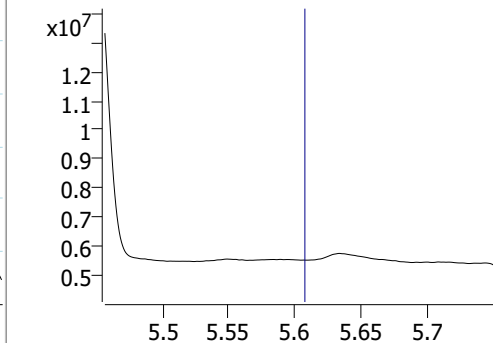
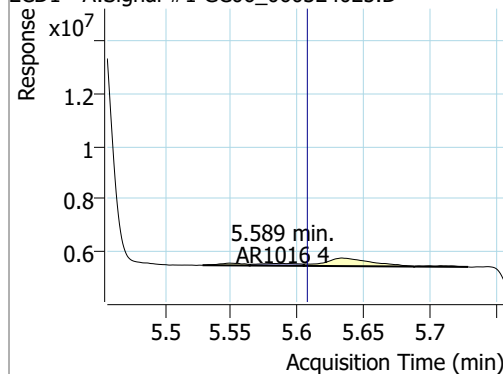
ECD2 - B:Signal #2 GC06_060324025.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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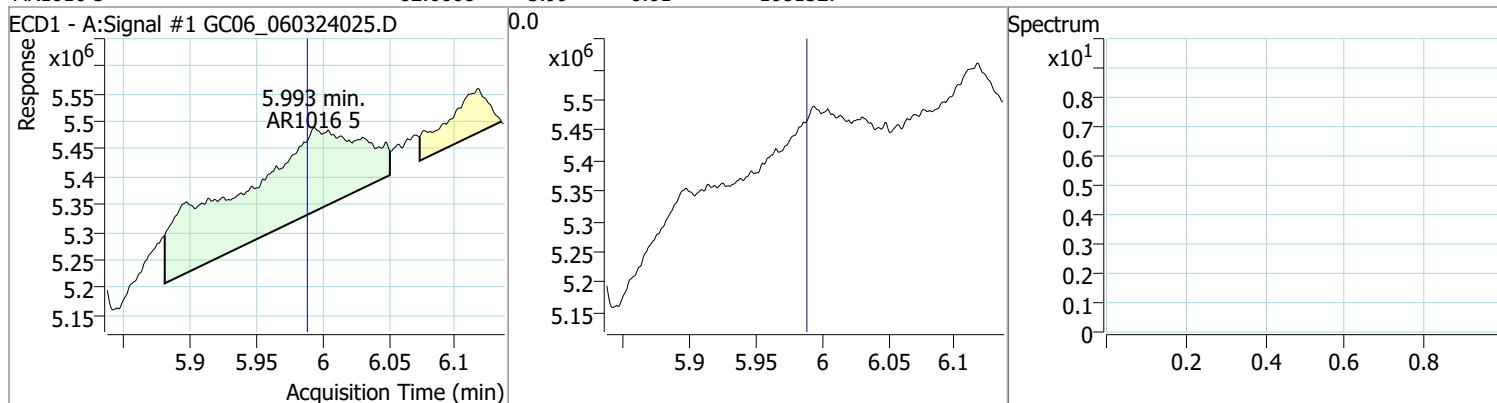
AR1016 4 12.9651 5.59 -0.02 178509

ECD1 - A:Signal #1 GC06_060324025.D

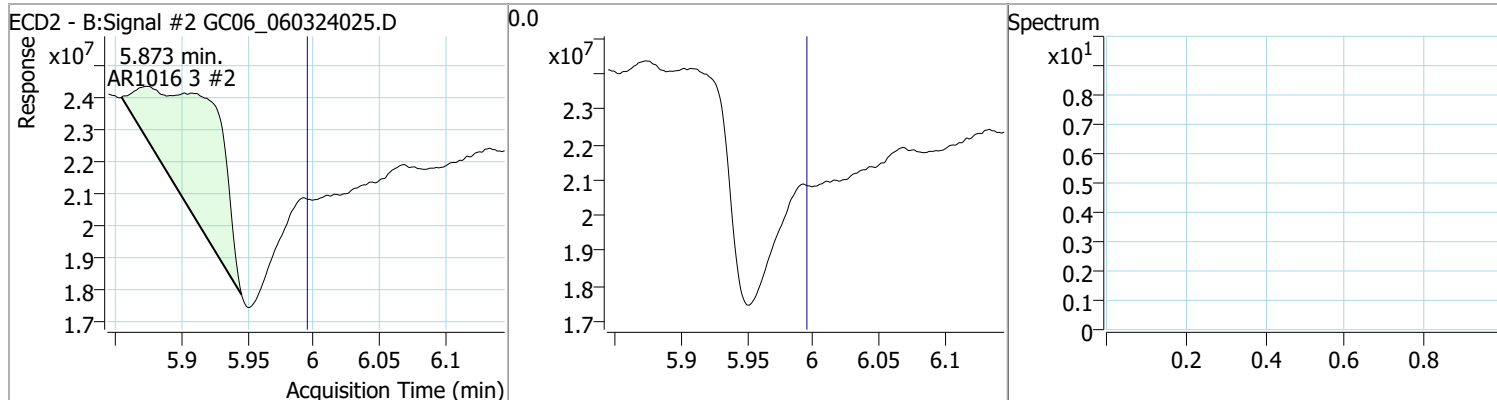


Quantitation Results Report (Not Reviewed)

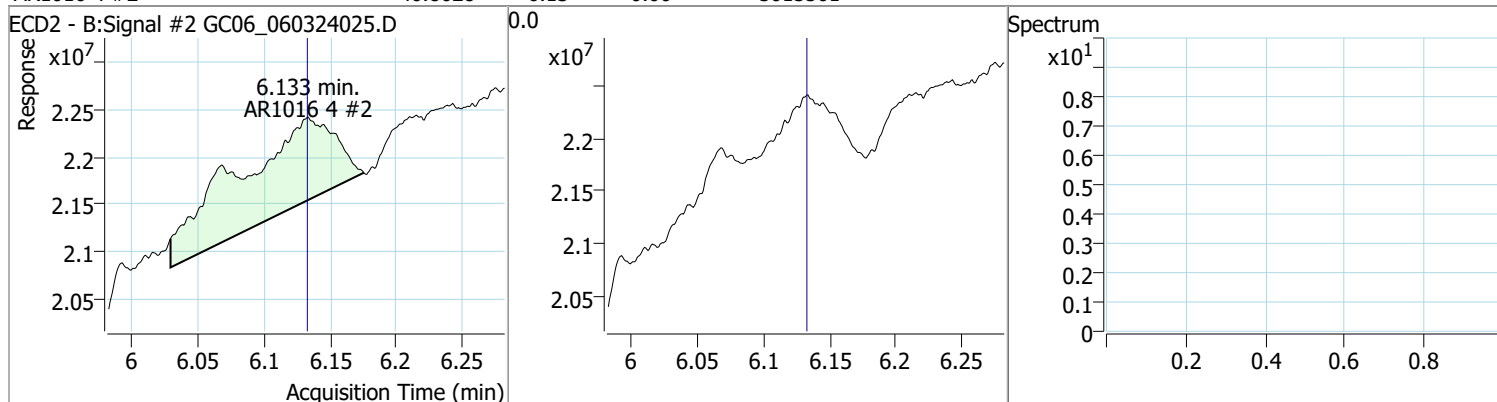
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	82.6068	5.99	0.01	1081527				



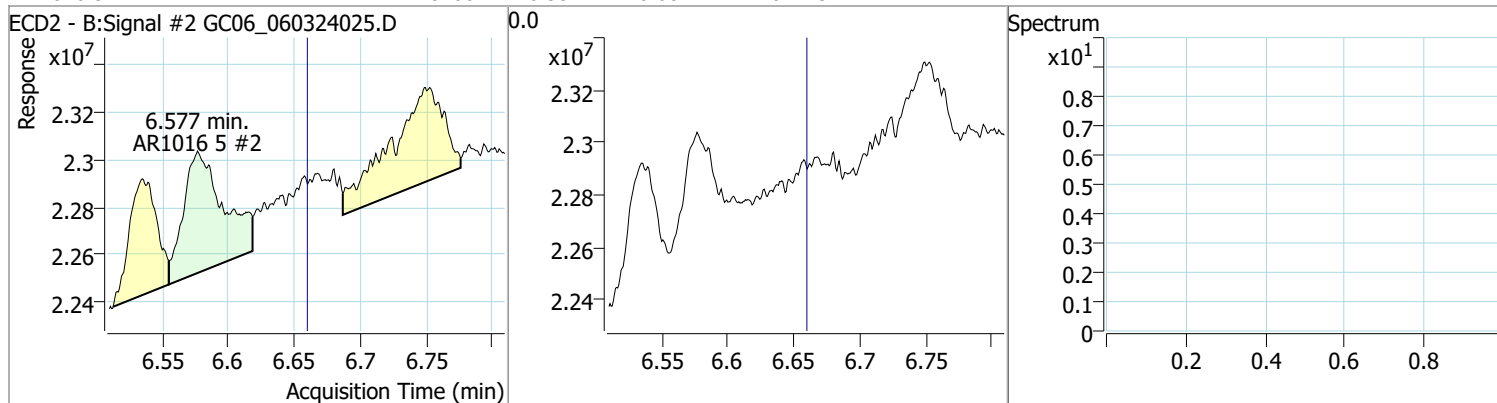
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	94.8306	5.87	-0.12	13817028				



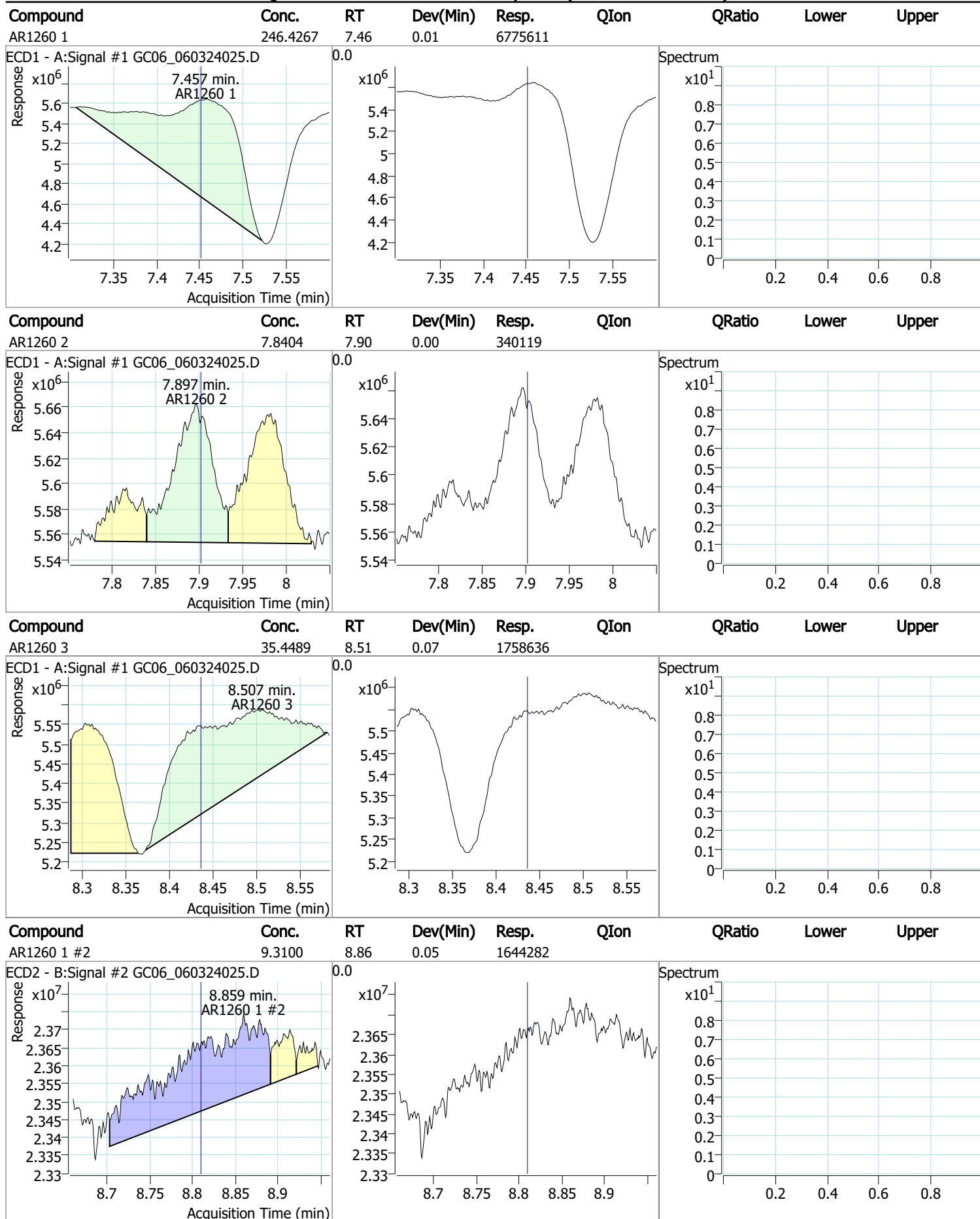
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	46.8028	6.13	0.00	5015561				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	11.8466	6.58	-0.08	1074734				

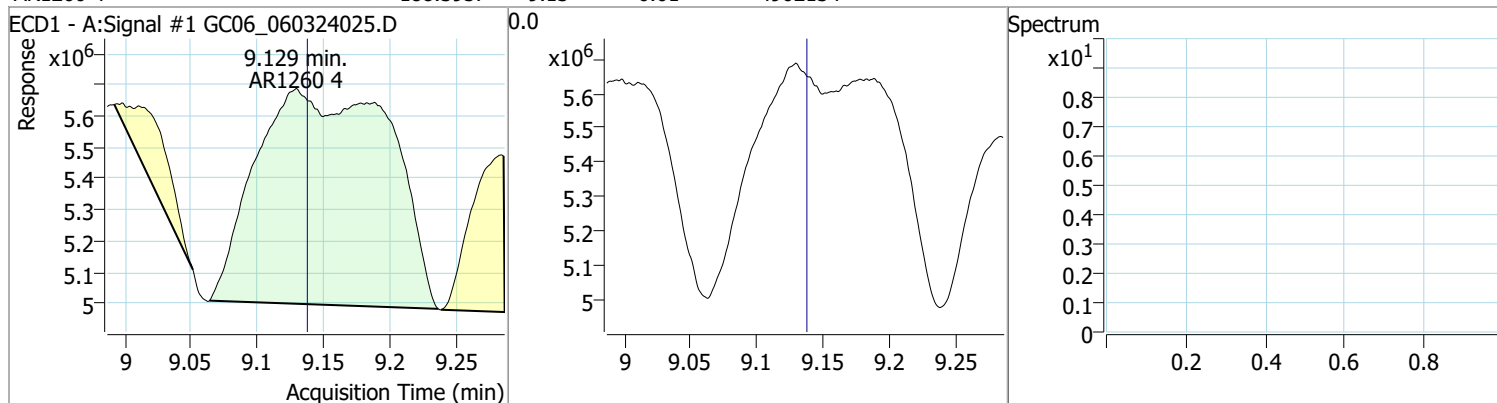


Quantitation Results Report (Not Reviewed)

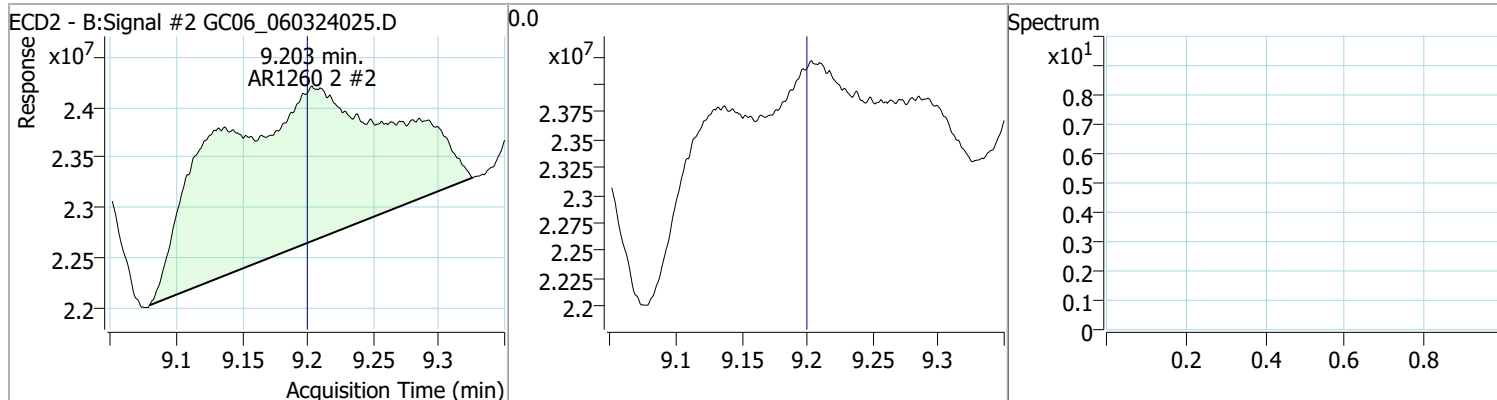


Quantitation Results Report (Not Reviewed)

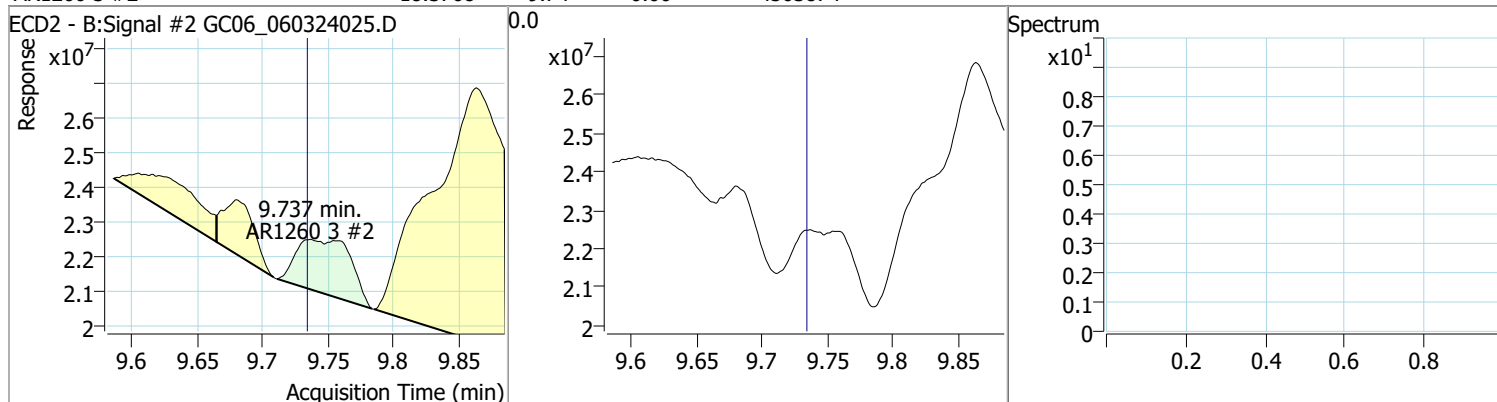
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	188.3957	9.13	-0.01	4902134				



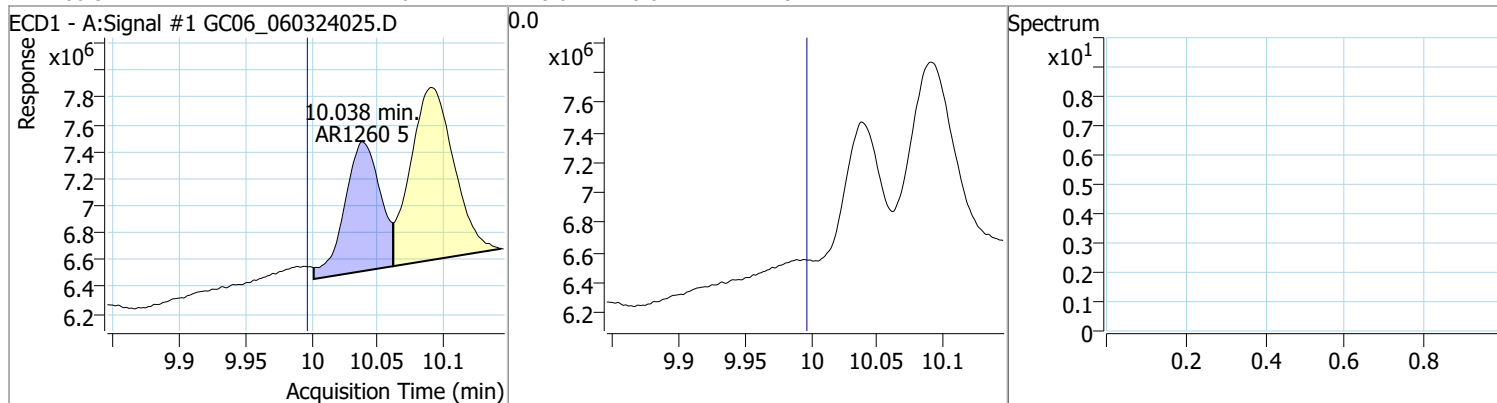
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	73.8742	9.20	0.00	14826739				



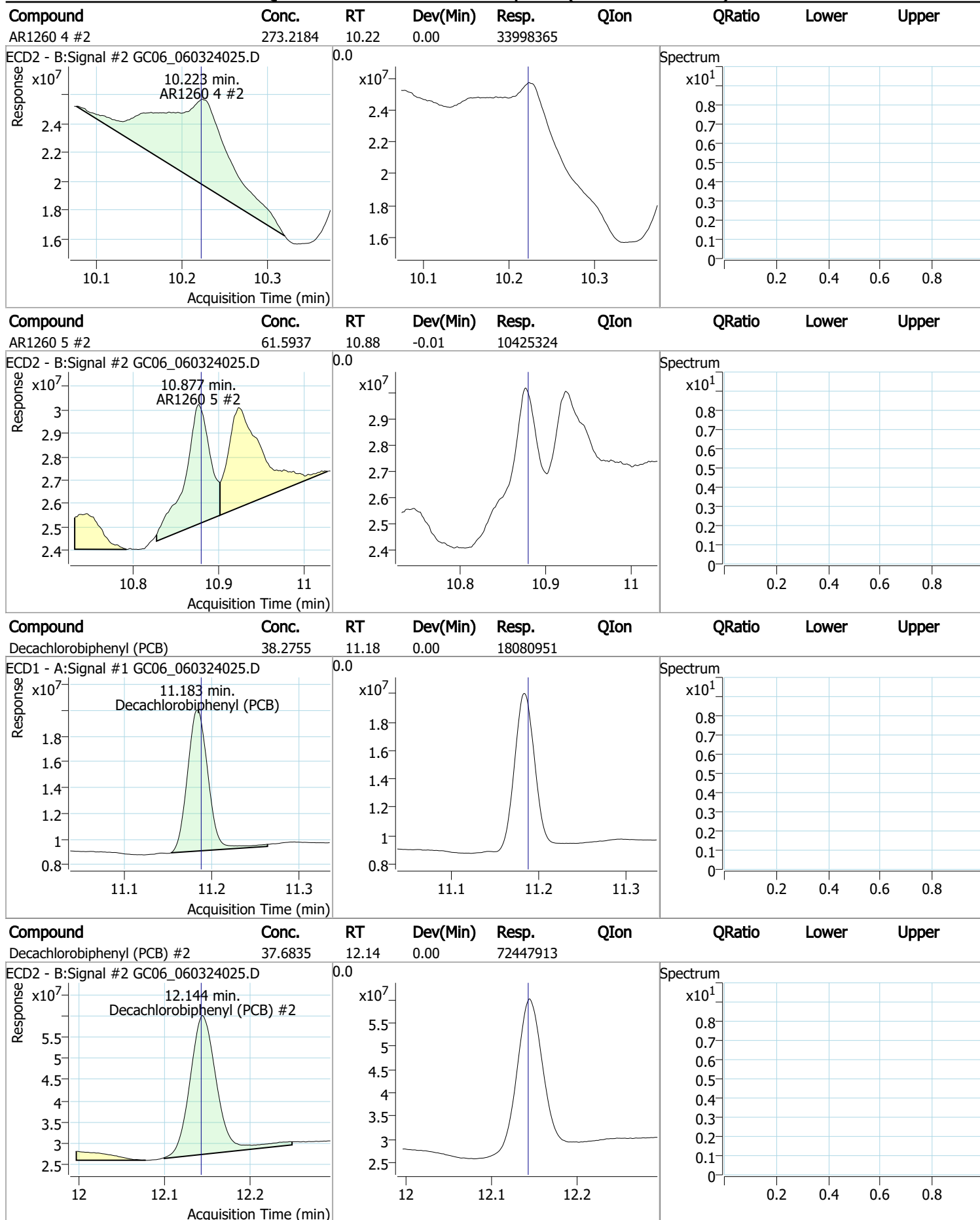
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	18.3768	9.74	0.00	4503874				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	61.1777	10.04	0.04	1787241				



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-008	Client ID: DOOR-S-15.3GE-DG-12 TO 26-240530-P-DUP-LA
Seqnum: 454224018026	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324026	Batch: 341640	Time: 03-JUN-2024 21:10
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	48.53	ND	1.5	103%	0.50		u
Aroclor-1016 Peak # 1	B	133.6	1.34	1.26	6%			
Aroclor-1016 Peak # 2	B	9.120	0.09	0.25	93%			
Aroclor-1016 Peak # 3	B	85.54	0.86	4.62	138%			
Aroclor-1016 Peak # 4	B	6.909	0.07	0.41	143%			
Aroclor-1016 Peak # 5	B	7.496	0.07	1.03	173%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	28.82	ND	1.0	113%	0.50		u
Aroclor-1260 Peak # 1	B	4.121	0.04	2.47	193%			
Aroclor-1260 Peak # 2	B	75.99	0.76	0.04	182%			
Aroclor-1260 Peak # 3	B	18.59	0.19	0.36	64%			
Aroclor-1260 Peak # 4	B	5.475	0.05	1.95	189%			
Aroclor-1260 Peak # 5	B	39.94	0.40	0.33	19%			
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	44.28	0.5000	0.4428	89	19-121	u
Decachlorobiphenyl (PCB)	B	40.34	0.5000	0.4034	81	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	53562855	5.59
1-bromo-2-nitrobenzene (PCB)	A	9322089	8844836	-5.12

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

06/04/24 : WIPE/1S-10ML

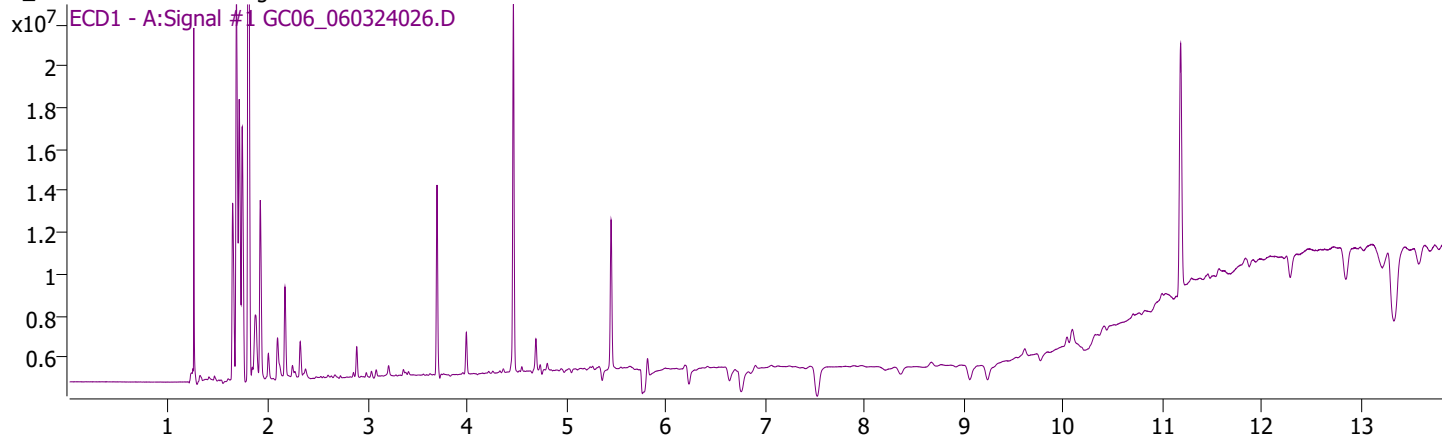
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Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

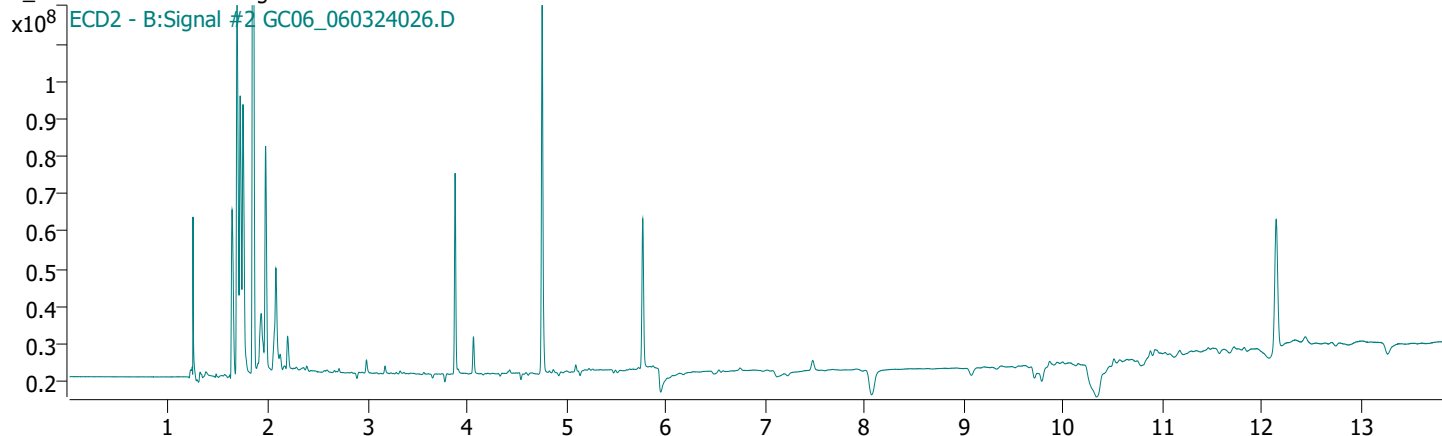
Quantitation Results Report (Not Reviewed)

Data File	GC06_060324026.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 9:10:26 PM
Sample Name	509117-008, 341640, 1	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			

GC06_060324026.D No MS Signals



GC06_060324026.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	8844835.570	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	53562854.955	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.467	0.0	17477464.910	42.7529	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.76%	*	
S TCMX (PCB) #2	4.757	0.0	104535730.655	44.2815	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.41%	*	
S Decachlorobiphenyl (PCB)	11.183	0.0	19937160.798	41.7923	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.96%	*	
S Decachlorobiphenyl (PCB) #2	12.143	0.0	78034269.809	40.3403	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.70%	*	

Target Compounds

GC06_060324026.D

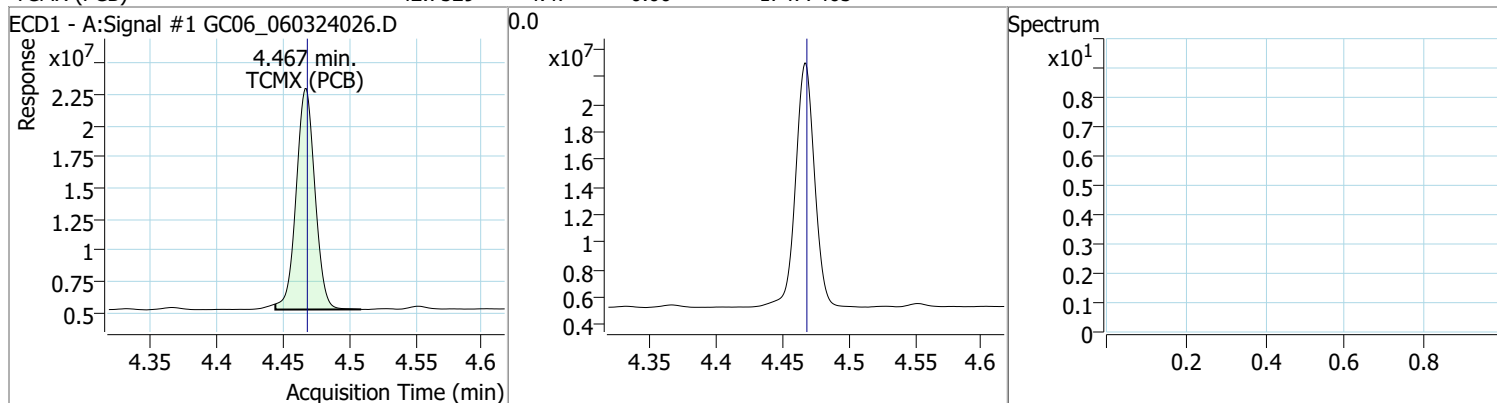
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.808	0.0	1090331.44 0	125.5986	ng/ml	100
T AR1016 2	5.089	0.0	423032.064	24.9514	ng/ml	100
T AR1016 1 #2	5.228	0.0	7202226.01 6	133.5952	ng/ml	100
T AR1016 3	5.450	0.0	10055571.8 29	435.8008	ng/ml	100
T AR1016 2 #2	5.546	0.0	1031480.16 4	9.1200	ng/ml	100
T AR1016 4	5.638	0.0	576998.478	41.4977	ng/ml	100
T AR1016 5	6.000	0.0	1357560.07 7	102.6766	ng/ml	100
T AR1016 3 #2	5.873	0.0	12539721.3 14	85.5363	ng/ml	100
T AR1016 4 #2	6.246	0.0	744934.860	6.9088	ng/ml	100
T AR1016 5 #2	6.580	0.0	684210.650	7.4957	ng/ml	100
T AR1260 1	7.455	0.0	6857205.92 1	246.9564	ng/ml	100
T AR1260 2	7.891	0.0	158908.758	3.6273	ng/ml	100
T AR1260 3	8.528	0.0	1806811.21 0	36.0640	ng/ml	100
T AR1260 1 #2	8.828	0.0	732330.947	4.1210	ng/ml	100
T AR1260 4	9.171	0.0	5125767.28 2	195.0645	ng/ml	100
T AR1260 2 #2	9.207	0.0	15345752.5 96	75.9913	ng/ml	100
T AR1260 3 #2	9.740	0.0	4584252.73 1	18.5900	ng/ml	100
T AR1260 5	10.039	0.0	975128.846	33.0526	ng/ml	100
T AR1260 4 #2	10.078	0.0	685431.602	5.4745	ng/ml	100
T AR1260 5 #2	10.878	0.0	6801276.66 6	39.9361	ng/ml	100

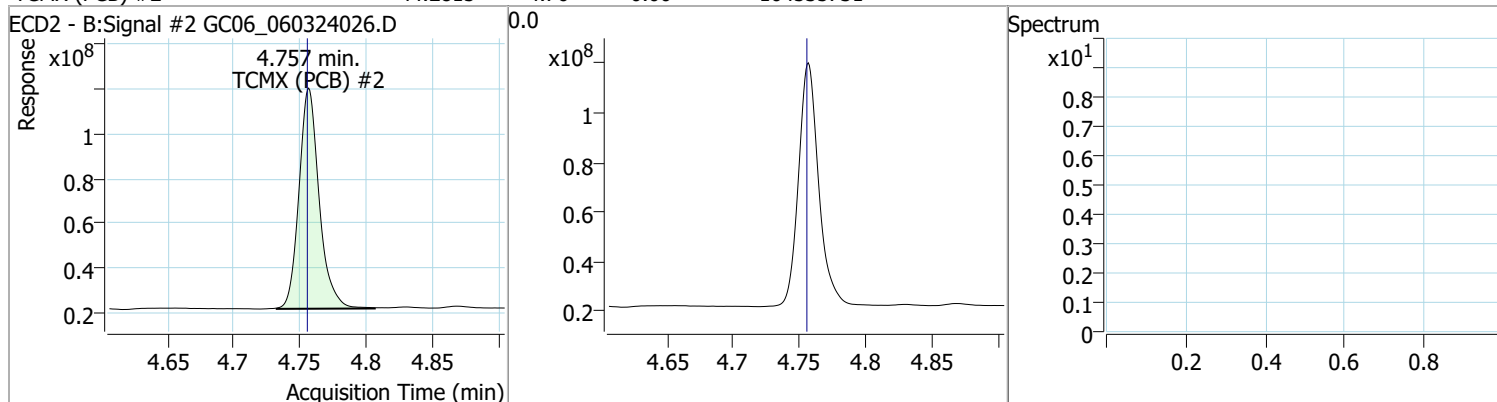
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

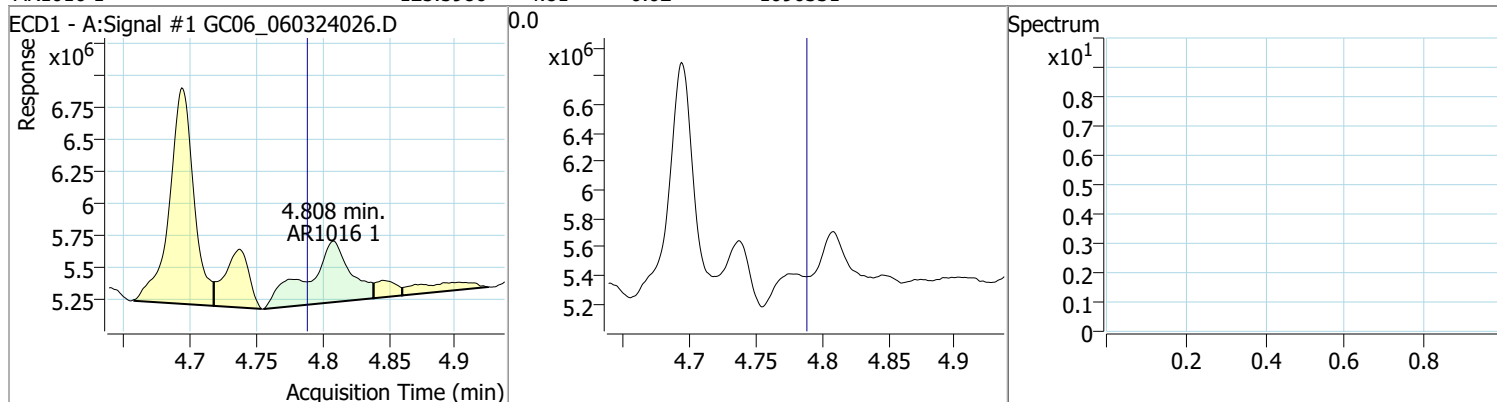
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.7529	4.47	0.00	17477465				



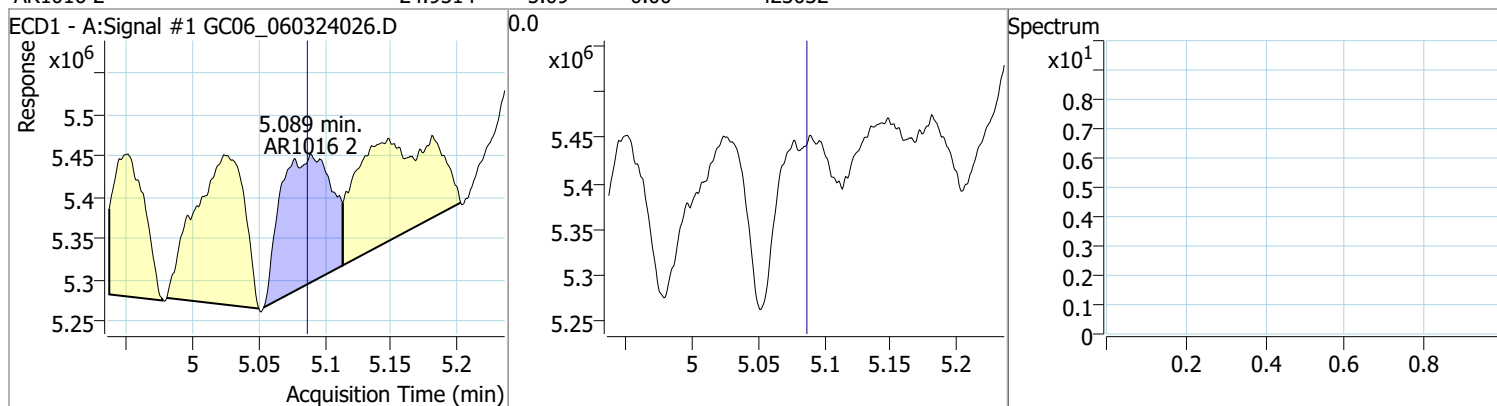
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.2815	4.76	0.00	104535731				



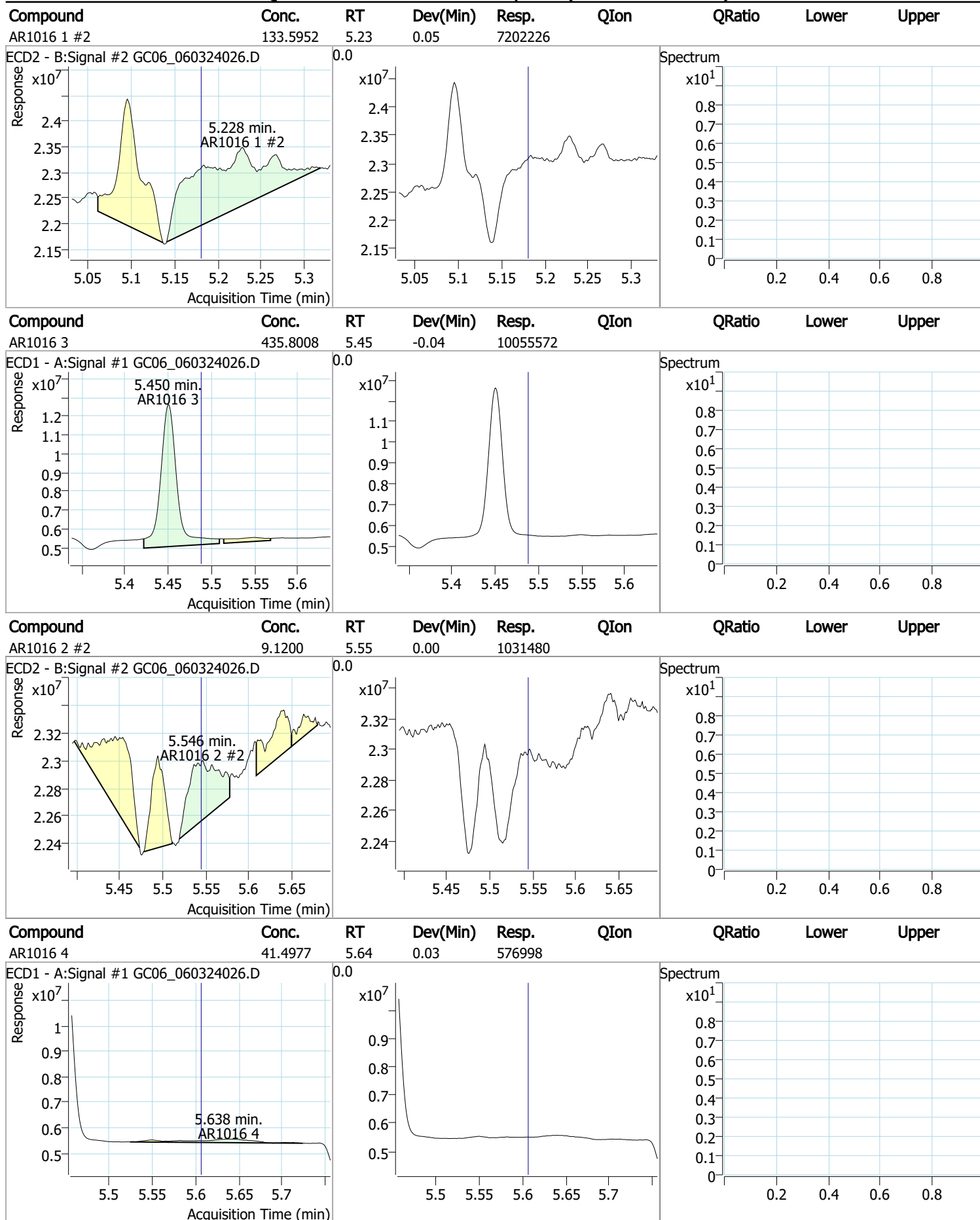
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	125.5986	4.81	0.02	1090331				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.9514	5.09	0.00	423032				

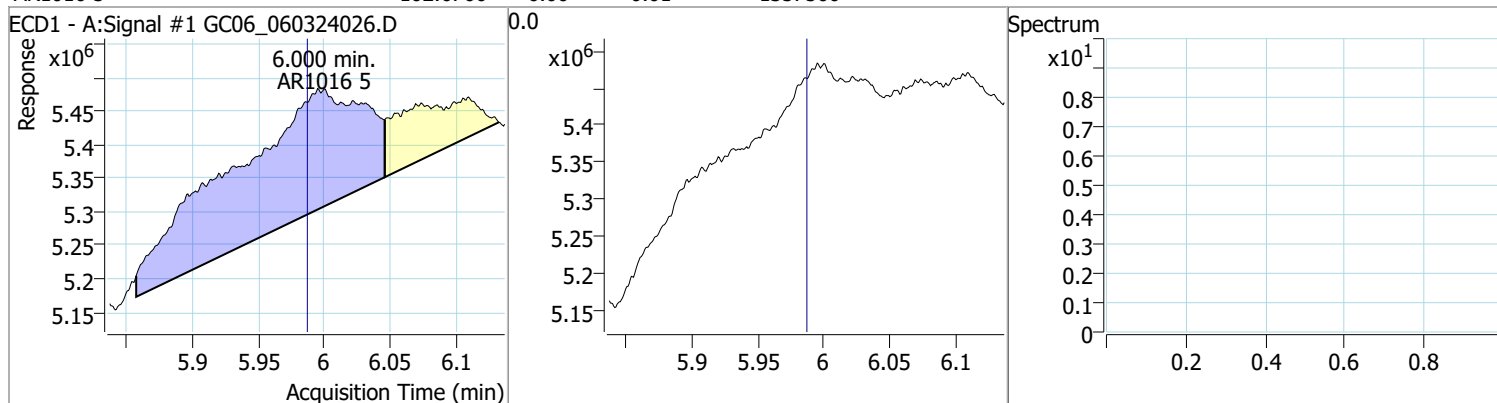


Quantitation Results Report (Not Reviewed)

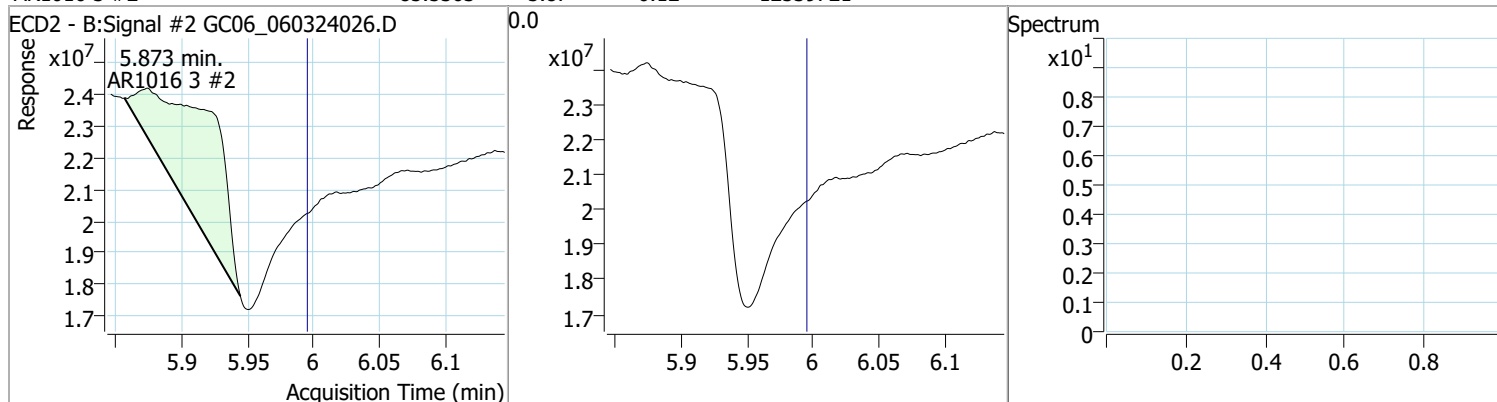


Quantitation Results Report (Not Reviewed)

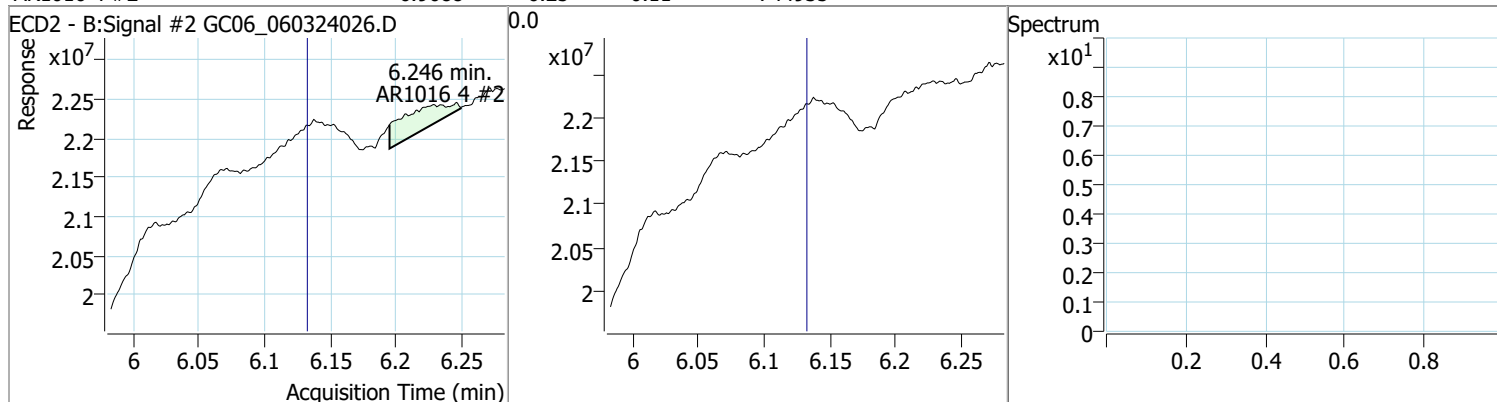
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	102.6766	6.00	0.01	1357560				



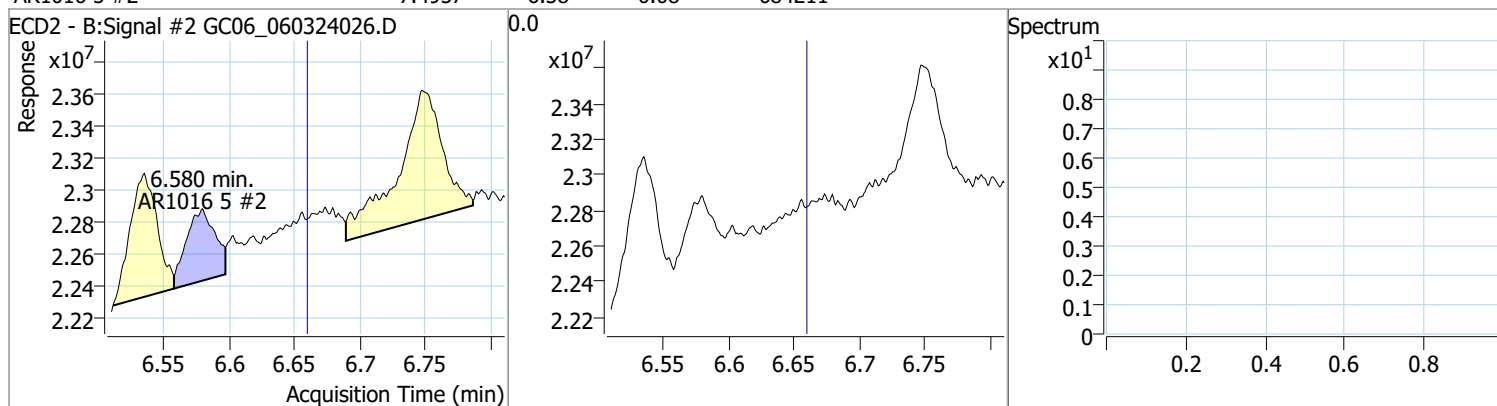
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	85.5363	5.87	-0.12	12539721				



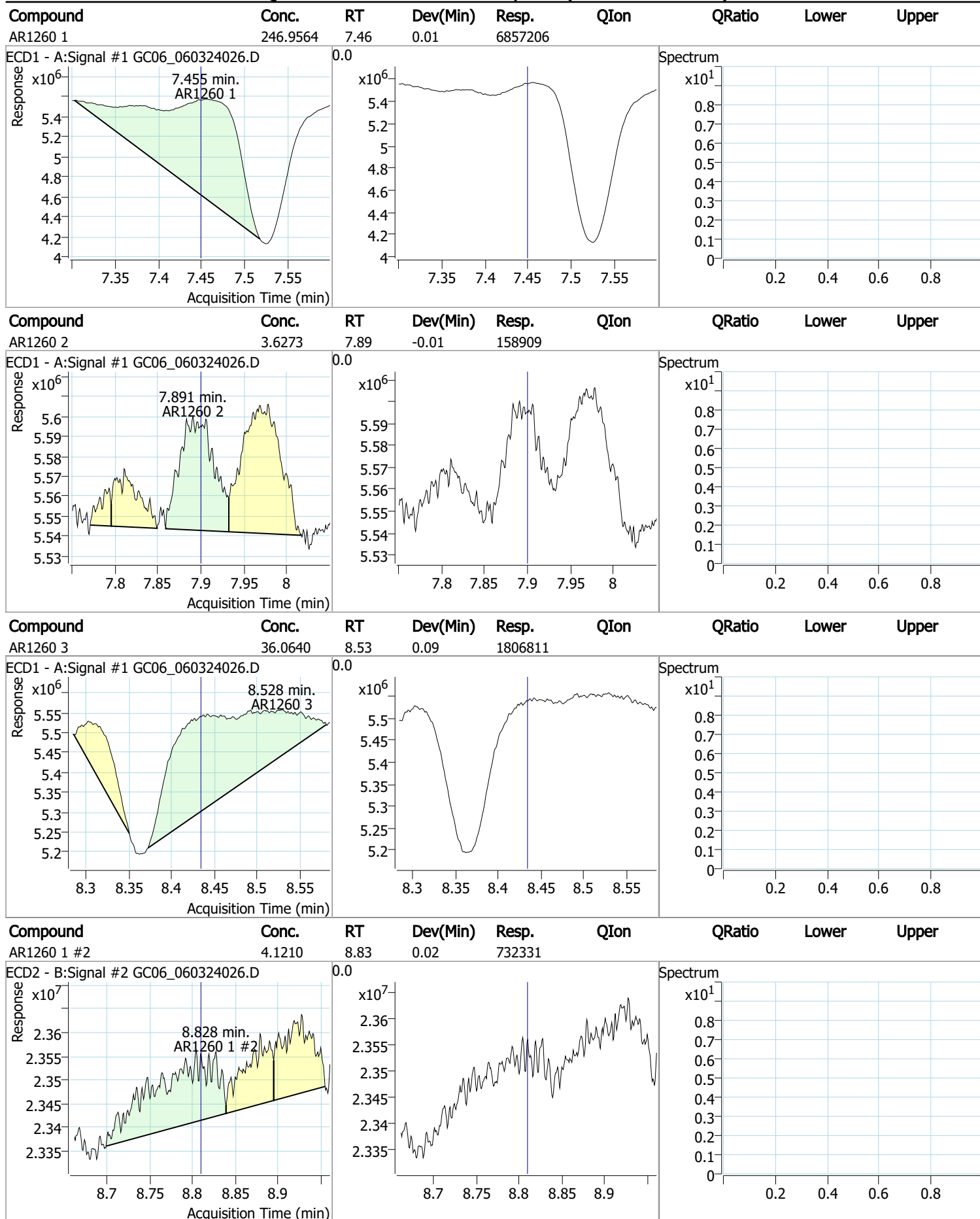
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	6.9088	6.25	0.11	744935				



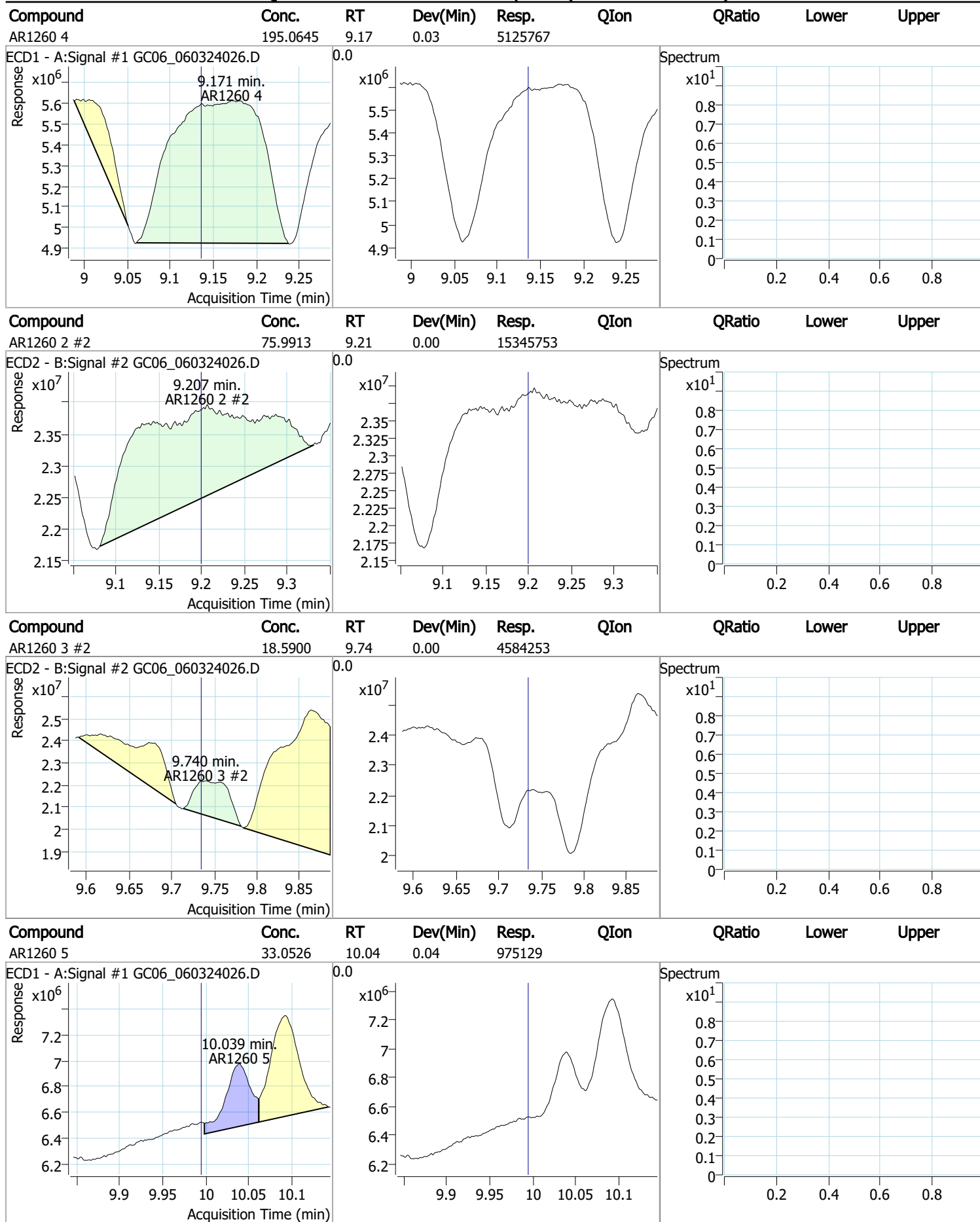
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	7.4957	6.58	-0.08	684211				



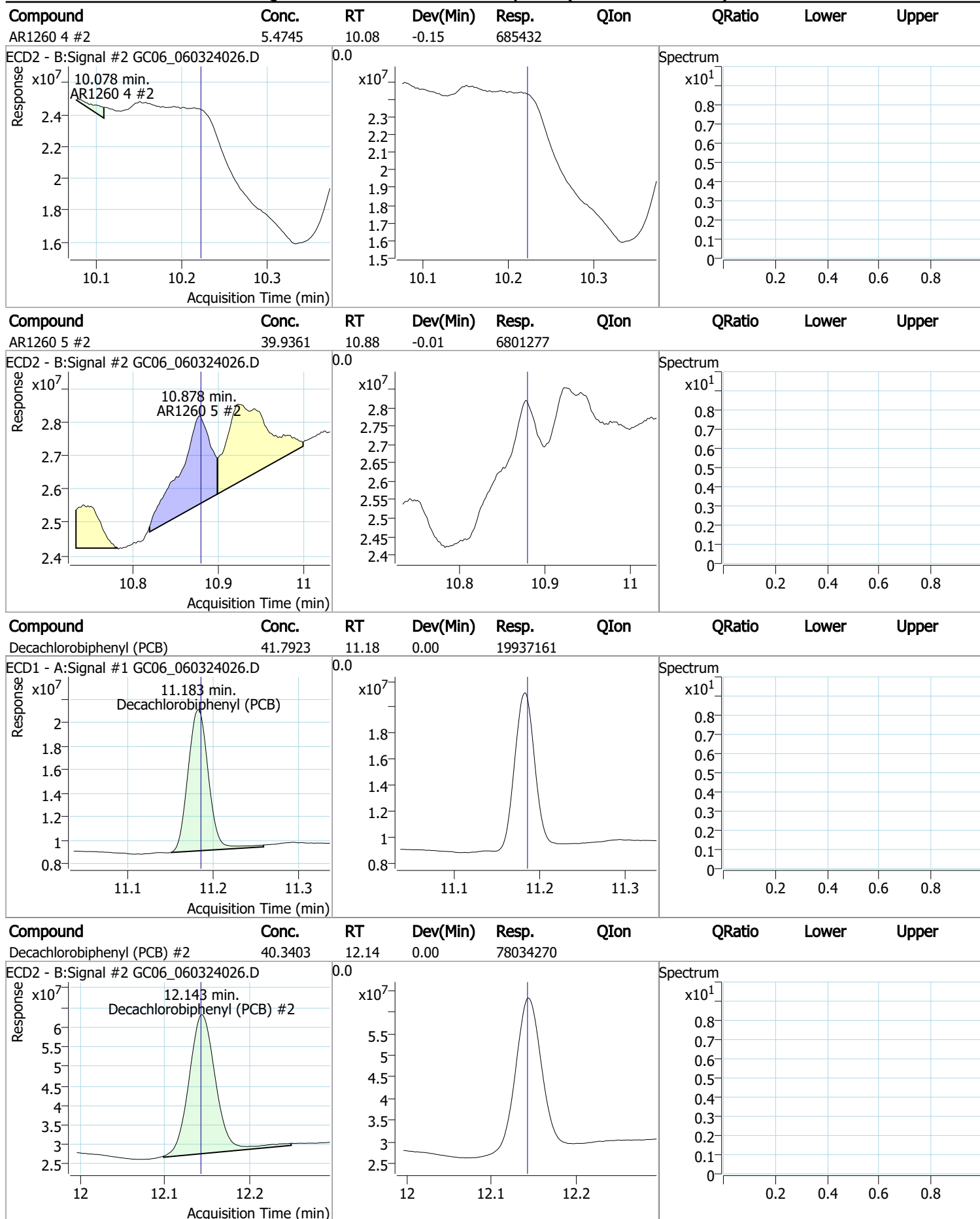
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-010	Client ID: DOOR-S-15.5GE-DG-12 TO 26-240530-P-LA
Seqnum: 454224018027	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324027	Batch: 341640	Time: 03-JUN-2024 21:28
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	55.52	0.56 ^{FP}	1.8	105%	0.50		X U
Aroclor-1016 Peak # 1	B	152.2	1.52	1.31	15%			
Aroclor-1016 Peak # 2	B	11.13	0.11	0.26	79%			
Aroclor-1016 Peak # 3	B	96.18	0.96	5.36	139%			
Aroclor-1016 Peak # 4	B	9.521	0.10	0.59	144%			
Aroclor-1016 Peak # 5	B	8.613	0.09	1.44	177%			
Aroclor-1221	B		ND			0.50		U
Aroclor-1232	B		ND			0.50		U
Aroclor-1242	B		ND			0.50		U
Aroclor-1248	B		ND			0.50		U
Aroclor-1254	B		ND			0.50		U
Aroclor-1260	B	31.81	ND	1.1	110%	0.50		U
Aroclor-1260 Peak # 1	B	0.4835	0.00	2.69	199%			
Aroclor-1260 Peak # 2	B	78.39	0.78	0.05	176%			
Aroclor-1260 Peak # 3	B	19.34	0.19	0.36	60%			
Aroclor-1260 Peak # 4	B	1.314	0.01	1.95	197%			
Aroclor-1260 Peak # 5	B	59.51	0.60	0.45	28%			
Aroclor-1262	B		ND			0.50		U
Aroclor-1268	B		ND			0.50		U

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	42.85	0.5000	0.4285	86	19-121	U
Decachlorobiphenyl (PCB)	B	42.55	0.5000	0.4255	85	19-121	U

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	48724538	-3.95
1-bromo-2-nitrobenzene (PCB)	A	9322089	7880398	-15.47

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

06/04/24 : WIPE/1S-10ML

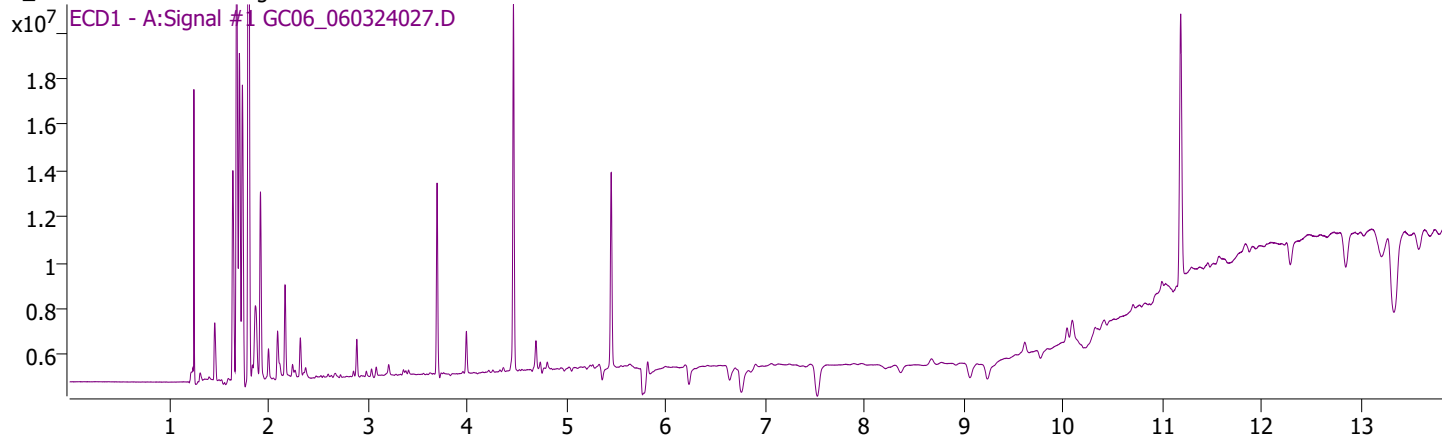
u=use x=false positive

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

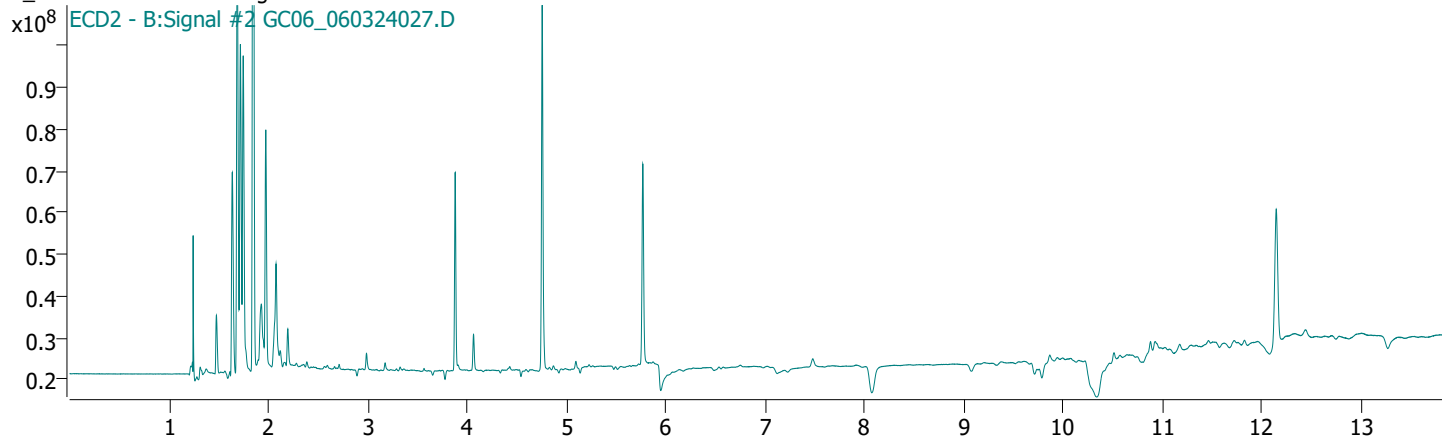
Quantitation Results Report (Not Reviewed)

Data File	GC06_060324027.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 9:28:59 PM
Sample Name	509117-010, 341640, 1	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			

GC06_060324027.D No MS Signals



GC06_060324027.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	7880397.56 1	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	48724537.5 89	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.467	0.0	15503515.8 95	42.5656	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.83%	*	
S TCMX (PCB) #2	4.756	0.0	92025886.7 19	42.8533	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.27%	*	
S Decachlorobiphenyl (PCB)	11.182	0.0	18836858.5 87	44.3183	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.59%	*	
S Decachlorobiphenyl (PCB) #2	12.143	0.0	74877219.4 23	42.5519	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.76%	*	

Target Compounds

QValue

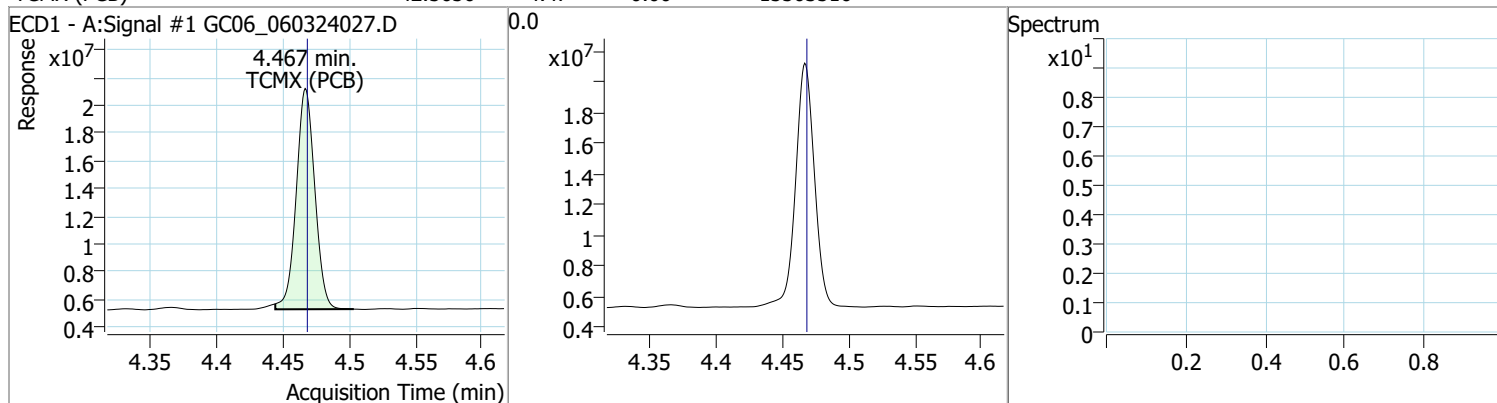
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.808	0.0	1012774.85 5	130.9425	ng/ml	100
T AR1016 2	5.084	0.0	386124.995	25.5617	ng/ml	100
T AR1016 1 #2	5.227	0.0	7462595.64 0	152.1703	ng/ml	100
T AR1016 3	5.451	0.0	10398153.2 03	505.8003	ng/ml	100
T AR1016 2 #2	5.548	0.0	1144615.16 9	11.1253	ng/ml	100
T AR1016 4	5.633	0.0	727026.219	58.6869	ng/ml	100
T AR1016 5	5.996	0.0	1695800.21 3	143.9557	ng/ml	100
T AR1016 3 #2	5.871	0.0	12826966.9 85	96.1840	ng/ml	100
T AR1016 4 #2	6.238	0.0	933828.432	9.5206	ng/ml	100
T AR1016 5 #2	6.581	0.0	715205.576	8.6132	ng/ml	100
T AR1260 1	7.453	0.0	6659438.30 3	269.1859	ng/ml	100
T AR1260 2	7.893	0.0	195637.182	5.0123	ng/ml	100
T AR1260 3	8.513	0.0	1606790.39 7	35.9966	ng/ml	100
T AR1260 1 #2	8.794	0.0	78153.596	0.4835	ng/ml	100
T AR1260 4	9.139	0.0	4565494.74 7	195.0064	ng/ml	100
T AR1260 2 #2	9.203	0.0	14400426.6 25	78.3912	ng/ml	100
T AR1260 3 #2	9.758	0.0	4337595.00 2	19.3364	ng/ml	100
T AR1260 5	10.038	0.0	1185555.19 8	45.1032	ng/ml	100
T AR1260 4 #2	10.079	0.0	149707.977	1.3144	ng/ml	100
T AR1260 5 #2	10.878	0.0	9218972.01 8	59.5078	ng/ml	100

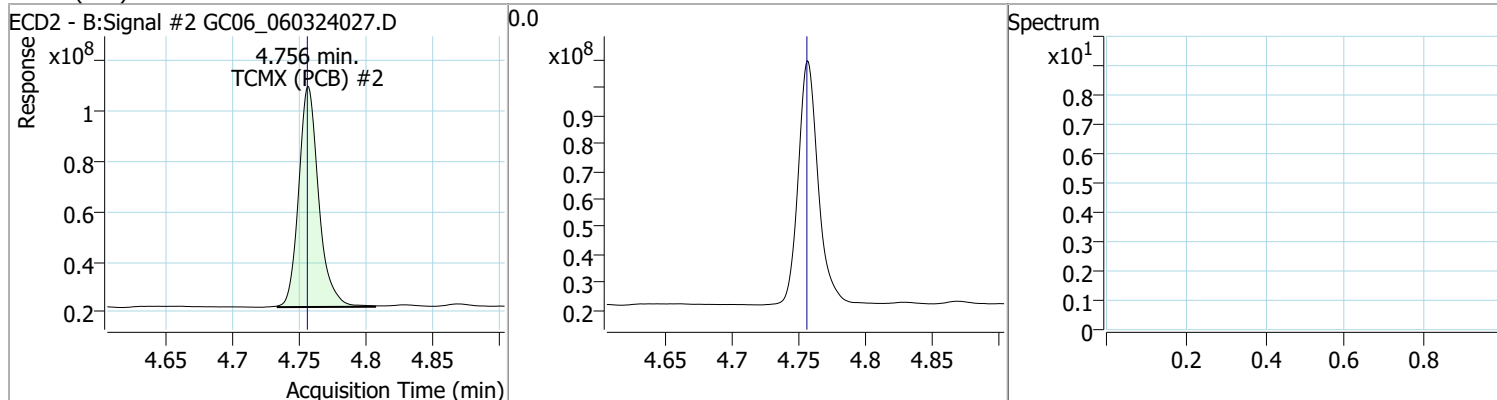
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

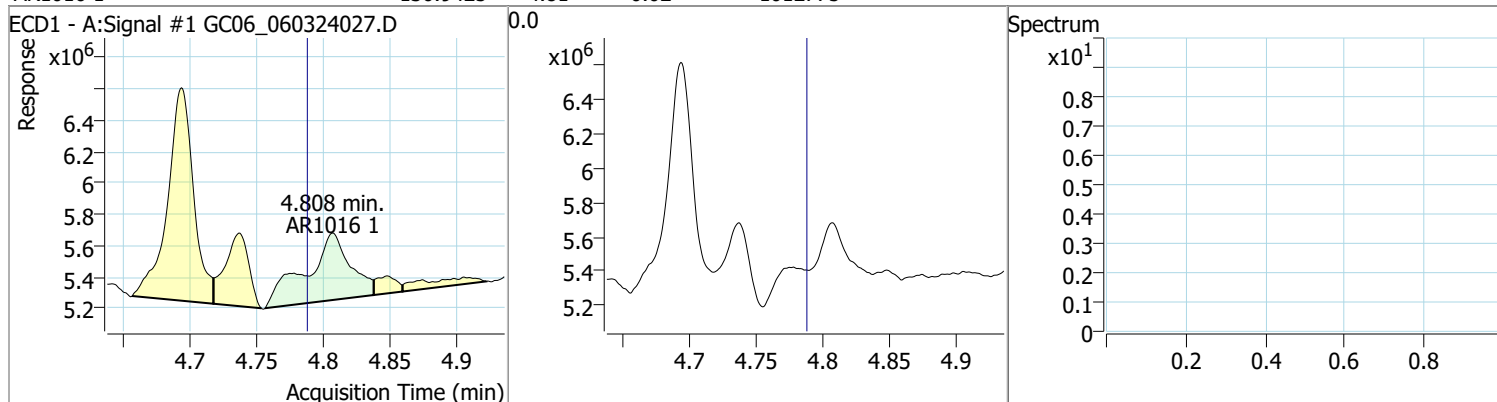
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.5656	4.47	0.00	15503516				



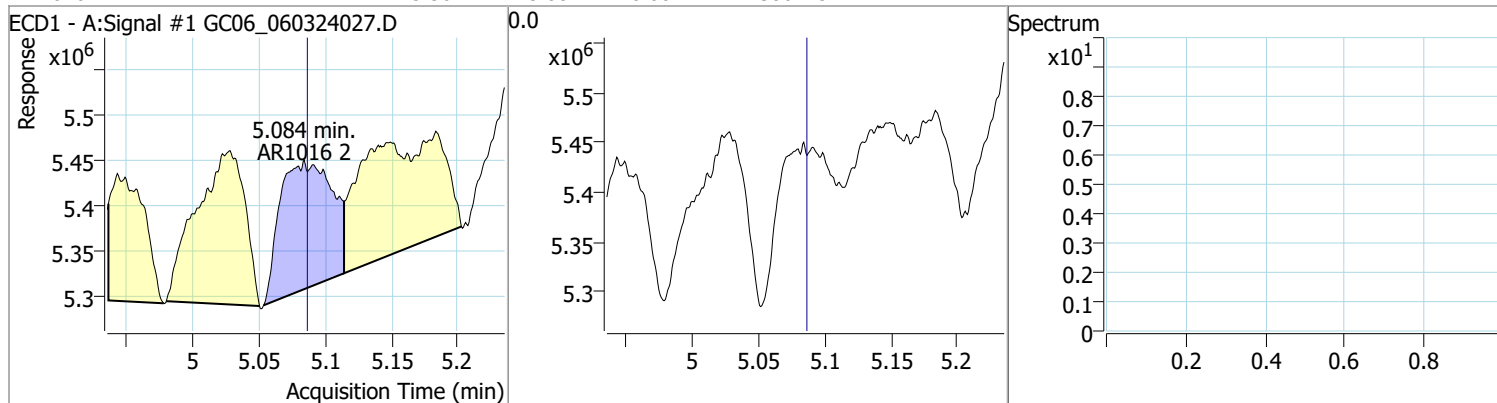
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.8533	4.76	0.00	92025887				



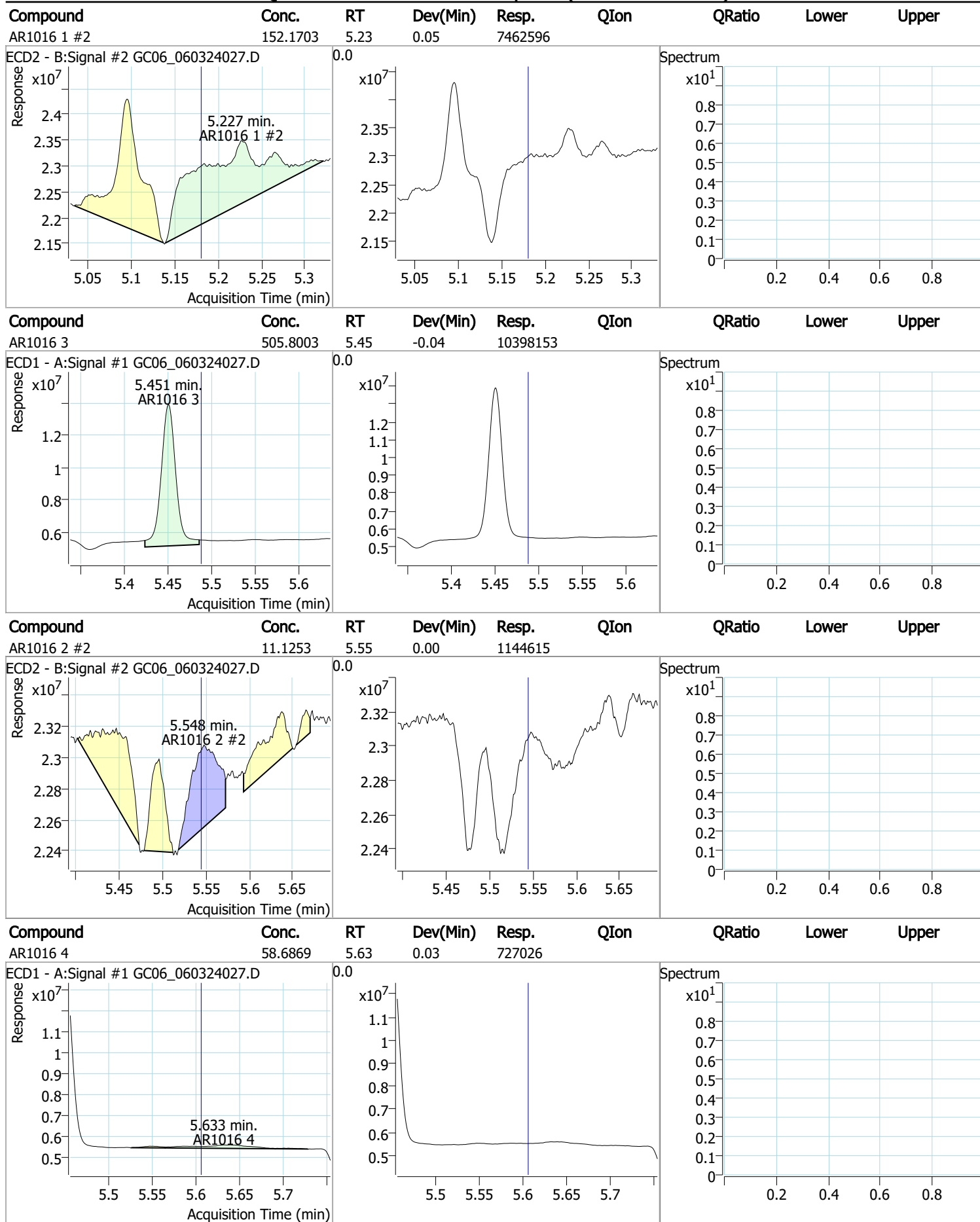
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	130.9425	4.81	0.02	1012775				



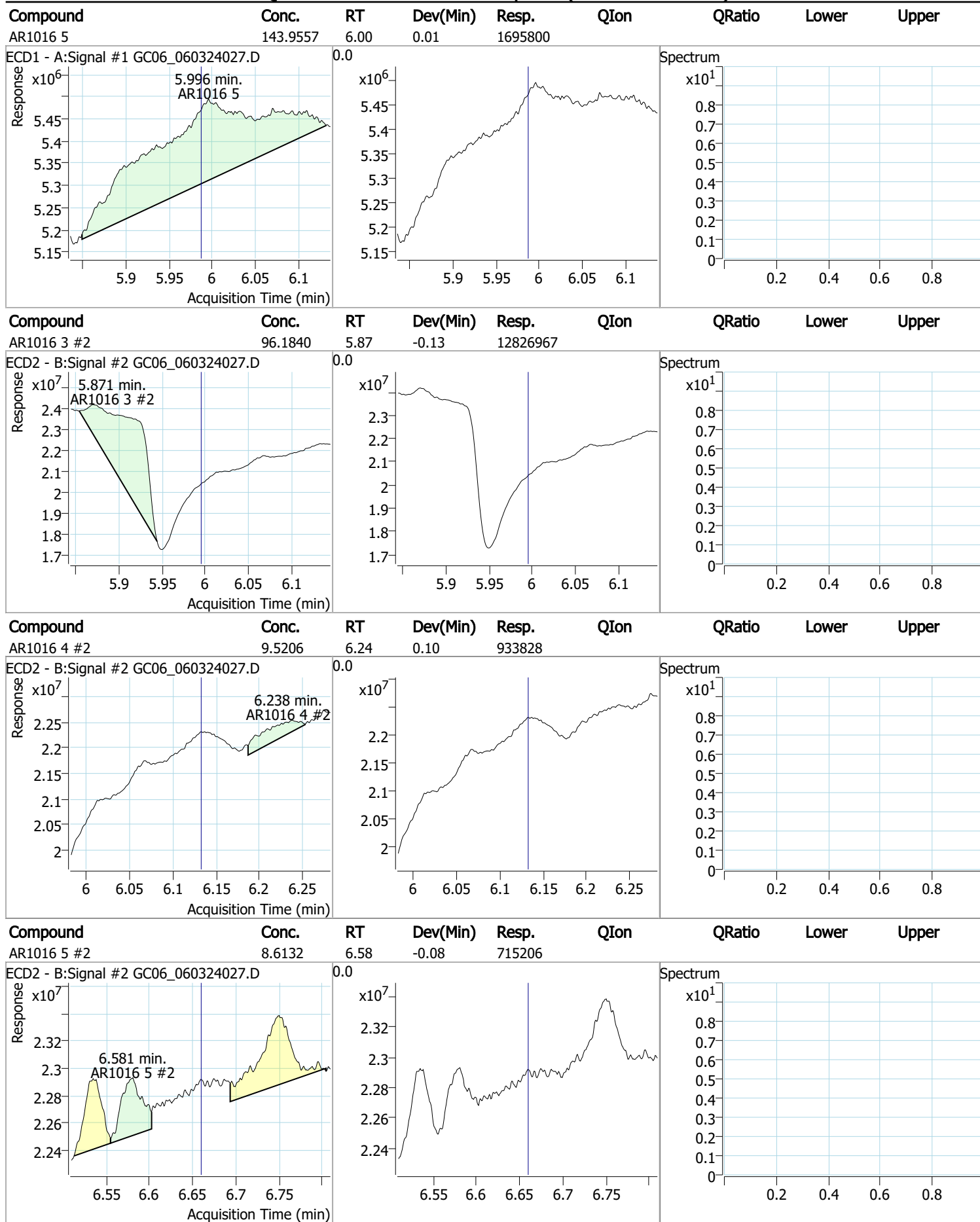
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.5617	5.08	0.00	386125				



Quantitation Results Report (Not Reviewed)



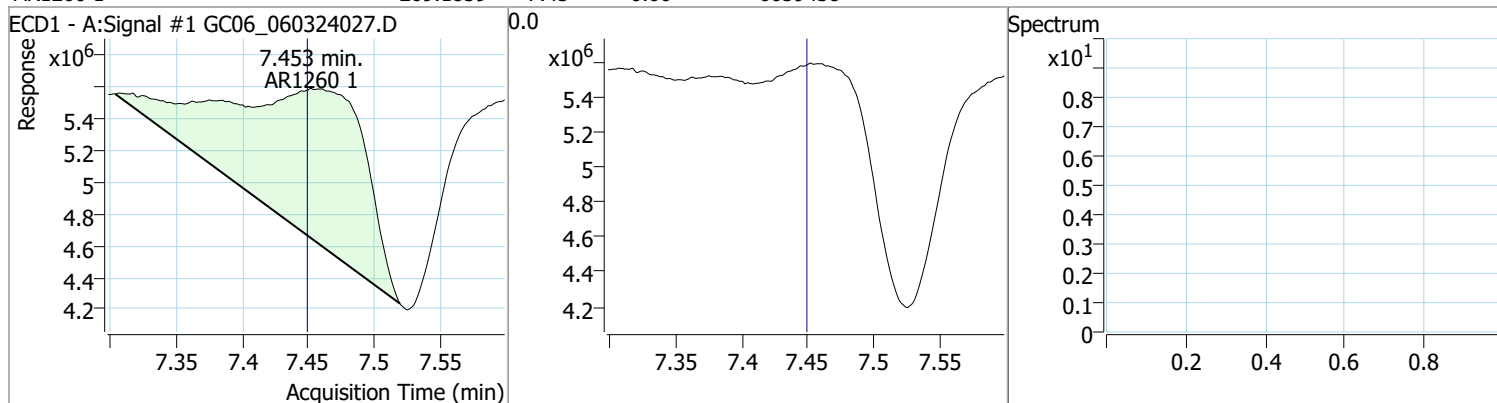
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

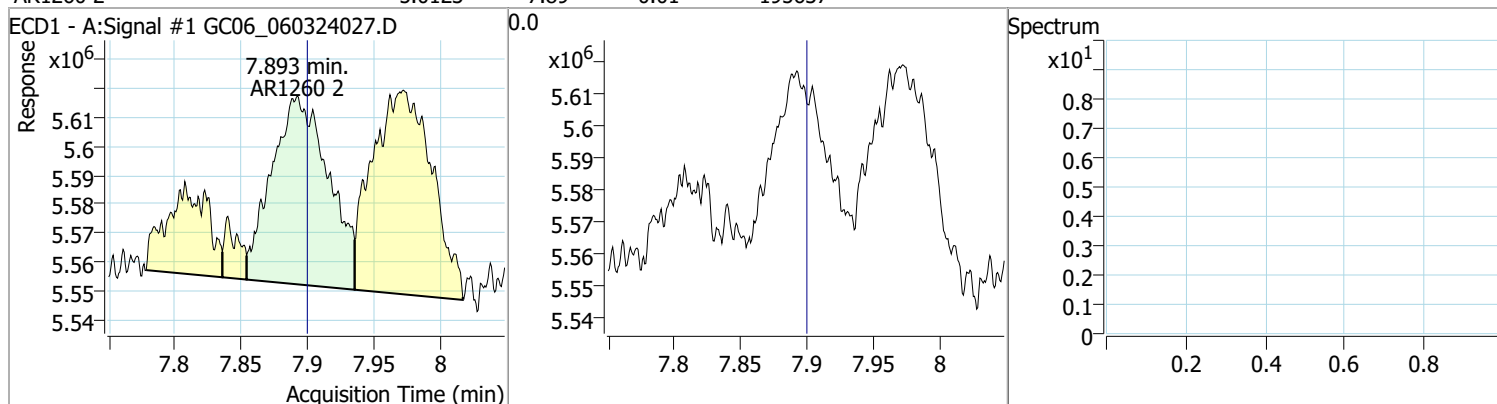
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 269.1859 7.45 0.00 6659438



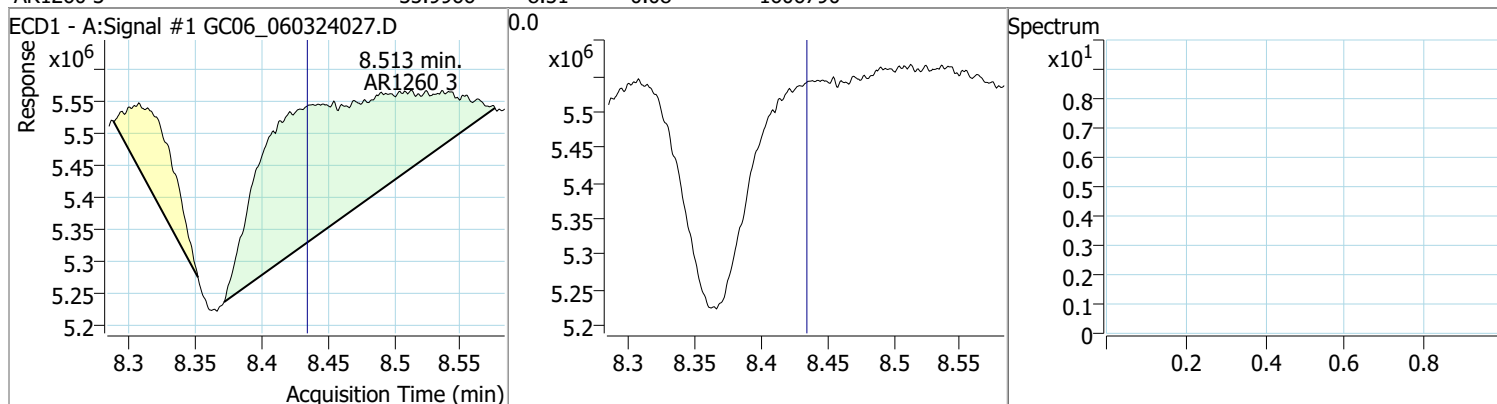
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 5.0123 7.89 -0.01 195637



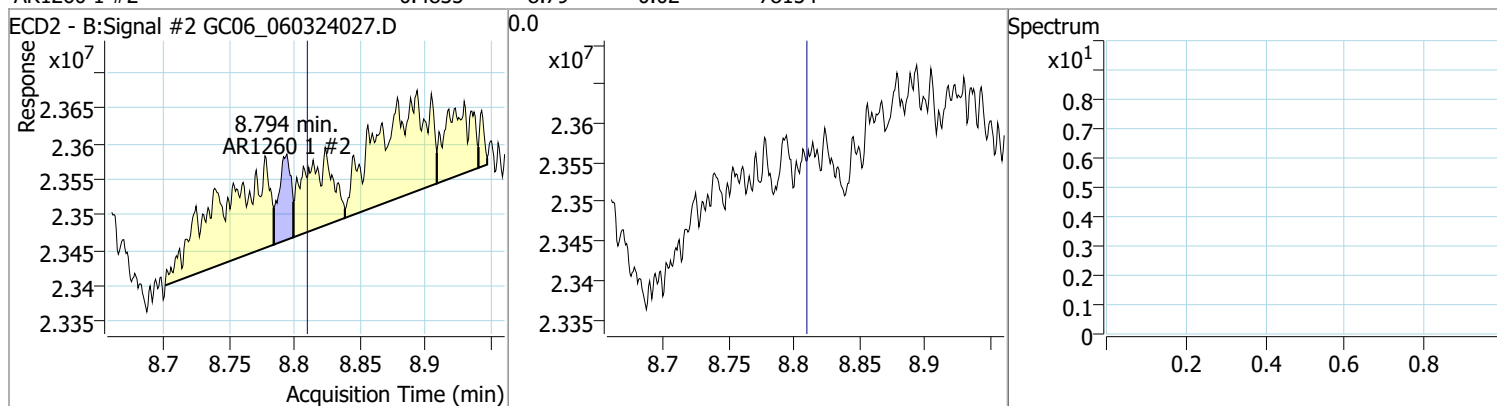
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 35.9966 8.51 0.08 1606790

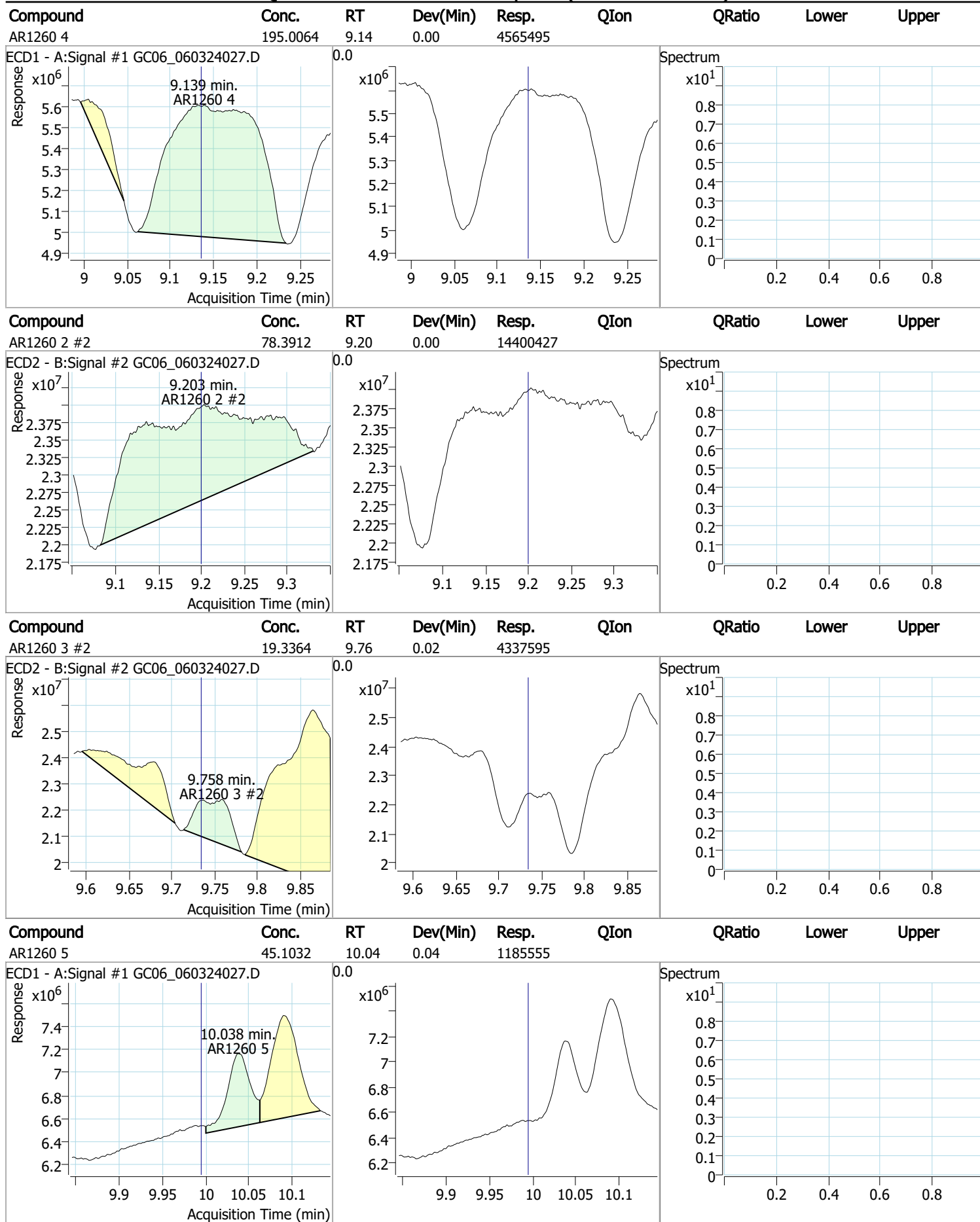


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 #2 0.4835 8.79 -0.02 78154

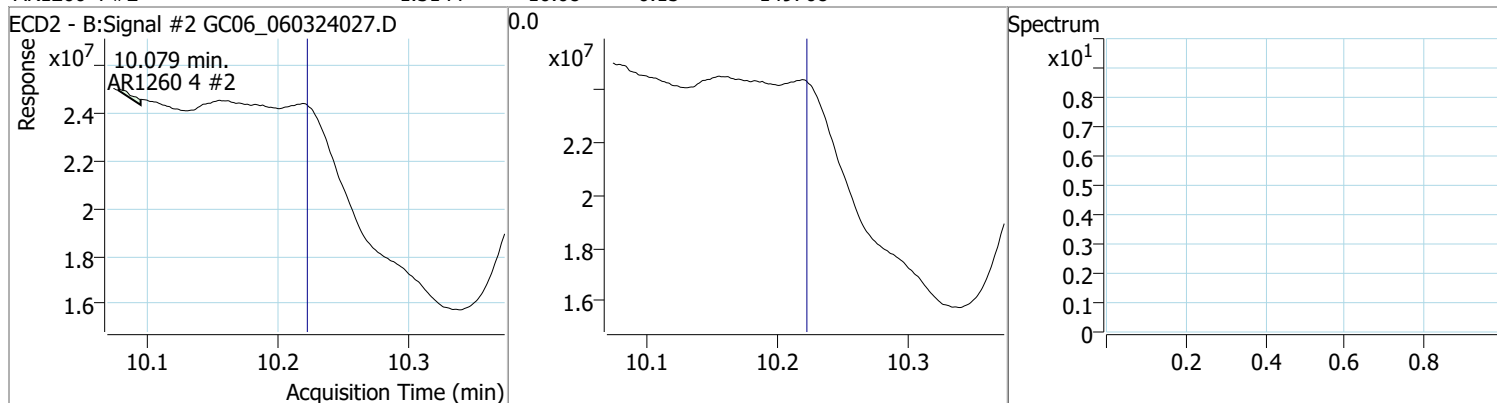


Quantitation Results Report (Not Reviewed)

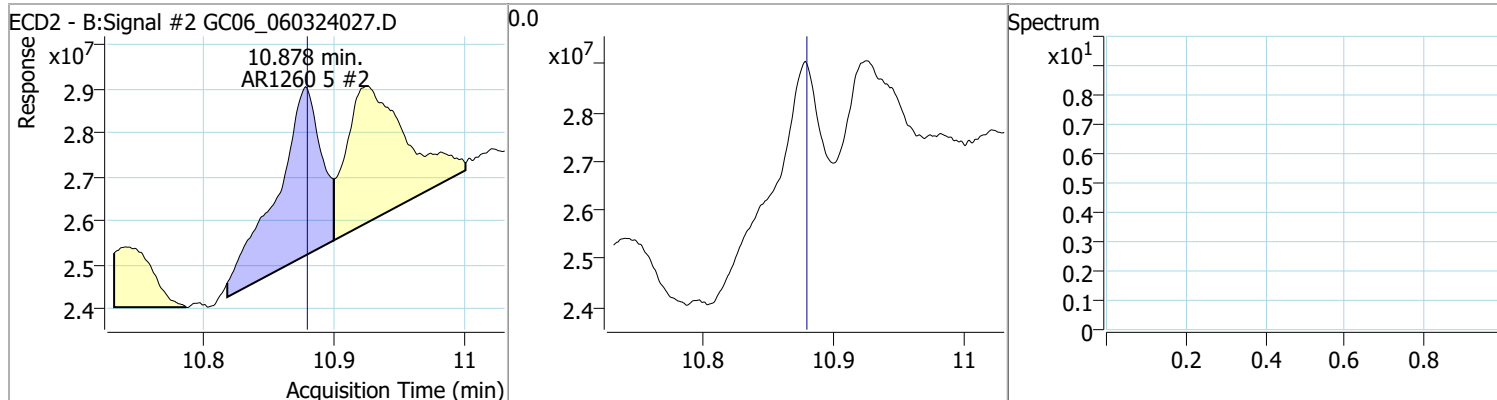


Quantitation Results Report (Not Reviewed)

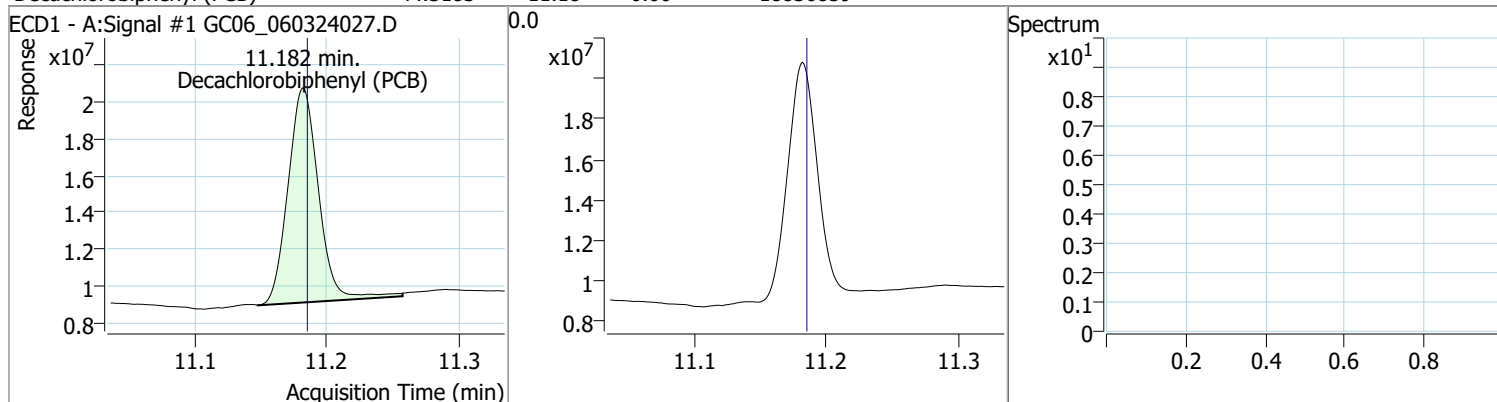
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.3144	10.08	-0.15	149708				



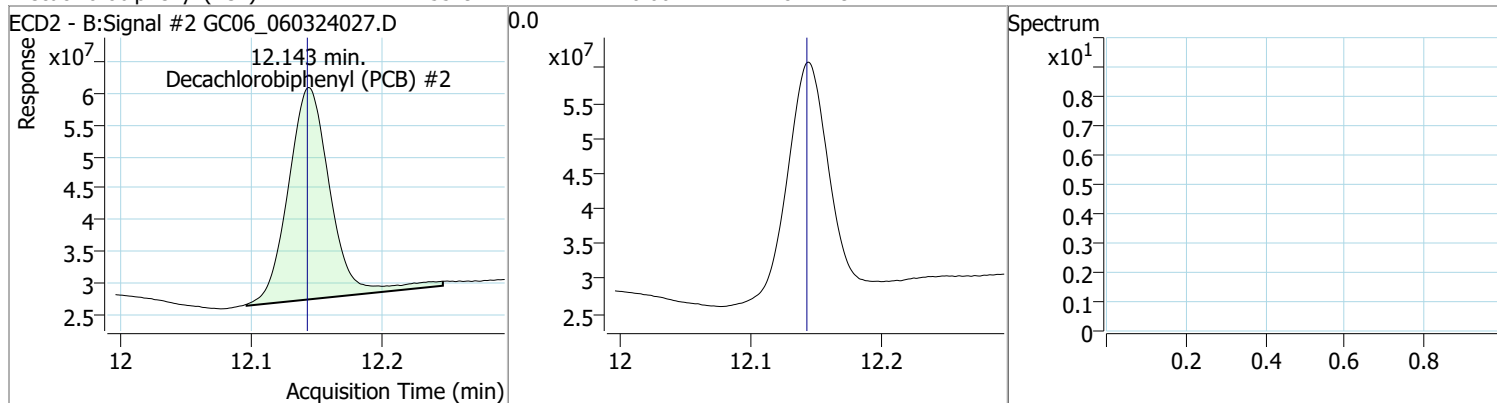
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	59.5078	10.88	0.00	9218972				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.3183	11.18	0.00	18836859				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.5519	12.14	0.00	74877219				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-012	Client ID: DOOR-S-15.9GE-INT-26 TO 27-240530-P-CB
Seqnum: 454224018028	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324028	Batch: 341640	Time: 03-JUN-2024 21:47
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	54.46	0.54 ^{FP}	1.5	92%	0.50		X U
Aroclor-1016 Peak # 1	B	146.8	1.47	1.30	12%			
Aroclor-1016 Peak # 2	B	14.38	0.14	0.31	73%			
Aroclor-1016 Peak # 3	B	95.84	0.96	4.45	129%			
Aroclor-1016 Peak # 4	B	0	ND	0.16				
Aroclor-1016 Peak # 5	B	15.27	0.15	1.19	154%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	29.41	ND	1.1	114%	0.50		u
Aroclor-1260 Peak # 1	B	8.489	0.08	2.60	187%			
Aroclor-1260 Peak # 2	B	72.36	0.72	0.04	178%			
Aroclor-1260 Peak # 3	B	18.42	0.18	0.35	63%			
Aroclor-1260 Peak # 4	B	4.585	0.05	2.01	191%			
Aroclor-1260 Peak # 5	B	43.17	0.43	0.36	19%			
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	45.82	0.5000	0.4582	92	19-121	u
Decachlorobiphenyl (PCB)	B	43.53	0.5000	0.4353	87	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	48243257	-4.90
1-bromo-2-nitrobenzene (PCB)	A	9322089	7905735	-15.19

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

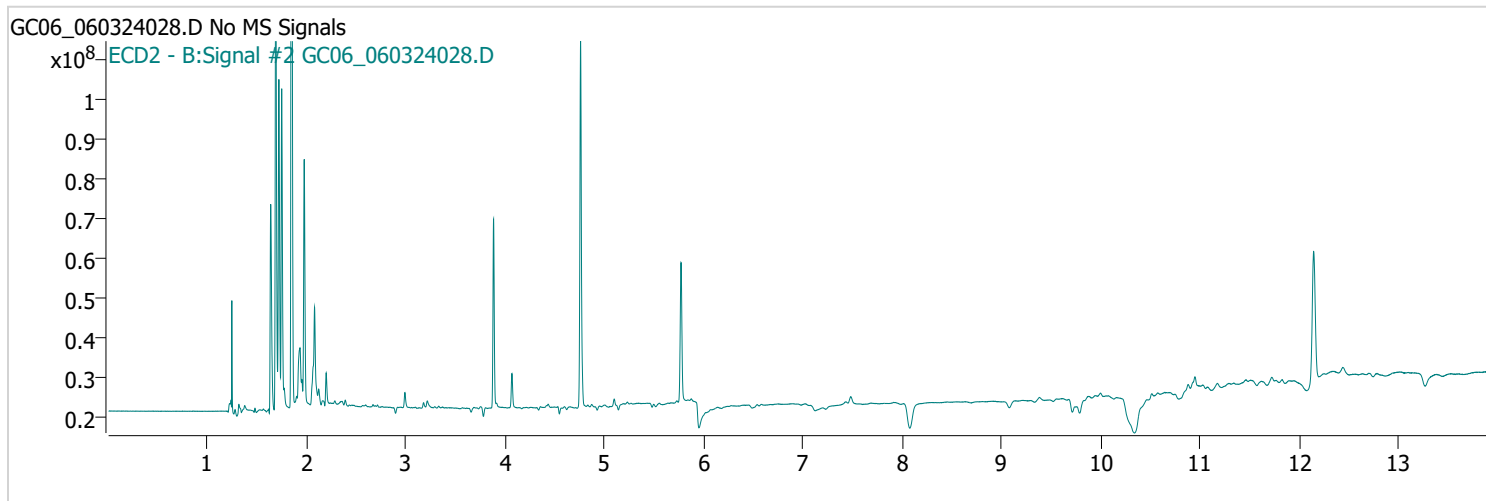
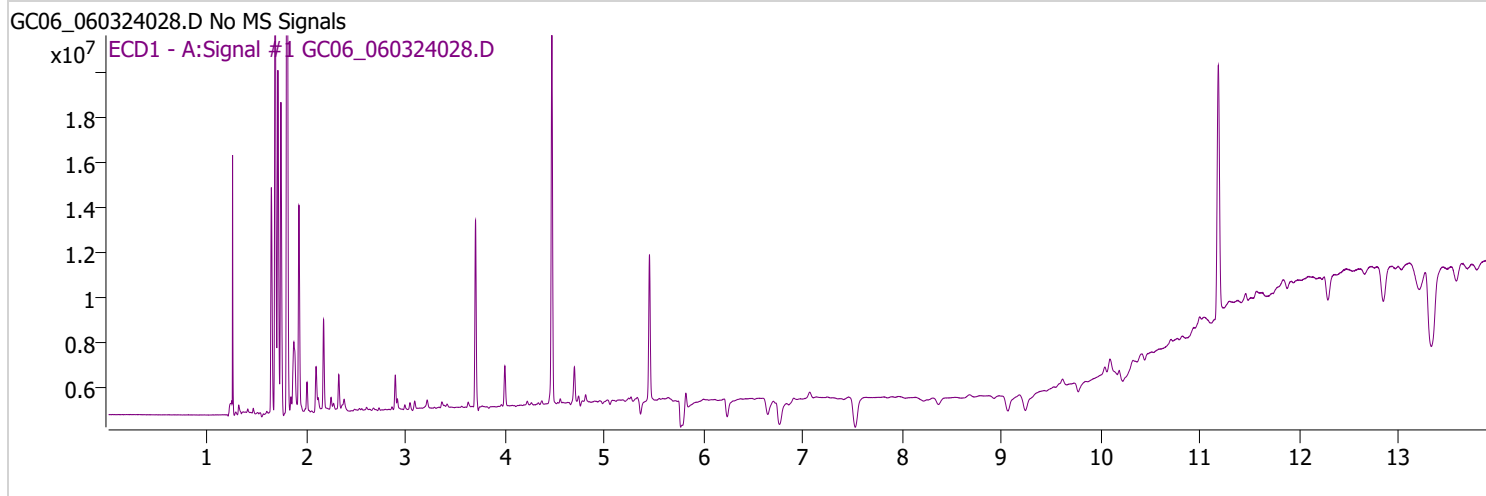
06/04/24 : WIPE/1S-10ML

u=use x=false positive

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324028.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 9:47:37 PM
Sample Name	509117-012, 341640, 1	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	7905734.518	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.880	0.0	48243256.713	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.468	0.0	16189733.217	44.3072	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.54%	*	
S TCMX (PCB) #2	4.757	0.0	97414860.973	45.8153	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 229.08%	*	
S Decachlorobiphenyl (PCB)	11.183	0.0	18458465.536	43.2889	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.44%	*	
S Decachlorobiphenyl (PCB) #2	12.143	0.0	75835339.679	43.5264	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.63%	*	

Target Compounds

GC06_060324028.D

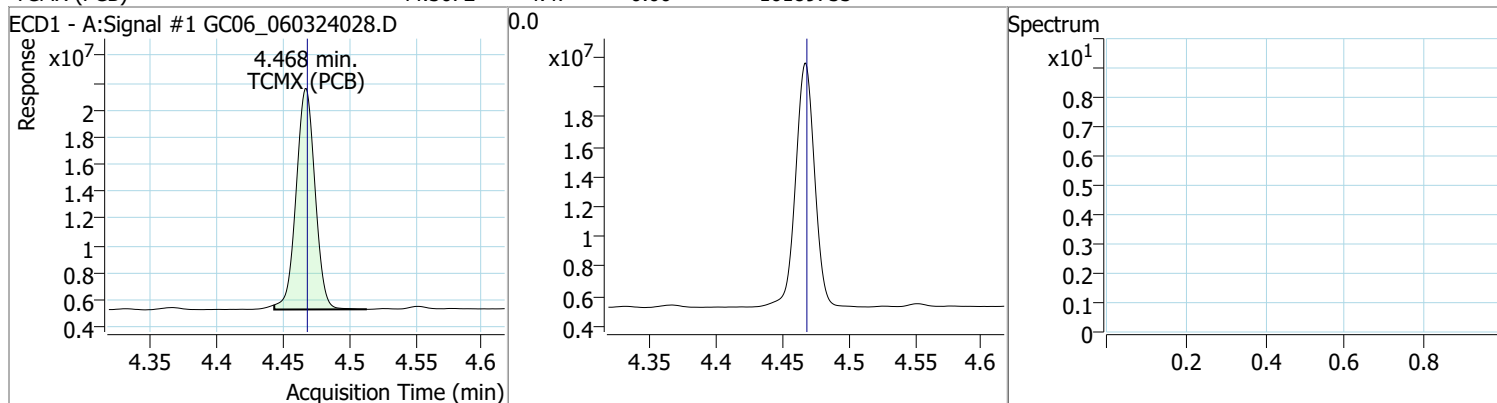
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.808	0.0	1010142.49 0	130.1836	ng/ml	100
T AR1016 2	5.024	0.0	470993.796	31.0802	ng/ml	100
T AR1016 1 #2	5.228	0.0	7128542.13 3	146.8088	ng/ml	100
T AR1016 3	5.451	0.0	8643573.64 7	419.1043	ng/ml	100
T AR1016 2 #2	5.549	0.0	1464477.70 5	14.3762	ng/ml	100
T AR1016 4	5.584	0.0	197170.906	15.8650	ng/ml	100
T AR1016 5	5.996	0.0	1402688.56 0	118.6919	ng/ml	100
T AR1016 3 #2	5.872	0.0	12654486.4 44	95.8373	ng/ml	100
T AR1016 4 #2	0.000		0	N.D.		
T AR1016 5 #2	6.577	0.0	1255621.19 0	15.2723	ng/ml	100
T AR1260 1	7.457	0.0	6458537.10 0	260.2284	ng/ml	100
T AR1260 2	7.901	0.0	164382.867	4.1980	ng/ml	100
T AR1260 3	8.523	0.0	1583875.64 0	35.3695	ng/ml	100
T AR1260 1 #2	8.808	0.0	1358698.75 1	8.4889	ng/ml	100
T AR1260 4	9.177	0.0	4720189.68 1	200.9678	ng/ml	100
T AR1260 2 #2	9.221	0.0	13162025.1 66	72.3645	ng/ml	100
T AR1260 3 #2	9.753	0.0	4092261.97 2	18.4248	ng/ml	100
T AR1260 5	10.040	0.0	940516.680	35.6663	ng/ml	100
T AR1260 4 #2	10.076	0.0	517030.226	4.5848	ng/ml	100
T AR1260 5 #2	10.879	0.0	6622145.29 6	43.1719	ng/ml	100

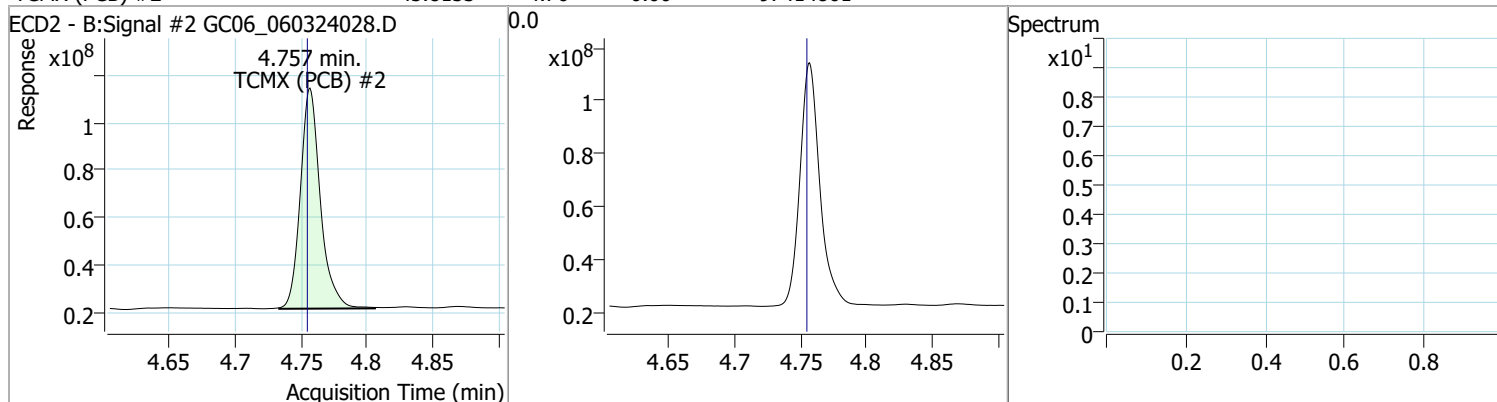
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

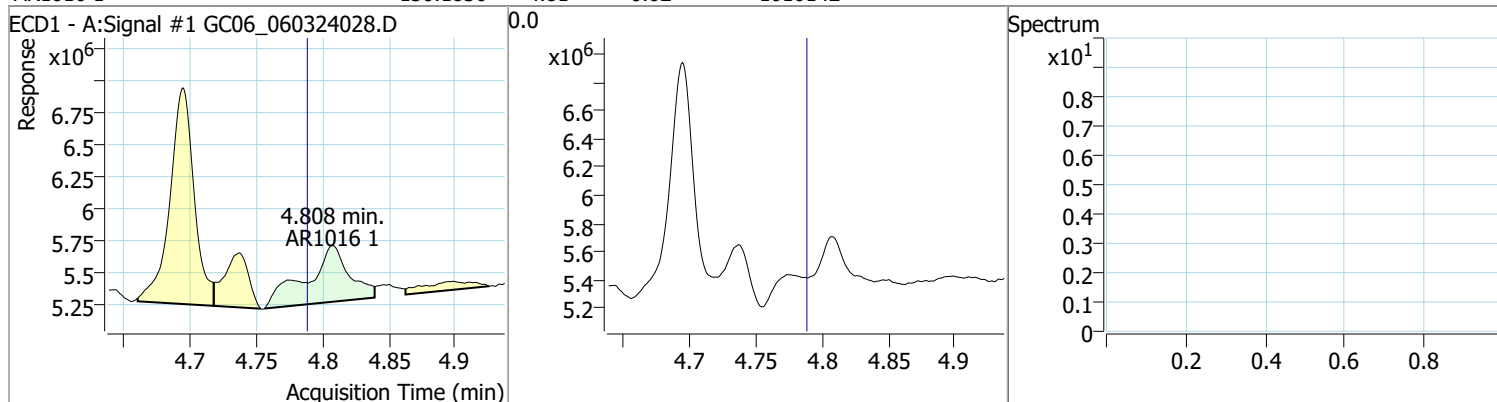
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.3072	4.47	0.00	16189733				



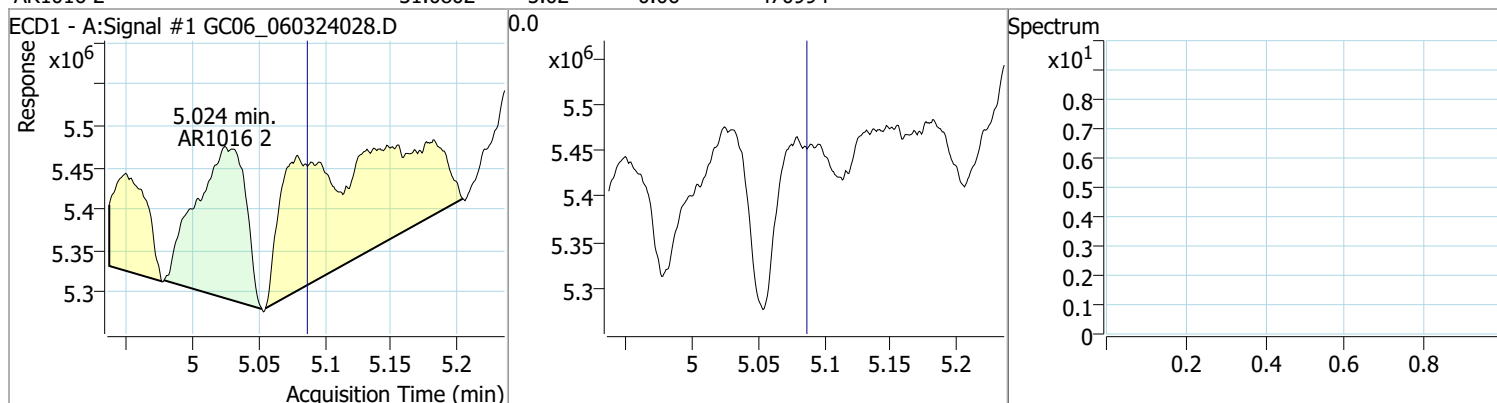
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.8153	4.76	0.00	97414861				



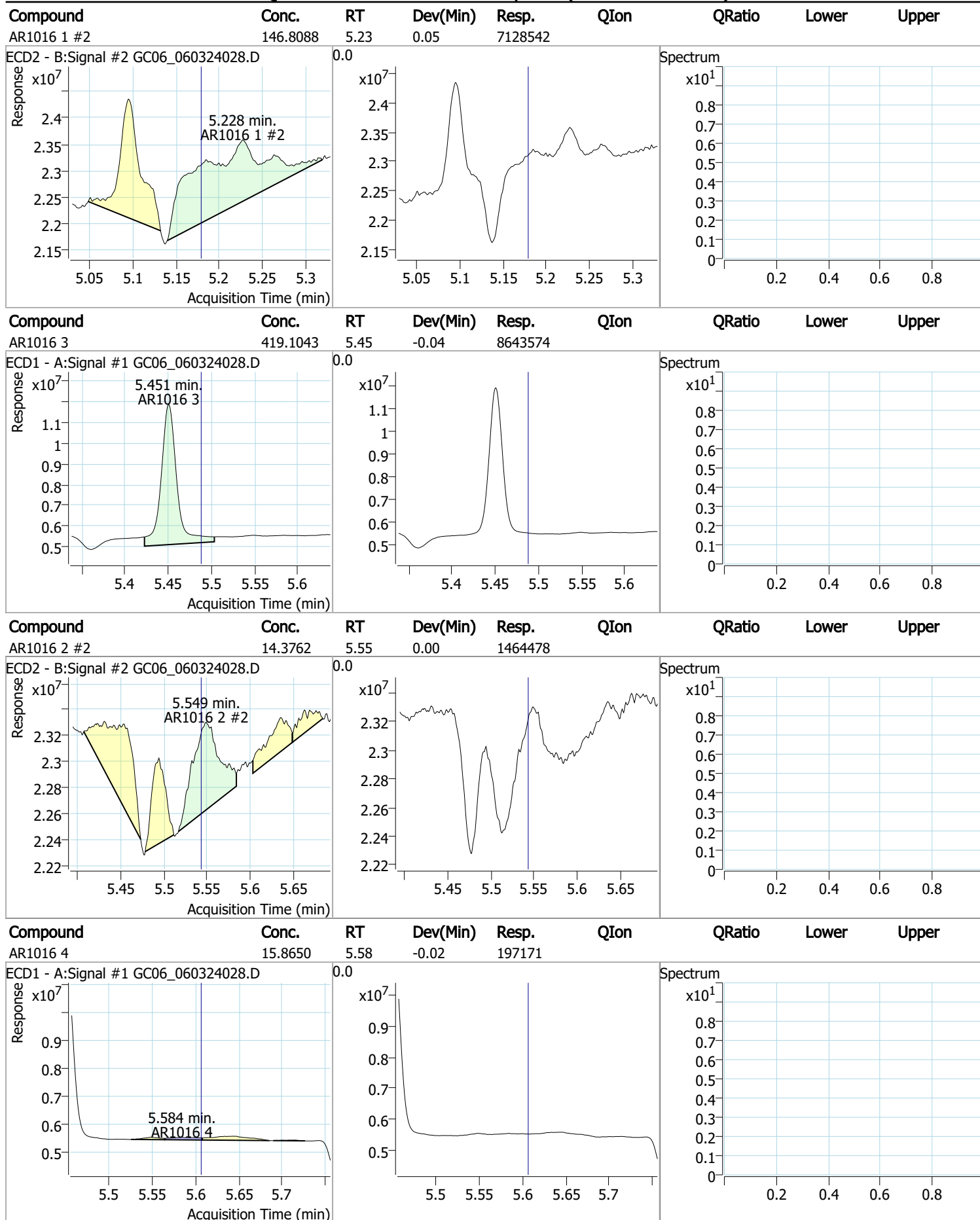
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	130.1836	4.81	0.02	1010142				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	31.0802	5.02	-0.06	470994				

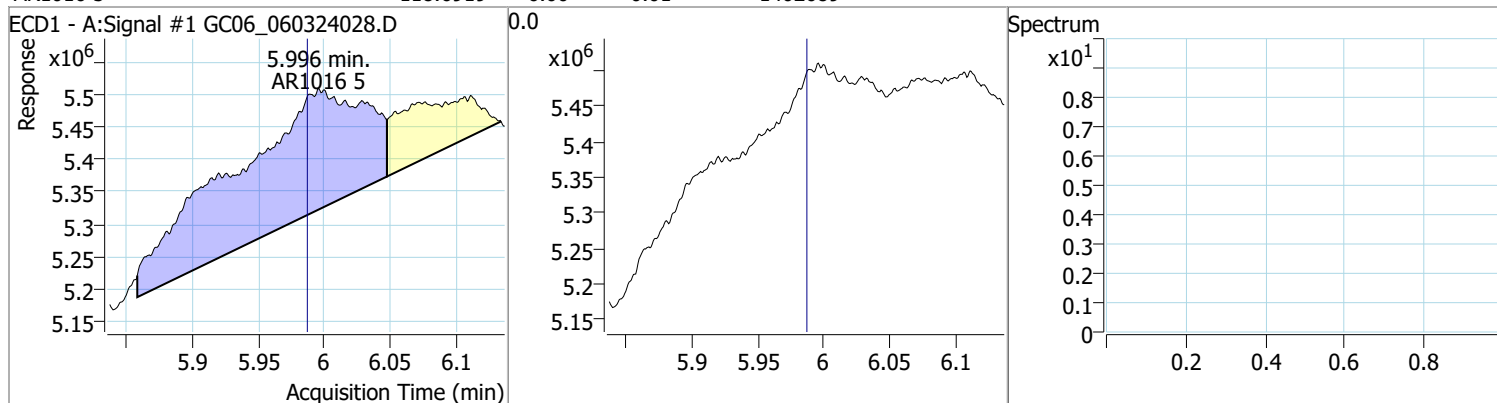


Quantitation Results Report (Not Reviewed)

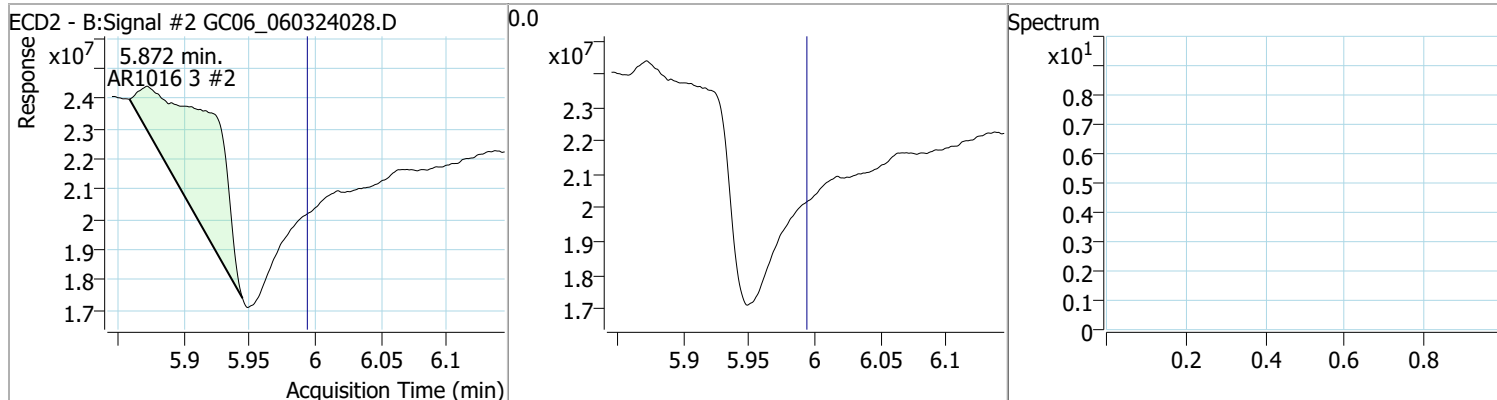


Quantitation Results Report (Not Reviewed)

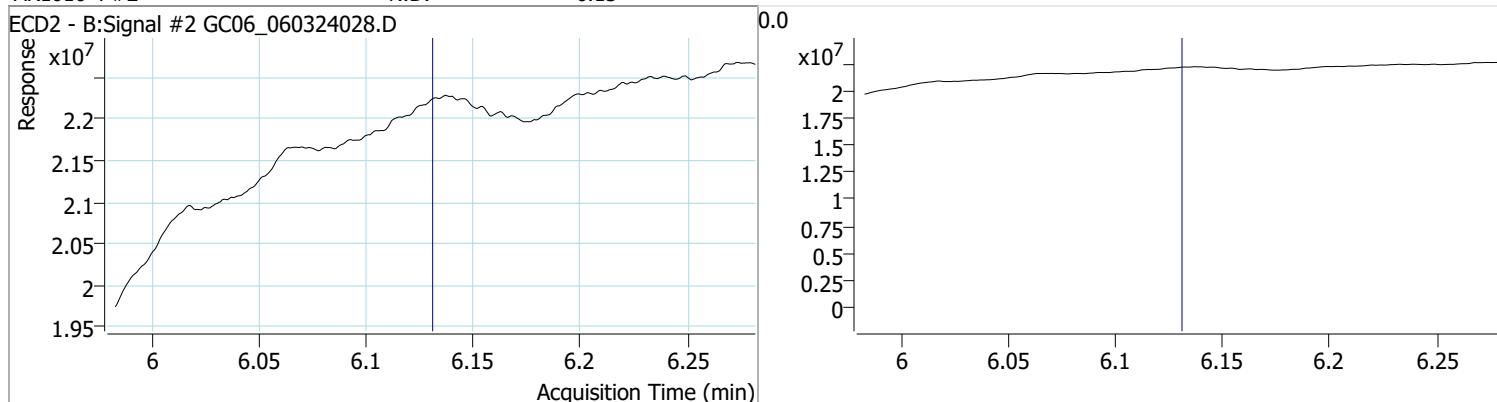
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	118.6919	6.00	0.01	1402689				



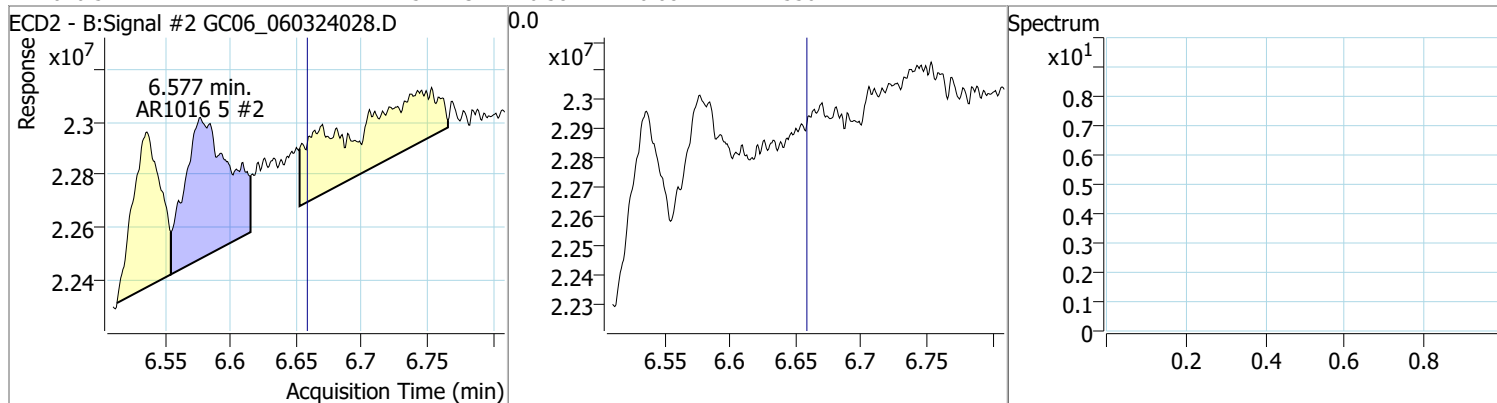
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	95.8373	5.87	-0.12	12654486				



Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4 #2	N.D.	6.13		



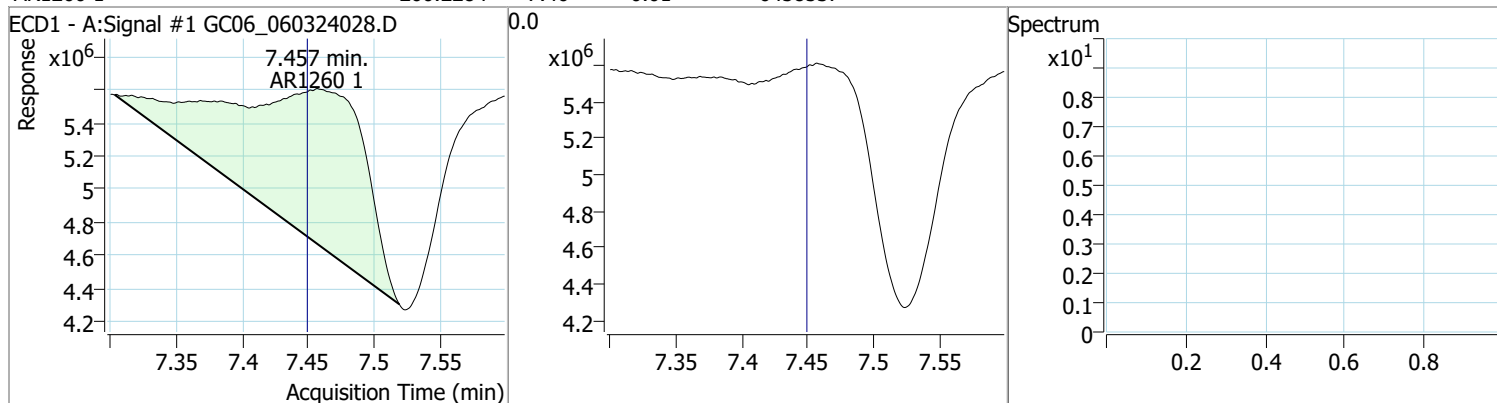
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	15.2723	6.58	-0.08	1255621				



Quantitation Results Report (Not Reviewed)

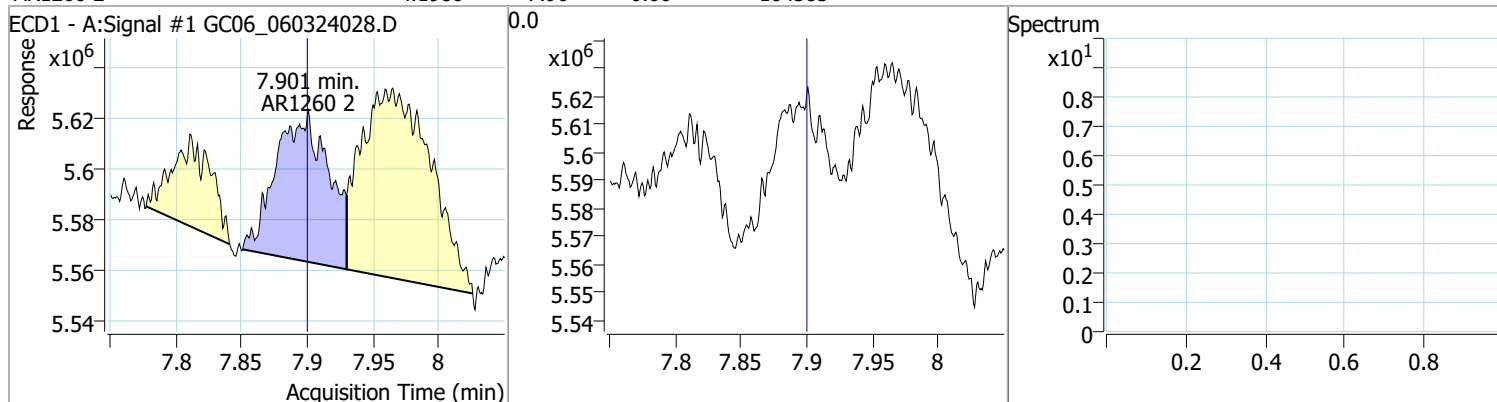
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 260.2284 7.46 0.01 6458537



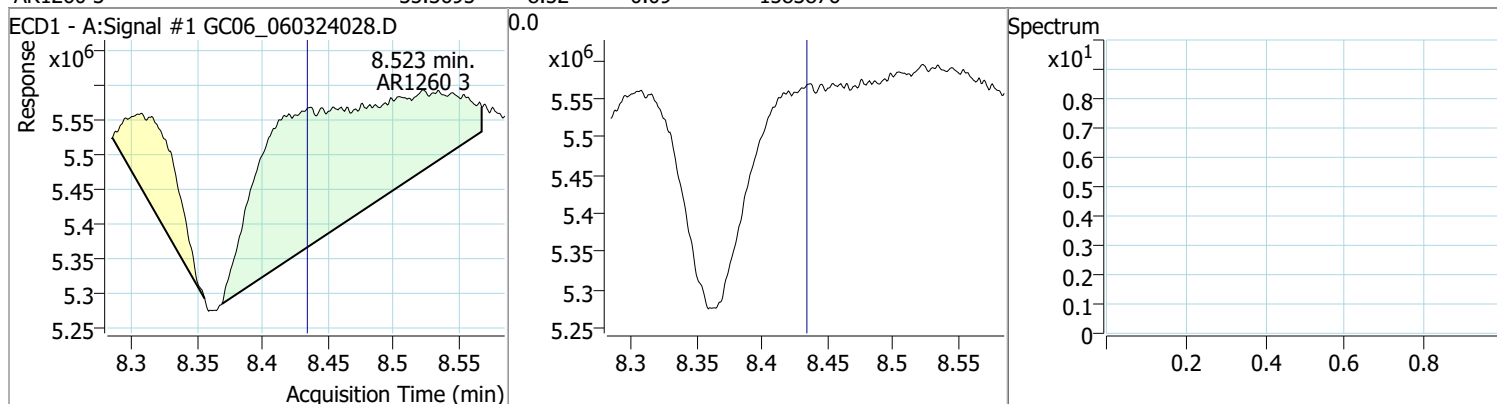
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 4.1980 7.90 0.00 164383



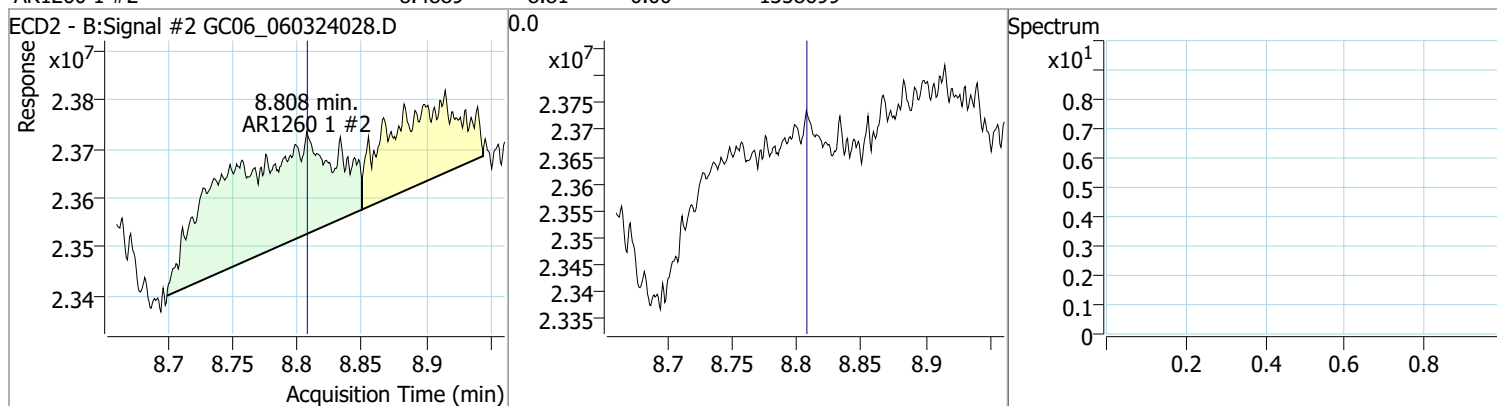
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 35.3695 8.52 0.09 1583876

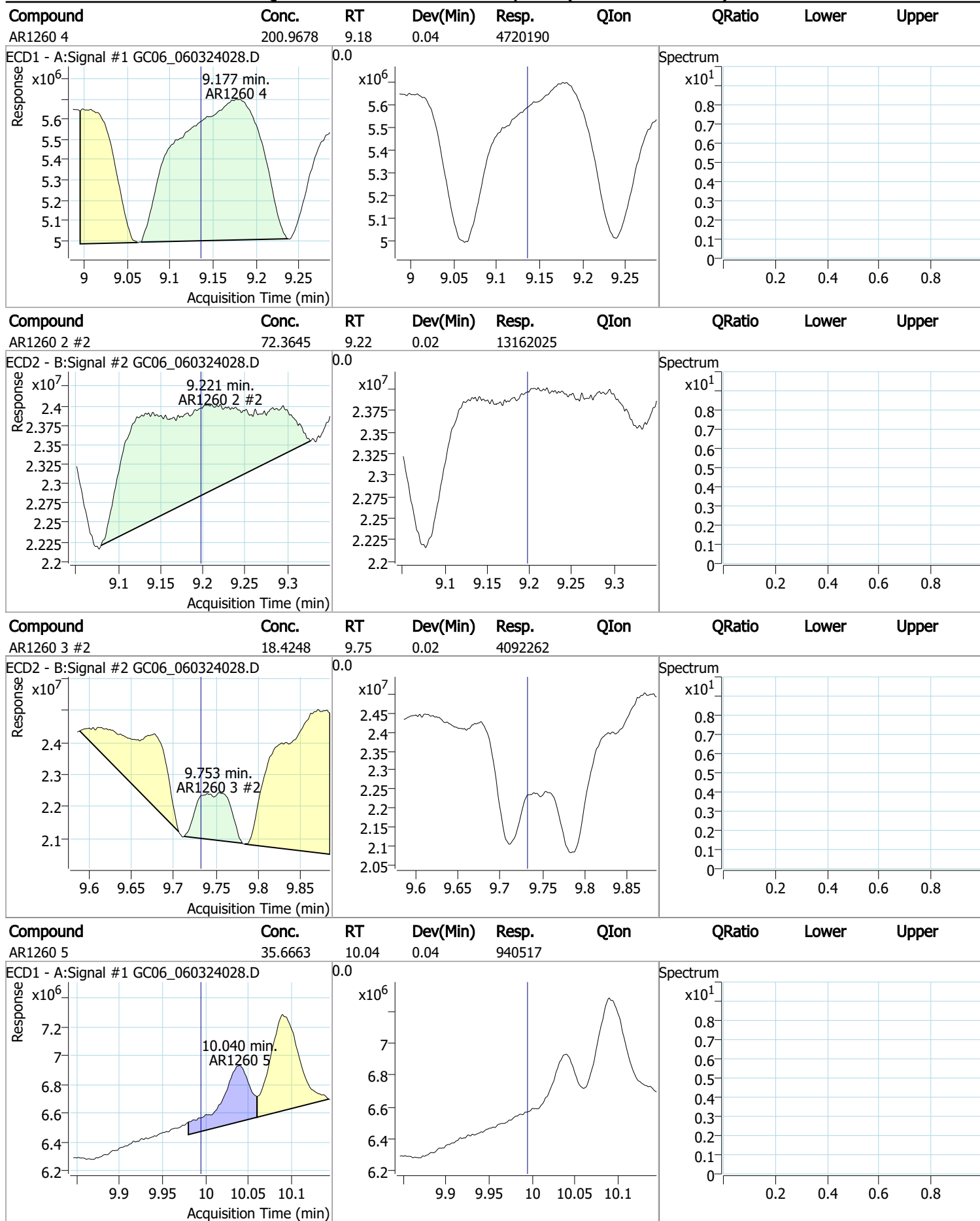


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 #2 8.4889 8.81 0.00 1358699

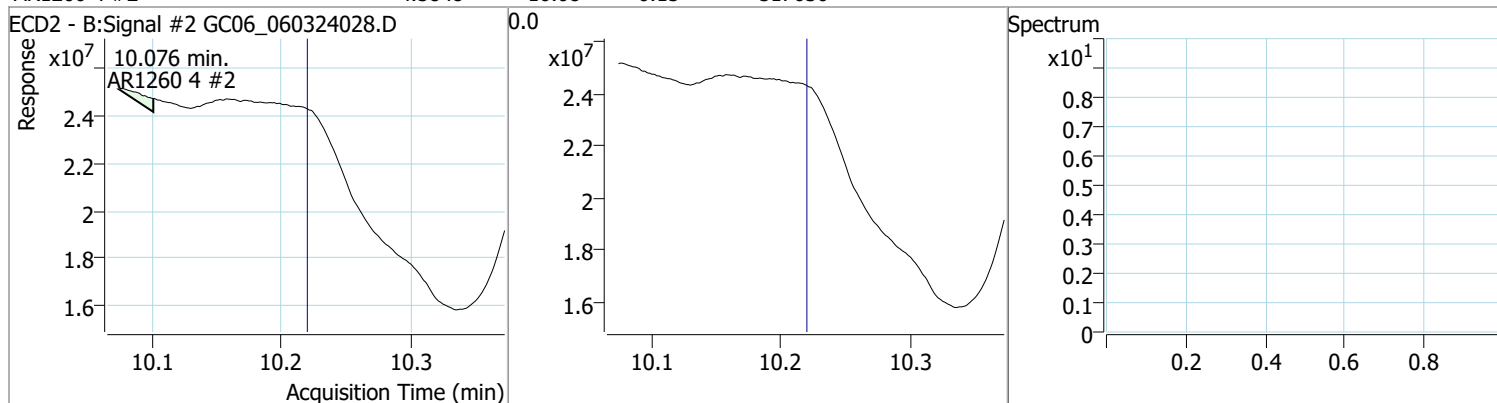


Quantitation Results Report (Not Reviewed)

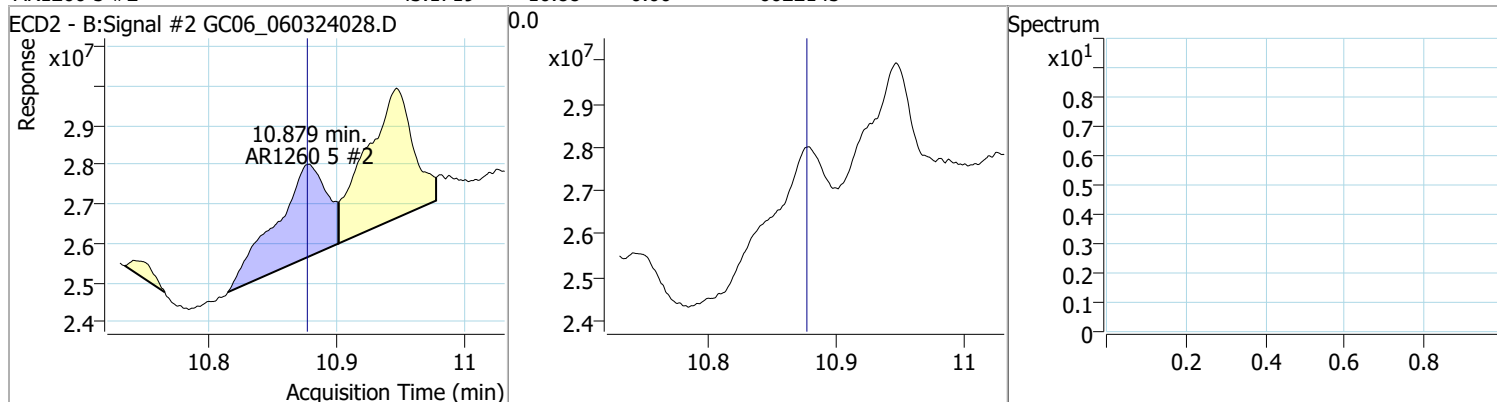


Quantitation Results Report (Not Reviewed)

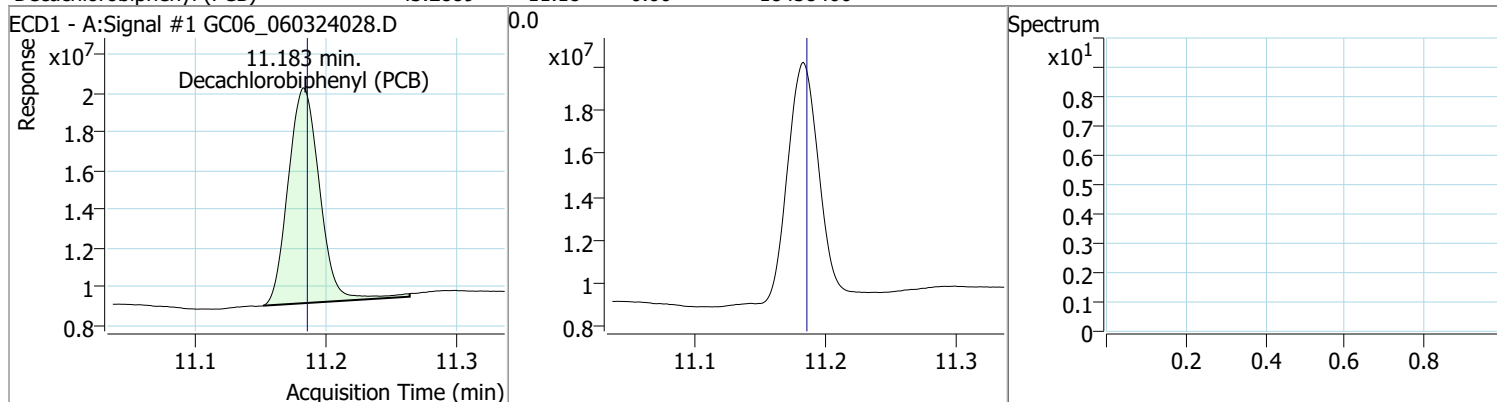
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.5848	10.08	-0.15	517030				



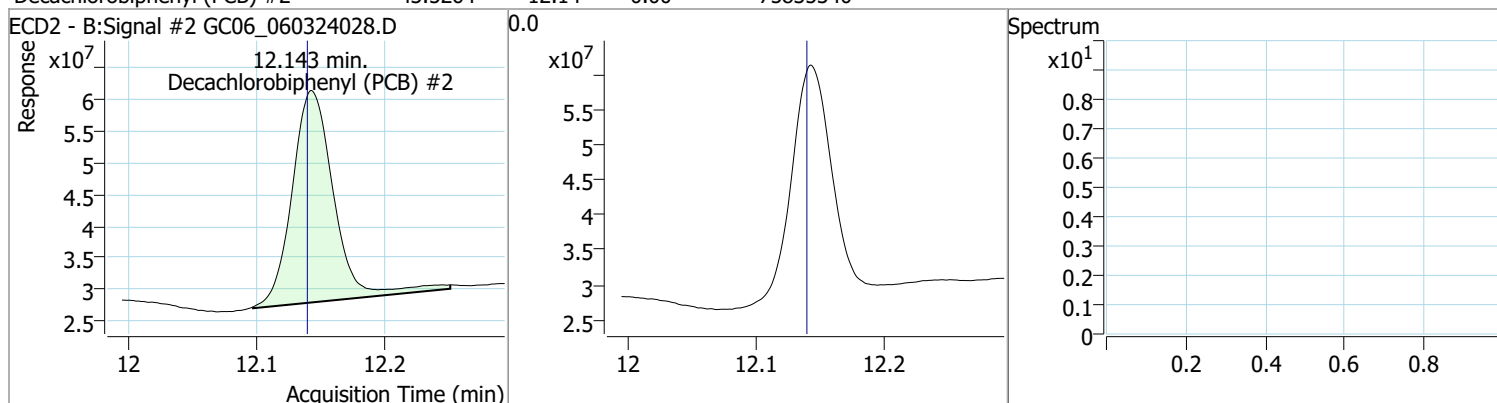
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	43.1719	10.88	0.00	6622145				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.2889	11.18	0.00	18458466				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	43.5264	12.14	0.00	75835340				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-015	Client ID: DOOR-S-15.3GW-INT-26 TO 27-240530-P-CB
Seqnum: 454224018029	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324029	Batch: 341640	Time: 03-JUN-2024 22:06
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	37.27	ND	1.6	126%	0.50		u
Aroclor-1016 Peak # 1	B	67.03	0.67	1.22	58%			
Aroclor-1016 Peak # 2	B	11.95	0.12	0.25	71%			
Aroclor-1016 Peak # 3	B	96.01	0.96	4.77	133%			
Aroclor-1016 Peak # 4	B	0	ND	0.59				
Aroclor-1016 Peak # 5	B	11.38	0.11	1.41	170%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	29.14	ND	0.99	109%	0.50		u
Aroclor-1260 Peak # 1	B	6.816	0.07	2.49	189%			
Aroclor-1260 Peak # 2	B	67.72	0.68	0.04	177%			
Aroclor-1260 Peak # 3	B	19.48	0.19	0.30	43%			
Aroclor-1260 Peak # 4	B	4.672	0.05	1.83	190%			
Aroclor-1260 Peak # 5	B	47.00	0.47	0.28	50%			
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	42.94	0.5000	0.4294	86	19-121	u
Decachlorobiphenyl (PCB)	B	39.69	0.5000	0.3969	79	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	49777586	-1.87
1-bromo-2-nitrobenzene (PCB)	A	9322089	8132332	-12.76

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

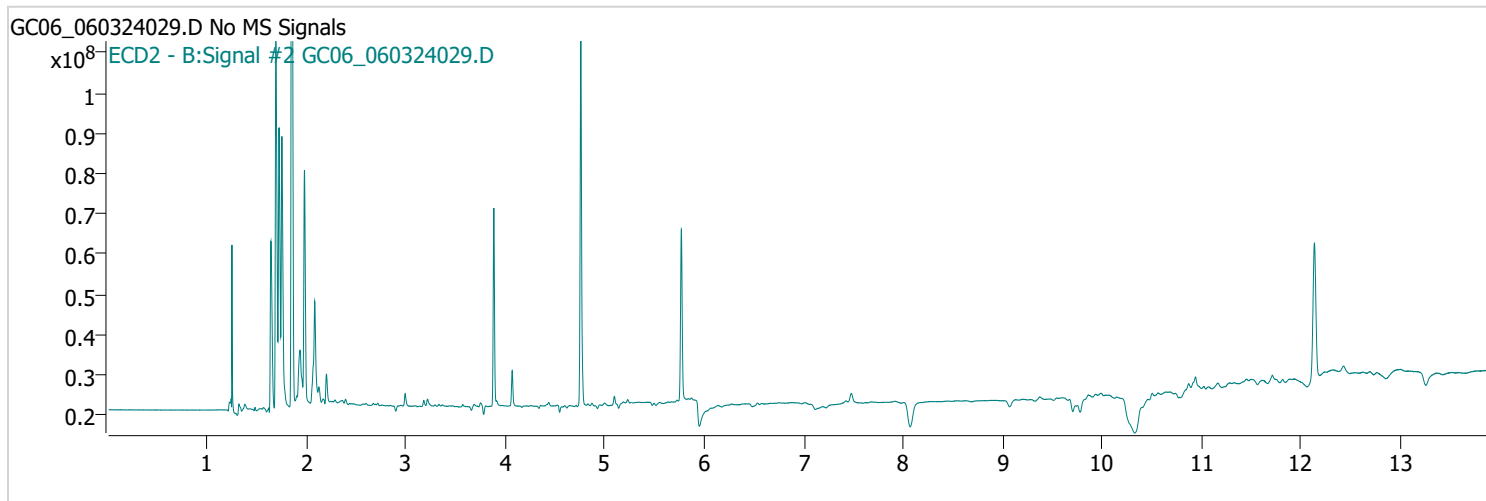
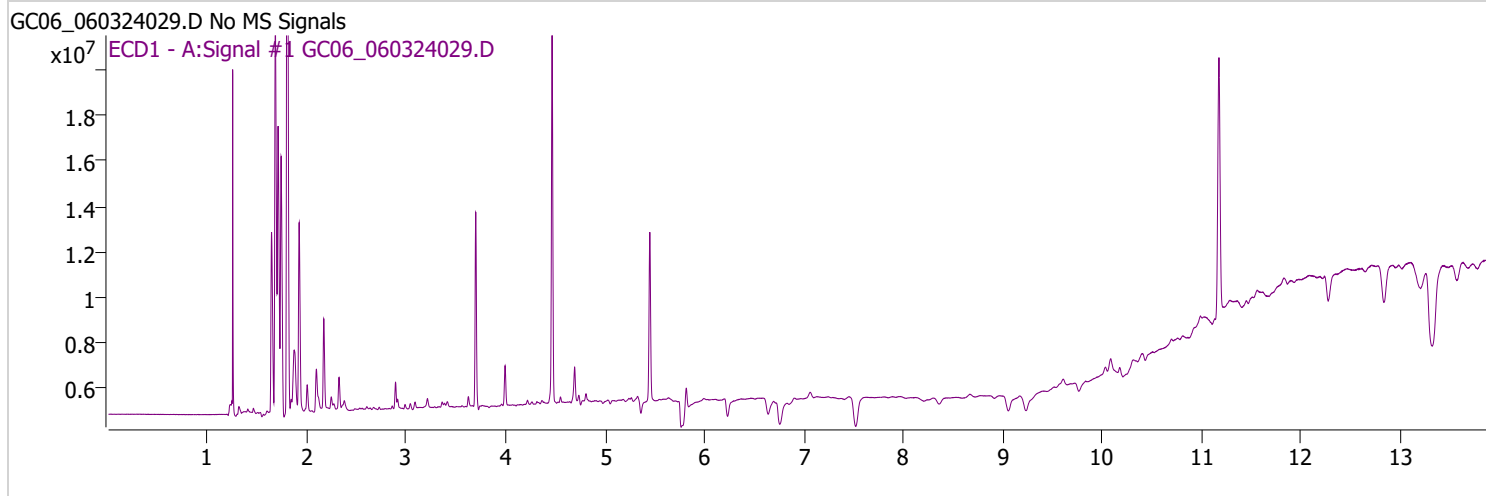
06/04/24 : WIPE/1S-10ML

u=use

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324029.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 10:06:11 PM
Sample Name	509117-015, 341640, 1	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	8132332.026	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	3.880	0.0	49777585.948	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.467	0.0	15831765.154	42.1203	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.60%	*	
S TCMX (PCB) #2	4.756	0.0	94207721.064	42.9412	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.71%	*	
S Decachlorobiphenyl (PCB)	11.182	0.0	18884501.999	43.0540	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.27%	*	
S Decachlorobiphenyl (PCB) #2	12.144	0.0	71345075.631	39.6869	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.43%	*	

Target Compounds

GC06_060324029.D

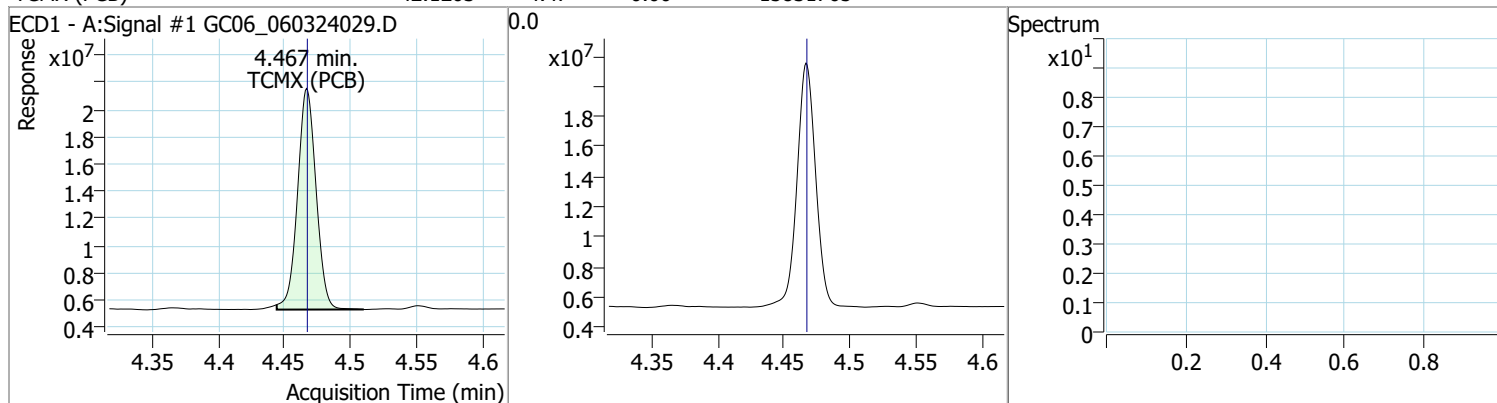
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.808	0.0	976014.346	122.2804	ng/ml	100
T AR1016 2	5.029	0.0	392448.835	25.1755	ng/ml	100
T AR1016 1 #2	5.184	0.0	3358459.820	67.0339	ng/ml	100
T AR1016 3	5.451	0.0	9535767.453	449.4812	ng/ml	100
T AR1016 2 #2	5.548	0.0	1255522.738	11.9451	ng/ml	100
T AR1016 4	5.638	0.0	749392.961	58.6183	ng/ml	100
T AR1016 5	5.994	0.0	1708673.800	140.5550	ng/ml	100
T AR1016 3 #2	5.871	0.0	13080446.177	96.0097	ng/ml	100
T AR1016 4 #2	0.000		0	N.D.		
T AR1016 5 #2	6.575	0.0	965139.794	11.3773	ng/ml	100
T AR1260 1	7.453	0.0	6356308.540	248.9733	ng/ml	100
T AR1260 2	7.893	0.0	165900.815	4.1187	ng/ml	100
T AR1260 3	8.537	0.0	1383456.693	30.0331	ng/ml	100
T AR1260 1 #2	8.822	0.0	1125633.272	6.8160	ng/ml	100
T AR1260 4	9.176	0.0	4426235.773	183.2013	ng/ml	100
T AR1260 2 #2	9.199	0.0	12708867.110	67.7193	ng/ml	100
T AR1260 3 #2	9.756	0.0	4464169.848	19.4797	ng/ml	100
T AR1260 5	10.039	0.0	764902.368	28.1984	ng/ml	100
T AR1260 4 #2	10.082	0.0	543563.949	4.6716	ng/ml	100
T AR1260 5 #2	10.878	0.0	7437927.205	46.9956	ng/ml	100

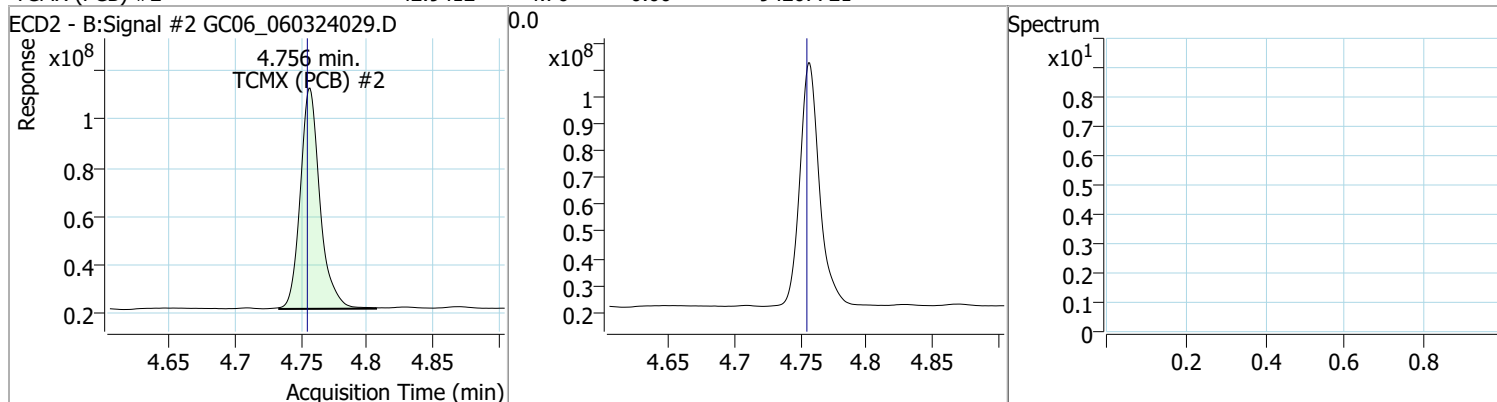
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

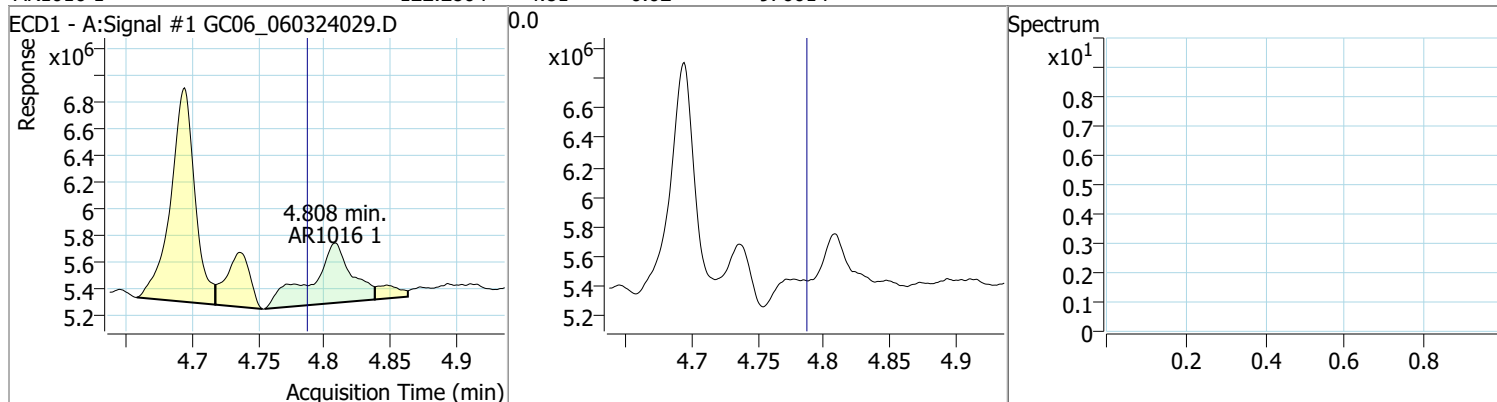
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.1203	4.47	0.00	15831765				



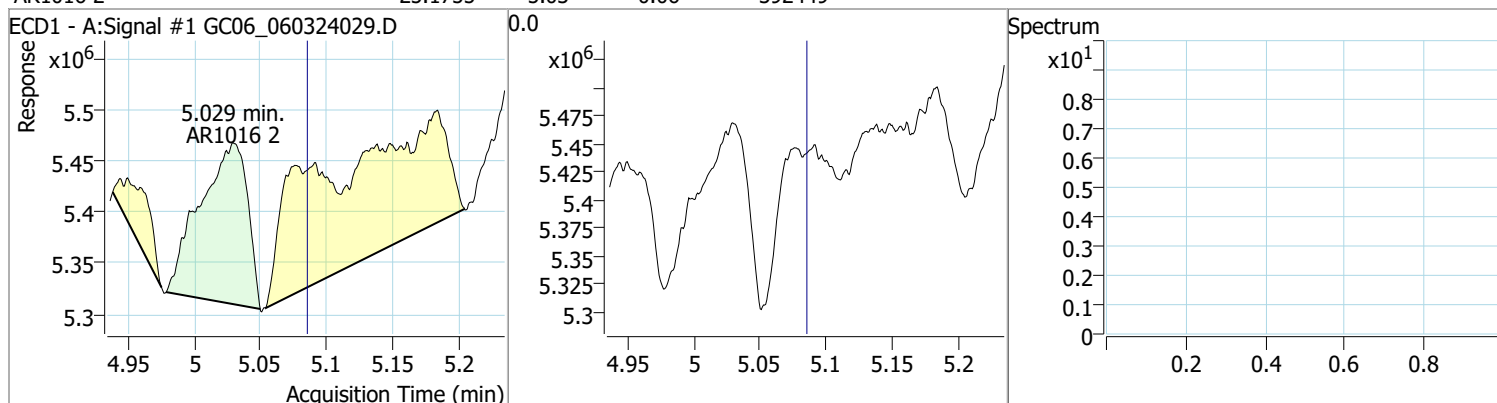
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.9412	4.76	0.00	94207721				



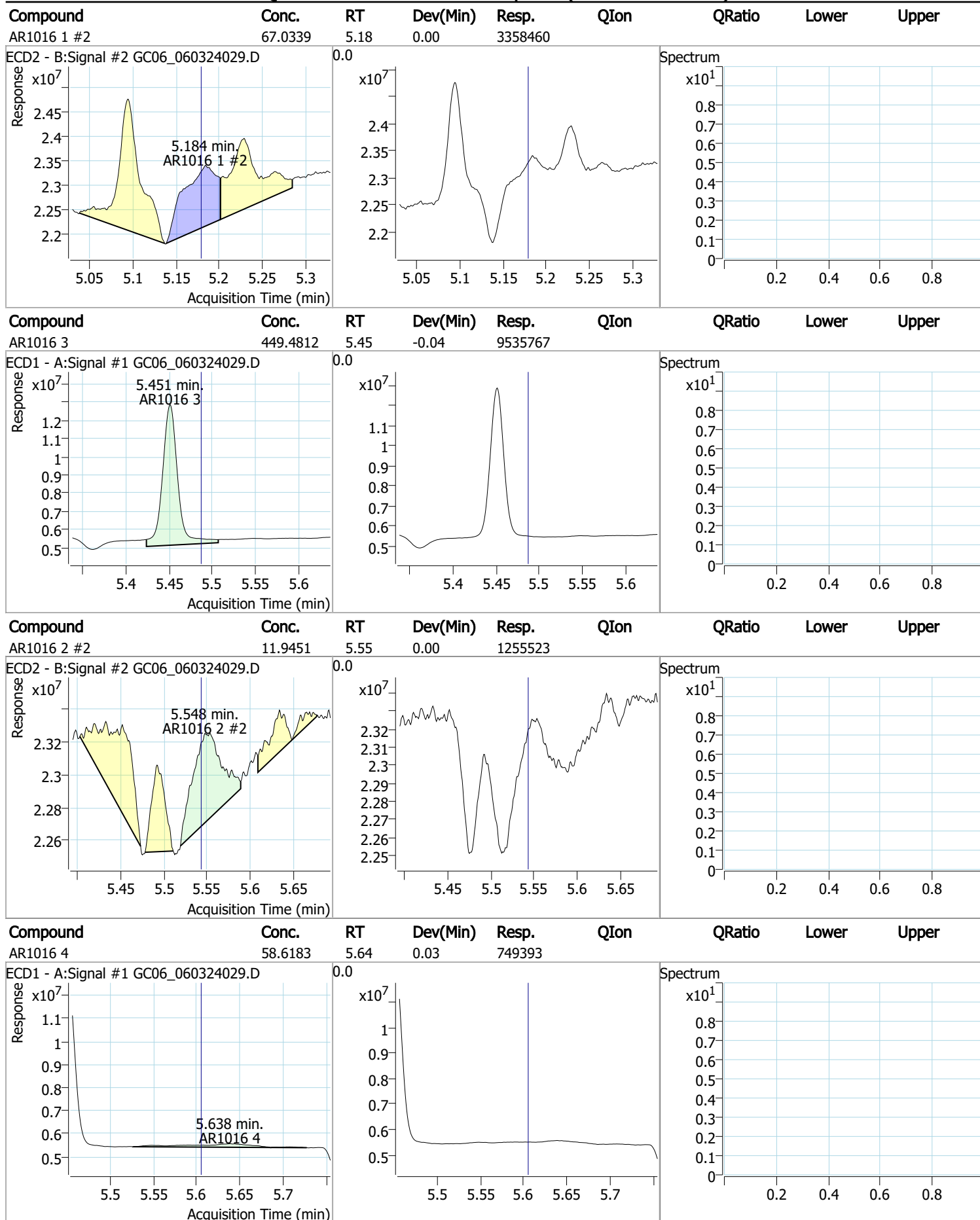
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	122.2804	4.81	0.02	976014				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.1755	5.03	-0.06	392449				

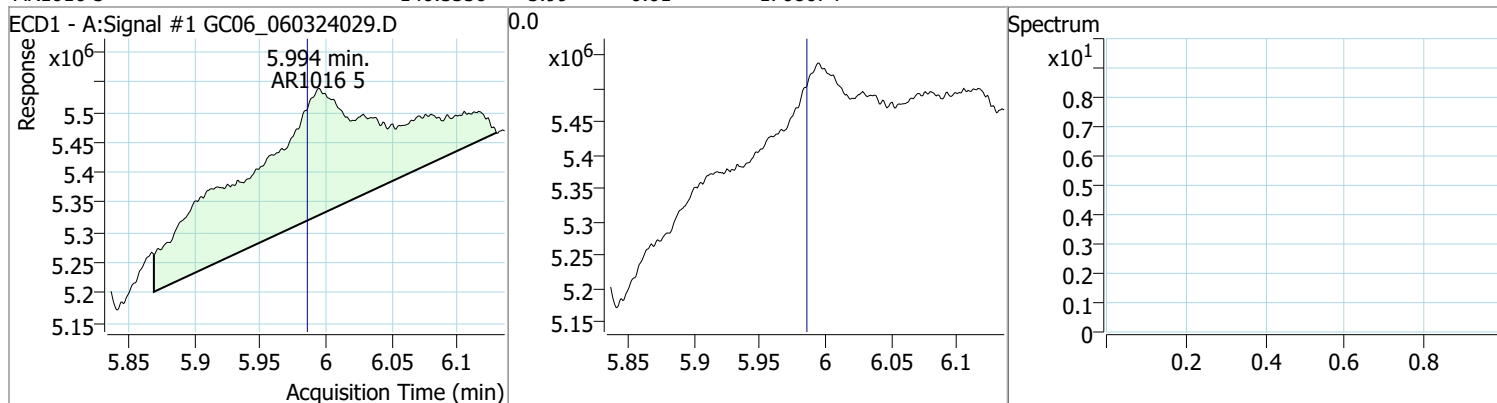


Quantitation Results Report (Not Reviewed)

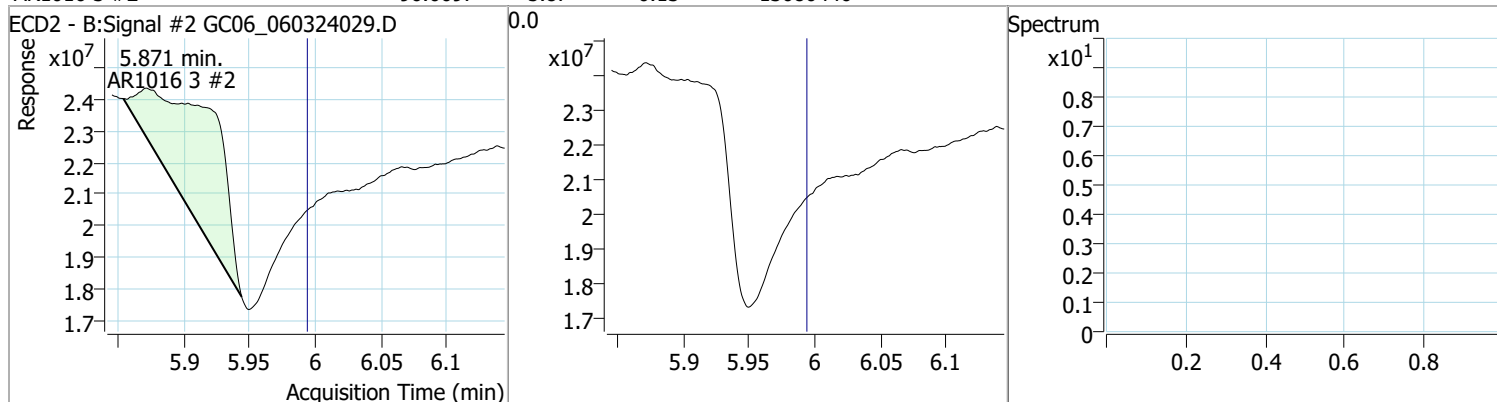


Quantitation Results Report (Not Reviewed)

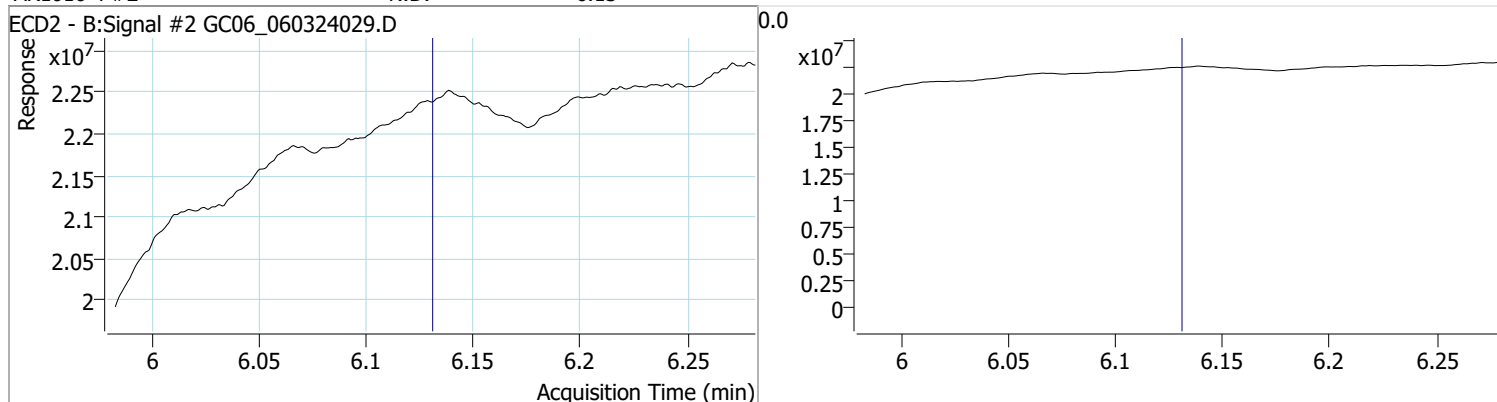
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	140.5550	5.99	0.01	1708674				



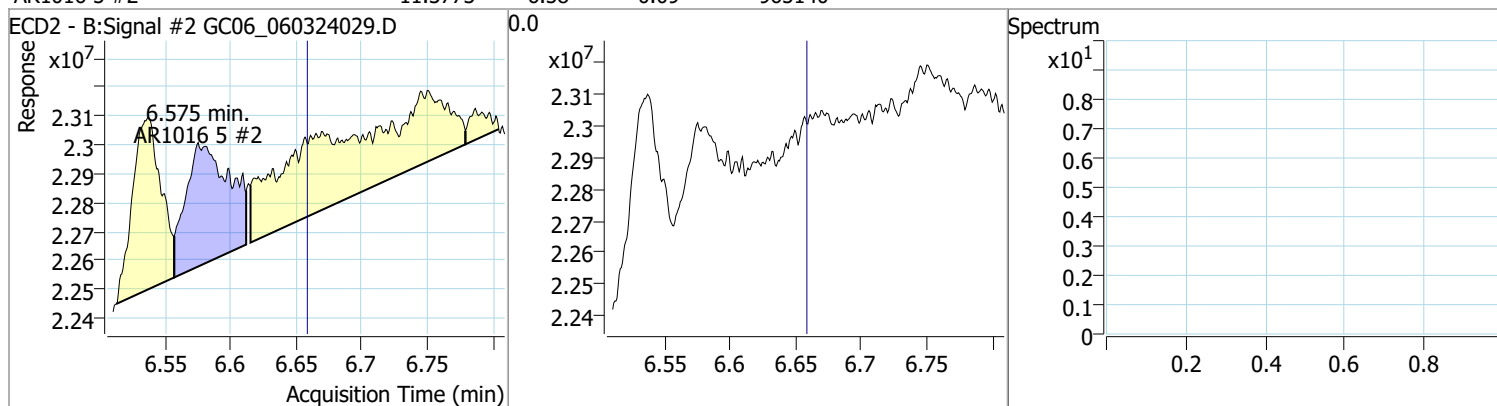
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	96.0097	5.87	-0.13	13080446				



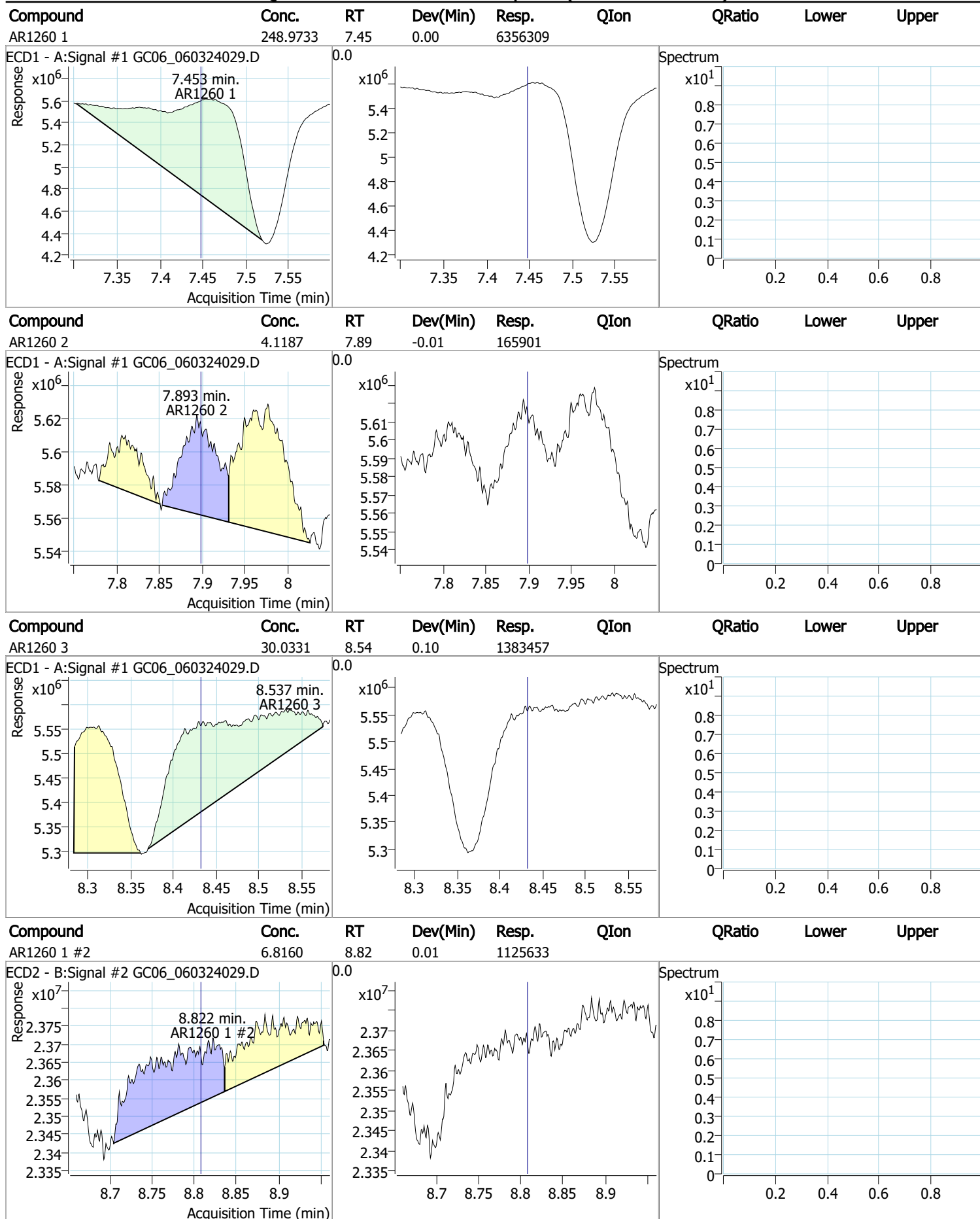
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4 #2	N.D.	6.13		



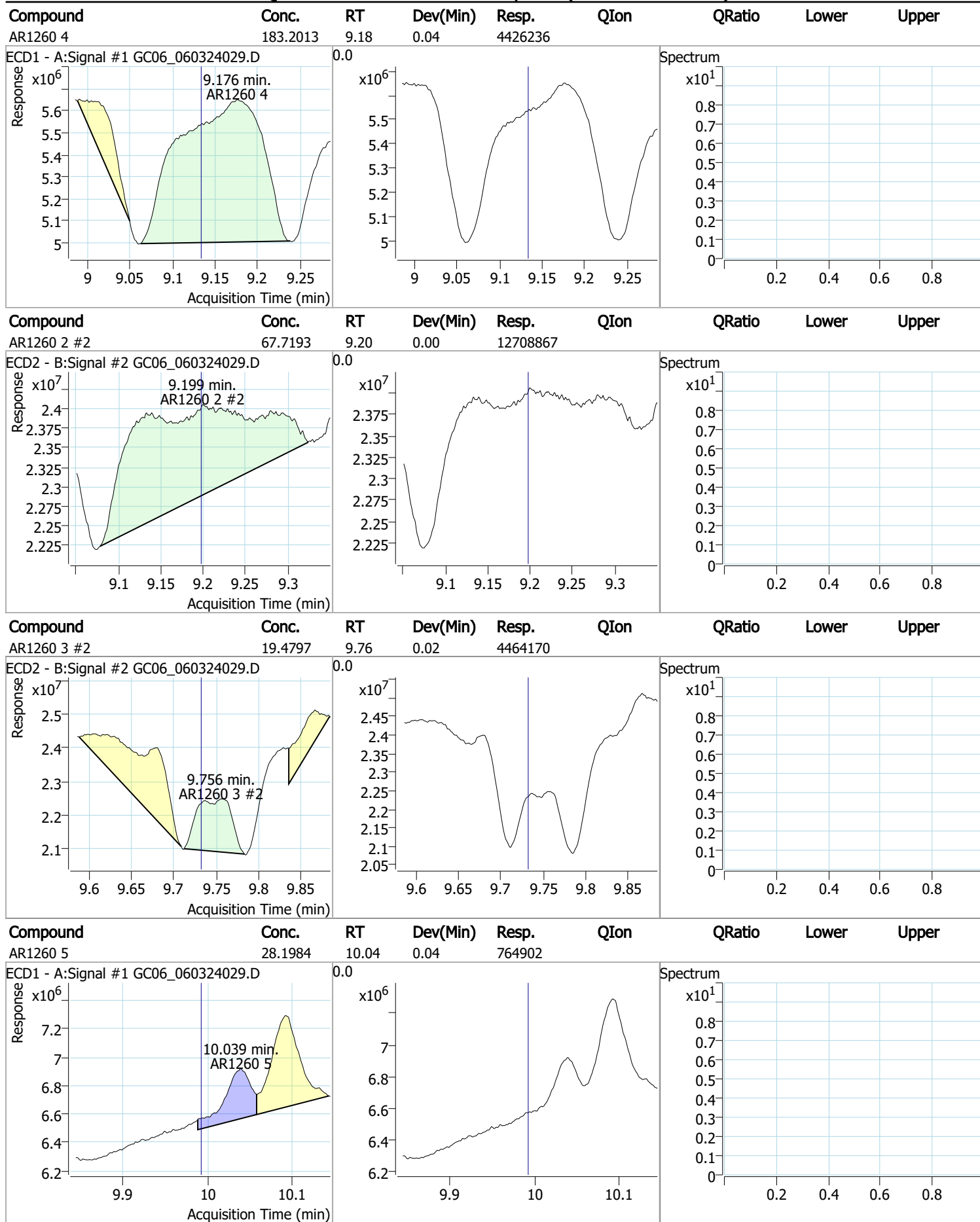
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	11.3773	6.58	-0.09	965140				



Quantitation Results Report (Not Reviewed)

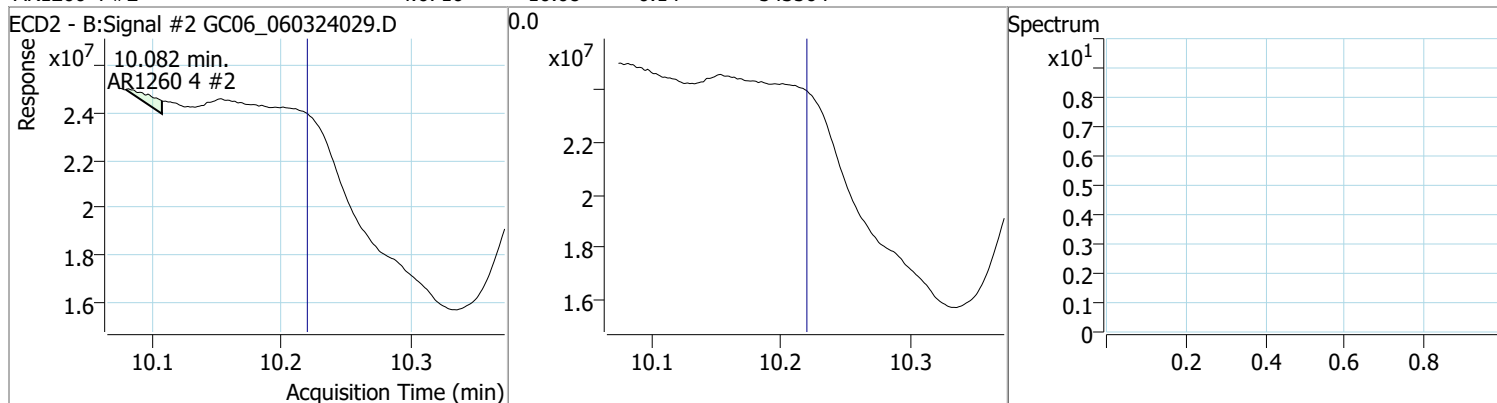


Quantitation Results Report (Not Reviewed)

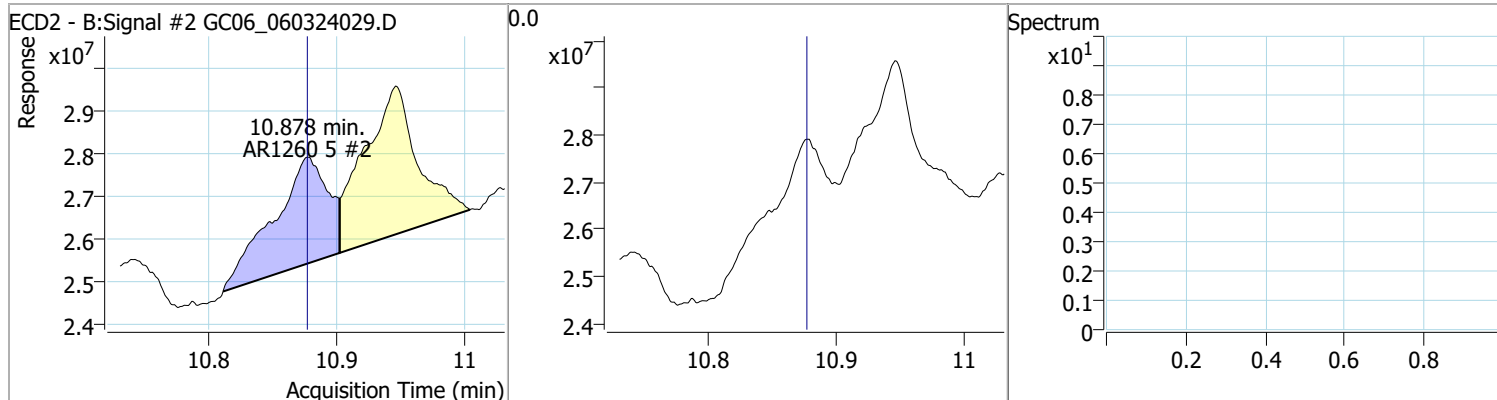


Quantitation Results Report (Not Reviewed)

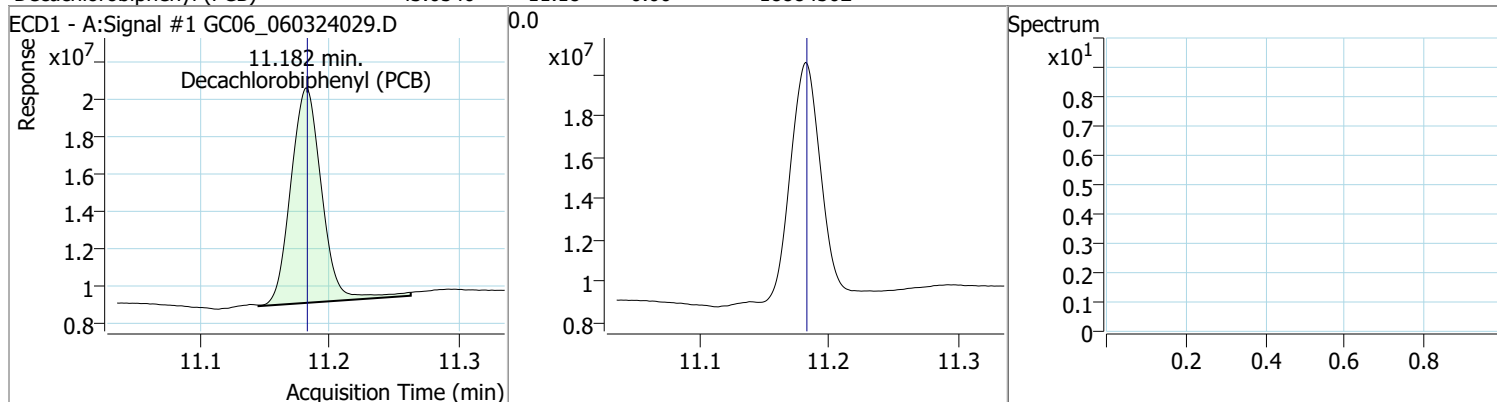
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.6716	10.08	-0.14	543564				



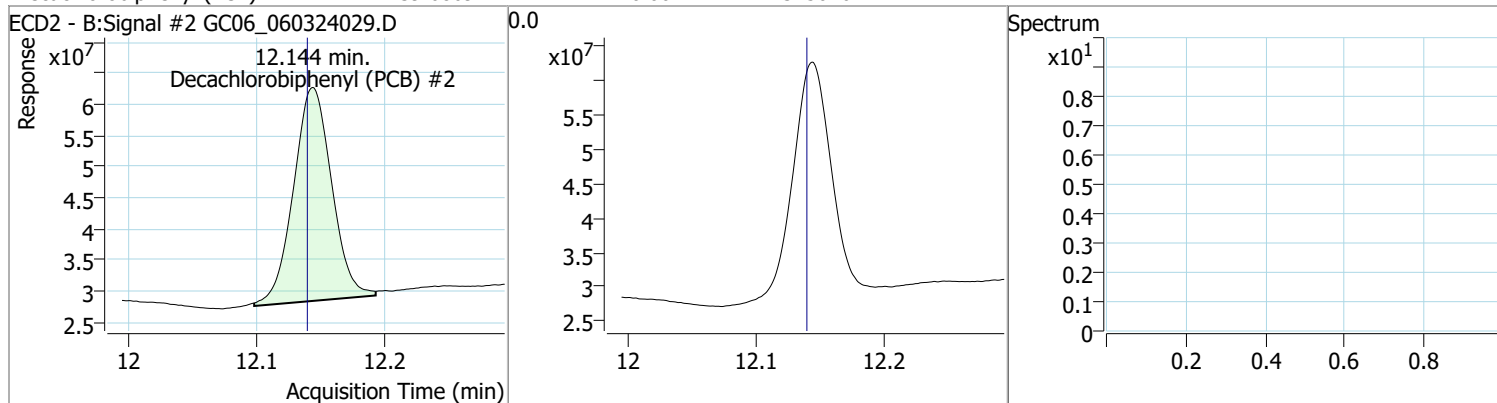
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	46.9956	10.88	-0.01	7437927				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.0540	11.18	0.00	18884502				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.6869	12.14	0.00	71345076				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-018	Client ID: DOOR-S-15.2GE-EXT-10 TO 11-240530-P-CB
Seqnum: 454224018030	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324030	Batch: 341640	Time: 03-JUN-2024 22:24
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	59.05	0.59 ^{FP}	1.4	80%	0.50		X U
Aroclor-1016 Peak # 1	B	173.0	1.73	1.85	7%			
Aroclor-1016 Peak # 2	B	9.551	0.10	0.21	75%			
Aroclor-1016 Peak # 3	B	92.02	0.92	2.52	93%			
Aroclor-1016 Peak # 4	B	8.100	0.08	0.60	153%			
Aroclor-1016 Peak # 5	B	12.55	0.13	1.68	172%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	29.74	ND	0.99	108%	0.50		u
Aroclor-1260 Peak # 1	B	3.782	0.04	2.37	194%			
Aroclor-1260 Peak # 2	B	75.31	0.75	0.01	194%			
Aroclor-1260 Peak # 3	B	19.36	0.19	0.37	63%			
Aroclor-1260 Peak # 4	B	0	ND	1.88				
Aroclor-1260 Peak # 5	B	50.25	0.50	0.32	43%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	42.52	0.5000	0.4252	85	19-121	u
Decachlorobiphenyl (PCB)	B	37.69	0.5000	0.3769	75	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	50649618	-0.16
1-bromo-2-nitrobenzene (PCB)	A	9322089	8182383	-12.23

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

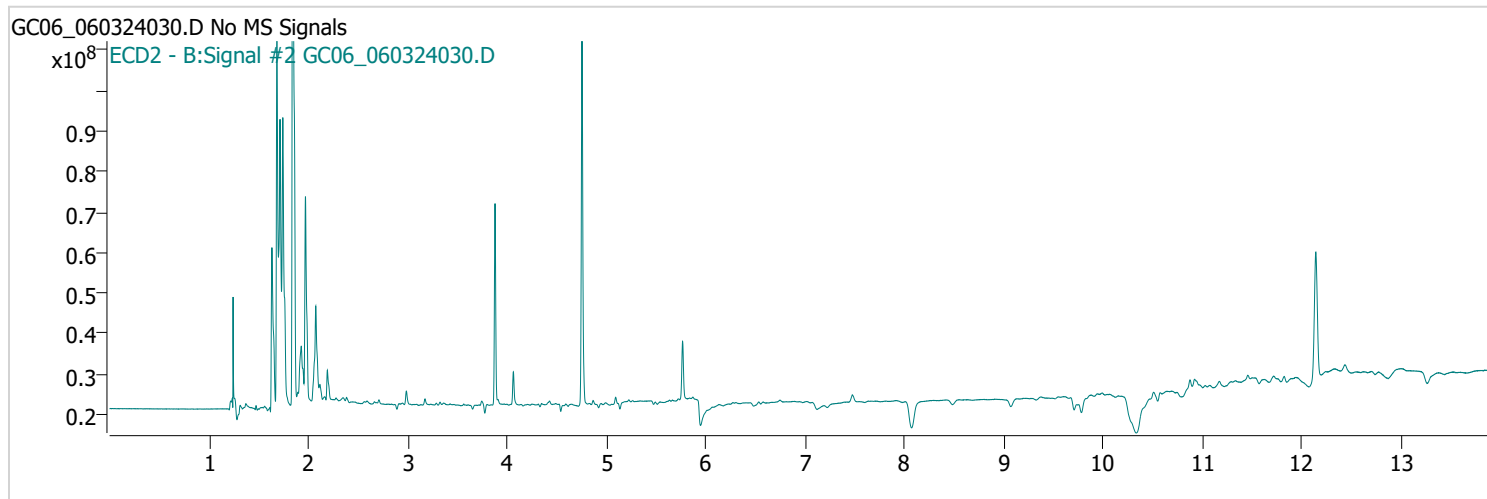
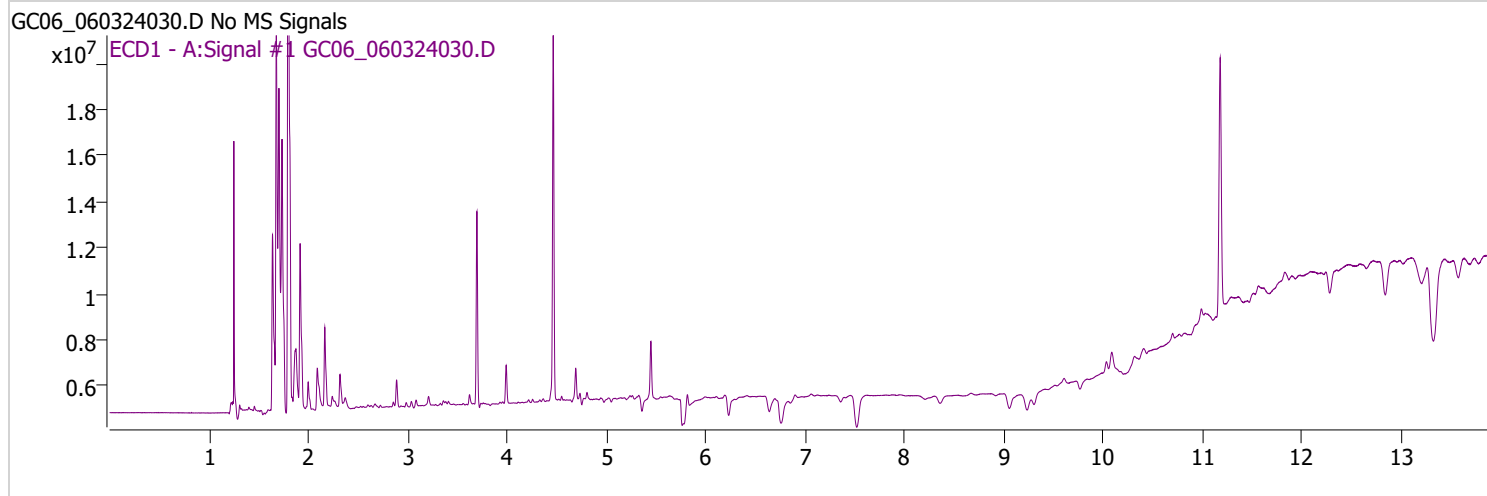
06/04/24 : WIPE/1S-10ML

u=use x=false positive

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324030.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 10:24:33 PM
Sample Name	509117-018, 341640, 1	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	8182382.92 2	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	50649618.1 77	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.467	0.0	15941027.3 93	42.1515	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.76%	*	
S TCMX (PCB) #2	4.756	0.0	94923719.7 97	42.5226	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.61%	*	
S Decachlorobiphenyl (PCB)	11.182	0.0	18095916.0 04	41.0038	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.02%	*	
S Decachlorobiphenyl (PCB) #2	12.144	0.0	68943709.5 56	37.6908	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.45%	*	

Target Compounds

GC06_060324030.D

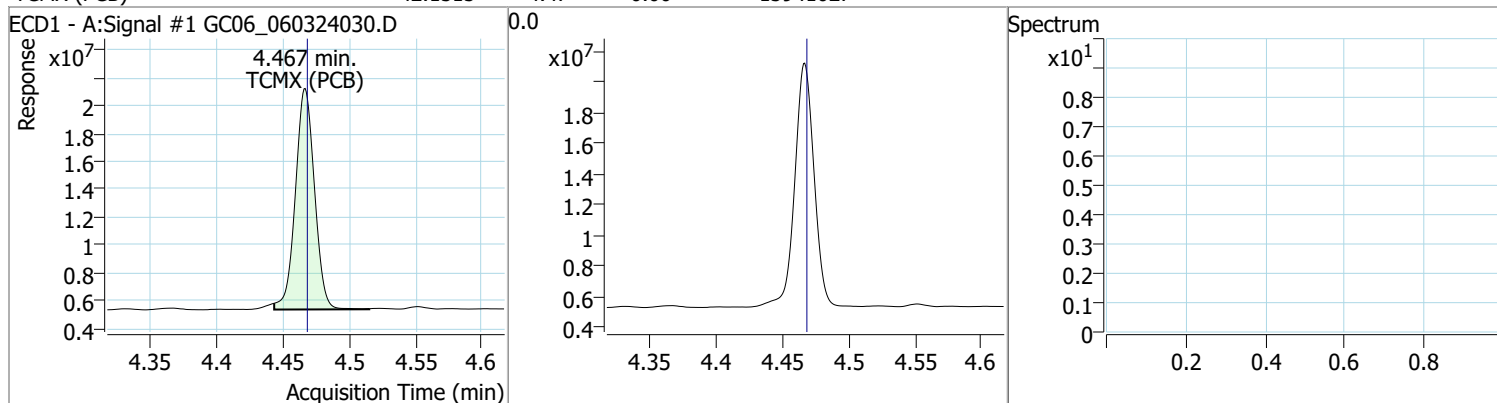
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.807	0.0	1487194.58 4	185.1842	ng/ml	100
T AR1016 2	5.089	0.0	329263.910	20.9930	ng/ml	100
T AR1016 1 #2	5.229	0.0	8819890.35 7	173.0115	ng/ml	100
T AR1016 3	5.450	0.0	5070314.31 6	237.5341	ng/ml	100
T AR1016 2 #2	5.544	0.0	1021432.79 5	9.5507	ng/ml	100
T AR1016 4	5.641	0.0	774581.844	60.2180	ng/ml	100
T AR1016 5	6.106	0.0	2053340.50 2	167.8740	ng/ml	100
T AR1016 3 #2	5.873	0.0	12755924.9 76	92.0158	ng/ml	100
T AR1016 4 #2	6.234	0.0	825902.987	8.1002	ng/ml	100
T AR1016 5 #2	6.578	0.0	1083633.69 5	12.5542	ng/ml	100
T AR1260 1	7.459	0.0	6090057.82 6	237.0852	ng/ml	100
T AR1260 2	7.902	0.0	44164.783	1.0897	ng/ml	100
T AR1260 3	8.539	0.0	1719703.98 1	37.1043	ng/ml	100
T AR1260 1 #2	8.808	0.0	635575.751	3.7823	ng/ml	100
T AR1260 4	9.173	0.0	4559099.36 1	187.5463	ng/ml	100
T AR1260 2 #2	9.203	0.0	14380864.1 14	75.3092	ng/ml	100
T AR1260 3 #2	9.758	0.0	4513667.02 6	19.3566	ng/ml	100
T AR1260 5	10.035	0.0	883109.718	32.3570	ng/ml	100
T AR1260 4 #2	0.000		0	N.D.		
T AR1260 5 #2	10.878	0.0	8092713.73 8	50.2524	ng/ml	100

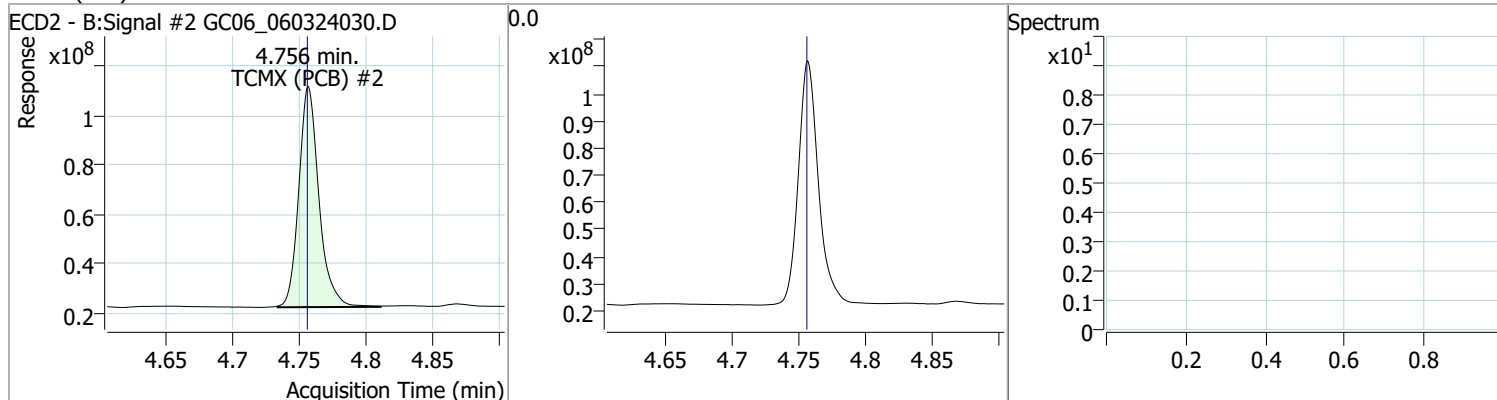
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

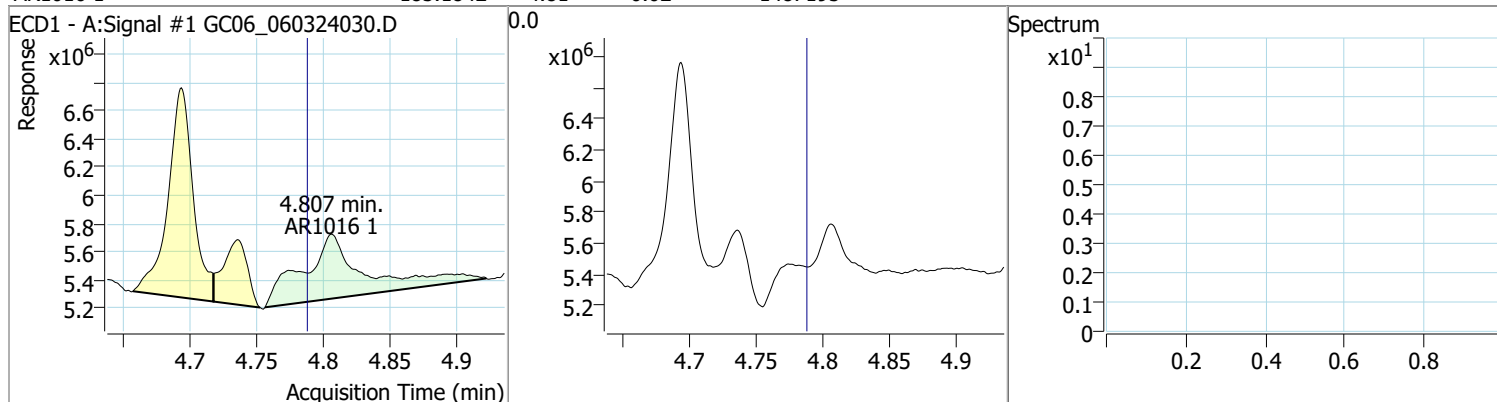
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.1515	4.47	0.00	15941027				



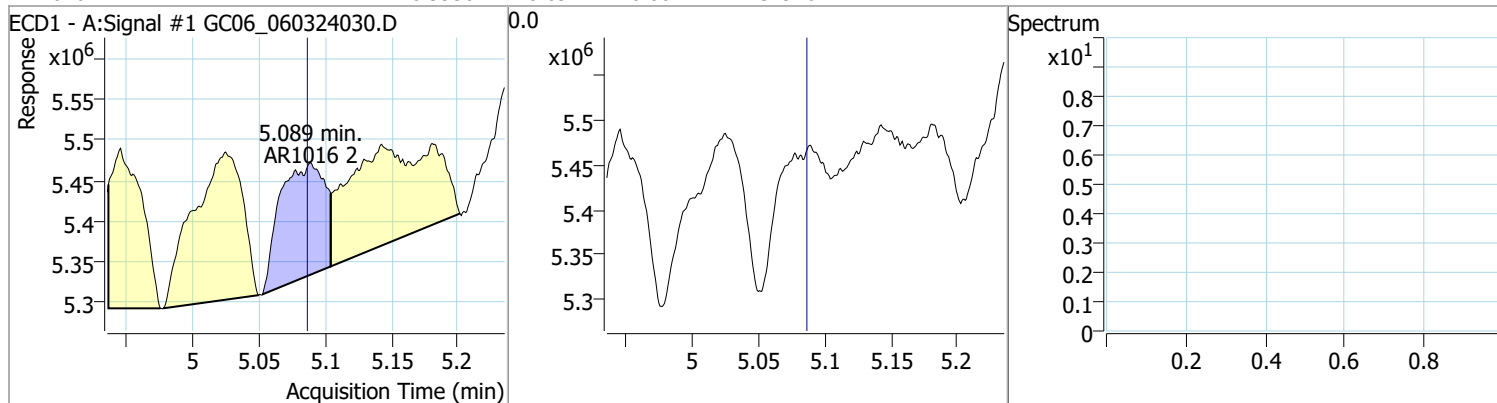
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.5226	4.76	0.00	94923720				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	185.1842	4.81	0.02	1487195				

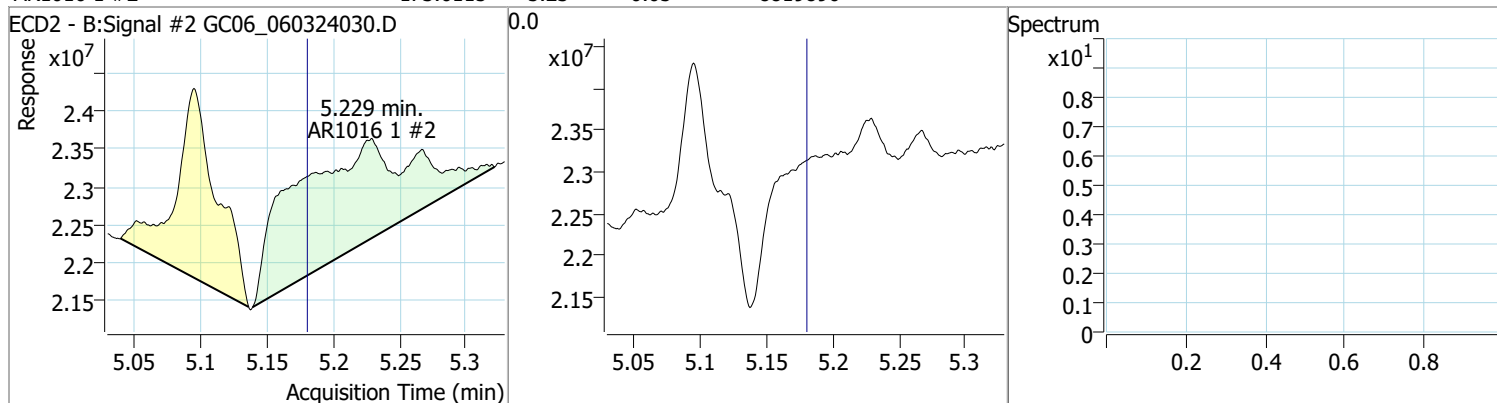


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	20.9930	5.09	0.00	329264				

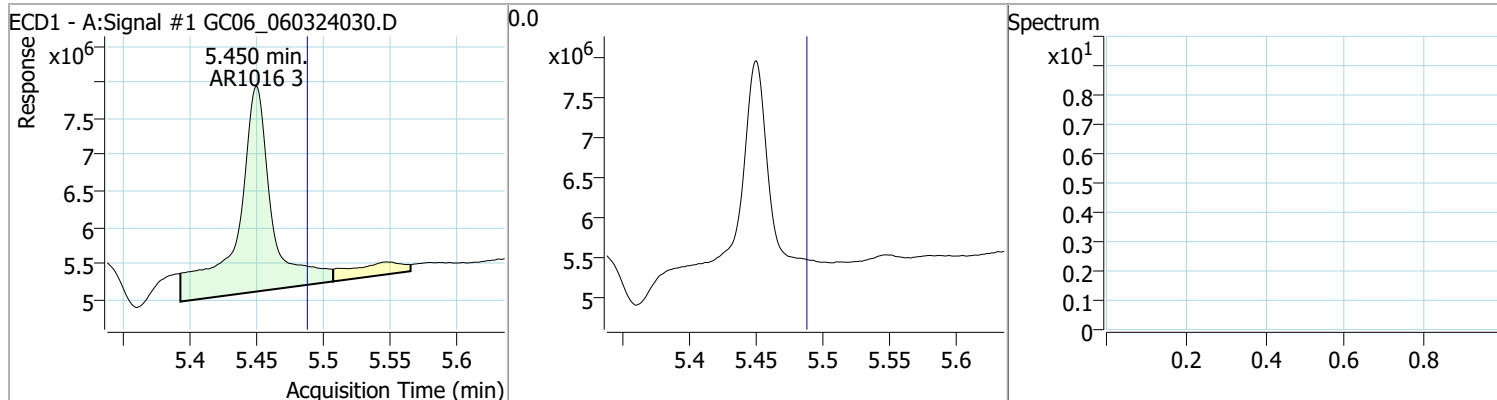


Quantitation Results Report (Not Reviewed)

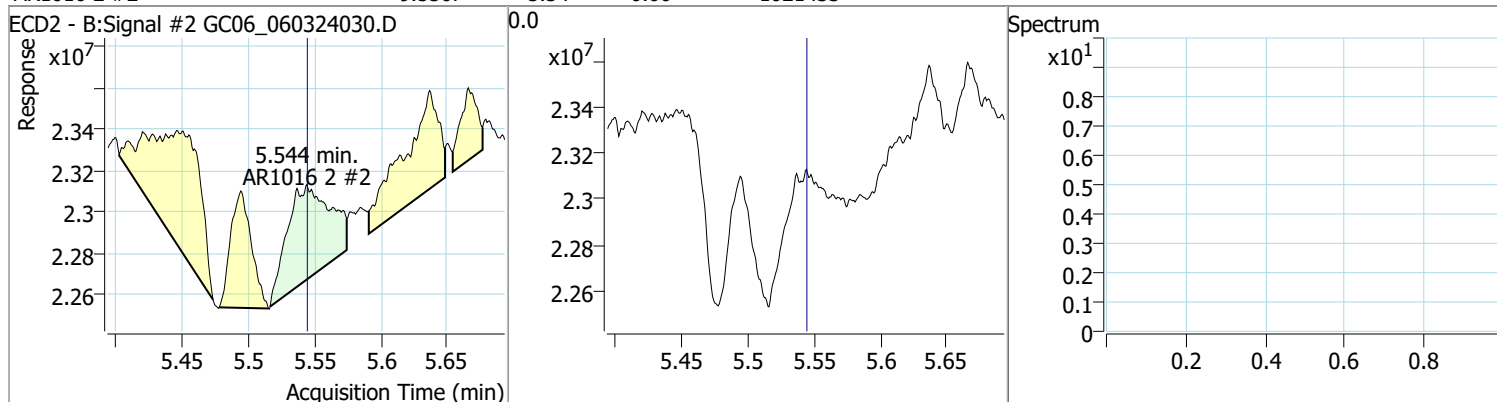
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	173.0115	5.23	0.05	8819890				



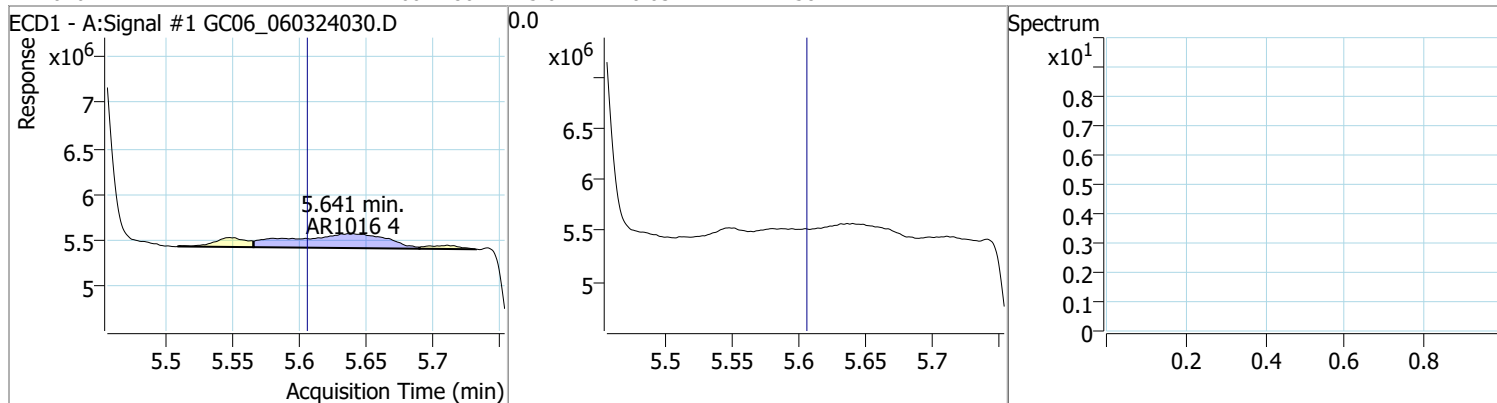
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	237.5341	5.45	-0.04	5070314				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	9.5507	5.54	0.00	1021433				



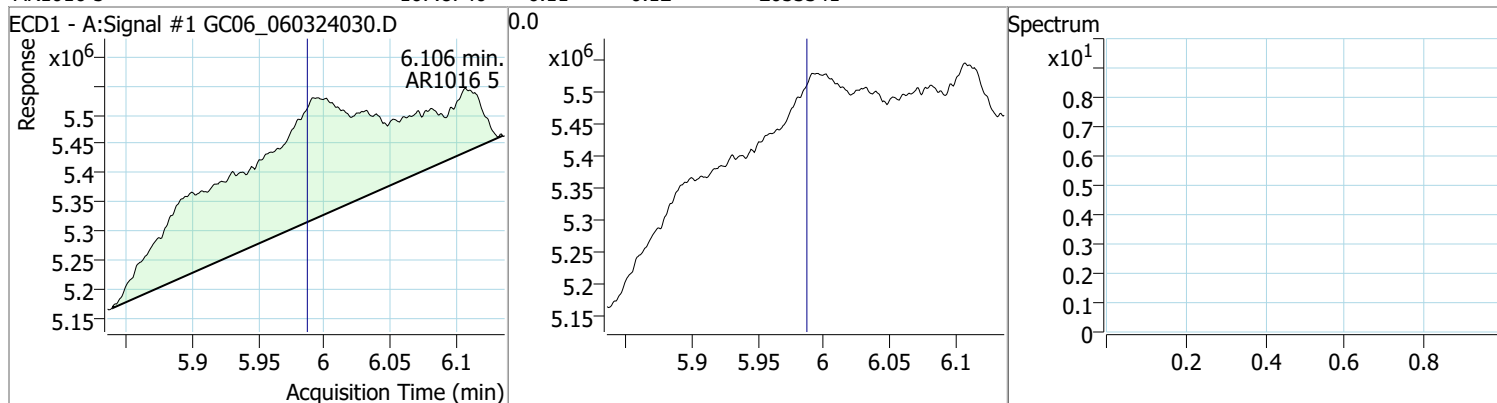
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	60.2180	5.64	0.03	774582				



Quantitation Results Report (Not Reviewed)

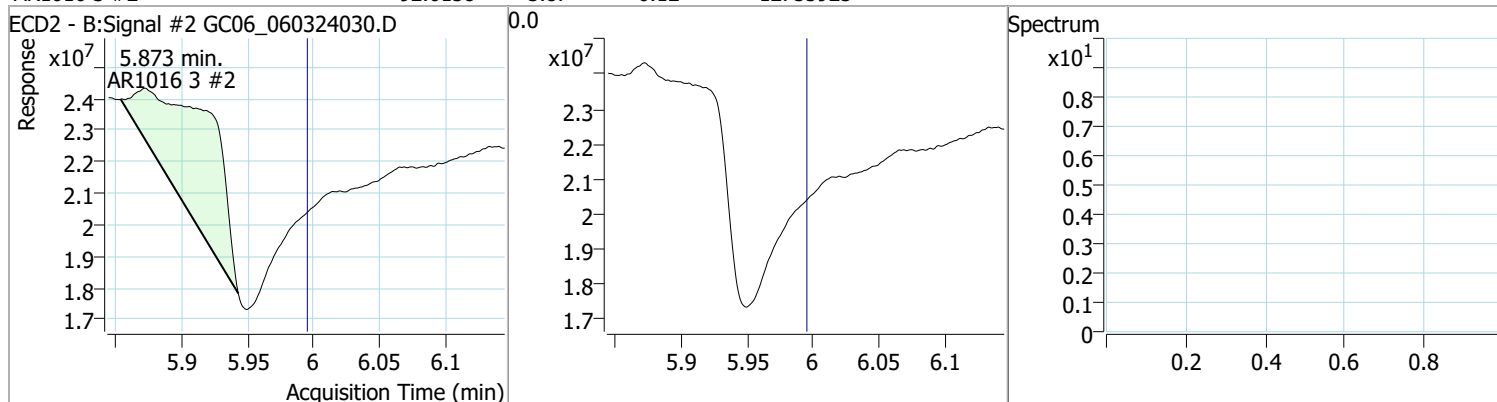
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 5 167.8740 6.11 0.12 2053341



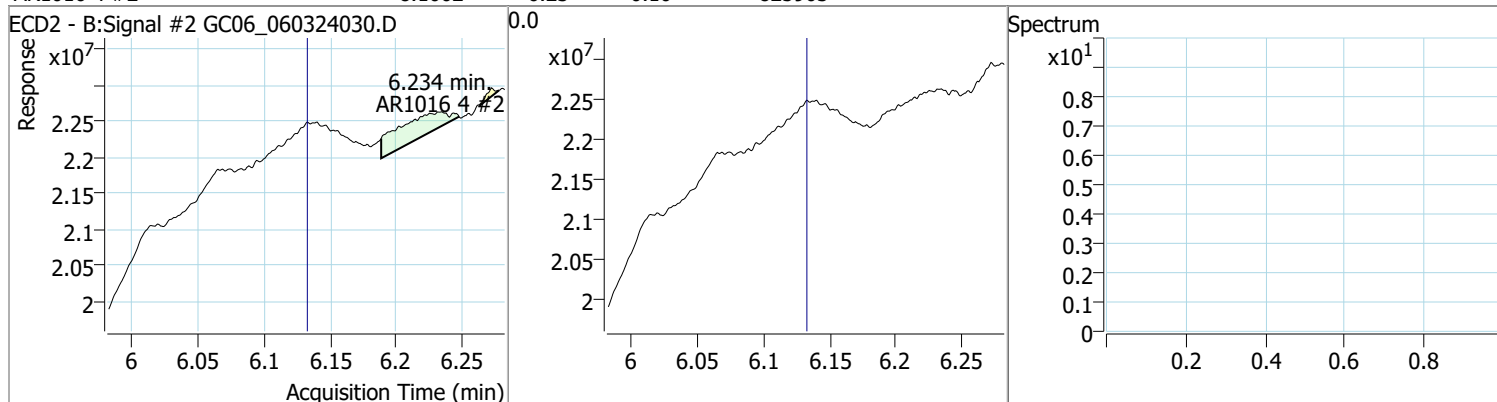
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 3 #2 92.0158 5.87 -0.12 12755925



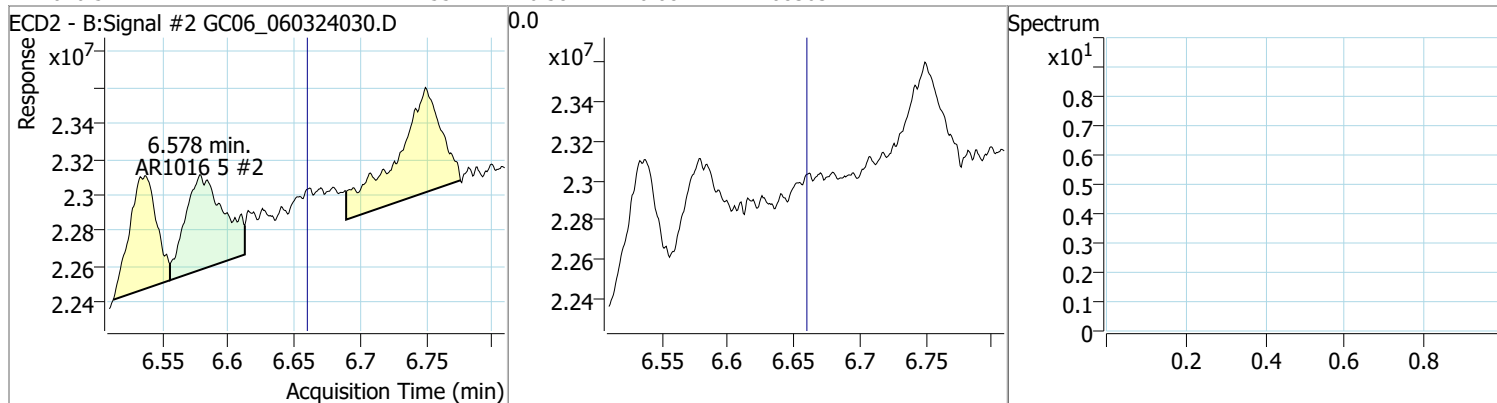
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 4 #2 8.1002 6.23 0.10 825903



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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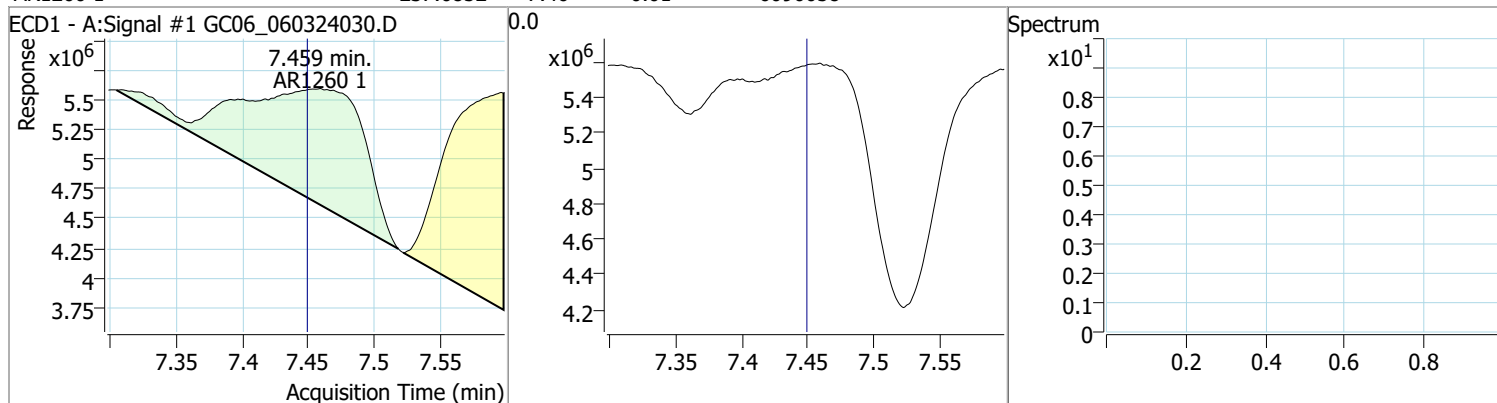
AR1016 5 #2 12.5542 6.58 -0.08 1083634



Quantitation Results Report (Not Reviewed)

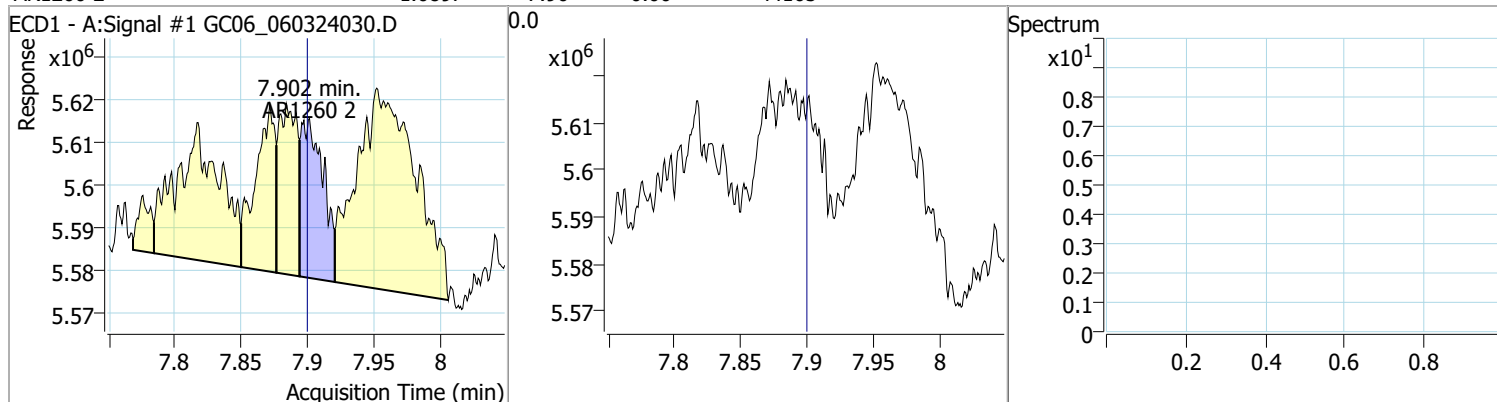
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 237.0852 7.46 0.01 6090058



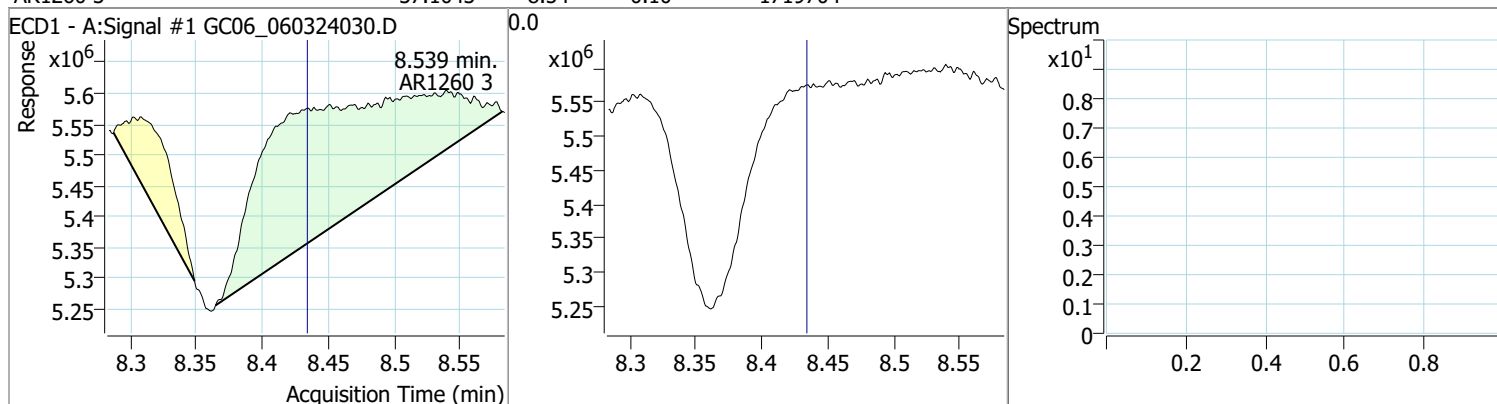
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 1.0897 7.90 0.00 44165



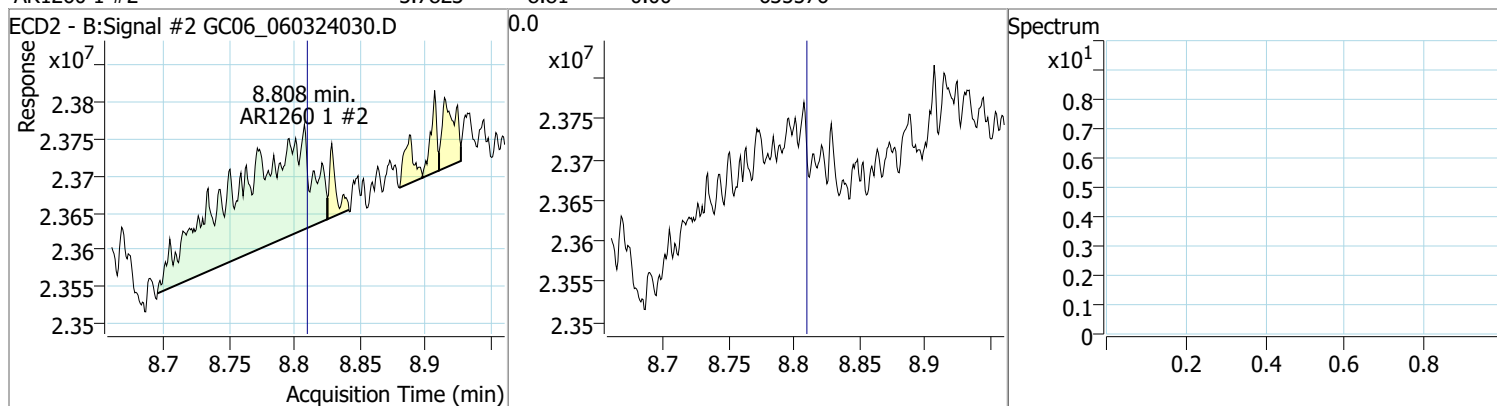
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 37.1043 8.54 0.10 1719704

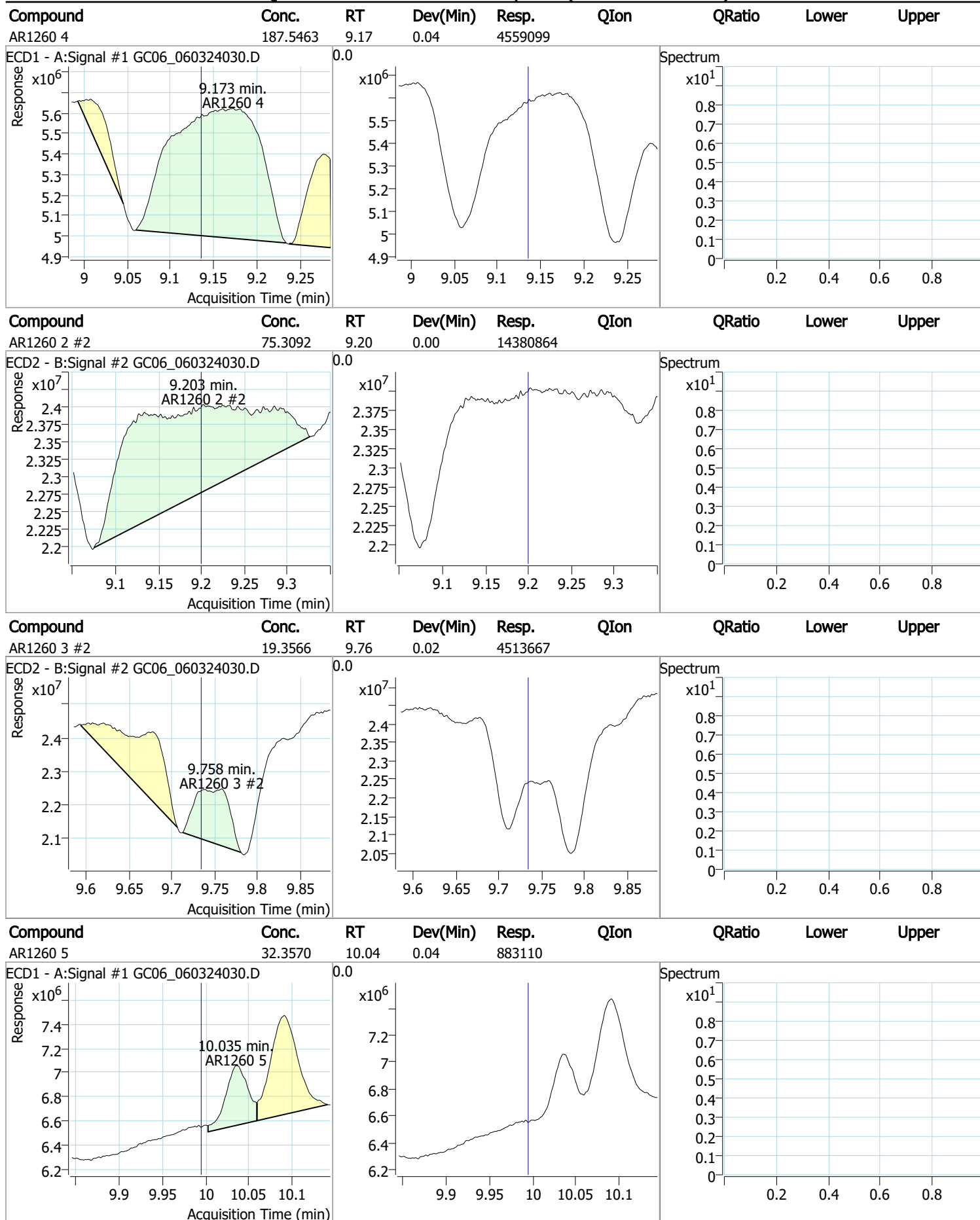


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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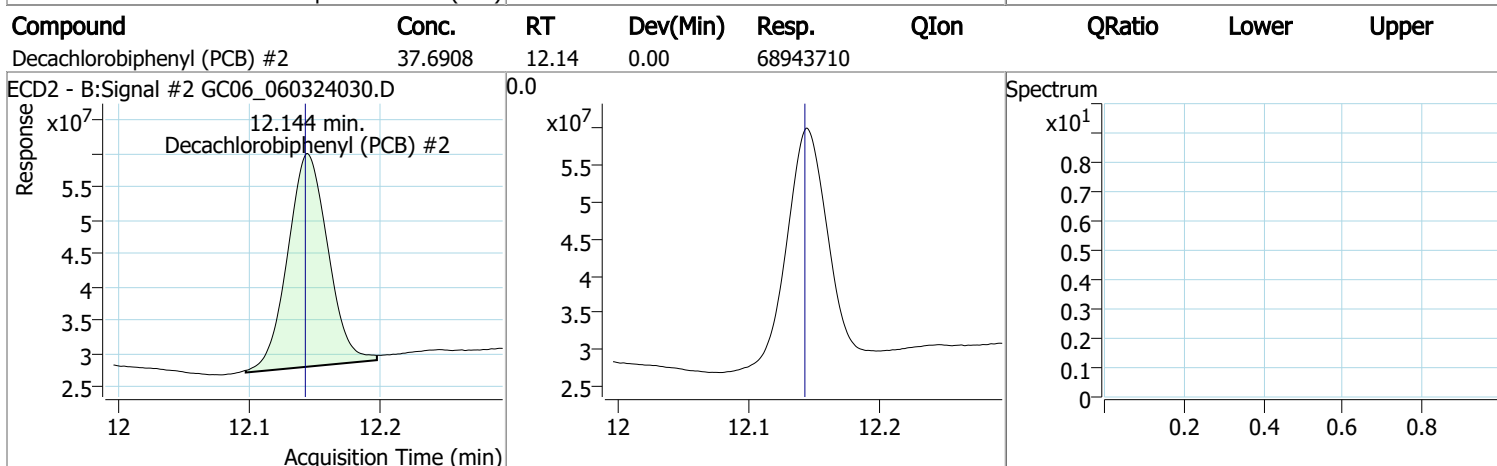
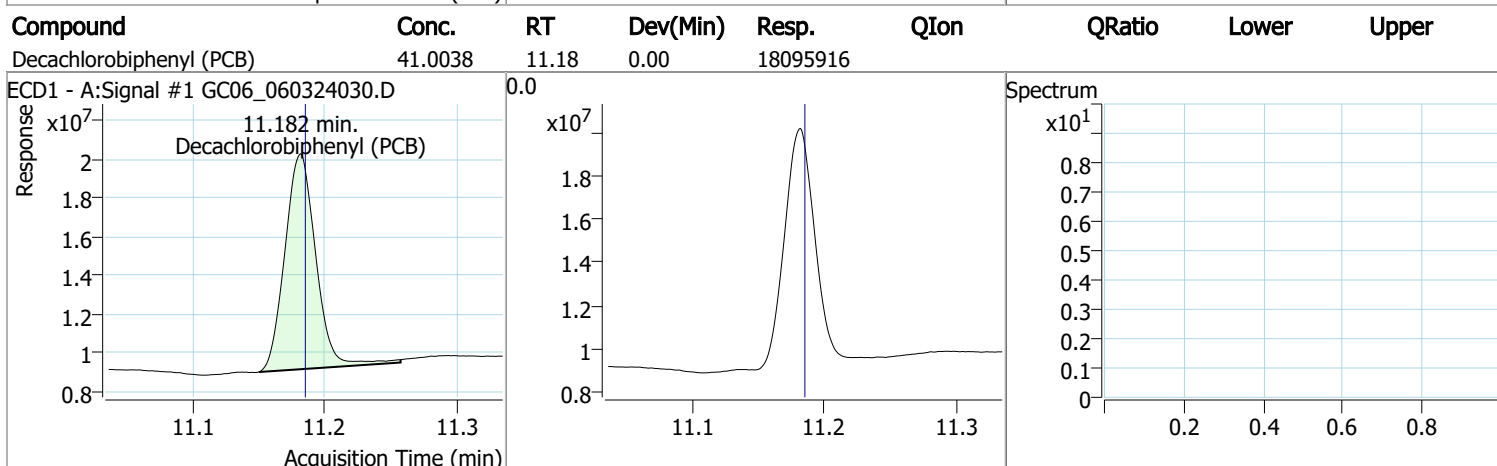
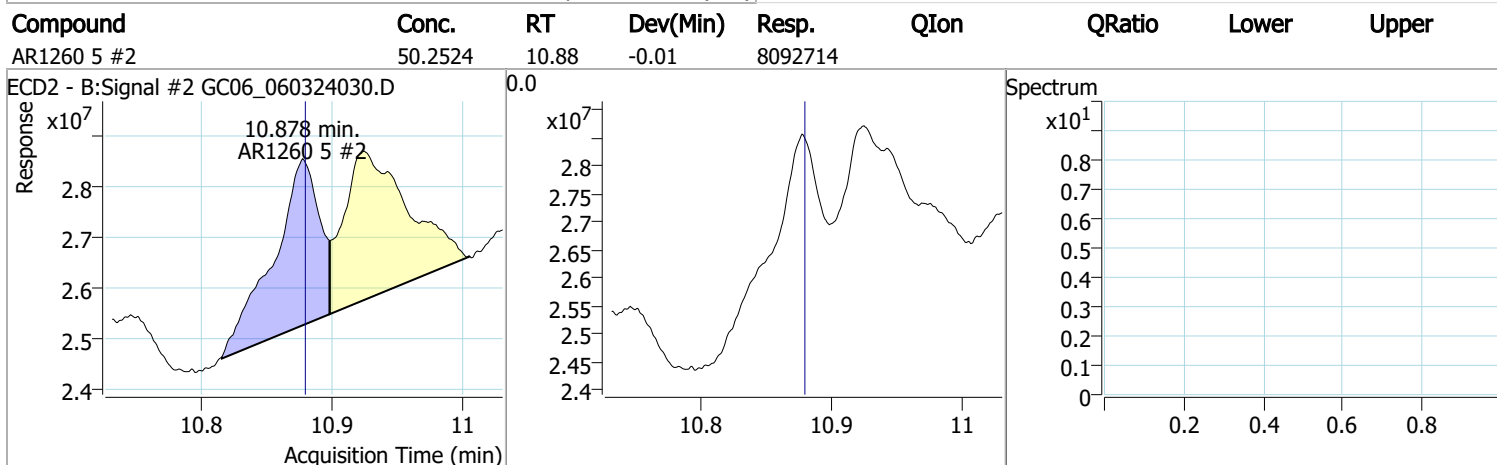
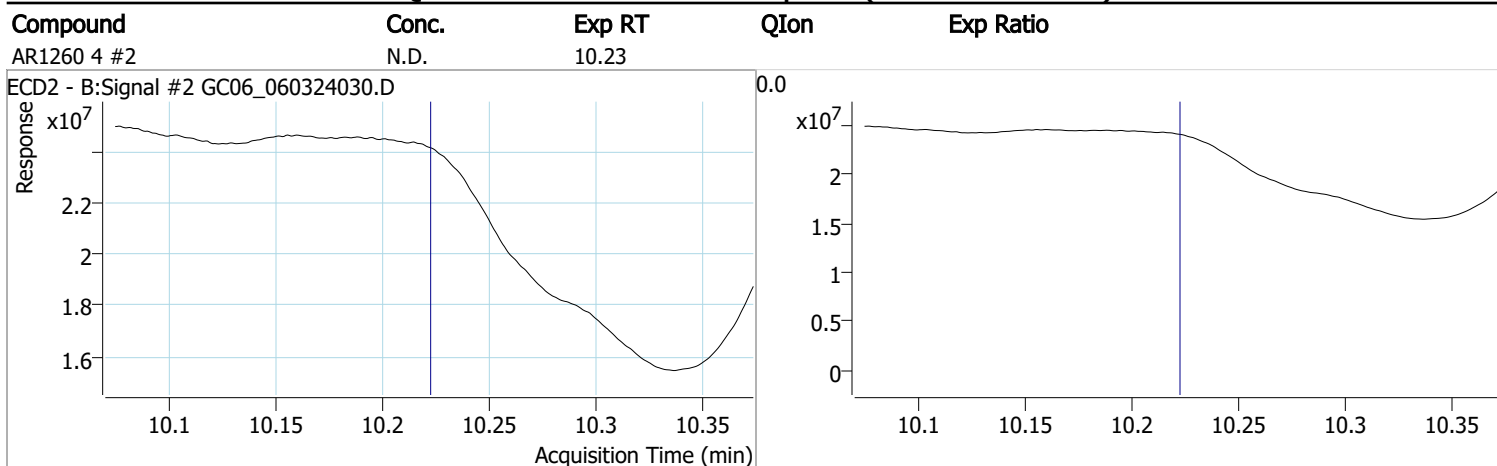
AR1260 1 #2 3.7823 8.81 0.00 635576



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-020	Client ID: DOOR-S-15.7GE-DG-11 TO 25-240530-P-LA
Seqnum: 454224018031	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324031	Batch: 341640	Time: 03-JUN-2024 22:43
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	58.46	0.58 ^{FP}	1.7	98%	0.50		X U
Aroclor-1016 Peak # 1	B	156.7	1.57	1.40	11%			
Aroclor-1016 Peak # 2	B	15.29	0.15	0.25	48%			
Aroclor-1016 Peak # 3	B	108.2	1.08	5.23	131%			
Aroclor-1016 Peak # 4	B	0	ND	0.17				
Aroclor-1016 Peak # 5	B	12.10	0.12	1.53	171%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	31.19	ND	1.1	112%	0.50		u
Aroclor-1260 Peak # 1	B	1.790	0.02	2.67	197%			
Aroclor-1260 Peak # 2	B	80.06	0.80	0.06	170%			
Aroclor-1260 Peak # 3	B	20.22	0.20	0.37	59%			
Aroclor-1260 Peak # 4	B	1.366	0.01	2.01	197%			
Aroclor-1260 Peak # 5	B	52.51	0.53	0.43	19%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	41.59	0.5000	0.4159	83	19-121	u
Decachlorobiphenyl (PCB)	B	41.40	0.5000	0.4140	83	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	48630846	-4.13
1-bromo-2-nitrobenzene (PCB)	A	9322089	7922674	-15.01

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

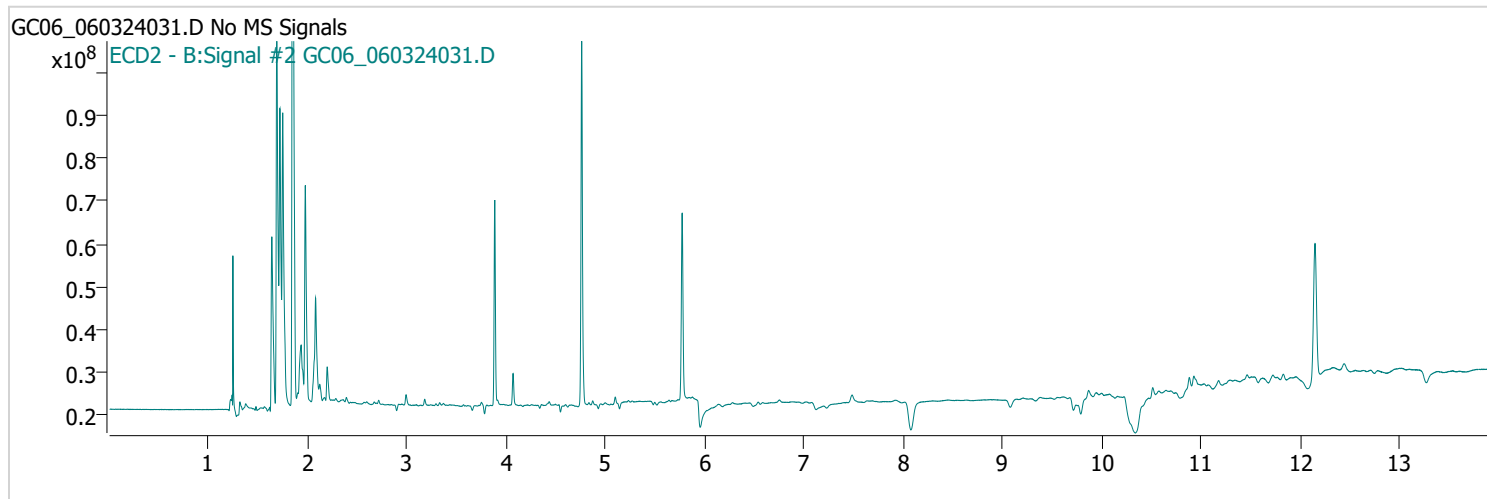
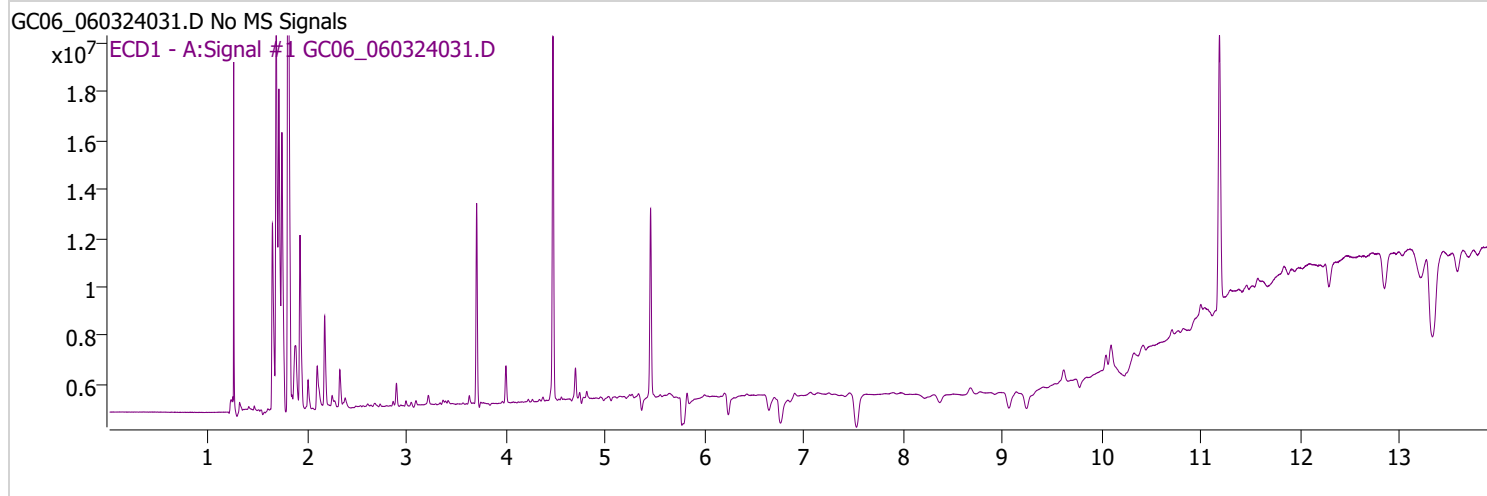
06/04/24 : WIPE/1S-10ML

u=use x=false positive

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324031.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 10:43:06 PM
Sample Name	509117-020, 341640, 1	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	7922674.396	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	48630846.322	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.467	0.0	15075177.306	41.1687	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.84%	*	
S TCMX (PCB) #2	4.757	0.0	89150606.512	41.5943	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.97%	*	
S Decachlorobiphenyl (PCB)	11.181	0.0	18266541.844	42.7472	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.74%	*	
S Decachlorobiphenyl (PCB) #2	12.144	0.0	72712523.021	41.4014	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.01%	*	

Target Compounds

GC06_060324031.D

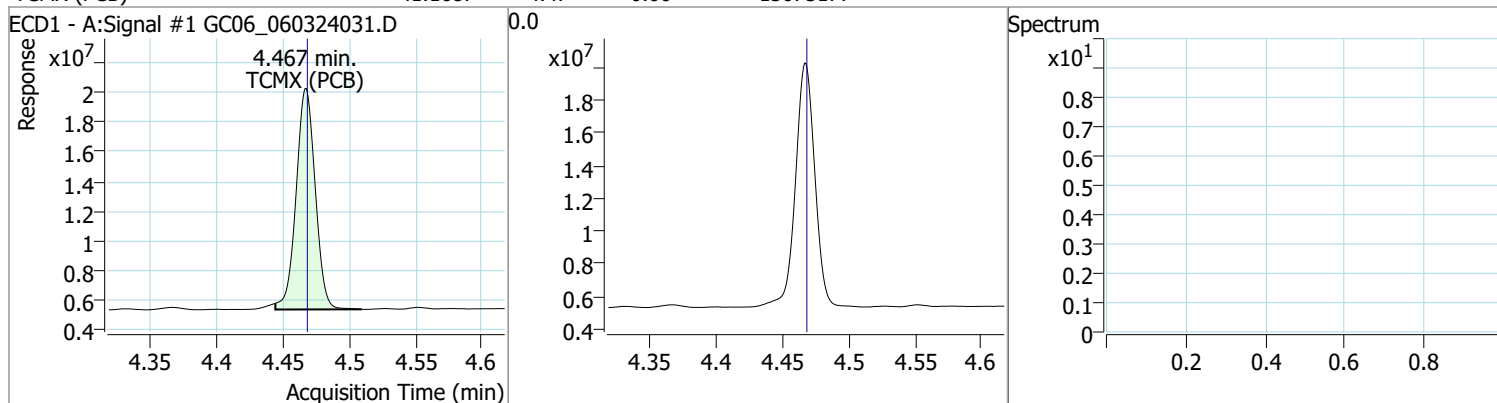
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.808	0.0	1090322.80 1	140.2165	ng/ml	100
T AR1016 2	5.090	0.0	377267.431	24.8421	ng/ml	100
T AR1016 1 #2	5.228	0.0	7668485.62 1	156.6699	ng/ml	100
T AR1016 3	5.451	0.0	10188326.1 64	492.9490	ng/ml	100
T AR1016 2 #2	5.556	0.0	1570015.50 8	15.2894	ng/ml	100
T AR1016 4	5.599	0.0	215745.557	17.3224	ng/ml	100
T AR1016 5	5.994	0.0	1815679.65 3	153.3097	ng/ml	100
T AR1016 3 #2	5.871	0.0	14405381.0 20	108.2279	ng/ml	100
T AR1016 4 #2	0.000		0	N.D.		
T AR1016 5 #2	6.580	0.0	1002932.56 1	12.1016	ng/ml	100
T AR1260 1	7.458	0.0	6642700.35 3	267.0765	ng/ml	100
T AR1260 2	7.896	0.0	251997.047	6.4218	ng/ml	100
T AR1260 3	8.494	0.0	1675792.20 0	37.3421	ng/ml	100
T AR1260 1 #2	8.779	0.0	288881.018	1.7905	ng/ml	100
T AR1260 4	9.134	0.0	4736887.88 0	201.2475	ng/ml	100
T AR1260 2 #2	9.208	0.0	14678497.6 97	80.0588	ng/ml	100
T AR1260 3 #2	9.739	0.0	4527103.80 6	20.2201	ng/ml	100
T AR1260 5	10.039	0.0	1145687.65 1	43.3539	ng/ml	100
T AR1260 4 #2	10.080	0.0	155251.752	1.3657	ng/ml	100
T AR1260 5 #2	10.878	0.0	8118906.72 3	52.5079	ng/ml	100

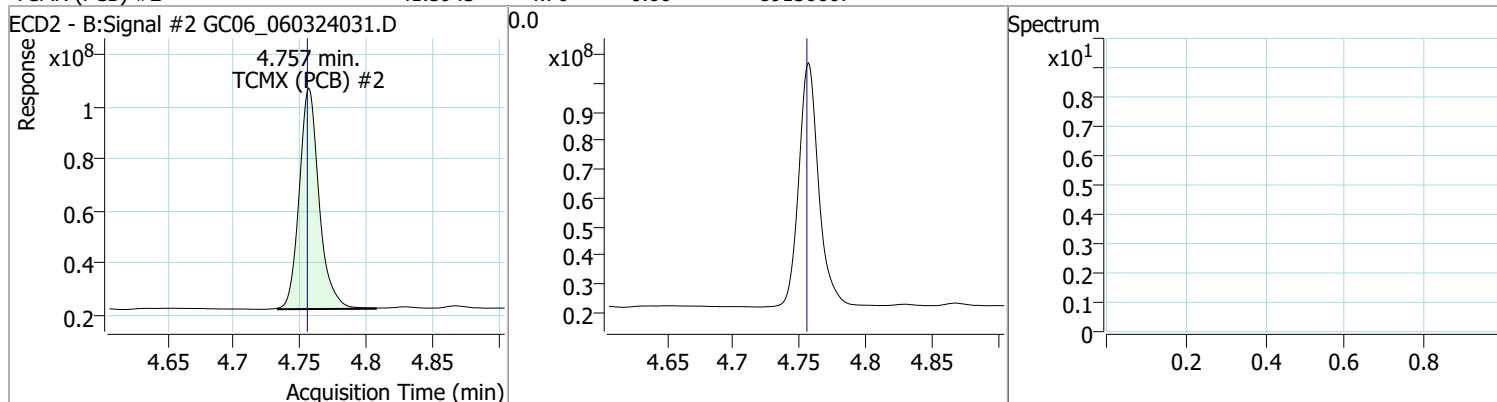
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

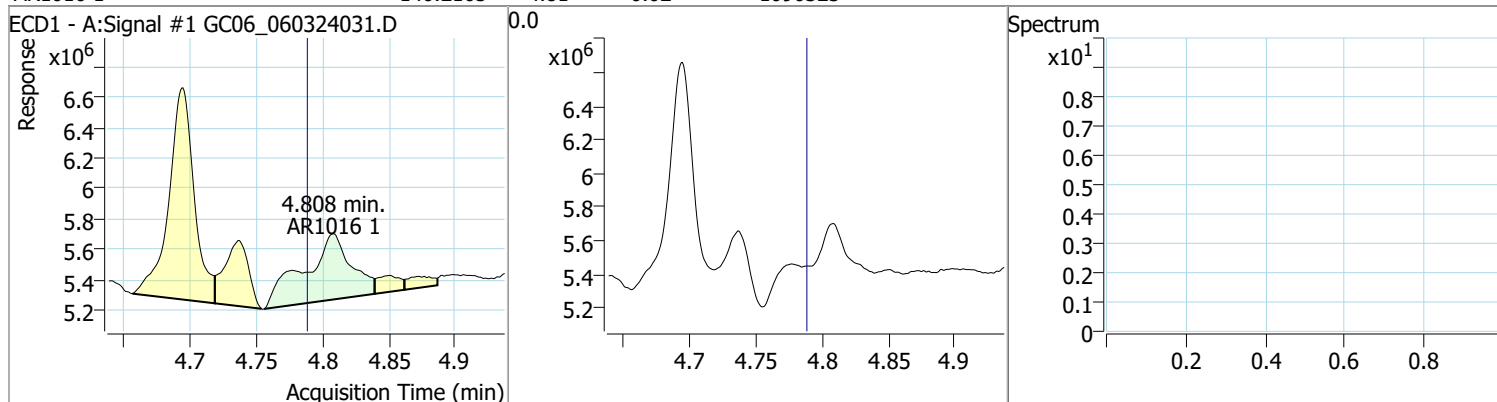
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.1687	4.47	0.00	15075177				



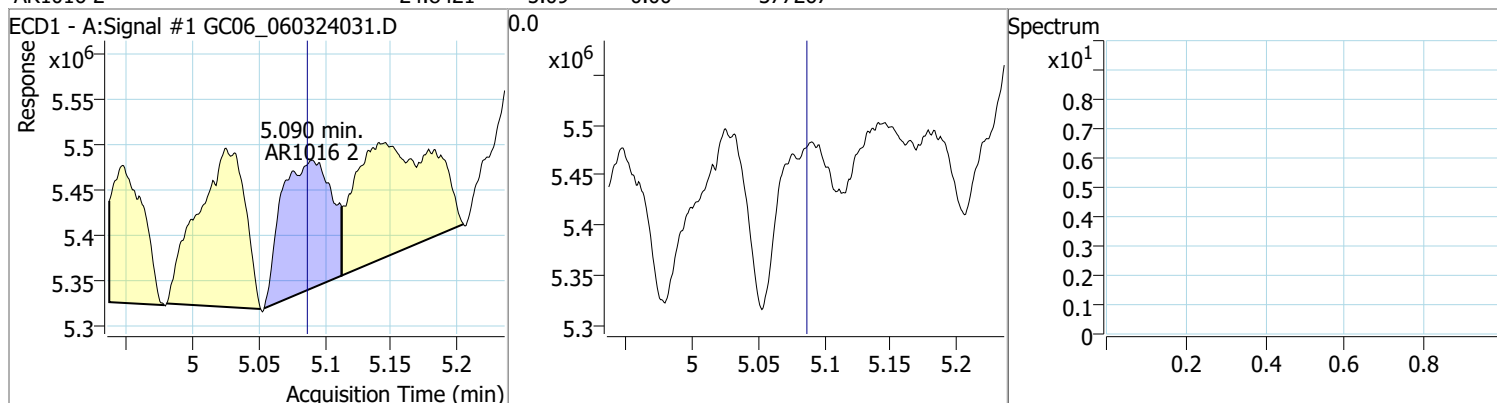
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.5943	4.76	0.00	89150607				



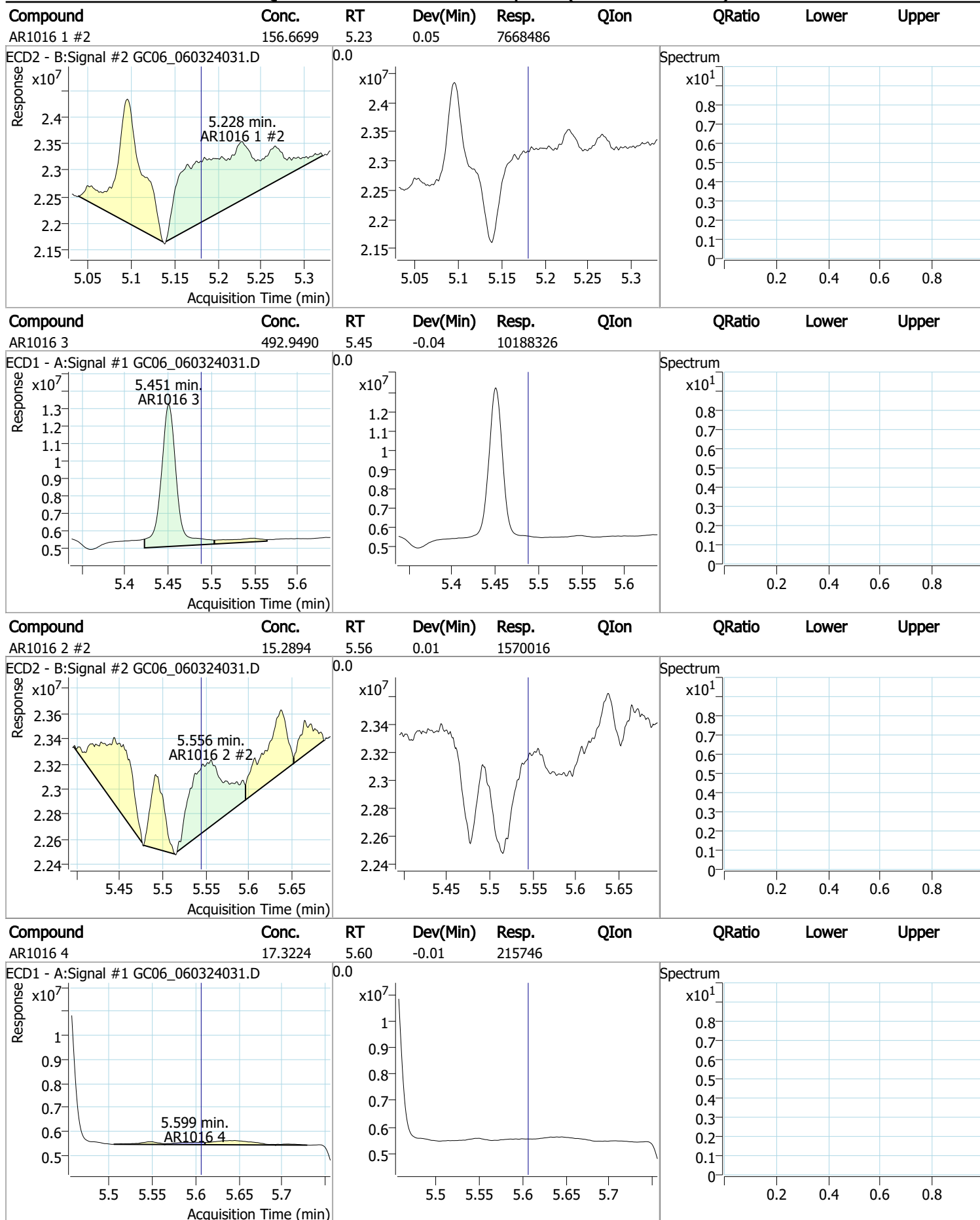
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	140.2165	4.81	0.02	1090323				



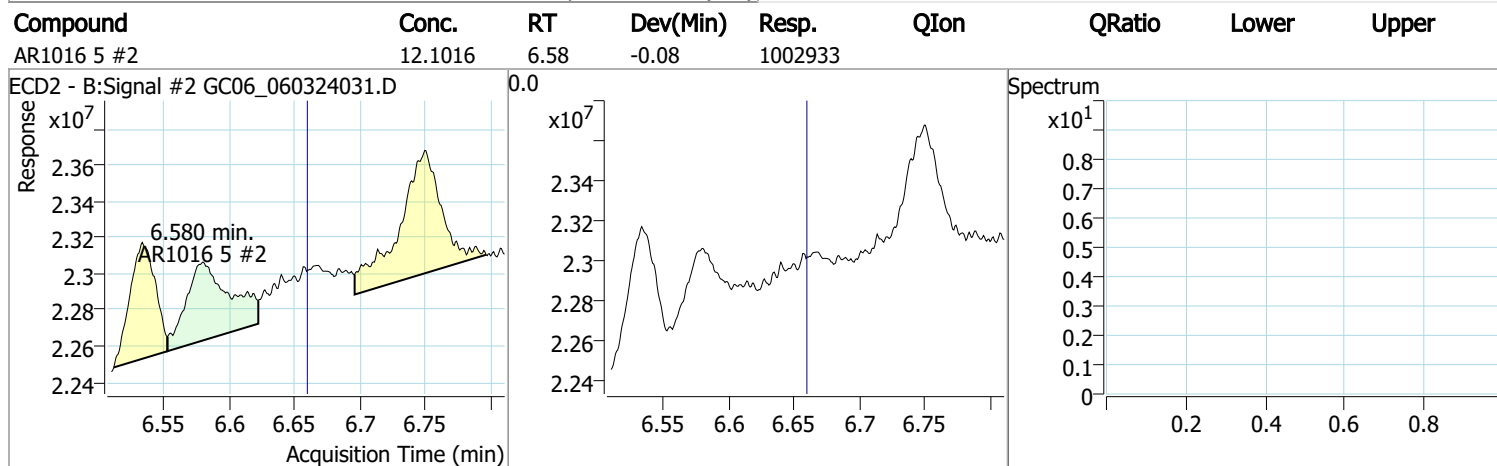
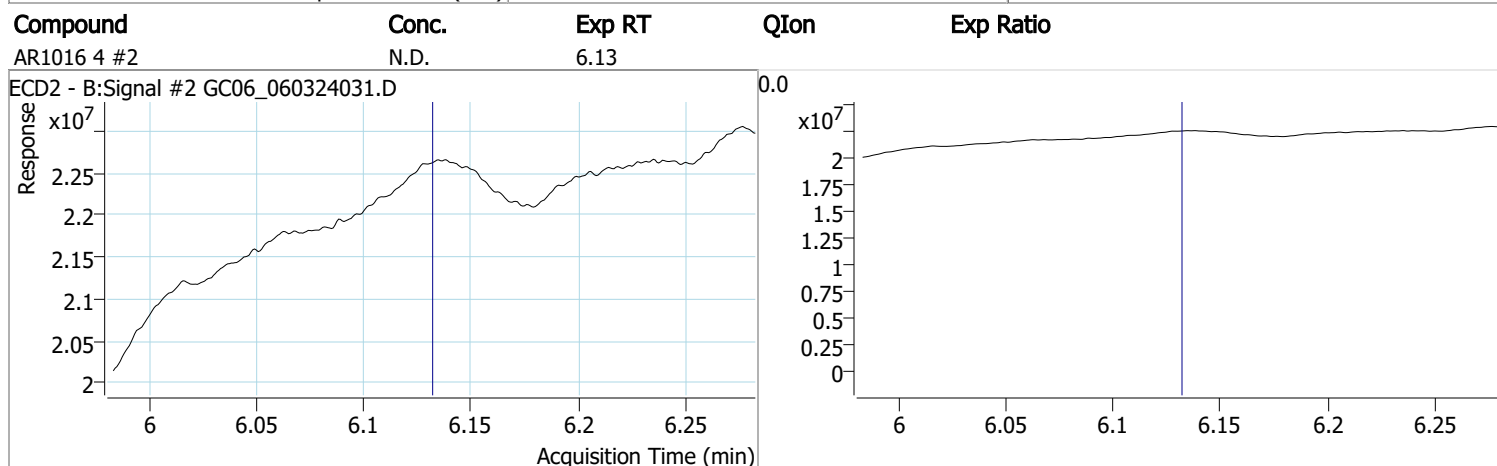
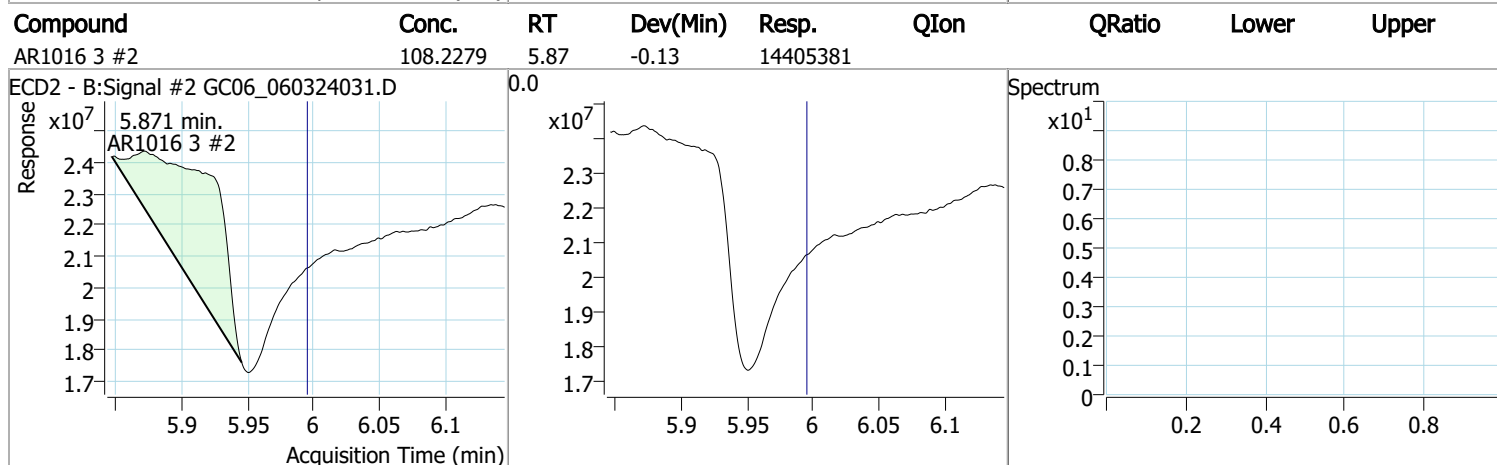
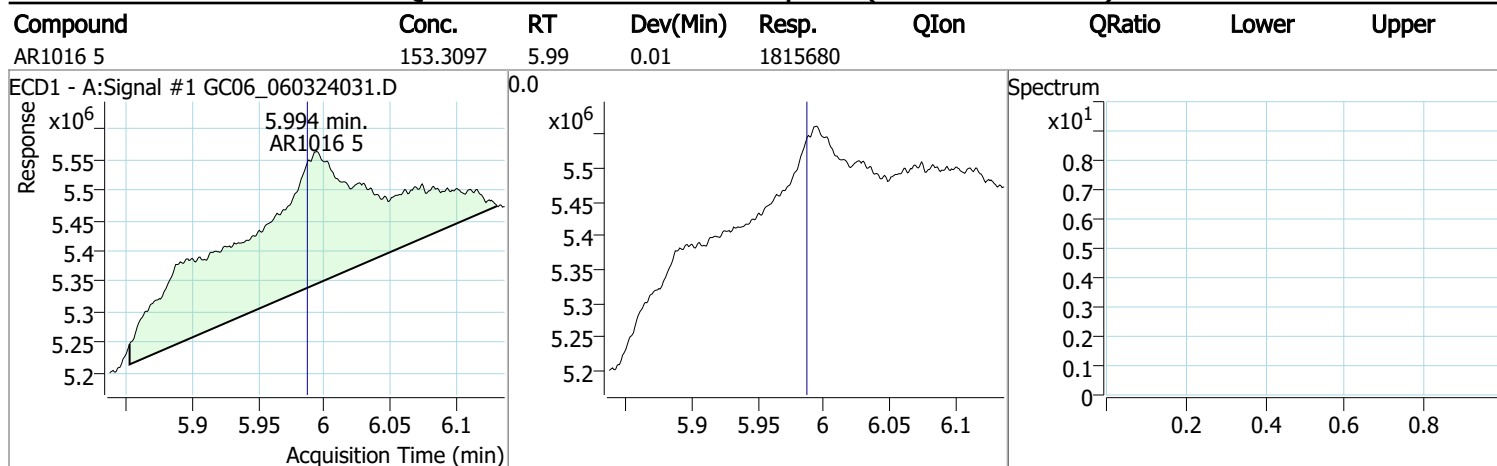
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.8421	5.09	0.00	377267				



Quantitation Results Report (Not Reviewed)

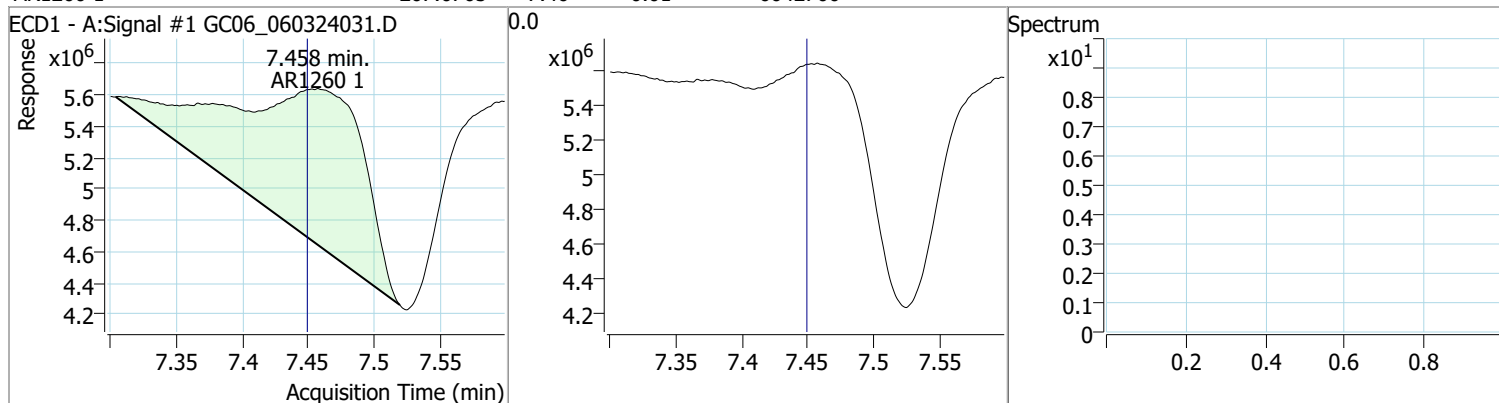


Quantitation Results Report (Not Reviewed)

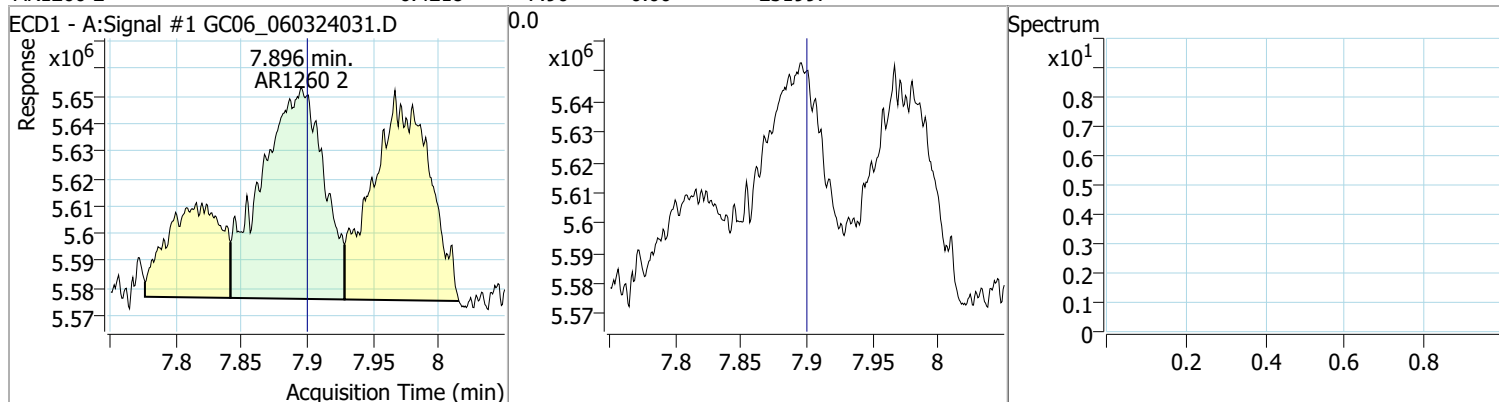


Quantitation Results Report (Not Reviewed)

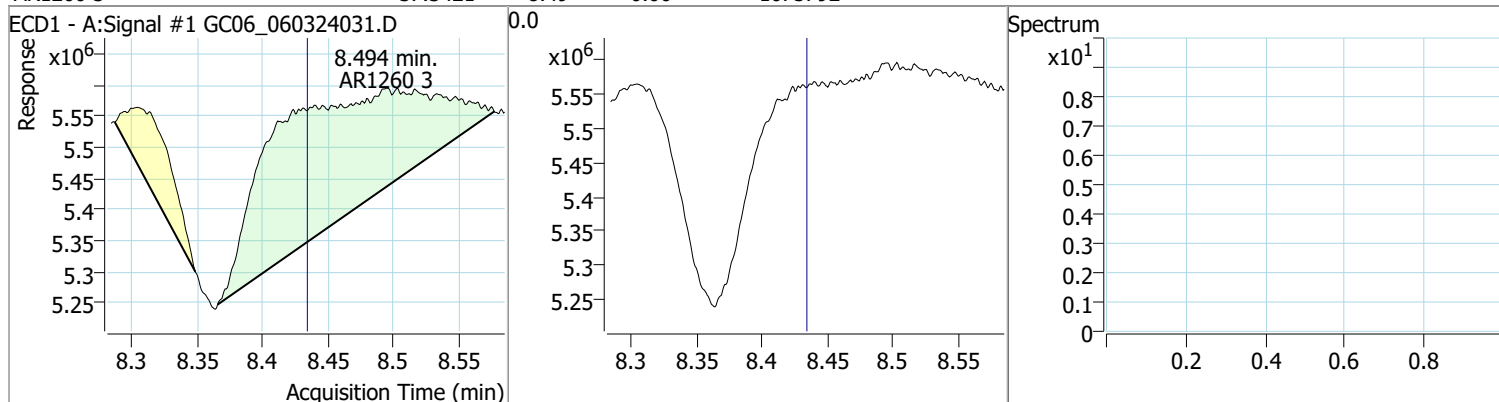
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	267.0765	7.46	0.01	6642700				



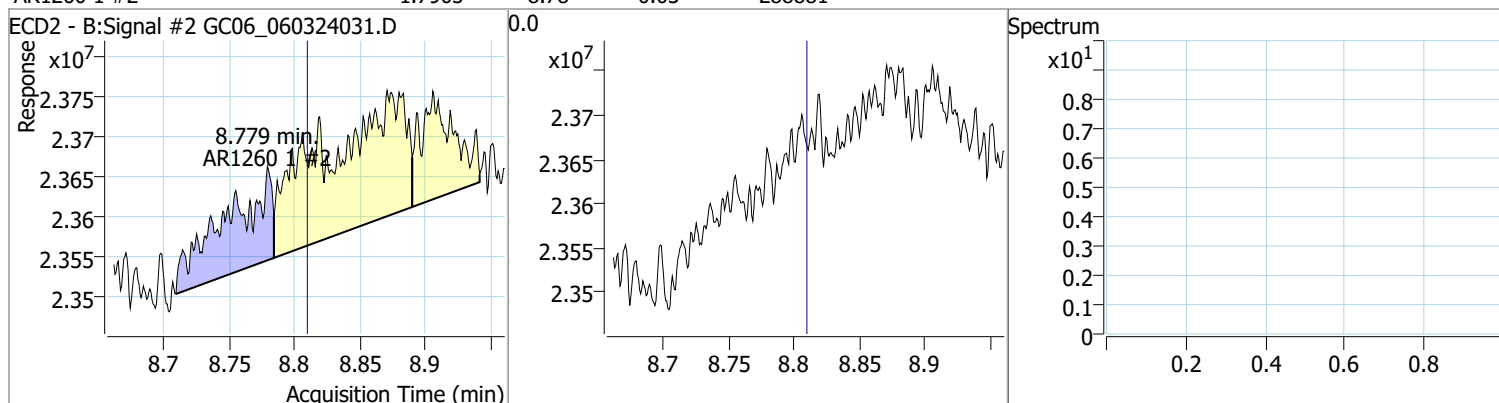
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	6.4218	7.90	0.00	251997				



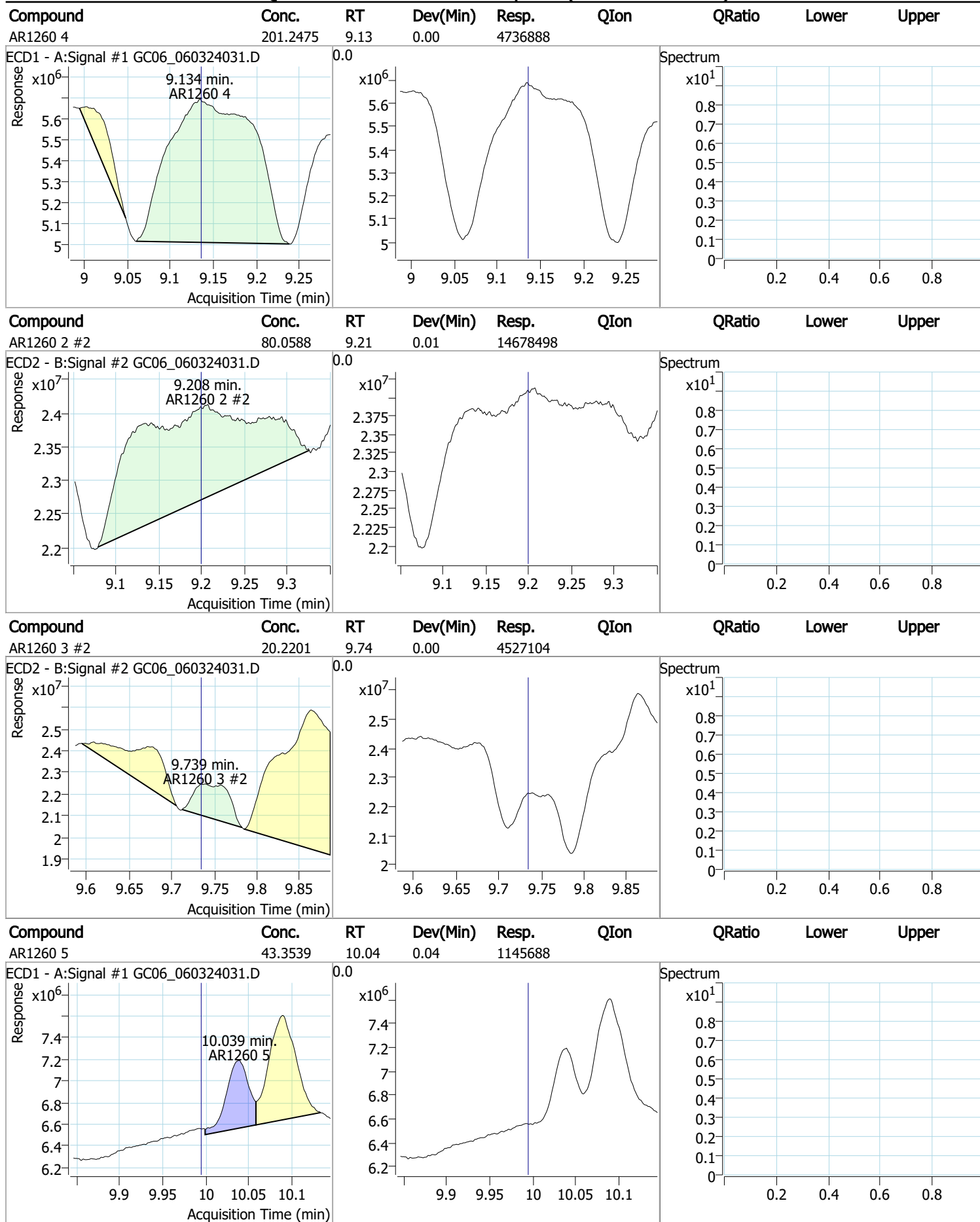
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	37.3421	8.49	0.06	1675792				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.7905	8.78	-0.03	288881				

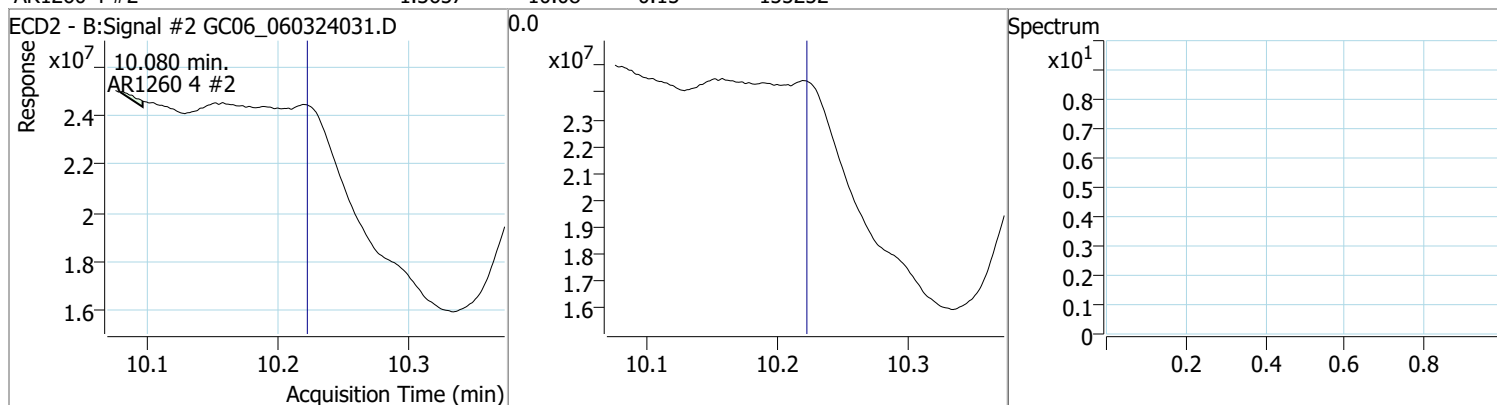


Quantitation Results Report (Not Reviewed)

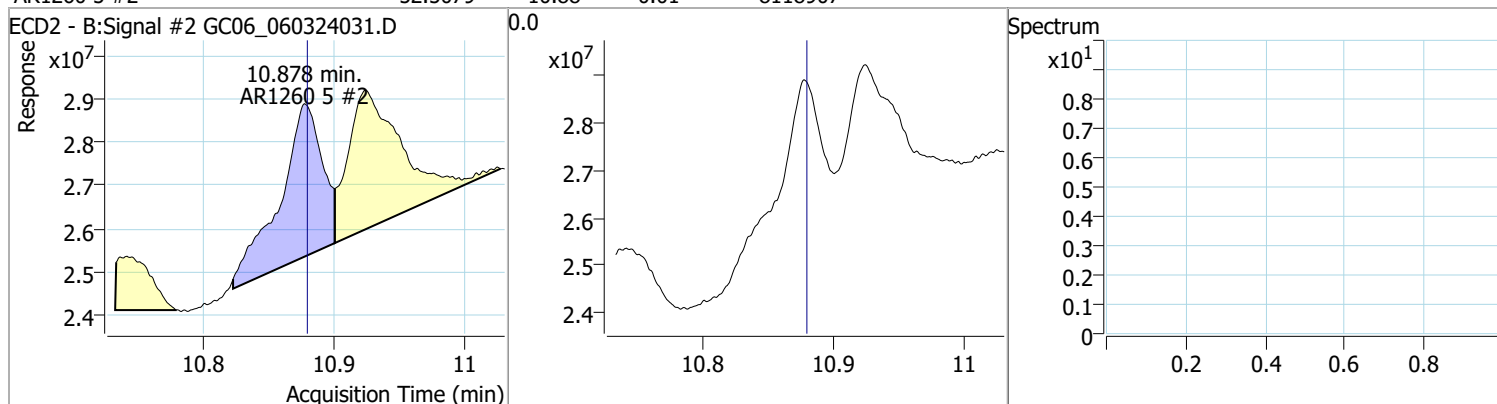


Quantitation Results Report (Not Reviewed)

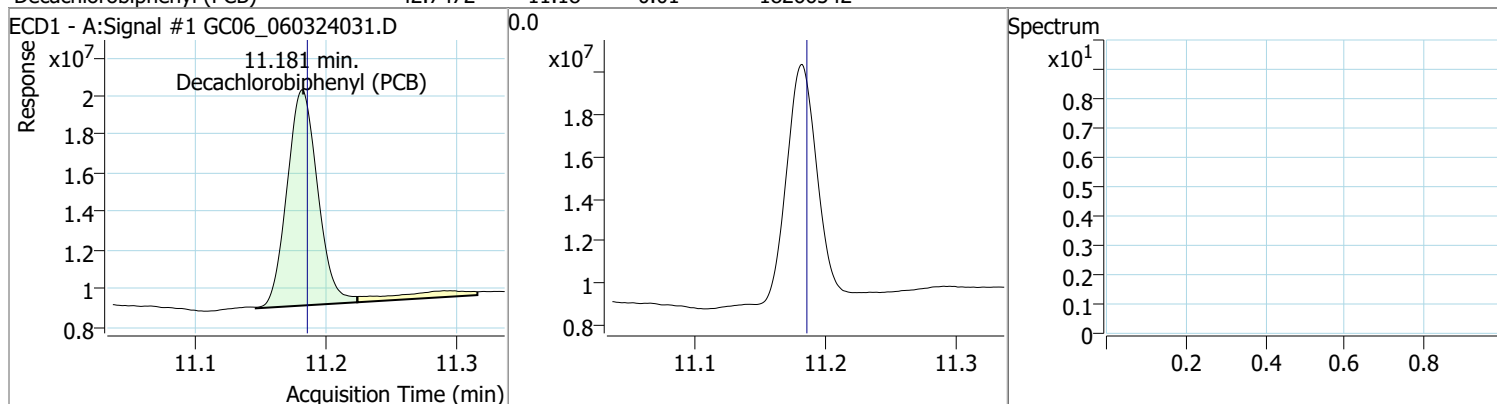
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.3657	10.08	-0.15	155252				



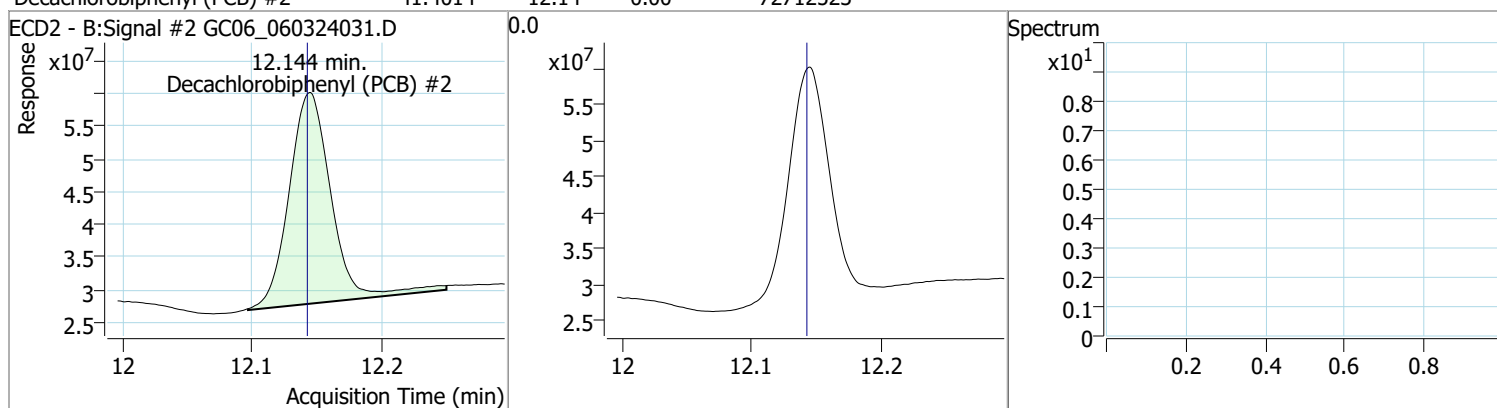
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.5079	10.88	-0.01	8118907				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.7472	11.18	-0.01	18266542				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.4014	12.14	0.00	72712523				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-022	Client ID: DOOR-S-15.7GW-DG-11 TO 25-240530-P-LA
Seqnum: 454224018032	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324032	Batch: 341640	Time: 03-JUN-2024 23:01
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	70.44	0.70 FP	1.8	89%	0.50		X U
Aroclor-1016 Peak # 1	B	156.0	1.56	1.27	21%			
Aroclor-1016 Peak # 2	B	5.878	0.06	0.23	119%			
Aroclor-1016 Peak # 3	B	87.42	0.87	6.47	152%			
Aroclor-1016 Peak # 4	B	38.13	0.38	0.12	107%			
Aroclor-1016 Peak # 5	B	64.80	0.65	1.07	49%			
Aroclor-1221	B		ND			0.50		U
Aroclor-1232	B		ND			0.50		U
Aroclor-1242	B		ND			0.50		U
Aroclor-1248	B		ND			0.50		U
Aroclor-1254	B		ND			0.50		U
Aroclor-1260	B	37.07	ND	1.1	96%	0.50		U
Aroclor-1260 Peak # 1	B	25.45	0.25	2.29	160%			
Aroclor-1260 Peak # 2	B	85.57	0.86	0.04	181%			
Aroclor-1260 Peak # 3	B	21.47	0.21	0.36	51%			
Aroclor-1260 Peak # 4	B	0.6256	0.01	2.07	199%			
Aroclor-1260 Peak # 5	B	52.24	0.52	0.49	6%			
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	46.67	0.5000	0.4667	93	19-121	U
Decachlorobiphenyl (PCB)	B	42.59	0.5000	0.4259	85	19-121	U

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	50360375	-0.73
1-bromo-2-nitrobenzene (PCB)	A	9322089	8468113	-9.16

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

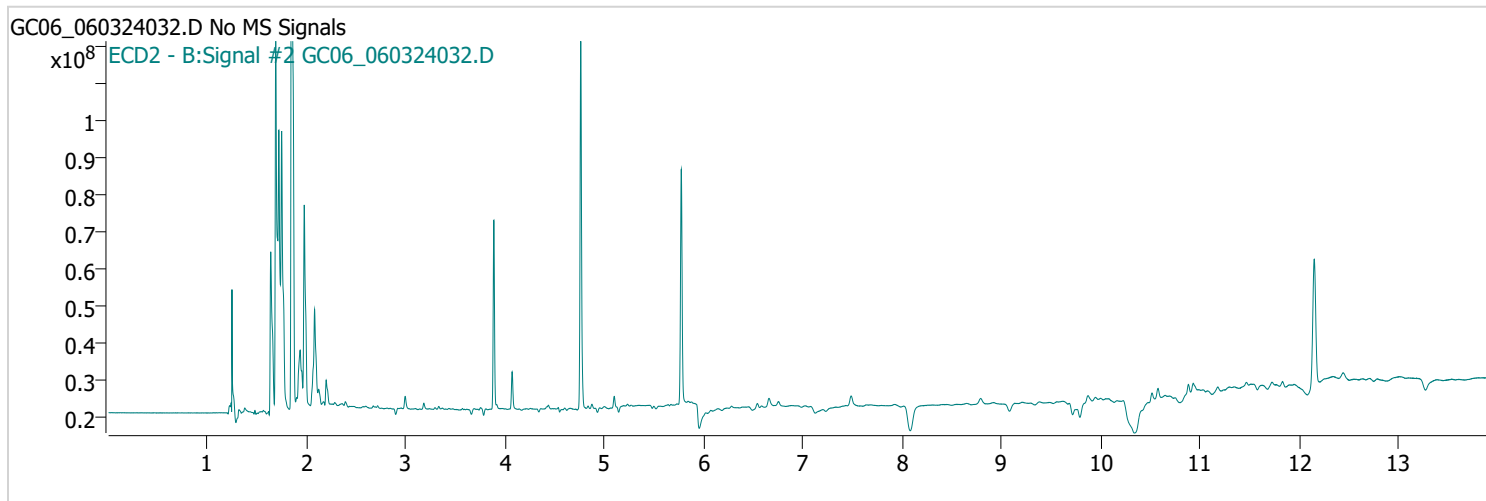
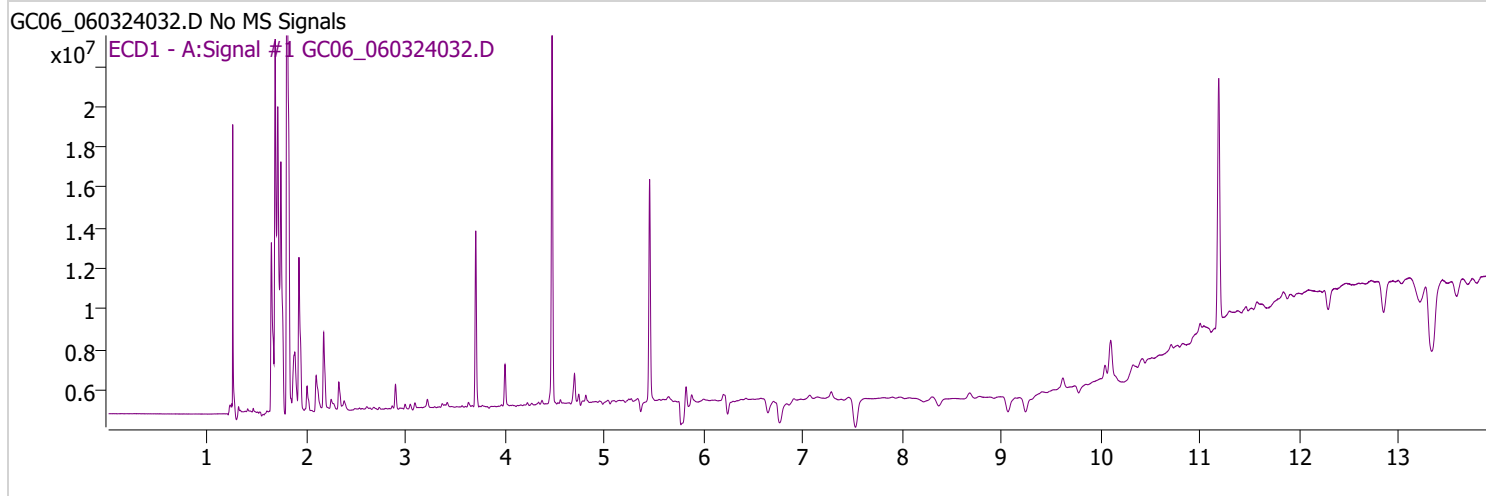
06/04/24 : WIPE/1S-10ML

u=use x=false positive

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324032.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 11:01:43 PM
Sample Name	509117-022, 341640, 1	Instrument	SVOA-GC06
Vial	22	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	8468112.81 3	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	50360375.4 57	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.468	0.0	18347546.4 82	46.8779	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 234.39%	*	
S TCMX (PCB) #2	4.756	0.0	103584393. 649	46.6689	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 233.34%	*	
S Decachlorobiphenyl (PCB)	11.183	0.0	19218093.9 89	42.0772	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.39%	*	
S Decachlorobiphenyl (PCB) #2	12.145	0.0	77458965.9 57	42.5893	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.95%	*	

Target Compounds

GC06_060324032.D

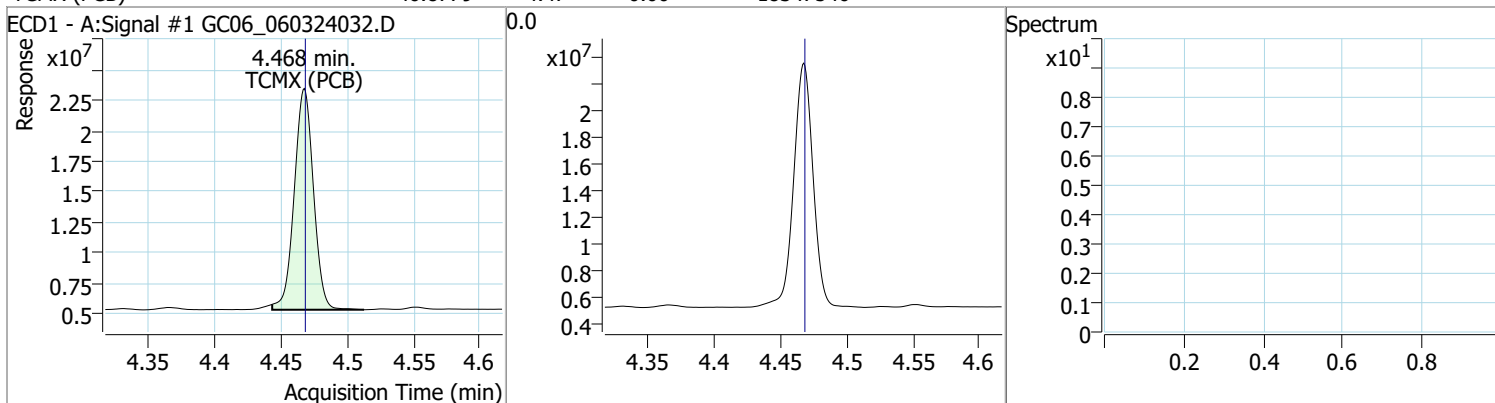
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.808	0.0	1051946.11 3	126.5677	ng/ml	100
T AR1016 2	5.093	0.0	376199.039	23.1762	ng/ml	100
T AR1016 1 #2	5.227	0.0	7905223.08 1	155.9599	ng/ml	100
T AR1016 3	5.450	0.0	13469575.2 28	609.7309	ng/ml	100
T AR1016 2 #2	5.493	0.0	625037.633	5.8778	ng/ml	100
T AR1016 4	5.588	0.0	154589.282	11.6127	ng/ml	100
T AR1016 5	5.992	0.0	1354893.80 0	107.0338	ng/ml	100
T AR1016 3 #2	5.872	0.0	12049499.1 85	87.4191	ng/ml	100
T AR1016 4 #2	6.141	0.0	3865367.62 0	38.1283	ng/ml	100
T AR1016 5 #2	6.652	0.0	5561739.85 6	64.8045	ng/ml	100
T AR1260 1	7.453	0.0	6090427.10 7	229.0994	ng/ml	100
T AR1260 2	7.895	0.0	182604.037	4.3537	ng/ml	100
T AR1260 3	8.529	0.0	1726124.43 1	35.9862	ng/ml	100
T AR1260 1 #2	8.785	0.0	4251667.30 9	25.4469	ng/ml	100
T AR1260 4	9.176	0.0	5220213.47 3	207.4965	ng/ml	100
T AR1260 2 #2	9.212	0.0	16247638.1 47	85.5738	ng/ml	100
T AR1260 3 #2	9.757	0.0	4977301.99 9	21.4674	ng/ml	100
T AR1260 5	10.037	0.0	1395782.55 0	49.4156	ng/ml	100
T AR1260 4 #2	10.082	0.0	73647.715	0.6256	ng/ml	100
T AR1260 5 #2	10.877	0.0	8365261.24 2	52.2432	ng/ml	100

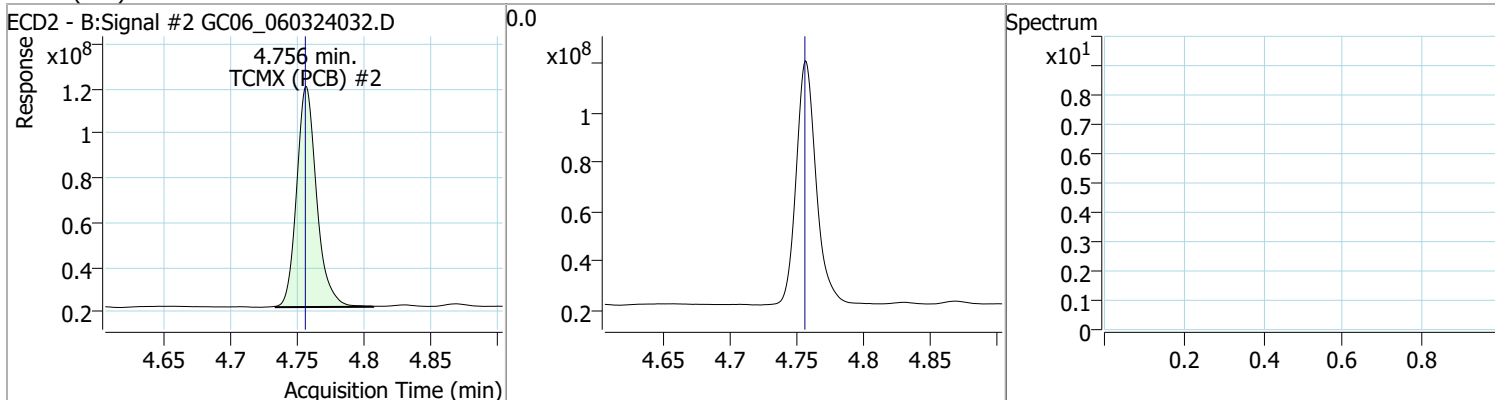
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

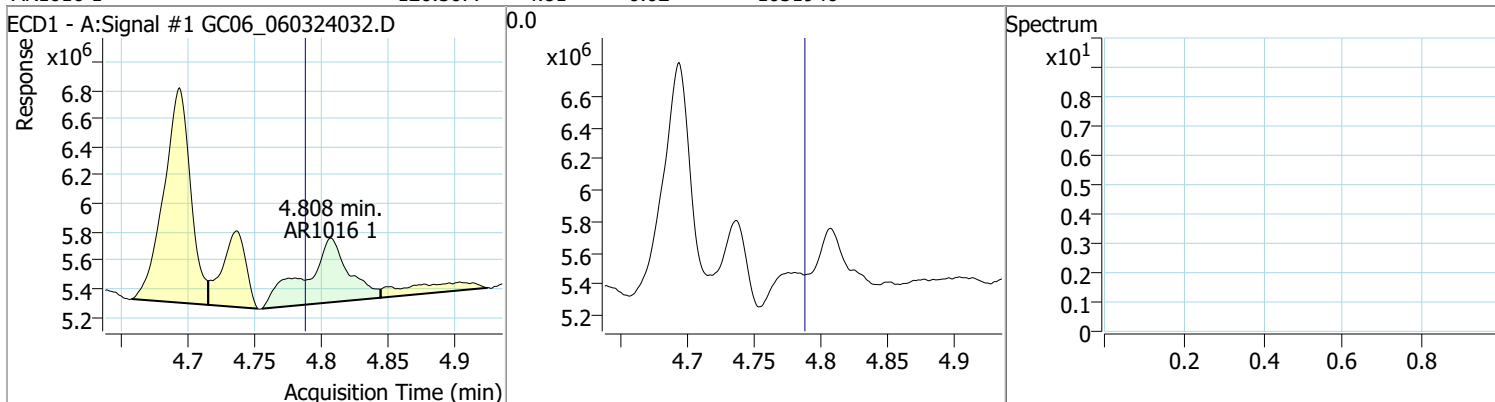
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.8779	4.47	0.00	18347546				



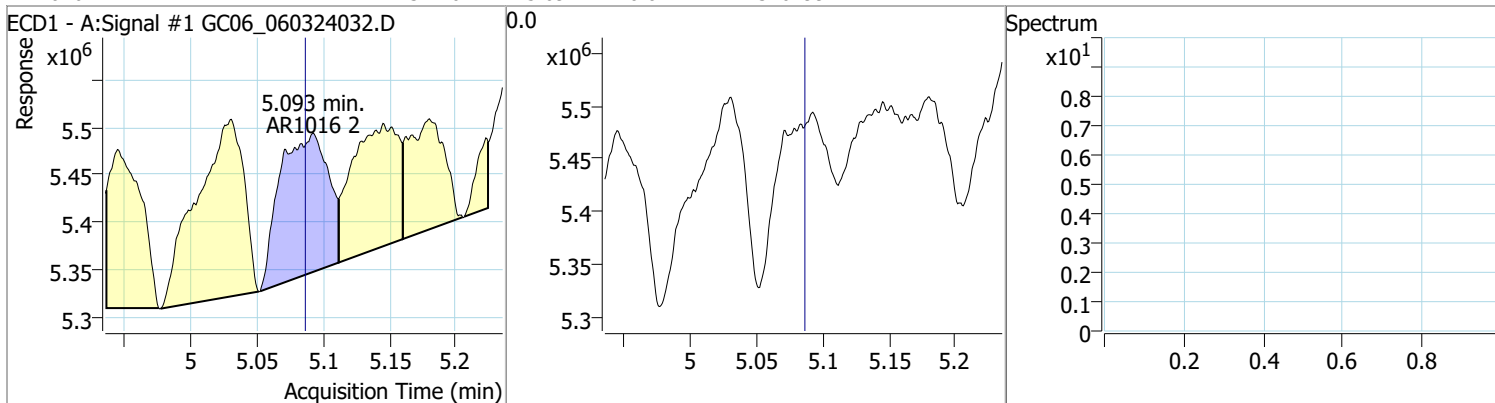
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.6689	4.76	0.00	103584394				



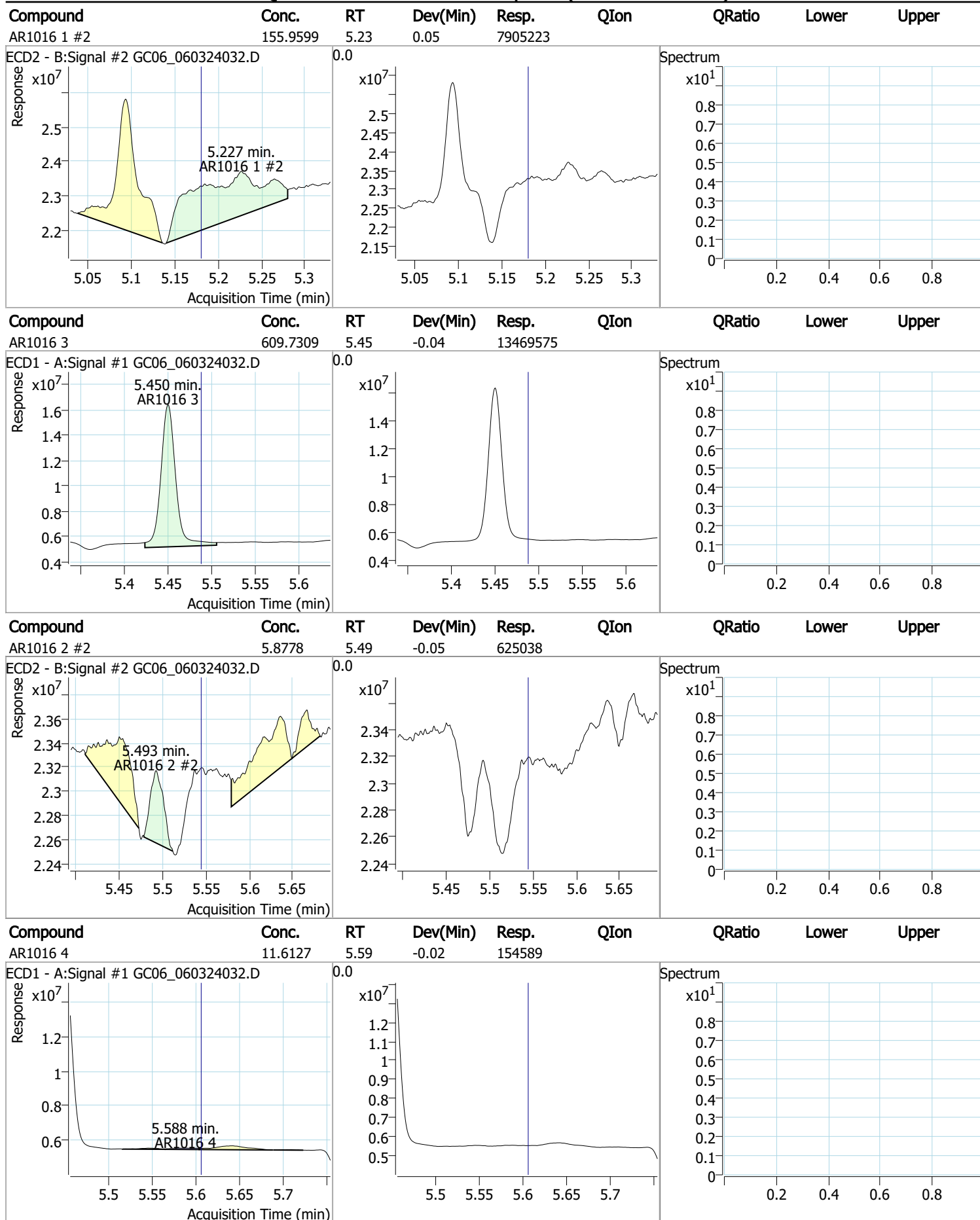
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	126.5677	4.81	0.02	1051946				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	23.1762	5.09	0.01	376199				



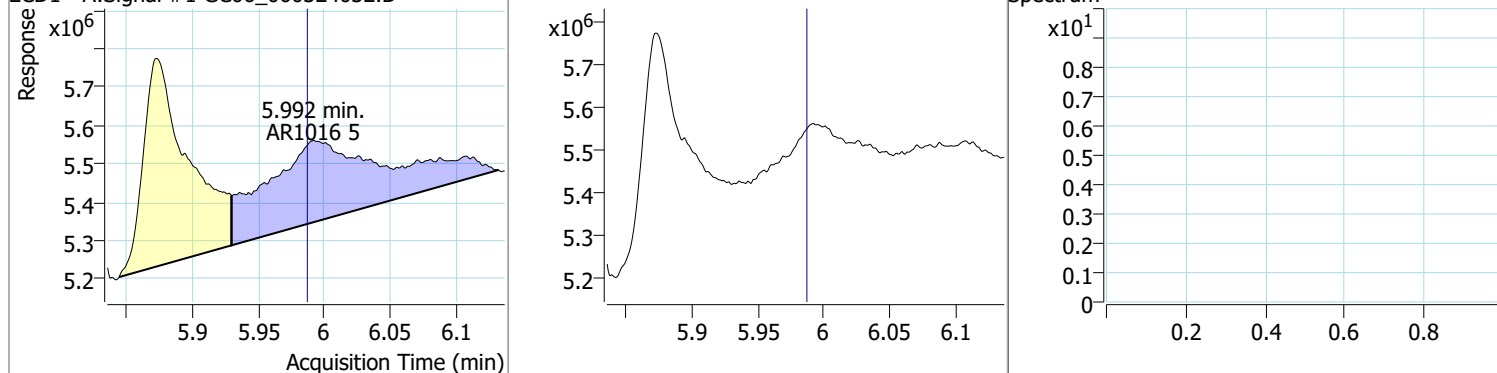
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

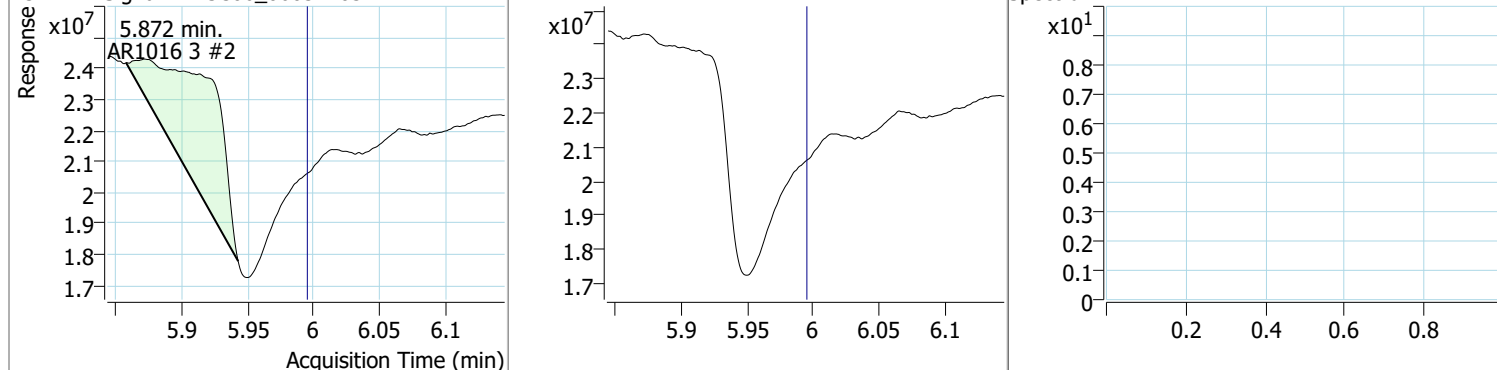
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	107.0338	5.99	0.00	1354894				

ECD1 - A:Signal #1 GC06_060324032.D



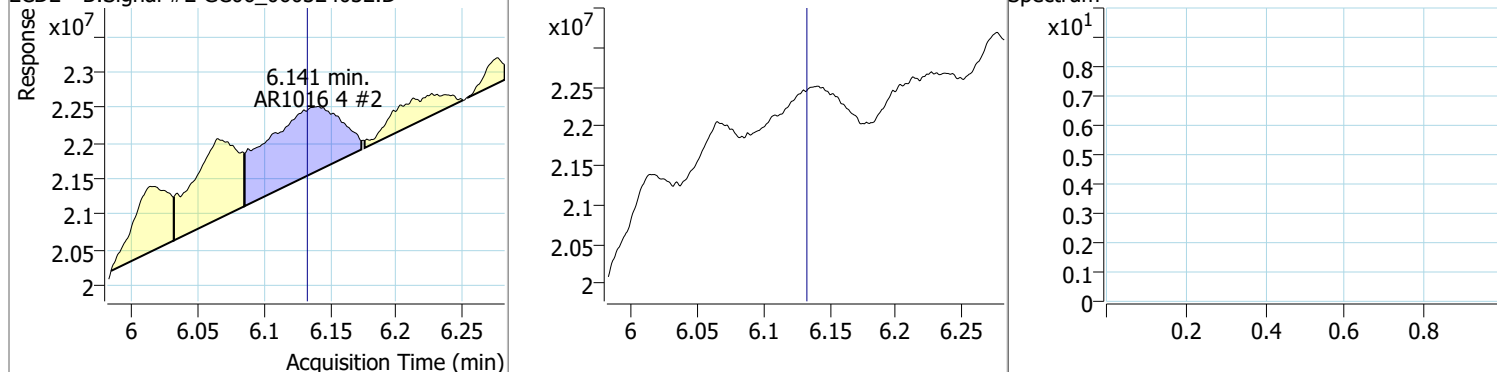
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	87.4191	5.87	-0.12	12049499				

ECD2 - B:Signal #2 GC06_060324032.D



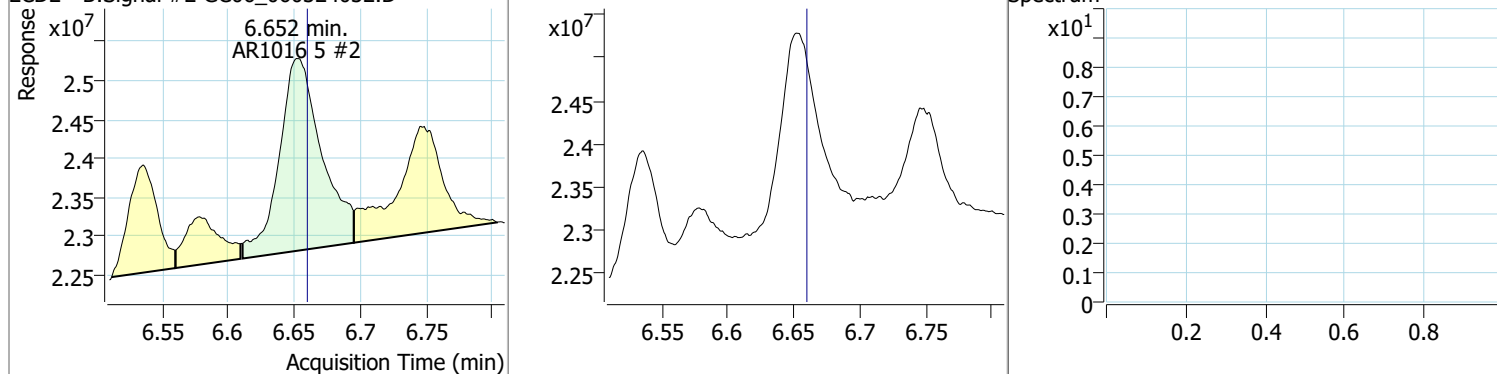
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	38.1283	6.14	0.01	3865368				

ECD2 - B:Signal #2 GC06_060324032.D



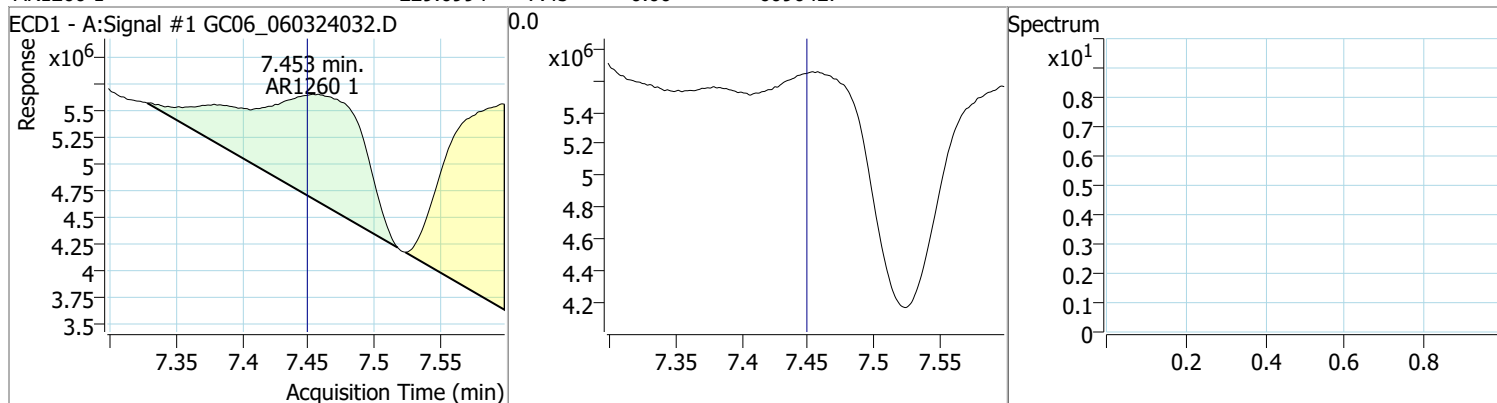
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	64.8045	6.65	-0.01	5561740				

ECD2 - B:Signal #2 GC06_060324032.D

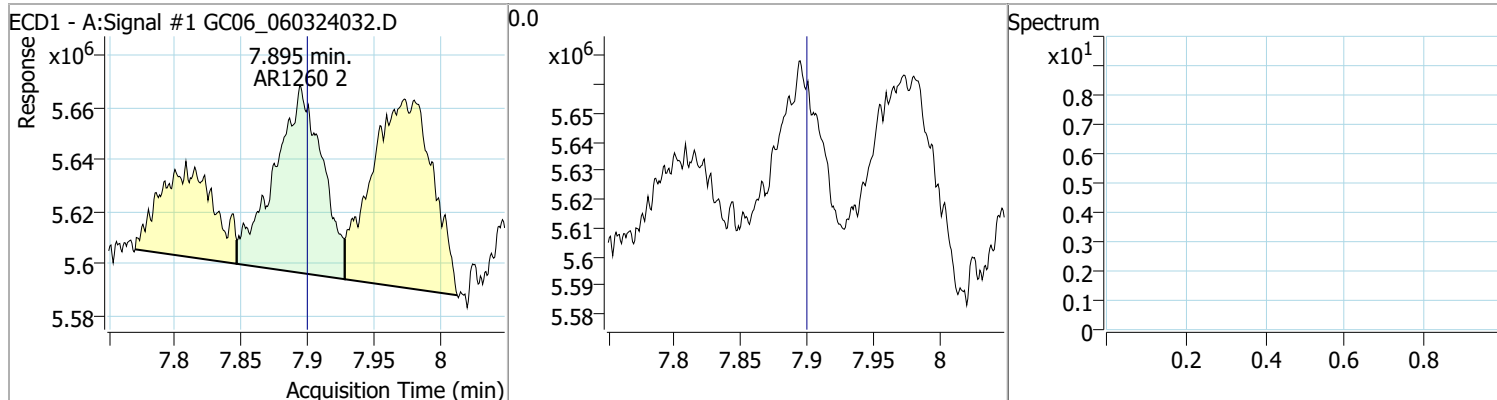


Quantitation Results Report (Not Reviewed)

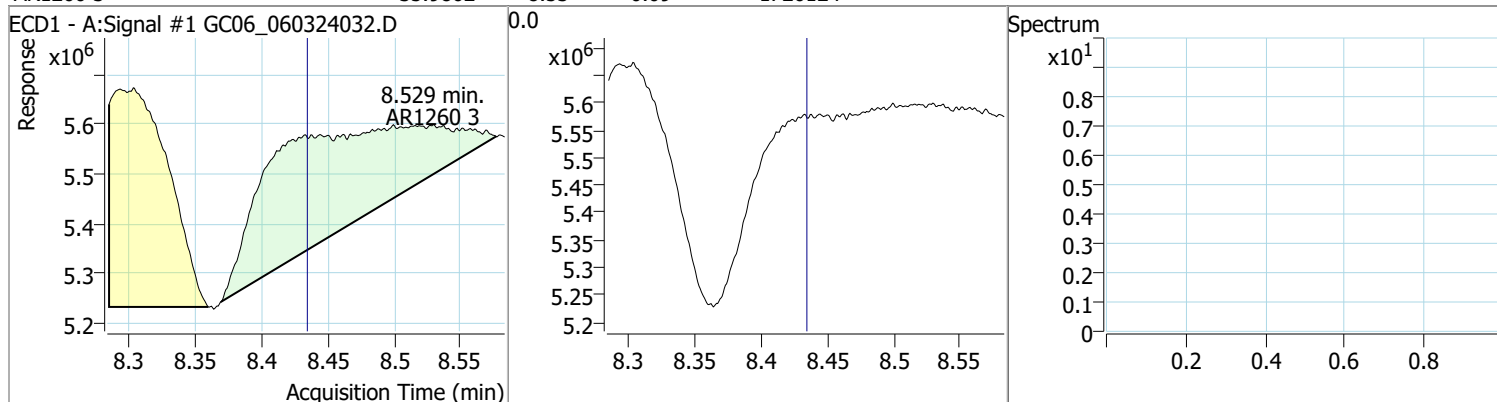
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	229.0994	7.45	0.00	6090427				



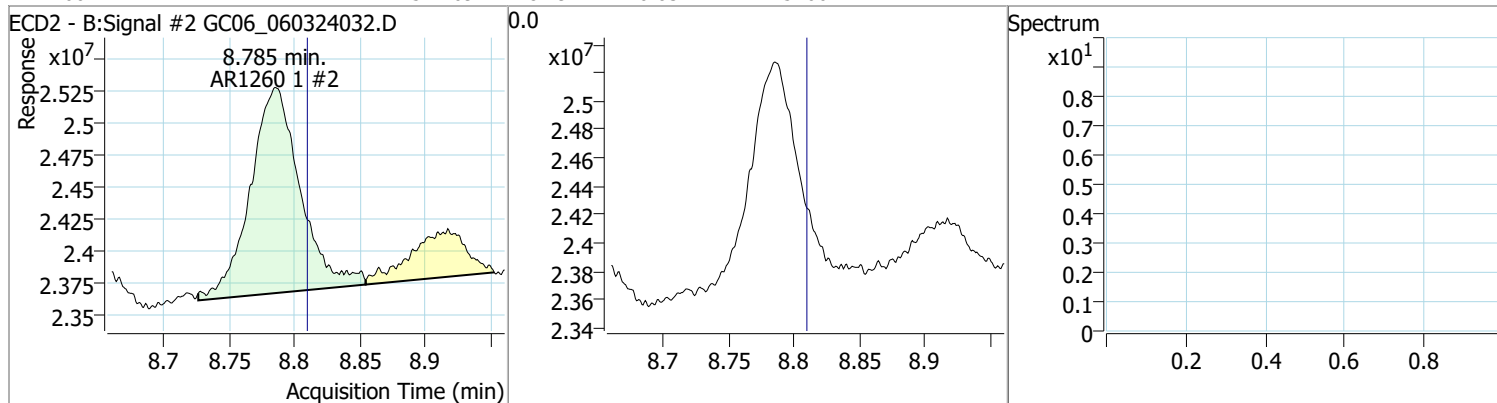
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.3537	7.90	-0.01	182604				



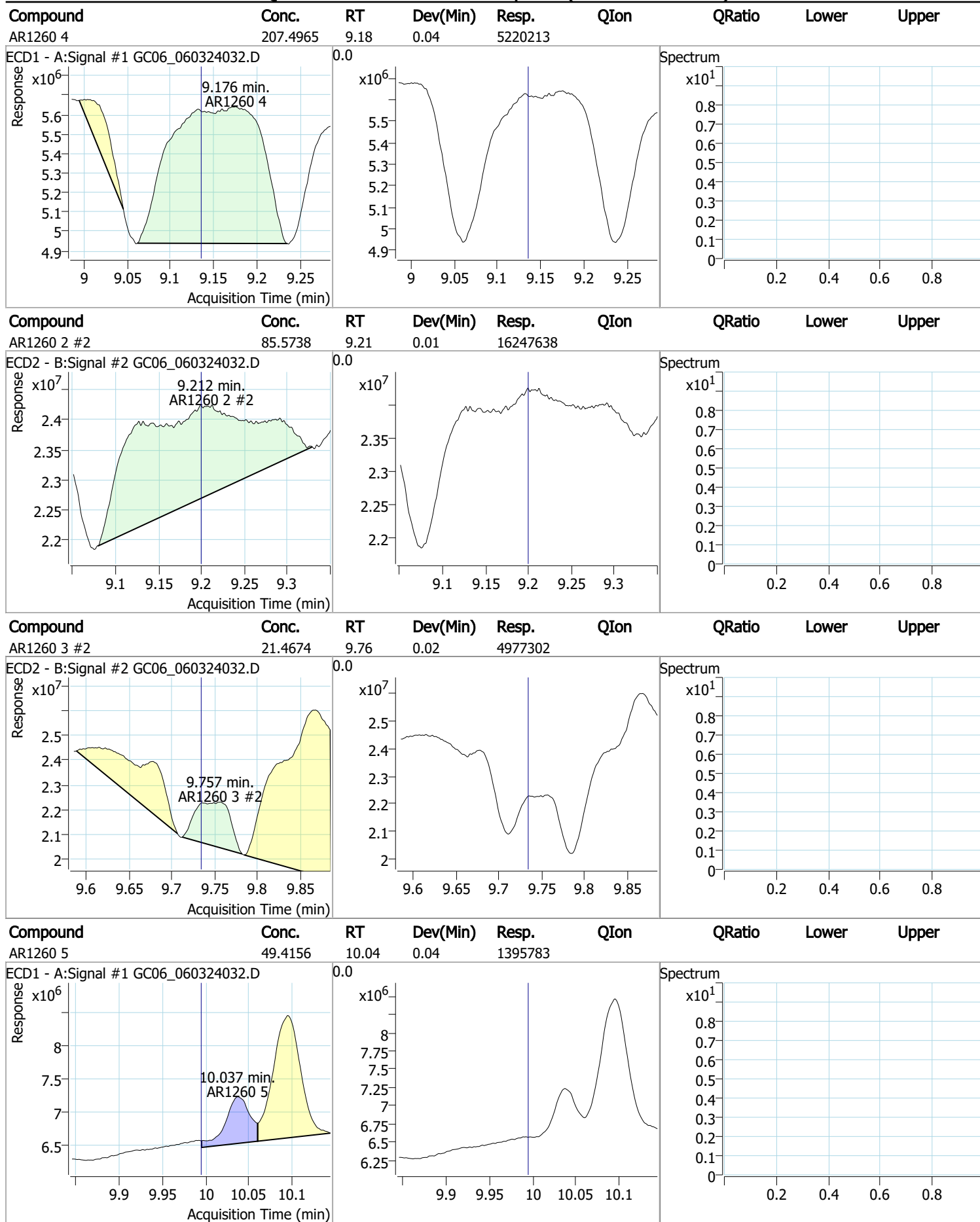
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	35.9862	8.53	0.09	1726124				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	25.4469	8.79	-0.03	4251667				

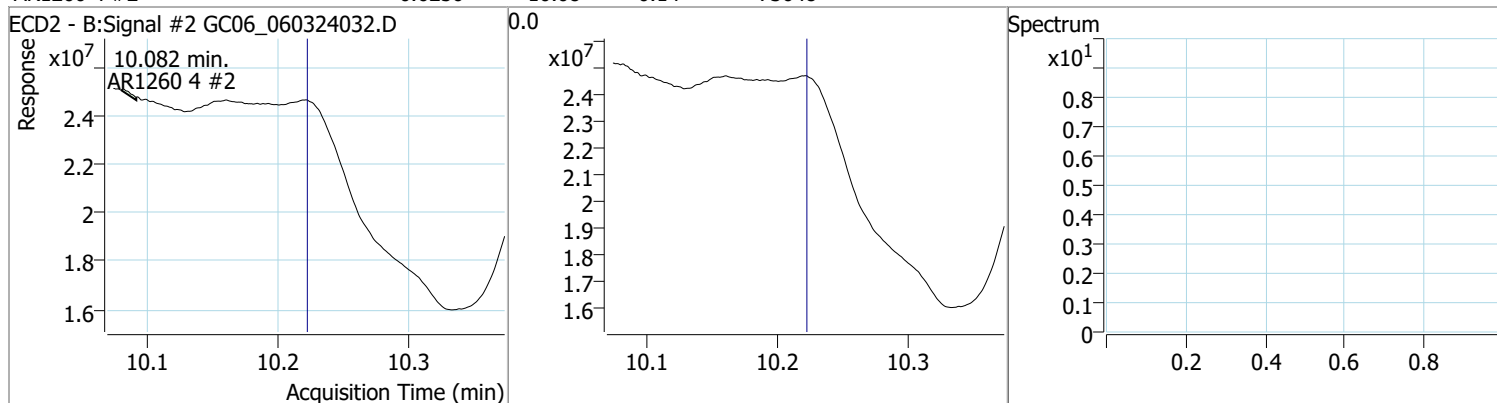


Quantitation Results Report (Not Reviewed)

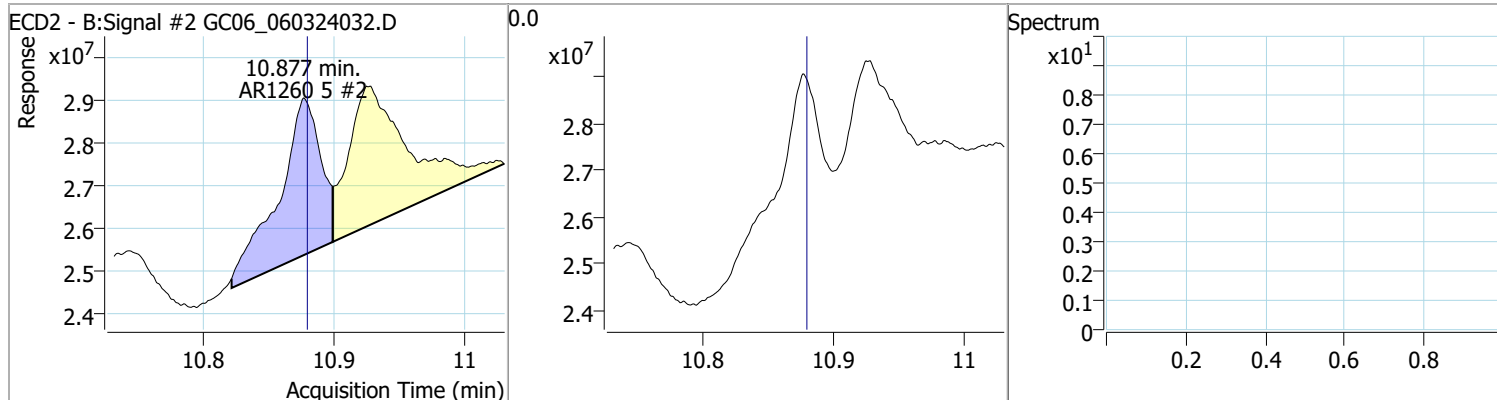


Quantitation Results Report (Not Reviewed)

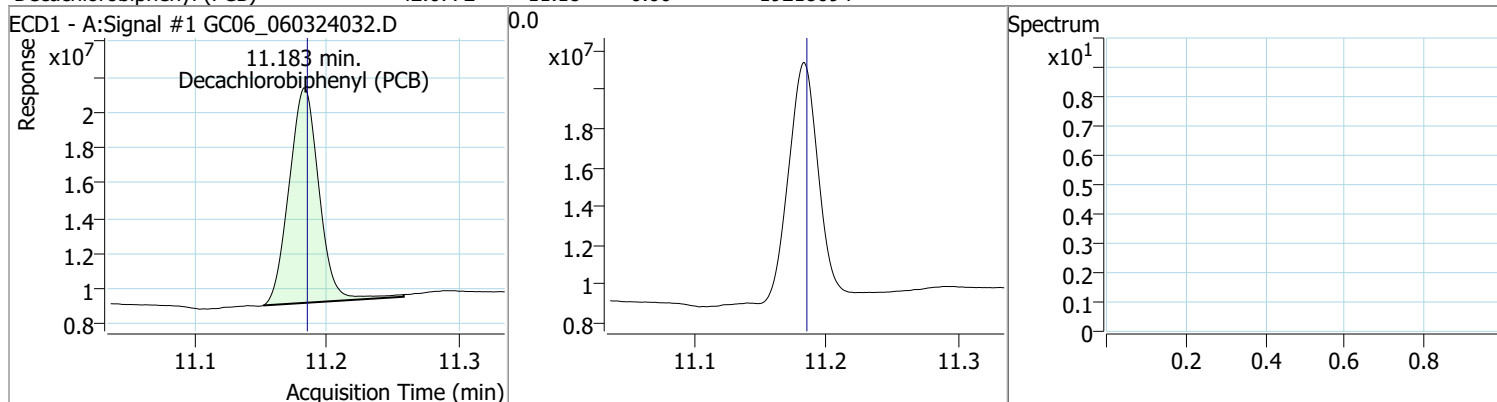
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.6256	10.08	-0.14	73648				



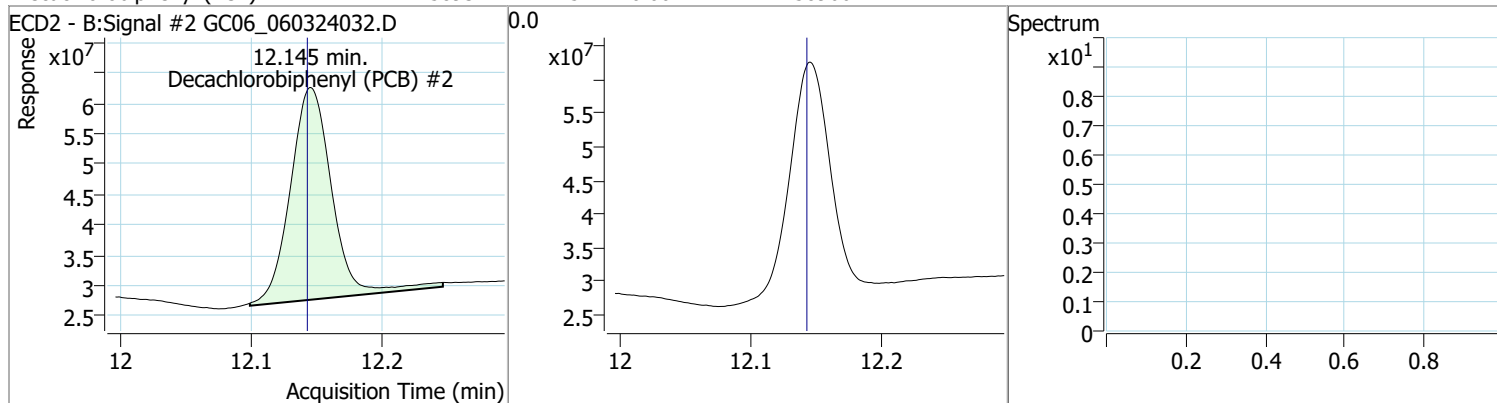
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.2432	10.88	-0.01	8365261				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.0772	11.18	0.00	19218094				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.5893	12.15	0.00	77458966				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 509117-024	Client ID: 240530-P-FIELDBLANK1-LO
Seqnum: 454224018033	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_060324033	Batch: 341640	Time: 03-JUN-2024 23:20
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	26.80	ND	0.93	111%	0.50		u
Aroclor-1016 Peak # 1	B	57.09	0.57	0.17	106%			
Aroclor-1016 Peak # 2	B	5.038	0.05	0.18	111%			
Aroclor-1016 Peak # 3	B	54.12	0.54	3.09	140%			
Aroclor-1016 Peak # 4	B	4.965	0.05	0.15	101%			
Aroclor-1016 Peak # 5	B	12.79	0.13	1.09	158%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	29.12	ND	1.5	135%	0.50		u
Aroclor-1260 Peak # 1	B	1.458	0.01	2.47	198%			
Aroclor-1260 Peak # 2	B	78.91	0.79	0.01	195%			
Aroclor-1260 Peak # 3	B	19.68	0.20	0.36	60%			
Aroclor-1260 Peak # 4	B	0.9605	0.01	1.90	198%			
Aroclor-1260 Peak # 5	B	44.61	0.45	2.76	144%			
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	42.93	0.5000	0.4293	86	19-121	u
Decachlorobiphenyl (PCB)	B	40.28	0.5000	0.4028	81	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	52733074	3.95
1-bromo-2-nitrobenzene (PCB)	A	9322089	8565646	-8.11

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

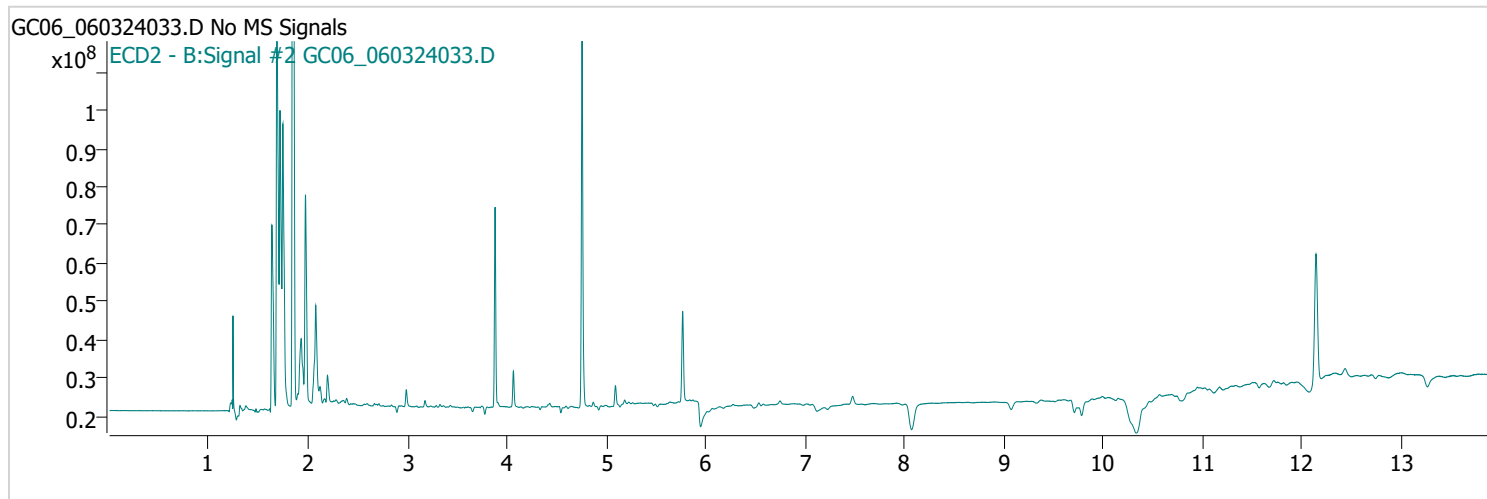
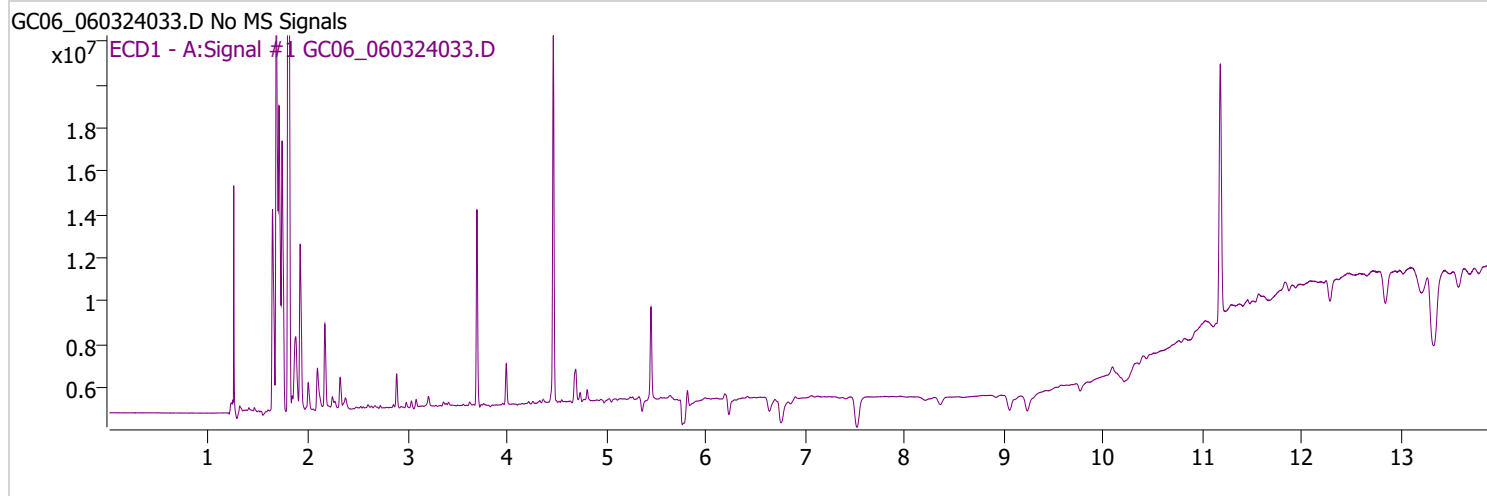
06/04/24 : WIPE/1S-10ML

u=use

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324033.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 11:20:16 PM
Sample Name	509117-024, 341640, 1	Instrument	SVOA-GC06
Vial	23	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	8565645.54 1	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	52733074.4 27	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.467	0.0	16921756.1 86	42.7427	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.71%	*	
S TCMX (PCB) #2	4.757	0.0	99776105.4 40	42.9304	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.65%	*	
S Decachlorobiphenyl (PCB)	11.180	0.0	19046132.2 45	41.2259	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.13%	*	
S Decachlorobiphenyl (PCB) #2	12.143	0.0	76704621.5 46	40.2769	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.38%	*	

Target Compounds

GC06_060324033.D

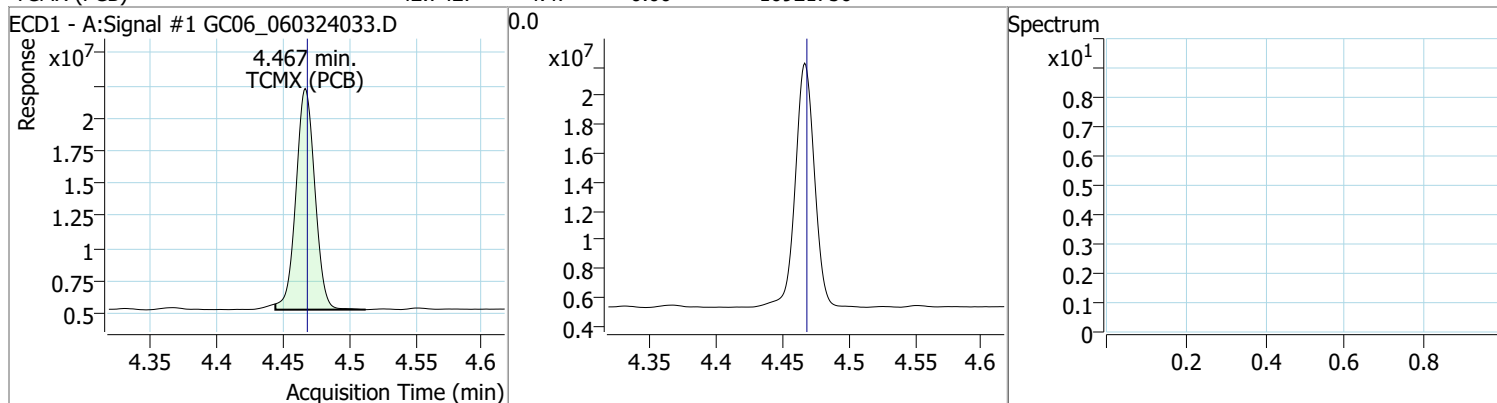
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.776	0.0	146825.154	17.4645	ng/ml	100
T AR1016 2	5.089	0.0	288682.468	17.5821	ng/ml	100
T AR1016 1 #2	5.184	0.0	3030301.49 7	57.0940	ng/ml	100
T AR1016 3	5.450	0.0	6503508.13 8	291.0439	ng/ml	100
T AR1016 2 #2	5.493	0.0	560977.449	5.0380	ng/ml	100
T AR1016 4	5.585	0.0	202029.575	15.0035	ng/ml	100
T AR1016 5	5.996	0.0	1392225.08 1	108.7305	ng/ml	100
T AR1016 3 #2	6.068	0.0	7811283.64 8	54.1210	ng/ml	100
T AR1016 4 #2	6.143	0.0	527043.421	4.9649	ng/ml	100
T AR1016 5 #2	6.579	0.0	1149835.53 5	12.7949	ng/ml	100
T AR1260 1	7.458	0.0	6651235.23 7	247.3461	ng/ml	100
T AR1260 2	7.888	0.0	38485.291	0.9071	ng/ml	100
T AR1260 3	8.529	0.0	1765677.35 3	36.3916	ng/ml	100
T AR1260 1 #2	8.787	0.0	255023.820	1.4577	ng/ml	100
T AR1260 4	9.174	0.0	4828147.75 5	189.7272	ng/ml	100
T AR1260 2 #2	9.232	0.0	15687448.1 93	78.9058	ng/ml	100
T AR1260 3 #2	9.757	0.0	4777898.14 3	19.6802	ng/ml	100
T AR1260 5	10.095	0.0	7897518.41 7	276.4164	ng/ml	100
T AR1260 4 #2	10.081	0.0	118389.904	0.9605	ng/ml	100
T AR1260 5 #2	10.950	0.0	7479696.06 8	44.6108	ng/ml	100

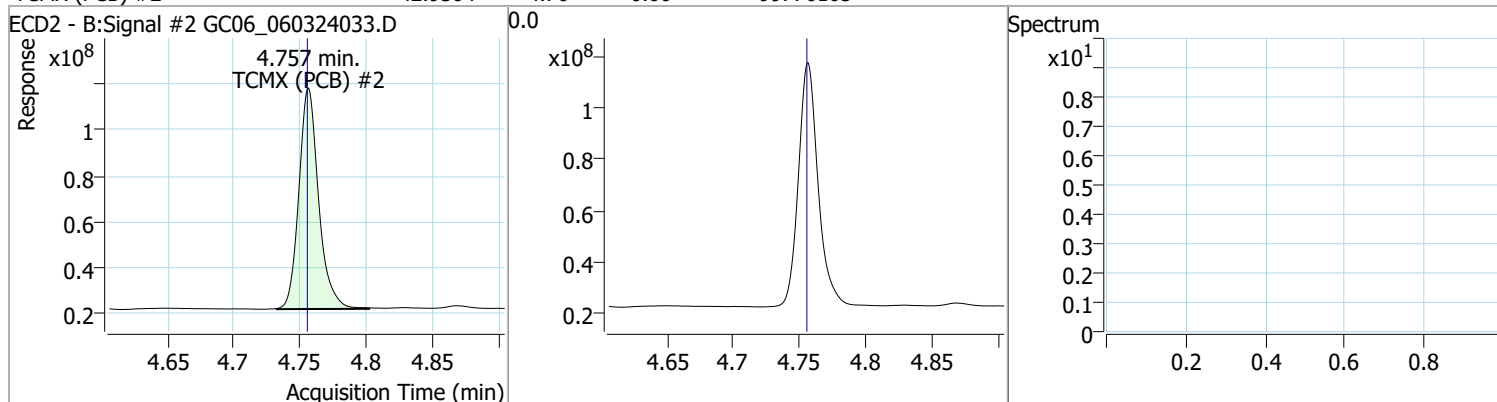
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

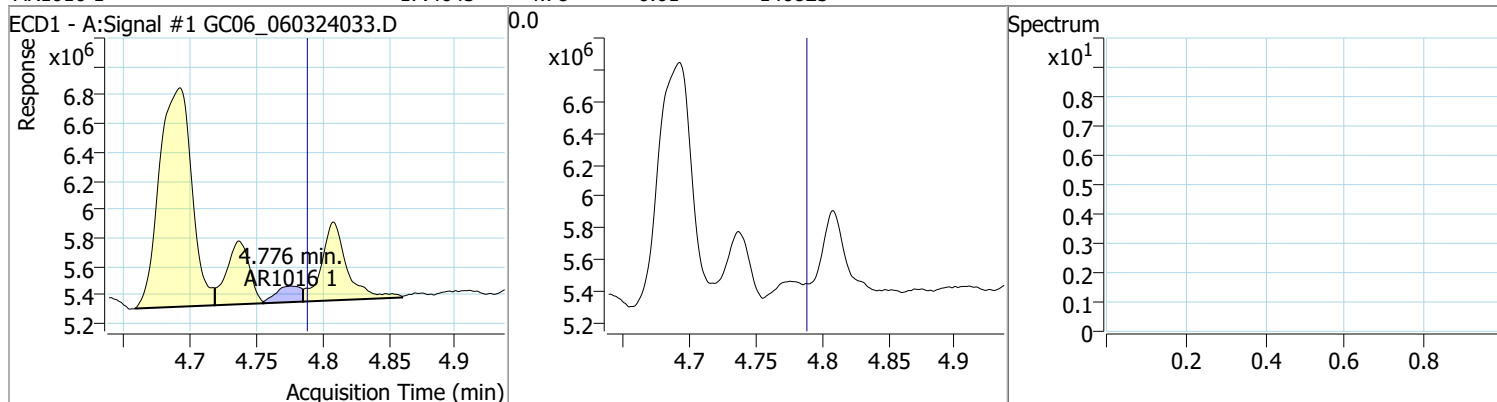
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.7427	4.47	0.00	16921756				



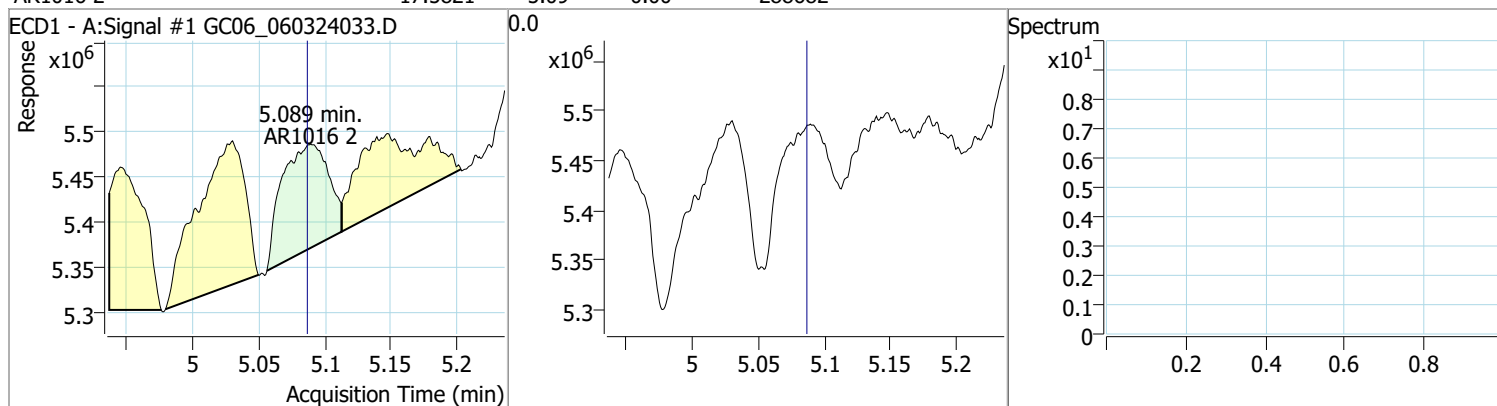
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.9304	4.76	0.00	99776105				



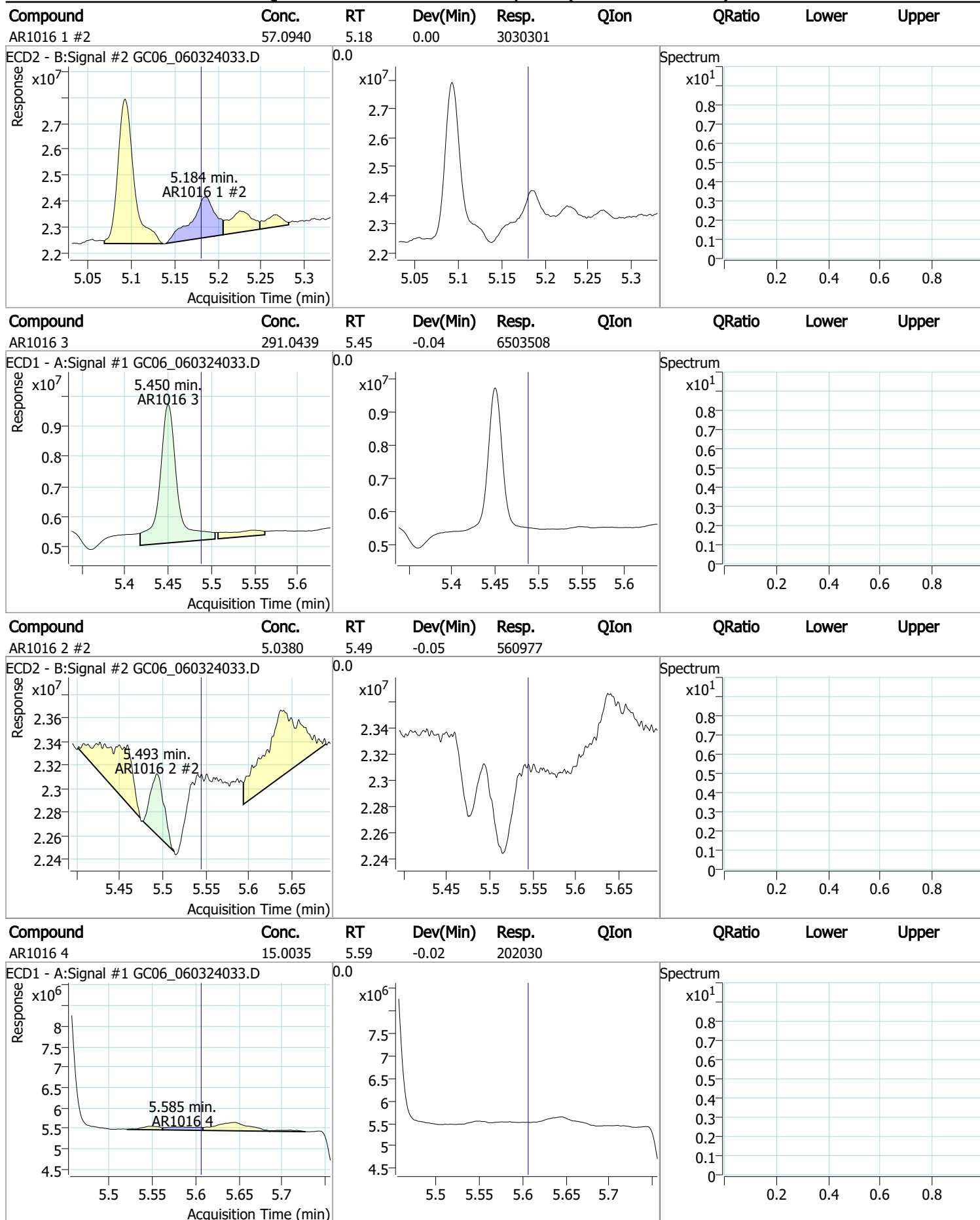
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	17.4645	4.78	-0.01	146825				



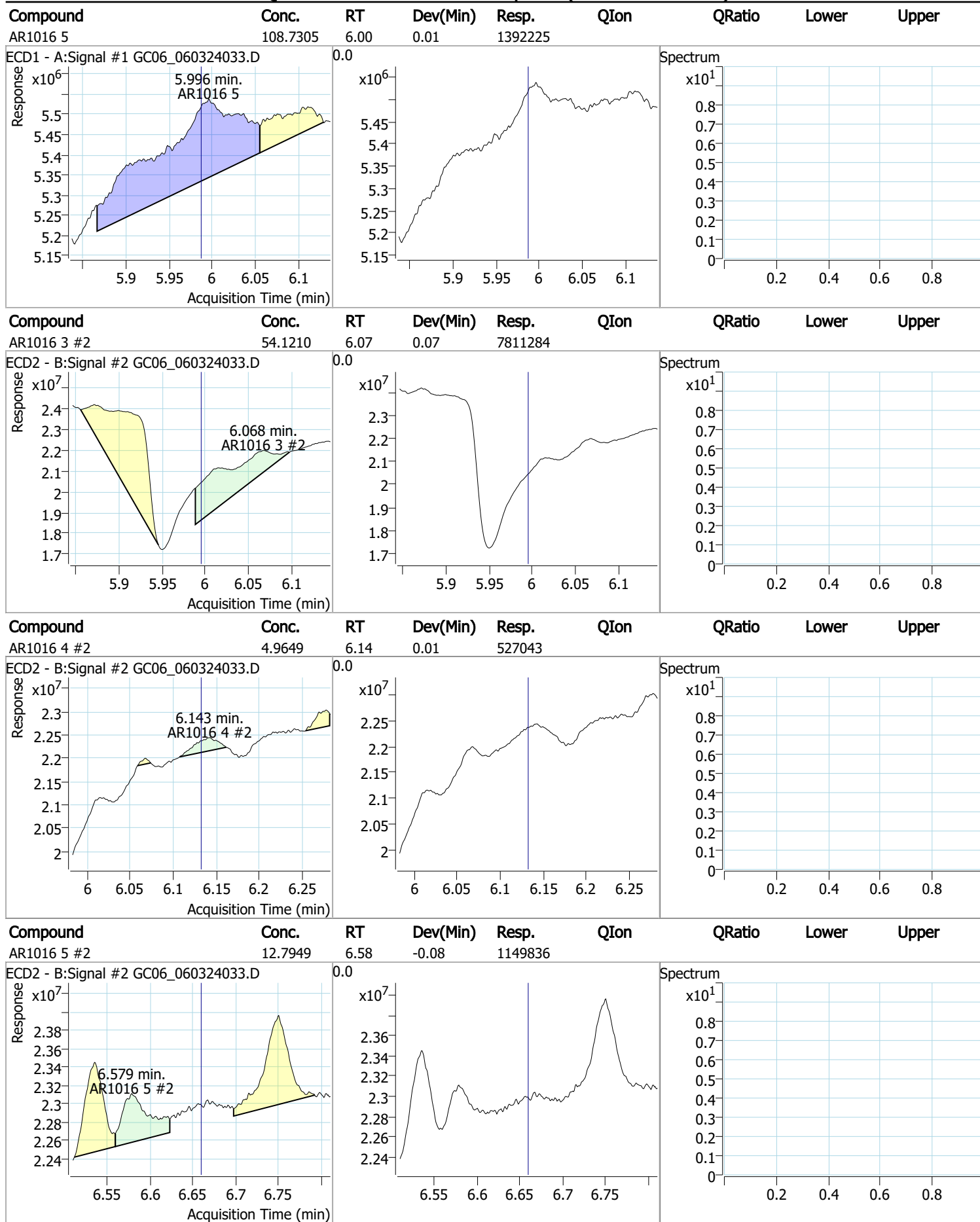
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	17.5821	5.09	0.00	288682				



Quantitation Results Report (Not Reviewed)

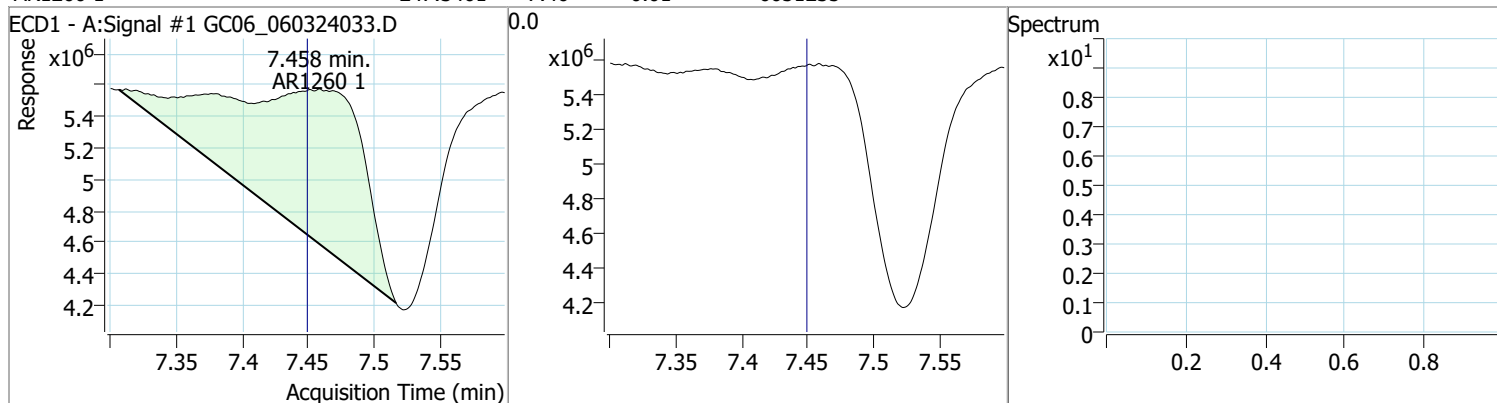


Quantitation Results Report (Not Reviewed)

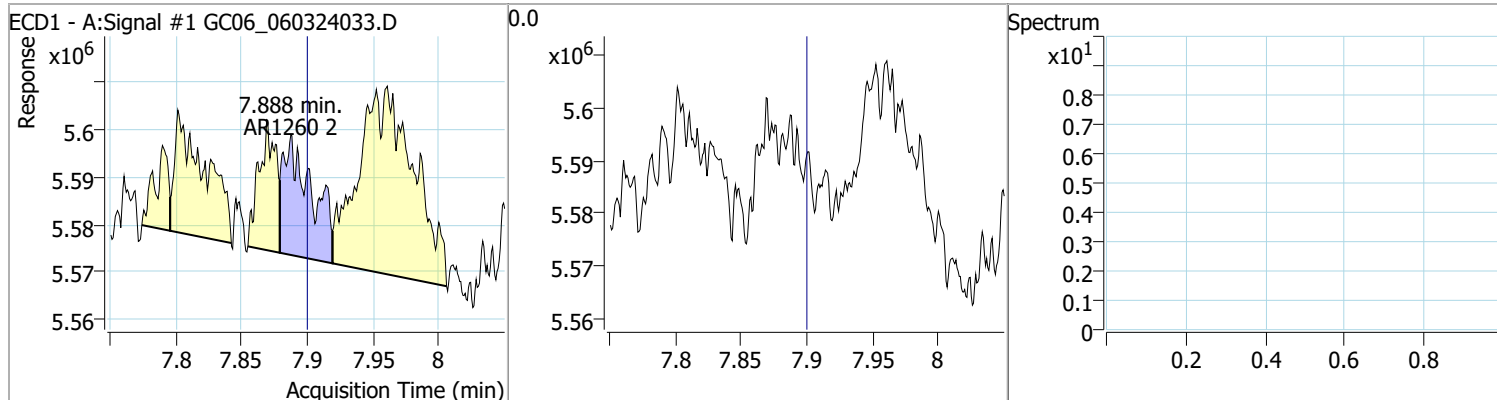


Quantitation Results Report (Not Reviewed)

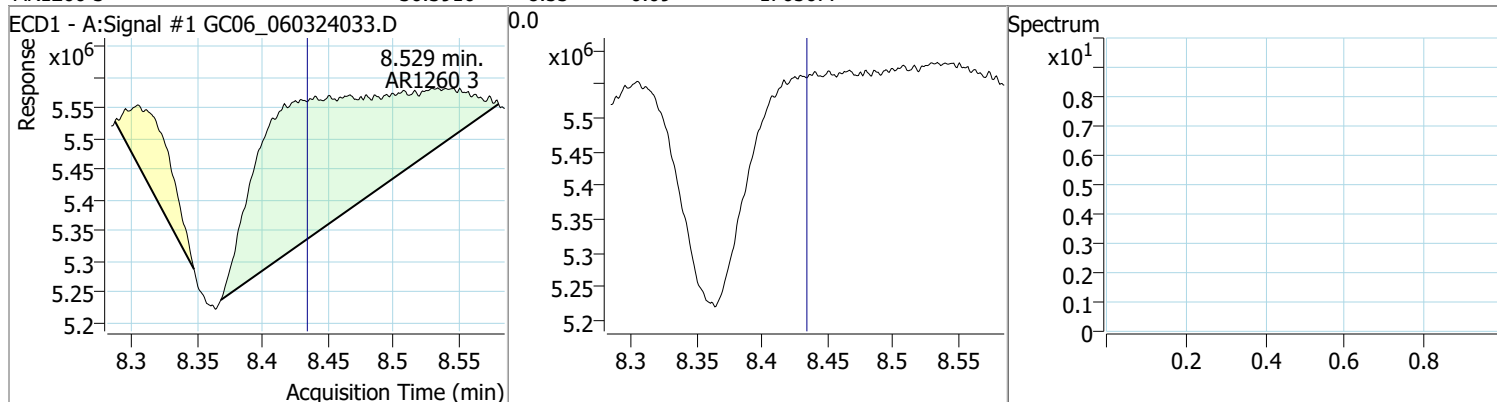
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	247.3461	7.46	0.01	6651235				



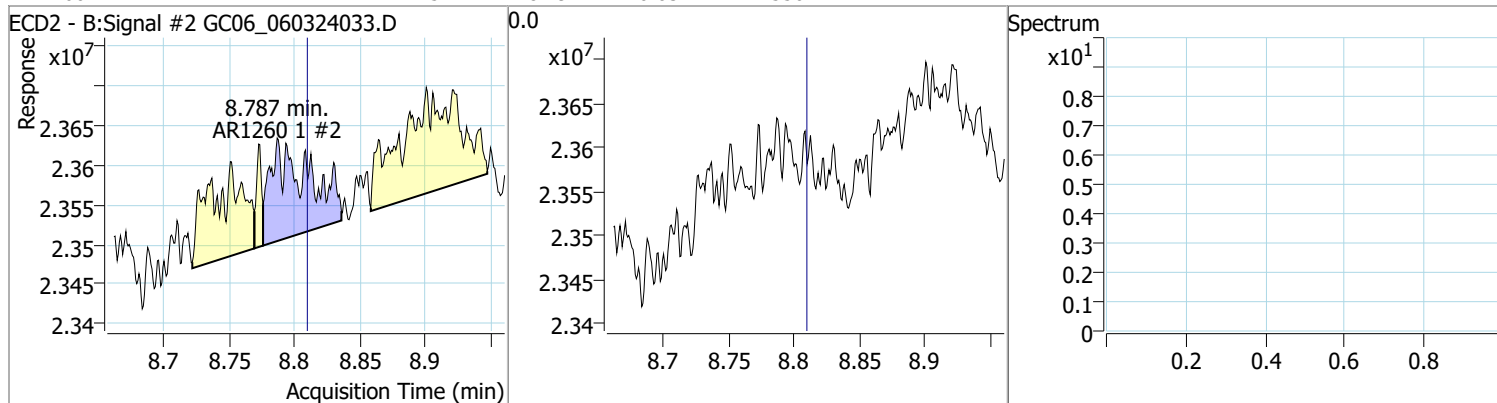
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9071	7.89	-0.01	38485				



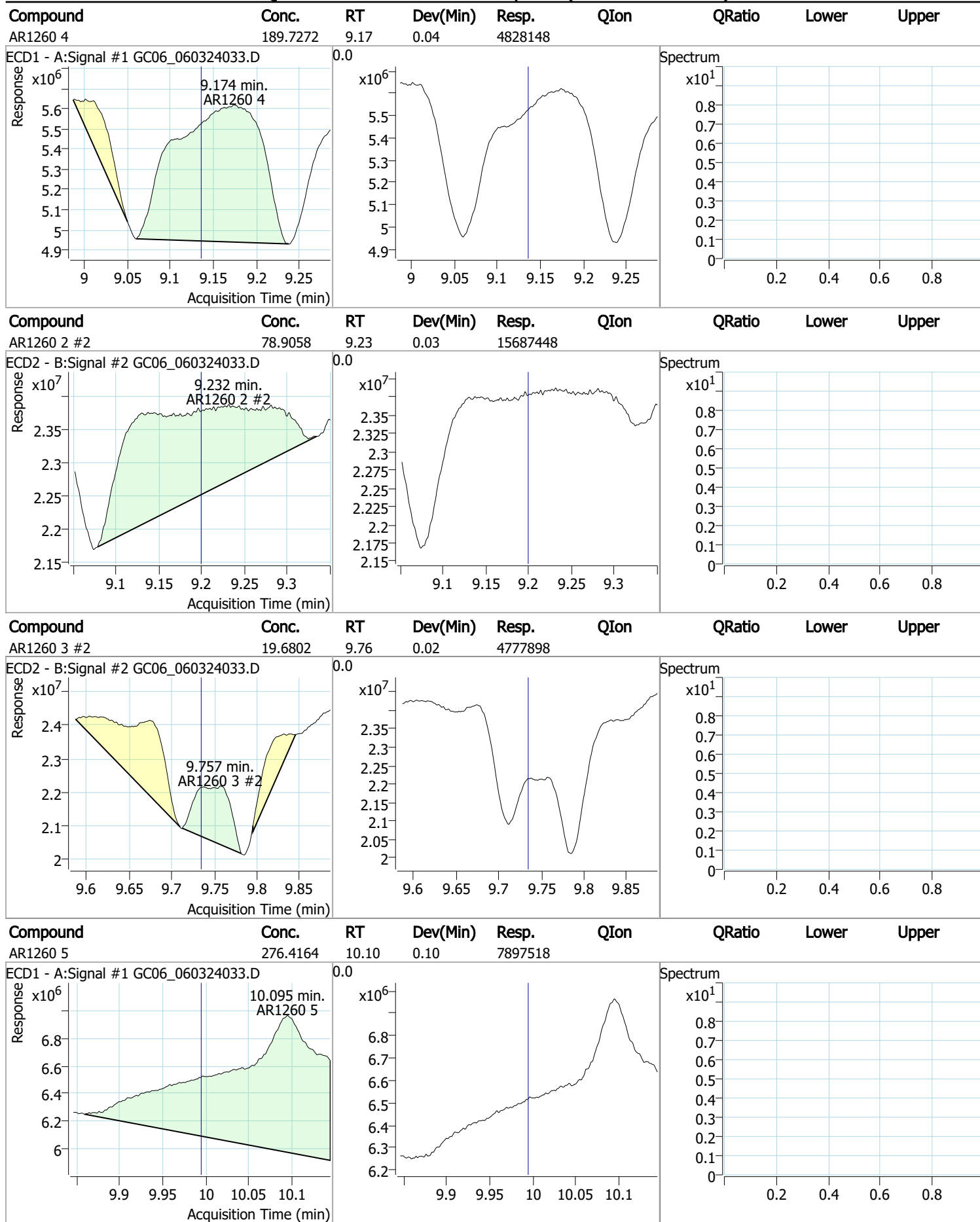
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	36.3916	8.53	0.09	1765677				



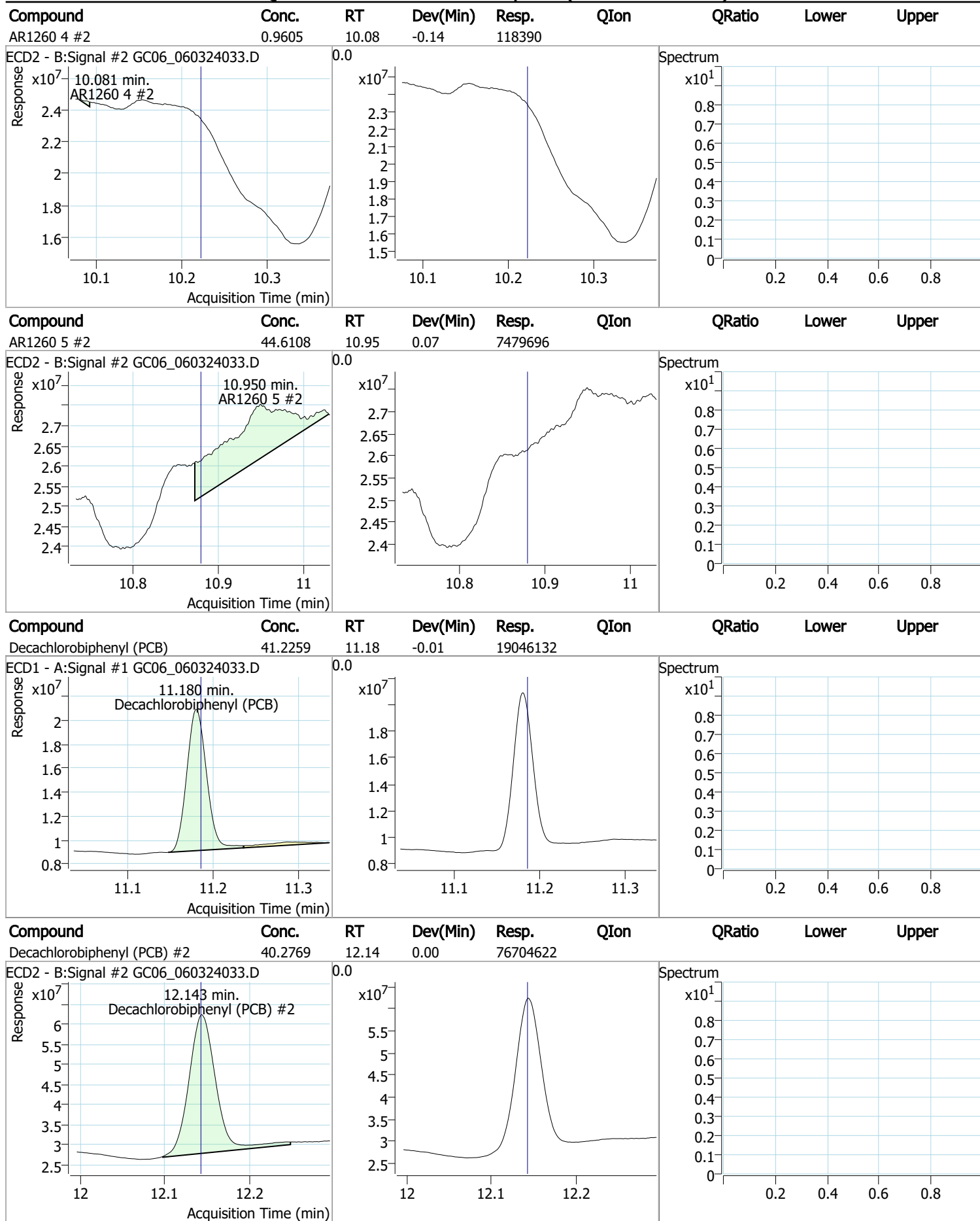
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.4577	8.79	-0.03	255024				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



QC Raw Data

Inst: SVOA-GC06	Lab ID: QC1157615	
Seqnum: 454224018019.1	Matrix: Wipe	
File: gc06_060324019	Batch: 341640	Time: 03-JUN-2024 18:59
Cal: 454215118005	Caldate: 28-MAY-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

- 1.00 dm2 $\Rightarrow$ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	36.77	ND	0.46	23%	0.50	u
Aroclor-1016 Peak # 1	B	63.90	0.64	0.78	20%		
Aroclor-1016 Peak # 2	B	29.23	0.29	0.24	21%		
Aroclor-1016 Peak # 3	B	76.14	0.76	0.51	40%		
Aroclor-1016 Peak # 4	B	7.123	0.07	0.62	159%		
Aroclor-1016 Peak # 5	B	7.474	0.07	0.18	80%		
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	8.199	ND	0.65	155%	0.50	u
Aroclor-1260 Peak # 1	B	2.228	0.02	1.69	195%		
Aroclor-1260 Peak # 2	B	9.232	0.09	0.03	98%		
Aroclor-1260 Peak # 3	B	13.27	0.13	0.18	29%		
Aroclor-1260 Peak # 4	B	6.463	0.06	1.06	177%		
Aroclor-1260 Peak # 5	B	9.804	0.10	0.31	104%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	44.35	0.5000	0.4435	89	19-121	u
Decachlorobiphenyl (PCB)	B	37.97	0.5000	0.3797	76	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	57298544	12.95
1-bromo-2-nitrobenzene (PCB)	A	9322089	9690849	3.96

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_060324004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

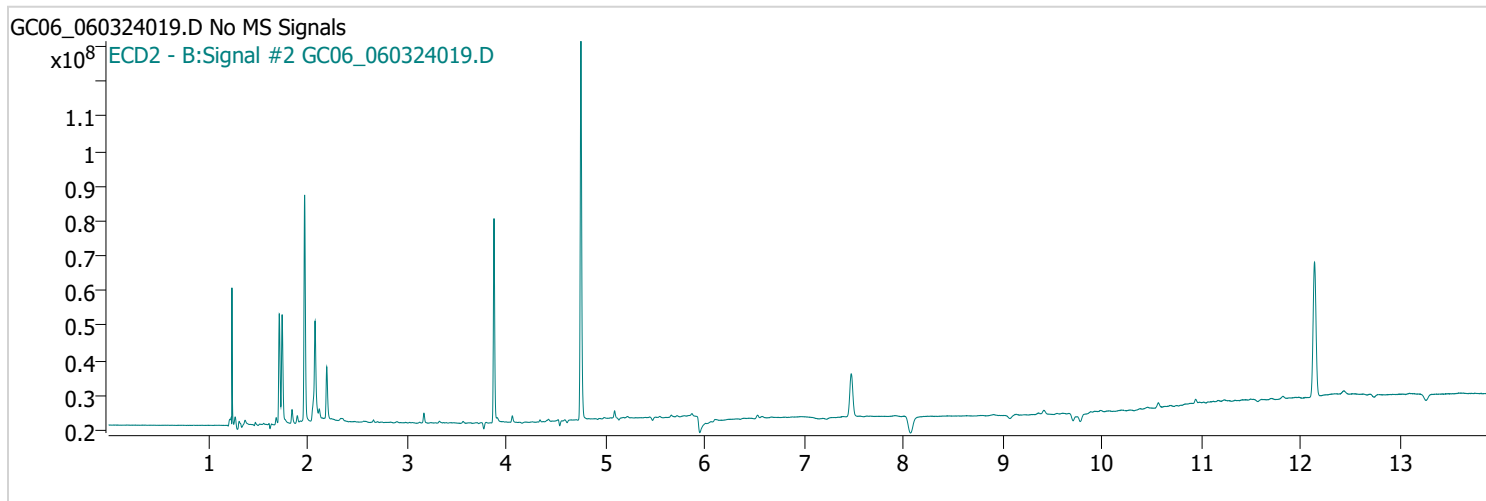
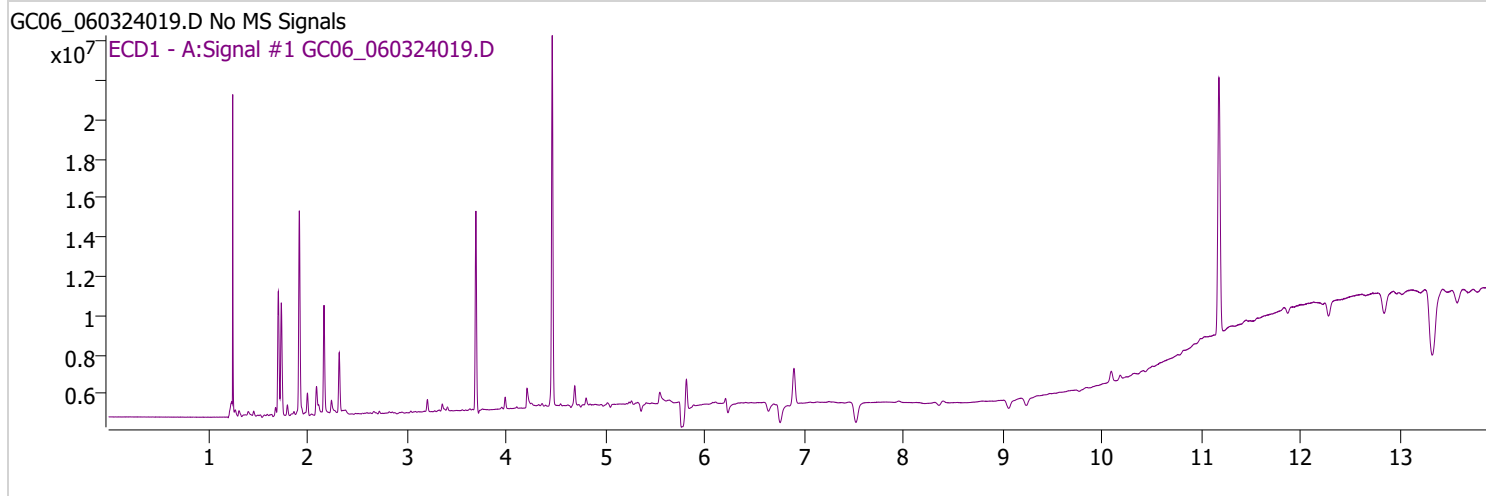
06/04/24 : WIPE/1S-10ML [general version]

u=use

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324019.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 6:59:05 PM
Sample Name	QC1157615, 341640, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_04.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	9690849.44 2	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	57298543.8 20	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.468	0.0	18506243.6 78	41.3174	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.59%	*	
S TCMX (PCB) #2	4.757	0.0	112002351. 917	44.3512	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.76%	*	
S Decachlorobiphenyl (PCB)	11.181	0.0	21324056.9 64	40.7973	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.99%	*	
S Decachlorobiphenyl (PCB) #2	12.143	0.0	78572594.6 53	37.9704	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.85%	*	

Target Compounds

QValue

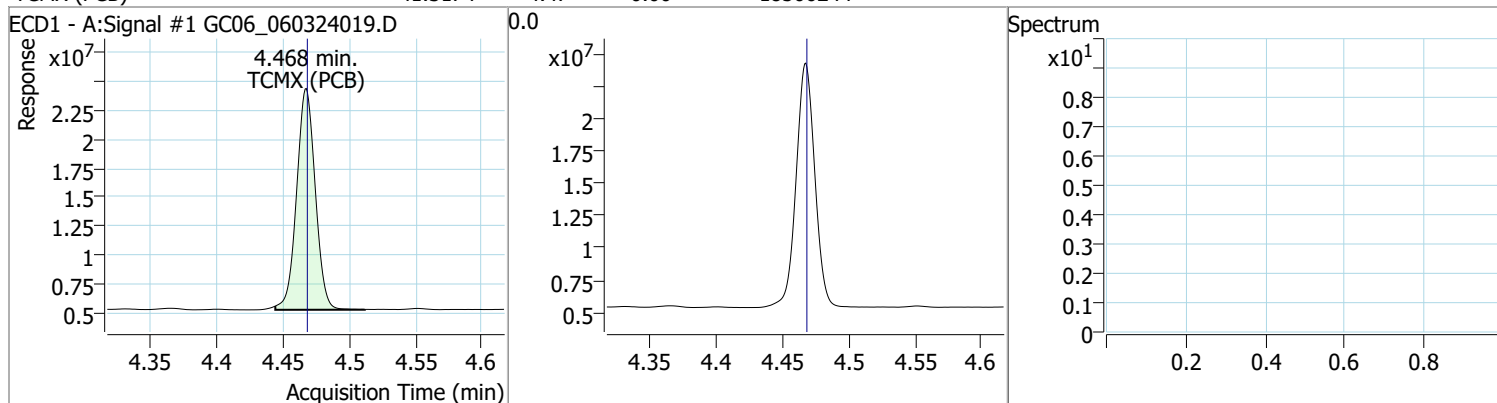
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.808	0.0	739422.360	77.7404	ng/ml	100
T AR1016 2	5.023	0.0	441496.592	23.7671	ng/ml	100
T AR1016 1 #2	5.227	0.0	3684885.560	63.8952	ng/ml	100
T AR1016 3	5.552	0.0	1214840.468	48.0539	ng/ml	100
T AR1016 2 #2	5.551	0.0	3536722.003	29.2319	ng/ml	100
T AR1016 4	5.648	0.0	942858.721	61.8905	ng/ml	100
T AR1016 5	5.895	0.0	254123.950	17.5423	ng/ml	100
T AR1016 3 #2	5.873	0.0	11941093.904	76.1425	ng/ml	100
T AR1016 4 #2	6.258	0.0	821627.091	7.1232	ng/ml	100
T AR1016 5 #2	6.677	0.0	729835.481	7.4742	ng/ml	100
T AR1260 1	7.460	0.0	5145815.484	169.1435	ng/ml	100
T AR1260 2	7.957	0.0	150945.797	3.1448	ng/ml	100
T AR1260 3	8.403	0.0	970690.552	17.6835	ng/ml	100
T AR1260 1 #2	8.780	0.0	423573.837	2.2282	ng/ml	100
T AR1260 4	9.187	0.0	3052836.370	106.0354	ng/ml	100
T AR1260 2 #2	9.228	0.0	1994322.414	9.2319	ng/ml	100
T AR1260 3 #2	9.756	0.0	3500231.320	13.2687	ng/ml	100
T AR1260 5	10.096	0.0	1010142.686	31.2503	ng/ml	100
T AR1260 4 #2	10.193	0.0	865682.198	6.4634	ng/ml	100
T AR1260 5 #2	10.945	0.0	1786138.815	9.8042	ng/ml	100

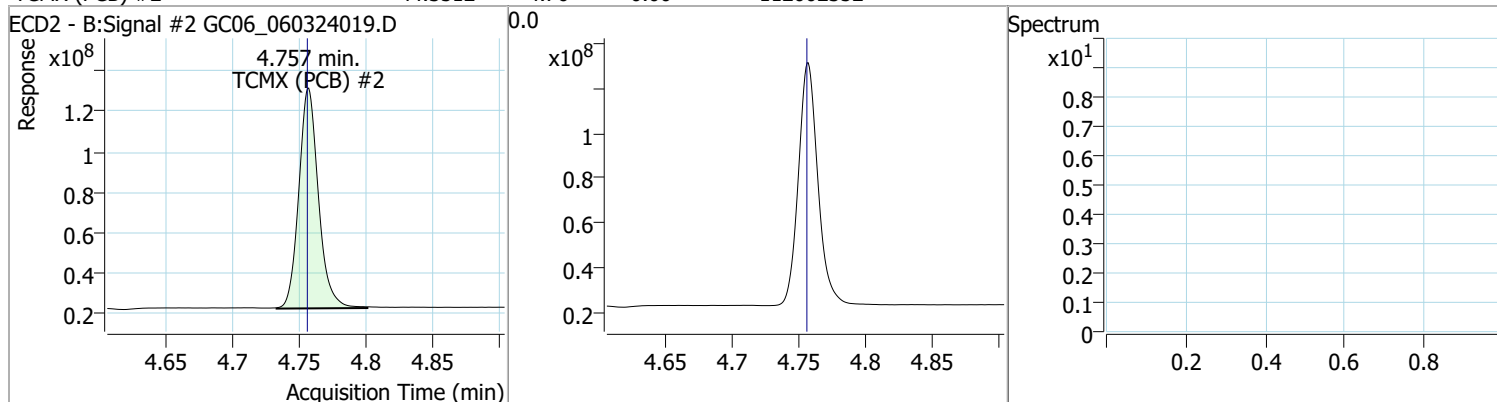
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

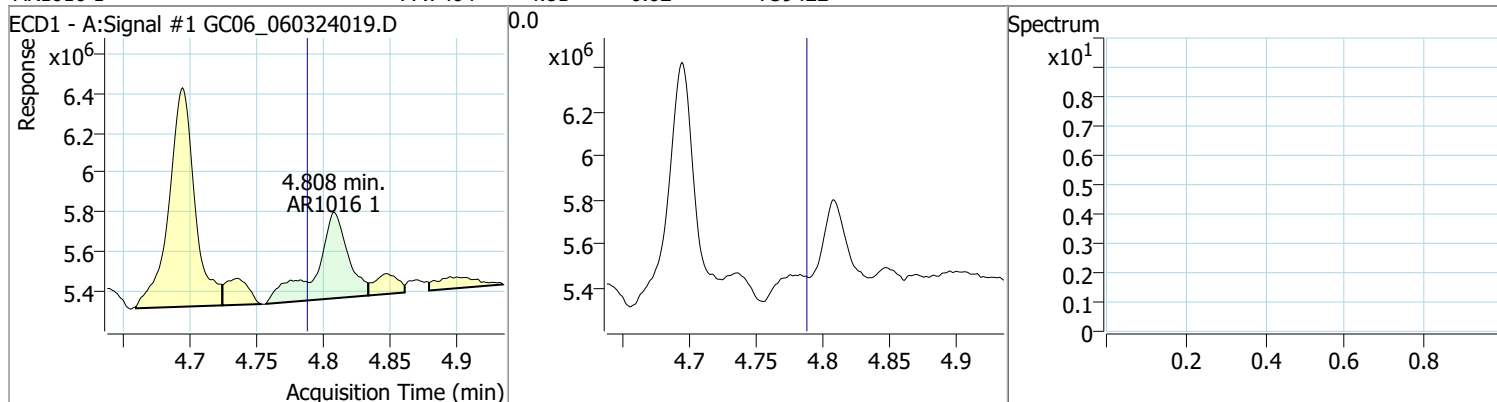
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.3174	4.47	0.00	18506244				



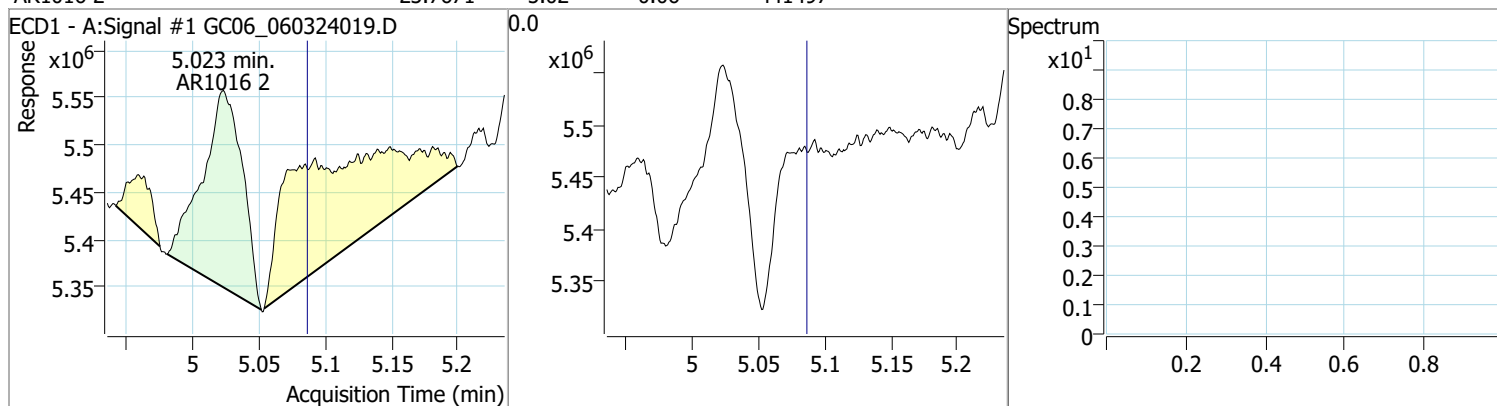
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.3512	4.76	0.00	112002352				



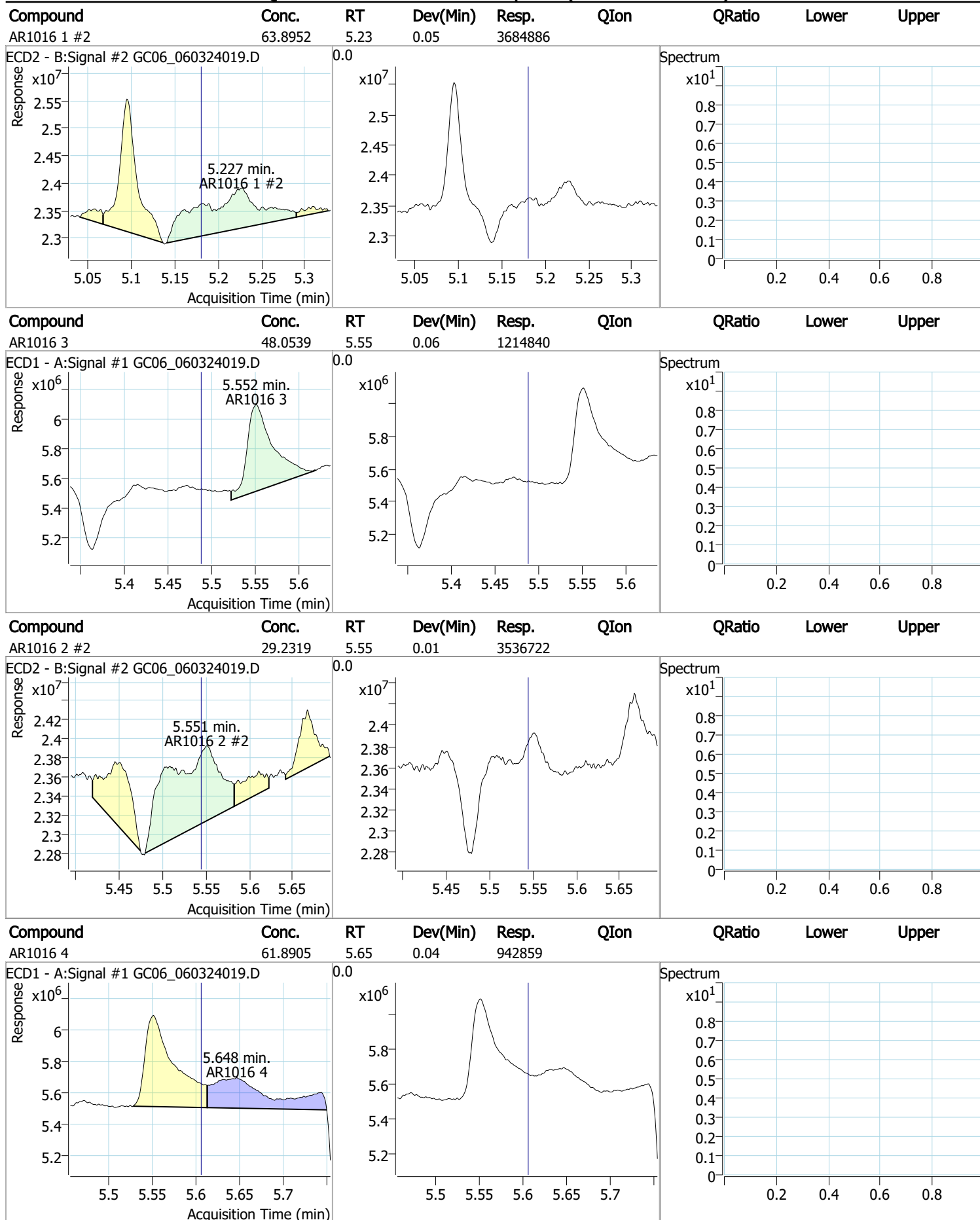
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	77.7404	4.81	0.02	739422				



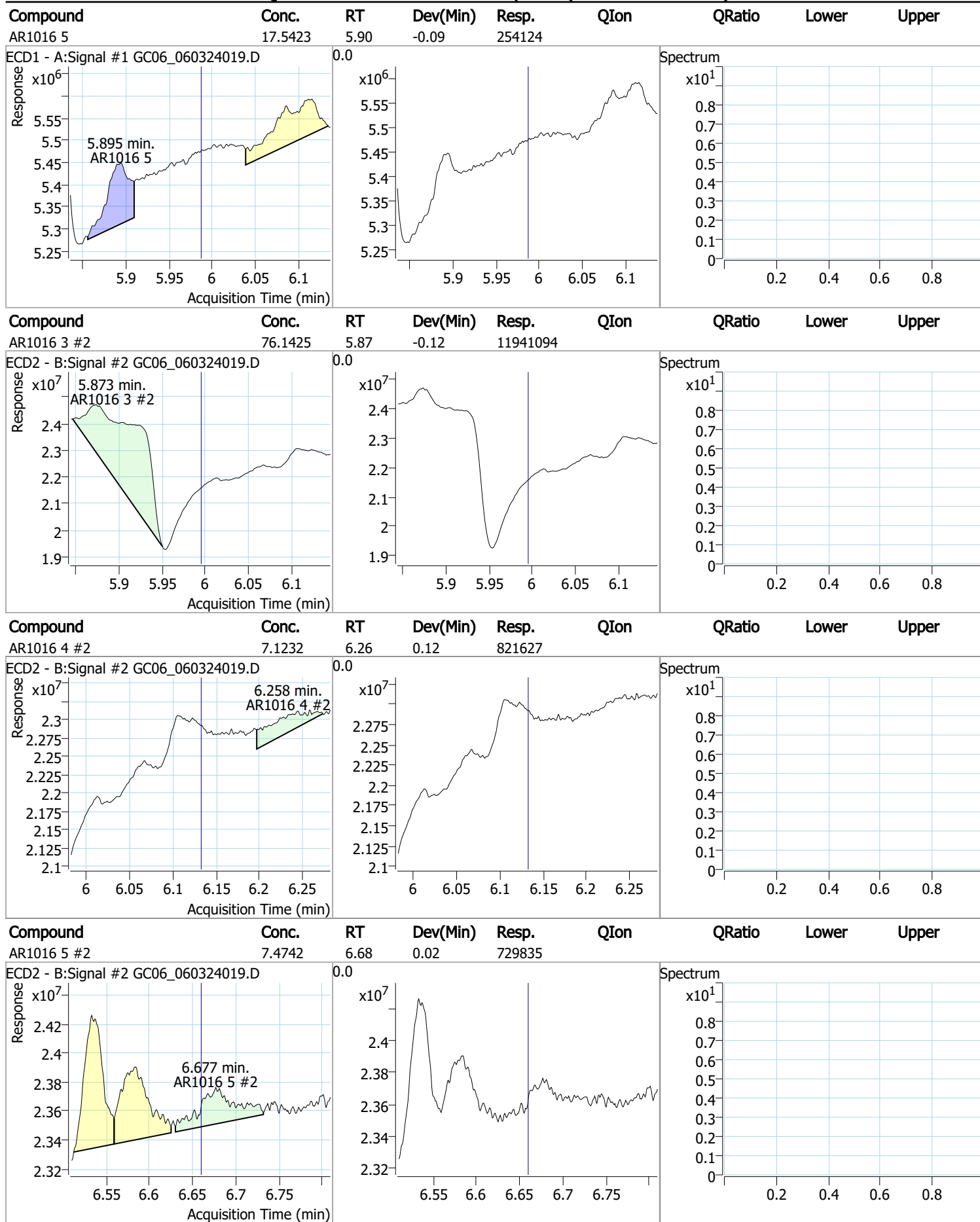
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	23.7671	5.02	-0.06	441497				



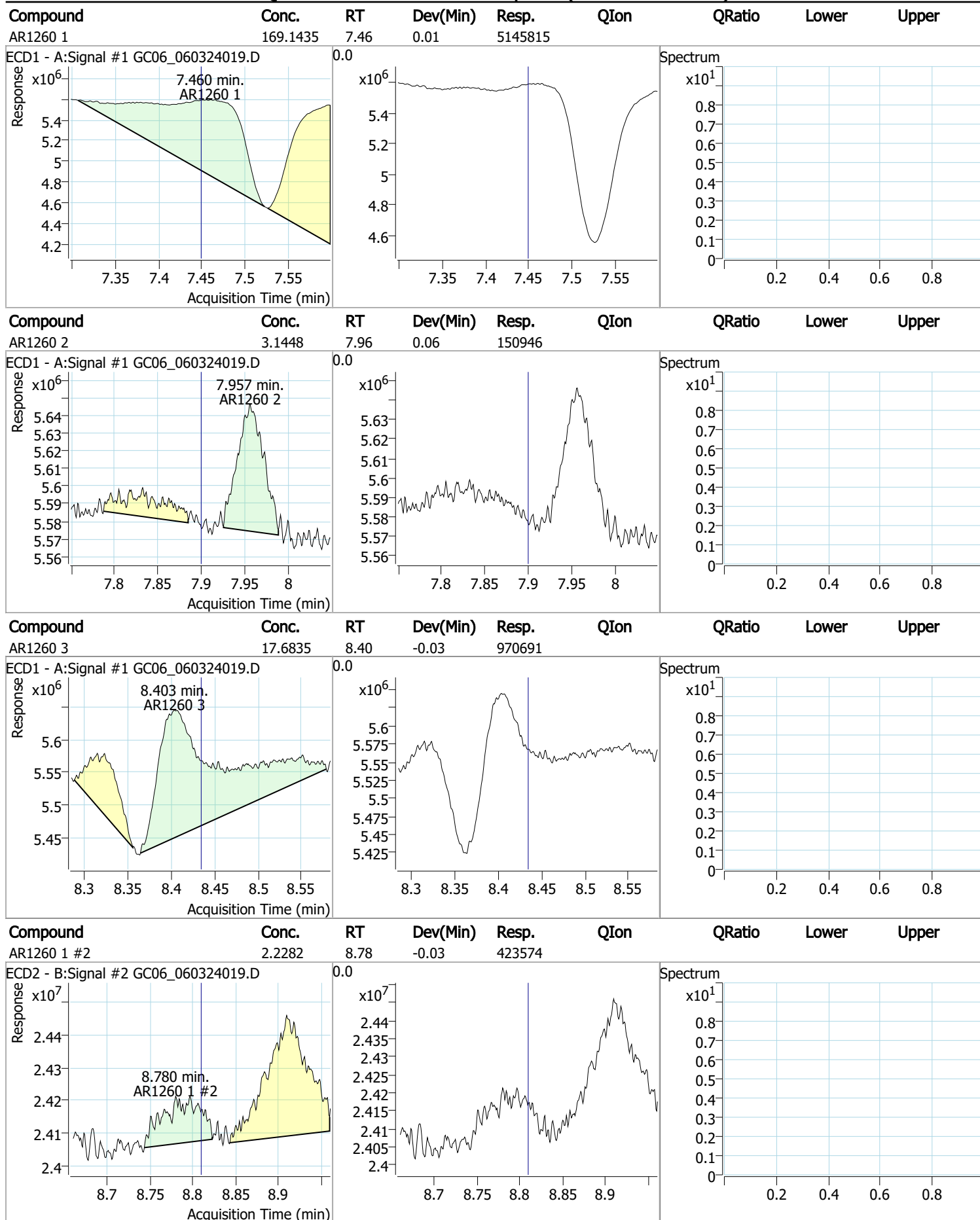
Quantitation Results Report (Not Reviewed)



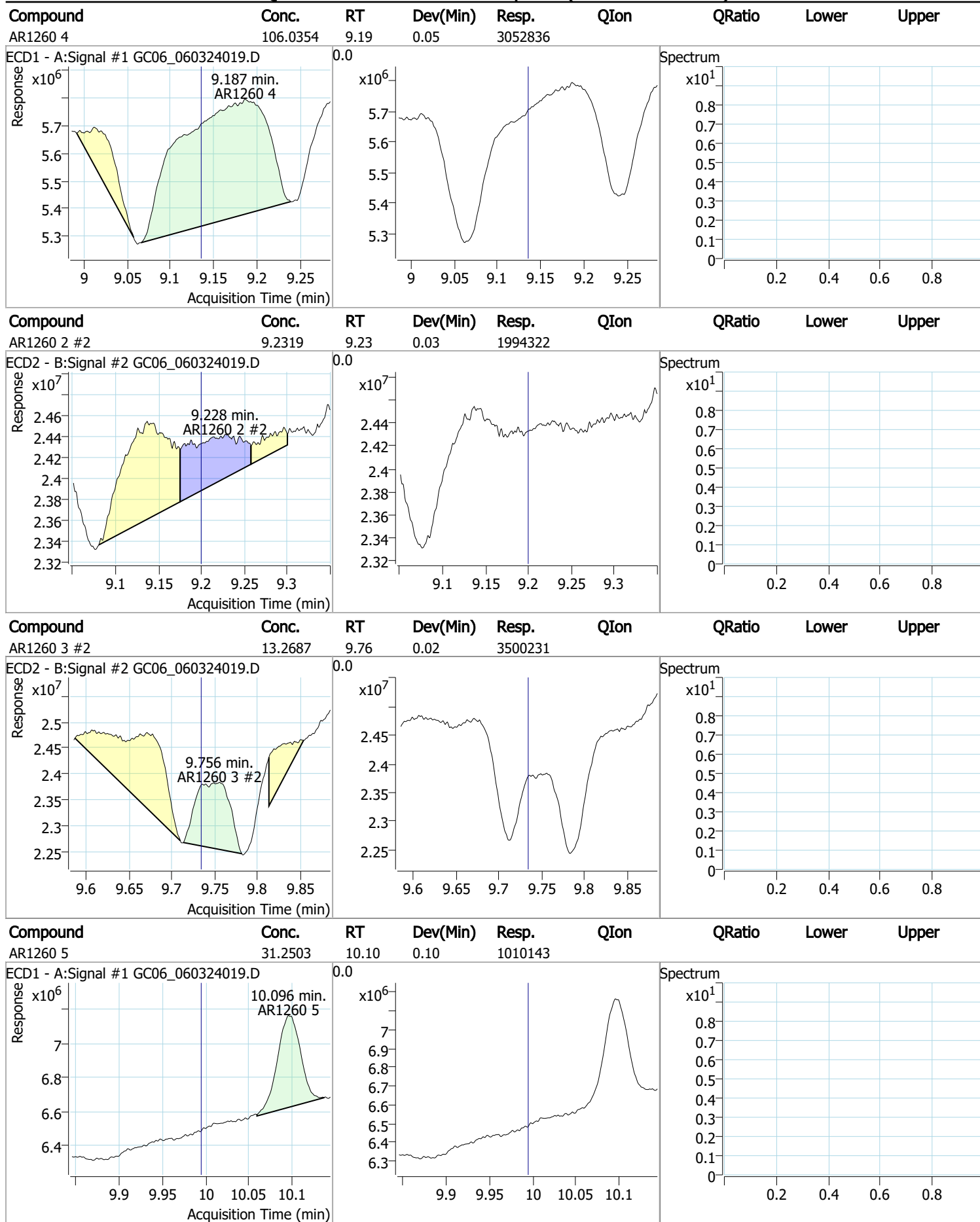
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

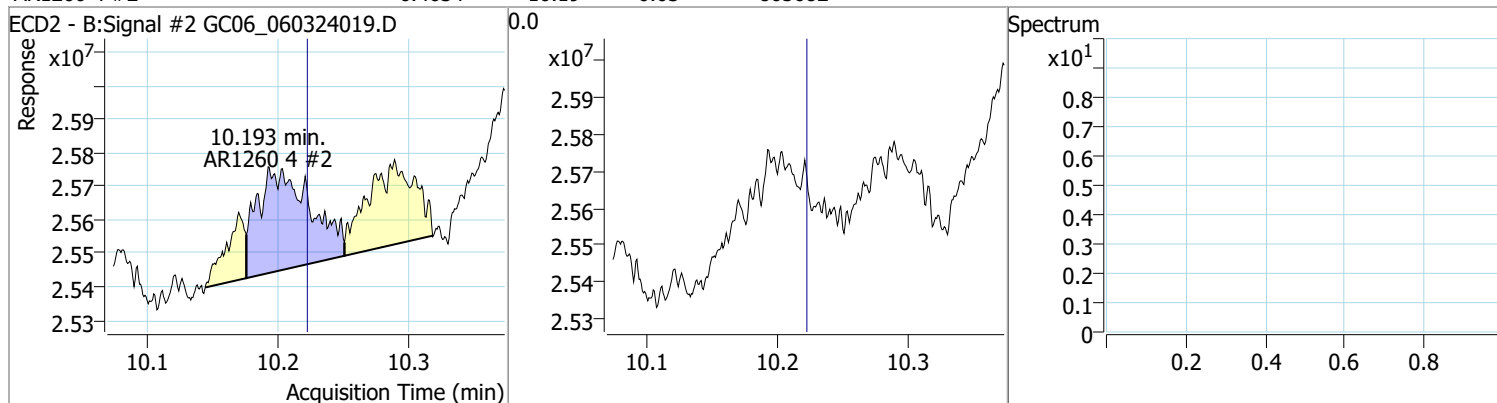


Quantitation Results Report (Not Reviewed)

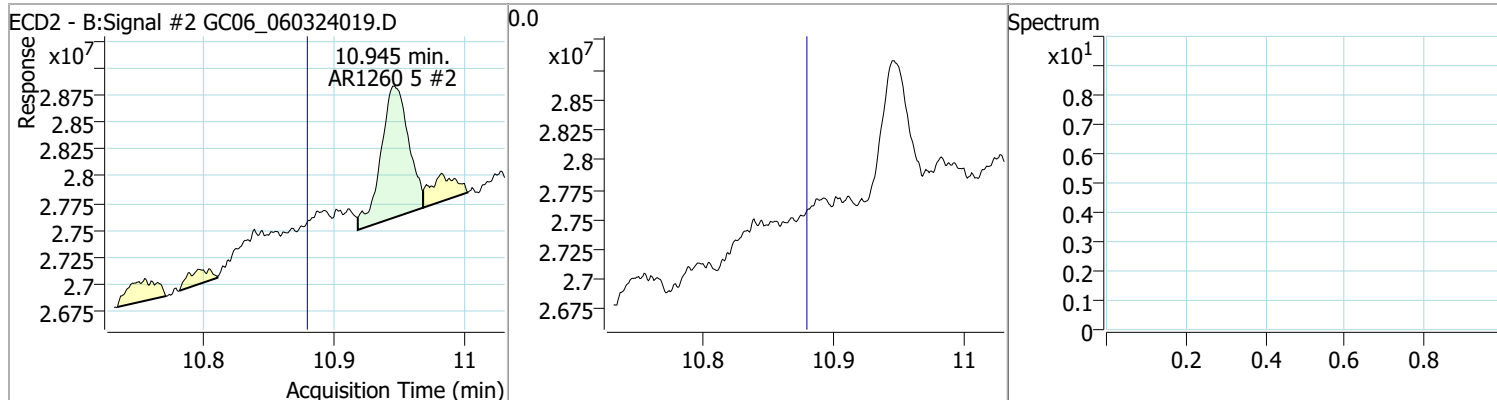


Quantitation Results Report (Not Reviewed)

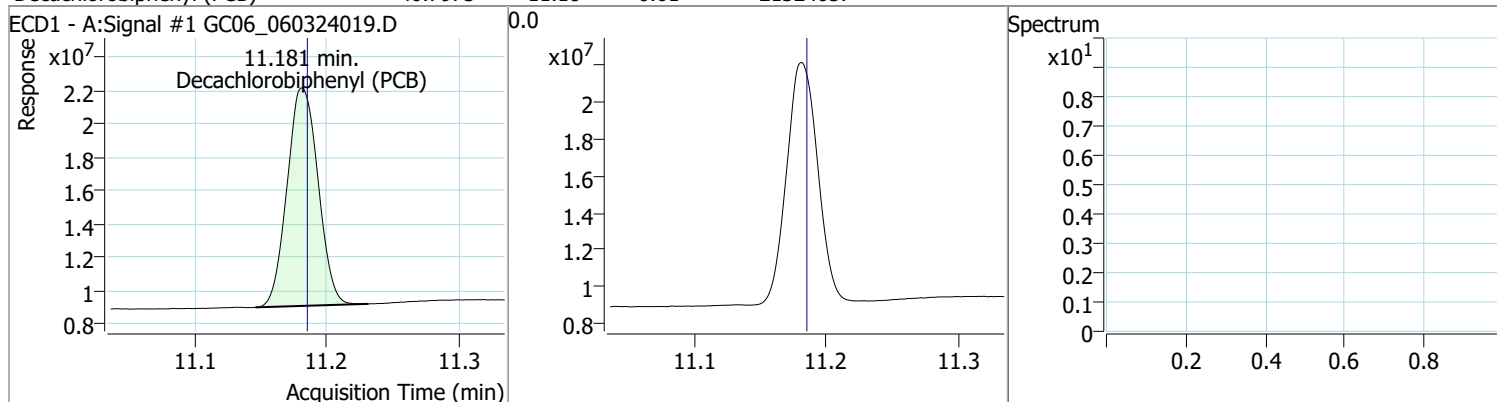
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	6.4634	10.19	-0.03	865682				



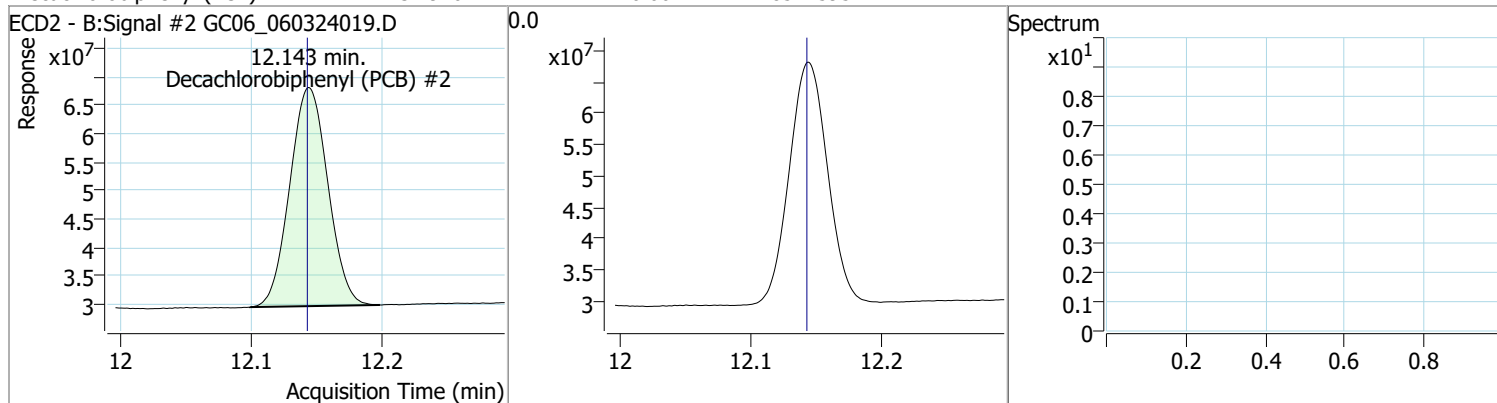
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	9.8042	10.95	0.06	1786139				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.7973	11.18	-0.01	21324057				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.9704	12.14	0.00	78572595				



ENTHALPY SPIKE USER REPORT FOR 509117 PCBS Wipe
EPA 8082

Type: BS	Type: BSD
Inst: SVOA-GC06	Inst: SVOA-GC06
Seqnum: 454224018020.1	Seqnum: 454224018021.1
File: gc06_060324020	File: gc06_060324021
IDF: 1.0	IDF: 1.0
Lab ID: QC1157616	Lab ID: QC1157617
Matrix: Wipe	Matrix: Wipe
Batch: 341640	Batch: 341640
Time: 03-JUN-2024 19:17	Time: 03-JUN-2024 19:36
Cal: 454215118005	Cal: 454215118005
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	392.4	3.924	B	78	381.3	3.813	B	76	60-140	3	20	u
Aroclor-1016 Peak # 1		437.0	4.370	B		426.0	4.260	B					
Aroclor-1016 Peak # 2		435.2	4.352	B		427.4	4.274	B					
Aroclor-1016 Peak # 3		333.1	3.331	B		309.2	3.092	B					
Aroclor-1016 Peak # 4		371.4	3.714	B		365.2	3.652	B					
Aroclor-1016 Peak # 5		385.6	3.856	B		378.4	3.784	B					
Aroclor-1260	5.000	427.8	4.278	B	86	418.2	4.182	B	84	60-140	2	20	u
Aroclor-1260 Peak # 1		421.3	4.213	B		411.6	4.116	B					
Aroclor-1260 Peak # 2		420.0	4.200	B		411.1	4.111	B					
Aroclor-1260 Peak # 3		440.9	4.409	B		428.7	4.287	B					
Aroclor-1260 Peak # 4		466.2	4.662	B		458.6	4.586	B					
Aroclor-1260 Peak # 5		390.4	3.904	B		381.1	3.811	B					
Surrogates													
TCMX (PCB)	0.5000	44.21	0.4421	B	88	43.93	0.4393	B	88	19-121			u
Decachlorobiphenyl (PCB)	0.5000	41.03	0.4103	B	82	40.64	0.4064	B	81	19-121			u

ISTD (CCV gc06_060324004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	54609708	7.65
1-bromo-2-nitrobenzene (PCB)	A	9322089	9092088	-2.47

ISTD (CCV gc06_060324004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

ISTD (CCV gc06_060324004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	50728464	55970807	10.33
1-bromo-2-nitrobenzene (PCB)	A	9322089	9384400	0.67

ISTD (CCV gc06_060324004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.88	3.88	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.70	3.70	0.00

06/04/24 : WIPE/1S-10ML [general version]

MES 06/04/24 [Aroclor-1260 Peak # 1 A]: Corrected automatically drawn baseline for Ch. A for spike & dup. [general version]

MES 06/04/24 [Aroclor-1016 Peak # 3 B]: Separated from coeluting peak for Ch. B for spike & dup. [general version]

MES 06/04/24 [Aroclor-1260 Peak # 3 B]: Corrected automatically drawn baseline for Ch. B for spike & dup. [general version]

MES 06/04/24 [Aroclor-1260 Peak # 4 B]: Corrected automatically drawn baseline for Ch. B for spike & dup. [general version]

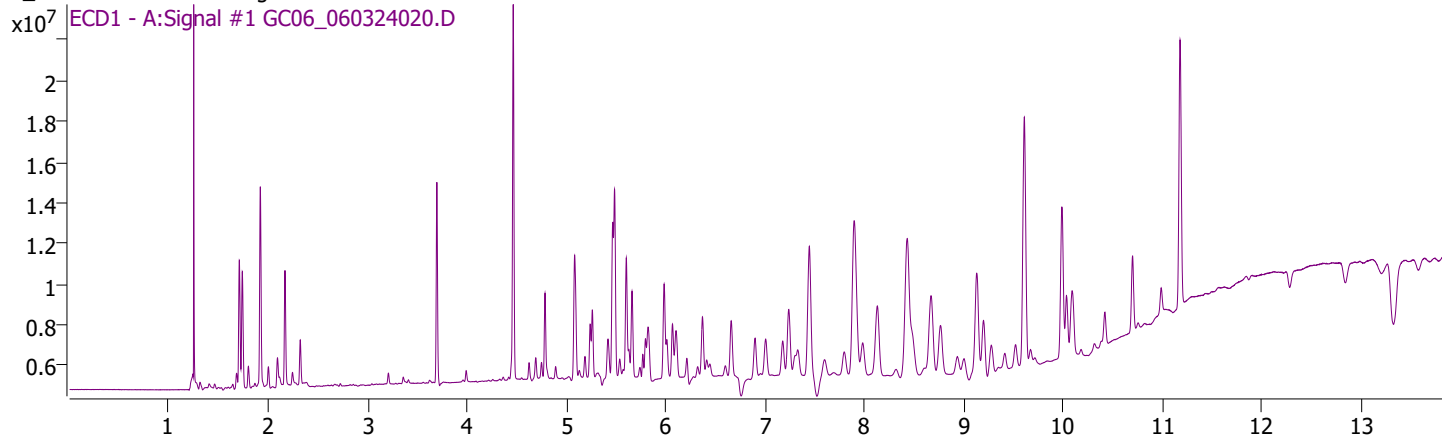
U=Use

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

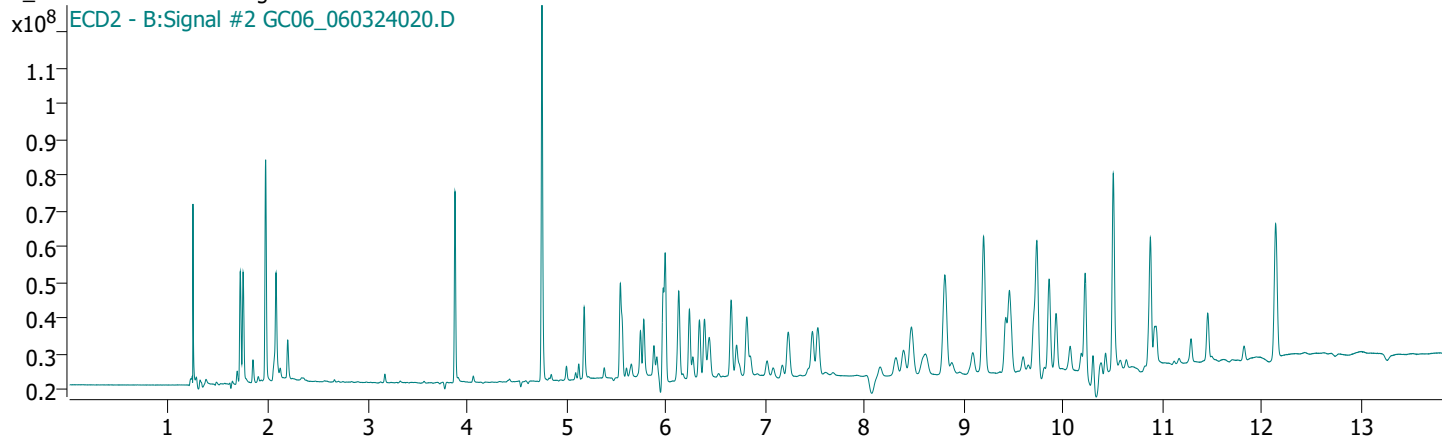
Quantitation Results Report (Not Reviewed)

Data File	GC06_060324020.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 7:17:41 PM
Sample Name	QC1157616, 341640, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_05.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			

GC06_060324020.D No MS Signals



GC06_060324020.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	9092088.23 0	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	54609708.2 71	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.468	0.0	18361872.9 50	43.6948	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.47%	*	
S TCMX (PCB) #2	4.757	0.0	106406501. 028	44.2100	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.05%	*	
S Decachlorobiphenyl (PCB)	11.181	0.0	21515434.0 57	43.8742	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.37%	*	
S Decachlorobiphenyl (PCB) #2	12.143	0.0	80921867.1 52	41.0311	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.16%	*	

Target Compounds

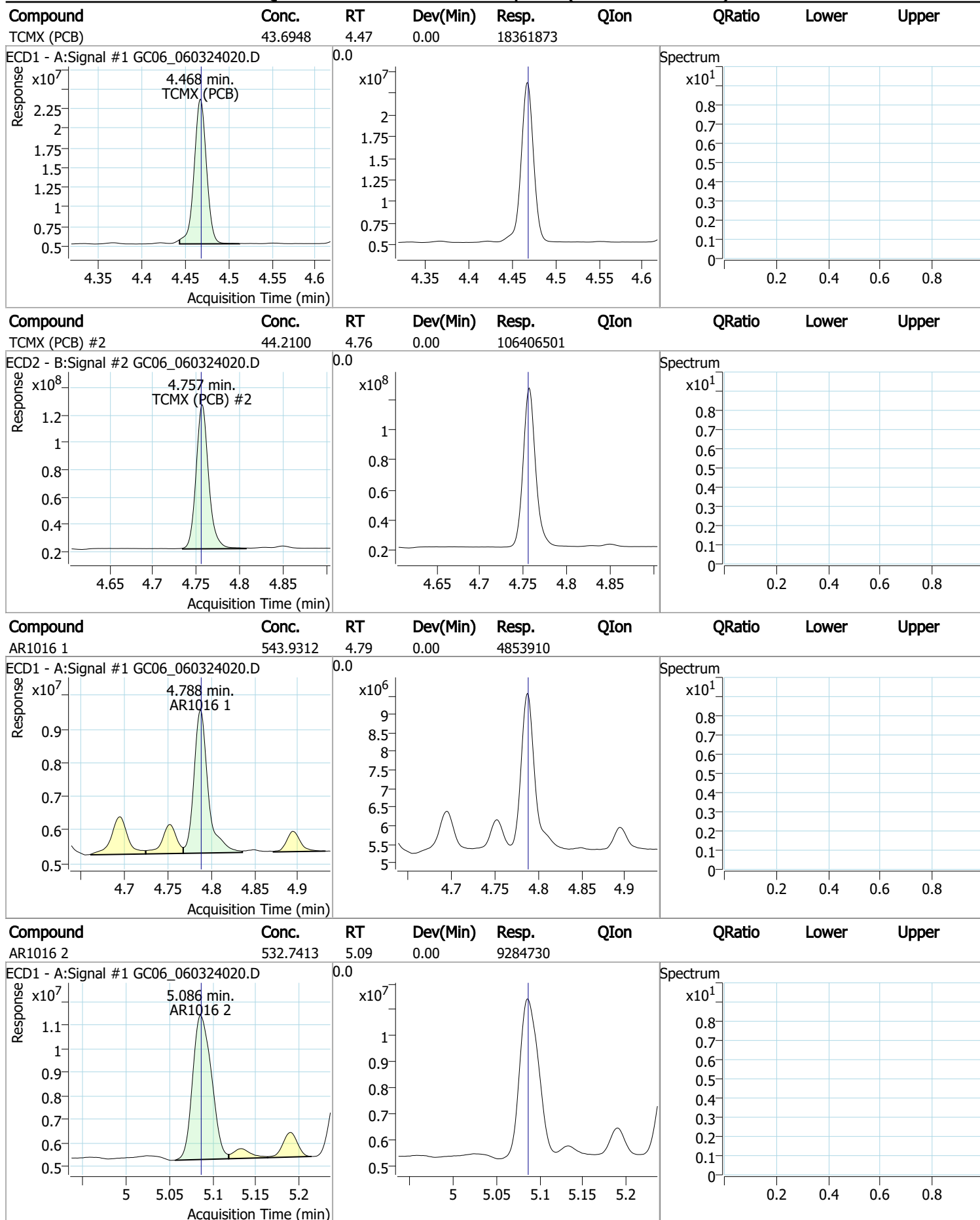
QValue

Quantitation Results Report (Not Reviewed)

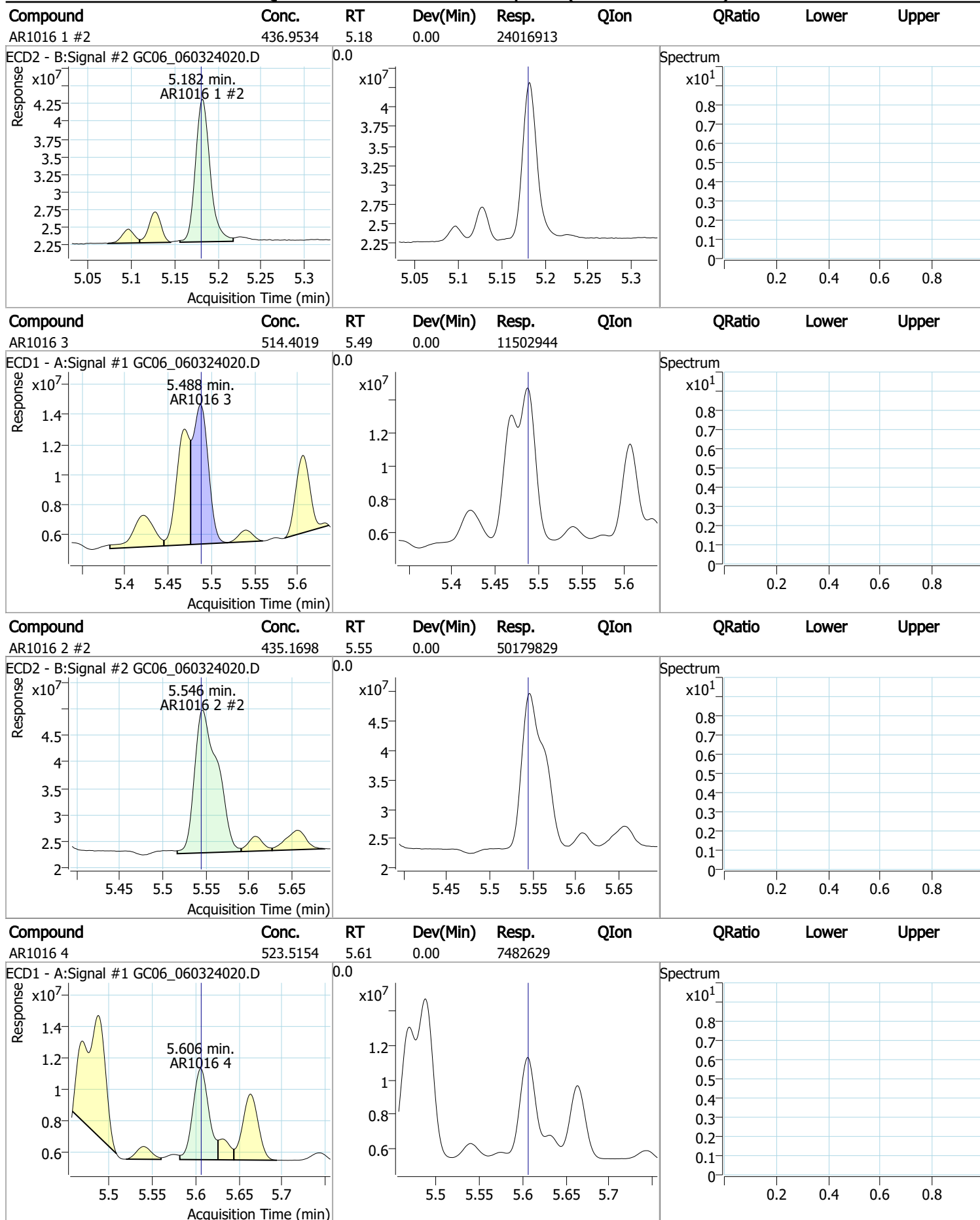
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.788	0.0	4853910.209	543.9312	ng/ml	100
T AR1016 2	5.086	0.0	9284729.529	532.7413	ng/ml	100
T AR1016 1 #2	5.182	0.0	24016912.558	436.9534	ng/ml	100
T AR1016 3	5.488	0.0	11502944.399	514.4019	ng/ml	100
T AR1016 2 #2	5.546	0.0	50179828.994	435.1698	ng/ml	100
T AR1016 4	5.606	0.0	7482629.040	523.5154	ng/ml	100
T AR1016 5	5.987	0.0	6735608.178	495.5819	ng/ml	100
T AR1016 3 #2	5.998	0.0	49783855.900	333.0774	ng/ml m	100
T AR1016 4 #2	6.133	0.0	40823630.072	371.3529	ng/ml	100
T AR1016 5 #2	6.661	0.0	35886574.292	385.6077	ng/ml	100
T AR1260 1	7.448	0.0	14396699.081	504.3849	ng/ml m	100
T AR1260 2	7.900	0.0	22614401.464	502.1708	ng/ml	100
T AR1260 3	8.434	0.0	26156512.440	507.8863	ng/ml	100
T AR1260 1 #2	8.813	0.0	76321476.122	421.2510	ng/ml	100
T AR1260 4	9.133	0.0	13305988.976	492.5981	ng/ml	100
T AR1260 2 #2	9.203	0.0	86470395.946	419.9881	ng/ml	100
T AR1260 3 #2	9.739	0.0	110858349.933	440.9340	ng/ml m	100
T AR1260 5	9.991	0.0	14070922.454	463.9725	ng/ml	100
T AR1260 4 #2	10.225	0.0	59514605.750	466.2276	ng/ml m	100
T AR1260 5 #2	10.882	0.0	67785991.707	390.3992	ng/ml	100

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

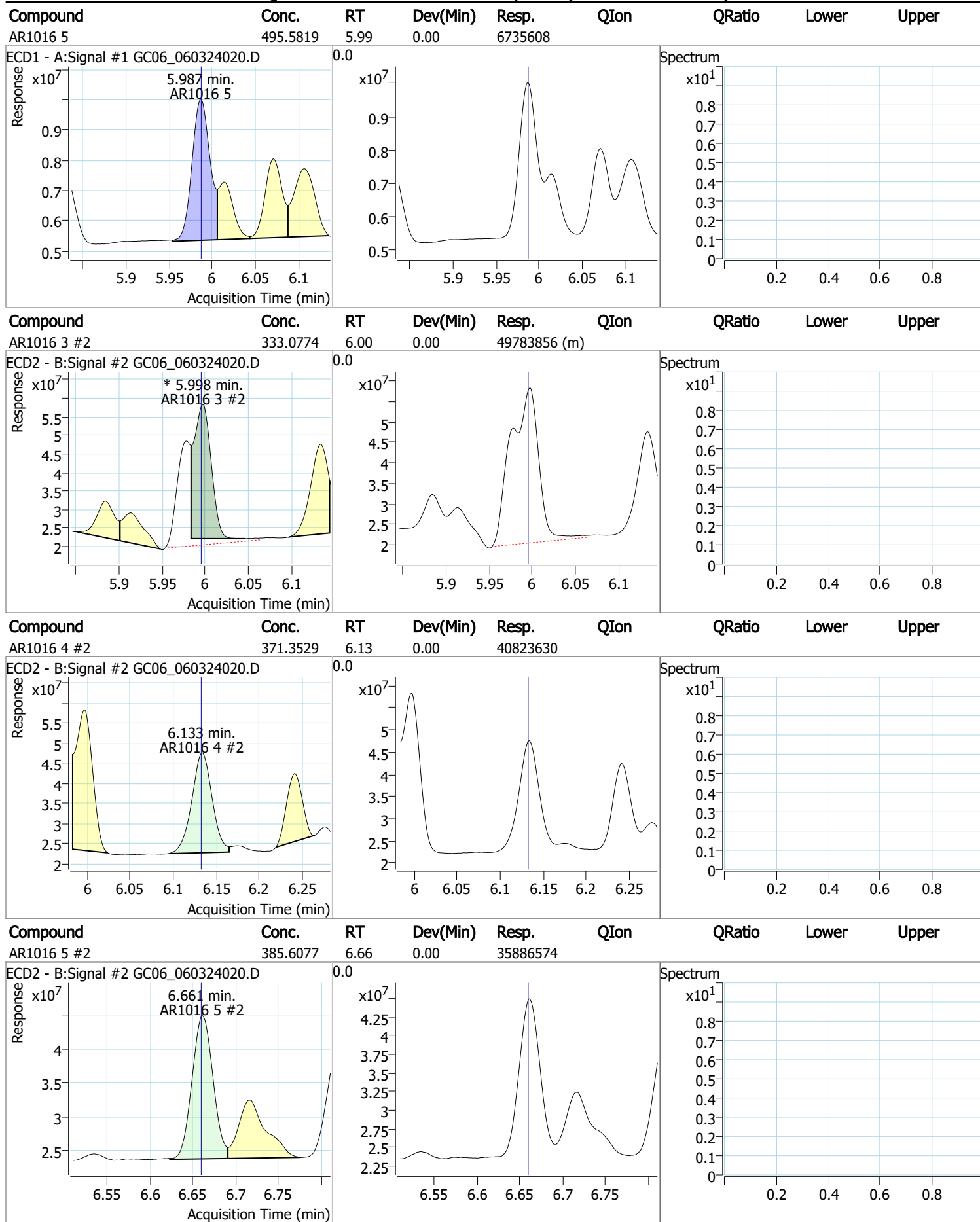
Quantitation Results Report (Not Reviewed)



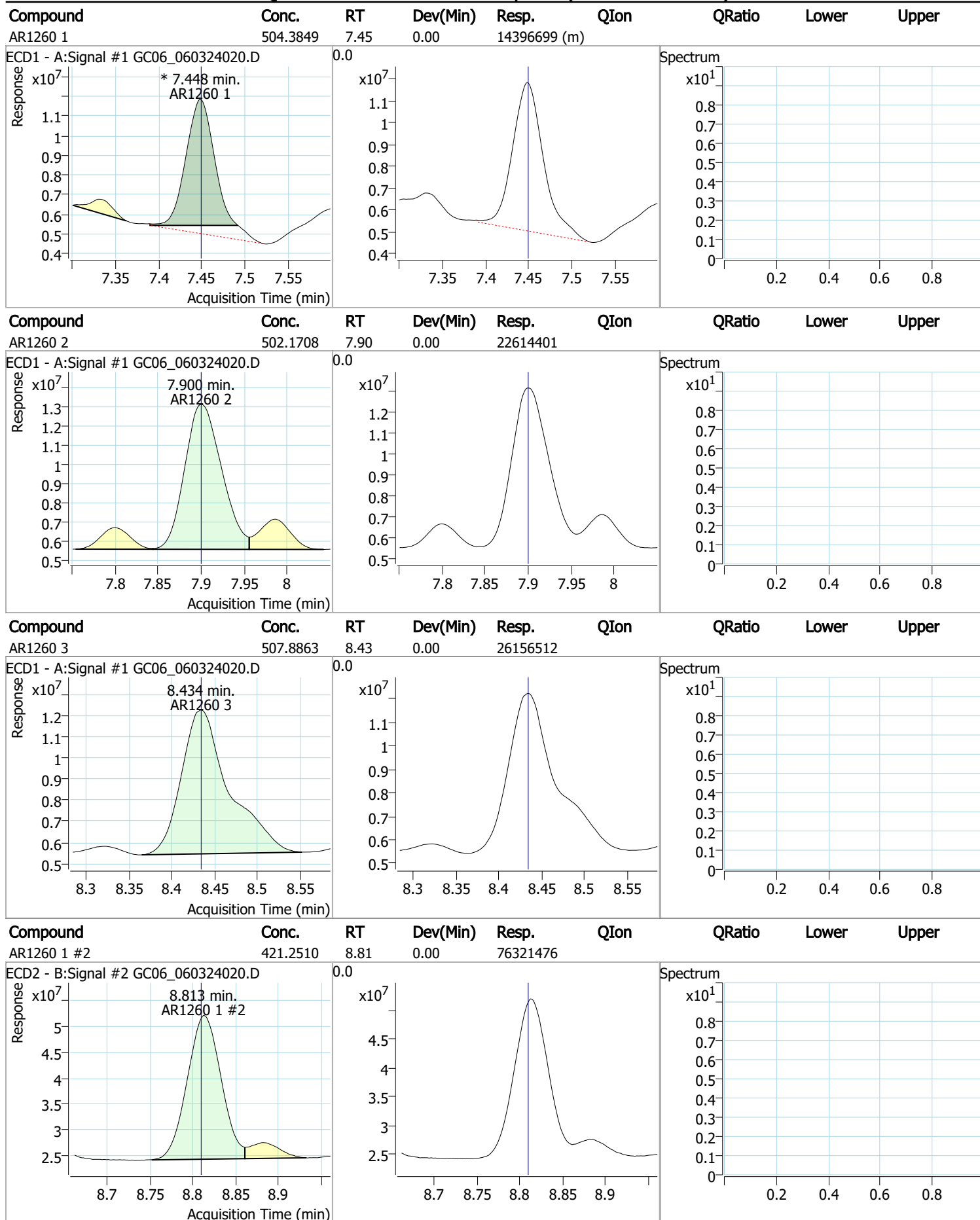
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

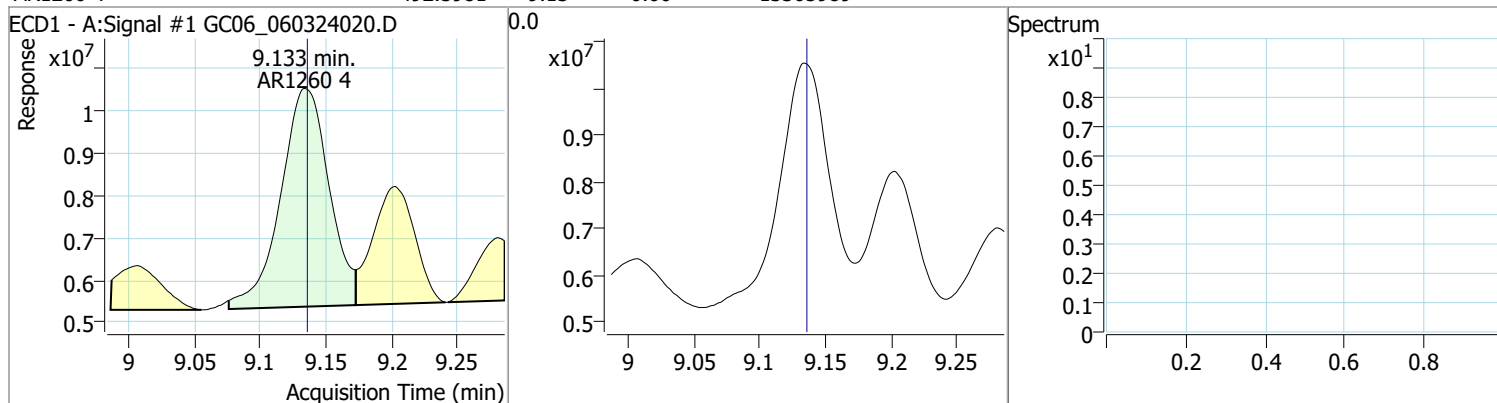


Quantitation Results Report (Not Reviewed)

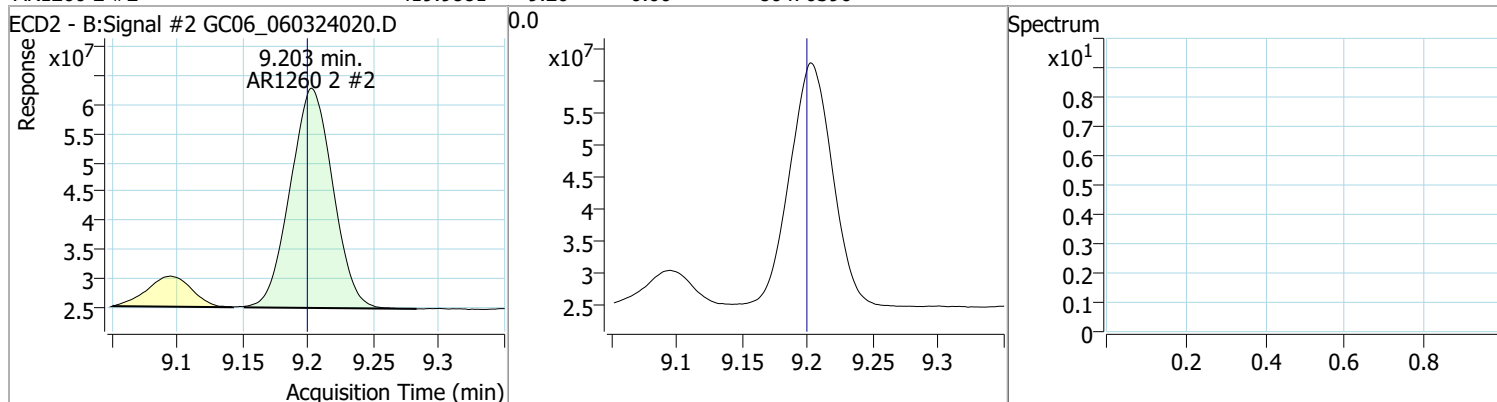


Quantitation Results Report (Not Reviewed)

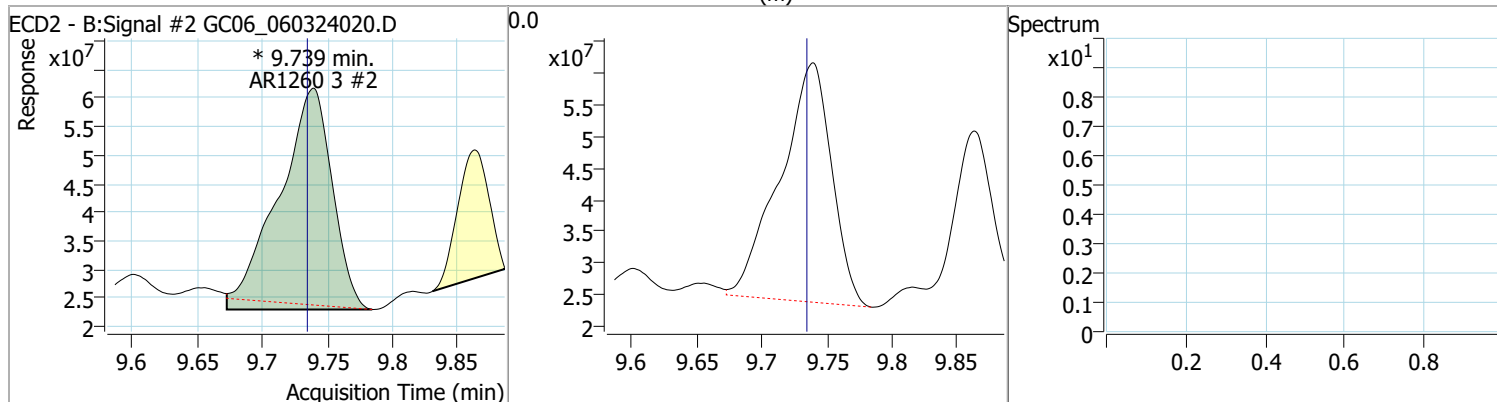
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	492.5981	9.13	0.00	13305989				



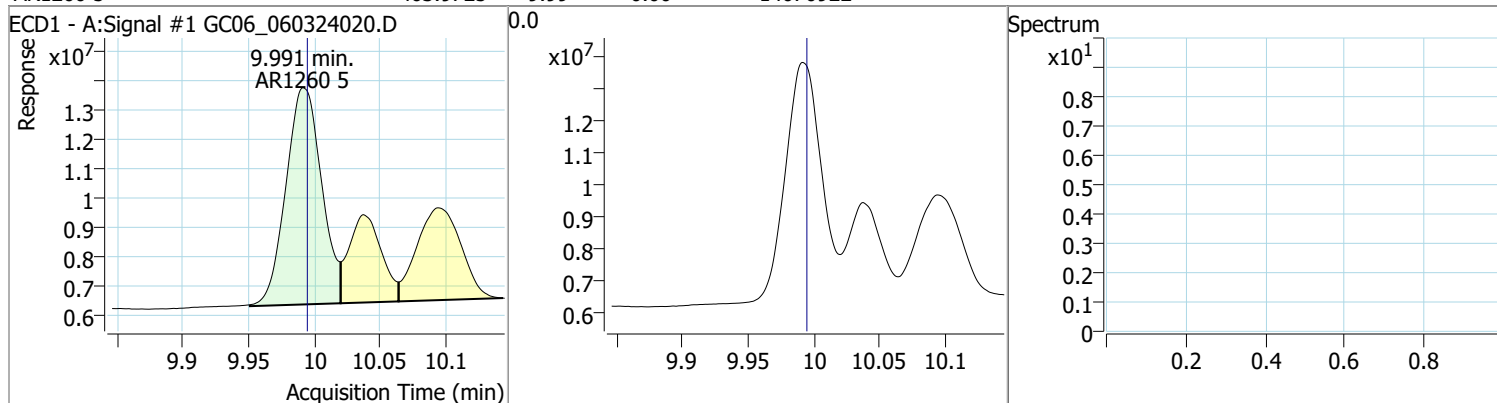
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	419.9881	9.20	0.00	86470396				



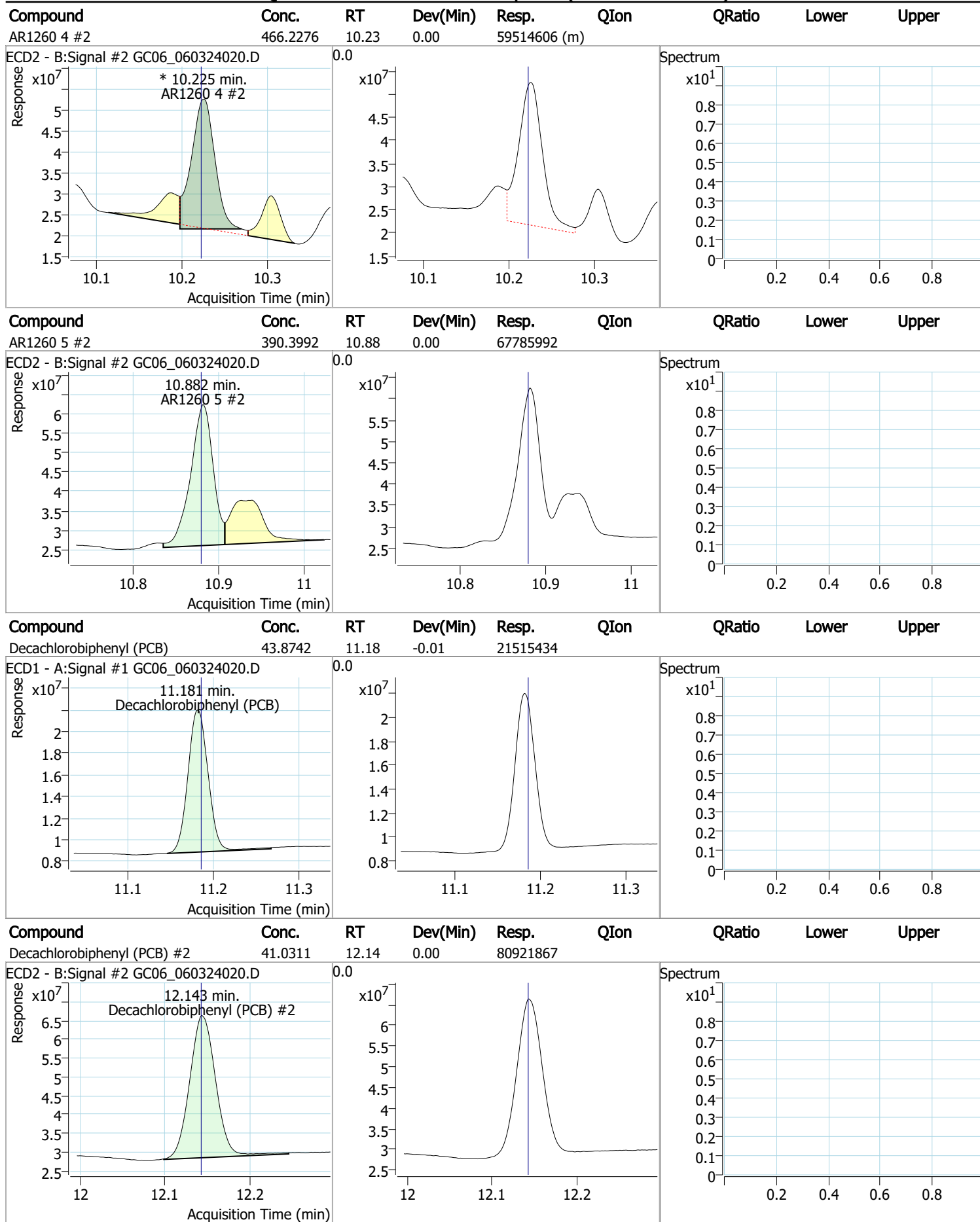
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	440.9340	9.74	0.00	110858350 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	463.9725	9.99	0.00	14070922				



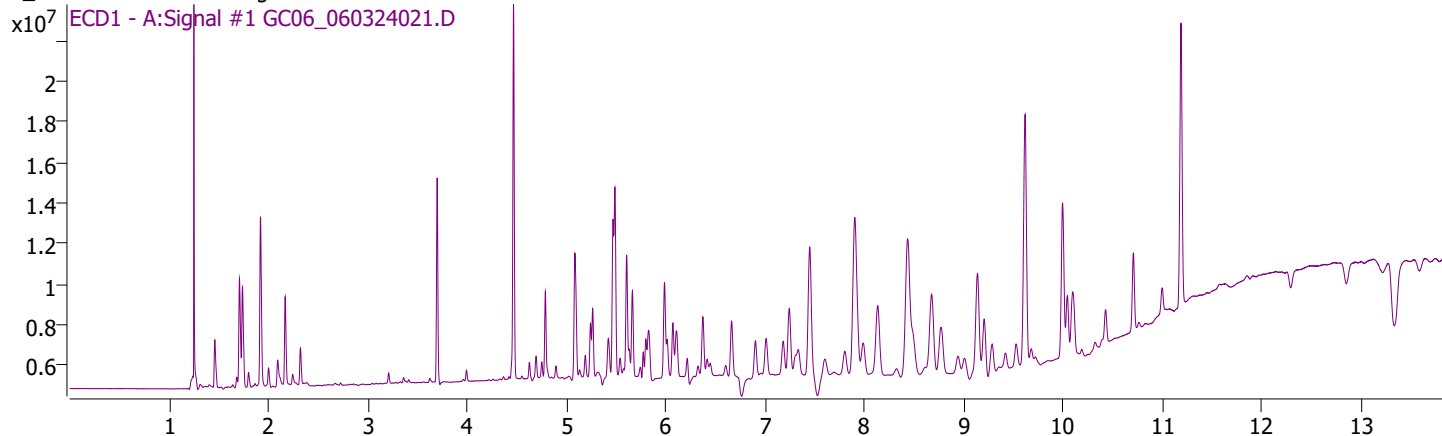
Quantitation Results Report (Not Reviewed)



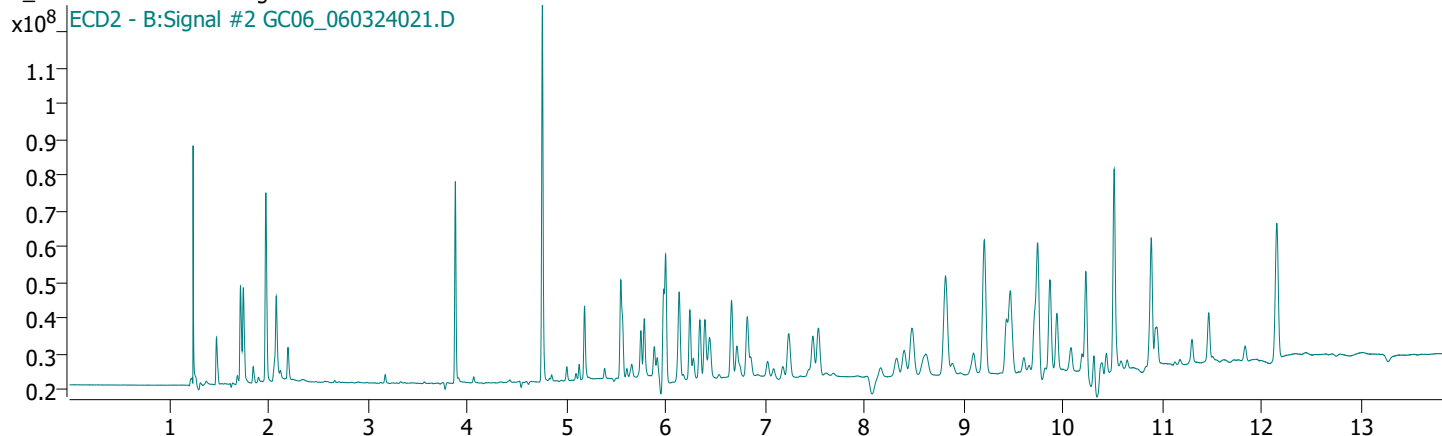
Quantitation Results Report (Not Reviewed)

Data File	GC06_060324021.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 7:36:00 PM
Sample Name	QC1157617, 341640, 1	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_05.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			

GC06_060324021.D No MS Signals



GC06_060324021.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.698	0.0	9384399.57 1	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.881	0.0	55970806.5 47	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.467	0.0	18556685.0 34	42.7829	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.91%	*	
S TCMX (PCB) #2	4.757	0.0	108364109. 486	43.9284	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.64%	*	
S Decachlorobiphenyl (PCB)	11.183	0.0	21868850.6 05	43.2058	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.03%	*	
S Decachlorobiphenyl (PCB) #2	12.147	0.0	82151141.5 77	40.6415	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.21%	*	

Target Compounds

QValue

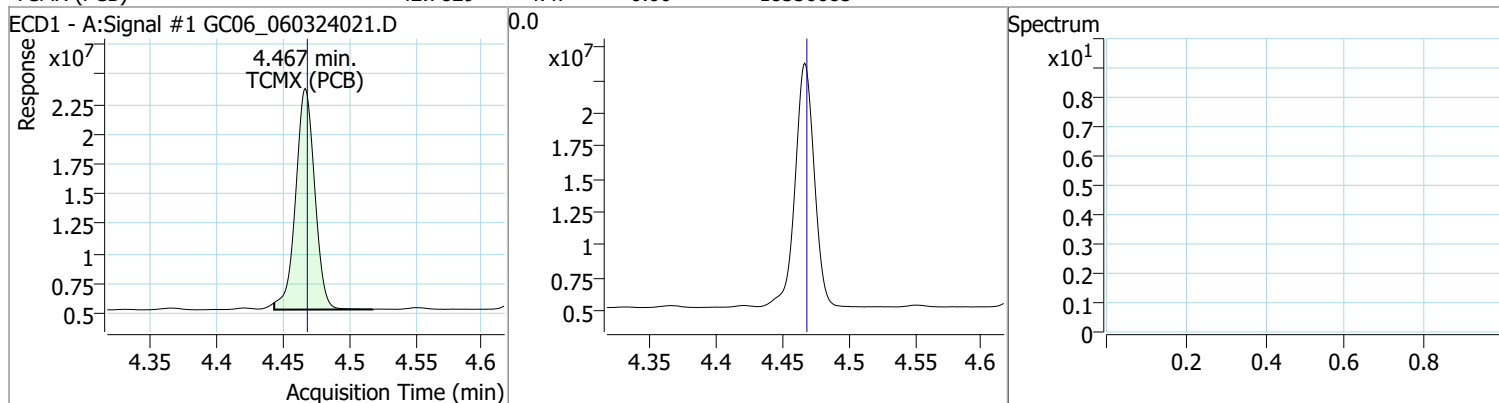
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.787	0.0	4953485.38 4	537.7993	ng/ml	100
T AR1016 2	5.084	0.0	9420968.64 8	523.7208	ng/ml	100
T AR1016 1 #2	5.181	0.0	24000242.5 46	426.0317	ng/ml	100
T AR1016 3	5.487	0.0	11588521.7 94	502.0867	ng/ml	100
T AR1016 2 #2	5.546	0.0	50516057.5 43	427.4323	ng/ml	100
T AR1016 4	5.605	0.0	7464289.03 2	505.9655	ng/ml	100
T AR1016 5	5.986	0.0	6759372.62 5	481.8392	ng/ml	100
T AR1016 3 #2	5.997	0.0	47363799.8 00	309.1800	ng/ml m	100
T AR1016 4 #2	6.133	0.0	41150021.3 43	365.2192	ng/ml	100
T AR1016 5 #2	6.660	0.0	36093500.3 63	378.3999	ng/ml	100
T AR1260 1	7.448	0.0	13908811.9 50	472.1134	ng/ml m	100
T AR1260 2	7.900	0.0	22650699.5 05	487.3098	ng/ml	100
T AR1260 3	8.432	0.0	26306590.5 02	494.8897	ng/ml	100
T AR1260 1 #2	8.813	0.0	76429209.0 45	411.5871	ng/ml	100
T AR1260 4	9.135	0.0	13322772.3 02	477.8563	ng/ml	100
T AR1260 2 #2	9.203	0.0	86747327.7 43	411.0872	ng/ml	100
T AR1260 3 #2	9.739	0.0	110459228. 914	428.6625	ng/ml m	100
T AR1260 5	9.990	0.0	14177229.2 03	452.9165	ng/ml	100
T AR1260 4 #2	10.225	0.0	59993801.2 00	458.5526	ng/ml m	100
T AR1260 5 #2	10.883	0.0	67827674.3 29	381.1397	ng/ml	100

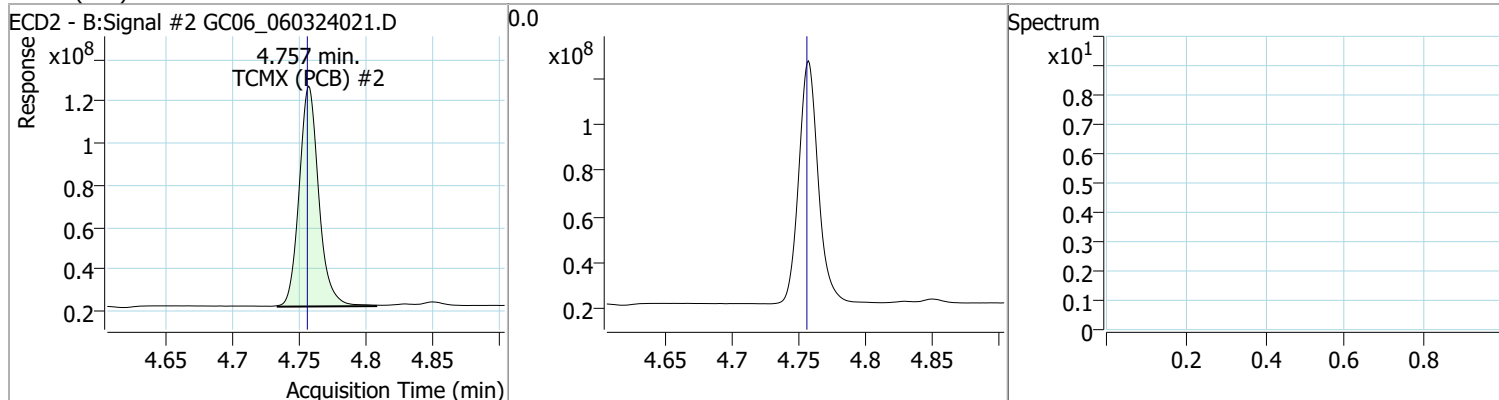
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

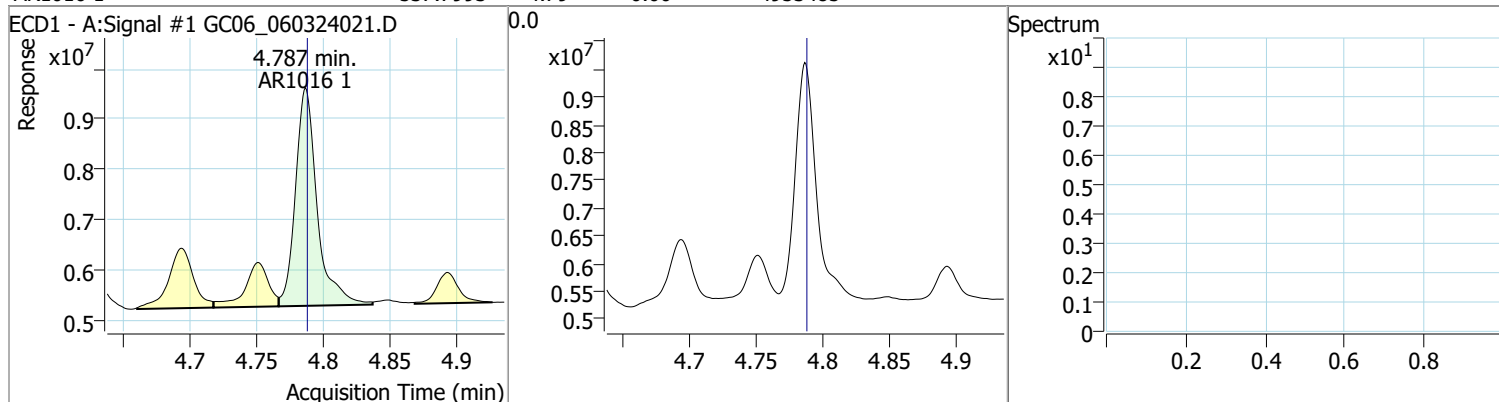
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.7829	4.47	0.00	18556685				



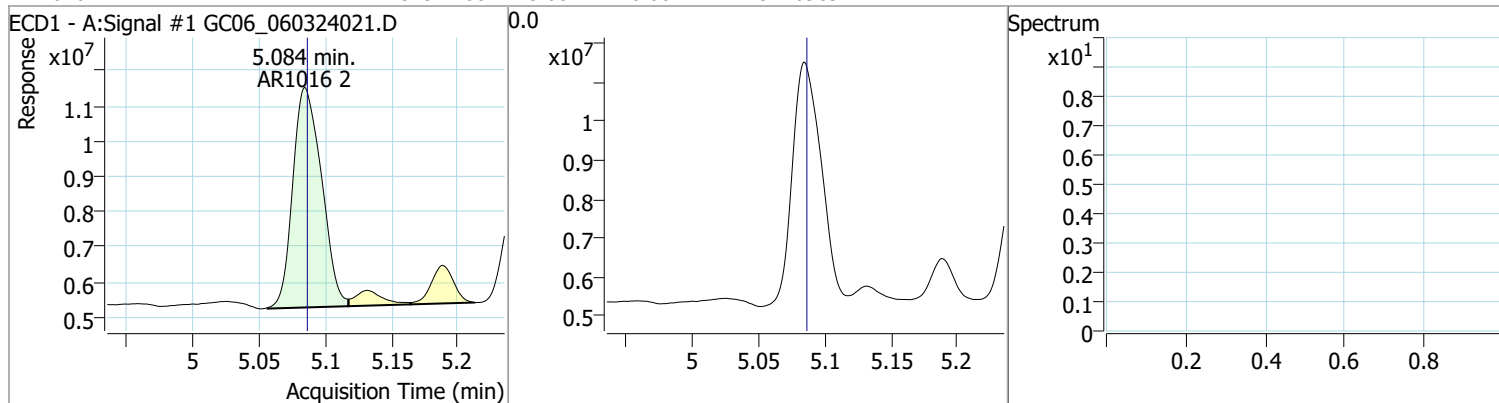
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.9284	4.76	0.00	108364109				



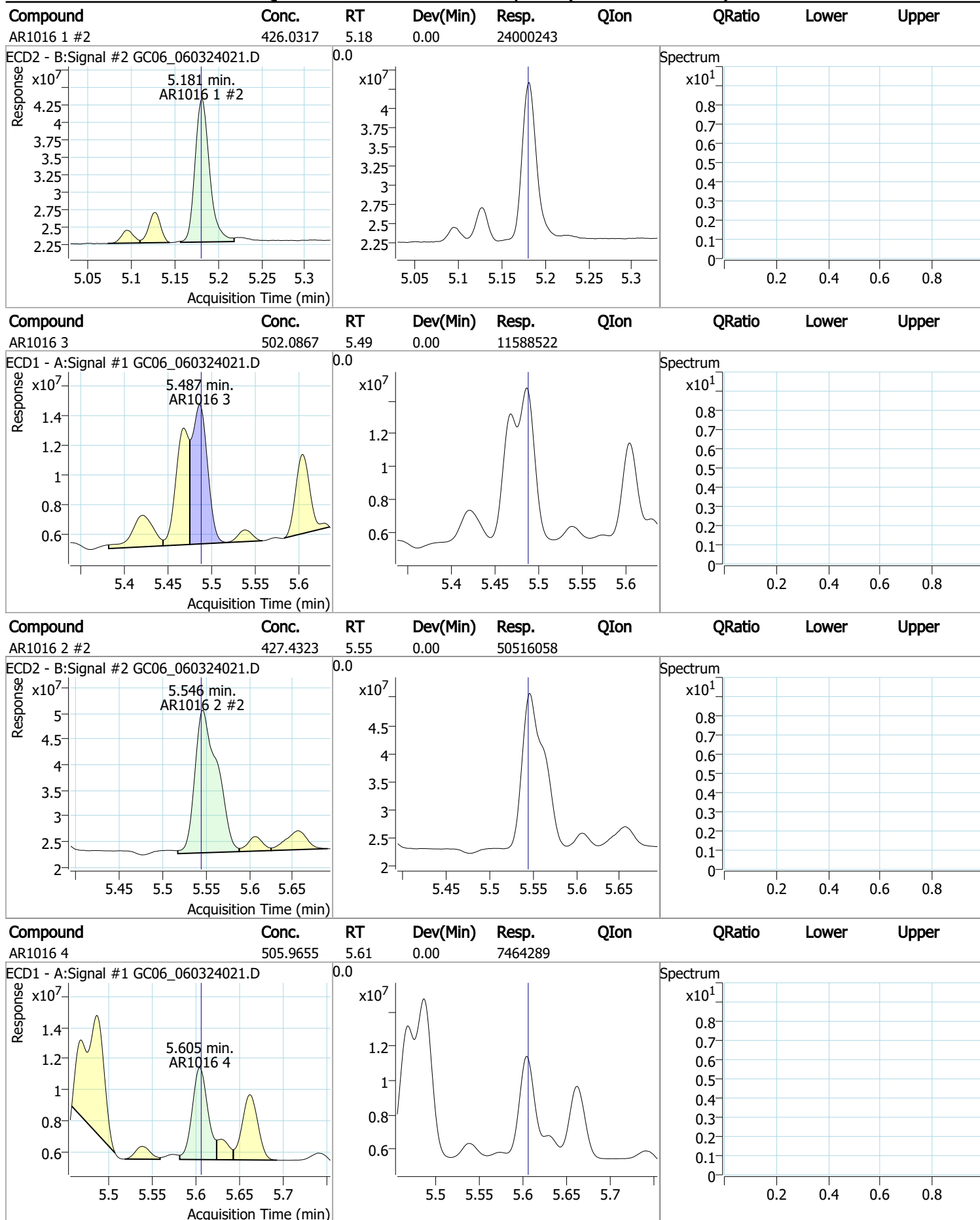
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	537.7993	4.79	0.00	4953485				



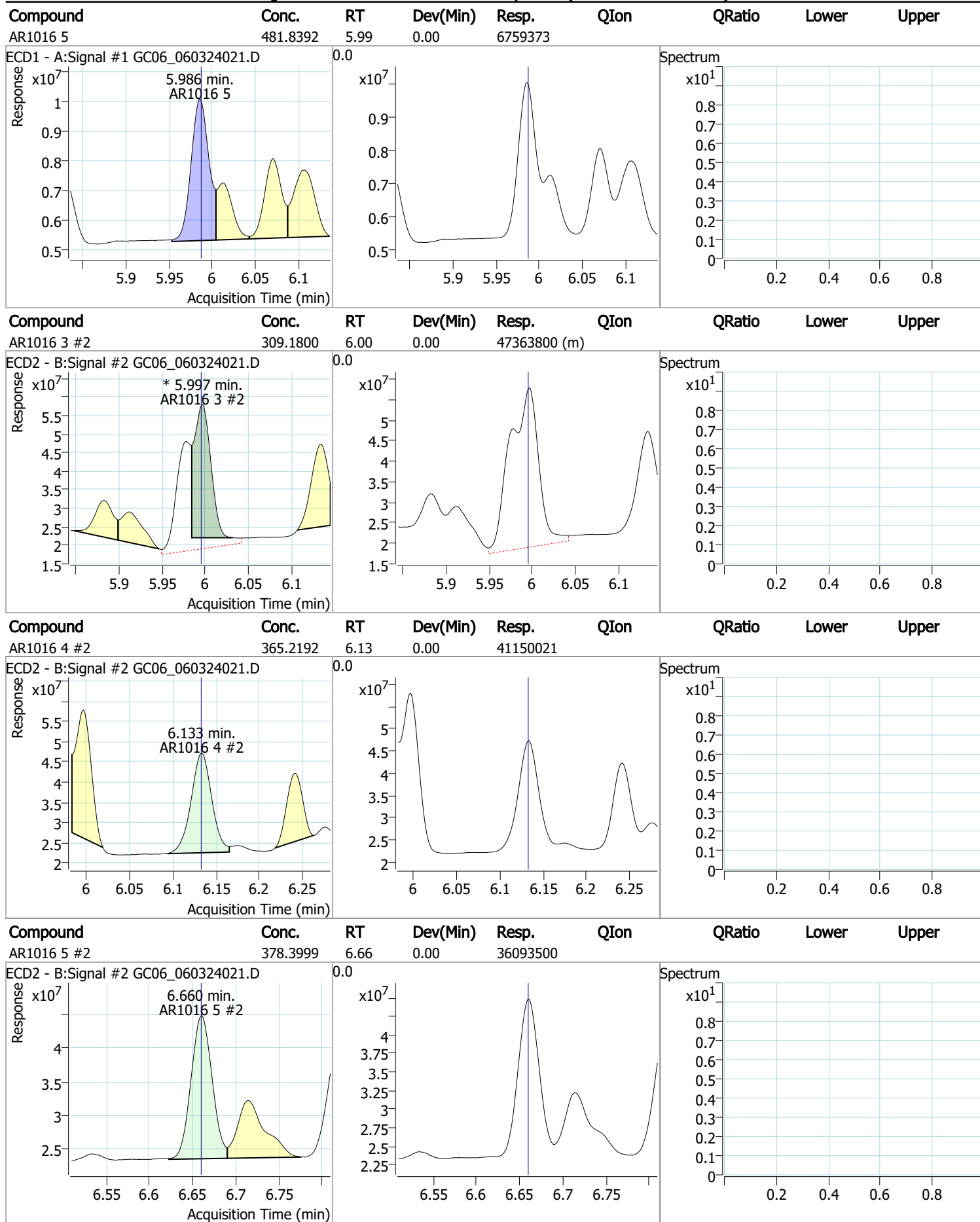
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	523.7208	5.08	0.00	9420969				



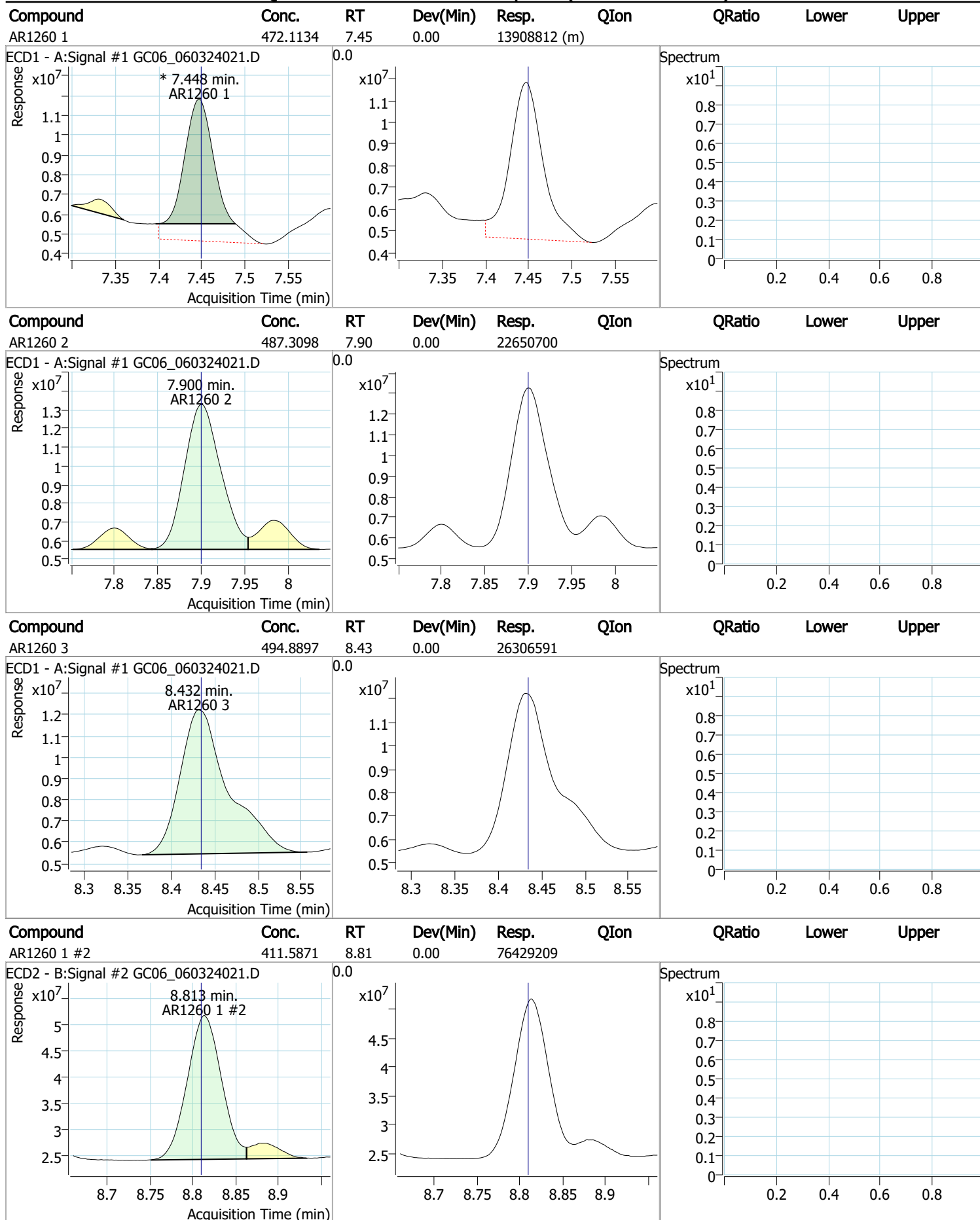
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

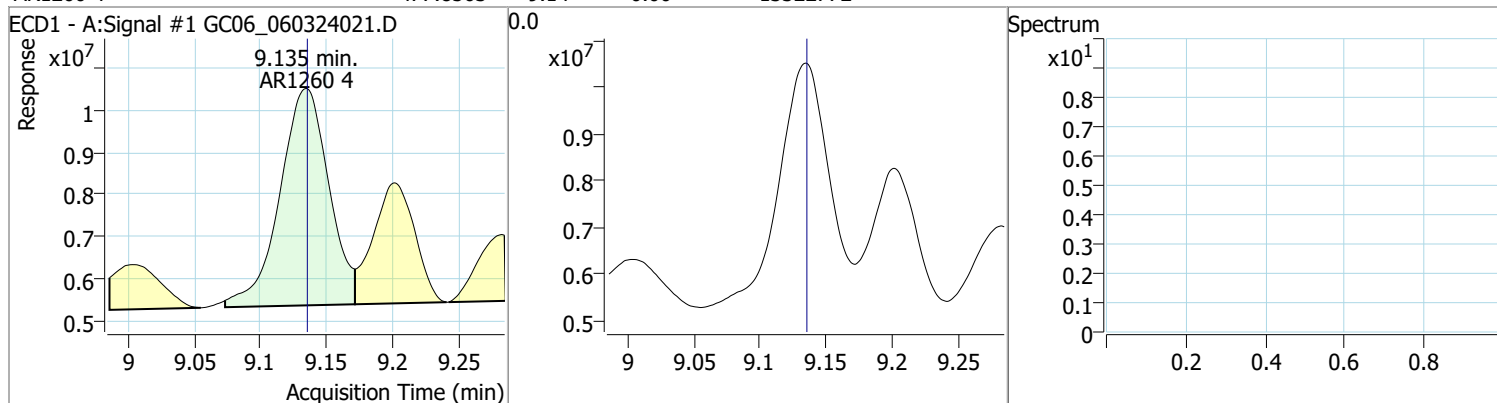


Quantitation Results Report (Not Reviewed)

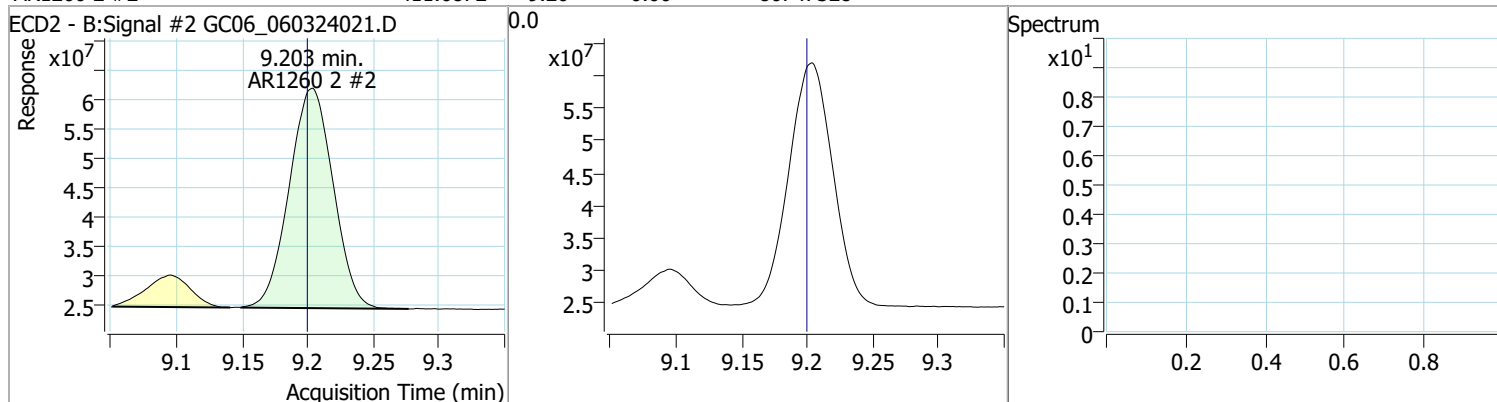


Quantitation Results Report (Not Reviewed)

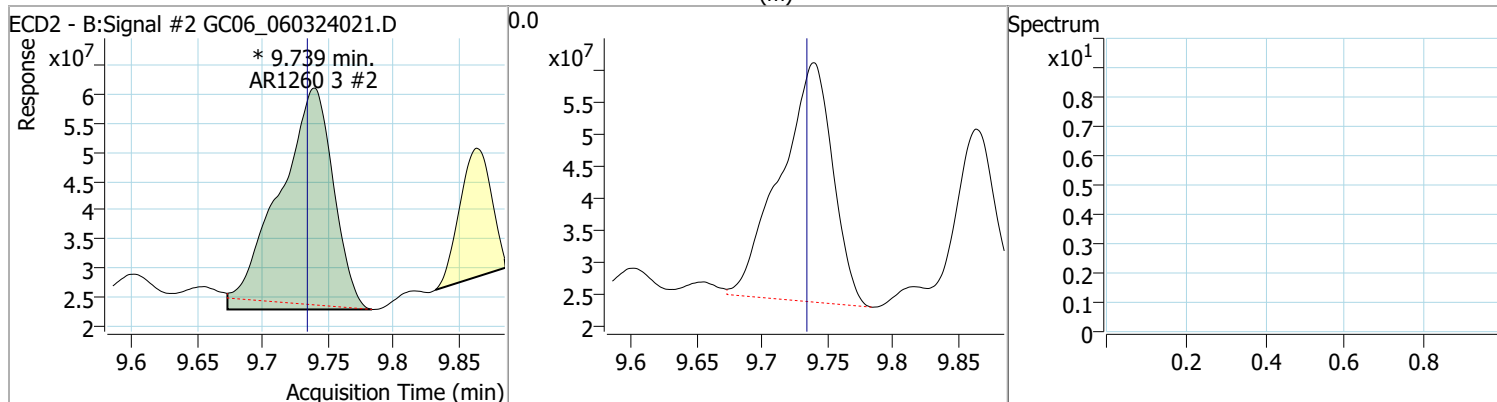
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	477.8563	9.14	0.00	13322772				



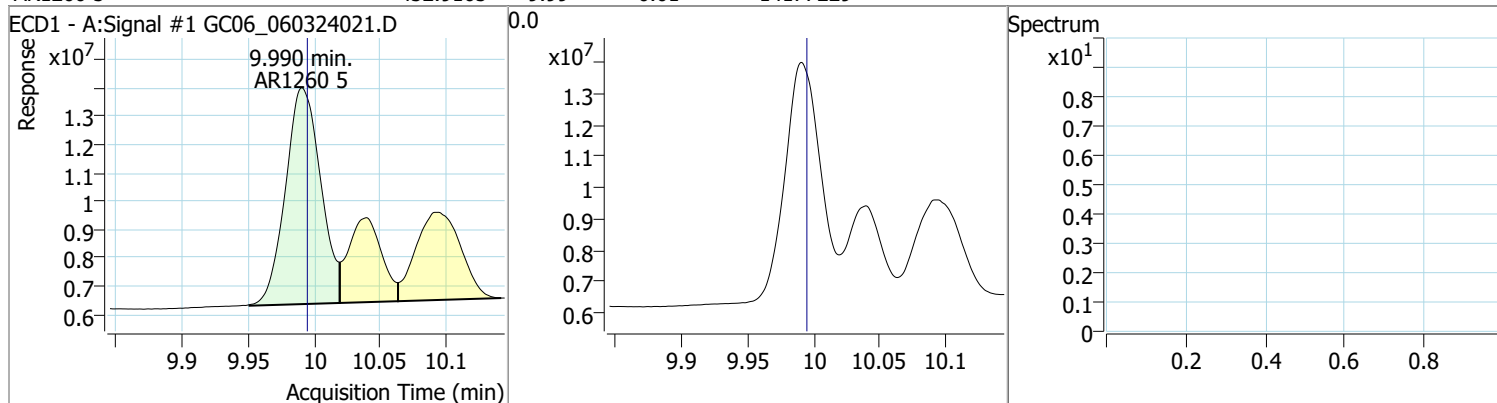
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	411.0872	9.20	0.00	86747328				



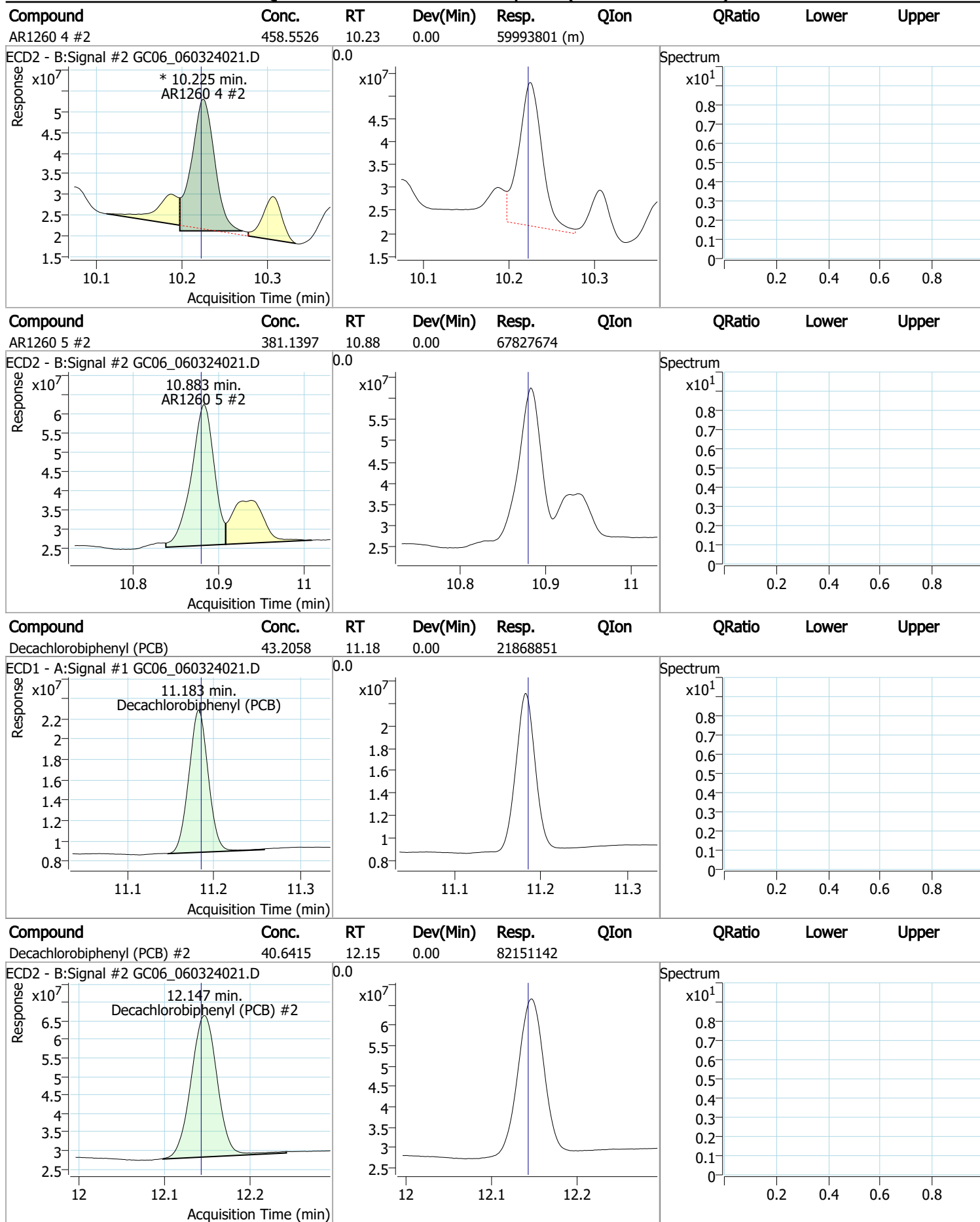
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	428.6625	9.74	0.00	110459229 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	452.9165	9.99	-0.01	14177229				



Quantitation Results Report (Not Reviewed)



Initial Calibration Raw Data

Instrument: SVOA-GC06
 Calibration #: 454215118005
 Units: ug/L

Name: PCB_ICAL_052824
 Date: 28-MAY-2024 19:56
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_052824030	454215118030		28-MAY-2024 20:16	S20227
L2	gc06_052824031	454215118031		28-MAY-2024 20:35	S20228
L3	gc06_052824032	454215118032		28-MAY-2024 20:53	S20229
L4	gc06_052824033	454215118033		28-MAY-2024 21:12	S20230
L5	gc06_052824034	454215118034		28-MAY-2024 21:30	S20231
L6	gc06_052824035	454215118035		28-MAY-2024 21:49	S20232
L7	gc06_052824036	454215118036		28-MAY-2024 22:09	S20233
L8	gc06_052824037	454215118037		28-MAY-2024 22:28	S20234
L9	gc06_052824038	454215118038		28-MAY-2024 22:46	S20235

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		50.9432		0.0196	11	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		26.0844		0.0383	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.3295		0.0492	15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		31.8060		0.0314	12	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		33.4482		0.0299	14	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		15.9270		0.0628	16	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.0949		0.0991	15	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		8.82715		0.1133	11	7	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		16.8298		0.0594	9	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		14.9901		0.0667	12	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.92703		1.0787	15	9	.99	20	
TCMX (PCB)	A	AVRG		1.08180		0.9244	11	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.6773		0.0201	17	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		23.6793		0.0422	20	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.2682		0.0547	17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		24.8379		0.0403	19	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		29.3396		0.0341	19	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.0707		0.0664	17	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.2620		0.0754	17	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.8604		0.0921	18	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		21.3902		0.0468	14	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		15.7257		0.0636	20	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		1.38448		0.7223	17	9	.99	20	
TCMX (PCB)	B	AVRG		1.13447		0.8815	15	9	.99	20	

Instrument: SVOA-GC06
 Calibration #: 454215118005
 Units: ug/L

Name: PCB_ICAL_052824
 Date: 28-MAY-2024 19:56
 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	0.0210	0.0228	0.0222	0.0204	0.0196	0.0186	0.0178	0.0173	0.0170
Aroclor-1016 Peak # 2	A	0.0463	0.0463	0.0423	0.0392	0.0372	0.0353	0.0338	0.0326	0.0320
Aroclor-1016 Peak # 3	A	0.0649	0.0558	0.0536	0.0488	0.0456	0.0444	0.0440	0.0426	0.0430
Aroclor-1016 Peak # 4	A	0.0372	0.0365	0.0349	0.0318	0.0305	0.0293	0.0281	0.0274	0.0272
Aroclor-1016 Peak # 5	A	0.0356	0.0360	0.0327	0.0305	0.0288	0.0277	0.0268	0.0259	0.0253
Aroclor-1260 Peak # 1	A	0.0774	0.0766	0.0701	0.0646	0.0594	0.0570	0.0556	0.0529	0.0515
Aroclor-1260 Peak # 2	A	0.1222	0.1190	0.1105	0.1015	0.0942	0.0905	0.0871	0.0843	0.0824
Aroclor-1260 Peak # 3	A	0.1303	0.1274	0.1190	0.1106	0.1046	0.1022	0.0989		
Aroclor-1260 Peak # 4	A	0.0681	0.0627	0.0647	0.0602	0.0593	0.0575	0.0555	0.0539	0.0528
Aroclor-1260 Peak # 5	A	0.0850	0.0716	0.0696	0.0678	0.0619	0.0628	0.0614	0.0606	0.0599
Decachlorobiphenyl (PCB)	A	1.4580	1.1601	1.1123	1.0544	0.9965	1.0047	0.9956	0.9729	0.9541
TCMX (PCB)	A	1.1183	1.0484	0.9561	0.8975	0.8699	0.8623	0.8397	0.8517	0.8755
Aroclor-1016 Peak # 1	B	0.0250	0.0249	0.0222	0.0208	0.0193	0.0184	0.0177	0.0172	0.0156
Aroclor-1016 Peak # 2	B	0.0578	0.0506	0.0484	0.0437	0.0399	0.0375	0.0359	0.0345	0.0317
Aroclor-1016 Peak # 3	B	0.0693	0.0677	0.0612	0.0564	0.0508	0.0488	0.0478	0.0470	0.0437
Aroclor-1016 Peak # 4	B	0.0507	0.0522	0.0452	0.0406	0.0375	0.0360	0.0346	0.0339	0.0316
Aroclor-1016 Peak # 5	B	0.0473	0.0406	0.0374	0.0344	0.0317	0.0304	0.0296	0.0287	0.0267
Aroclor-1260 Peak # 1	B	0.0854	0.0792	0.0737	0.0681	0.0626	0.0602	0.0585	0.0566	0.0529
Aroclor-1260 Peak # 2	B	0.0913	0.0968	0.0851	0.0760	0.0710	0.0686	0.0662	0.0642	0.0595
Aroclor-1260 Peak # 3	B	0.1228	0.1128	0.1019	0.0930	0.0844	0.0820	0.0802	0.0784	0.0733
Aroclor-1260 Peak # 4	B	0.0559	0.0533	0.0546	0.0480	0.0444	0.0431	0.0422	0.0411	0.0380
Aroclor-1260 Peak # 5	B	0.0873	0.0752	0.0751	0.0623	0.0568	0.0562	0.0548	0.0540	0.0506
Decachlorobiphenyl (PCB)	B	0.9312	0.8602	0.8464	0.7144	0.6617	0.6530	0.6390	0.6195	0.5753
TCMX (PCB)	B	1.1322	1.0404	0.9467	0.8659	0.8228	0.7990	0.7870	0.7801	0.7592

Instrument: SVOA-GC06
 Calibration #: 454215118005
 Units: ug/L

Name: PCB_ICAL_052824
 Date: 28-MAY-2024 19:56
 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	7	50.000	16	100.00	13	250.00	4	500.00	0	750.00	-5	1000.0	-9	1500.0	-12
Aroclor-1016 Peak # 2	A	20.000	21	50.000	21	100.00	10	250.00	2	500.00	-3	750.00	-8	1000.0	-12	1500.0	-15
Aroclor-1016 Peak # 3	A	20.000	32	50.000	13	100.00	9	250.00	-1	500.00	-7	750.00	-10	1000.0	-11	1500.0	-13
Aroclor-1016 Peak # 4	A	20.000	18	50.000	16	100.00	11	250.00	1	500.00	-3	750.00	-7	1000.0	-10	1500.0	-13
Aroclor-1016 Peak # 5	A	20.000	19	50.000	20	100.00	9	250.00	2	500.00	-4	750.00	-7	1000.0	-10	1500.0	-13
Aroclor-1260 Peak # 1	A	20.000	23	50.000	22	100.00	12	250.00	3	500.00	-5	750.00	-9	1000.0	-12	1500.0	-16
Aroclor-1260 Peak # 2	A	20.000	23	50.000	20	100.00	12	250.00	2	500.00	-5	750.00	-9	1000.0	-12	1500.0	-15
Aroclor-1260 Peak # 3	A	20.000	15	50.000	12	100.00	5	250.00	-2	500.00	-8	750.00	-10	1000.0	-13		
Aroclor-1260 Peak # 4	A	20.000	15	50.000	6	100.00	9	250.00	1	500.00	0	750.00	-3	1000.0	-7	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	27	50.000	7	100.00	4	250.00	2	500.00	-7	750.00	-6	1000.0	-8	1500.0	-9
Decachlorobiphenyl (PCB)	A	1.6000	35	4.0000	8	8.0000	3	20.000	-2	40.000	-8	60.000	-7	80.000	-8	120.00	-10
TCMX (PCB)	A	1.6000	21	4.0000	13	8.0000	3	20.000	-3	40.000	-6	60.000	-7	80.000	-9	120.00	-8
Aroclor-1016 Peak # 1	B	20.000	24	50.000	24	100.00	10	250.00	3	500.00	-4	750.00	-9	1000.0	-12	1500.0	-14
Aroclor-1016 Peak # 2	B	20.000	37	50.000	20	100.00	15	250.00	4	500.00	-6	750.00	-11	1000.0	-15	1500.0	-18
Aroclor-1016 Peak # 3	B	20.000	27	50.000	24	100.00	12	250.00	3	500.00	-7	750.00	-11	1000.0	-13	1500.0	-14
Aroclor-1016 Peak # 4	B	20.000	26	50.000	30	100.00	12	250.00	1	500.00	-7	750.00	-11	1000.0	-14	1500.0	-16
Aroclor-1016 Peak # 5	B	20.000	39	50.000	19	100.00	10	250.00	1	500.00	-7	750.00	-11	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 1	B	20.000	29	50.000	19	100.00	11	250.00	3	500.00	-6	750.00	-9	1000.0	-12	1500.0	-15
Aroclor-1260 Peak # 2	B	20.000	21	50.000	28	100.00	13	250.00	1	500.00	-6	750.00	-9	1000.0	-12	1500.0	-15
Aroclor-1260 Peak # 3	B	20.000	33	50.000	22	100.00	11	250.00	1	500.00	-8	750.00	-11	1000.0	-13	1500.0	-15
Aroclor-1260 Peak # 4	B	20.000	20	50.000	14	100.00	17	250.00	3	500.00	-5	750.00	-8	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 5	B	20.000	37	50.000	18	100.00	18	250.00	-2	500.00	-11	750.00	-12	1000.0	-14	1500.0	-15
Decachlorobiphenyl (PCB)	B	1.6000	29	4.0000	19	8.0000	17	20.000	-1	40.000	-8	60.000	-10	80.000	-12	120.00	-14
TCMX (PCB)	B	1.6000	28	4.0000	18	8.0000	7	20.000	-2	40.000	-7	60.000	-9	80.000	-11	120.00	-12

Instrument: SVOA-GC06
 Calibration #: 454215118005
 Units: ug/L

Name: PCB_ICAL_052824
 Date: 28-MAY-2024 19:56
 X Axis: R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-13
Aroclor-1016 Peak # 2	A	2000.0	-17
Aroclor-1016 Peak # 3	A	2000.0	-13
Aroclor-1016 Peak # 4	A	2000.0	-14
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-17
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A	2000.0	-11
Aroclor-1260 Peak # 5	A	2000.0	-10
Decachlorobiphenyl (PCB)	A	160.00	-12
TCMX (PCB)	A	160.00	-5
Aroclor-1016 Peak # 1	B	2000.0	-22
Aroclor-1016 Peak # 2	B	2000.0	-25
Aroclor-1016 Peak # 3	B	2000.0	-20
Aroclor-1016 Peak # 4	B	2000.0	-22
Aroclor-1016 Peak # 5	B	2000.0	-22
Aroclor-1260 Peak # 1	B	2000.0	-20
Aroclor-1260 Peak # 2	B	2000.0	-21
Aroclor-1260 Peak # 3	B	2000.0	-20
Aroclor-1260 Peak # 4	B	2000.0	-19
Aroclor-1260 Peak # 5	B	2000.0	-20
Decachlorobiphenyl (PCB)	B	160.00	-20
TCMX (PCB)	B	160.00	-14

MES 05/31/24 : Corrected automatically drawn baseline for all channels in all levels.

Analyst: MES 05/31/24

Reviewer: LW 05/31/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 509117 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	Name: PCB_ICAL_052824
Calnum: 454215118005	Cal Date: 28-MAY-2024

• ICV 454215118044 (gc06_052924005 29-MAY-2024) stds: S20827

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	530.0	ug/L	6	15	
Aroclor-1260	A	500.0	539.9	ug/L	8	15	
Aroclor-1016	B	500.0	493.8	ug/L	-1	15	
Aroclor-1260	B	500.0	484.8	ug/L	-3	15	

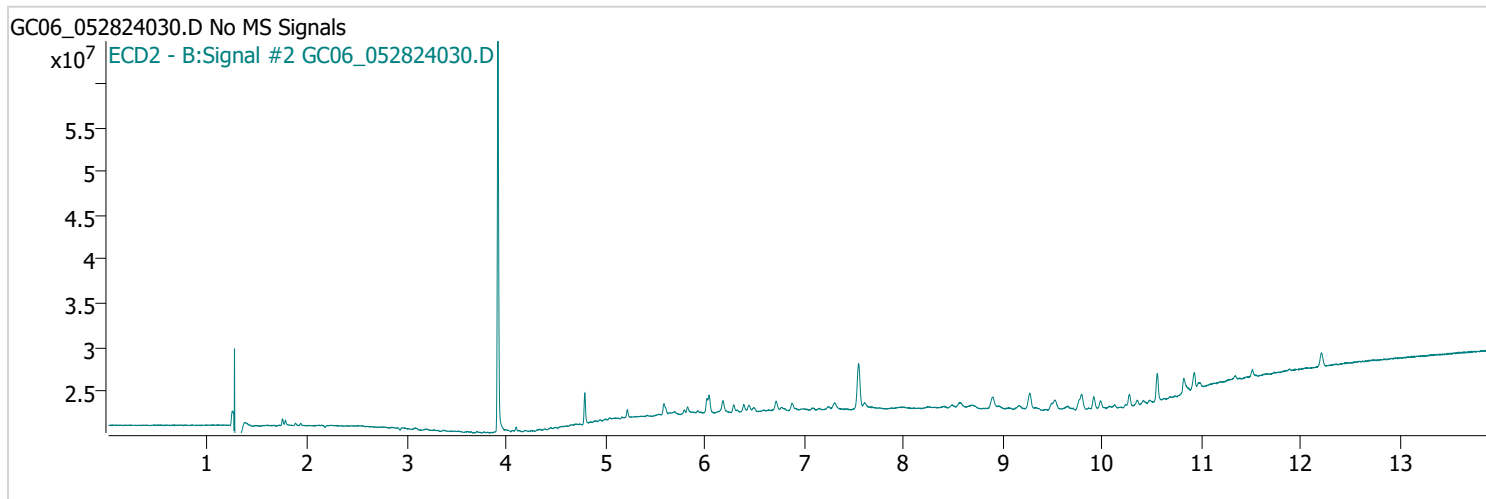
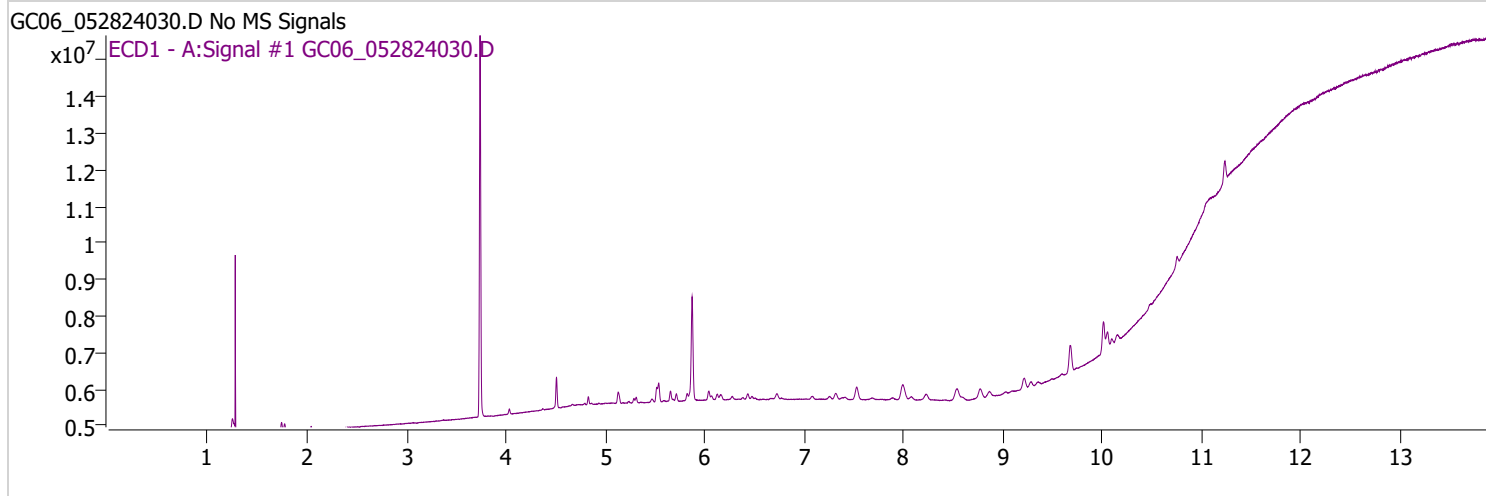
•

Analyst: MES 05/30/24 *

Reviewer: LW 05/31/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_052824030.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	5/28/2024 8:16:35 PM
Sample Name	ICAL, S20227	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_01.m	Comment	20 ppb PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	052824-PCB-ICAL.batch.bin	Last Calib Update	5/29/2024 8:08:32 AM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.740	0.0	9649647.920	20.0000	ng/ml	0.002
M 1-bromo-2-nitrobenzene (PCB) #2	3.920	0.0	42883446.885	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.509	0.0	863329.494	1.9357	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 9.68%		*	
S TCMX (PCB) #2	4.794	0.0	3884191.200	2.0551	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 10.28%		*	
S Decachlorobiphenyl (PCB)	11.238	0.0	1125505.792	2.1625	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 10.81%		*	
S Decachlorobiphenyl (PCB) #2	12.209	0.0	3194575.608	2.0627	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 10.31%		*	
Target Compounds						QValue
T AR1016 1	4.829	0.0	202601.306	21.3918	ng/ml	100
GC06_052824030.D						

Page 1 of 8

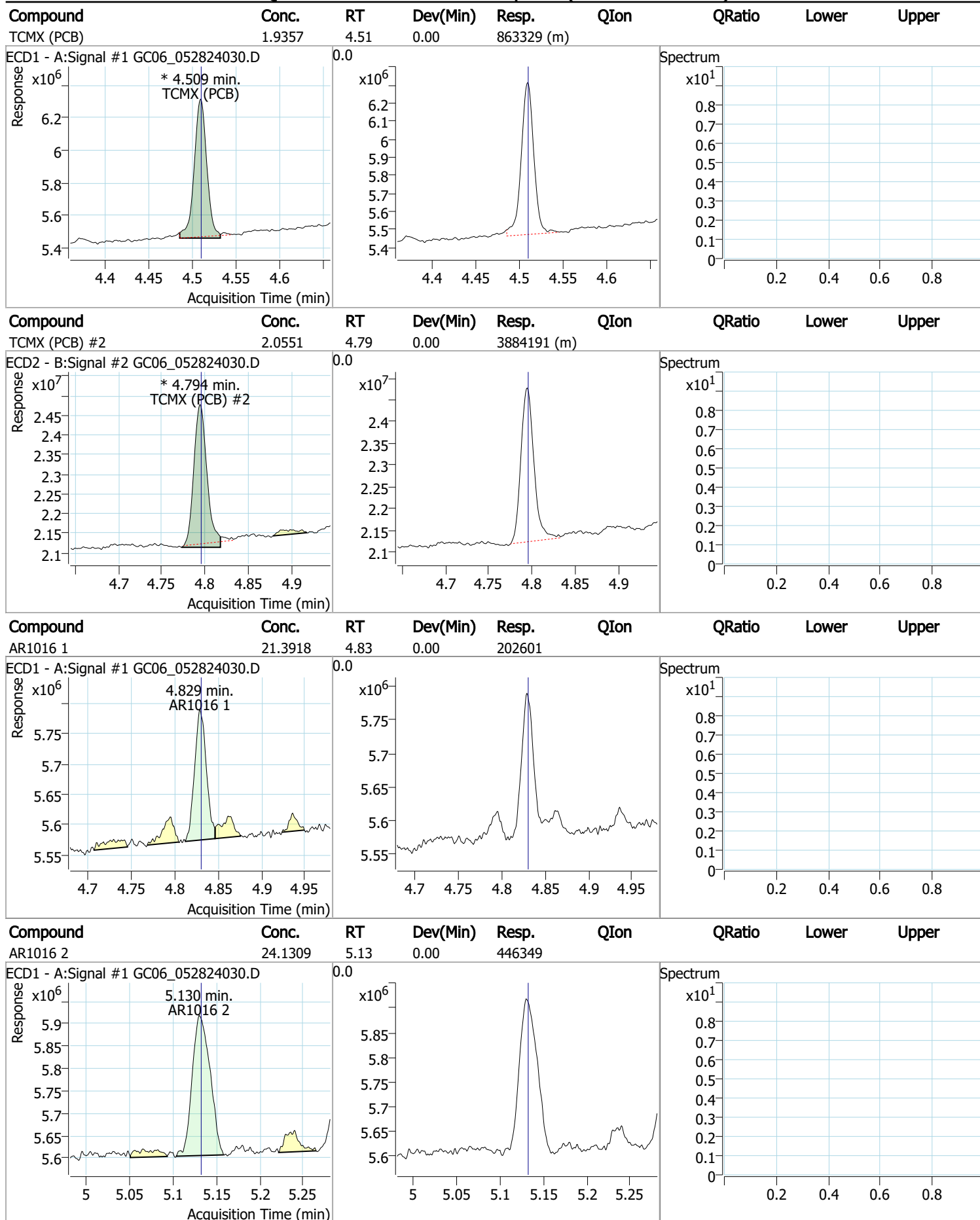
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Quantitation Results Report (Not Reviewed)

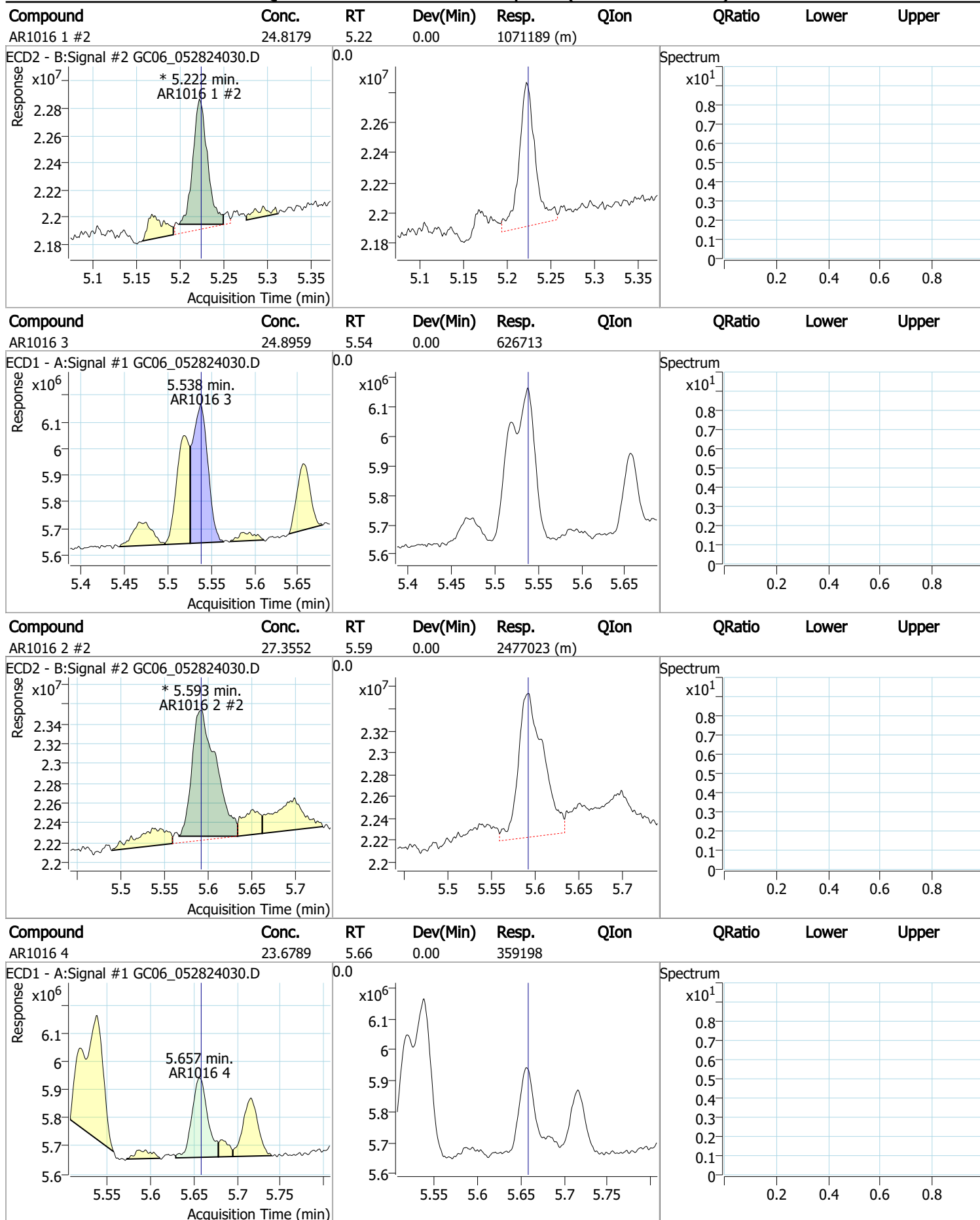
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.130	0.0	446348.605	24.1309	ng/ml	100
T AR1016 1 #2	5.222	0.0	1071189.40 0	24.8179	ng/ml m	100
T AR1016 3	5.538	0.0	626713.034	24.8959	ng/ml	100
T AR1016 2 #2	5.593	0.0	2477023.45 3	27.3552	ng/ml m	100
T AR1016 4	5.657	0.0	359198.470	23.6789	ng/ml	100
T AR1016 5	6.043	0.0	343331.544	23.8015	ng/ml	100
T AR1016 3 #2	6.046	0.0	2973818.00 9	25.3368	ng/ml	100
T AR1016 4 #2	6.185	0.0	2172540.85 0	25.1665	ng/ml m	100
T AR1016 5 #2	6.720	0.0	2030407.43 2	27.7829	ng/ml m	100
T AR1260 1	7.531	0.0	747009.237	24.6591	ng/ml	100
T AR1260 2	7.995	0.0	1179049.28 6	24.6689	ng/ml	100
T AR1260 3	8.541	0.0	1257141.43 7	22.9997	ng/ml m	100
T AR1260 1 #2	8.901	0.0	3661822.17 6	25.7378	ng/ml	100
T AR1260 4	9.218	0.0	657309.311	22.9281	ng/ml	100
T AR1260 2 #2	9.273	0.0	3915475.77 3	24.2178	ng/ml m	100
T AR1260 3 #2	9.794	0.0	5266536.70 0	26.6754	ng/ml m	100
T AR1260 5	10.055	0.0	819942.655	25.4745	ng/ml	100
T AR1260 4 #2	10.276	0.0	2397614.92 1	23.9185	ng/ml m	100
T AR1260 5 #2	10.929	0.0	3743765.92 2	27.4573	ng/ml	100

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

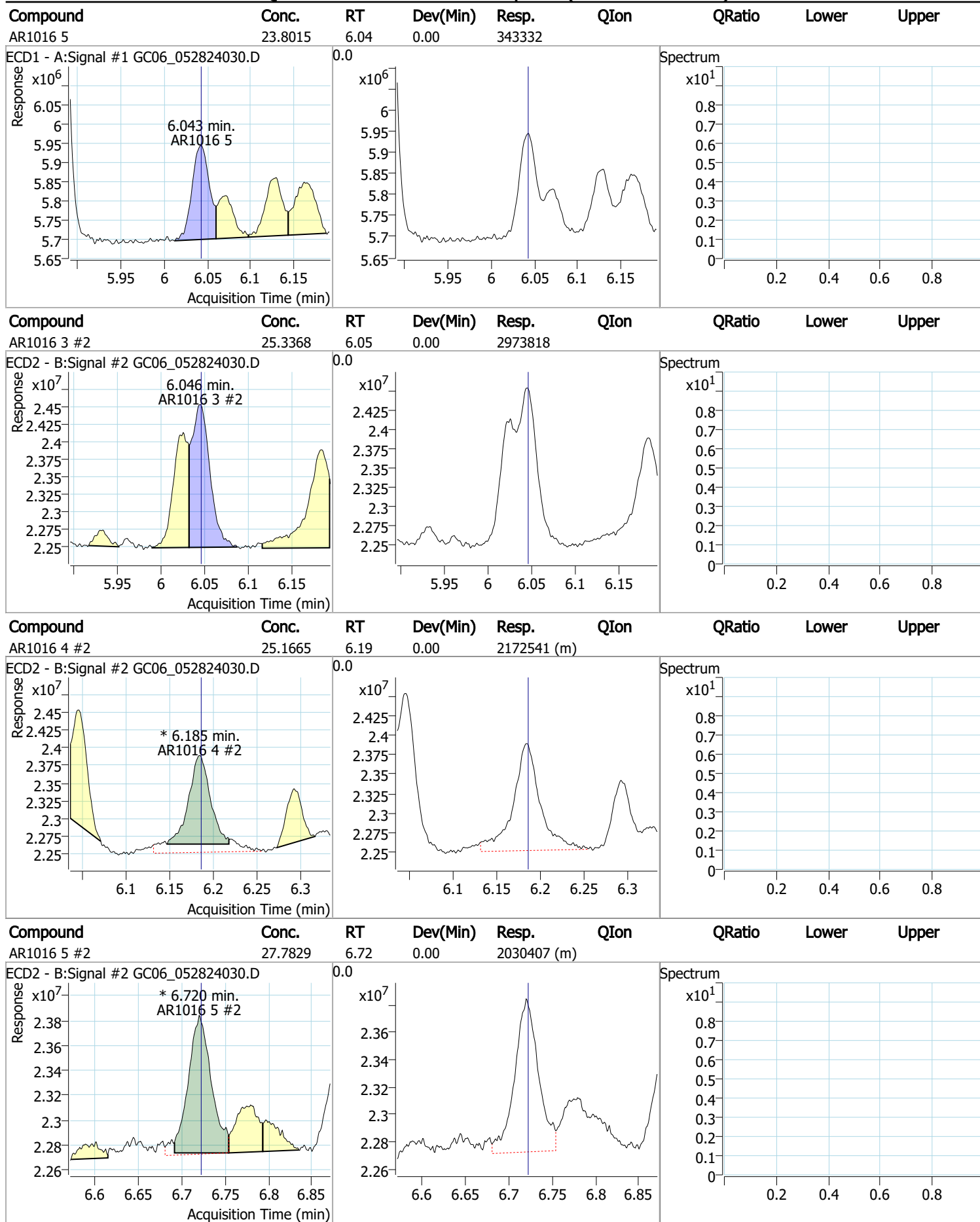
Quantitation Results Report (Not Reviewed)



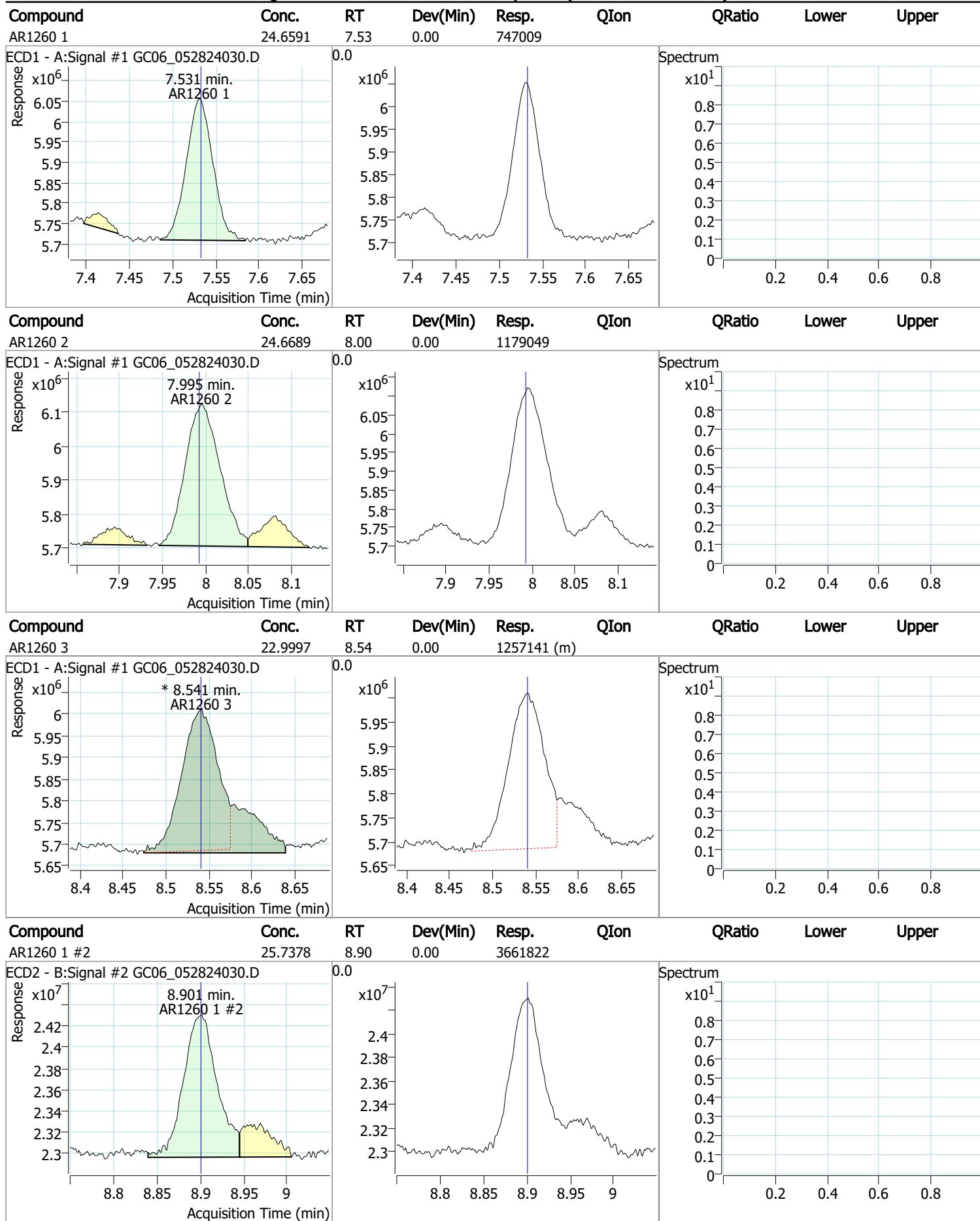
Quantitation Results Report (Not Reviewed)



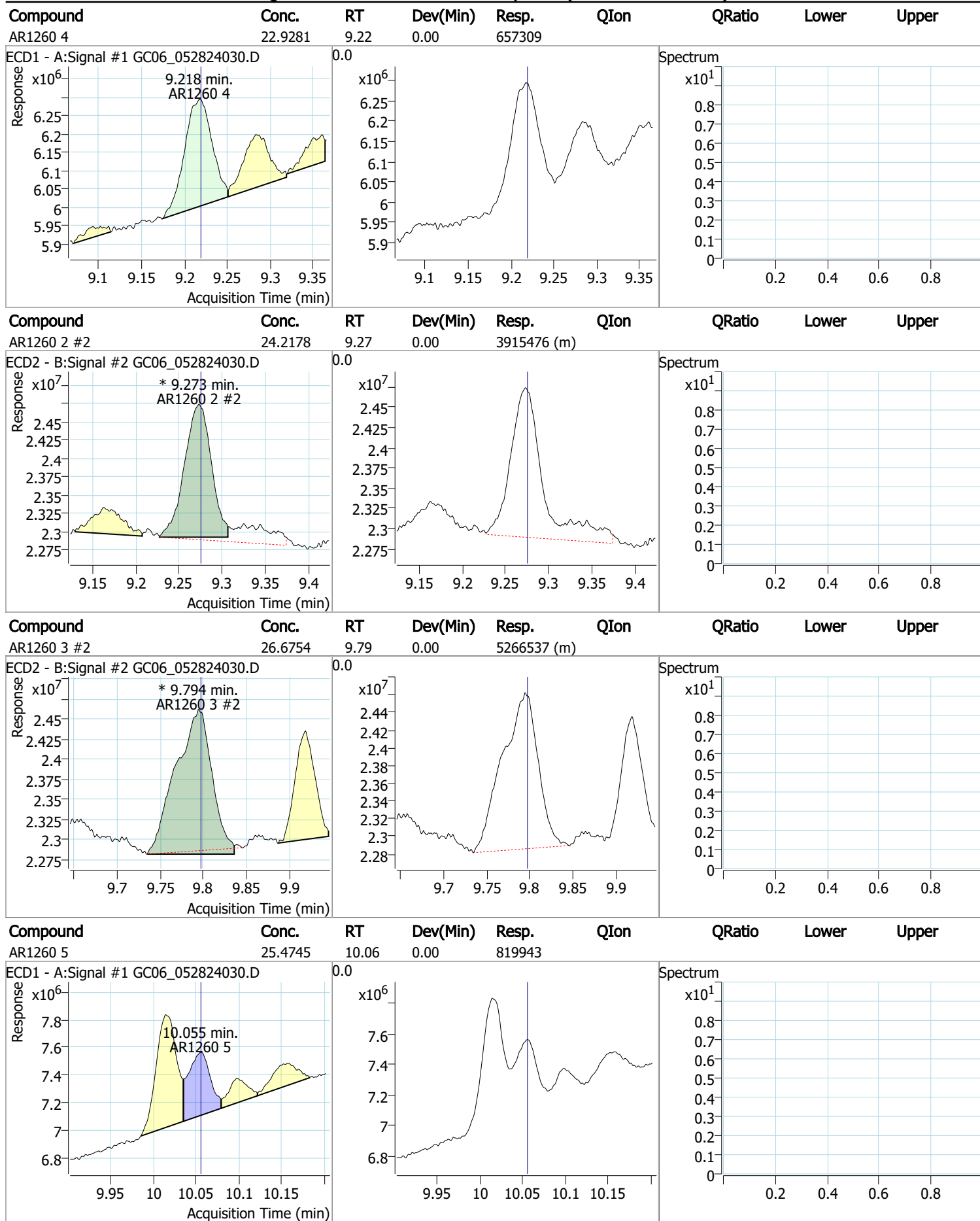
Quantitation Results Report (Not Reviewed)



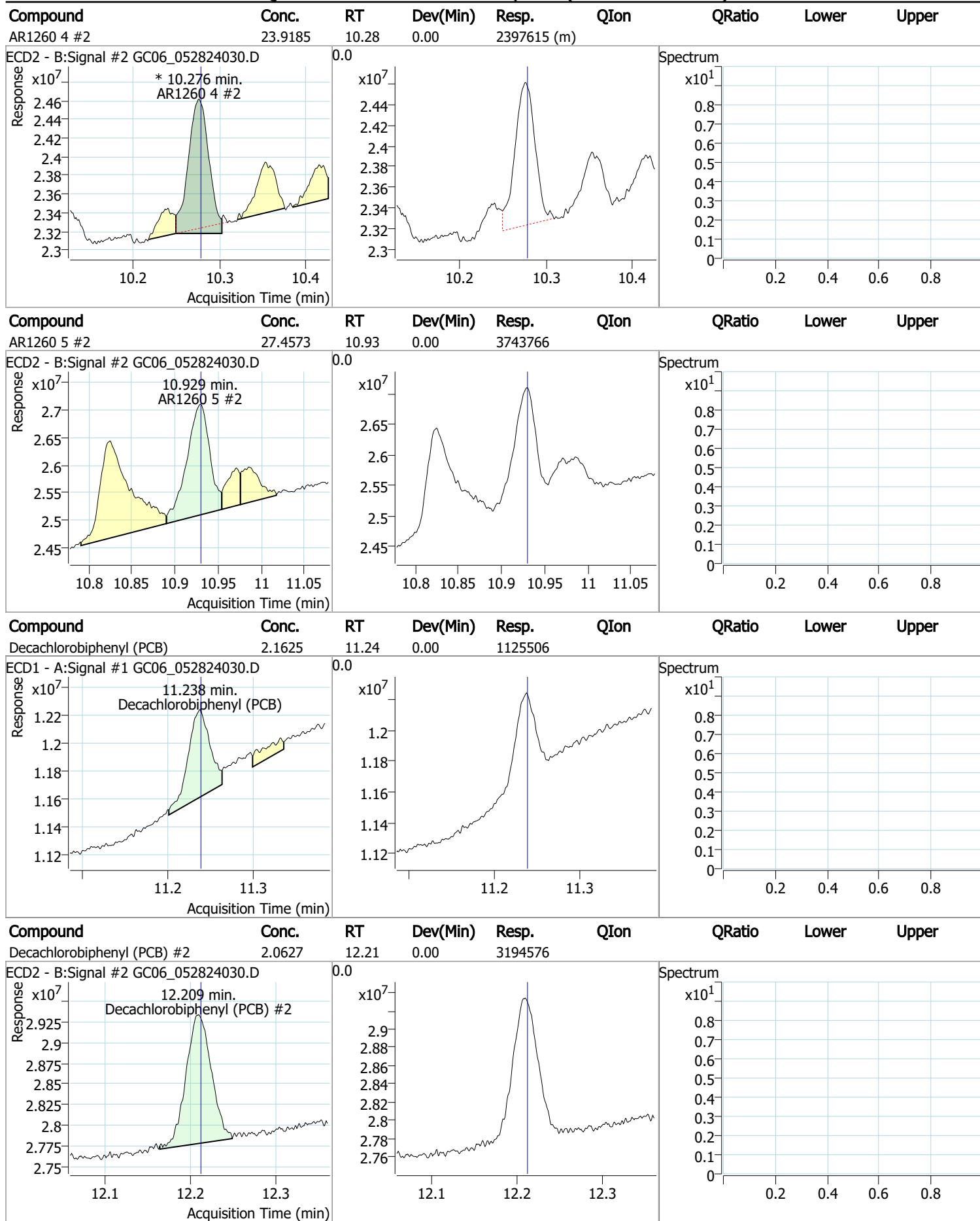
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

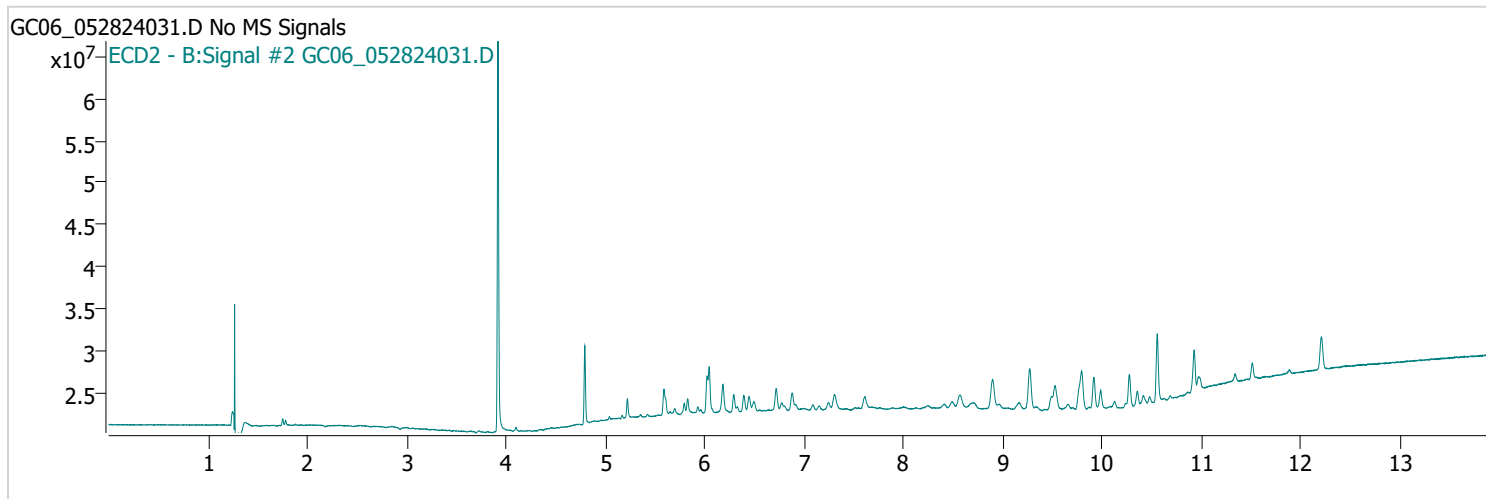
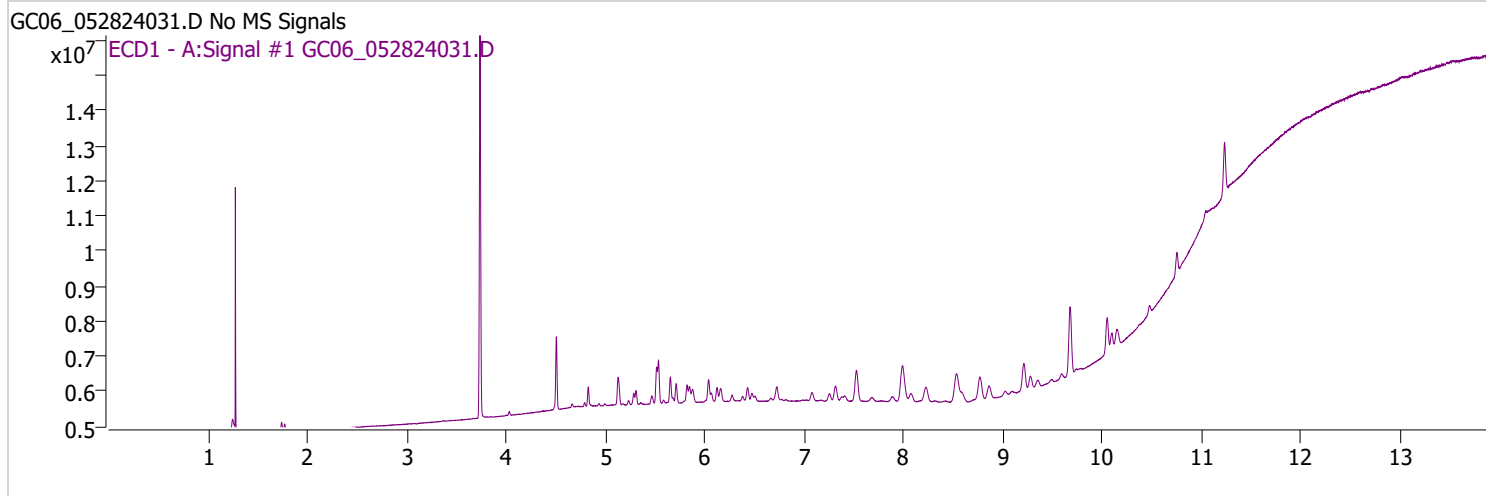


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC06_052824031.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	5/28/2024 8:35:10 PM
Sample Name	ICAL, S20228	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_01.m	Comment	50 ppb PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	052824-PCB-ICAL.batch.bin	Last Calib Update	5/29/2024 8:08:32 AM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.738	0.0	10028486.1 99	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.920	0.0	45338330.1 57	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.508	0.0	2102710.80 6	4.5365	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.68%	*	
S TCMX (PCB) #2	4.793	0.0	9434141.95 6	4.7213	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.61%	*	
S Decachlorobiphenyl (PCB)	11.233	0.0	2326784.13 7	4.3017	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.51%	*	
S Decachlorobiphenyl (PCB) #2	12.208	0.0	7799850.86 5	4.7636	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.82%	*	

Target Compounds

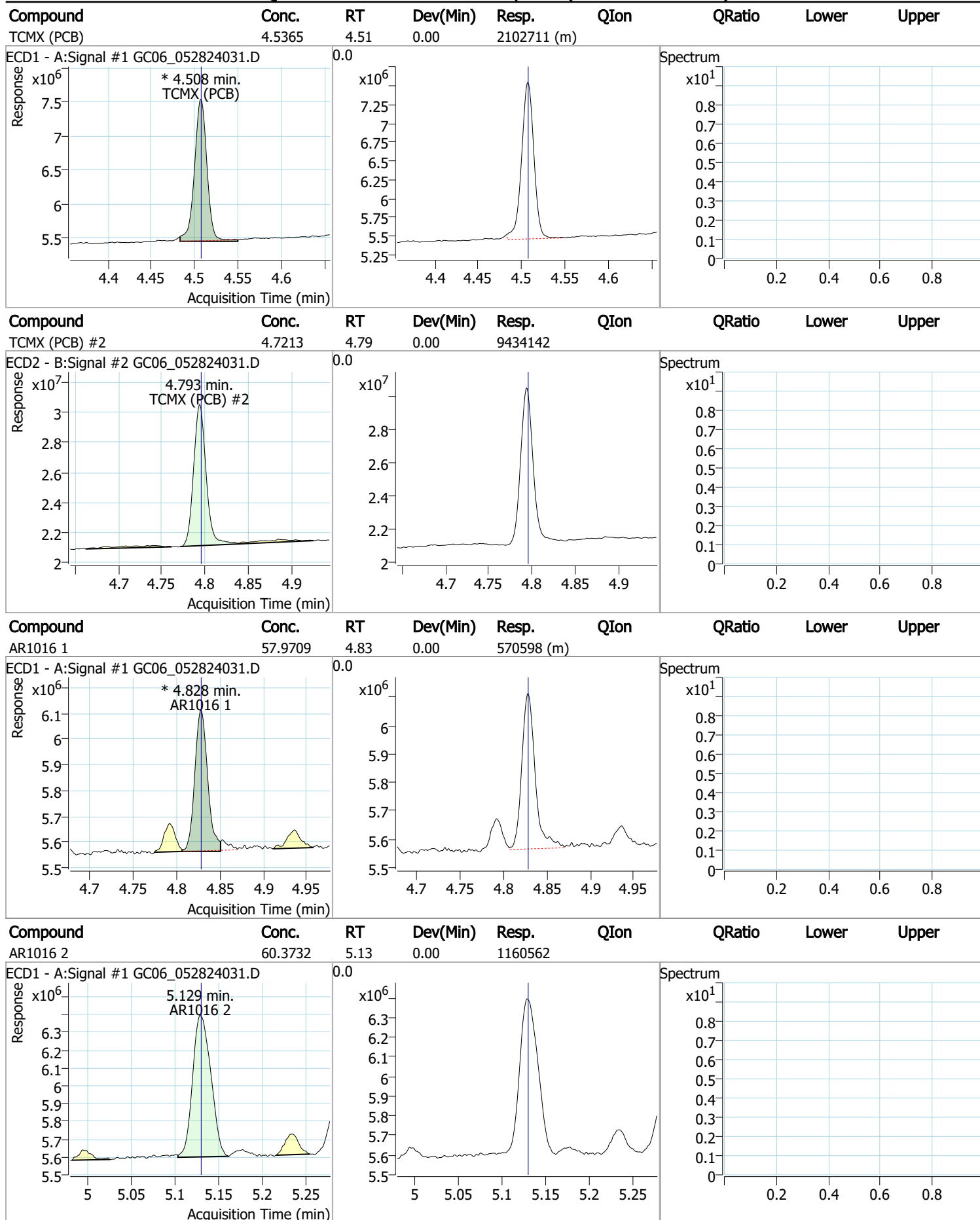
QValue

Quantitation Results Report (Not Reviewed)

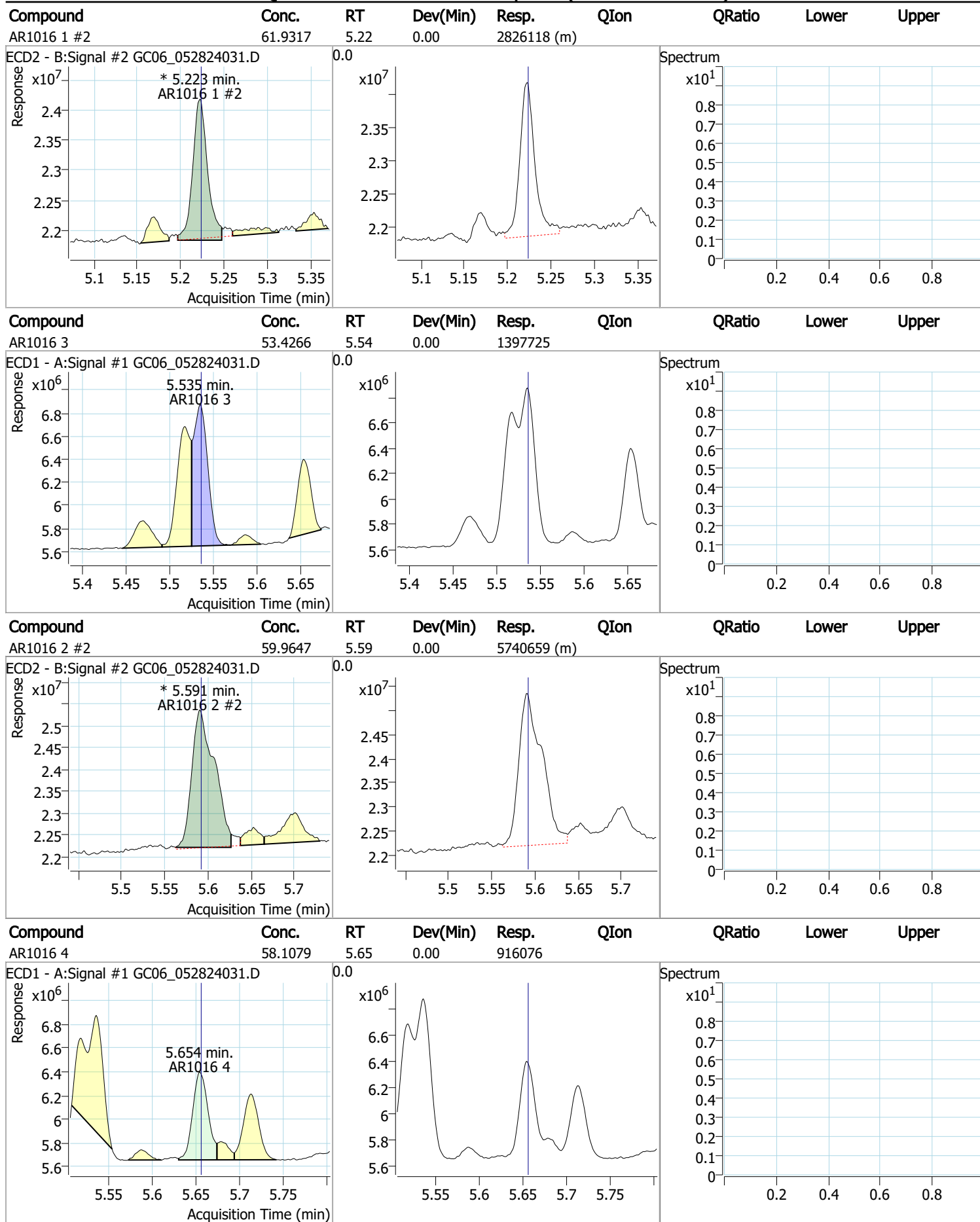
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.828	0.0	570597.529	57.9709	ng/ml	m 100
T AR1016 2	5.129	0.0	1160562.44 4	60.3732	ng/ml	100
T AR1016 1 #2	5.223	0.0	2826118.34 3	61.9317	ng/ml	m 100
T AR1016 3	5.535	0.0	1397725.15 6	53.4266	ng/ml	100
T AR1016 2 #2	5.591	0.0	5740658.60 0	59.9647	ng/ml	m 100
T AR1016 4	5.654	0.0	916076.251	58.1079	ng/ml	100
T AR1016 5	6.040	0.0	901633.902	60.1447	ng/ml	m 100
T AR1016 3 #2	6.045	0.0	7669628.57 3	61.8067	ng/ml	100
T AR1016 4 #2	6.185	0.0	5921352.25 8	64.8784	ng/ml	m 100
T AR1016 5 #2	6.720	0.0	4600451.92 0	59.5413	ng/ml	100
T AR1260 1	7.528	0.0	1919780.36 0	60.9788	ng/ml	100
T AR1260 2	7.993	0.0	2982630.75 8	60.0474	ng/ml	100
T AR1260 3	8.534	0.0	3194840.75 4	56.2424	ng/ml	m 100
T AR1260 1 #2	8.899	0.0	8977637.07 1	59.6844	ng/ml	100
T AR1260 4	9.213	0.0	1572379.57 3	52.7754	ng/ml	100
T AR1260 2 #2	9.273	0.0	10972579.3 56	64.1923	ng/ml	m 100
T AR1260 3 #2	9.794	0.0	12784643.3 18	61.2489	ng/ml	m 100
T AR1260 5	10.052	0.0	1794768.57 0	53.6545	ng/ml	100
T AR1260 4 #2	10.275	0.0	6042108.42 9	57.0121	ng/ml	m 100
T AR1260 5 #2	10.927	0.0	8529055.54 0	59.1663	ng/ml	100

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

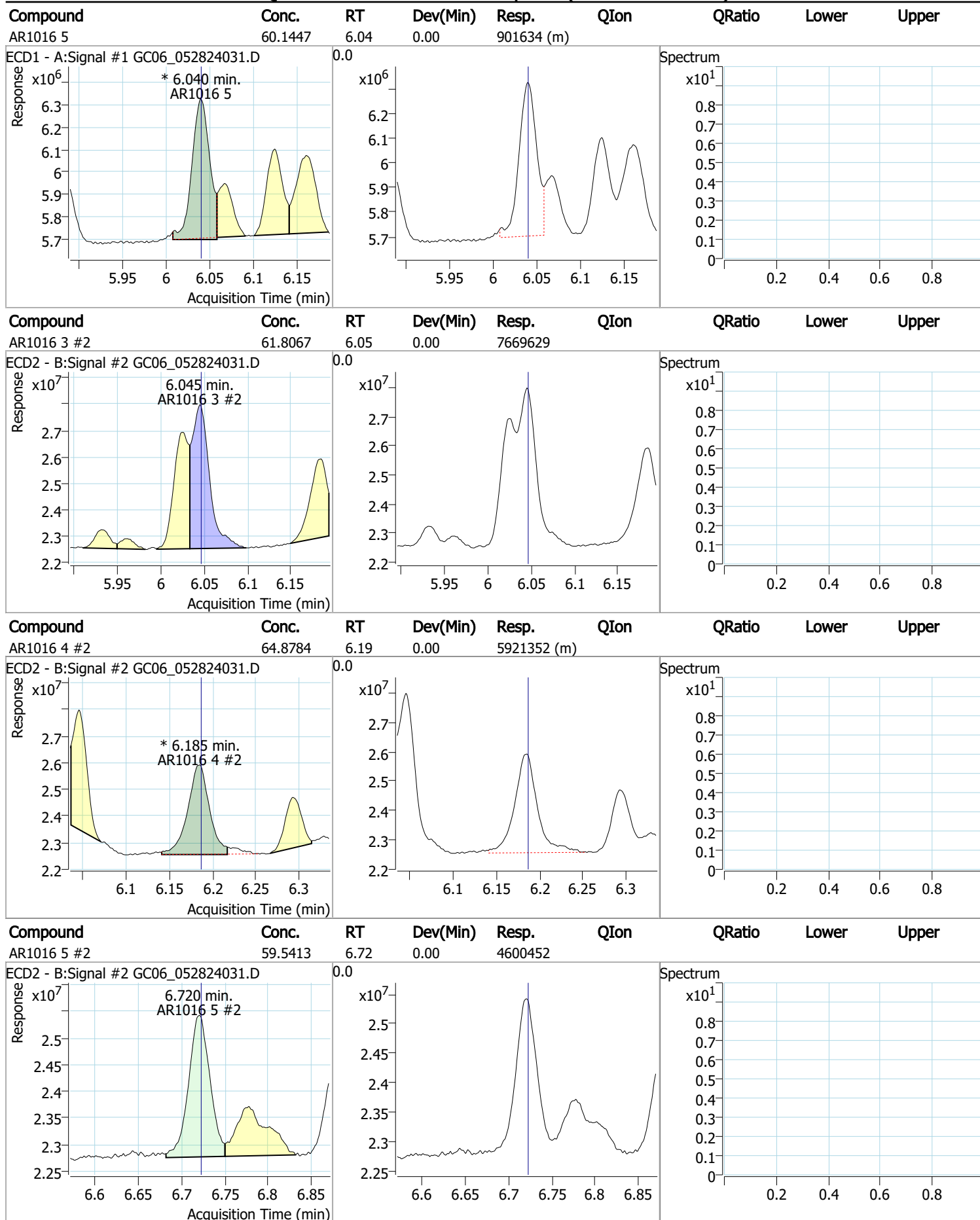
Quantitation Results Report (Not Reviewed)



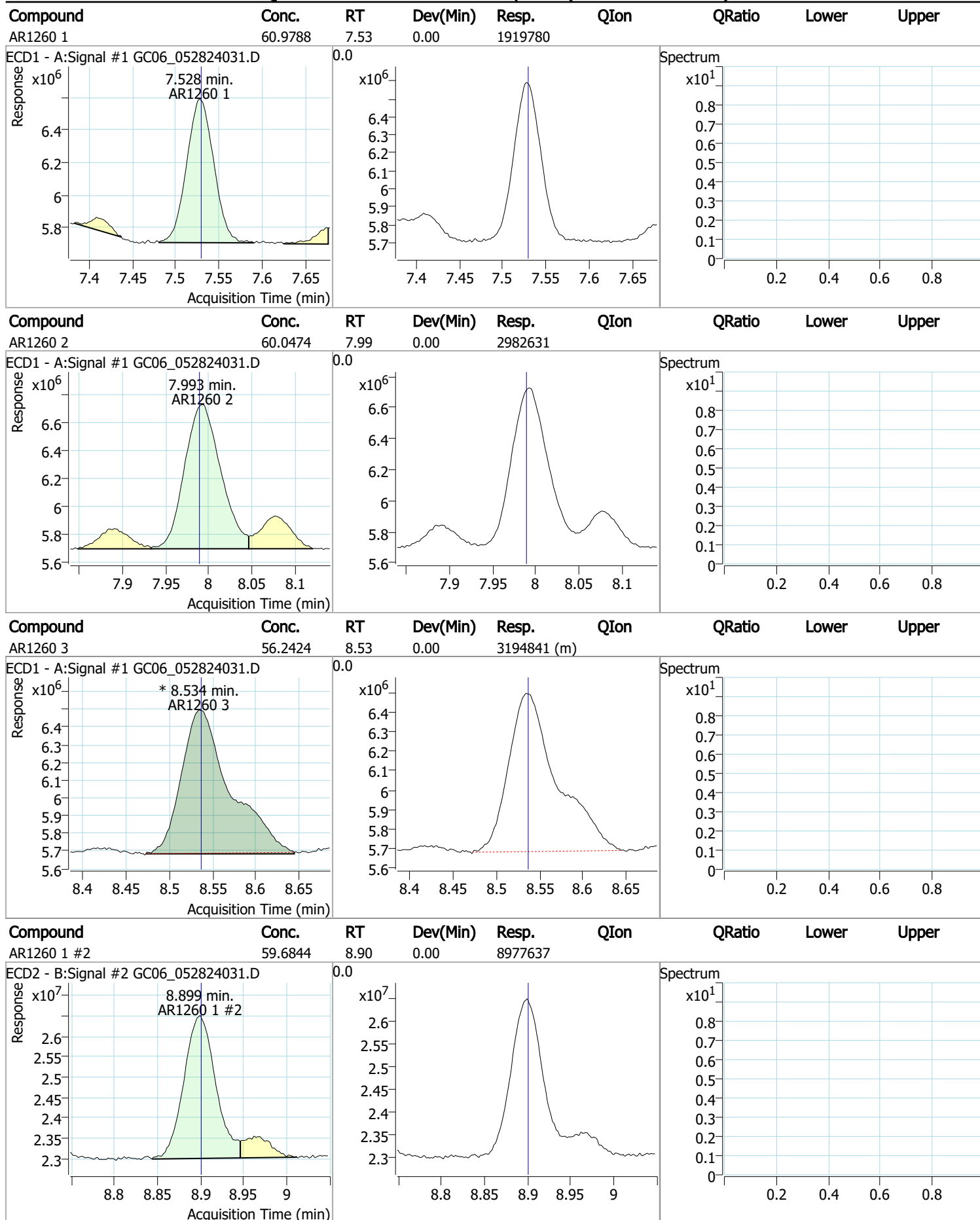
Quantitation Results Report (Not Reviewed)



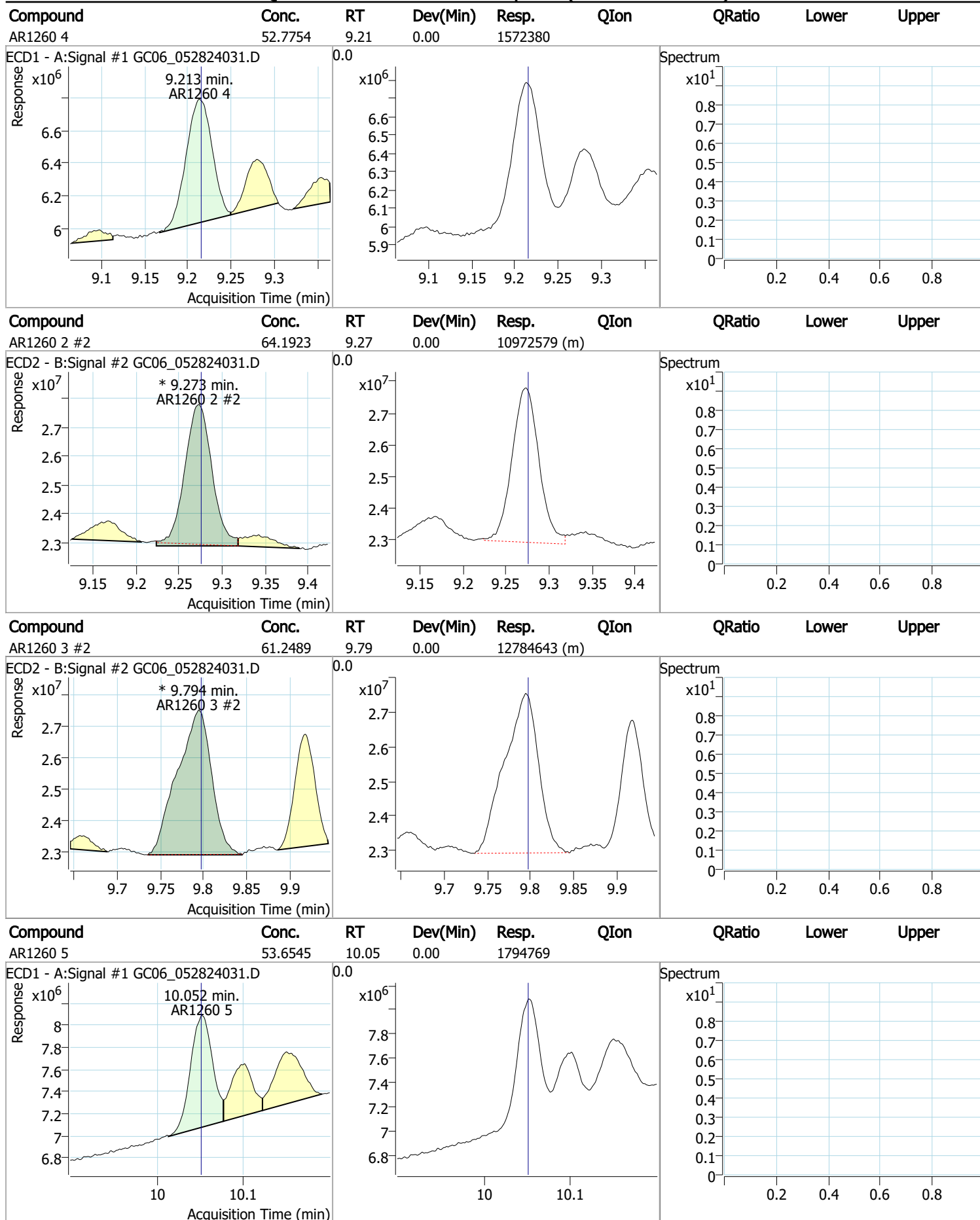
Quantitation Results Report (Not Reviewed)



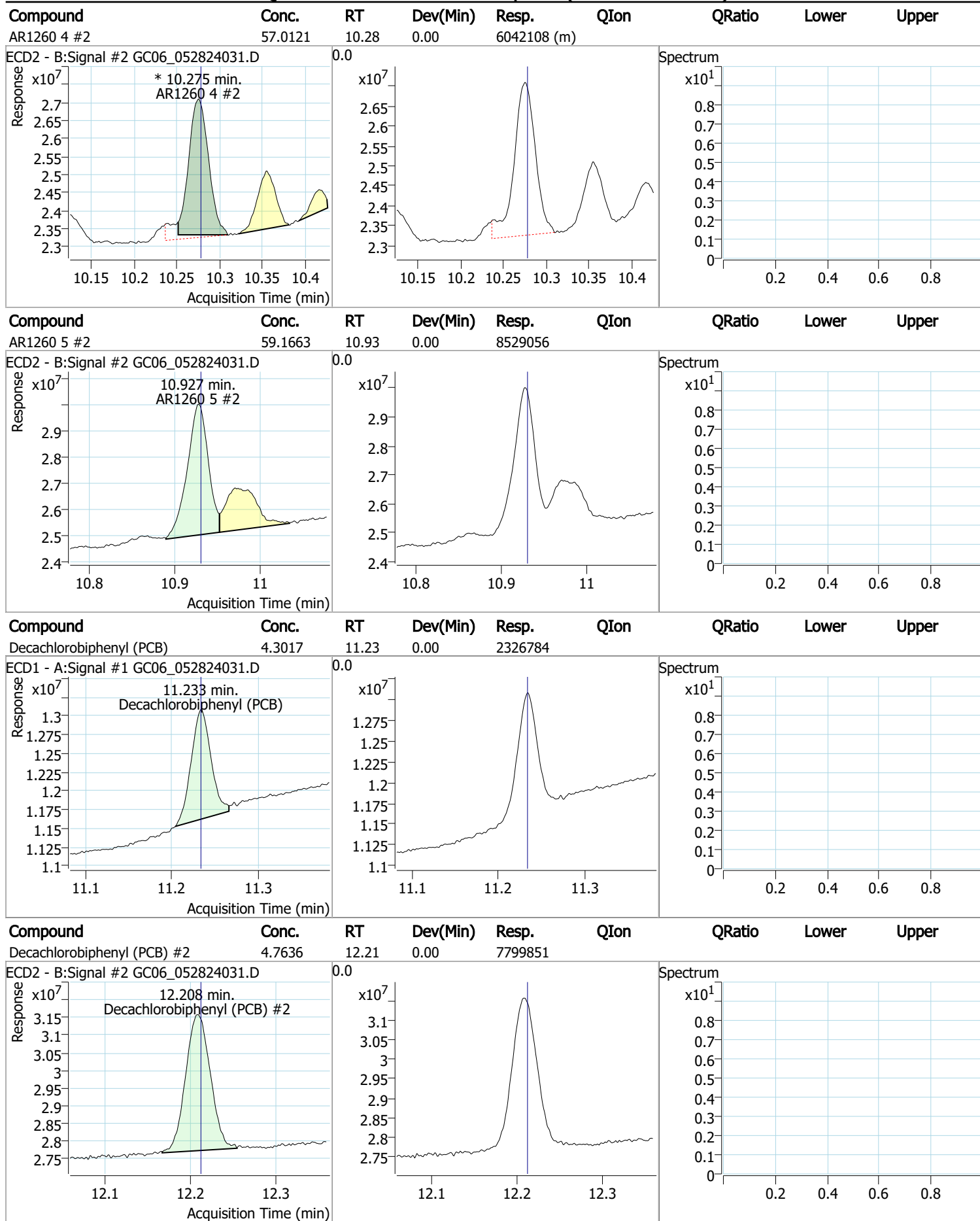
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

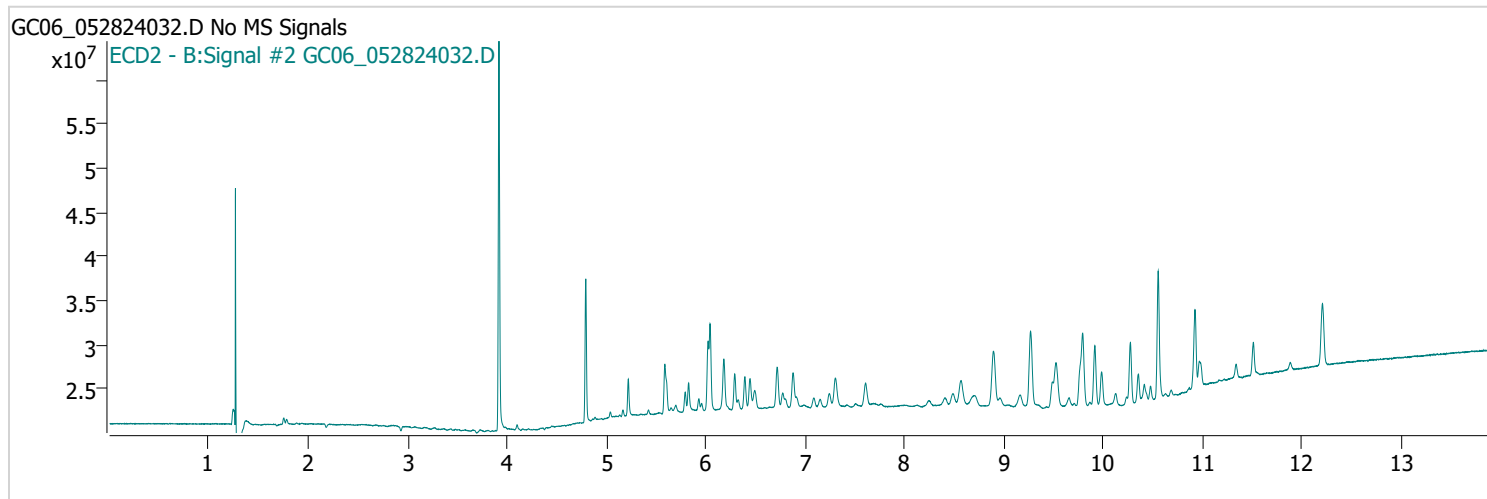
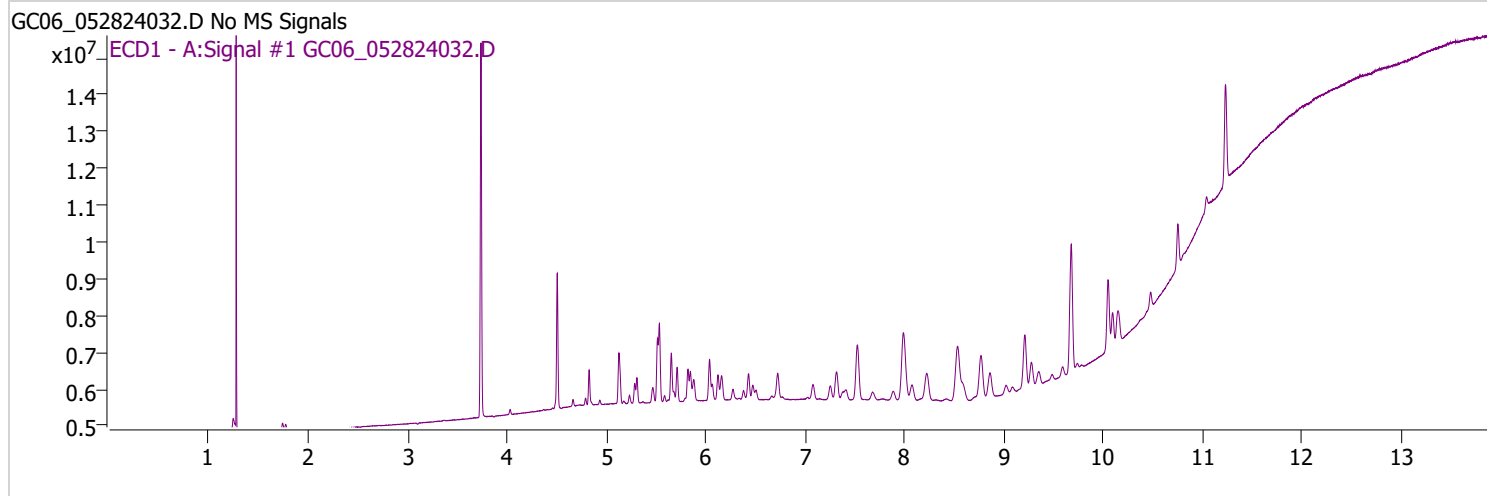


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC06_052824032.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	5/28/2024 8:53:37 PM
Sample Name	ICAL, S20229	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_01.m	Comment	100 ppb PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	052824-PCB-ICAL.batch.bin	Last Calib Update	5/29/2024 8:08:32 AM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.738	0.0	9492723.387	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.920	0.0	43038651.441	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.507	0.0	3630374.765	8.2744	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 41.37%	*	
S TCMX (PCB) #2	4.793	0.0	16298389.807	8.5923	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.96%	*	
S Decachlorobiphenyl (PCB)	11.233	0.0	4223344.096	8.2488	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 41.24%	*	
S Decachlorobiphenyl (PCB) #2	12.208	0.0	14570360.854	9.3741	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 46.87%	*	

Target Compounds

QValue

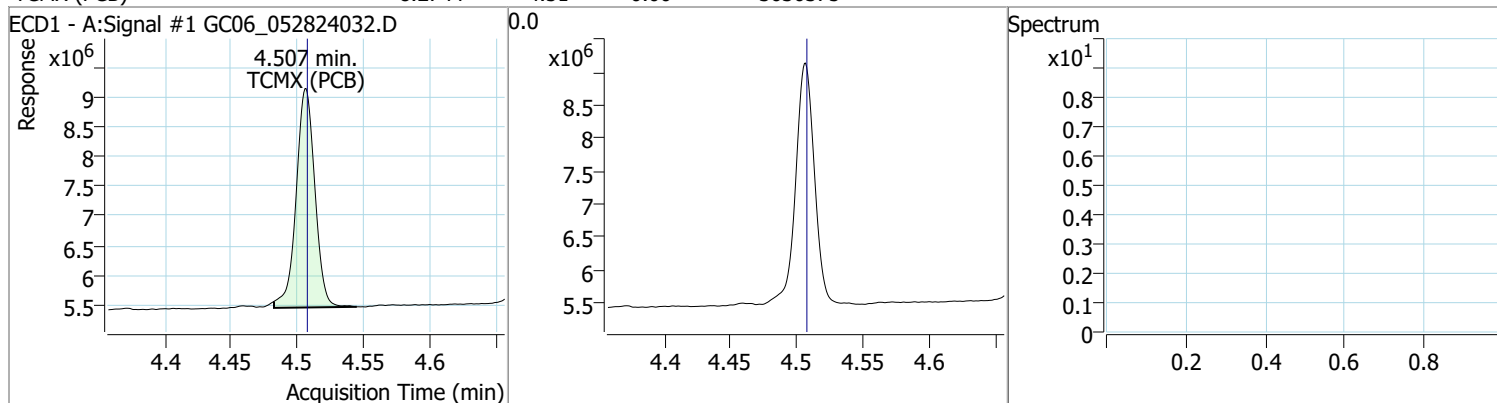
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.828	0.0	1053039.00 3	113.0237	ng/ml m	100
T AR1016 2	5.128	0.0	2008797.82 9	110.3967	ng/ml	100
T AR1016 1 #2	5.222	0.0	4777294.89 3	110.2837	ng/ml m	100
T AR1016 3	5.534	0.0	2544891.84 5	102.7660	ng/ml	100
T AR1016 2 #2	5.590	0.0	10420553.8 43	114.6652	ng/ml m	100
T AR1016 4	5.654	0.0	1654776.12 6	110.8887	ng/ml	100
T AR1016 5	6.039	0.0	1551702.39 2	109.3503	ng/ml	100
T AR1016 3 #2	6.044	0.0	13162385.2 99	111.7384	ng/ml	100
T AR1016 4 #2	6.183	0.0	9730044.51 9	112.3056	ng/ml	100
T AR1016 5 #2	6.719	0.0	8045303.66 8	109.6901	ng/ml	100
T AR1260 1	7.528	0.0	3327859.05 8	111.6701	ng/ml	100
T AR1260 2	7.990	0.0	5242551.62 2	111.5018	ng/ml	100
T AR1260 3	8.536	0.0	5646881.41 0	105.0191	ng/ml m	100
T AR1260 1 #2	8.897	0.0	15859112.0 21	111.0668	ng/ml	100
T AR1260 4	9.212	0.0	3070541.74 6	108.8763	ng/ml	100
T AR1260 2 #2	9.271	0.0	18304988.5 76	112.8107	ng/ml m	100
T AR1260 3 #2	9.795	0.0	21919186.4 50	110.6218	ng/ml	100
T AR1260 5	10.050	0.0	3301707.20 4	104.2752	ng/ml	100
T AR1260 4 #2	10.275	0.0	11759948.5 90	116.8937	ng/ml m	100
T AR1260 5 #2	10.925	0.0	16151045.2 87	118.0269	ng/ml m	100

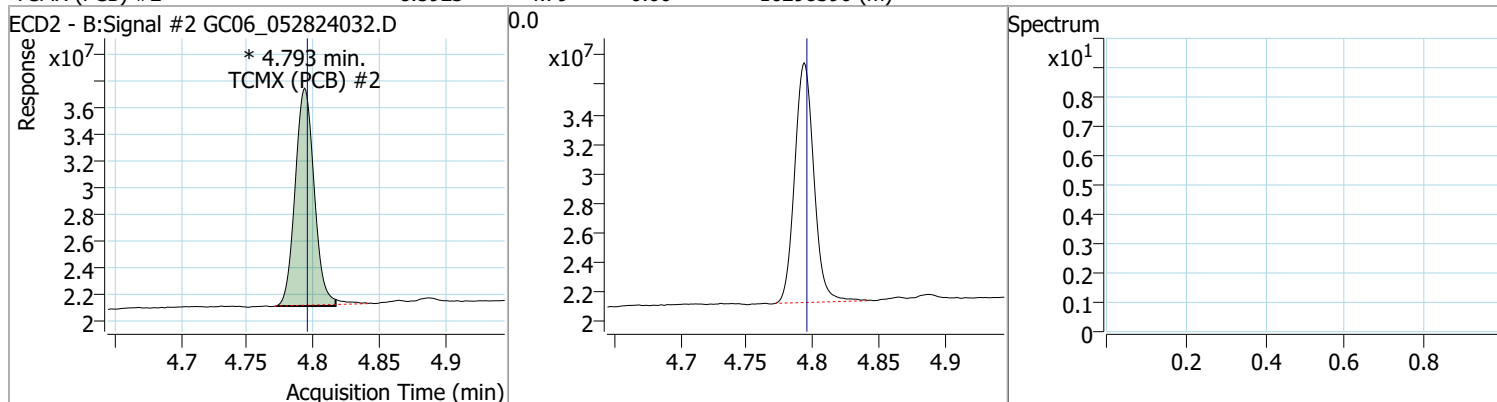
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

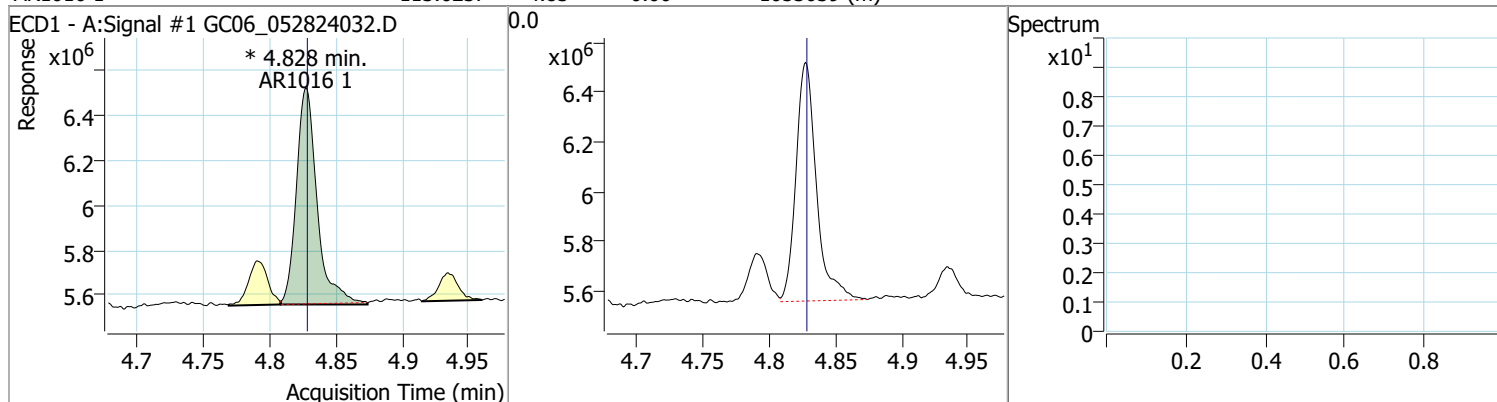
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.2744	4.51	0.00	3630375				



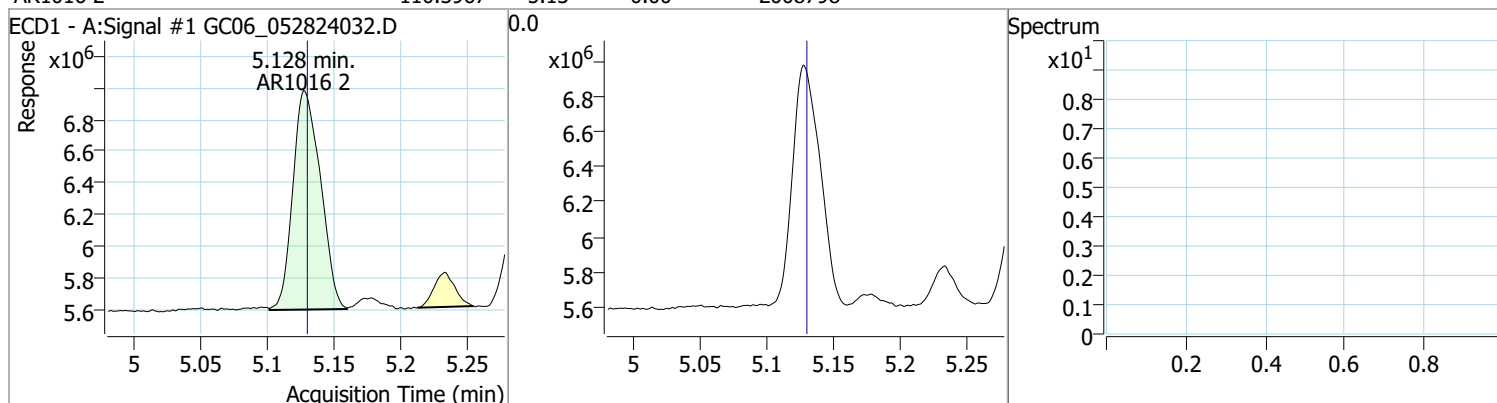
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.5923	4.79	0.00	16298390 (m)				



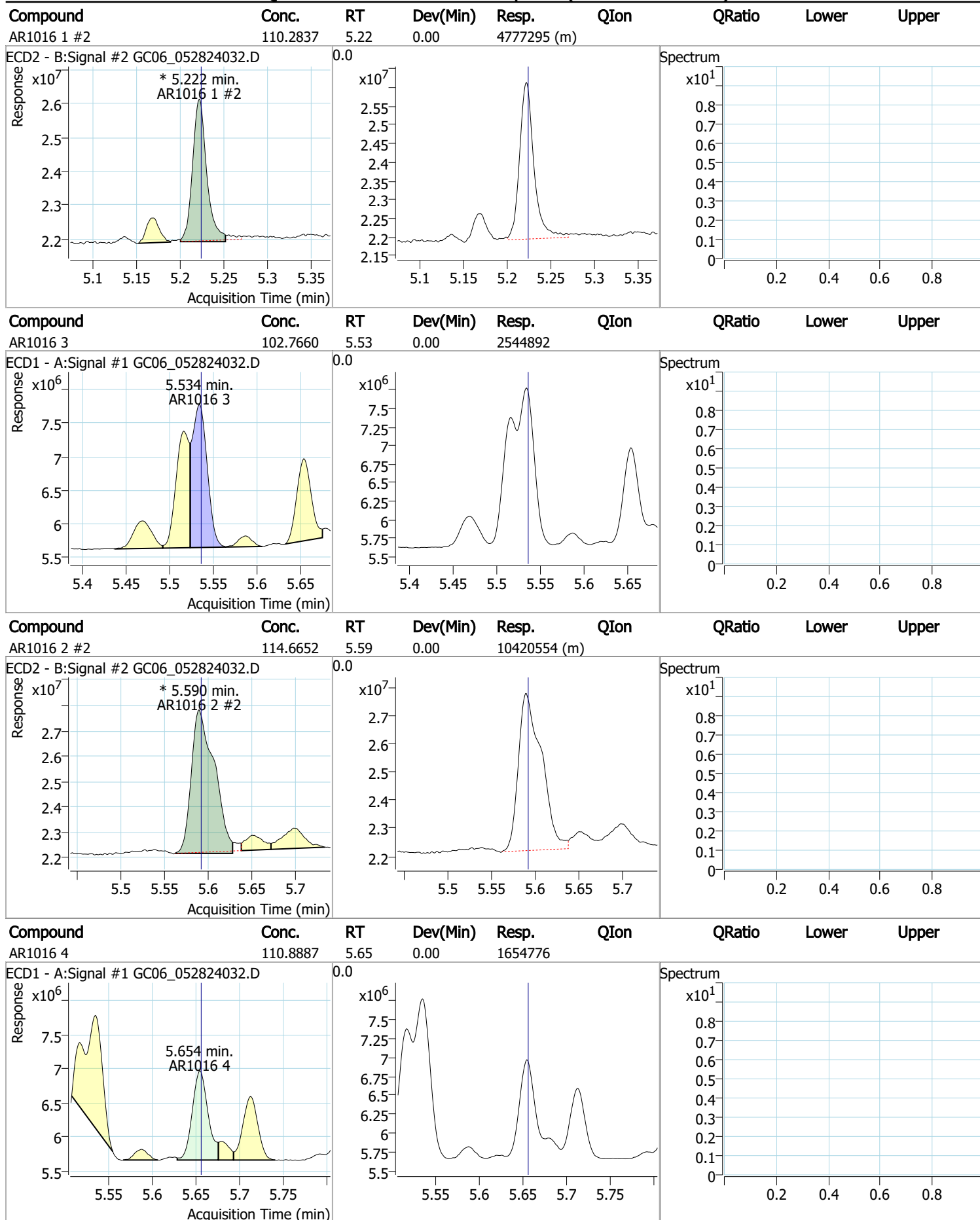
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	113.0237	4.83	0.00	1053039 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	110.3967	5.13	0.00	2008798				



Quantitation Results Report (Not Reviewed)

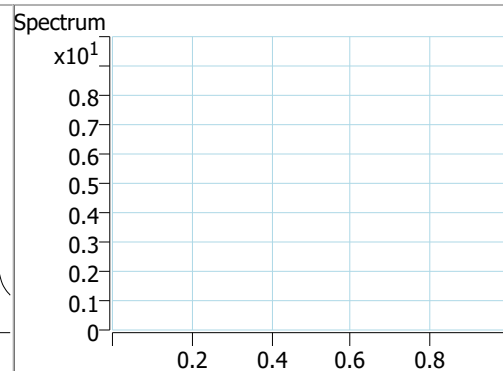
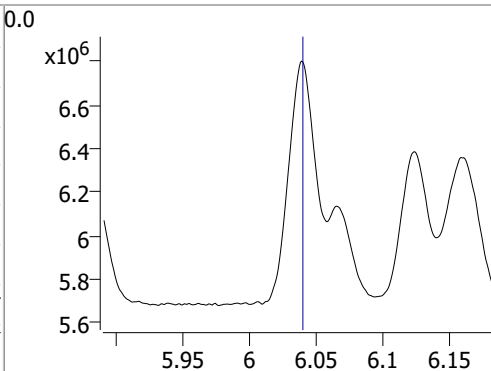
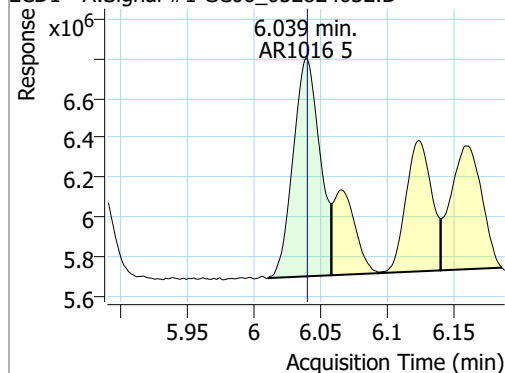


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 5 109.3503 6.04 0.00 1551702

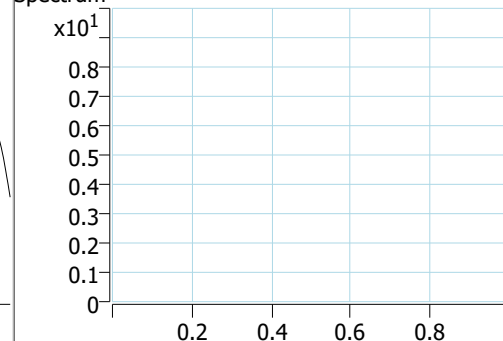
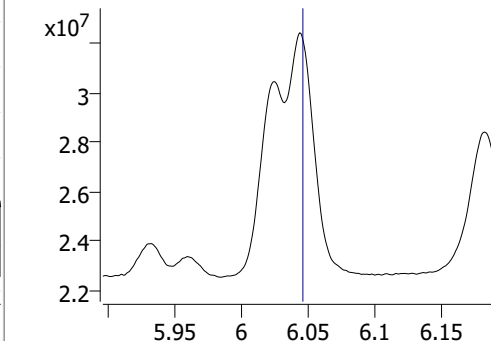
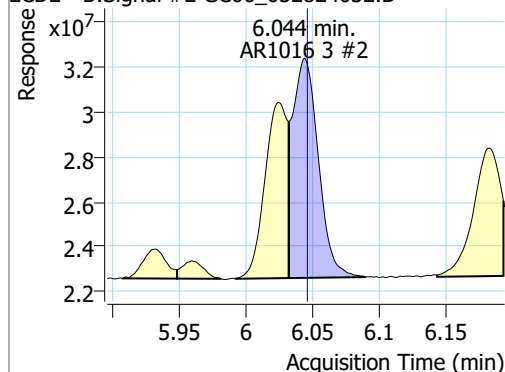
ECD1 - A:Signal #1 GC06_052824032.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 3 #2 111.7384 6.04 0.00 13162385

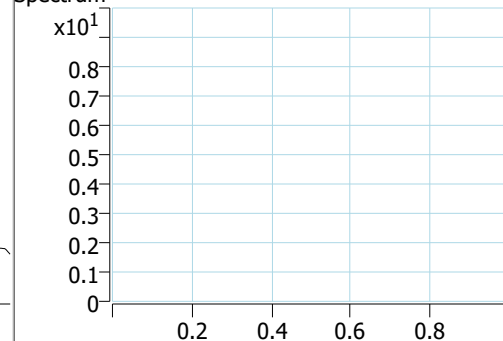
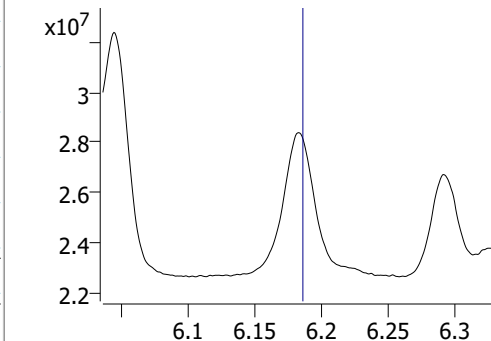
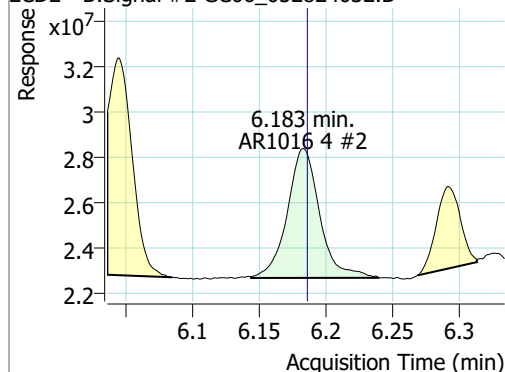
ECD2 - B:Signal #2 GC06_052824032.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 4 #2 112.3056 6.18 0.00 9730045

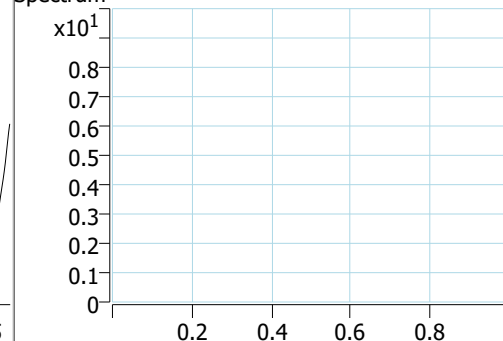
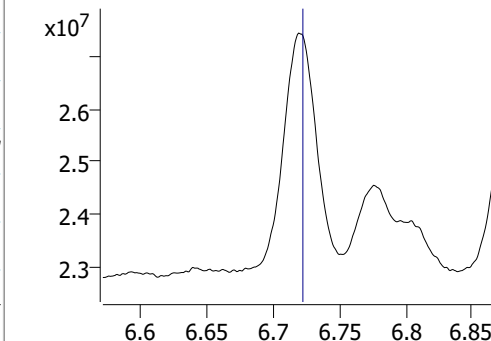
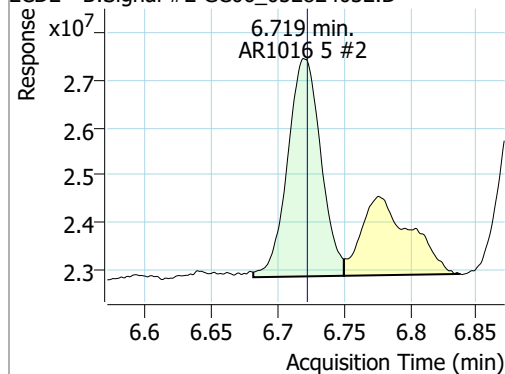
ECD2 - B:Signal #2 GC06_052824032.D



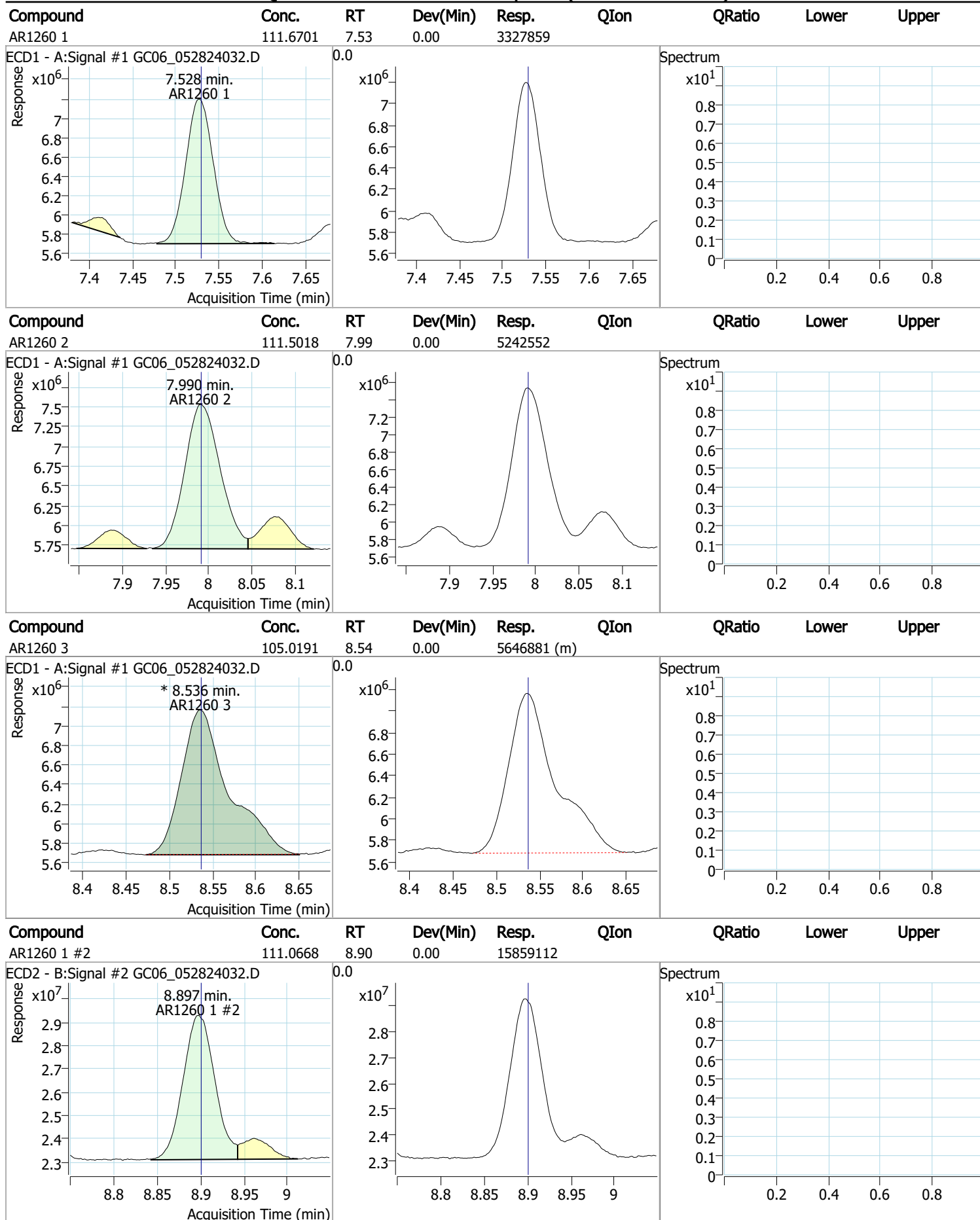
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 5 #2 109.6901 6.72 0.00 8045304

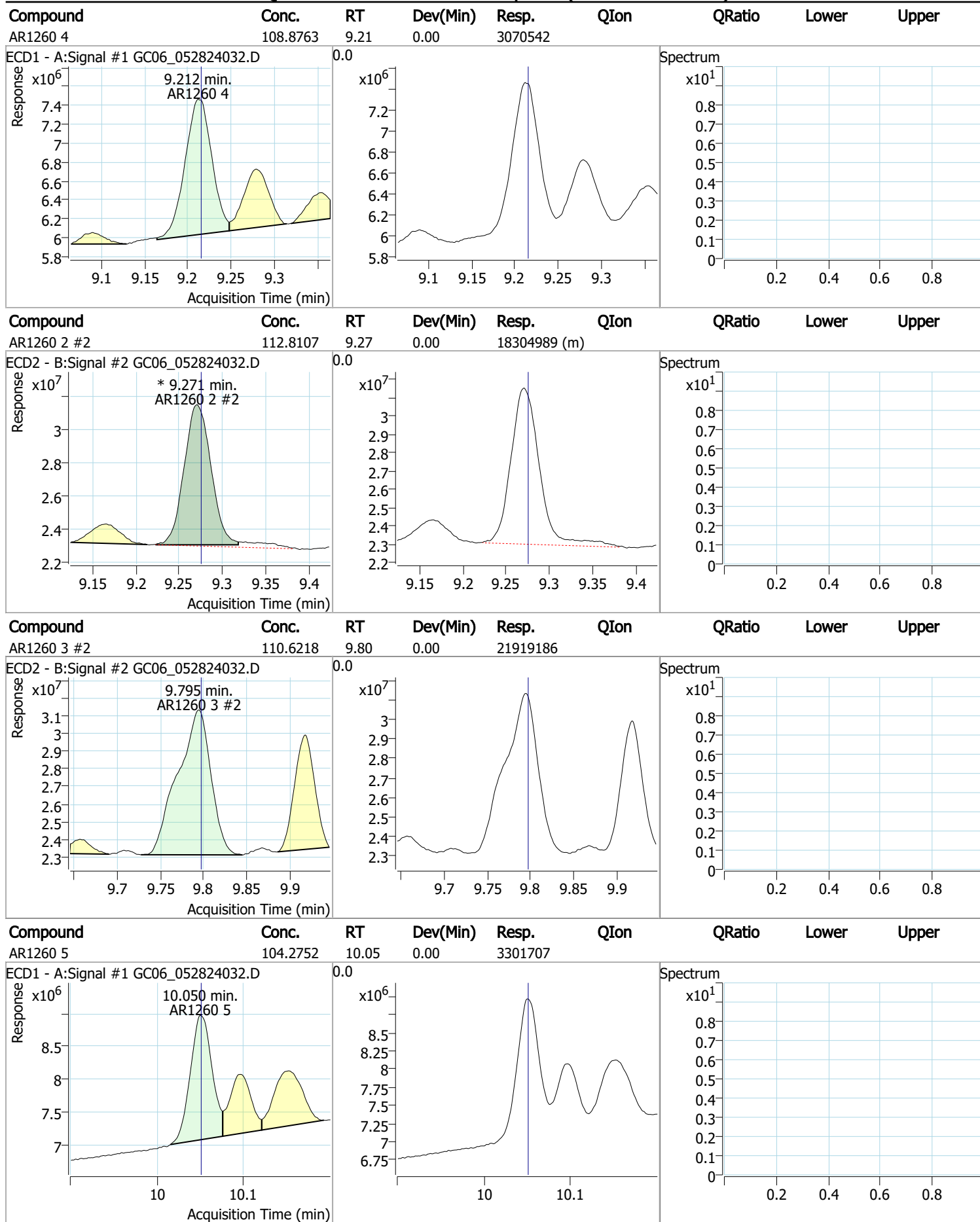
ECD2 - B:Signal #2 GC06_052824032.D



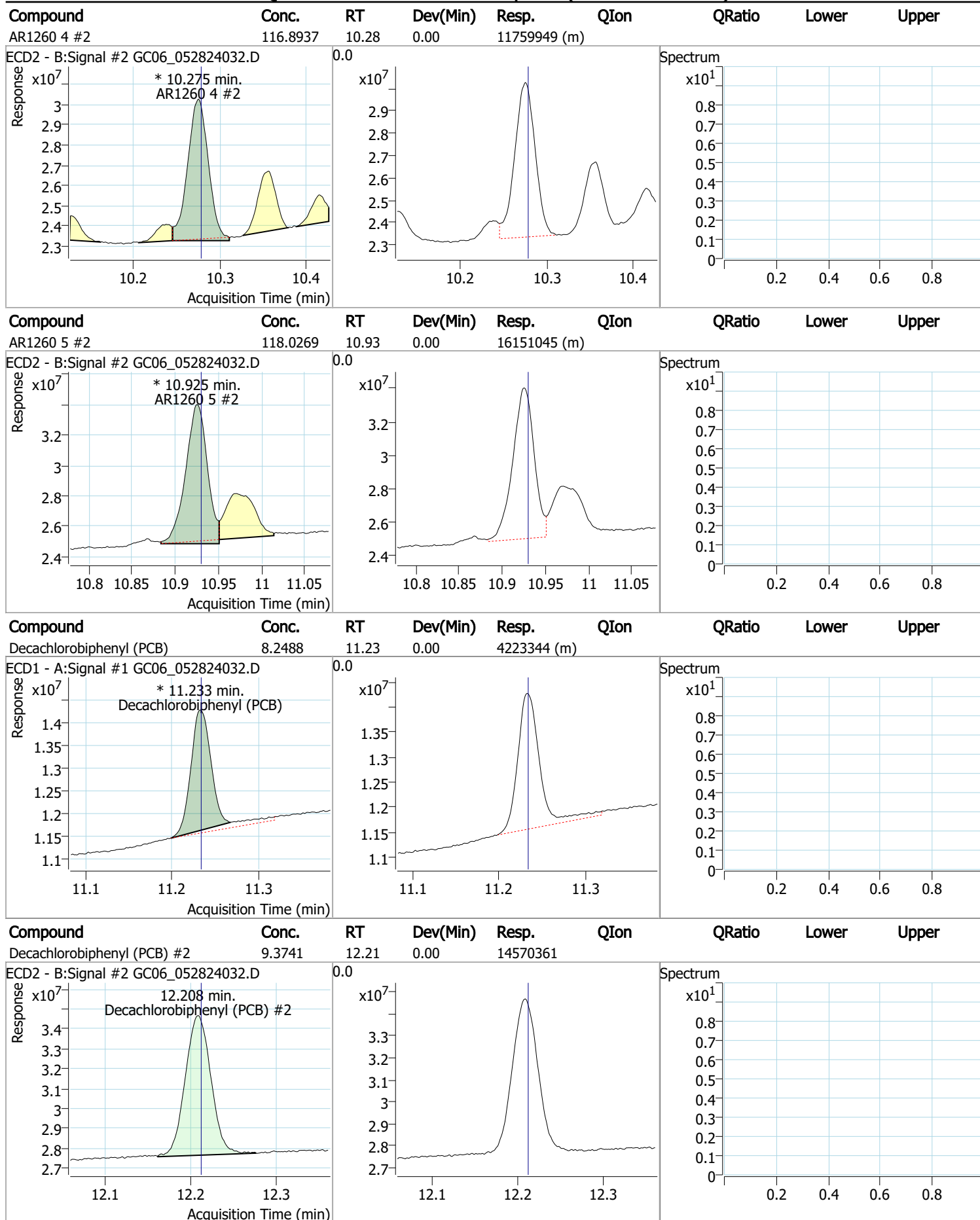
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

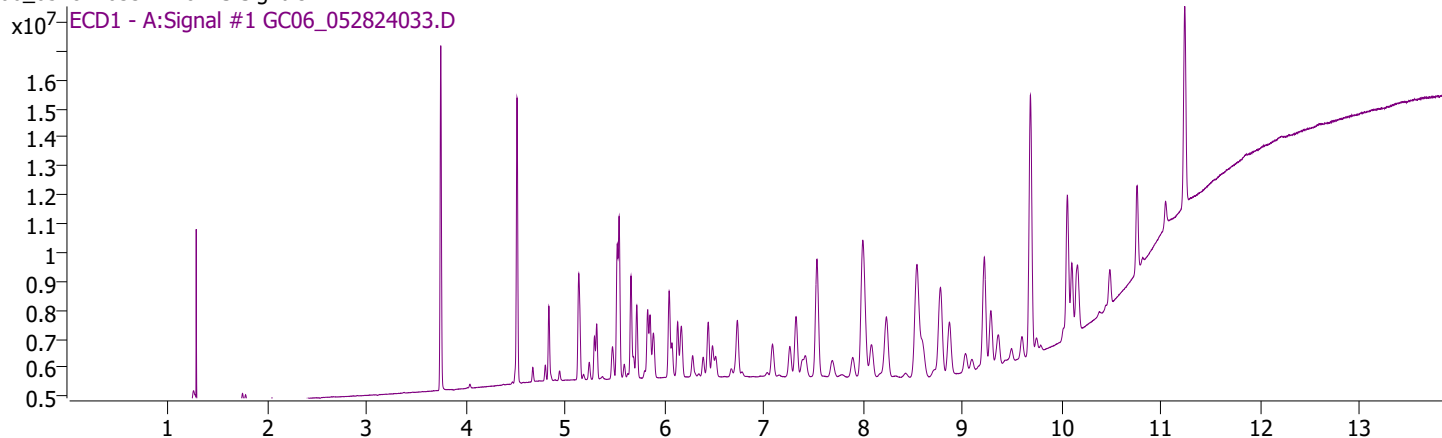


Quantitation Results Report (Not Reviewed)

Data File	GC06_052824033.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	5/28/2024 9:12:24 PM
Sample Name	ICAL, S20230	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_01.m	Comment	250 ppb PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	052824-PCB-ICAL.batch.bin	Last Calib Update	5/29/2024 8:08:32 AM
Ref Library			

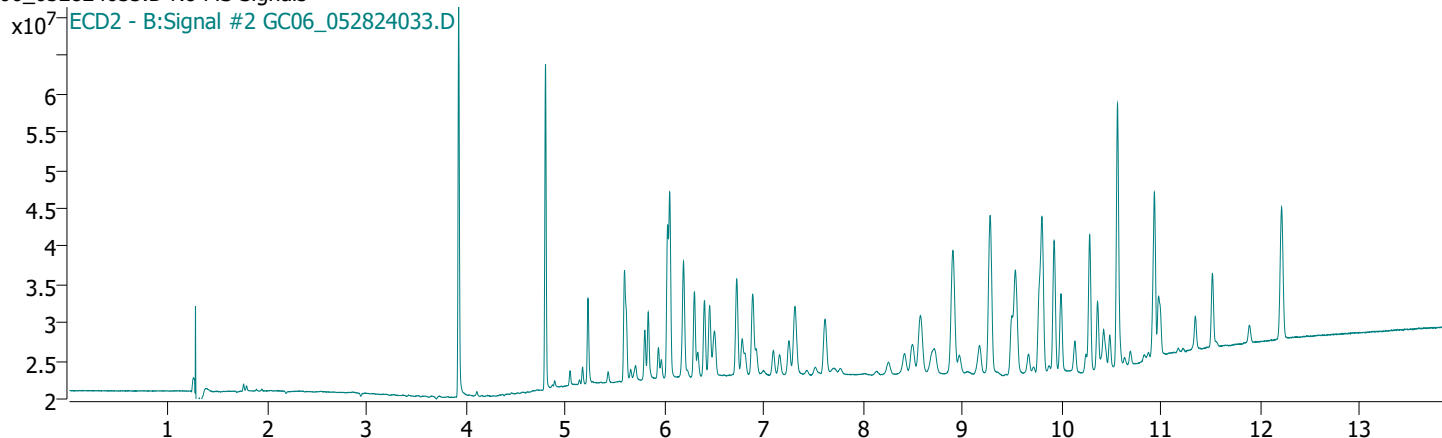
GC06_052824033.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_052824033.D



GC06_052824033.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_052824033.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.738	0.0	11034331.0 32	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.919	0.0	49741774.5 67	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.507	0.0	9903766.15 9	19.4192	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.10%		
S TCMX (PCB) #2	4.793	0.0	43071228.2 57	19.6466	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.23%		
S Decachlorobiphenyl (PCB)	11.233	0.0	11634808.7 25	19.5495	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.75%		
S Decachlorobiphenyl (PCB) #2	12.208	0.0	35537187.4 86	19.7824	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.91%		

Target Compounds

QValue

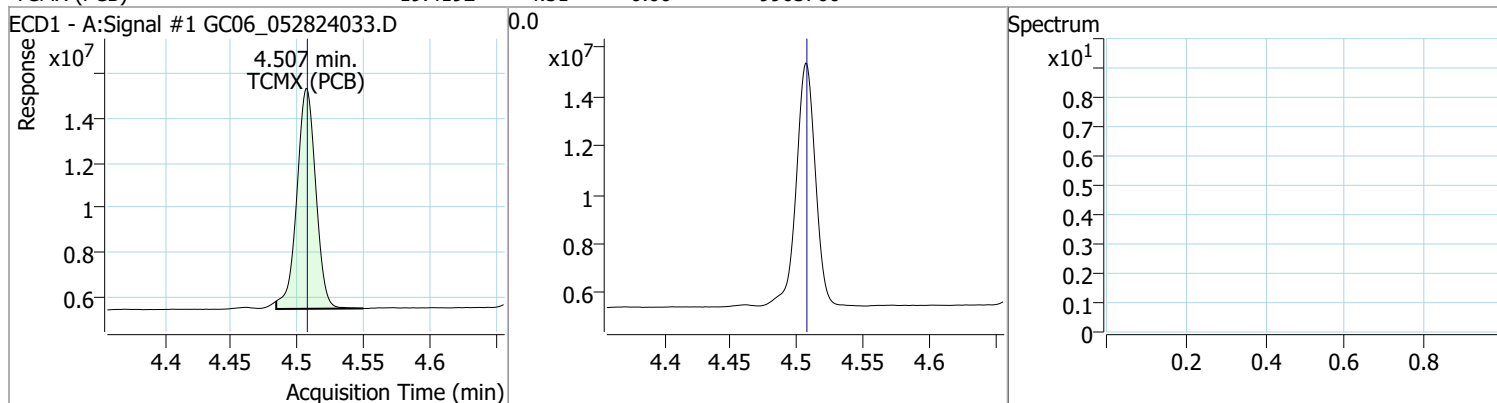
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.828	0.0	2814923.29 6	259.9180	ng/ml	100
T AR1016 2	5.129	0.0	5411490.09 5	255.8478	ng/ml	100
T AR1016 1 #2	5.222	0.0	12906636.4 32	257.7981	ng/ml	100
T AR1016 3	5.535	0.0	6728057.52 1	233.7301	ng/ml	100
T AR1016 2 #2	5.590	0.0	27188104.7 64	258.8553	ng/ml	100
T AR1016 4	5.655	0.0	4385887.59 7	252.8427	ng/ml m	100
T AR1016 5	6.039	0.0	4207304.51 5	255.0705	ng/ml	100
T AR1016 3 #2	6.044	0.0	35051839.3 56	257.4637	ng/ml m	100
T AR1016 4 #2	6.184	0.0	25265775.9 42	252.3228	ng/ml m	100
T AR1016 5 #2	6.720	0.0	21366241.3 49	252.0521	ng/ml	100
T AR1260 1	7.528	0.0	8913784.18 9	257.3232	ng/ml	100
T AR1260 2	7.990	0.0	14001742.4 71	256.1923	ng/ml	100
T AR1260 3	8.536	0.0	15257608.9 50	244.1129	ng/ml m	100
T AR1260 1 #2	8.898	0.0	42368777.1 14	256.7371	ng/ml	100
T AR1260 4	9.214	0.0	8308687.40 4	253.4519	ng/ml	100
T AR1260 2 #2	9.273	0.0	47225546.8 29	251.8229	ng/ml m	100
T AR1260 3 #2	9.794	0.0	57800214.4 54	252.3964	ng/ml m	100
T AR1260 5	10.050	0.0	9349378.73 5	254.0212	ng/ml	100
T AR1260 4 #2	10.275	0.0	29850406.9 95	256.7280	ng/ml	100
T AR1260 5 #2	10.927	0.0	38719142.3 24	244.8180	ng/ml	100

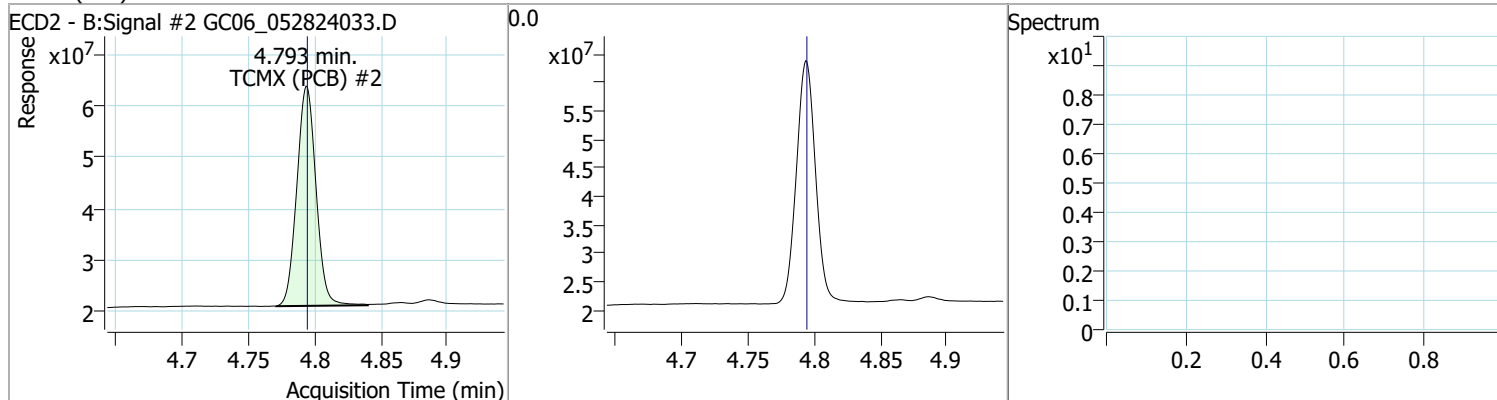
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

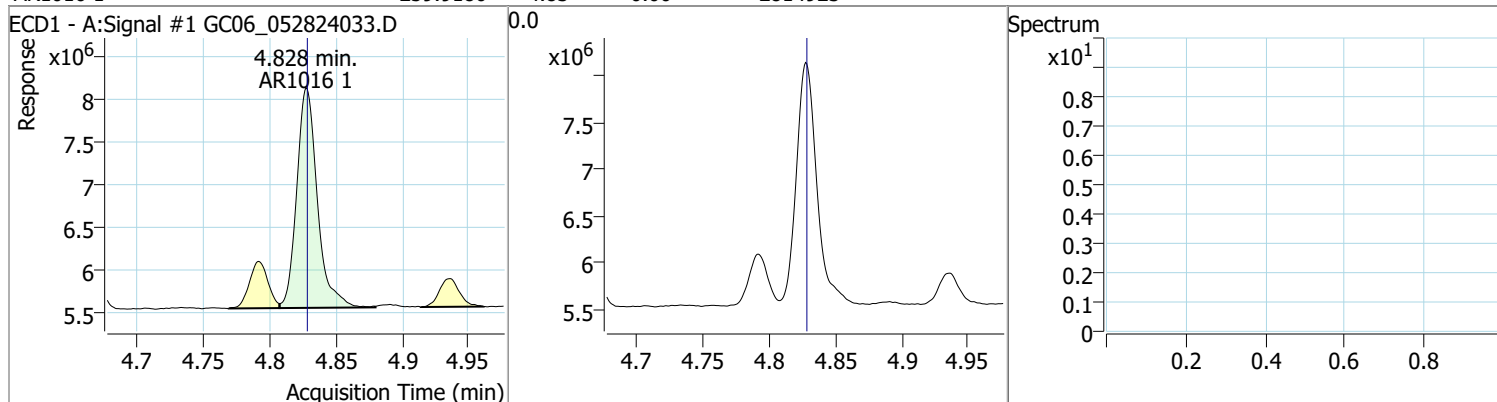
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.4192	4.51	0.00	9903766				



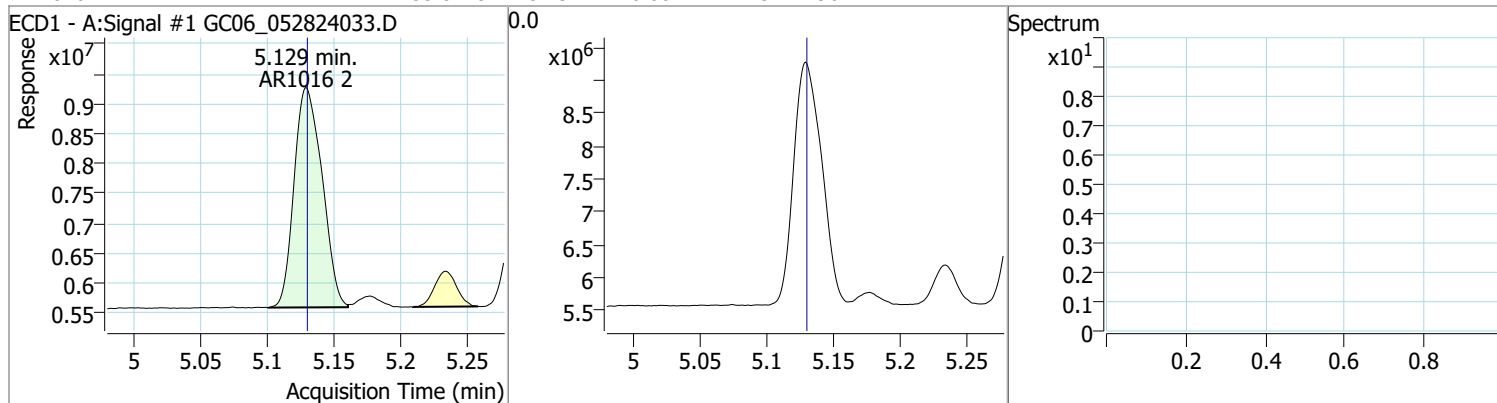
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.6466	4.79	0.00	43071228				



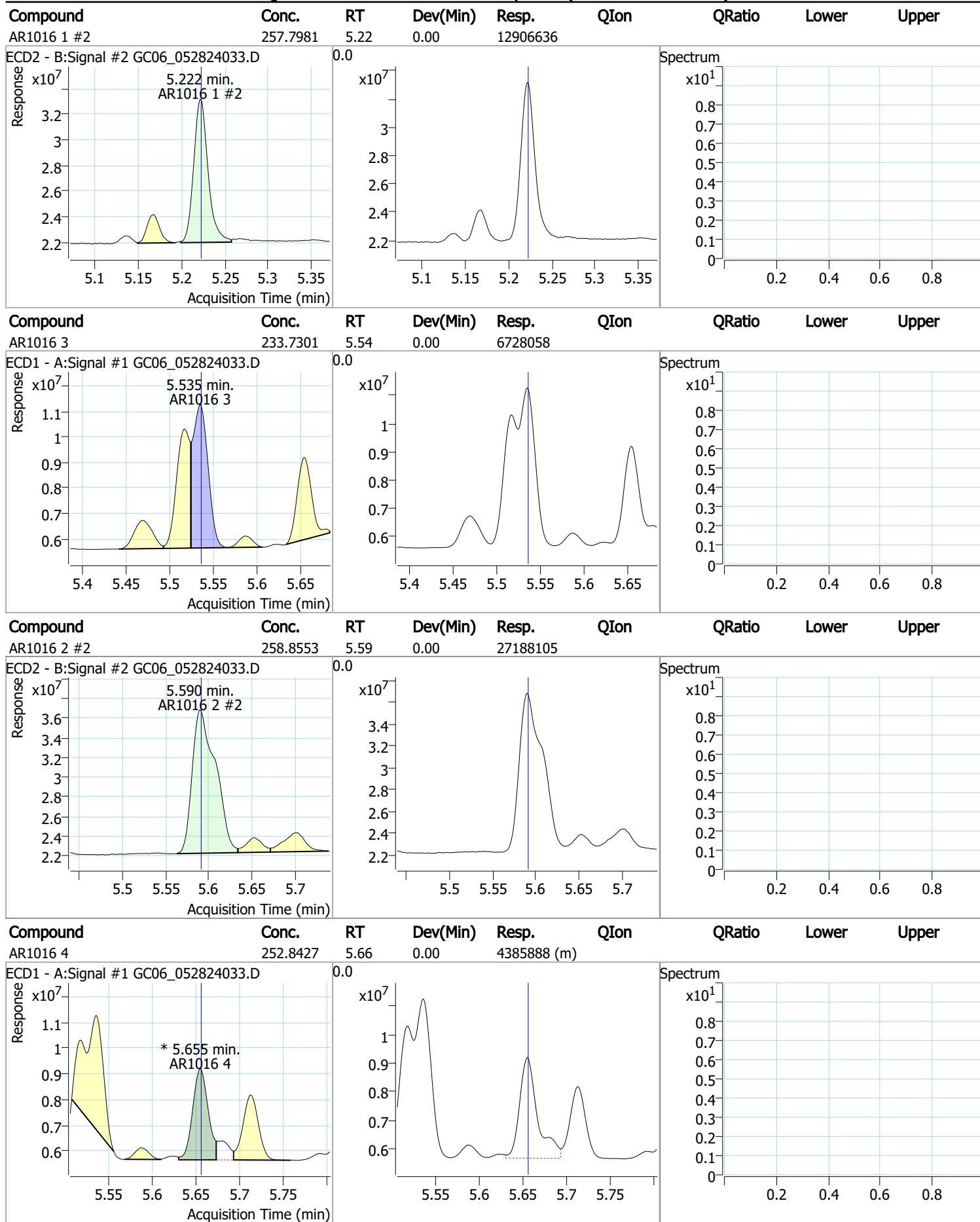
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	259.9180	4.83	0.00	2814923				



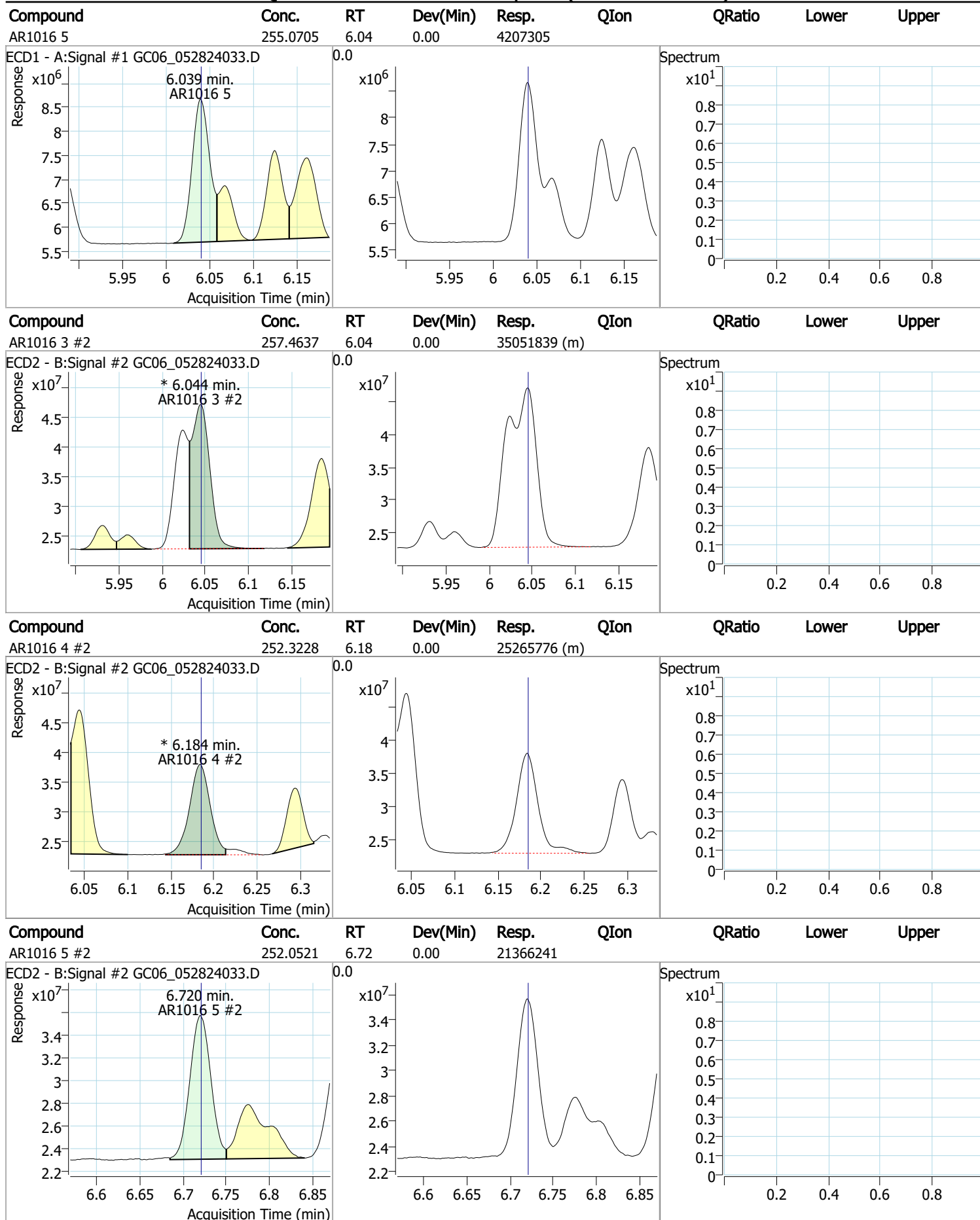
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	255.8478	5.13	0.00	5411490				



Quantitation Results Report (Not Reviewed)

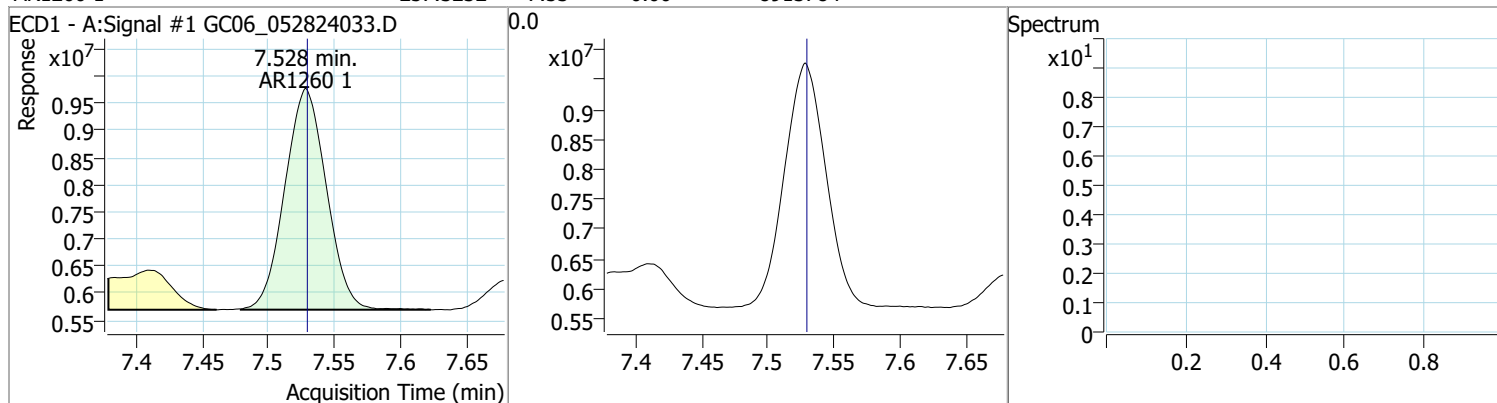


Quantitation Results Report (Not Reviewed)

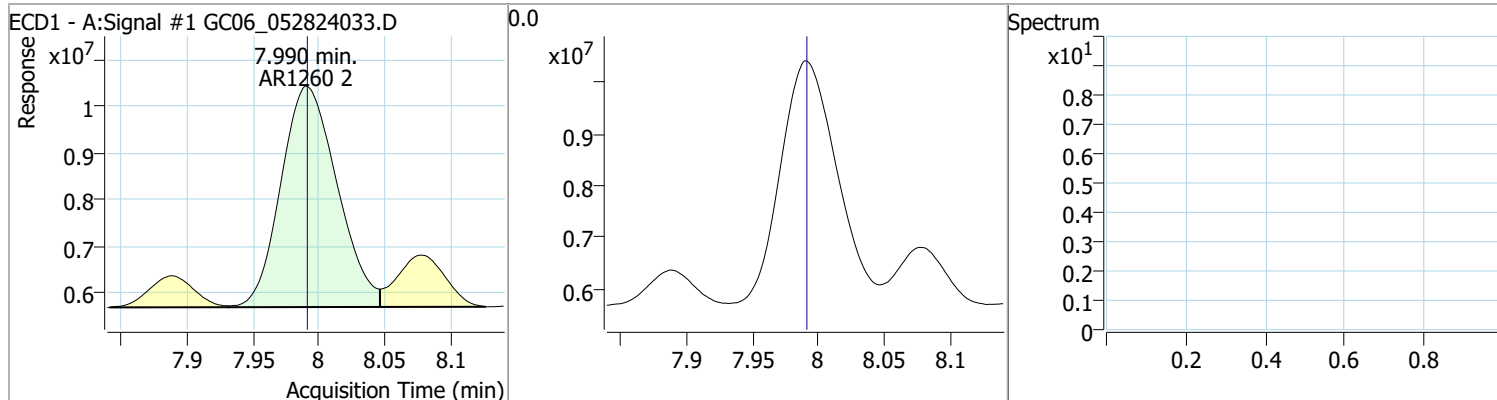


Quantitation Results Report (Not Reviewed)

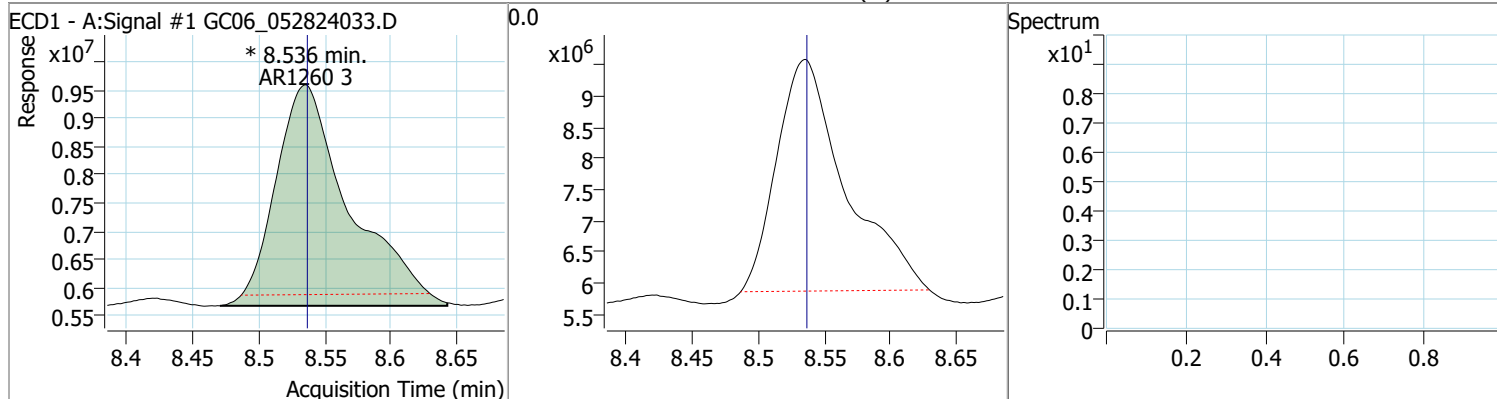
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	257.3232	7.53	0.00	8913784				



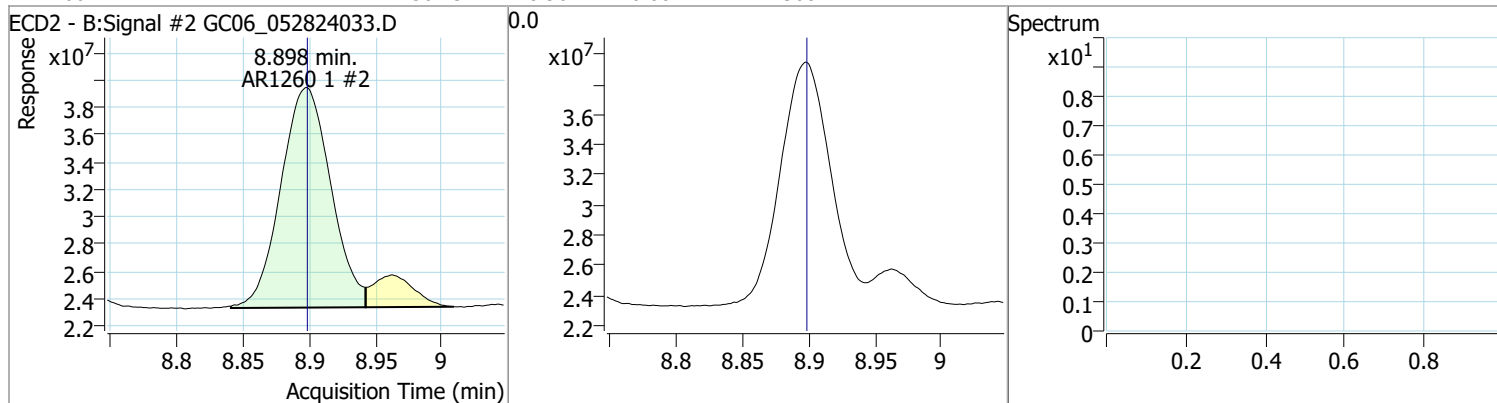
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	256.1923	7.99	0.00	14001742				



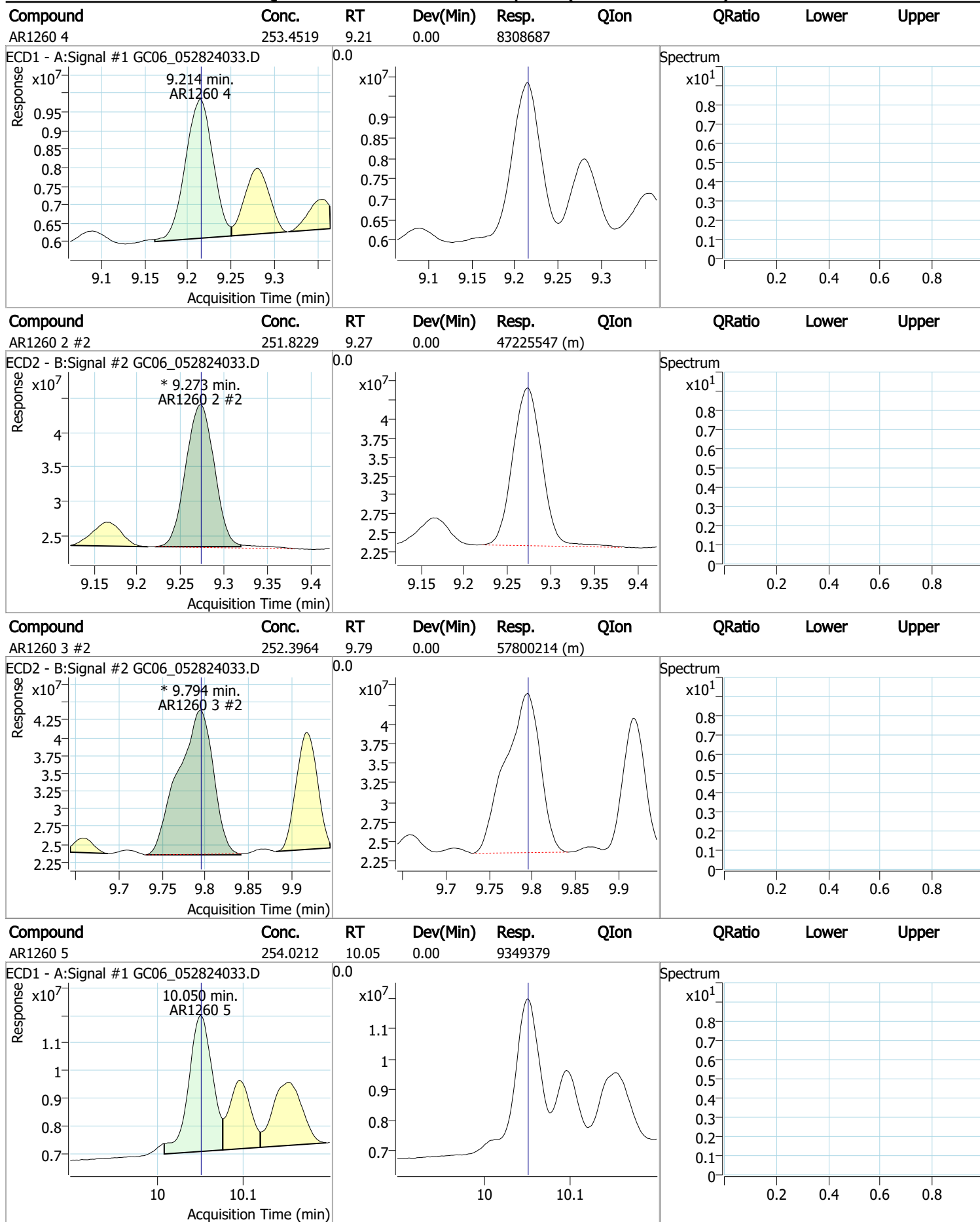
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	244.1129	8.54	0.00	15257609 (m)				



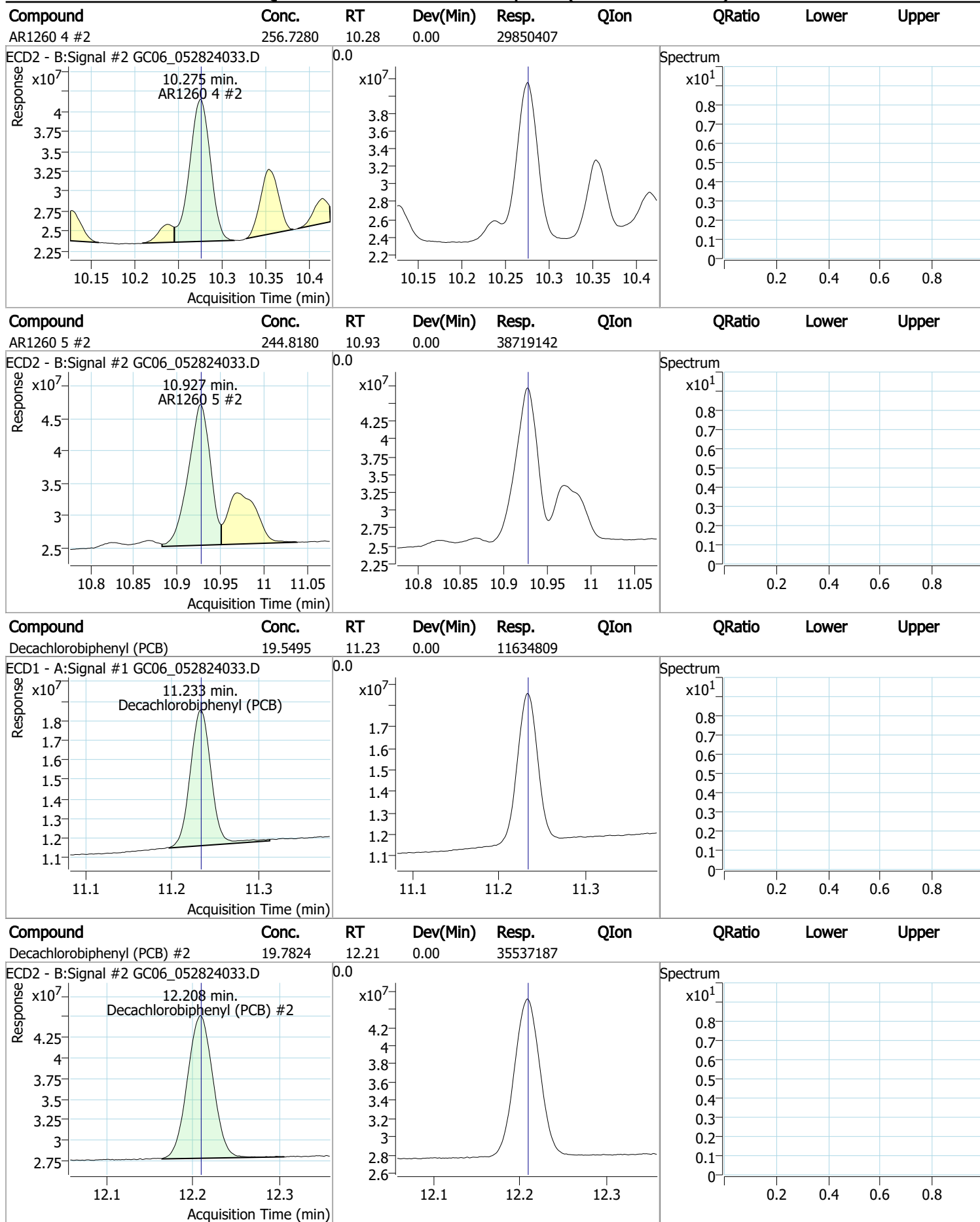
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	256.7371	8.90	0.00	42368777				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

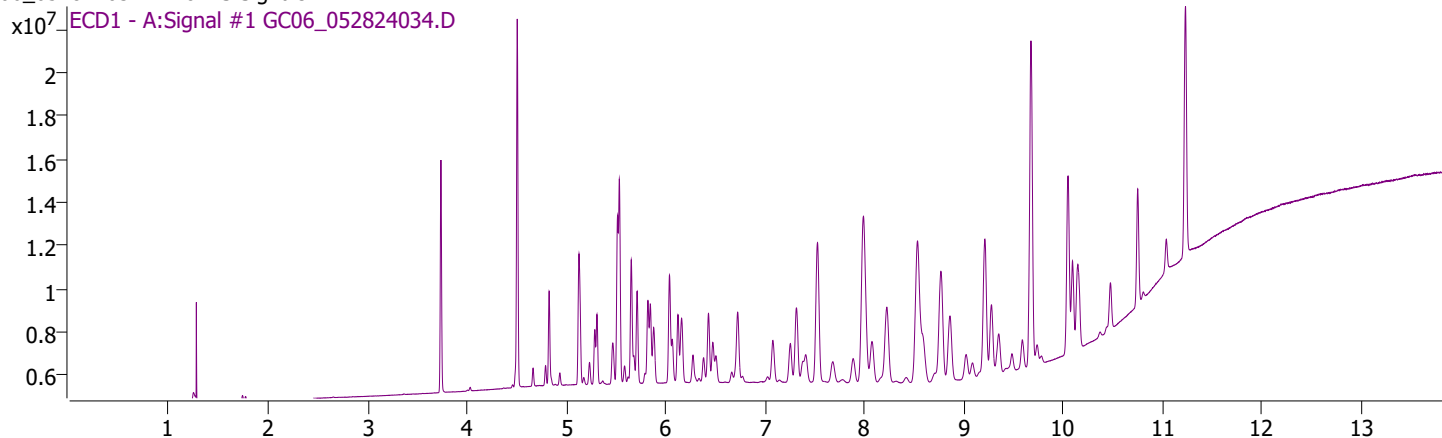


Quantitation Results Report (Not Reviewed)

Data File	GC06_052824034.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	5/28/2024 9:30:59 PM
Sample Name	ICAL, S20231	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_01.m	Comment	500 ppb PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	052824-PCB-ICAL.batch.bin	Last Calib Update	5/29/2024 8:08:32 AM
Ref Library			

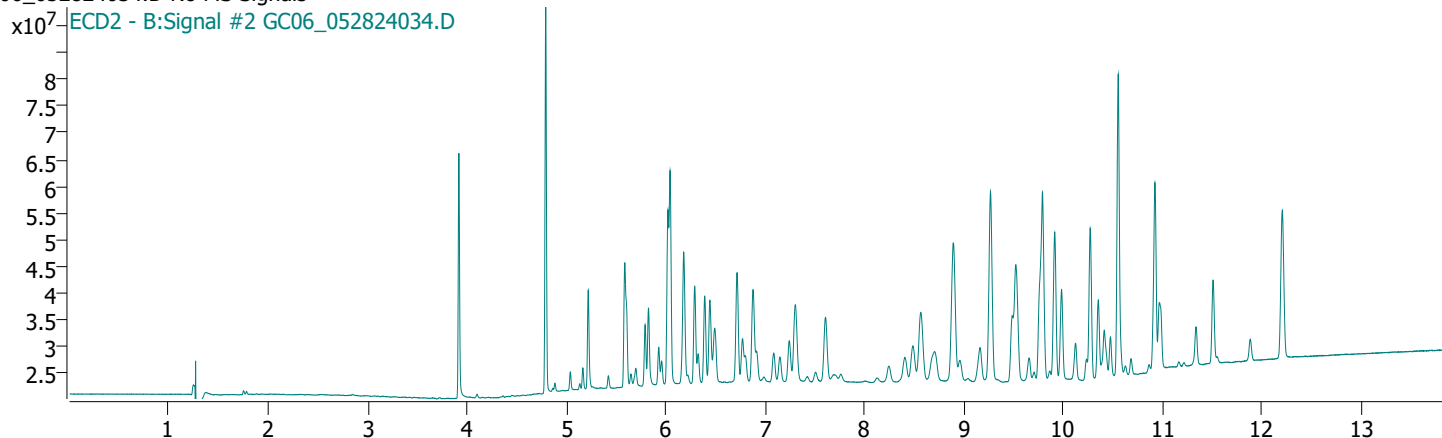
GC06_052824034.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_052824034.D



GC06_052824034.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_052824034.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.738	0.0	9723245.06 0	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.919	0.0	44450295.7 43	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.507	0.0	16917424.6 71	37.6444	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.22%	*	
S TCMX (PCB) #2	4.793	0.0	73146636.5 54	37.3372	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.69%	*	
S Decachlorobiphenyl (PCB)	11.233	0.0	19378856.3 47	36.9522	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.76%	*	
S Decachlorobiphenyl (PCB) #2	12.208	0.0	58826397.0 64	36.6450	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.23%	*	

Target Compounds

QValue

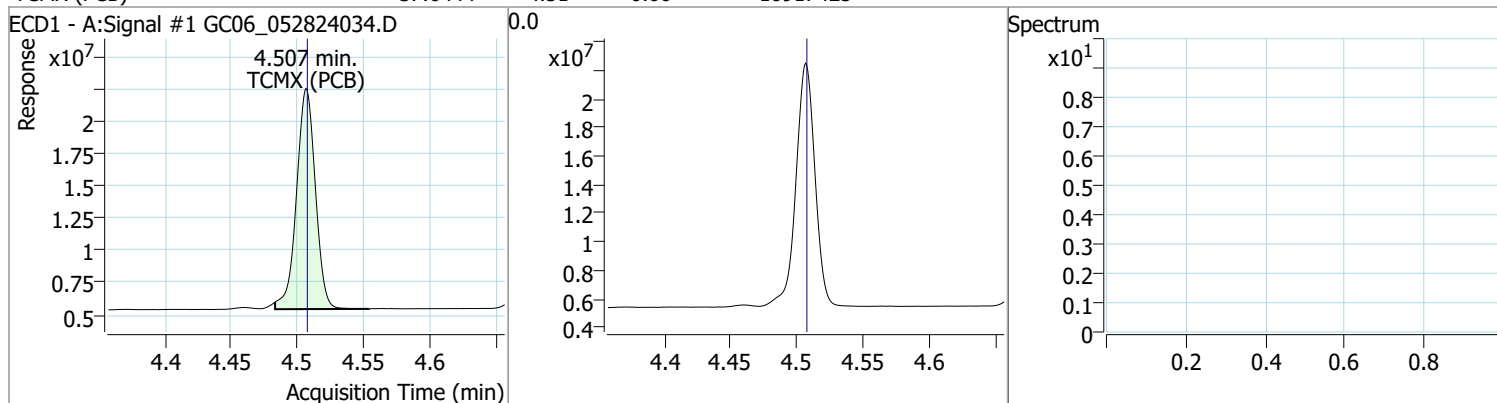
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.828	0.0	4760488.34 9	498.8341	ng/ml	100
T AR1016 2	5.128	0.0	9049488.82 5	485.5384	ng/ml	100
T AR1016 1 #2	5.222	0.0	21466841.6 22	479.8233	ng/ml	100
T AR1016 3	5.534	0.0	11084135.3 28	436.9800	ng/ml	100
T AR1016 2 #2	5.589	0.0	44307586.3 50	472.0661	ng/ml	100
T AR1016 4	5.654	0.0	7414700.82 2	485.0889	ng/ml	100
T AR1016 5	6.039	0.0	6989131.26 0	480.8551	ng/ml	100
T AR1016 3 #2	6.045	0.0	56492237.9 36	464.3448	ng/ml	100
T AR1016 4 #2	6.183	0.0	41718771.2 99	466.2318	ng/ml m	100
T AR1016 5 #2	6.719	0.0	35245029.7 41	465.2718	ng/ml	100
T AR1260 1	7.529	0.0	14439305.4 58	473.0400	ng/ml	100
T AR1260 2	7.992	0.0	22897165.8 48	475.4452	ng/ml	100
T AR1260 3	8.536	0.0	25424498.1 87	461.6273	ng/ml	100
T AR1260 1 #2	8.897	0.0	69565130.2 54	471.7164	ng/ml	100
T AR1260 4	9.213	0.0	14409928.7 48	498.8383	ng/ml m	100
T AR1260 2 #2	9.271	0.0	78846270.5 87	470.4852	ng/ml	100
T AR1260 3 #2	9.794	0.0	93825825.1 00	458.4825	ng/ml	100
T AR1260 5	10.051	0.0	15037798.8 80	463.6671	ng/ml	100
T AR1260 4 #2	10.274	0.0	49364587.1 83	475.1001	ng/ml	100
T AR1260 5 #2	10.926	0.0	63133037.9 59	446.7051	ng/ml	100

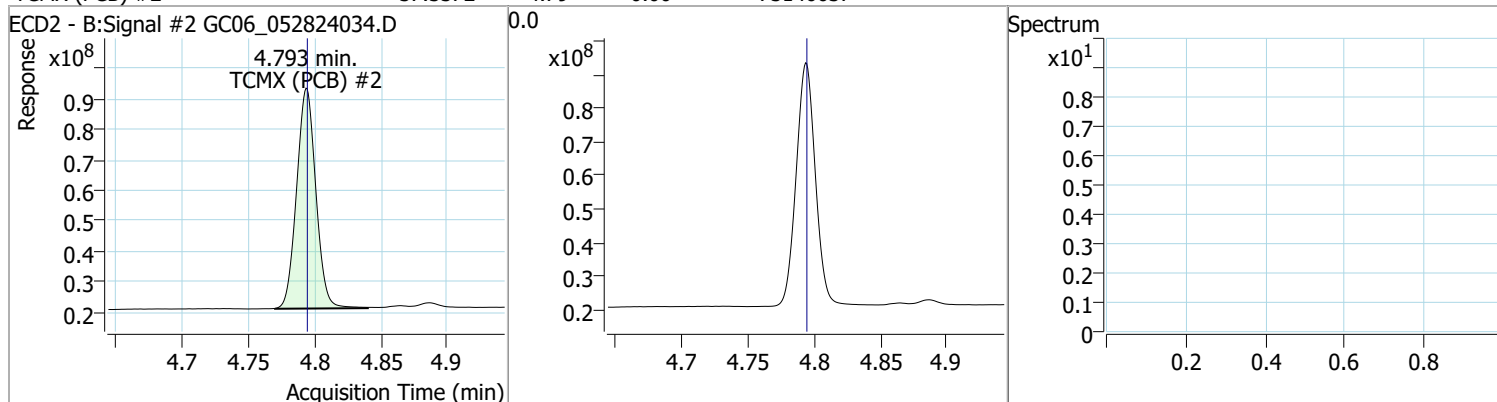
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

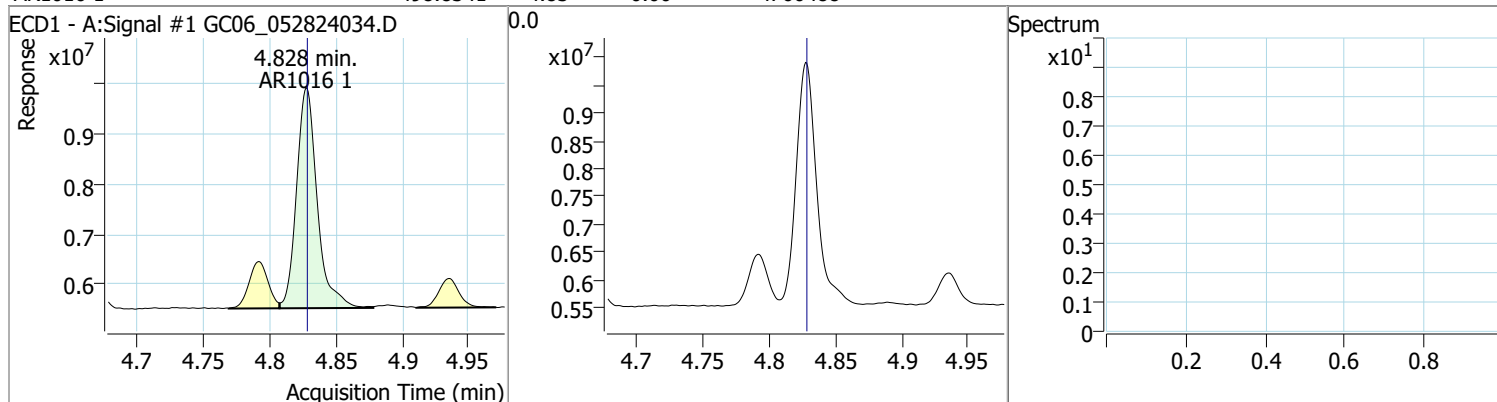
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.6444	4.51	0.00	16917425				



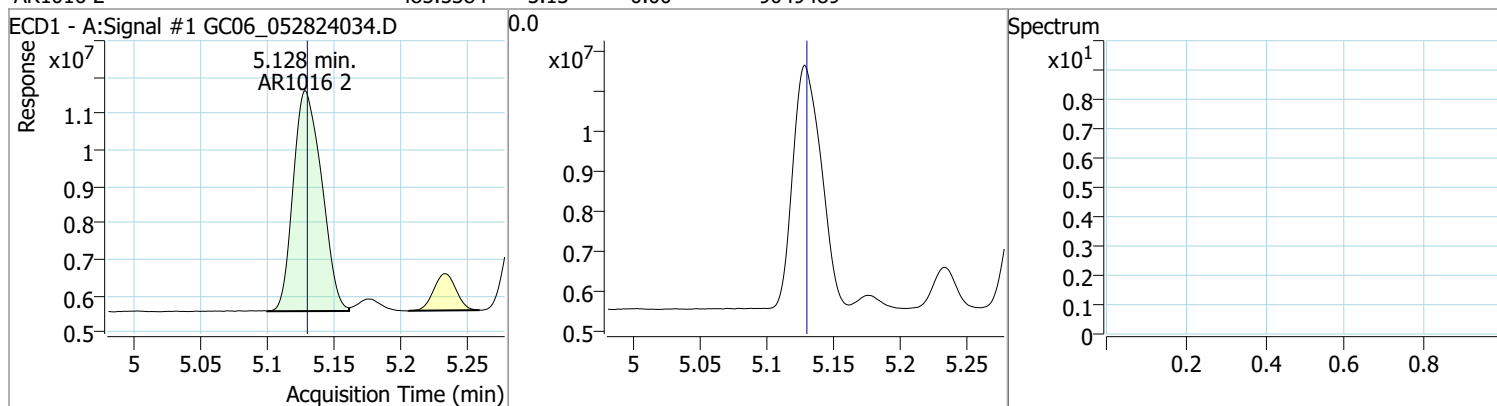
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.3372	4.79	0.00	73146637				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	498.8341	4.83	0.00	4760488				

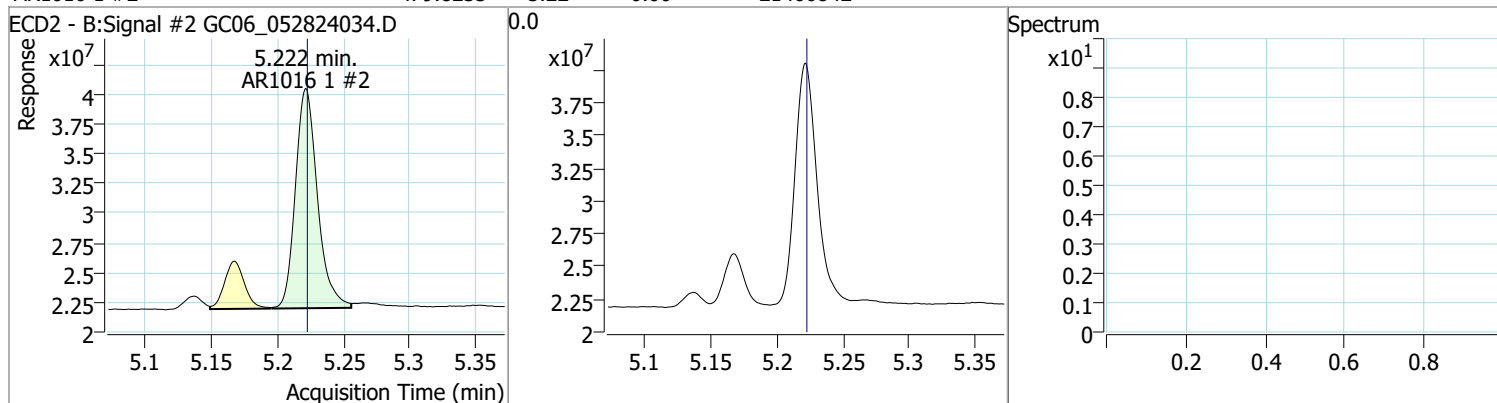


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	485.5384	5.13	0.00	9049489				

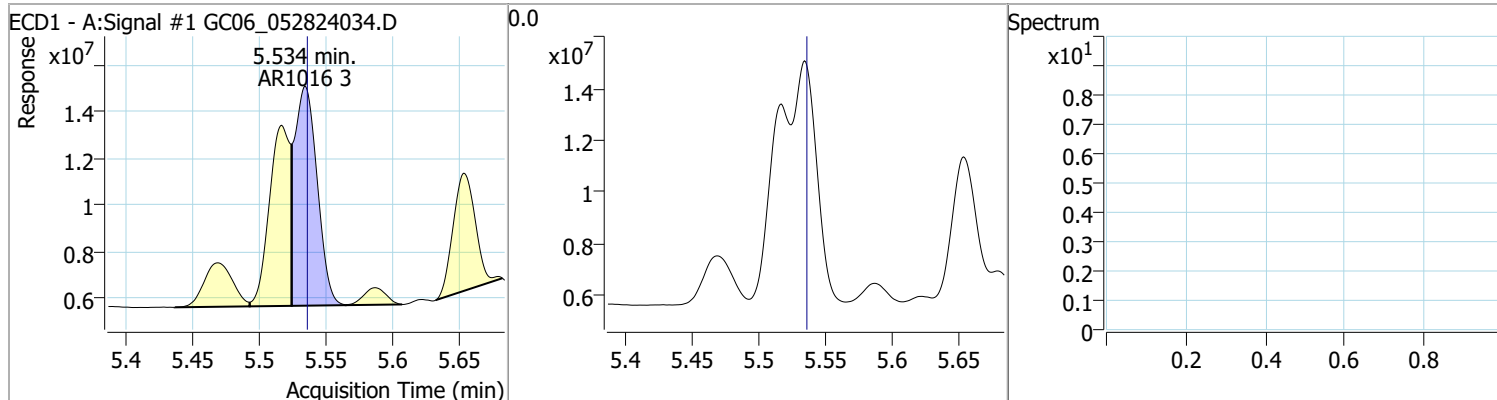


Quantitation Results Report (Not Reviewed)

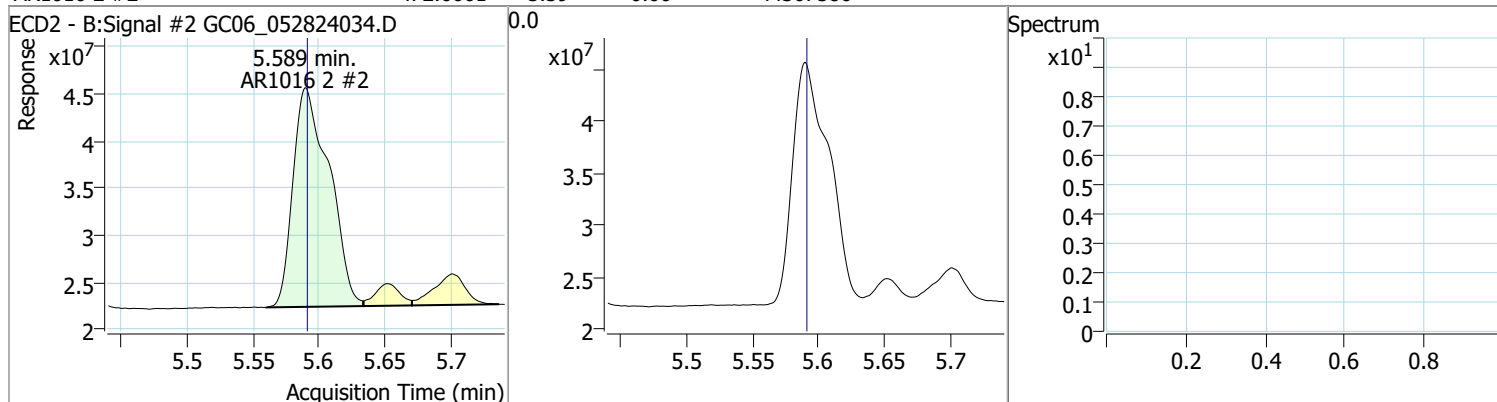
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	479.8233	5.22	0.00	21466842				



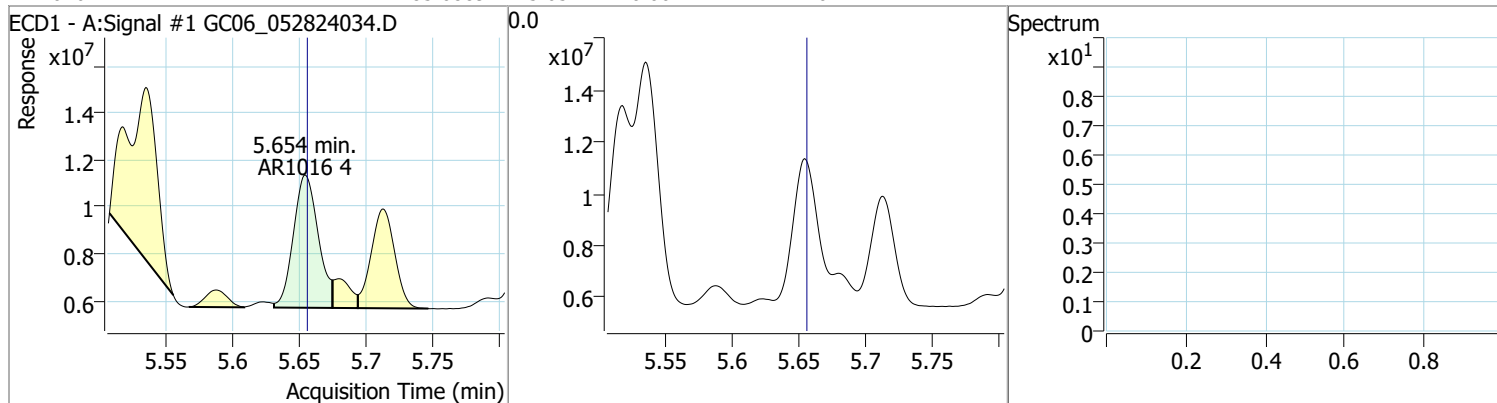
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	436.9800	5.53	0.00	11084135				



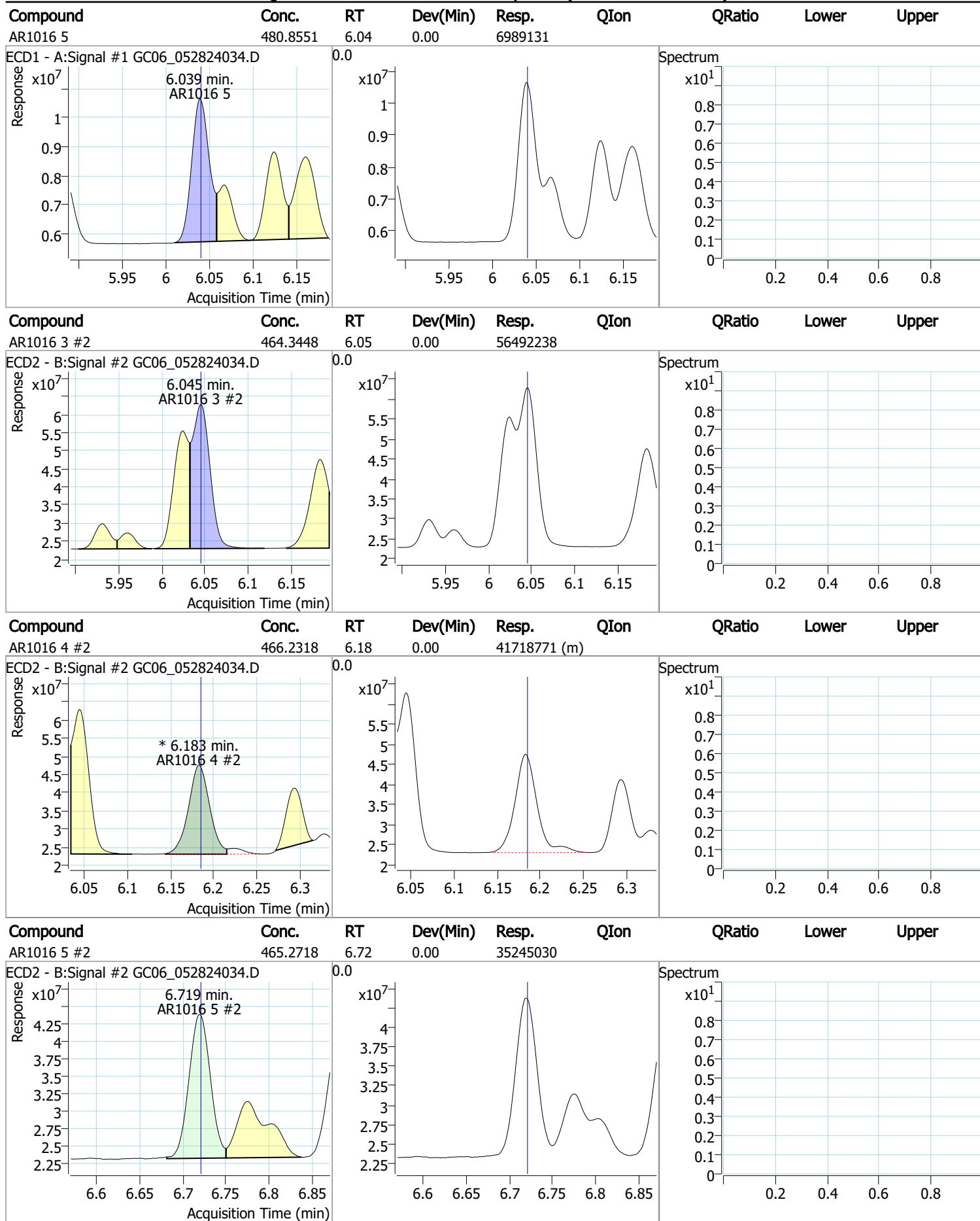
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	472.0661	5.59	0.00	44307586				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	485.0889	5.65	0.00	7414701				

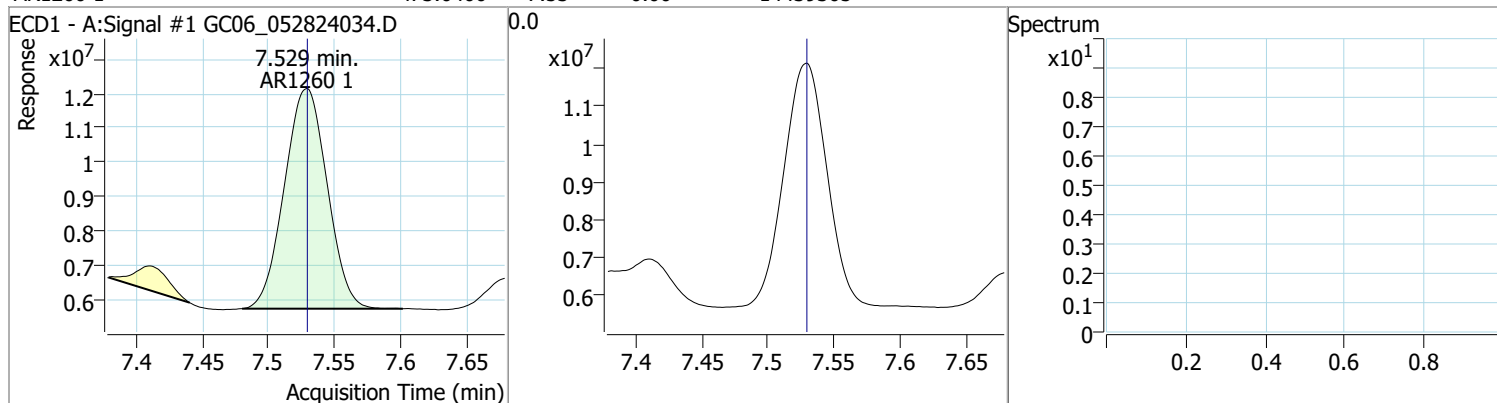


Quantitation Results Report (Not Reviewed)

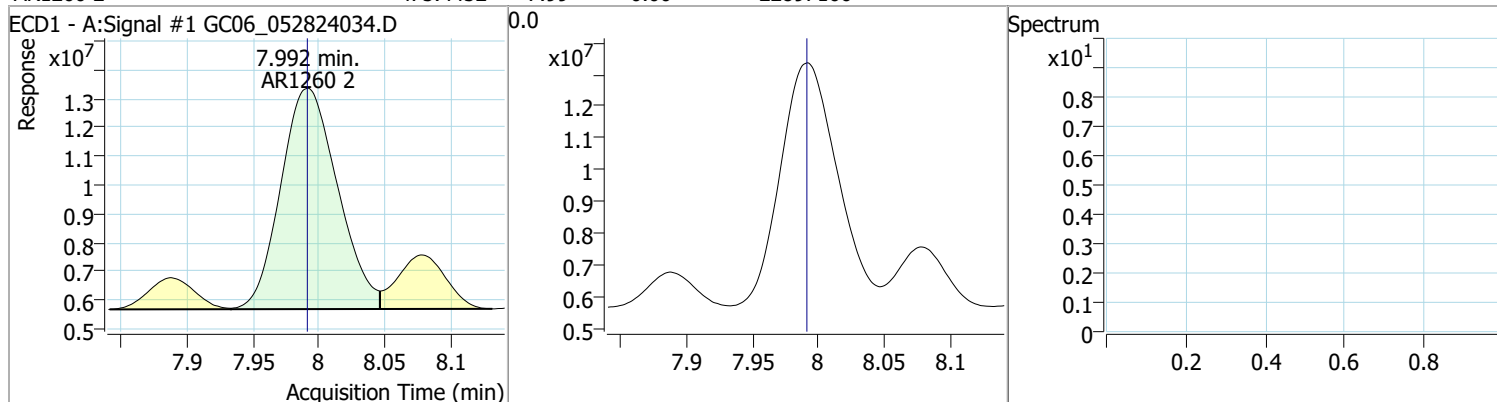


Quantitation Results Report (Not Reviewed)

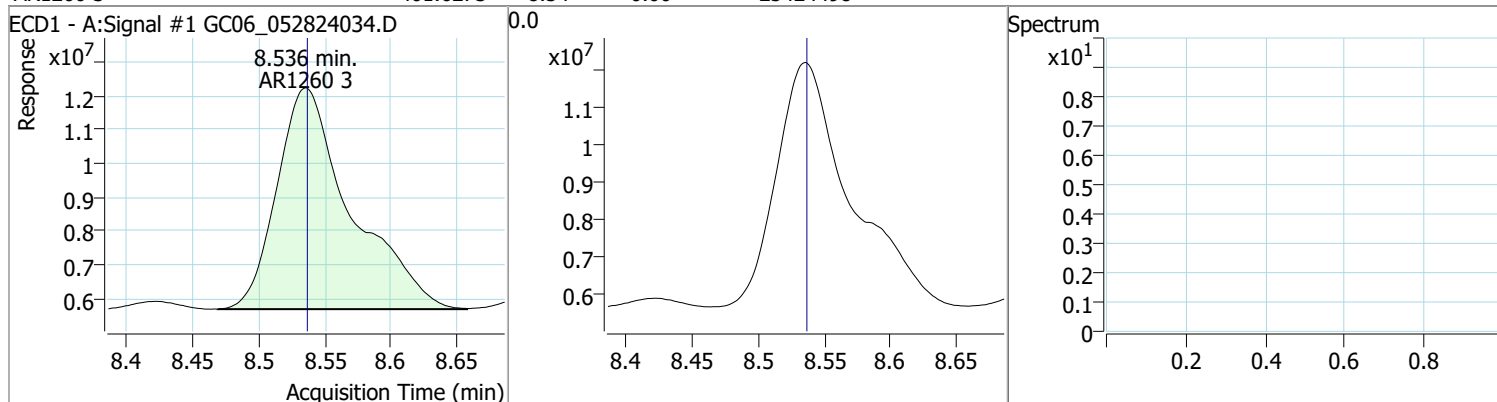
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	473.0400	7.53	0.00	14439305				



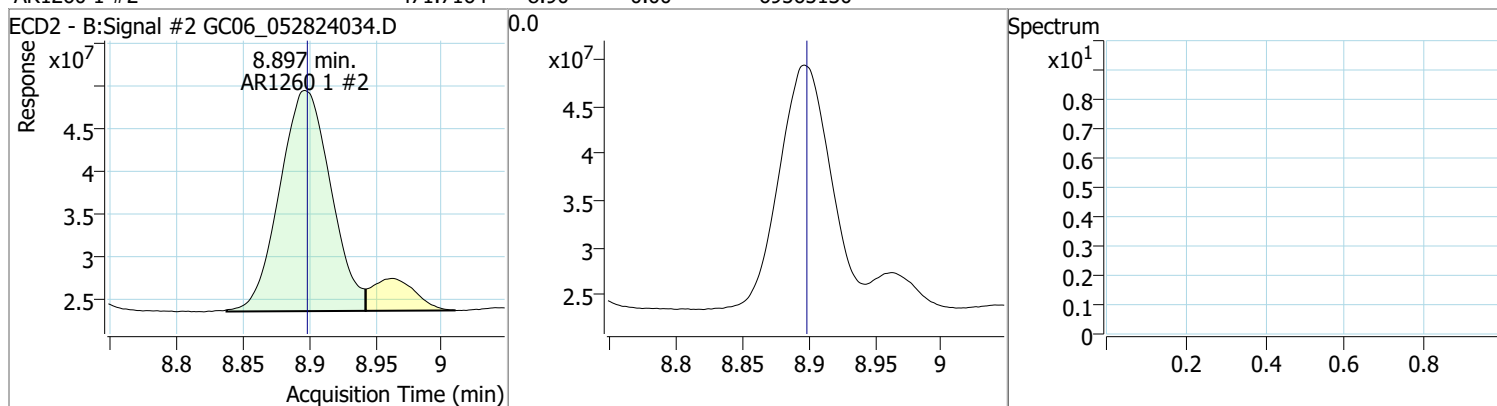
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	475.4452	7.99	0.00	22897166				



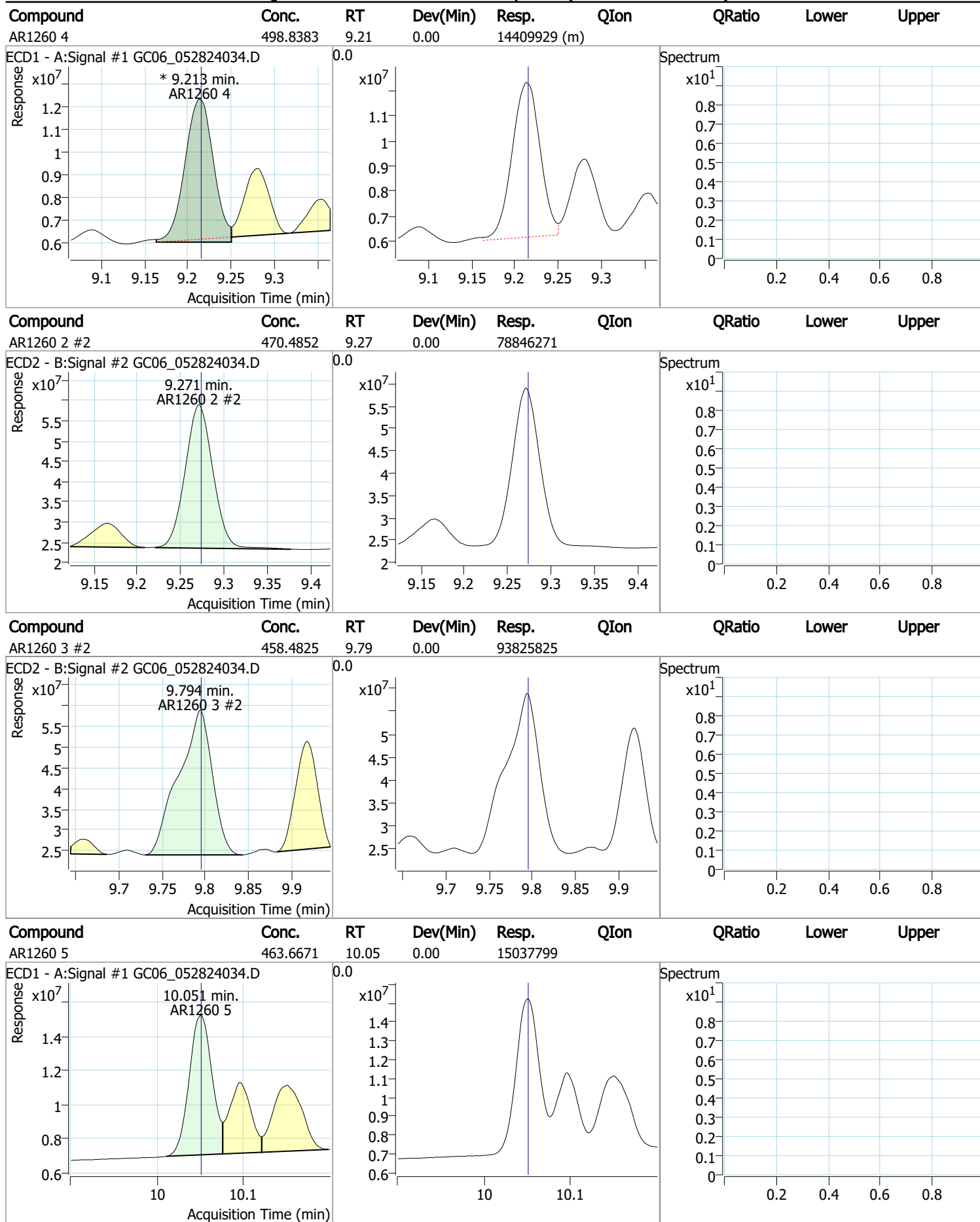
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	461.6273	8.54	0.00	25424498				



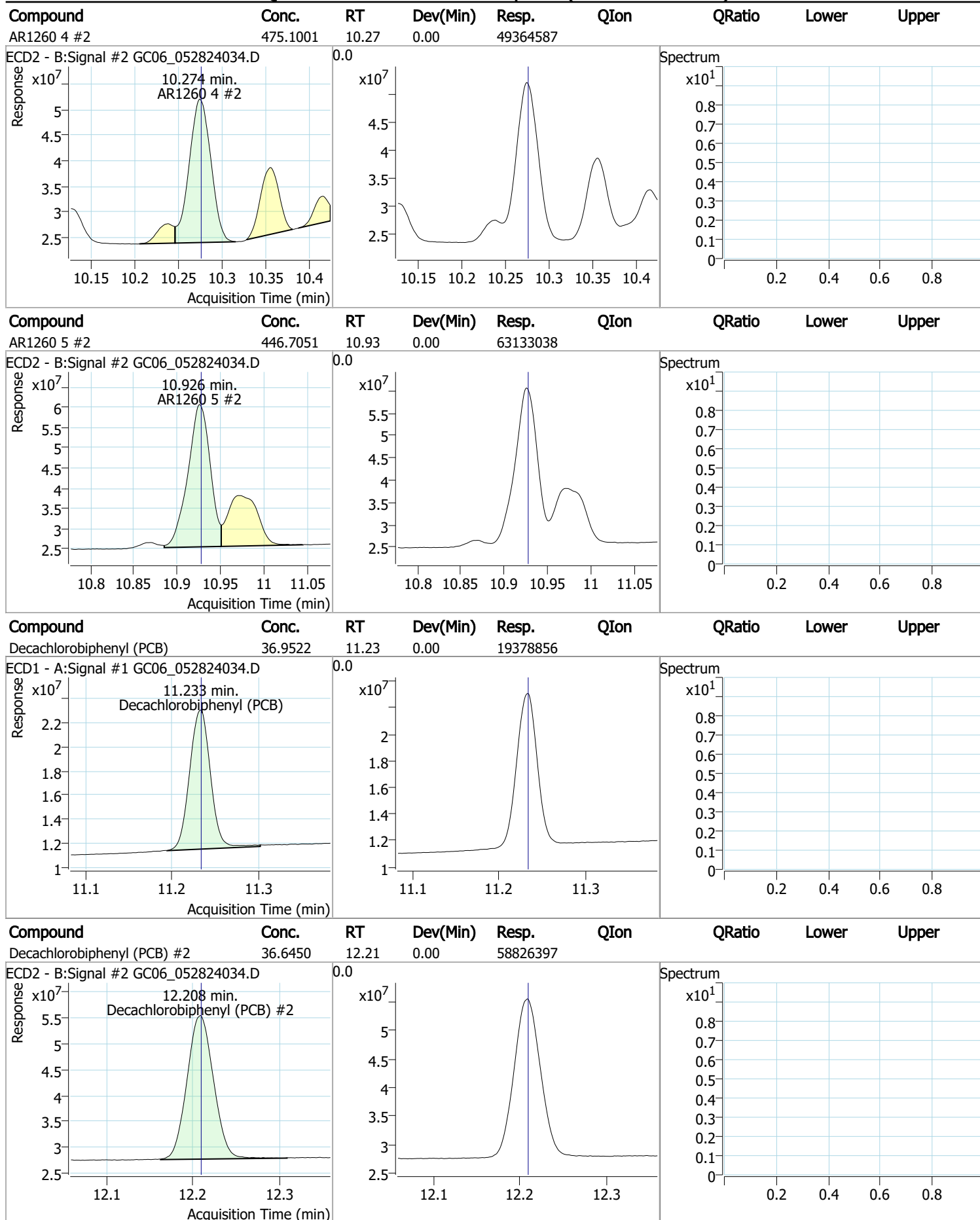
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	471.7164	8.90	0.00	69565130				



Quantitation Results Report (Not Reviewed)



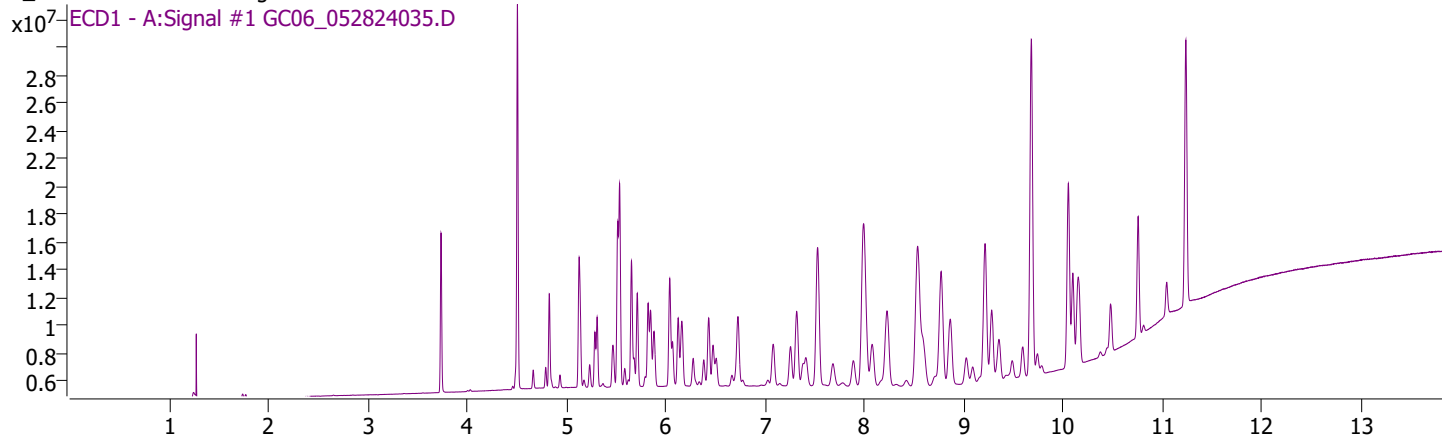
Quantitation Results Report (Not Reviewed)



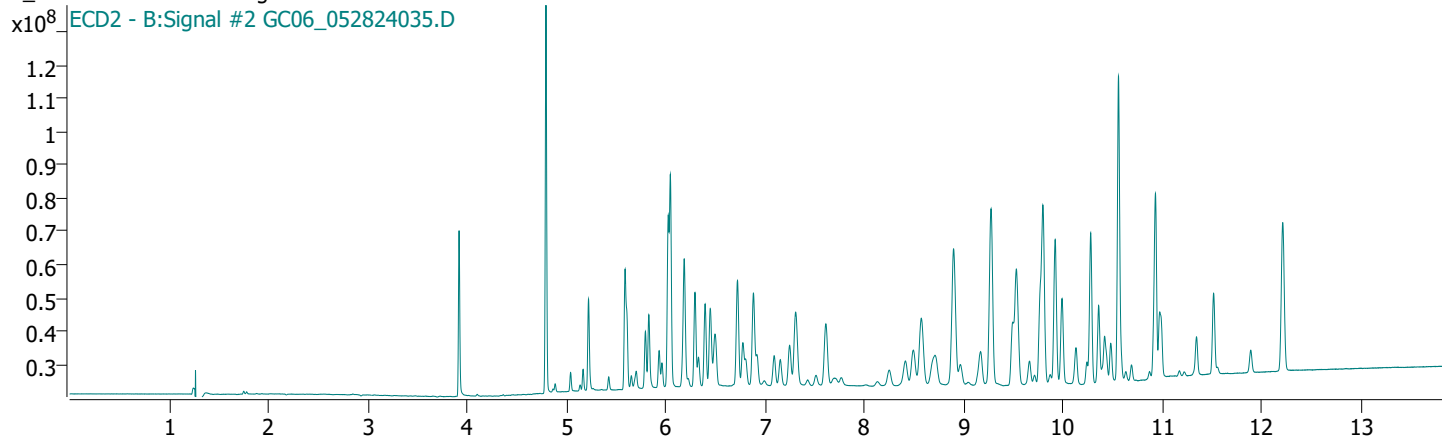
Quantitation Results Report (Not Reviewed)

Data File	GC06_052824035.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	5/28/2024 9:49:23 PM
Sample Name	ICAL, S20232	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_01.m	Comment	750 ppb PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	052824-PCB-ICAL.batch.bin	Last Calib Update	5/29/2024 8:08:32 AM
Ref Library			

GC06_052824035.D No MS Signals



GC06_052824035.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.738	0.0	10522877.9 55	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.919	0.0	48012207.1 61	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.506	0.0	27221498.3 74	55.9699	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 279.85%	*	
S TCMX (PCB) #2	4.793	0.0	115078666. 506	54.3832	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 271.92%	*	
S Decachlorobiphenyl (PCB)	11.233	0.0	31715817.8 15	55.8810	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 279.41%	*	
S Decachlorobiphenyl (PCB) #2	12.207	0.0	94056061.3 02	54.2441	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 271.22%	*	

Target Compounds

QValue

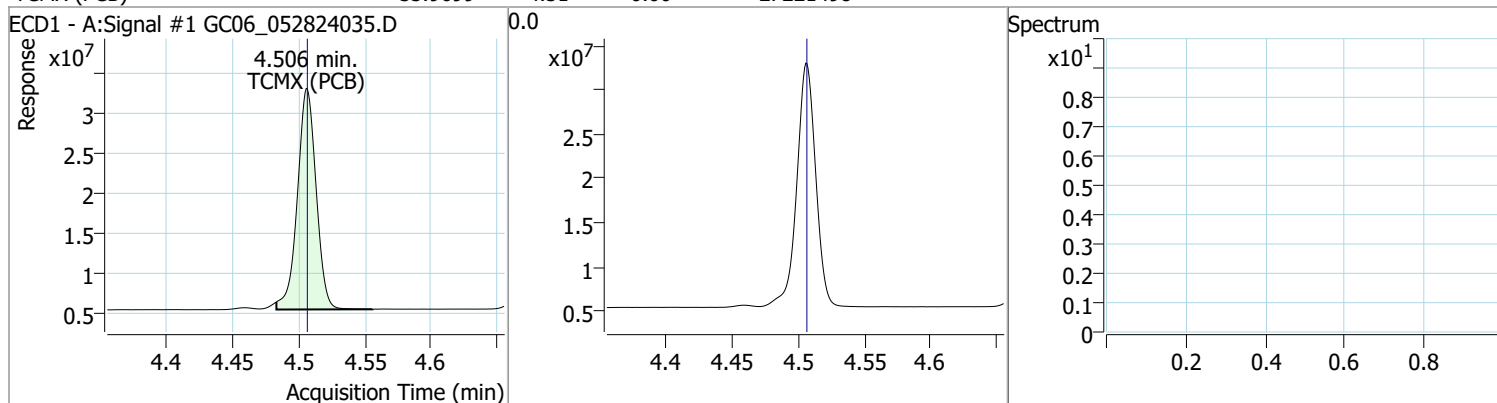
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.827	0.0	7323912.58 2	709.1278	ng/ml	100
T AR1016 2	5.128	0.0	13946735.3 91	691.4309	ng/ml	100
T AR1016 1 #2	5.222	0.0	33136954.2 86	685.7231	ng/ml	100
T AR1016 3	5.534	0.0	17502944.9 43	637.5989	ng/ml m	100
T AR1016 2 #2	5.590	0.0	67559630.2 55	666.4000	ng/ml	100
T AR1016 4	5.654	0.0	11580017.7 97	700.0251	ng/ml	100
T AR1016 5	6.039	0.0	10927711.9 33	694.6994	ng/ml	100
T AR1016 3 #2	6.045	0.0	87902296.9 53	668.9213	ng/ml	100
T AR1016 4 #2	6.185	0.0	64746452.3 06	669.8991	ng/ml m	100
T AR1016 5 #2	6.721	0.0	54713594.3 92	668.6935	ng/ml	100
T AR1260 1	7.527	0.0	22495366.2 74	680.9596	ng/ml	100
T AR1260 2	7.990	0.0	35704579.1 37	685.0455	ng/ml	100
T AR1260 3	8.533	0.0	40321887.5 75	676.4826	ng/ml	100
T AR1260 1 #2	8.895	0.0	108374227. 174	680.3593	ng/ml	100
T AR1260 4	9.212	0.0	22677628.3 92	725.3912	ng/ml m	100
T AR1260 2 #2	9.273	0.0	123543914. 688	682.5102	ng/ml	100
T AR1260 3 #2	9.793	0.0	147591570. 800	667.7055	ng/ml	100
T AR1260 5	10.050	0.0	24790699.6 35	706.2973	ng/ml m	100
T AR1260 4 #2	10.275	0.0	77659047.4 15	691.9659	ng/ml	100
T AR1260 5 #2	10.927	0.0	101117413. 079	662.3890	ng/ml	100

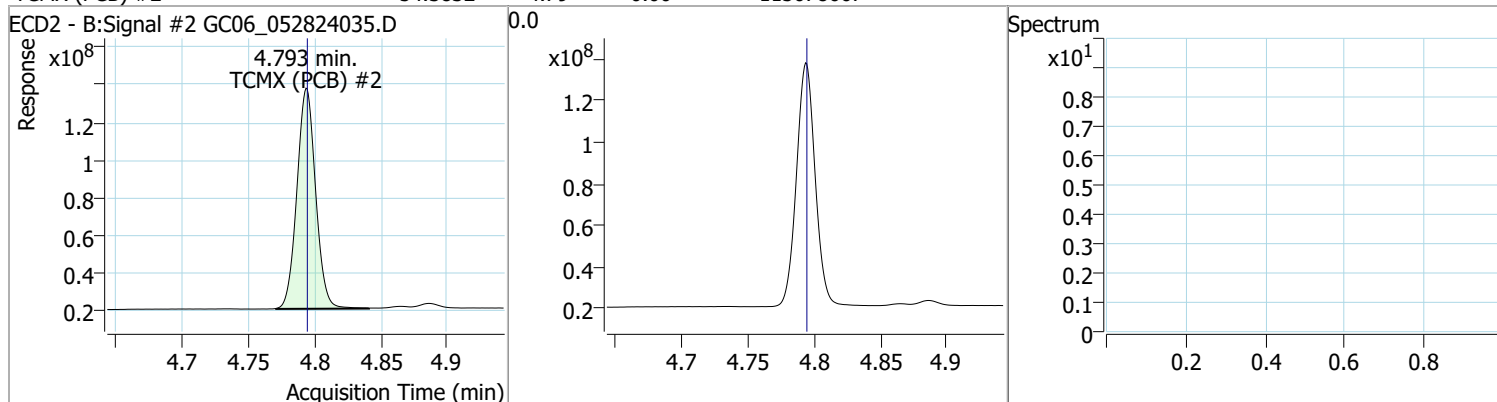
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

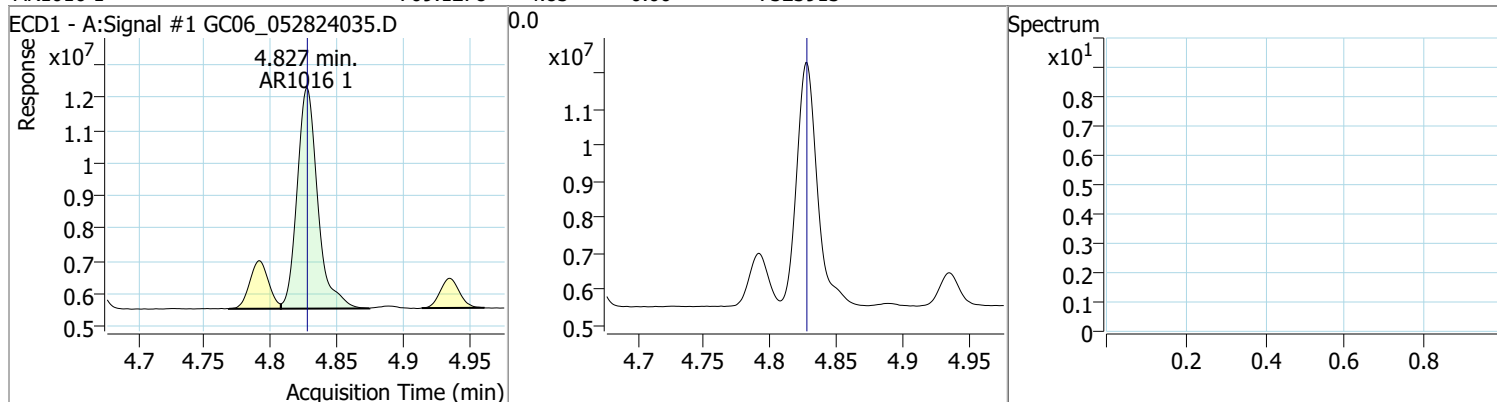
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	55.9699	4.51	0.00	27221498				



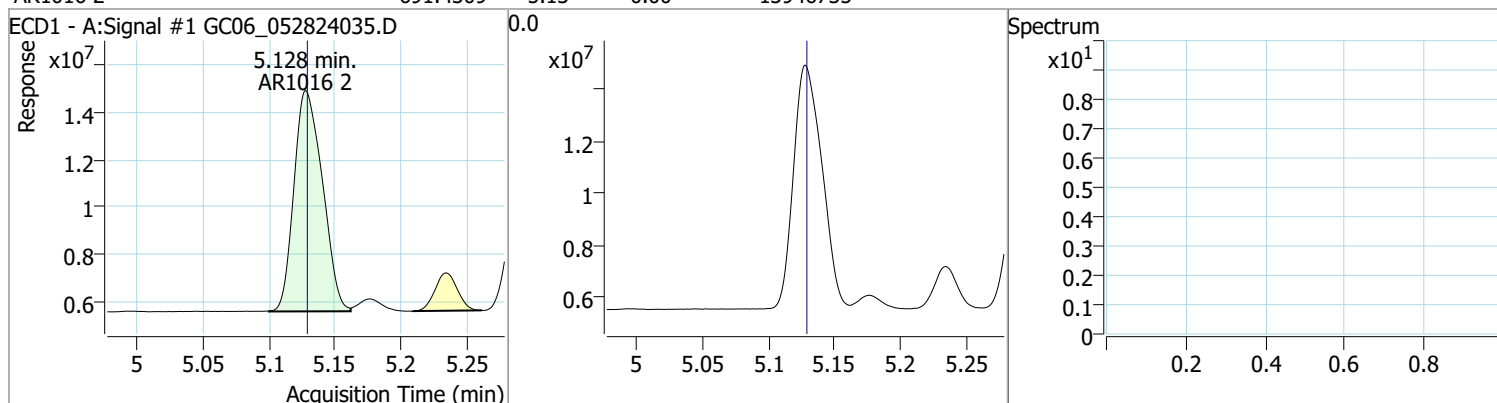
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	54.3832	4.79	0.00	115078667				



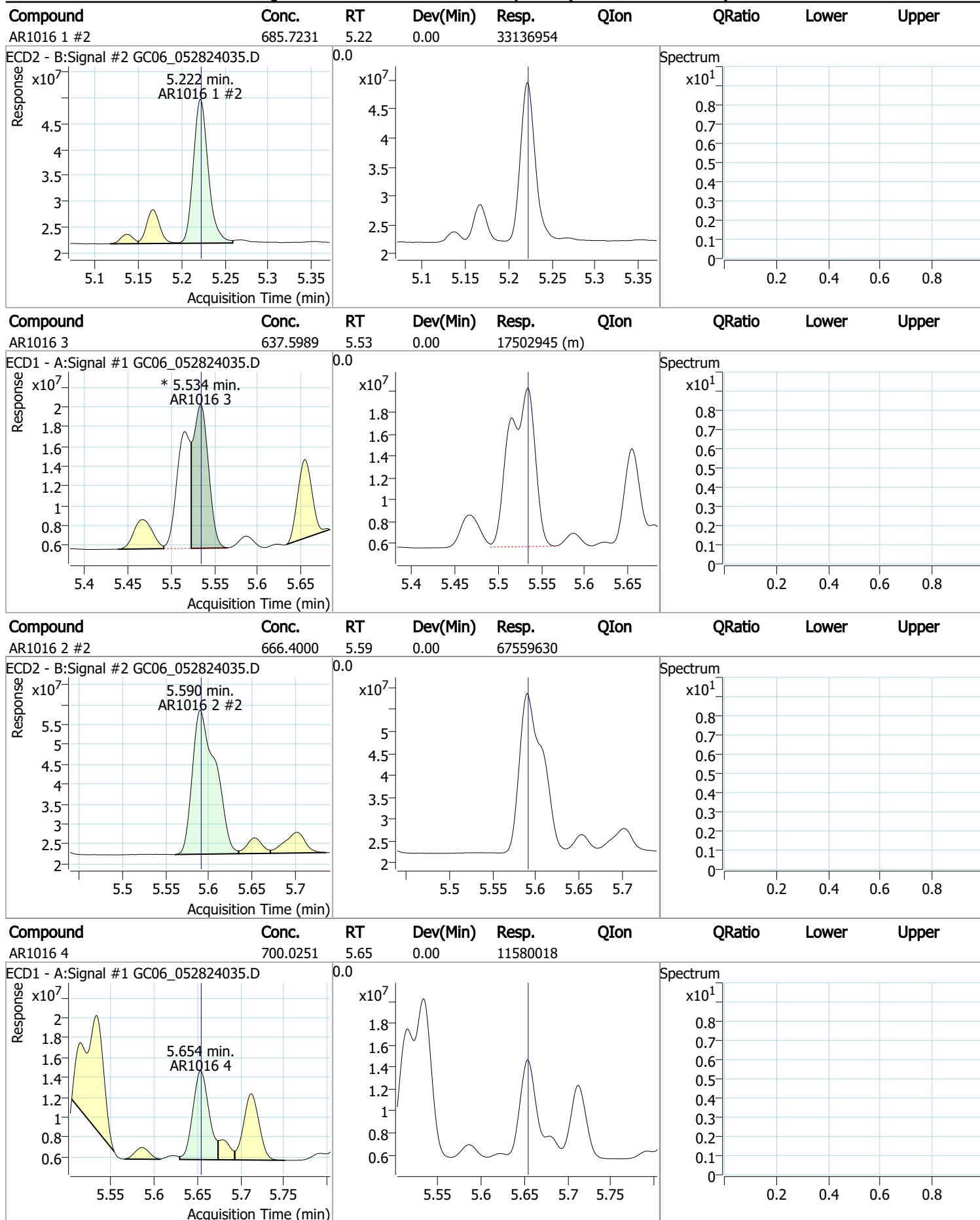
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	709.1278	4.83	0.00	7323913				



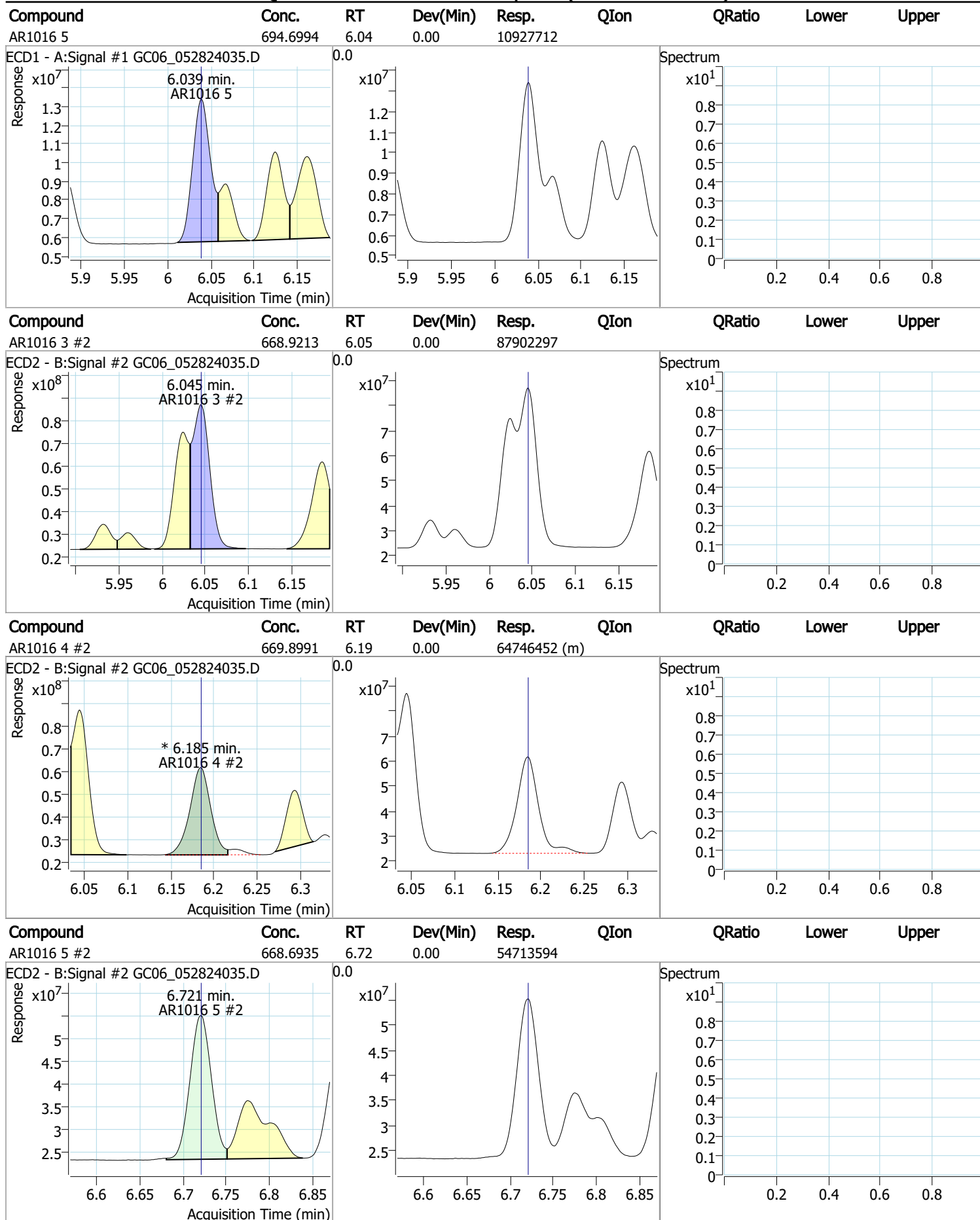
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	691.4309	5.13	0.00	13946735				



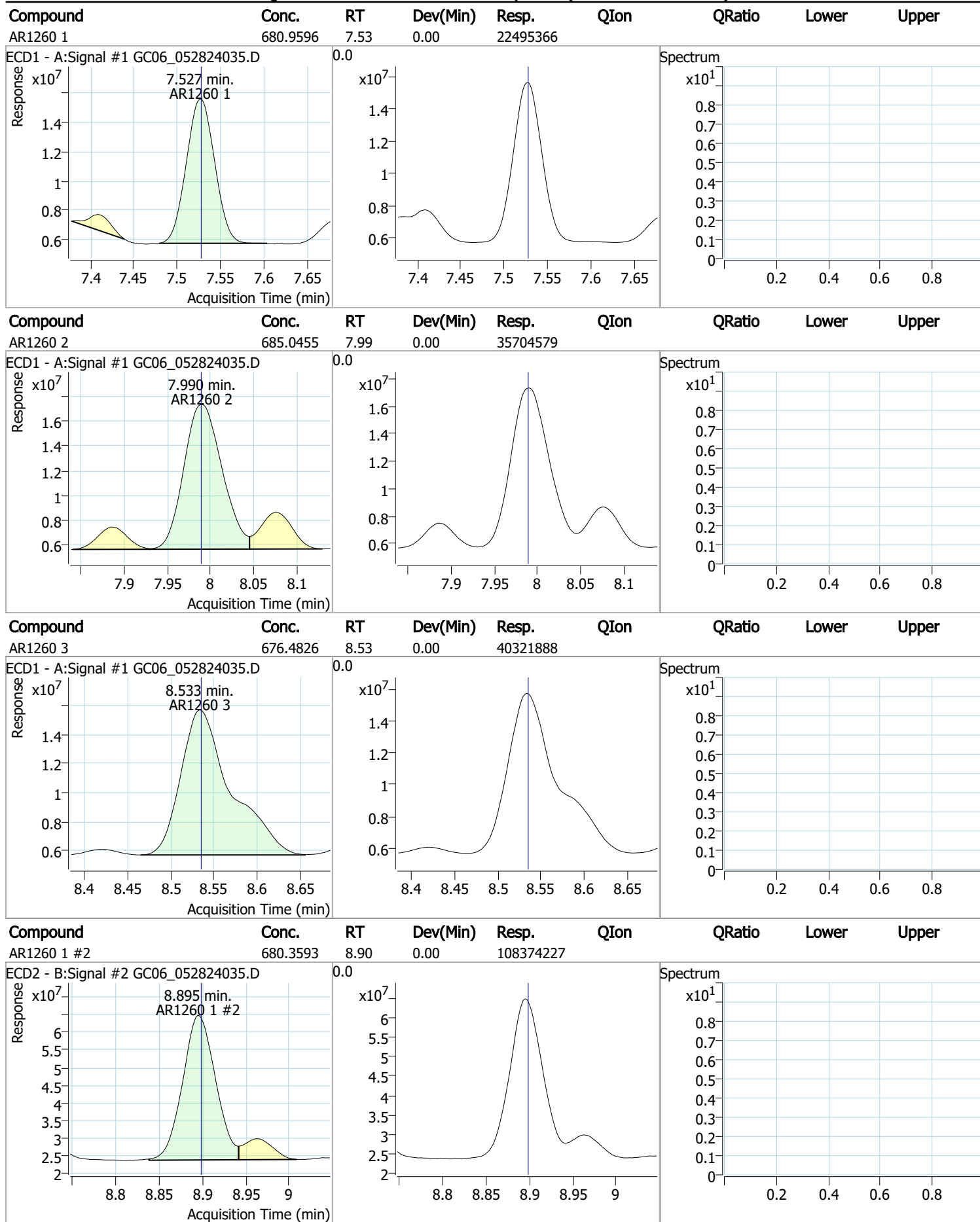
Quantitation Results Report (Not Reviewed)



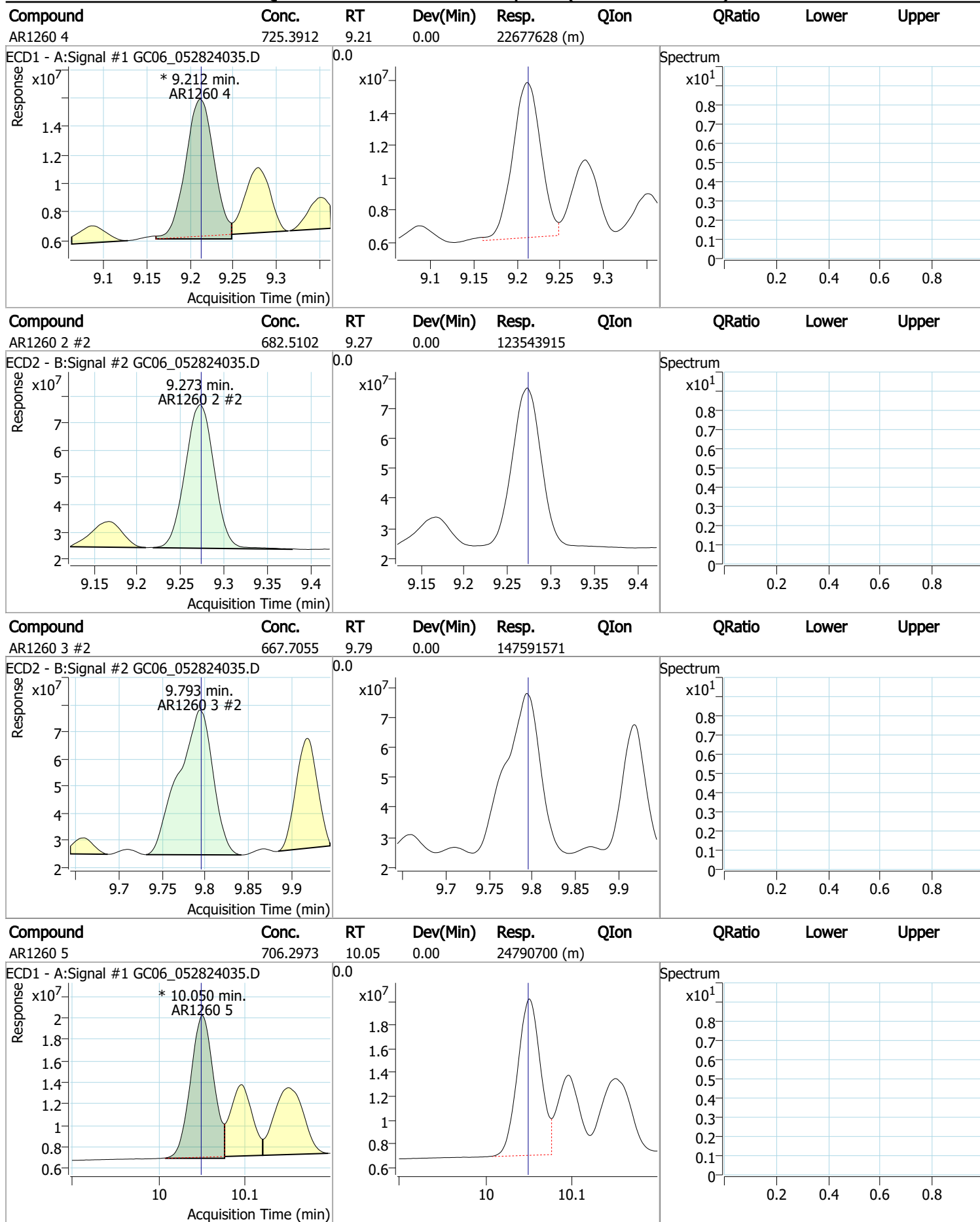
Quantitation Results Report (Not Reviewed)



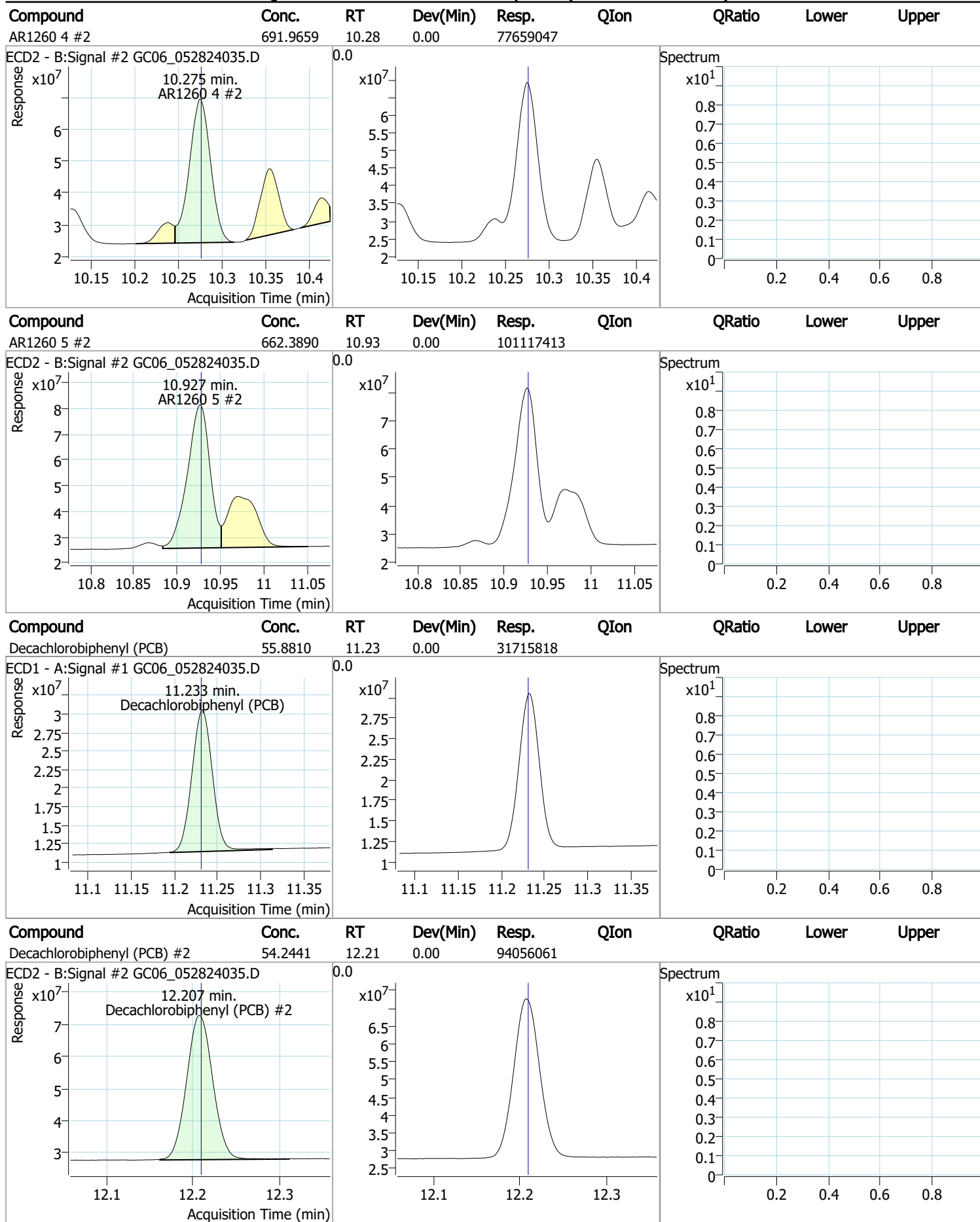
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

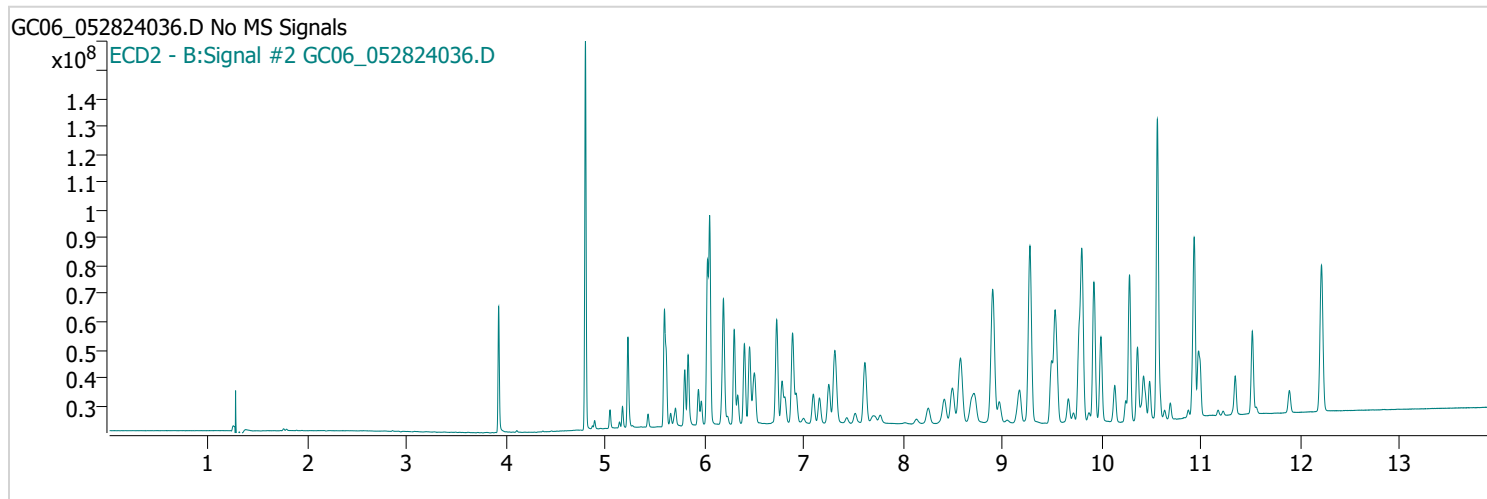
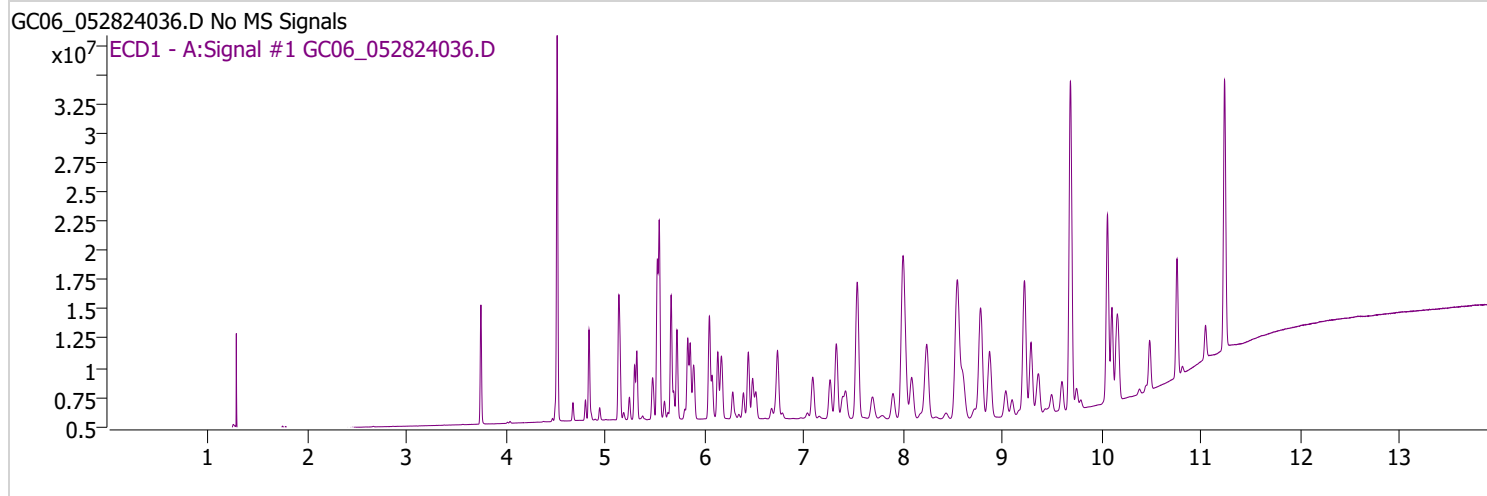


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC06_052824036.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	5/28/2024 10:09:25 PM
Sample Name	ICAL, S20233	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_01.m	Comment	1000 ppb PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	052824-PCB-ICAL.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.741	0.0	9524923.49 2	20.0000	ng/ml	0.002
M 1-bromo-2-nitrobenzene (PCB) #2	3.920	0.0	43205813.1 33	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.509	0.0	31992762.5 05	72.6720	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 363.36%	*	
S TCMX (PCB) #2	4.794	0.0	136017511. 624	71.4290	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 357.14%	*	
S Decachlorobiphenyl (PCB)	11.233	0.0	37932261.6 41	73.8364	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 369.18%	*	
S Decachlorobiphenyl (PCB) #2	12.209	0.0	110437210. 576	70.7768	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 353.88%	*	

Target Compounds

QValue

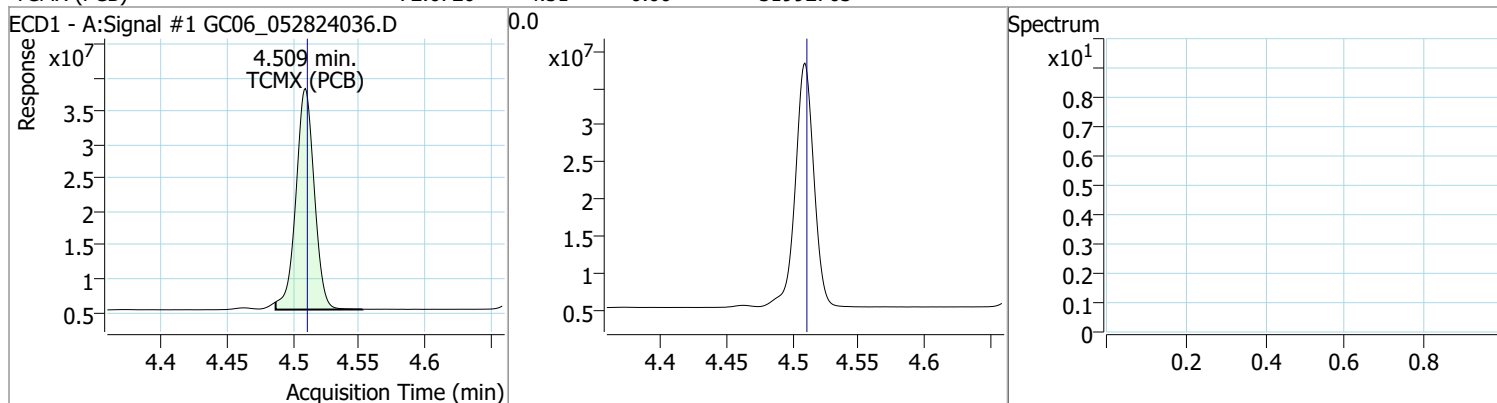
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.830	0.0	8496445.66 0	908.8488	ng/ml	100
T AR1016 2	5.131	0.0	16081295.0 07	880.7858	ng/ml	100
T AR1016 1 #2	5.223	0.0	38237495.0 72	879.2960	ng/ml	100
T AR1016 3	5.538	0.0	20960032.4 70	843.5317	ng/ml m	100
T AR1016 2 #2	5.590	0.0	77623042.0 40	850.8400	ng/ml	100
T AR1016 4	5.658	0.0	13405987.4 11	895.3158	ng/ml	100
T AR1016 5	6.043	0.0	12745875.9 69	895.1801	ng/ml	100
T AR1016 3 #2	6.045	0.0	103176152. 079	872.4963	ng/ml	100
T AR1016 4 #2	6.184	0.0	74697347.5 55	858.8317	ng/ml m	100
T AR1016 5 #2	6.721	0.0	63936134.8 38	868.3358	ng/ml	100
T AR1260 1	7.532	0.0	26462266.4 84	884.9696	ng/ml	100
T AR1260 2	7.994	0.0	41459210.9 06	878.7990	ng/ml	100
T AR1260 3	8.542	0.0	47116147.5 75	873.2902	ng/ml	100
T AR1260 1 #2	8.897	0.0	126352784. 347	881.4682	ng/ml	100
T AR1260 4	9.217	0.0	26432067.1 45	934.0687	ng/ml m	100
T AR1260 2 #2	9.273	0.0	142955032. 422	877.6002	ng/ml	100
T AR1260 3 #2	9.794	0.0	173240572. 059	870.9285	ng/ml m	100
T AR1260 5	10.053	0.0	29225580.4 96	919.8879	ng/ml m	100
T AR1260 4 #2	10.276	0.0	91134431.0 05	902.3699	ng/ml	100
T AR1260 5 #2	10.927	0.0	118456206. 570	862.2923	ng/ml	100

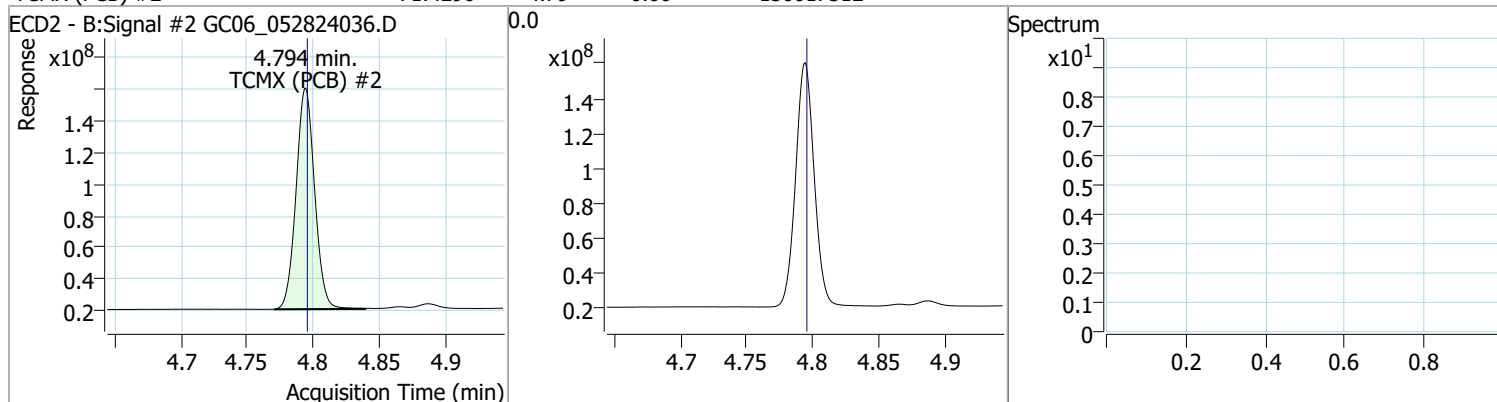
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

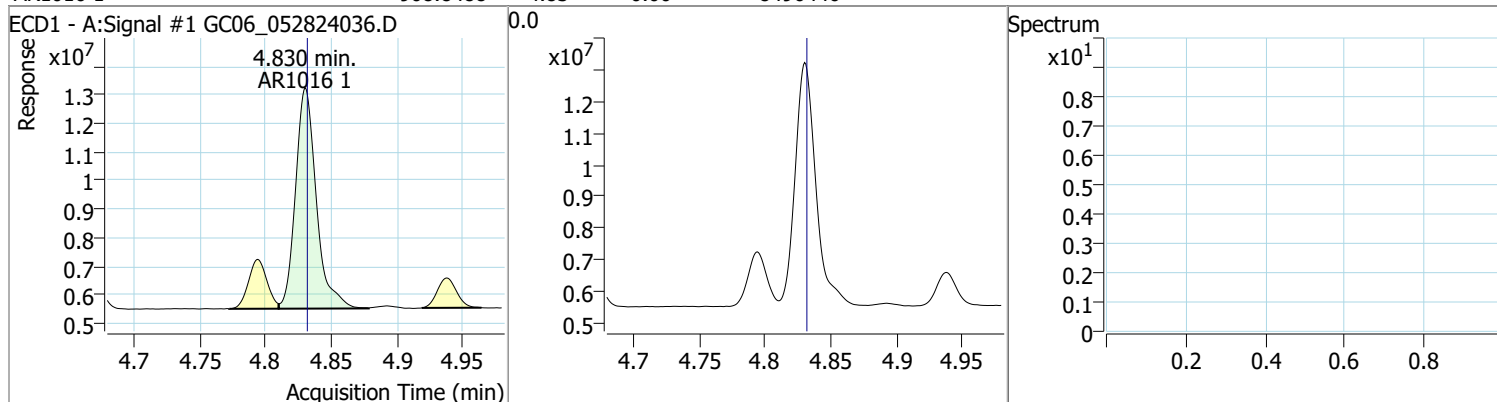
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	72.6720	4.51	0.00	31992763				



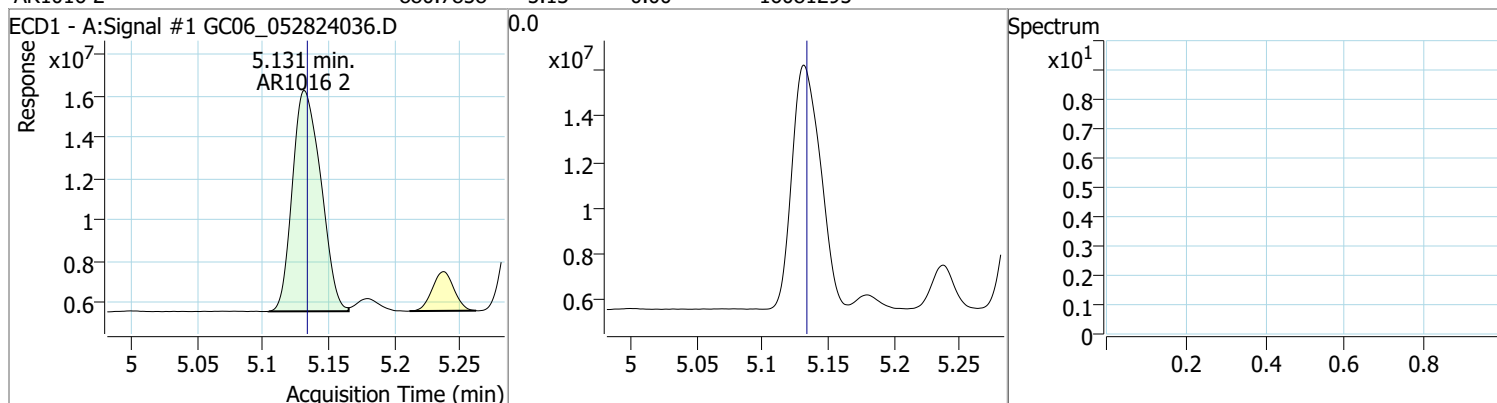
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	71.4290	4.79	0.00	136017512				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	908.8488	4.83	0.00	8496446				

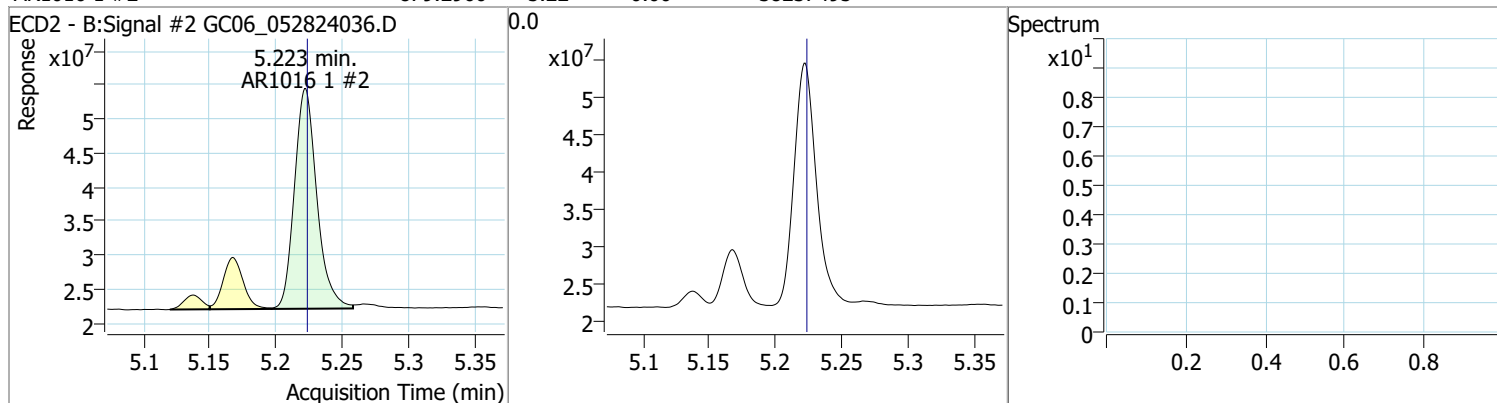


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	880.7858	5.13	0.00	16081295				

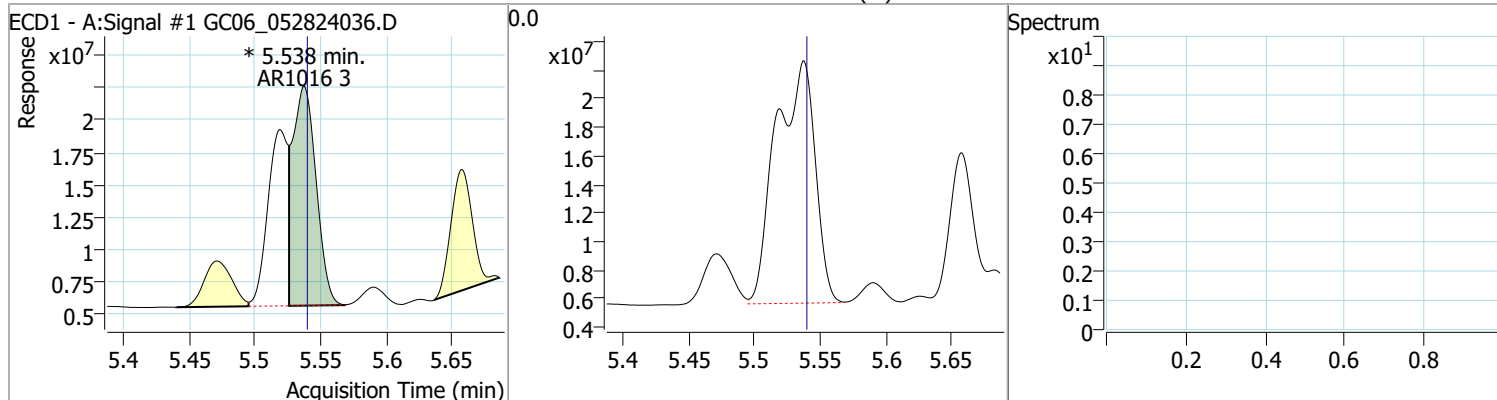


Quantitation Results Report (Not Reviewed)

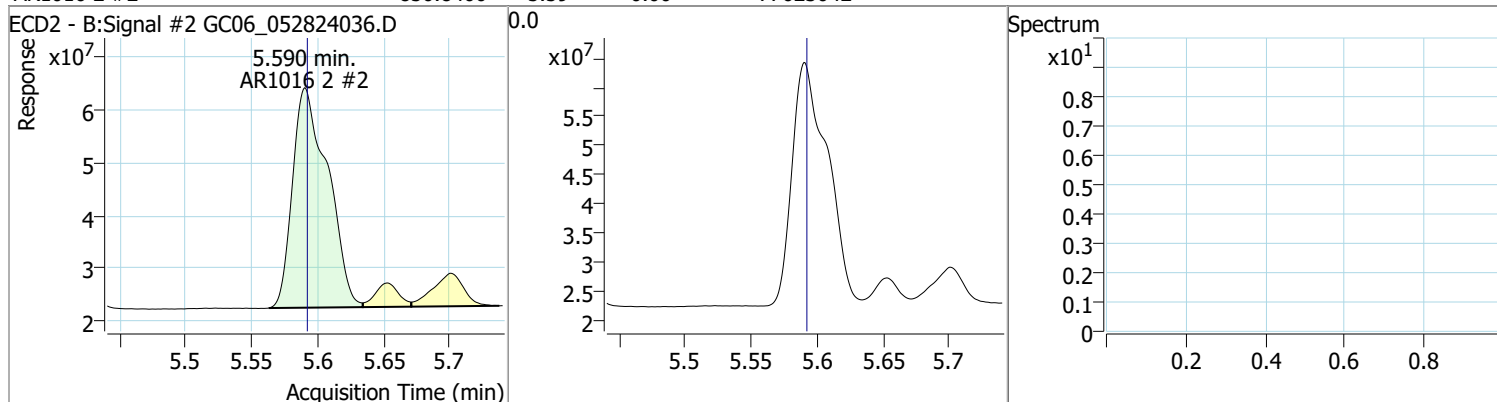
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	879.2960	5.22	0.00	38237495				



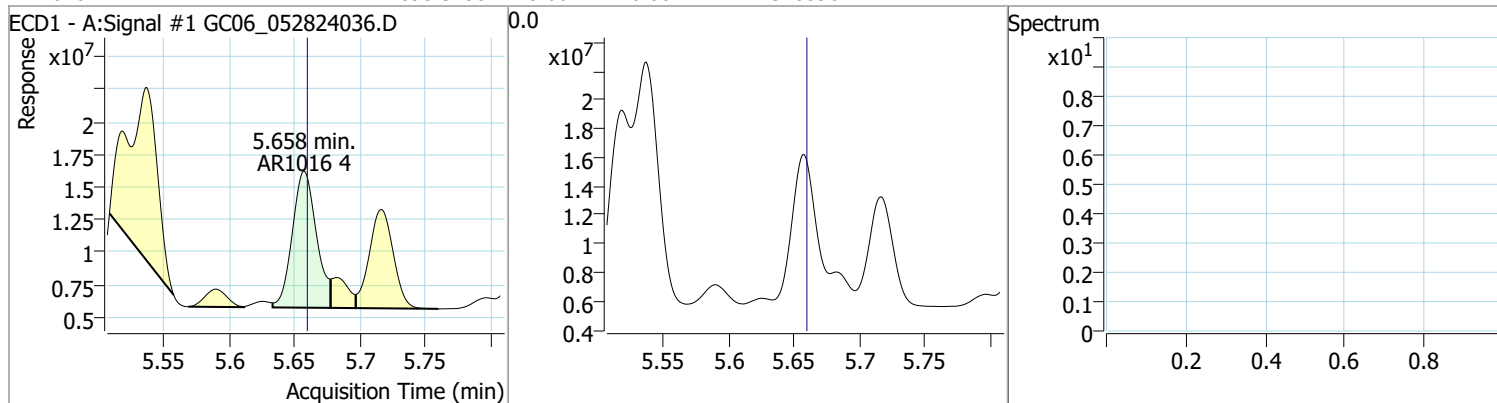
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	843.5317	5.54	0.00	20960032 (m)				



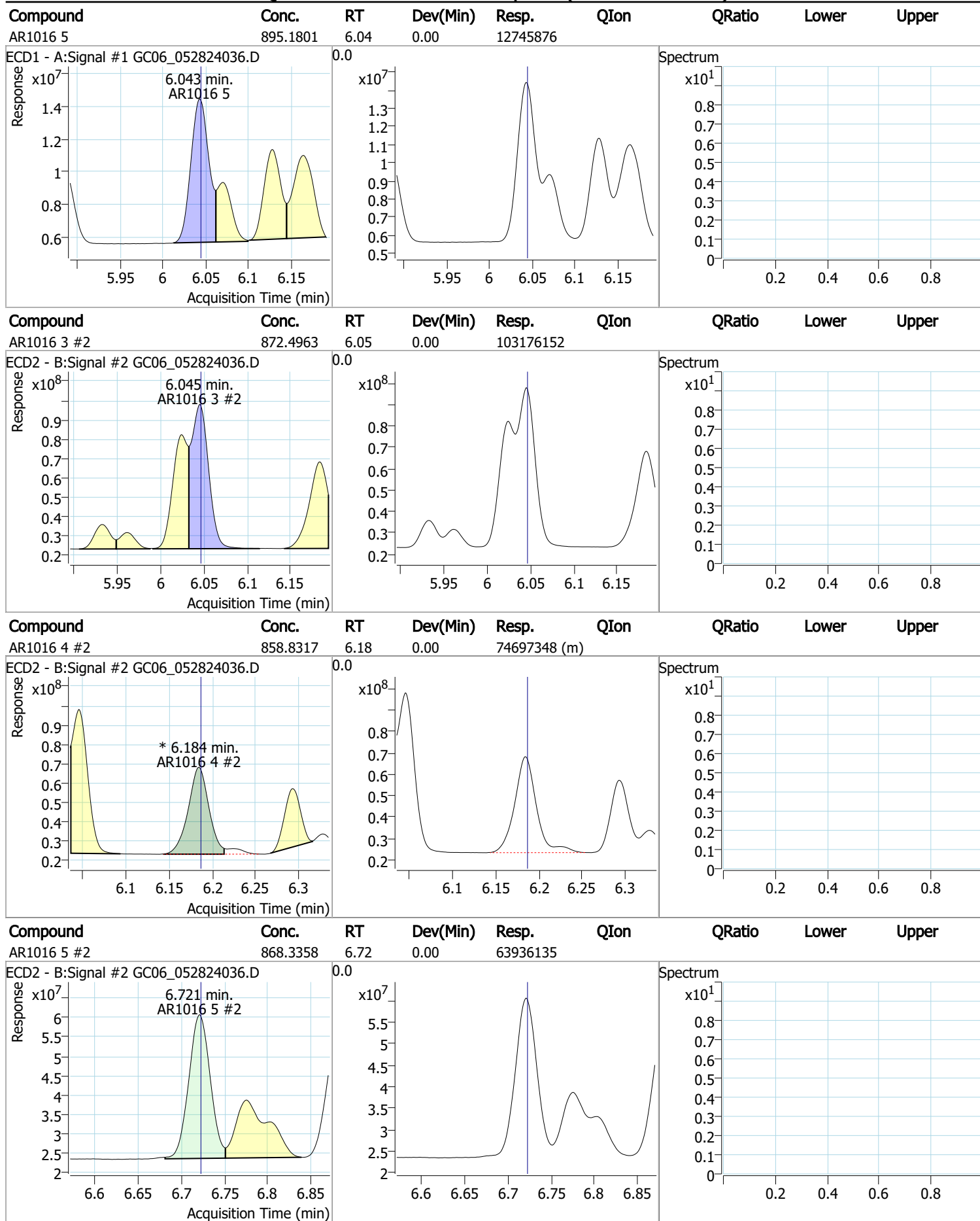
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	850.8400	5.59	0.00	77623042				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	895.3158	5.66	0.00	13405987				

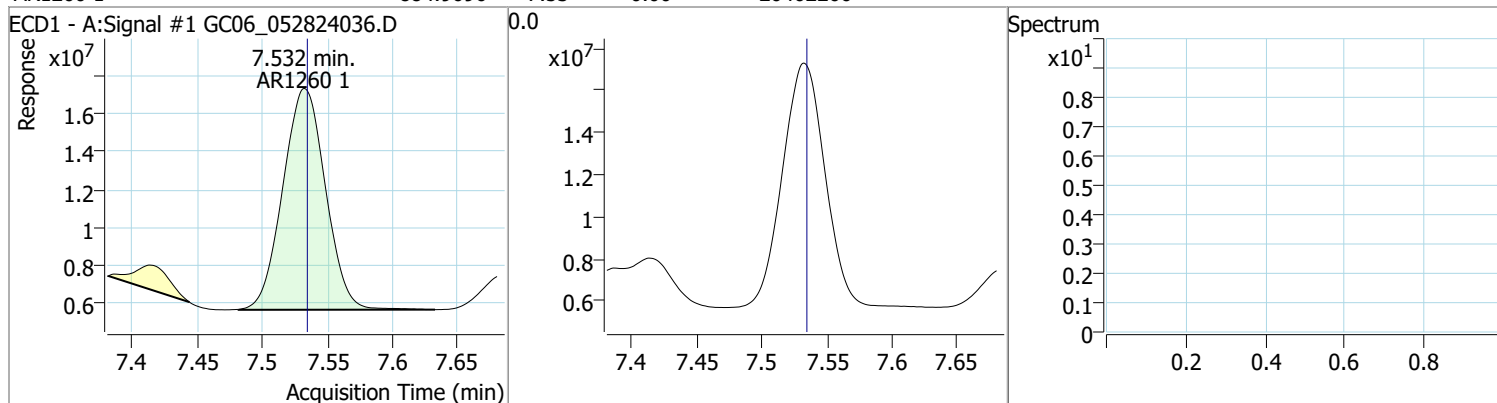


Quantitation Results Report (Not Reviewed)

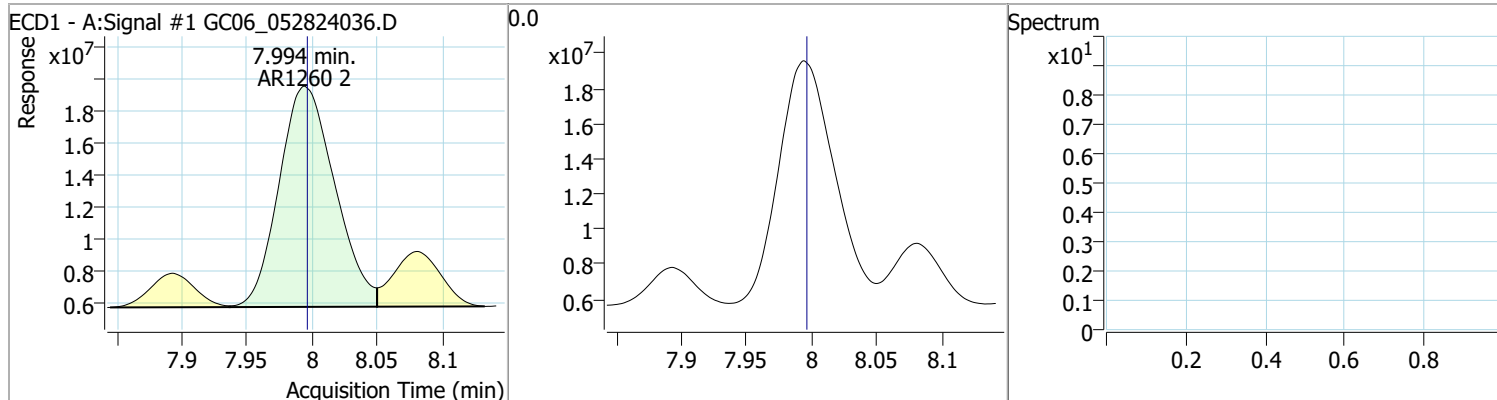


Quantitation Results Report (Not Reviewed)

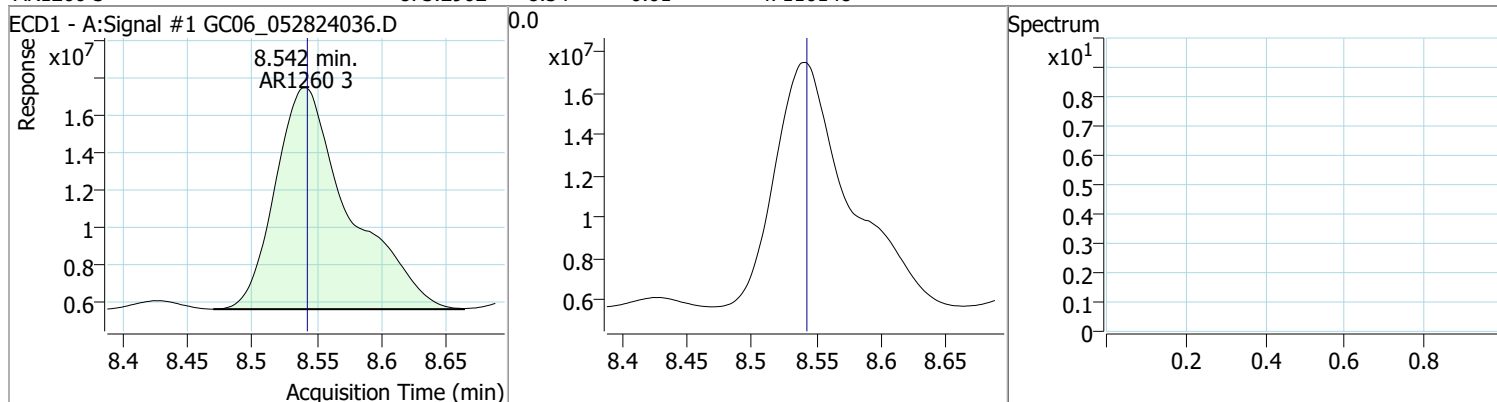
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	884.9696	7.53	0.00	26462266				



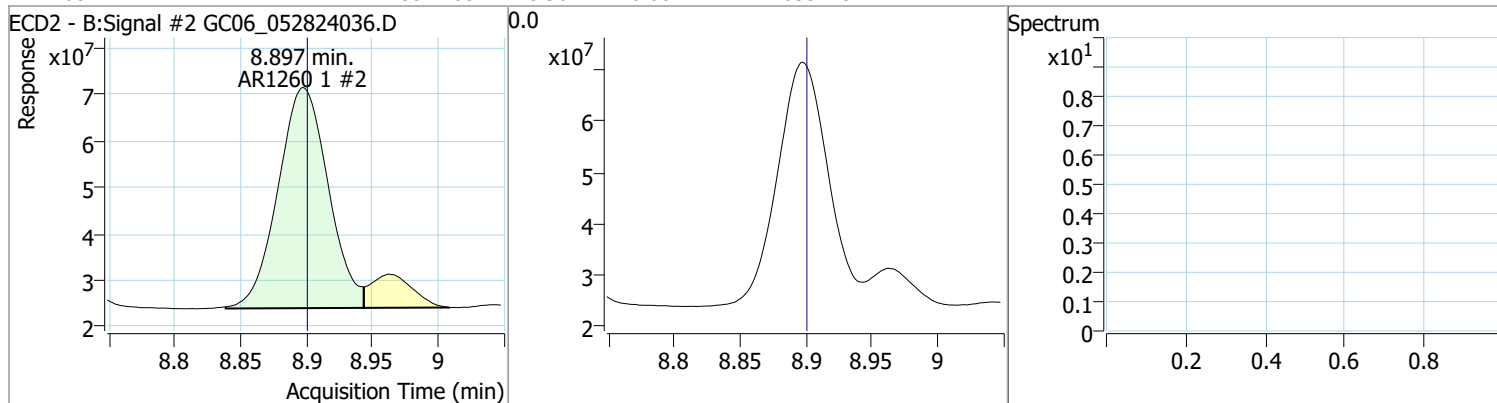
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	878.7990	7.99	0.00	41459211				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	873.2902	8.54	0.01	47116148				

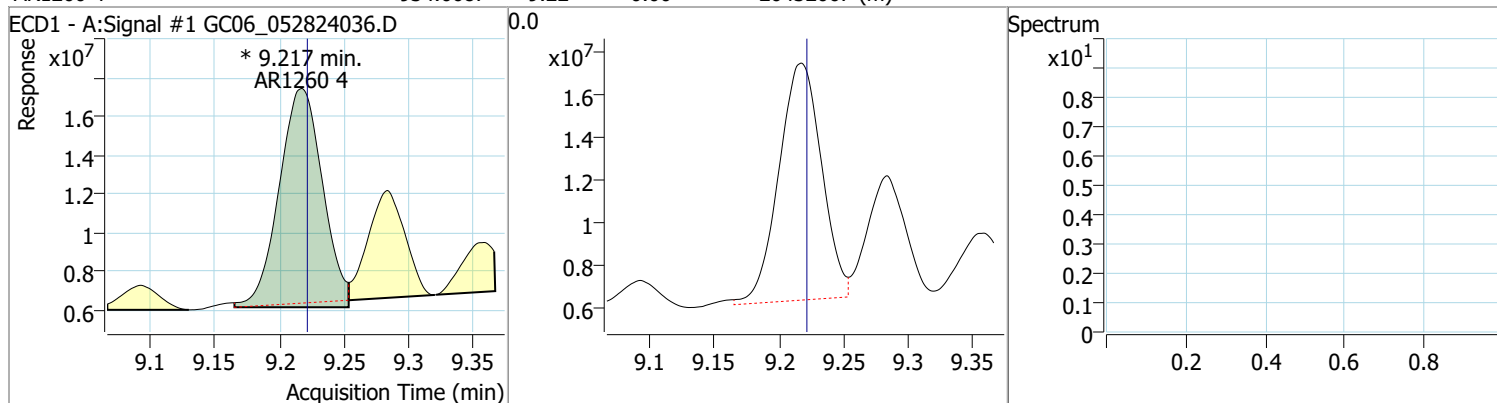


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	881.4682	8.90	0.00	126352784				

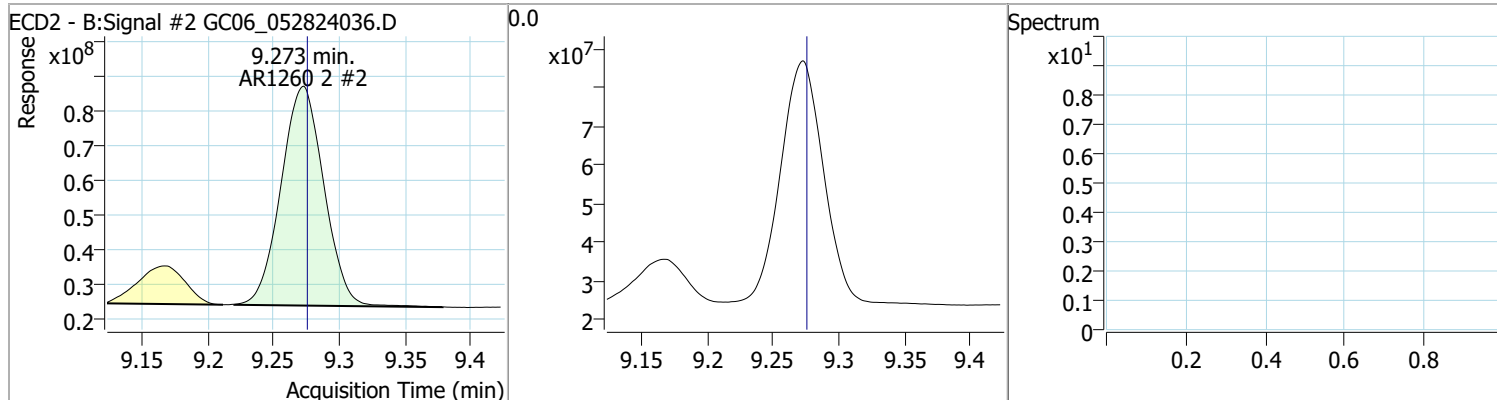


Quantitation Results Report (Not Reviewed)

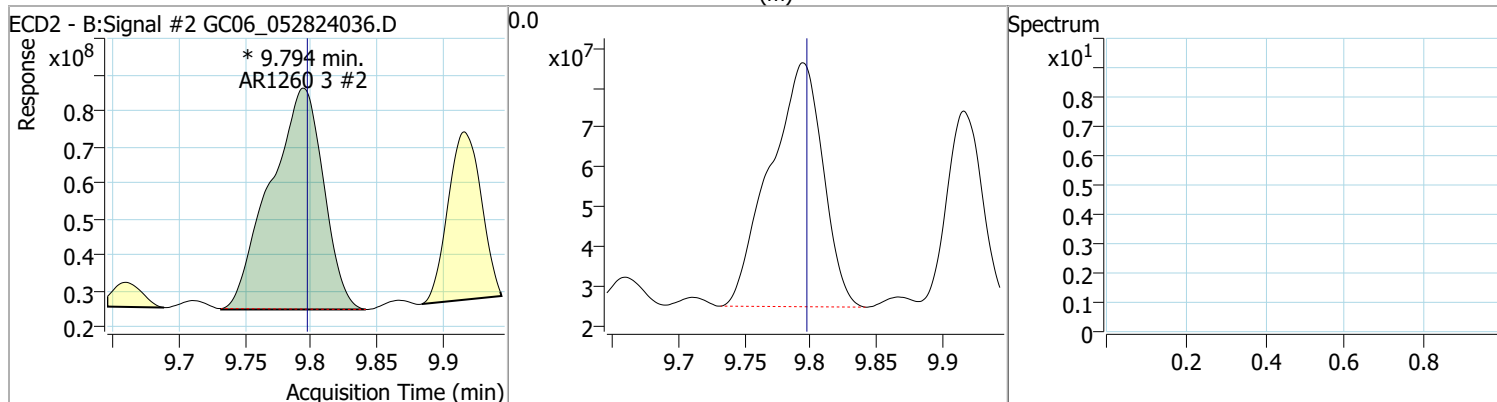
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	934.0687	9.22	0.00	26432067 (m)				



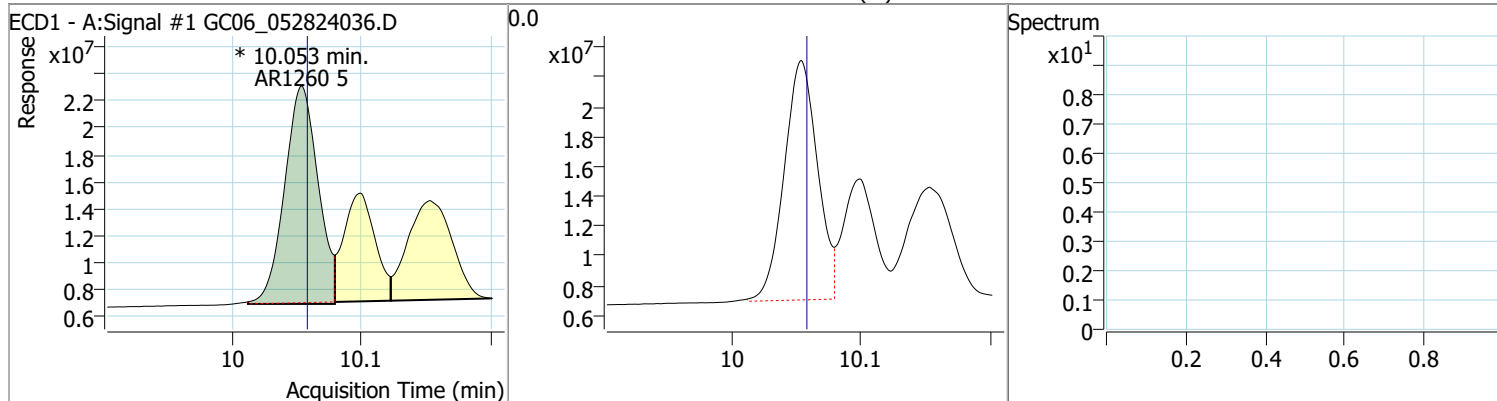
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	877.6002	9.27	0.00	142955032				



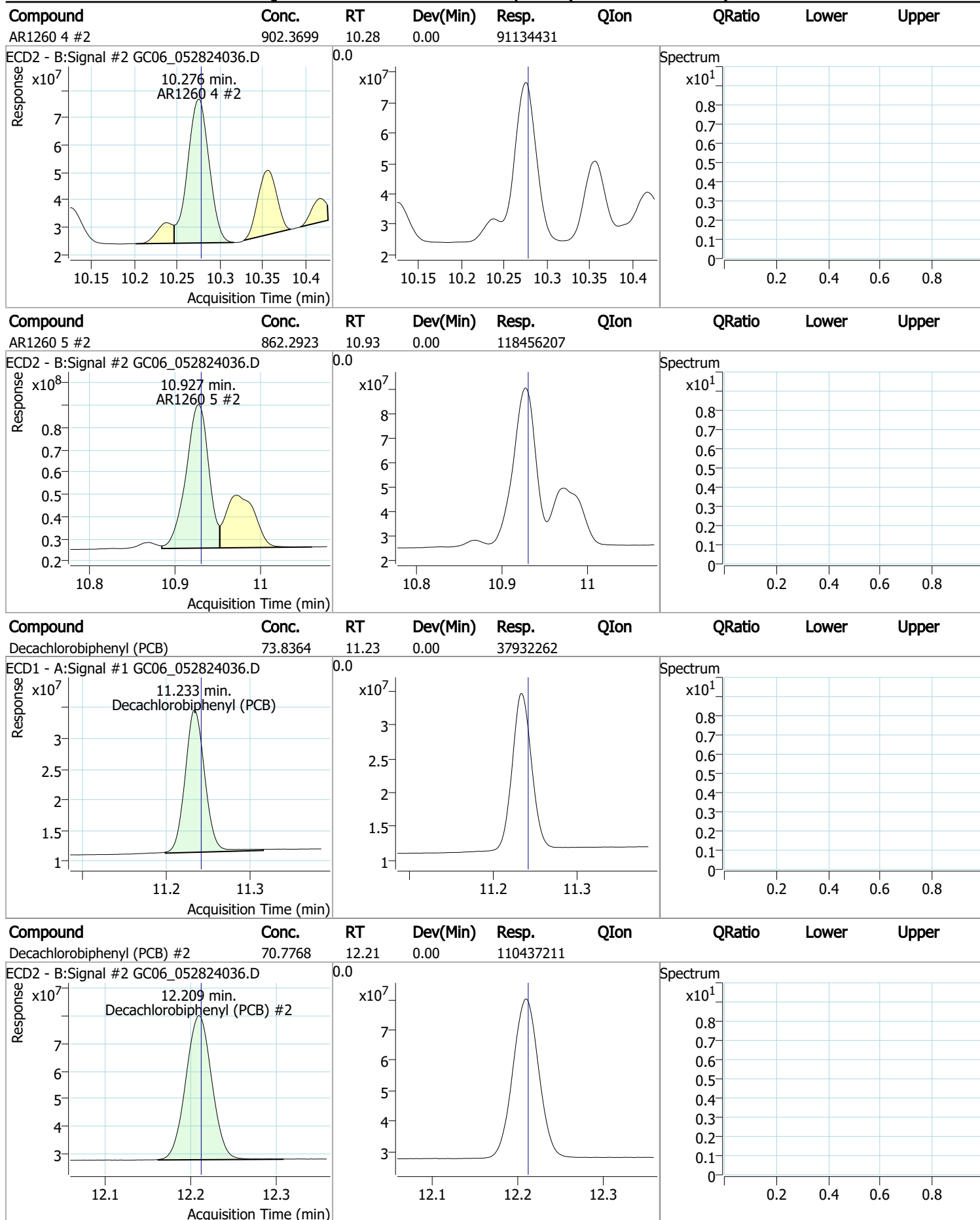
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	870.9285	9.79	0.00	173240572 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	919.8879	10.05	0.00	29225580 (m)				



Quantitation Results Report (Not Reviewed)

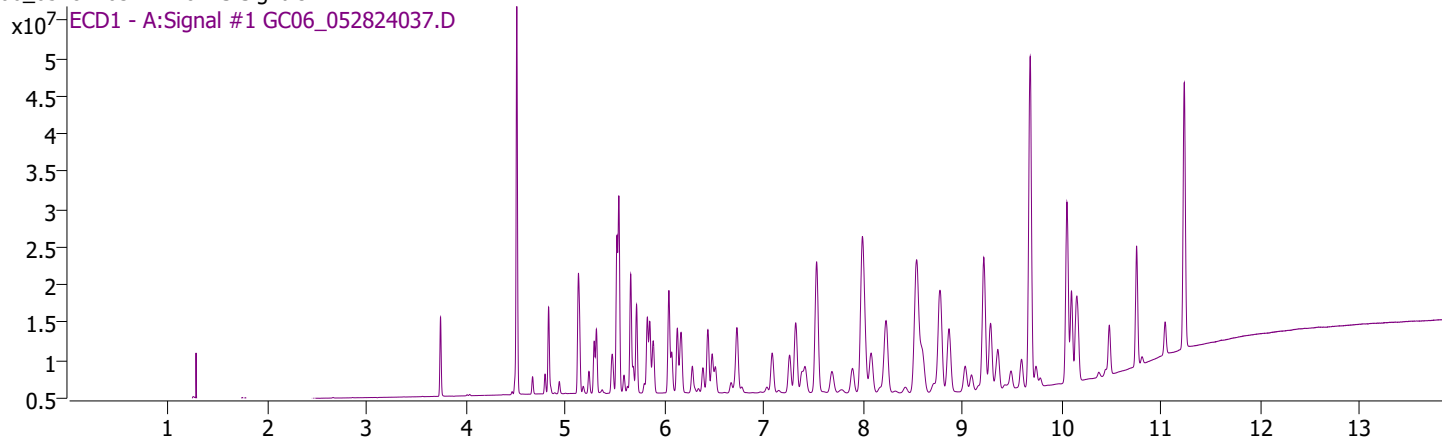


Quantitation Results Report (Not Reviewed)

Data File	GC06_052824037.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	5/28/2024 10:28:04 PM
Sample Name	ICAL, S20234	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_01.m	Comment	1500 ppb PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	052824-PCB-ICAL.batch.bin	Last Calib Update	5/29/2024 8:08:32 AM
Ref Library			

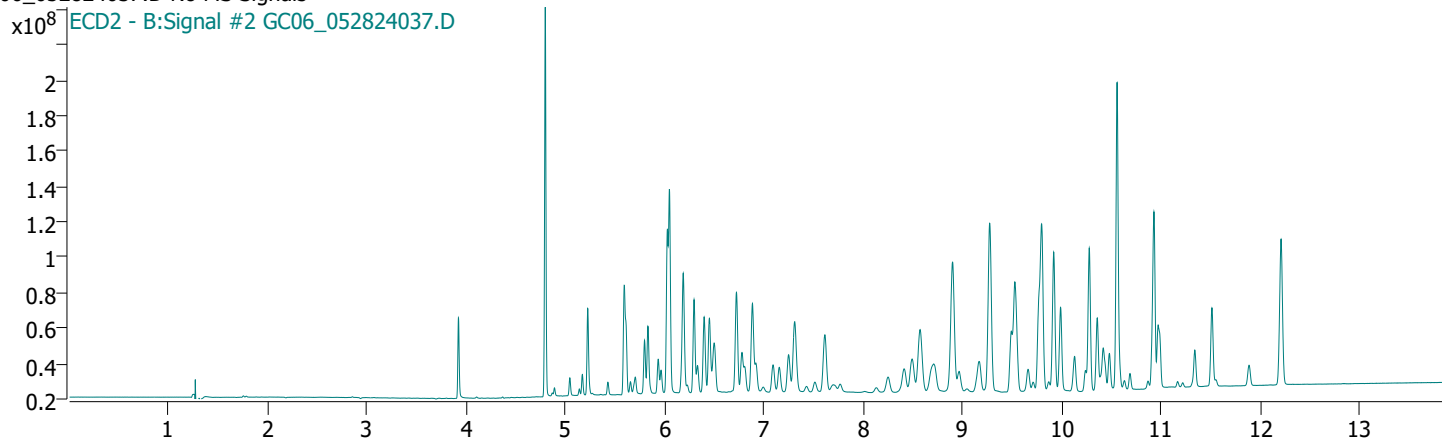
GC06_052824037.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_052824037.D



GC06_052824037.D No MS Signals

x10⁸ ECD2 - B:Signal #2 GC06_052824037.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.738	0.0	9746375.97 2	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.918	0.0	44746117.5 26	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.507	0.0	49806364.3 50	110.5652	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 552.83%	*	
S TCMX (PCB) #2	4.793	0.0	209431082. 254	106.1958	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 530.98%	*	
S Decachlorobiphenyl (PCB)	11.232	0.0	56891575.2 60	108.2251	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 541.13%	*	
S Decachlorobiphenyl (PCB) #2	12.207	0.0	166316386. 692	102.9194	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 514.60%	*	

Target Compounds

QValue

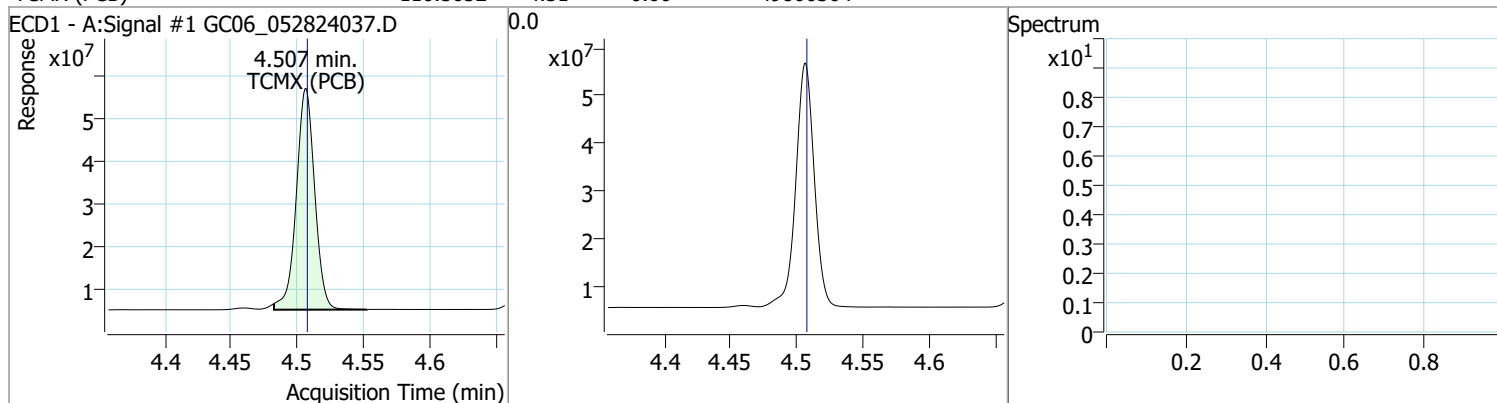
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.827	0.0	12676599.3 98	1325.1818	ng/ml	100
T AR1016 2	5.128	0.0	23846747.9 08	1276.4293	ng/ml	100
T AR1016 1 #2	5.221	0.0	57849550.6 09	1284.4952	ng/ml	100
T AR1016 3	5.534	0.0	31149727.6 55	1225.1297	ng/ml	100
T AR1016 2 #2	5.590	0.0	115619698. 316	1223.7026	ng/ml	100
T AR1016 4	5.654	0.0	19995690.1 85	1305.0651	ng/ml m	100
T AR1016 5	6.038	0.0	18905040.5 90	1297.5876	ng/ml	100
T AR1016 3 #2	6.044	0.0	157842105. 679	1288.8250	ng/ml	100
T AR1016 4 #2	6.183	0.0	113884057. 265	1264.3073	ng/ml	100
T AR1016 5 #2	6.719	0.0	96168266.8 00	1261.1303	ng/ml	100
T AR1260 1	7.528	0.0	38685860.6 18	1264.3634	ng/ml	100
T AR1260 2	7.989	0.0	61613711.9 95	1276.3336	ng/ml	100
T AR1260 3	8.535	0.0	70734754.3 50	1281.2681	ng/ml	100
T AR1260 1 #2	8.898	0.0	189881087. 158	1279.0583	ng/ml	100
T AR1260 4	9.212	0.0	39412834.8 41	1361.1428	ng/ml m	100
T AR1260 2 #2	9.271	0.0	215610309. 916	1278.0670	ng/ml	100
T AR1260 3 #2	9.794	0.0	263029504. 841	1276.8038	ng/ml m	100
T AR1260 5	10.049	0.0	44265582.2 66	1361.6212	ng/ml	100
T AR1260 4 #2	10.274	0.0	138059618. 361	1319.9443	ng/ml	100
T AR1260 5 #2	10.926	0.0	181179555. 076	1273.4817	ng/ml	100

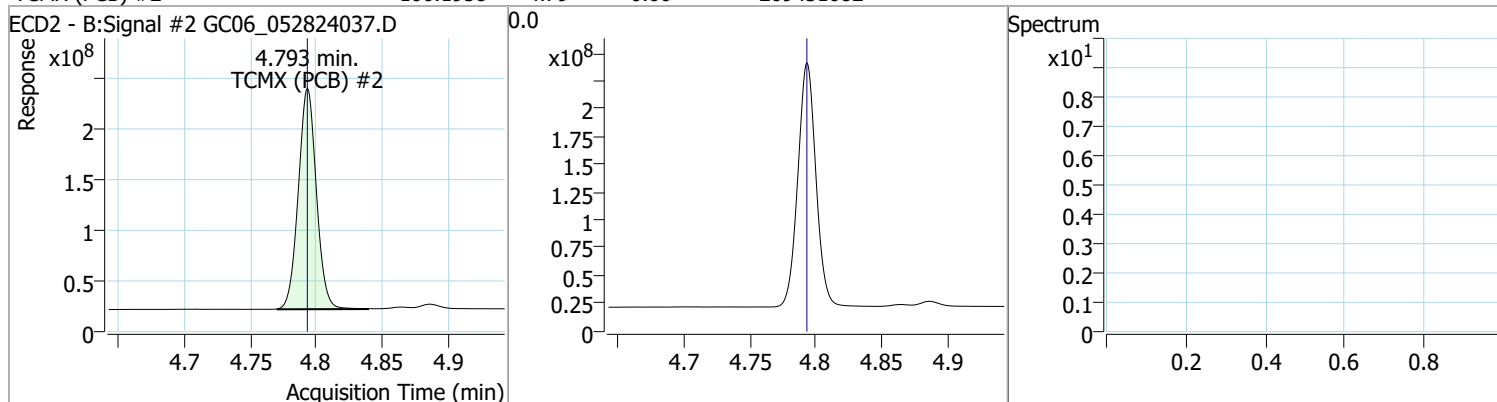
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

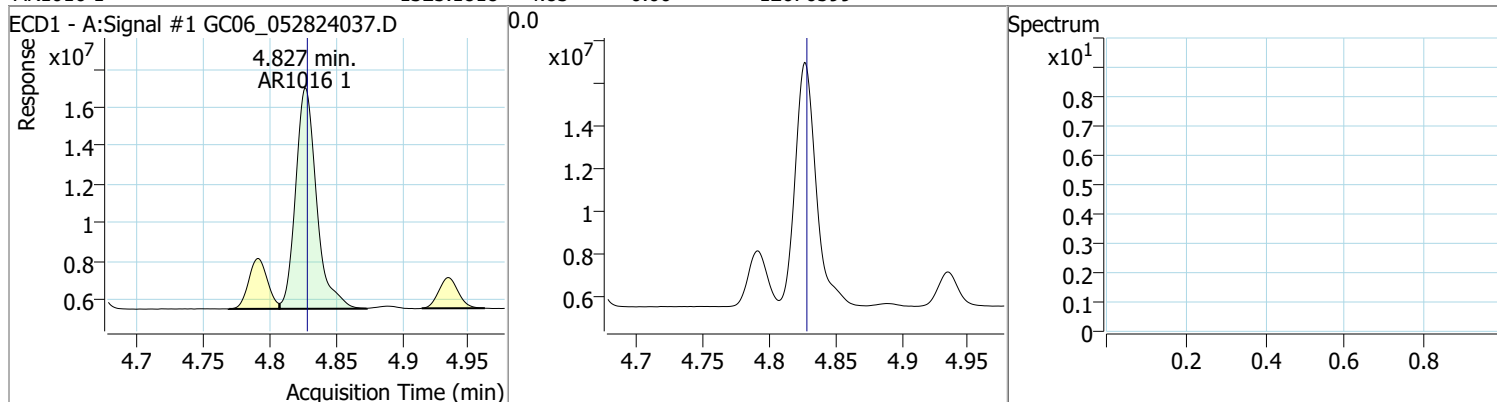
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	110.5652	4.51	0.00	49806364				



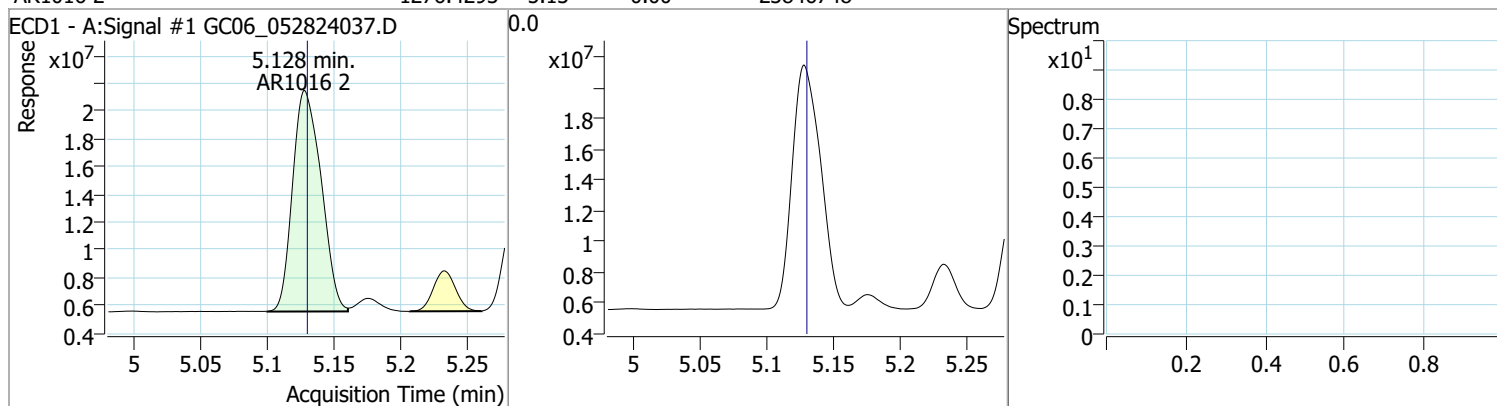
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	106.1958	4.79	0.00	209431082				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1325.1818	4.83	0.00	12676599				

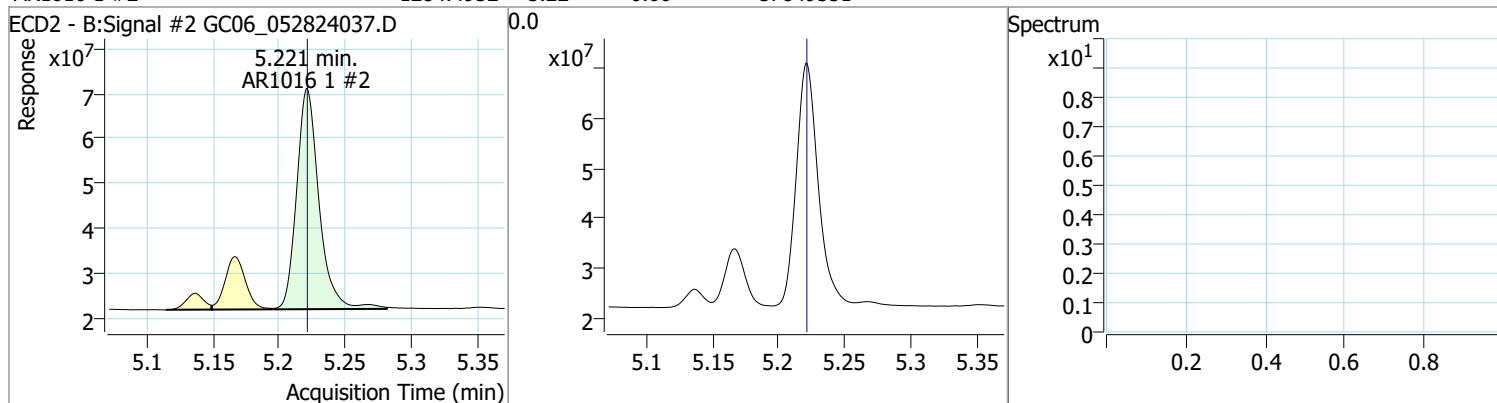


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1276.4293	5.13	0.00	23846748				

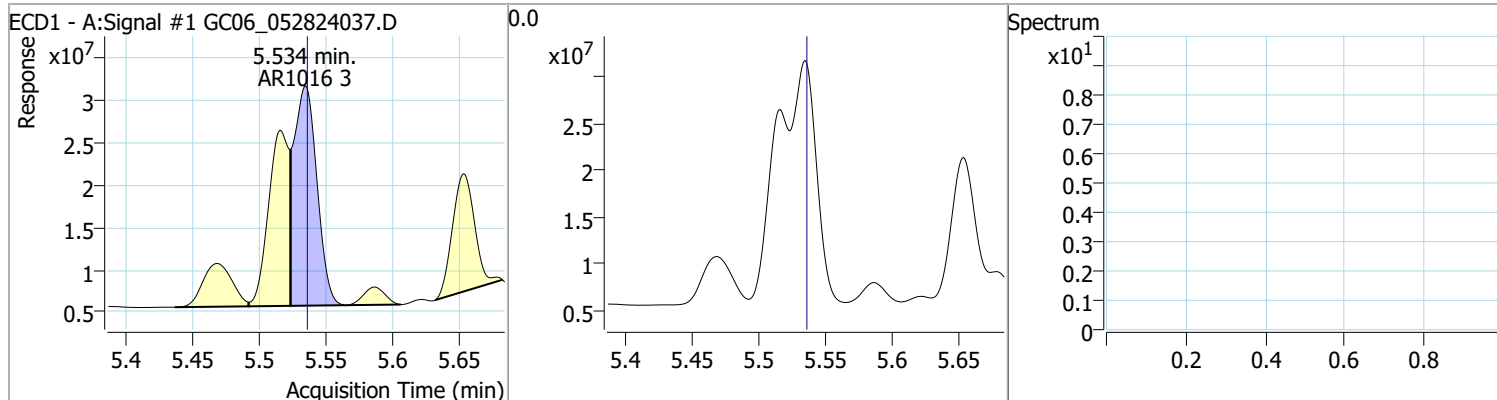


Quantitation Results Report (Not Reviewed)

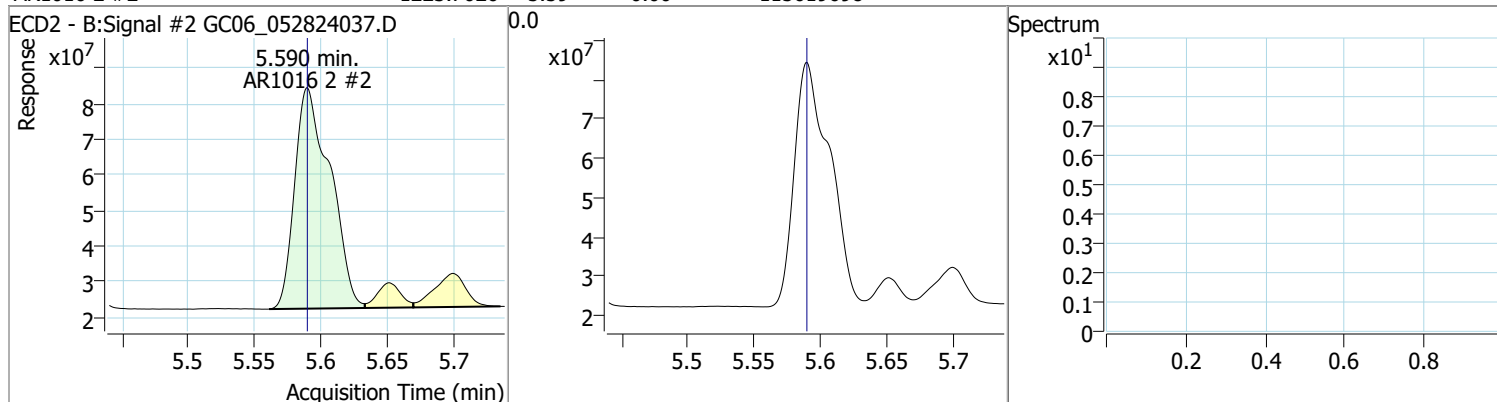
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1284.4952	5.22	0.00	57849551				



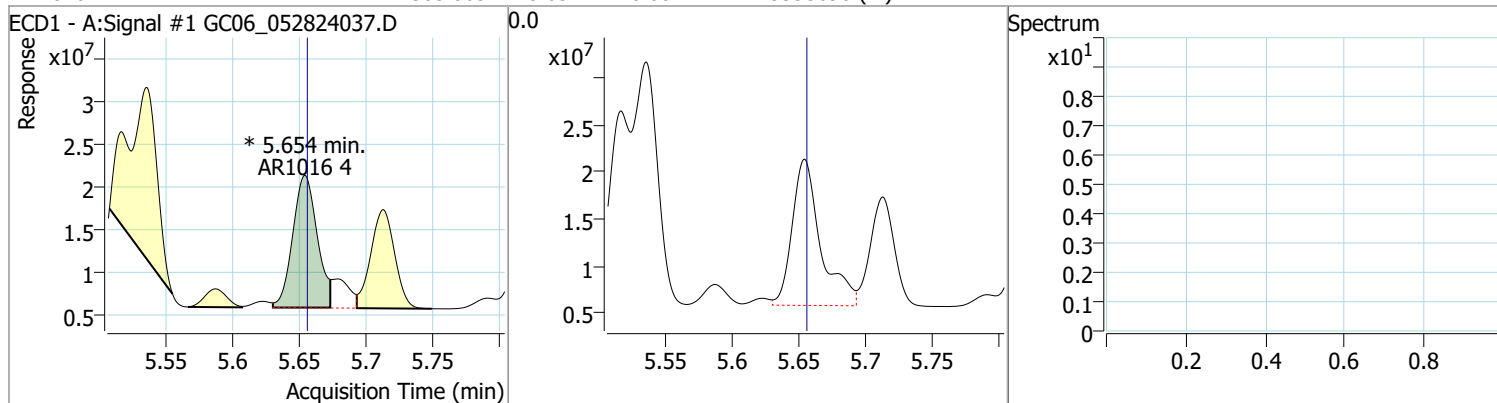
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1225.1297	5.53	0.00	31149728				



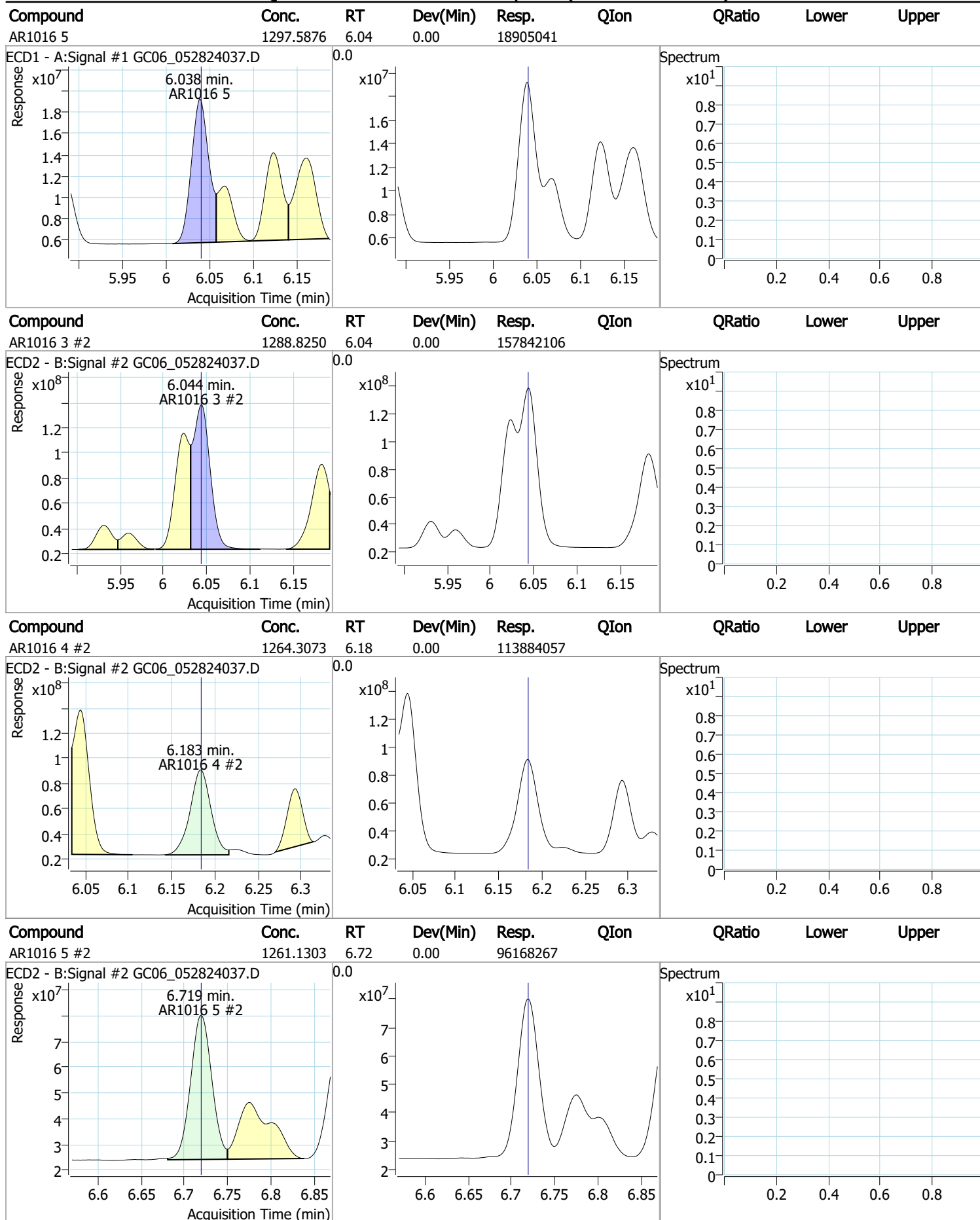
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1223.7026	5.59	0.00	115619698				



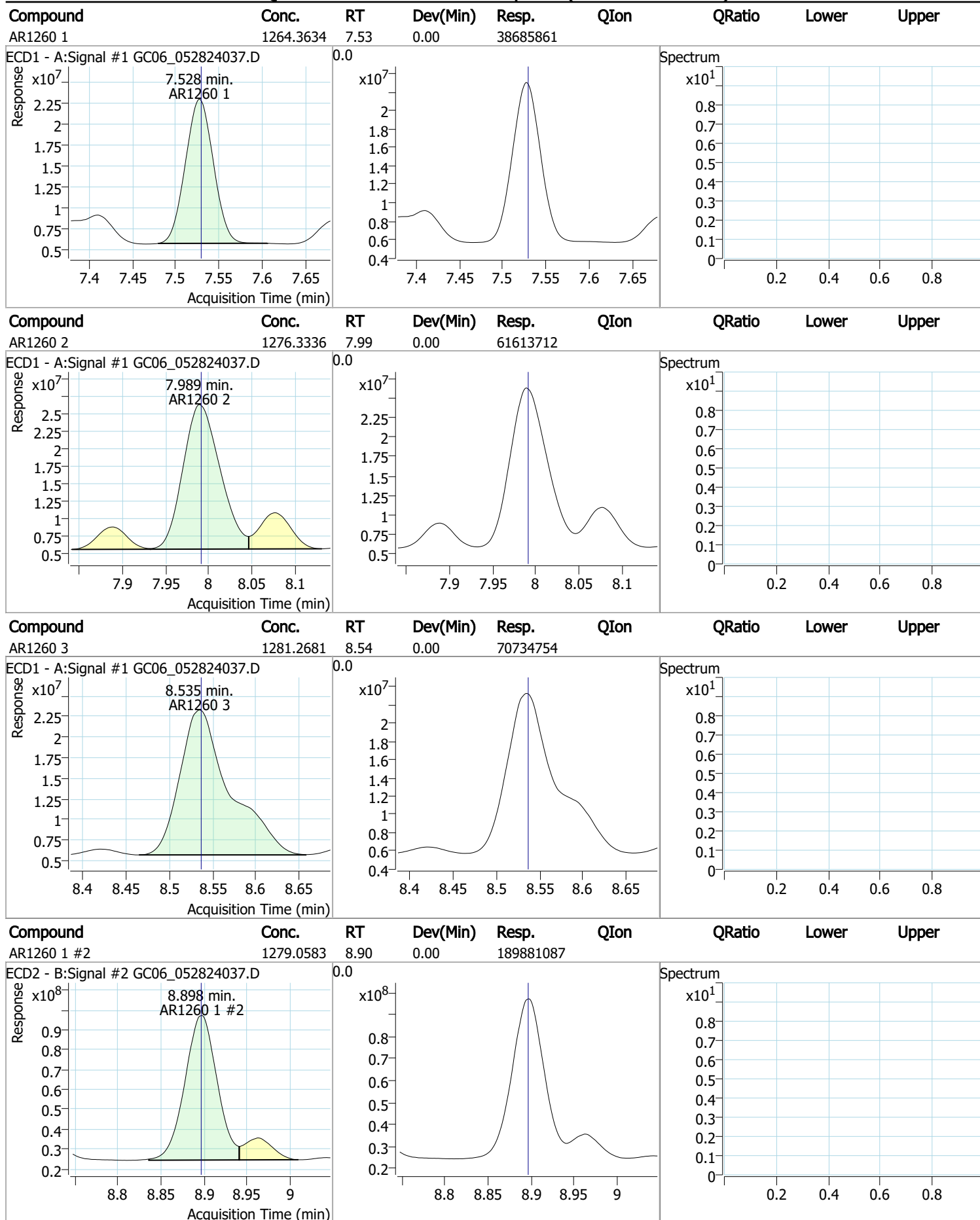
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1305.0651	5.65	0.00	19995690 (m)				



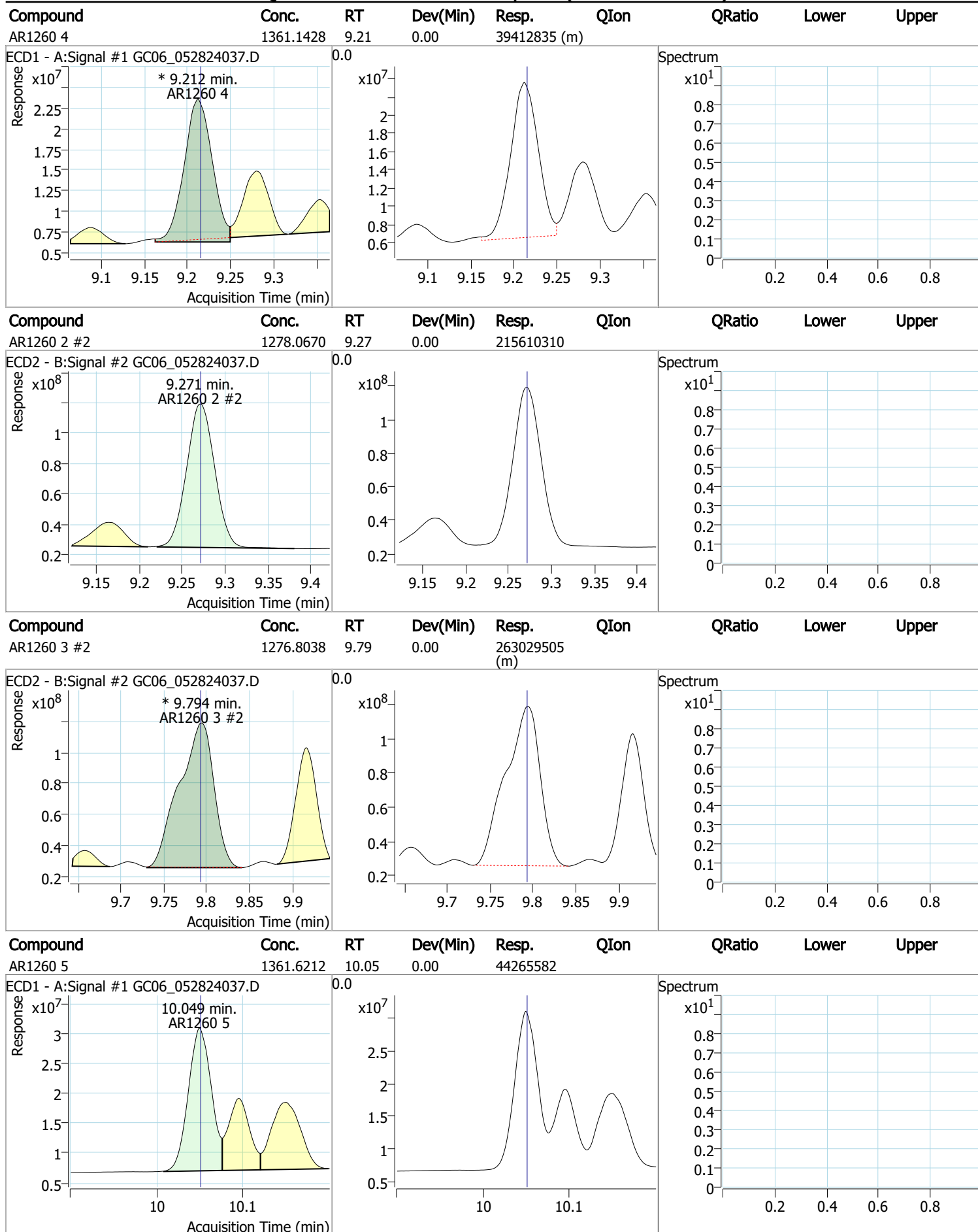
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

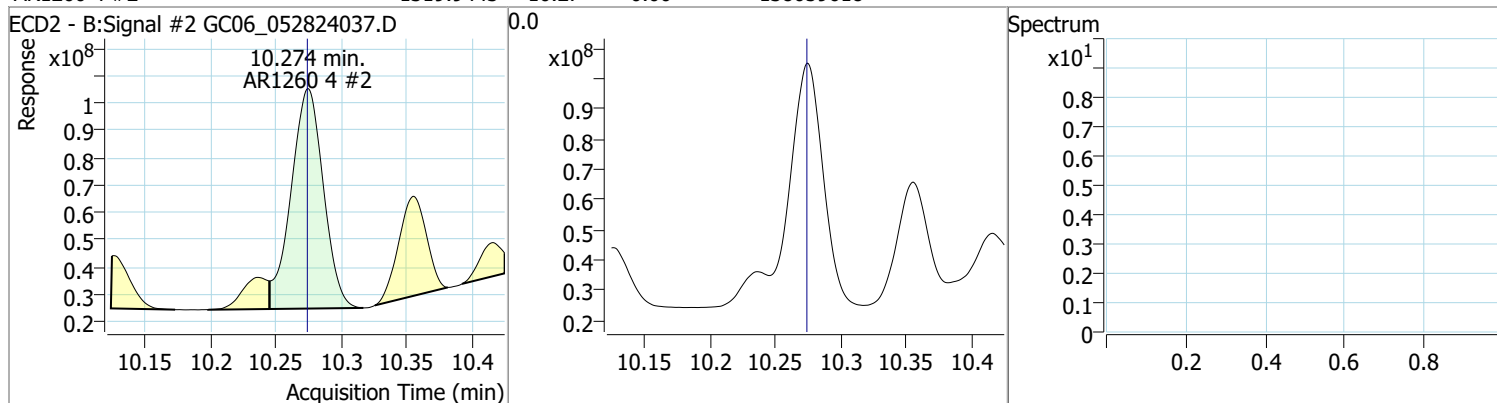


Quantitation Results Report (Not Reviewed)

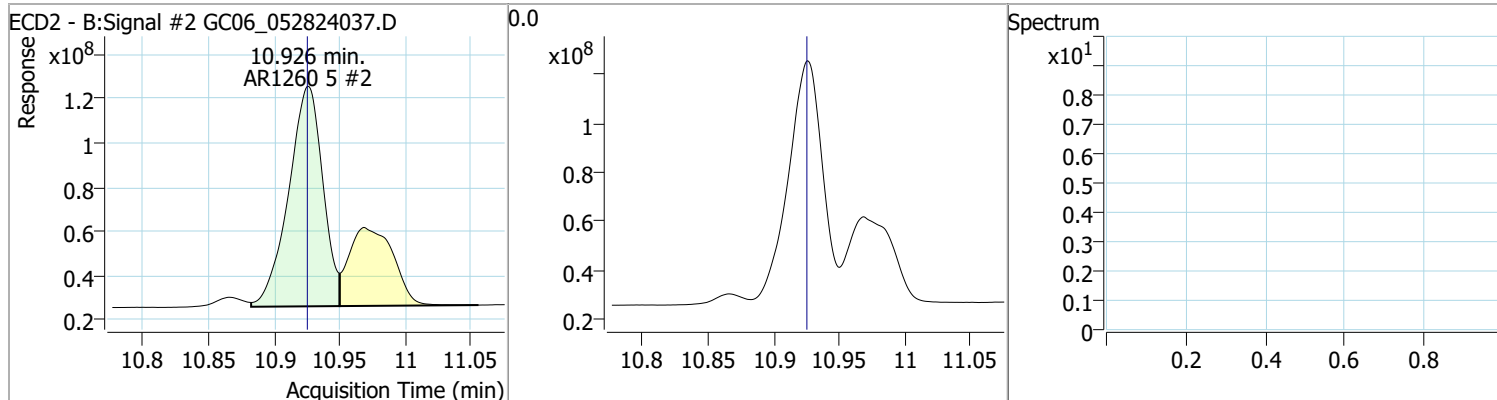


Quantitation Results Report (Not Reviewed)

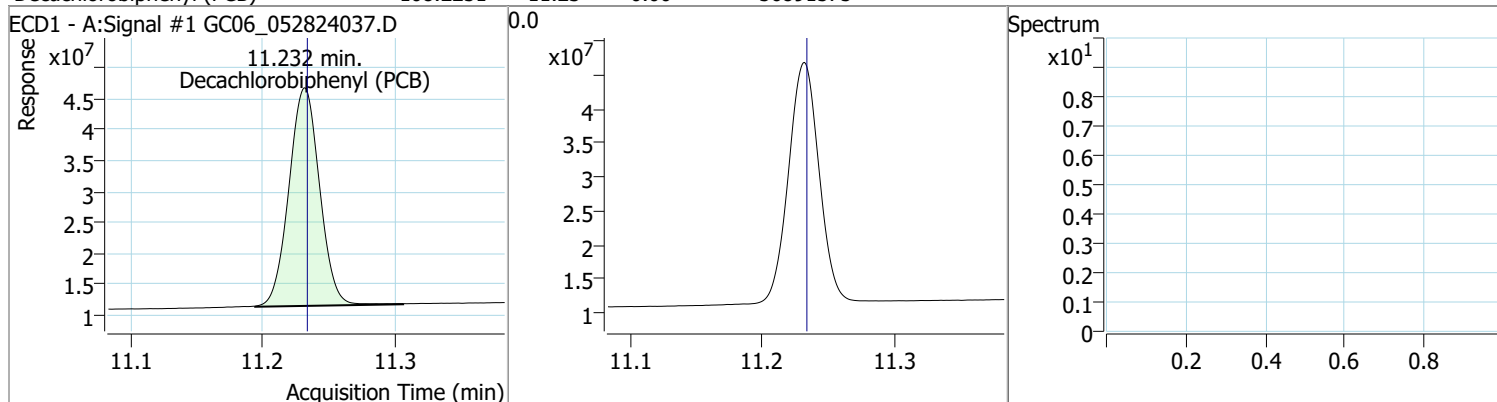
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1319.9443	10.27	0.00	138059618				



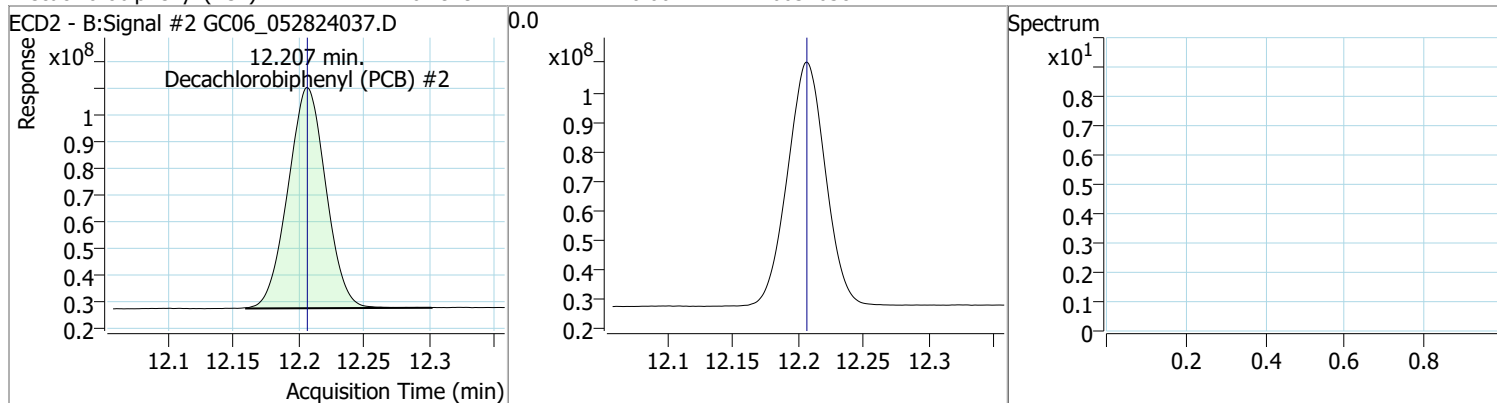
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1273.4817	10.93	0.00	181179555				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	108.2251	11.23	0.00	56891575				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	102.9194	12.21	0.00	166316387				

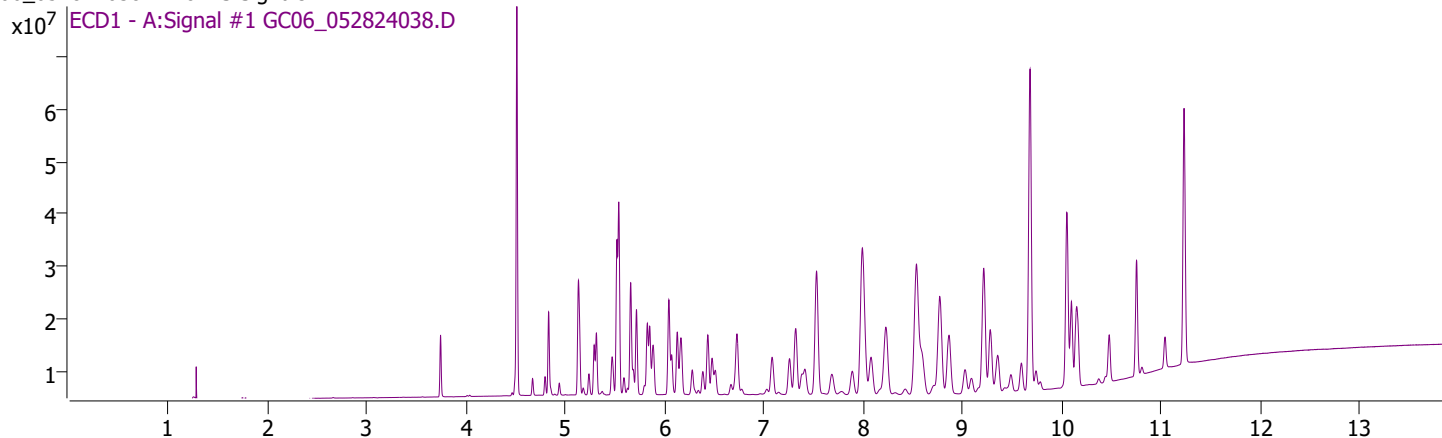


Quantitation Results Report (Not Reviewed)

Data File	GC06_052824038.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	5/28/2024 10:46:39 PM
Sample Name	ICAL, S20235	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_01.m	Comment	2000 ppb PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	052824-PCB-ICAL.batch.bin	Last Calib Update	5/29/2024 8:08:32 AM
Ref Library			

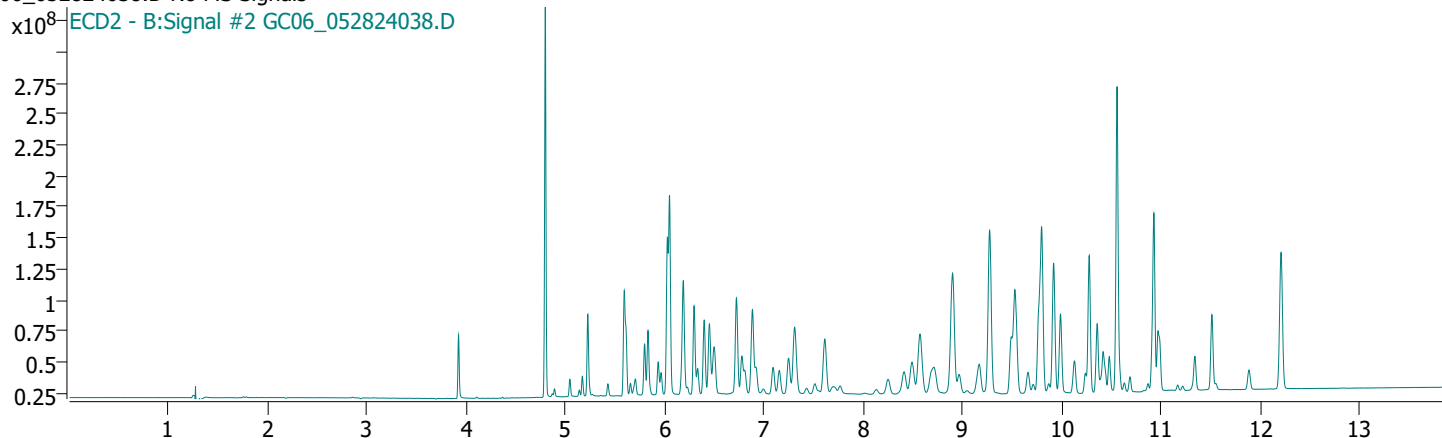
GC06_052824038.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_052824038.D



GC06_052824038.D No MS Signals

x10⁸ ECD2 - B:Signal #2 GC06_052824038.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.738	0.0	10179364.706	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.919	0.0	49323035.594	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.507	0.0	71293096.823	151.5317	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 757.66%	*	
S TCMX (PCB) #2	4.793	0.0	299551564.292	137.7982	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 688.99%	*	
S Decachlorobiphenyl (PCB)	11.230	0.0	77693561.571	141.5101	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 707.55%	*	
S Decachlorobiphenyl (PCB) #2	12.208	0.0	226990216.093	127.4309	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 637.15%	*	

Target Compounds

QValue

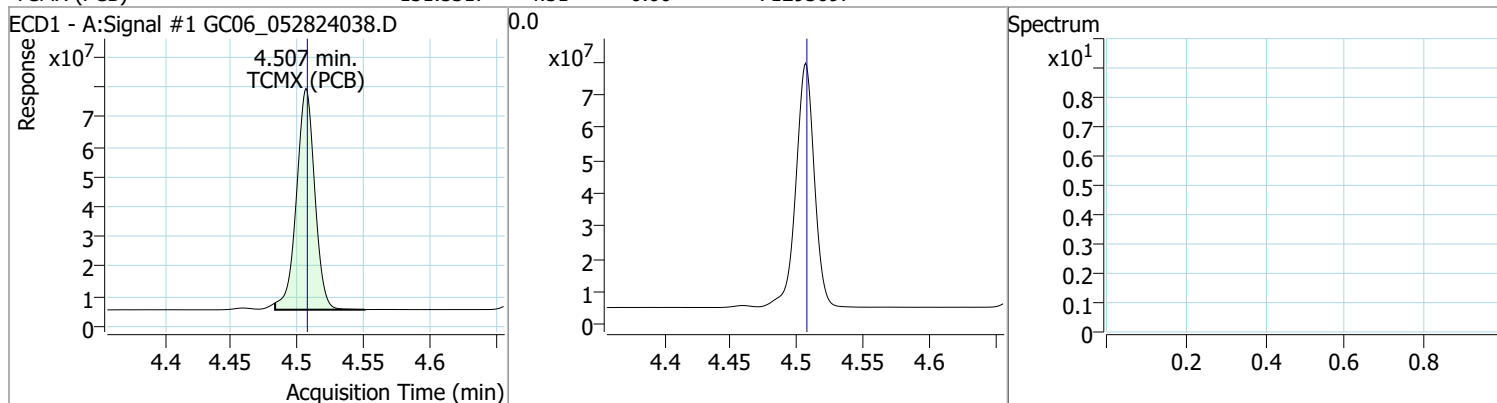
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.827	0.0	17296422.7 97	1731.2169	ng/ml	100
T AR1016 2	5.128	0.0	32543114.4 15	1667.8202	ng/ml	100
T AR1016 1 #2	5.222	0.0	77133460.3 92	1553.7490	ng/ml	100
T AR1016 3	5.533	0.0	43805599.1 57	1649.6048	ng/ml	100
T AR1016 2 #2	5.589	0.0	156547934. 445	1503.1315	ng/ml	100
T AR1016 4	5.653	0.0	27675430.8 92	1729.4684	ng/ml m	100
T AR1016 5	6.038	0.0	25717091.5 88	1690.0650	ng/ml	100
T AR1016 3 #2	6.045	0.0	215317810. 897	1594.9850	ng/ml	100
T AR1016 4 #2	6.184	0.0	155764381. 630	1568.7850	ng/ml m	100
T AR1016 5 #2	6.719	0.0	131748091. 060	1567.3935	ng/ml	100
T AR1260 1	7.527	0.0	52380992.3 84	1639.1393	ng/ml	100
T AR1260 2	7.988	0.0	83880948.7 34	1663.6910	ng/ml	100
T AR1260 3	8.533	0.0	96551456.8 42	1674.5128	ng/ml	100
T AR1260 1 #2	8.898	0.0	260857551. 750	1594.1076	ng/ml	100
T AR1260 4	9.212	0.0	53779851.5 27	1778.3126	ng/ml m	100
T AR1260 2 #2	9.271	0.0	293527504. 749	1578.4777	ng/ml	100
T AR1260 3 #2	9.794	0.0	361544073. 478	1592.1593	ng/ml m	100
T AR1260 5	10.048	0.0	60957077.8 59	1795.2988	ng/ml	100
T AR1260 4 #2	10.274	0.0	187428046. 605	1625.6576	ng/ml	100
T AR1260 5 #2	10.926	0.0	249786193. 737	1592.7862	ng/ml	100

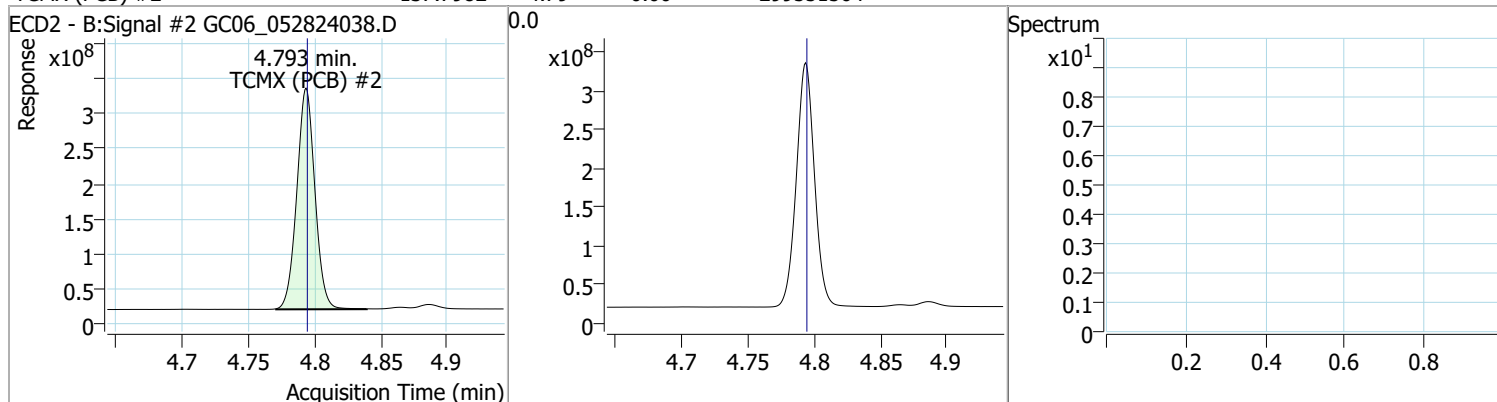
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

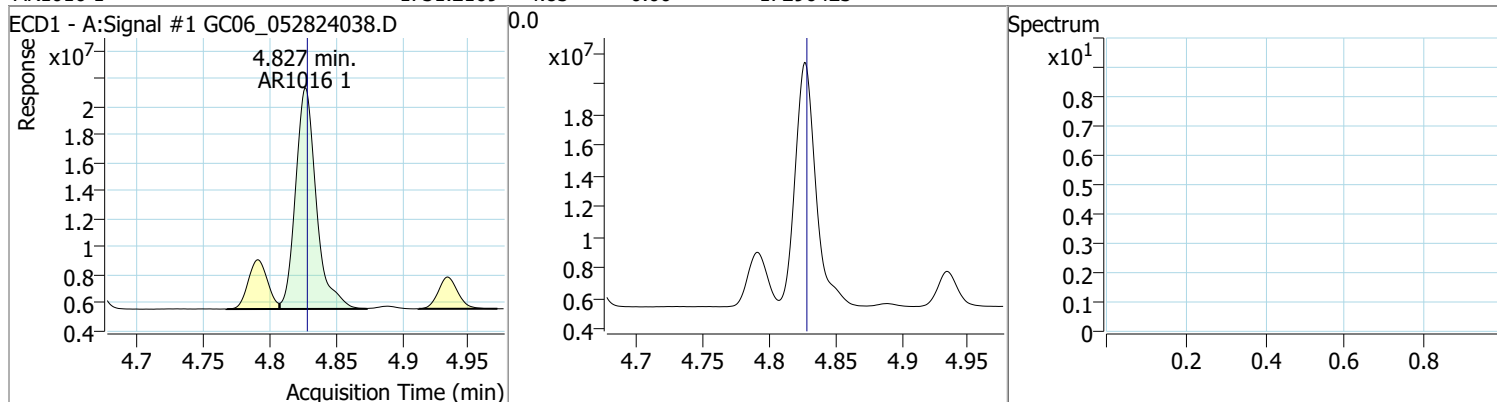
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	151.5317	4.51	0.00	71293097				



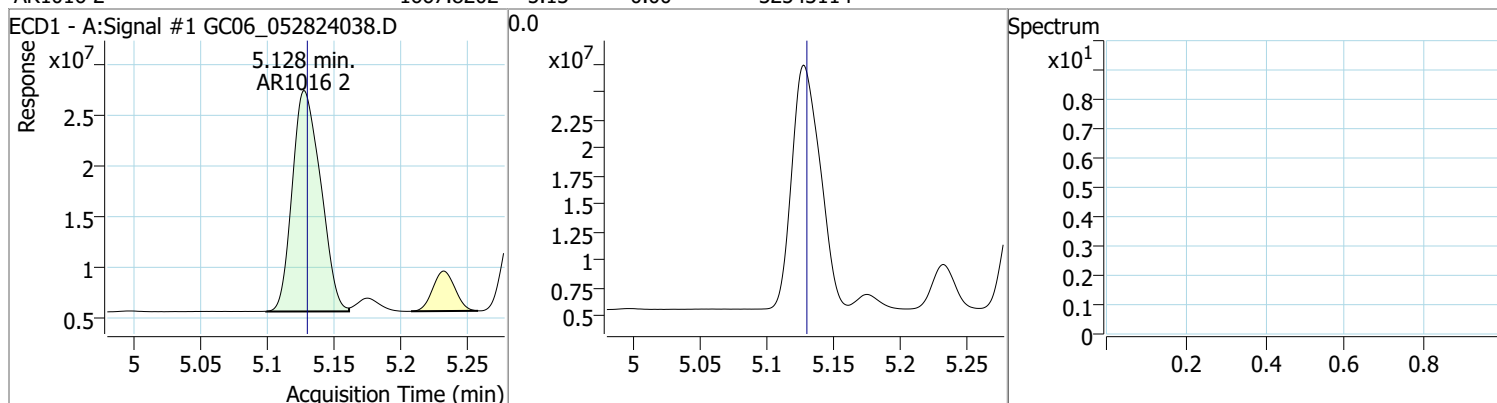
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	137.7982	4.79	0.00	299551564				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1731.2169	4.83	0.00	17296423				

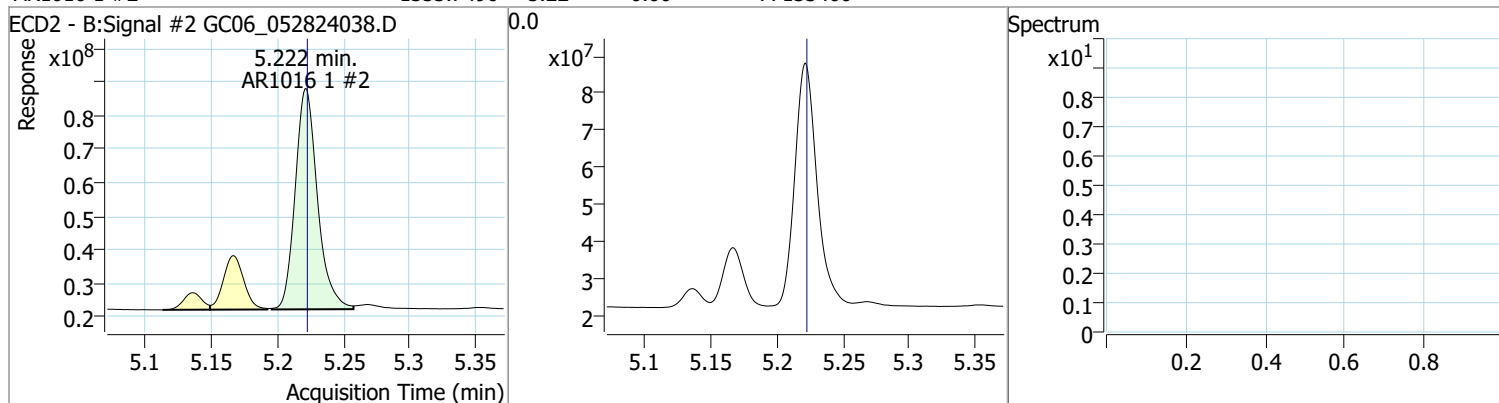


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1667.8202	5.13	0.00	32543114				

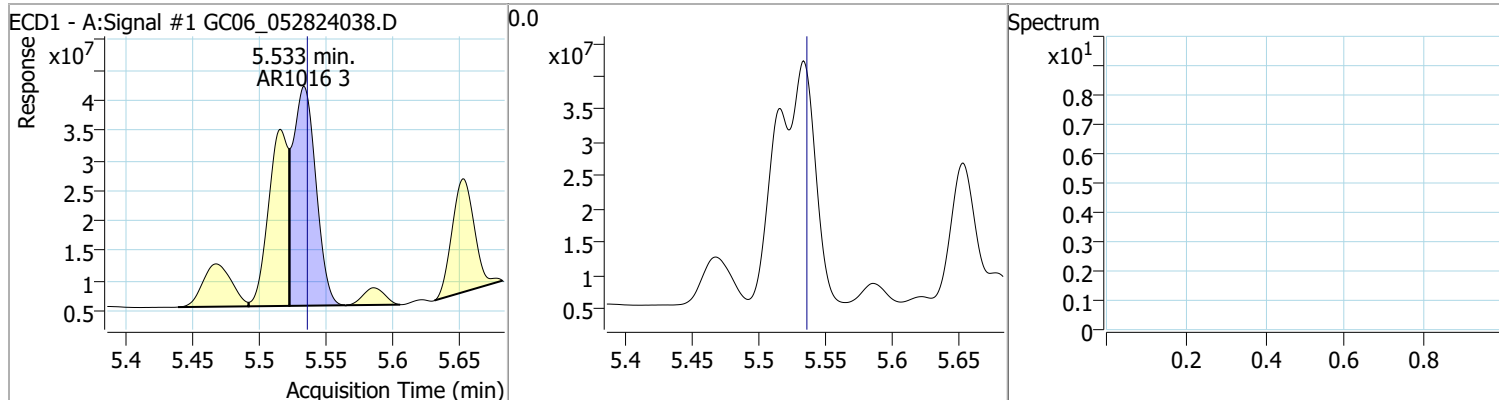


Quantitation Results Report (Not Reviewed)

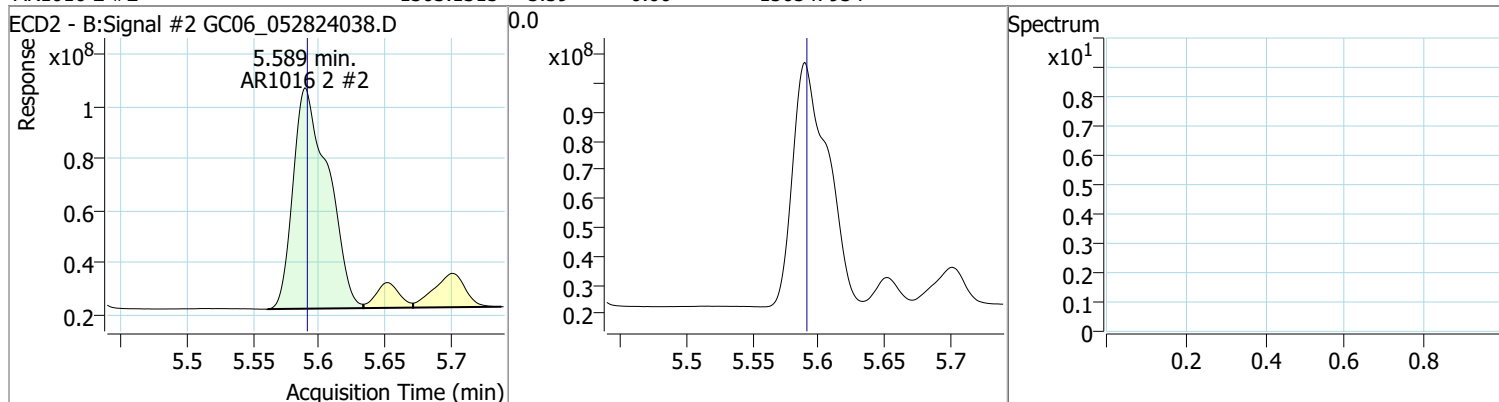
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1553.7490	5.22	0.00	77133460				



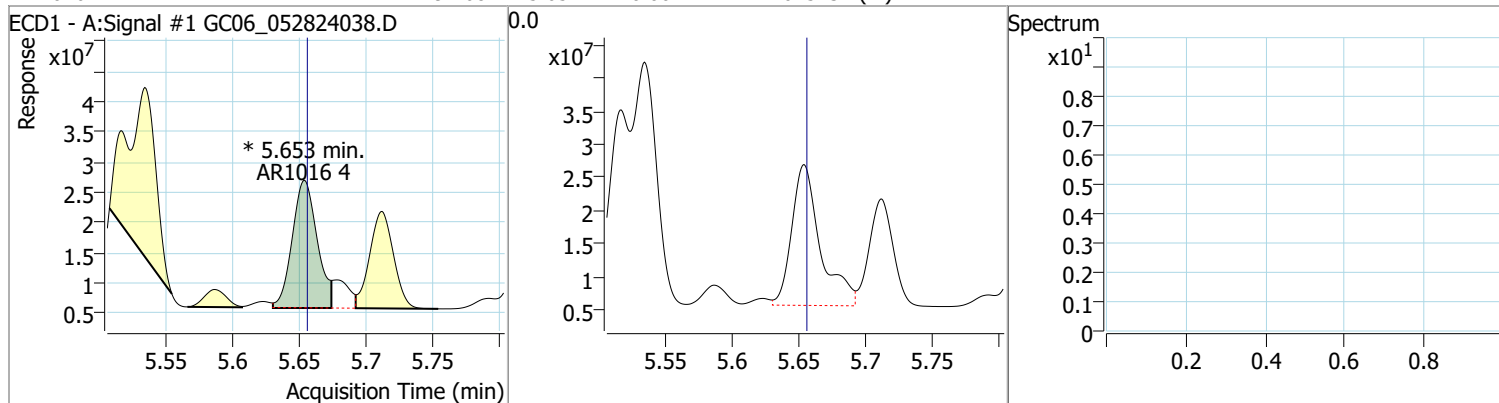
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1649.6048	5.53	0.00	43805599				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1503.1315	5.59	0.00	156547934				

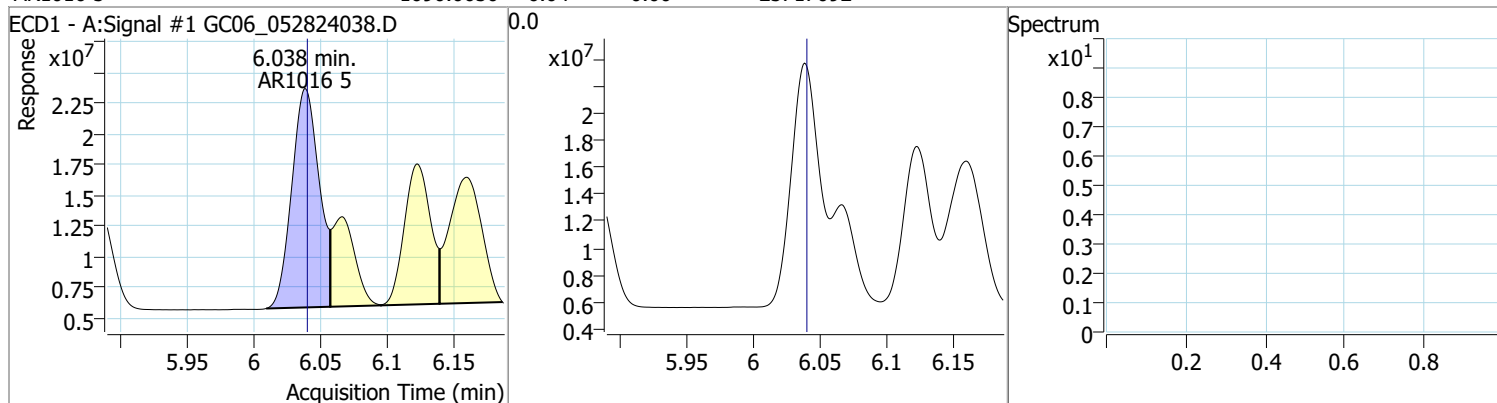


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1729.4684	5.65	0.00	27675431 (m)				

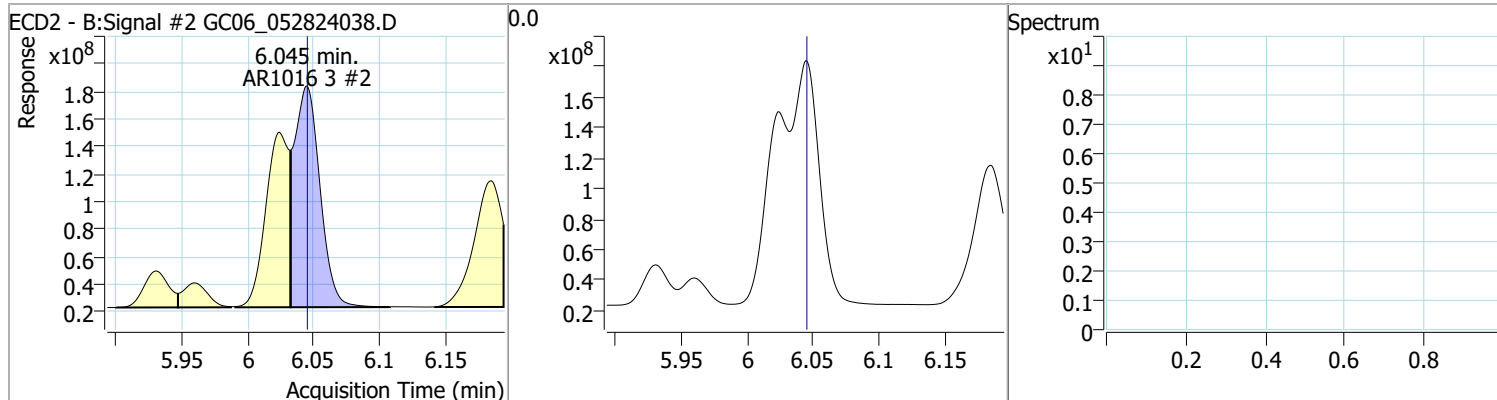


Quantitation Results Report (Not Reviewed)

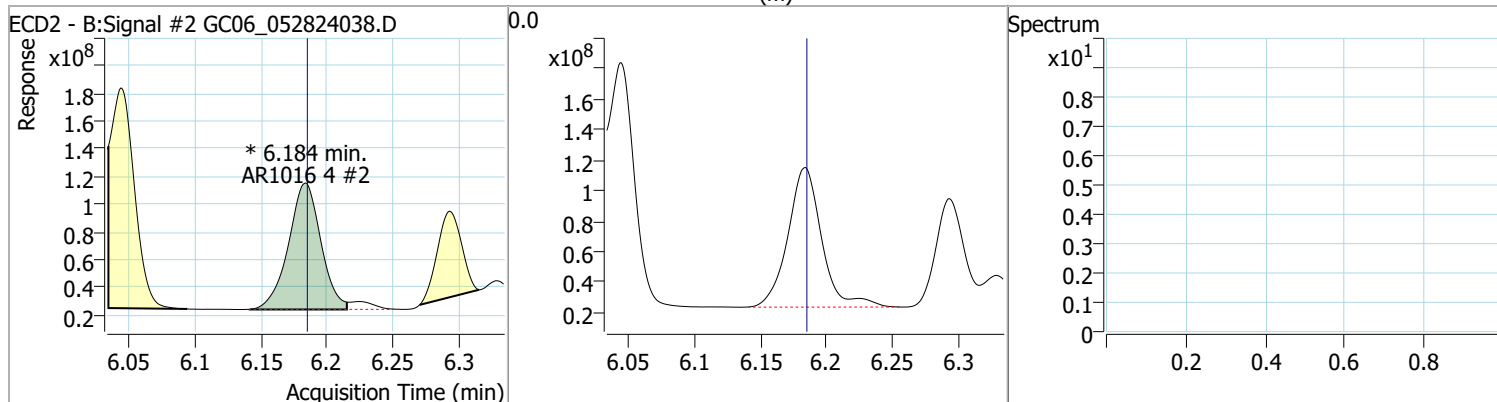
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1690.0650	6.04	0.00	25717092				



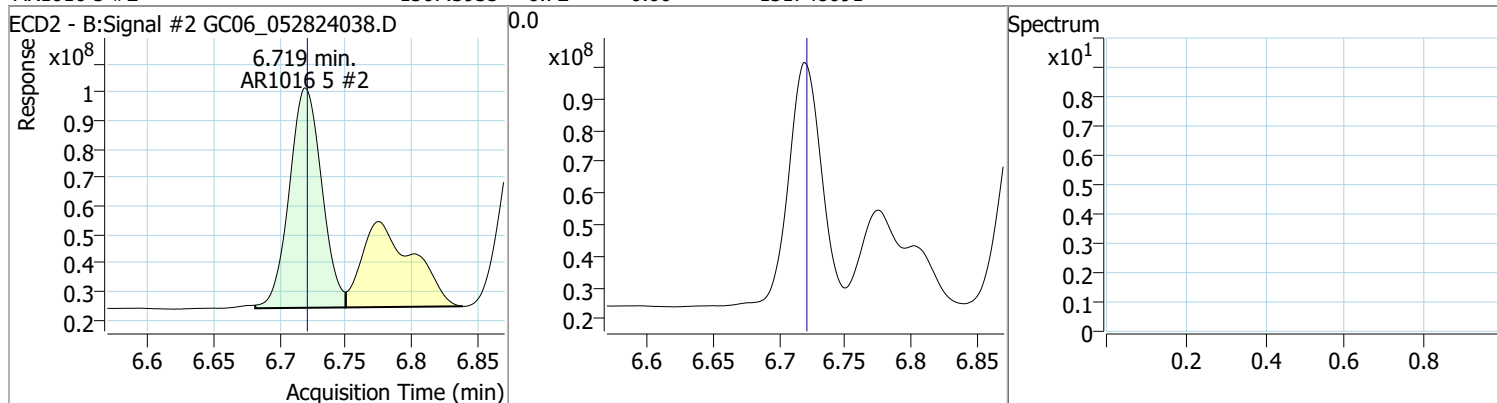
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1594.9850	6.05	0.00	215317811				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1568.7850	6.18	0.00	155764382 (m)				

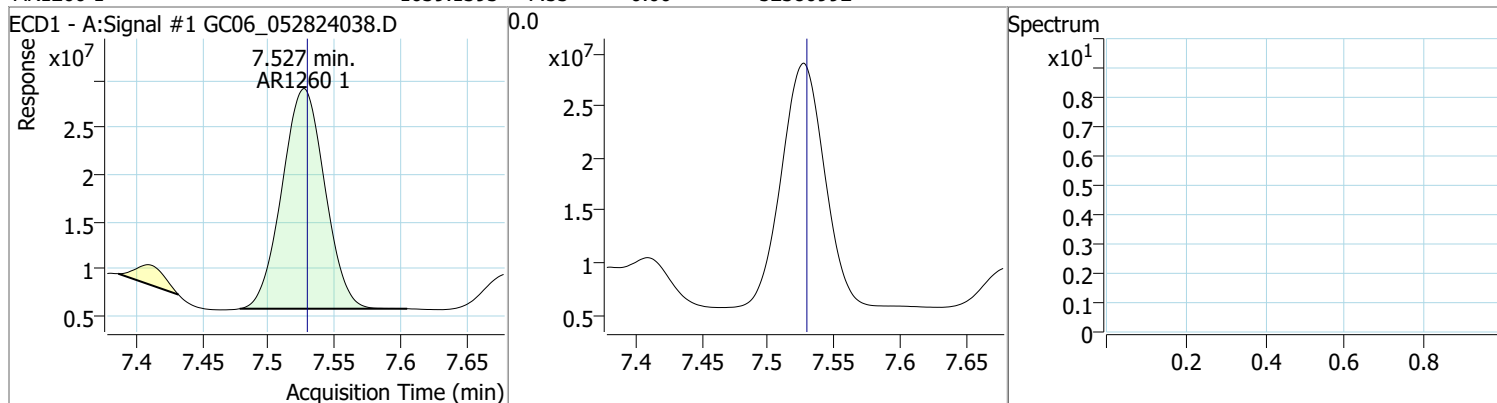


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1567.3935	6.72	0.00	131748091				

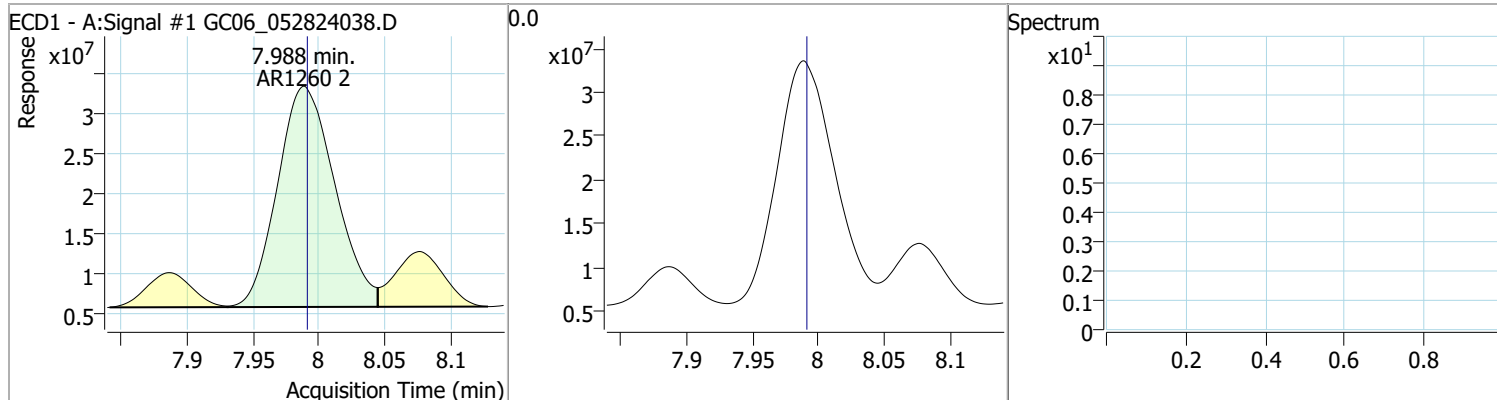


Quantitation Results Report (Not Reviewed)

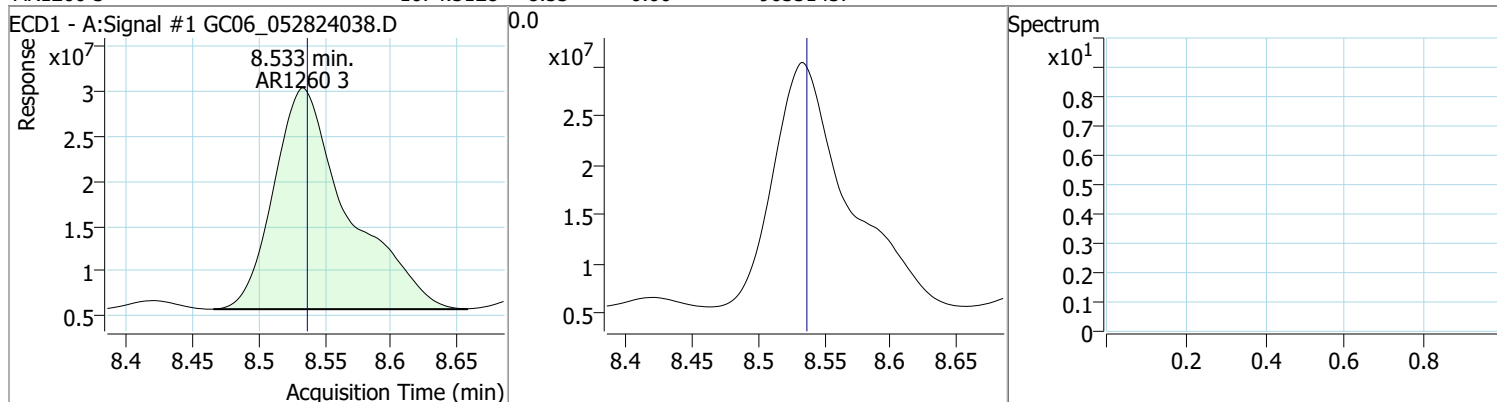
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1639.1393	7.53	0.00	52380992				



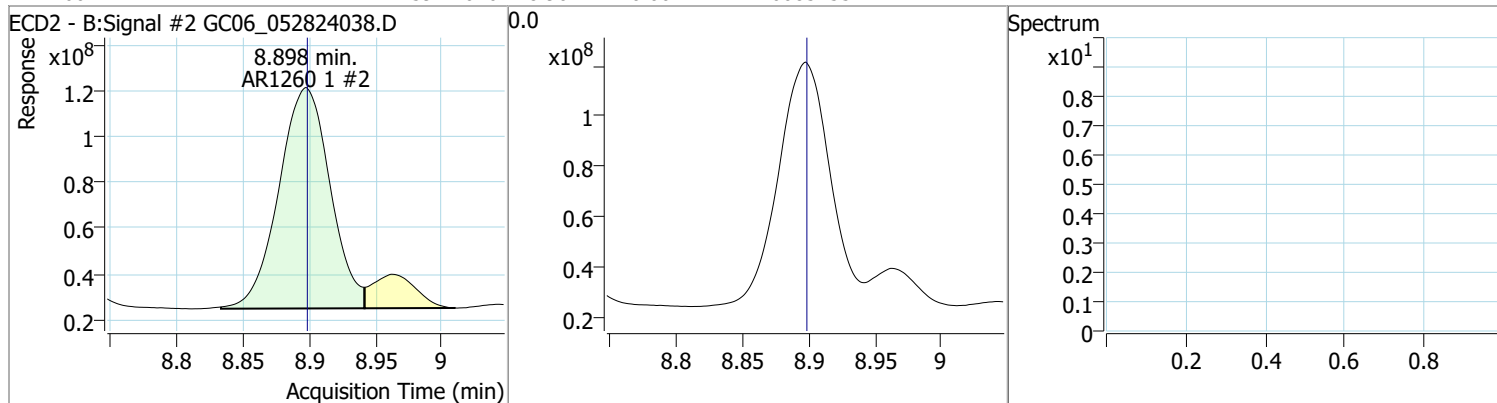
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1663.6910	7.99	0.00	83880949				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1674.5128	8.53	0.00	96551457				

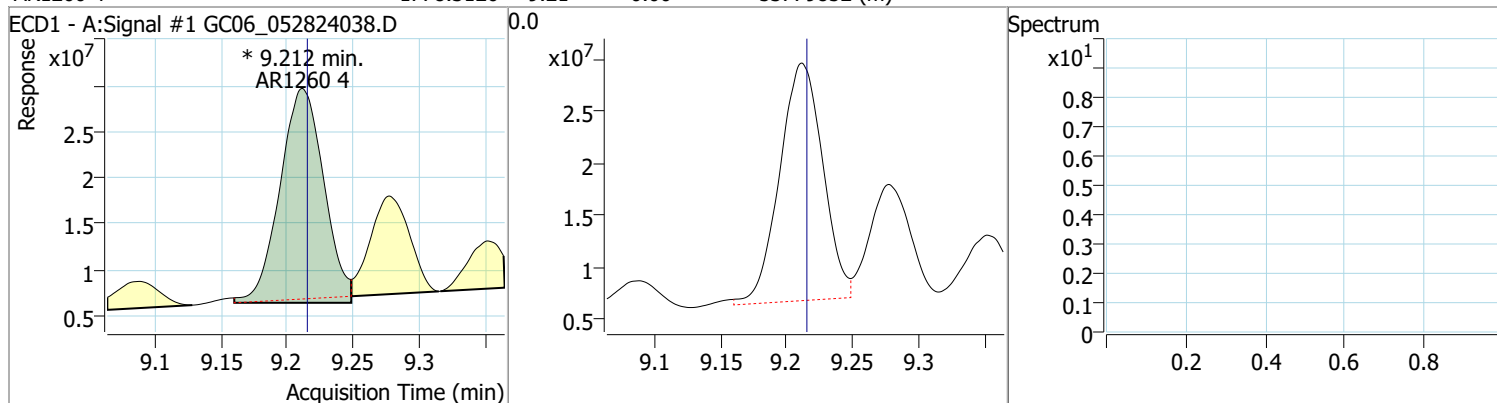


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1594.1076	8.90	0.00	260857552				

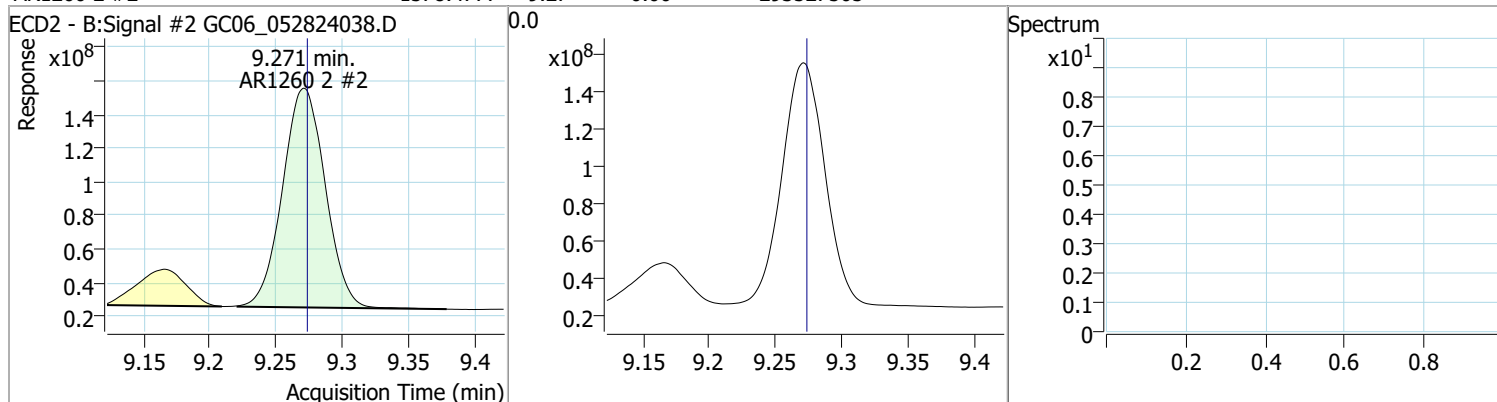


Quantitation Results Report (Not Reviewed)

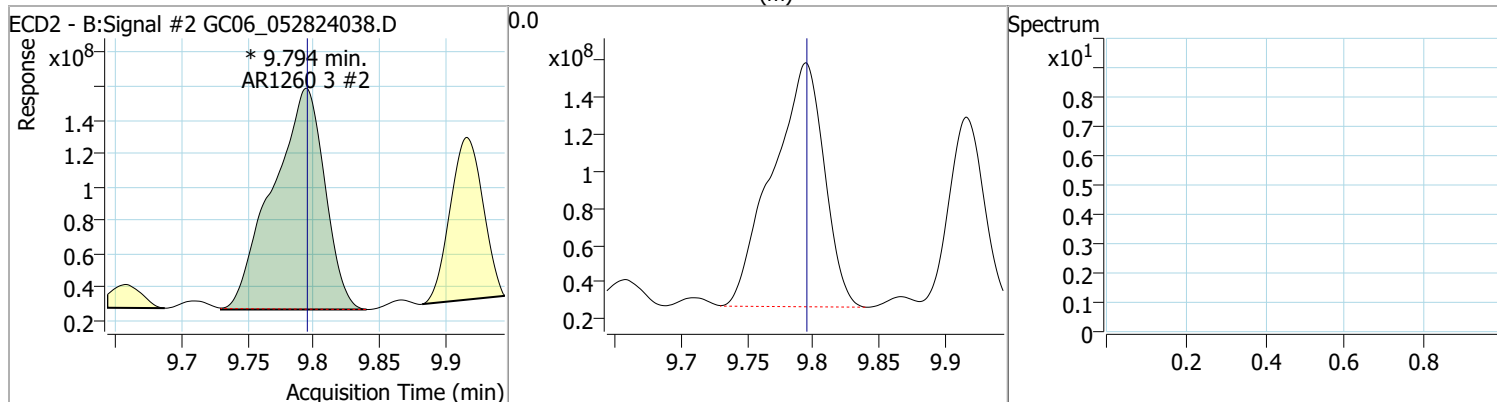
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1778.3126	9.21	0.00	53779852 (m)				



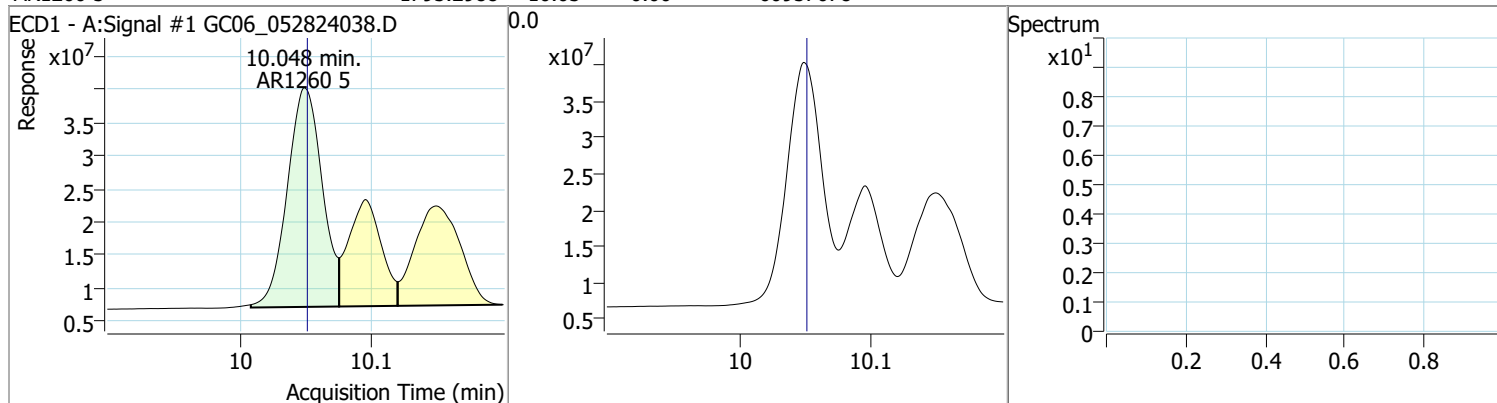
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1578.4777	9.27	0.00	293527505				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1592.1593	9.79	0.00	361544073 (m)				

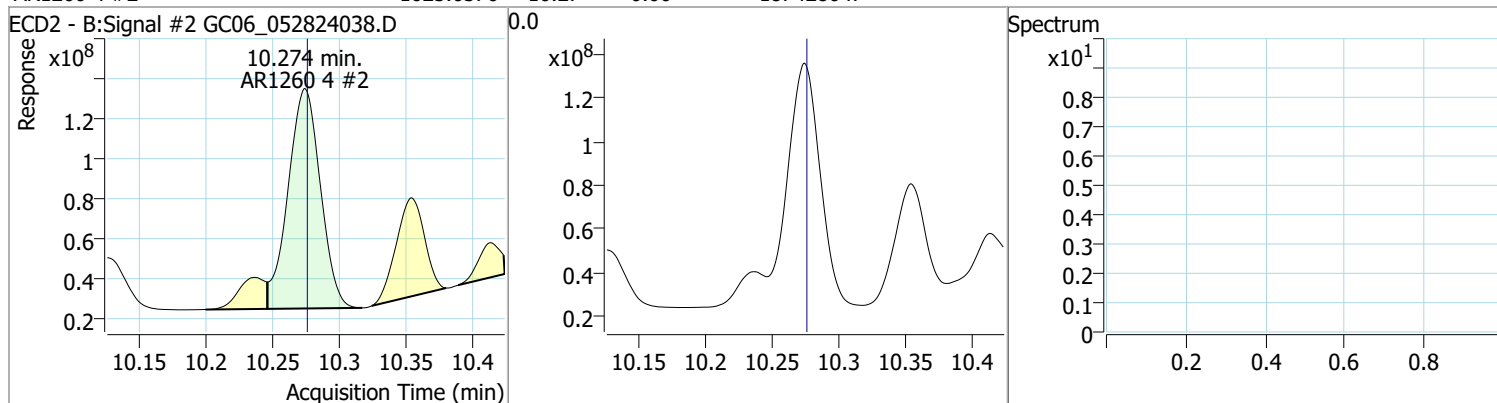


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1795.2988	10.05	0.00	60957078				

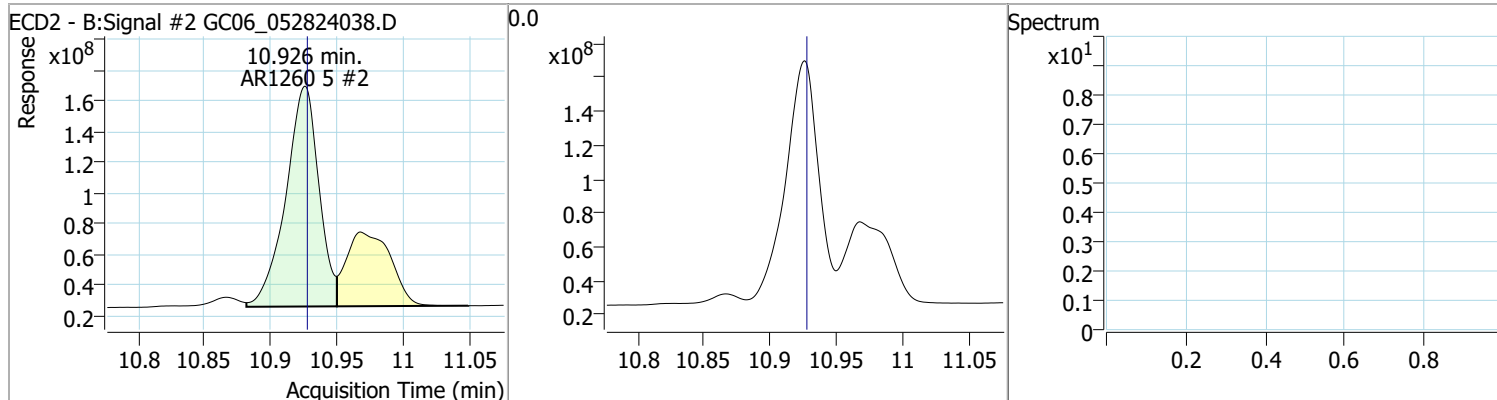


Quantitation Results Report (Not Reviewed)

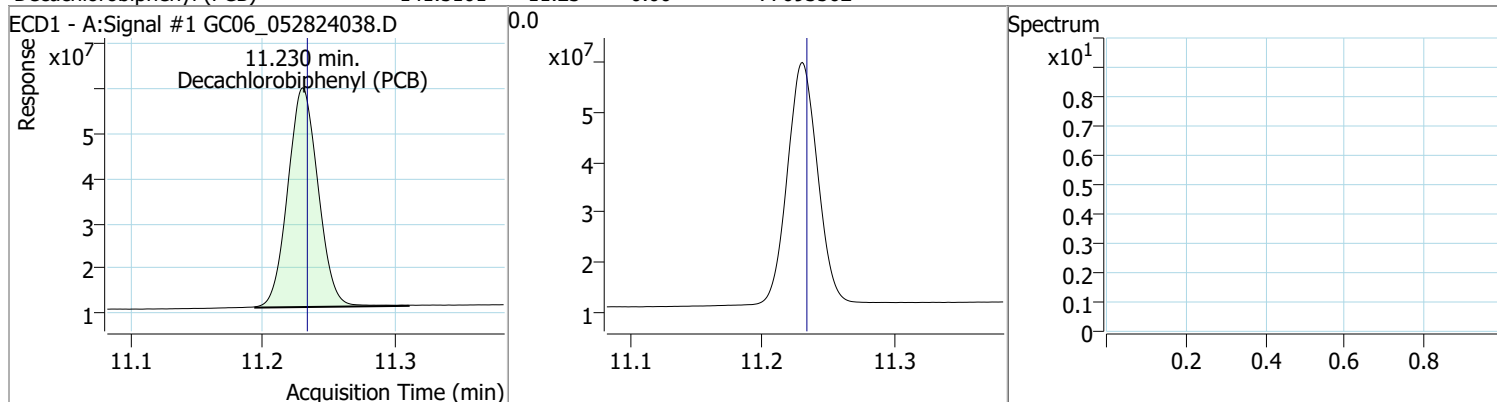
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1625.6576	10.27	0.00	187428047				



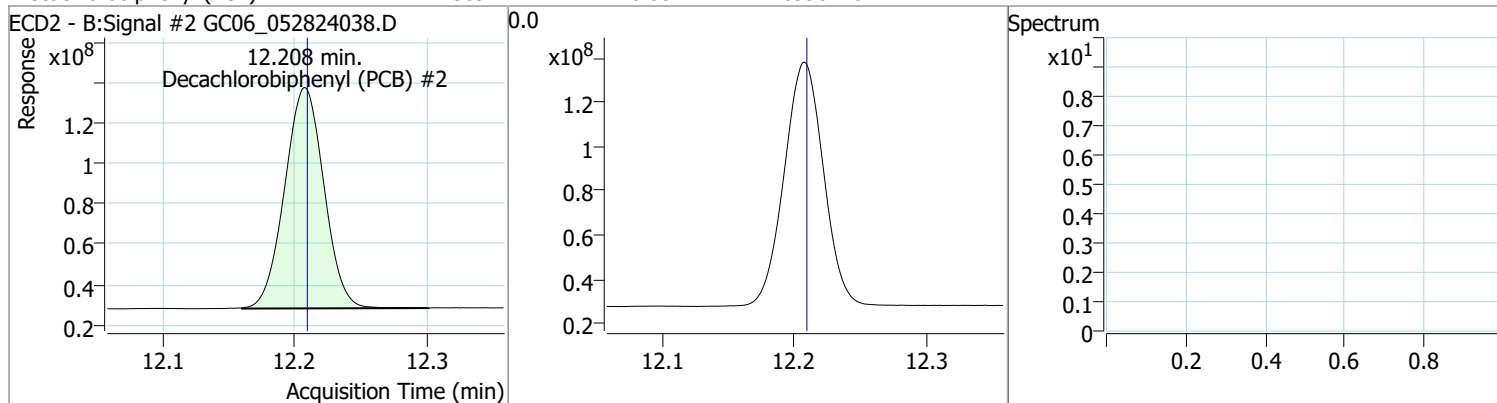
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1592.7862	10.93	0.00	249786194				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	141.5101	11.23	0.00	77693562				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	127.4309	12.21	0.00	226990216				

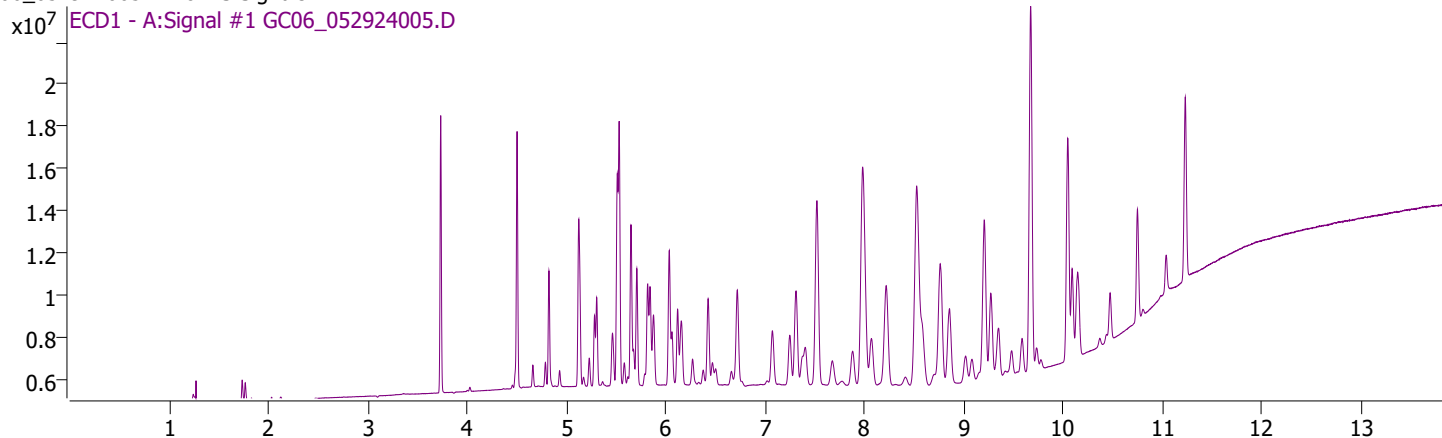


Quantitation Results Report (Not Reviewed)

Data File GC06_052924005.D Acq. Method Acq_Pesticide_122221_4 Sample Name ICV, S20827 Vial 1 DA Method File PCB_608_052824_GC06_01.m Tune File ATUNE.U Batch Name 052924-PCB.batch.bin Ref Library	Operator Acq. Date-Time 5/29/2024 10:41:31 AM Instrument SVOA-GC06 Multiplier 1.00 Comment 500 ppb PCB ICV Tune Date Last Calib Update 5/30/2024 2:30:43 PM
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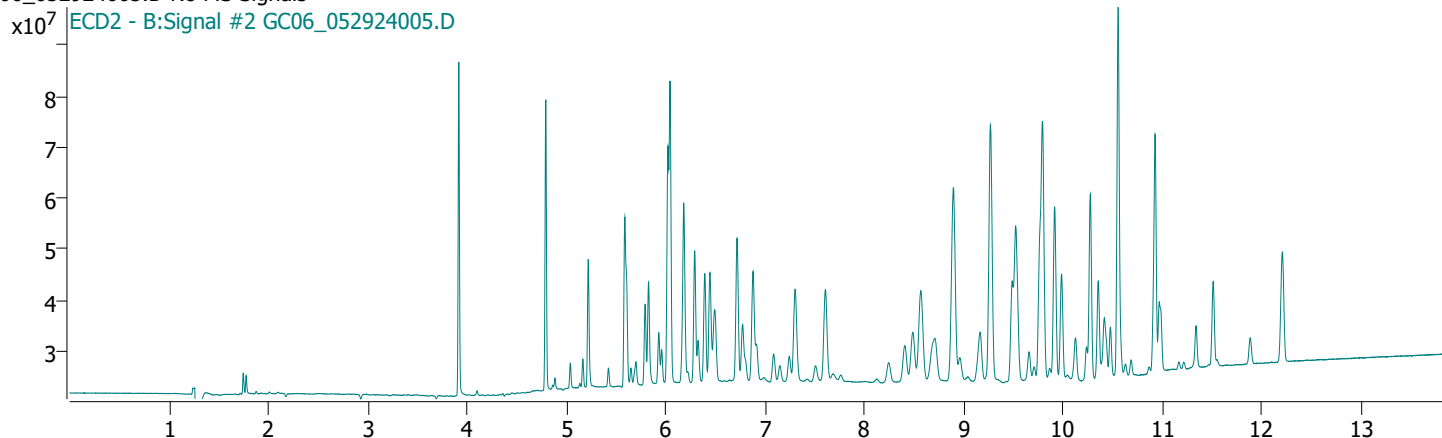
GC06_052924005.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_052924005.D



GC06_052924005.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_052924005.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.736	0.0	11407981.656	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	3.918	0.0	59300606.685	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.504	0.0	12219622.570	23.1753	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 115.88%			
S TCMX (PCB) #2	4.793	0.0	56961047.704	21.7942	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 108.97%			
S Decachlorobiphenyl (PCB)	11.231	0.0	14115299.443	22.9406	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 114.70%			
S Decachlorobiphenyl (PCB) #2	12.208	0.0	45767401.749	21.3705	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 106.85%			

Target Compounds

QValue

Quantitation Results Report (Not Reviewed)

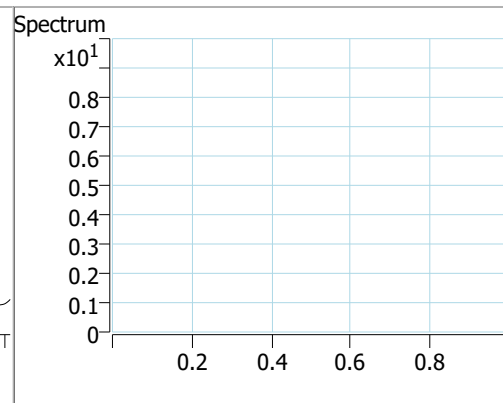
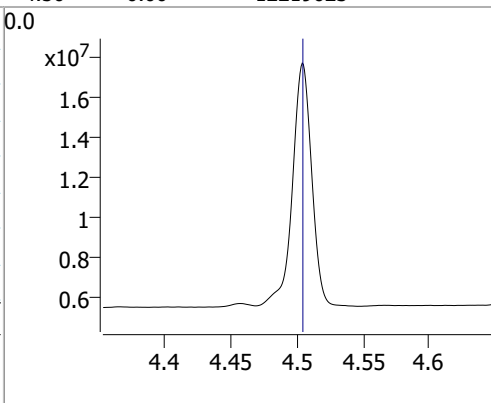
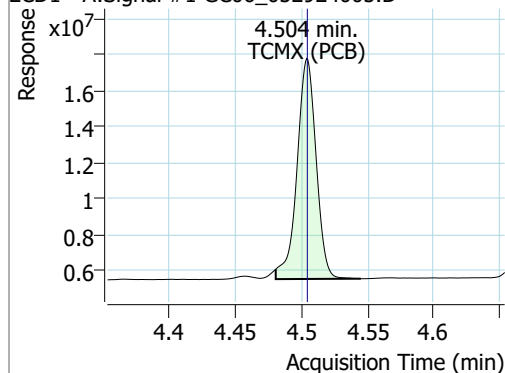
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.825	0.0	5785584.95 6	516.7189	ng/ml	100
T AR1016 2	5.126	0.0	11783754.5 25	538.8720	ng/ml	100
T AR1016 1 #2	5.221	0.0	29362959.2 11	491.9586	ng/ml	100
T AR1016 3	5.532	0.0	14834586.6 80	528.7176	ng/ml m	100
T AR1016 2 #2	5.589	0.0	62283784.6 80	497.4109	ng/ml	100
T AR1016 4	5.651	0.0	9690852.06 7	540.3711	ng/ml	100
T AR1016 5	6.037	0.0	8961462.78 6	525.4995	ng/ml	100
T AR1016 3 #2	6.044	0.0	80733803.9 31	497.4194	ng/ml	100
T AR1016 4 #2	6.182	0.0	60762847.7 44	509.0073	ng/ml	100
T AR1016 5 #2	6.718	0.0	47842823.4 06	473.4141	ng/ml	100
T AR1260 1	7.523	0.0	20007728.0 26	558.6654	ng/ml	100
T AR1260 2	7.983	0.0	31571646.3 92	558.7511	ng/ml	100
T AR1260 3	8.528	0.0	36123711.6 35	559.0284	ng/ml	100
T AR1260 1 #2	8.896	0.0	100395027. 357	510.2900	ng/ml	100
T AR1260 4	9.207	0.0	17106990.7 27	504.7473	ng/ml m	100
T AR1260 2 #2	9.268	0.0	113532737. 111	507.8102	ng/ml	100
T AR1260 3 #2	9.793	0.0	141916575. 570	519.8153	ng/ml m	100
T AR1260 5	10.048	0.0	19716240.5 16	518.1417	ng/ml	100
T AR1260 4 #2	10.275	0.0	62439859.7 25	450.4505	ng/ml	100
T AR1260 5 #2	10.927	0.0	82099332.0 39	435.4310	ng/ml	100

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

Quantitation Results Report (Not Reviewed)

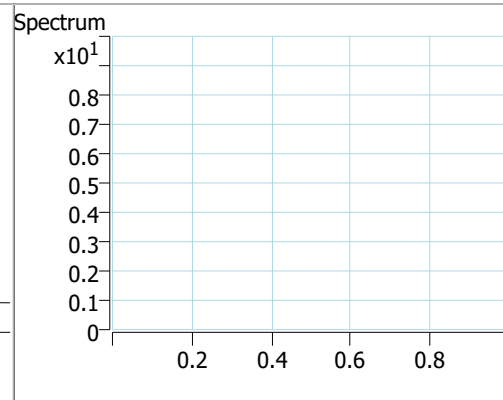
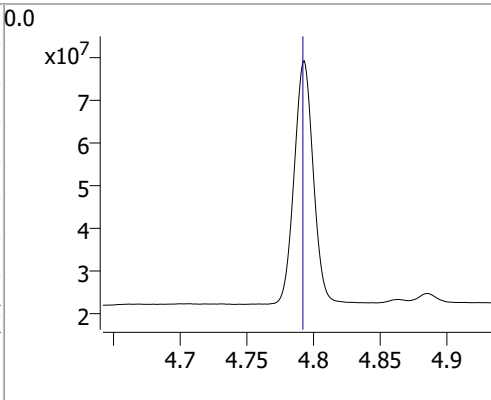
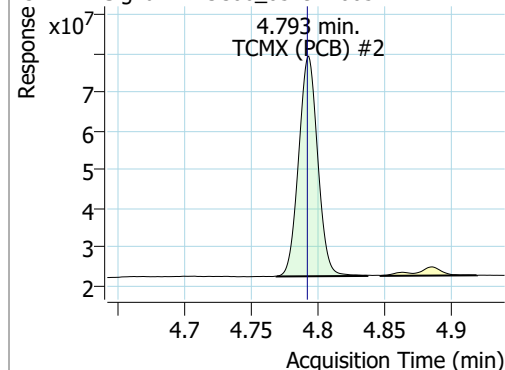
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	23.1753	4.50	0.00	12219623				

ECD1 - A:Signal #1 GC06_052924005.D



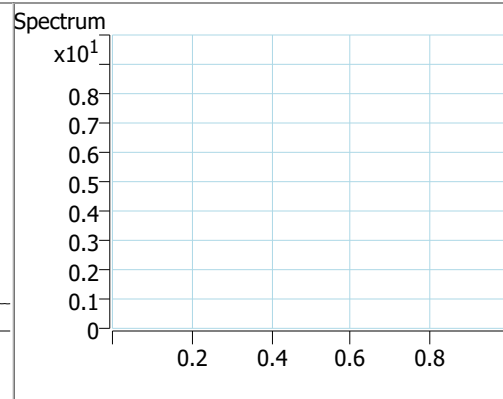
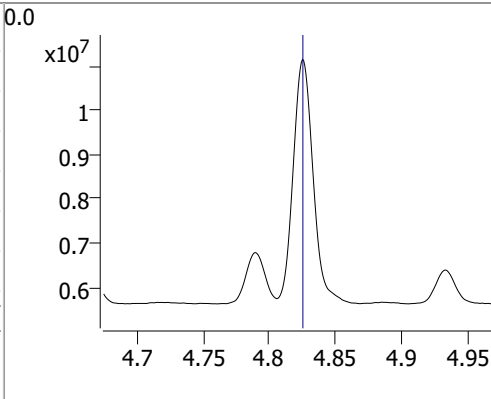
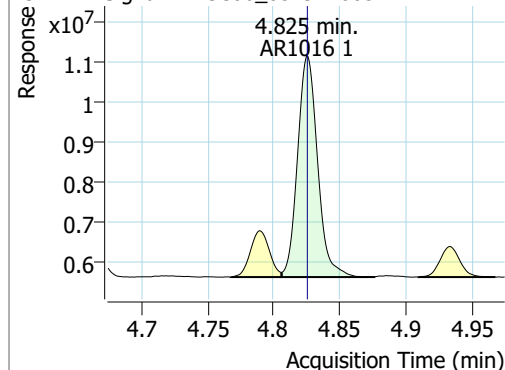
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	21.7942	4.79	0.00	56961048				

ECD2 - B:Signal #2 GC06_052924005.D



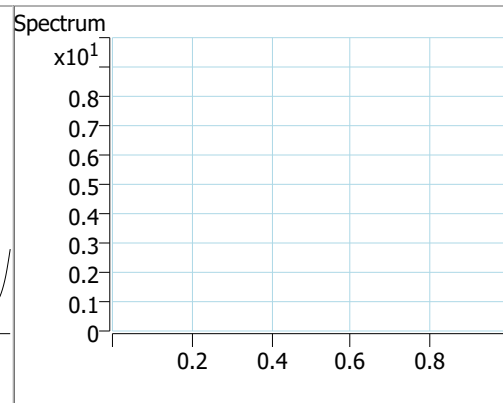
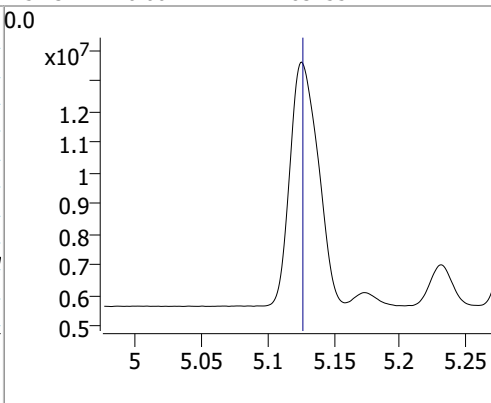
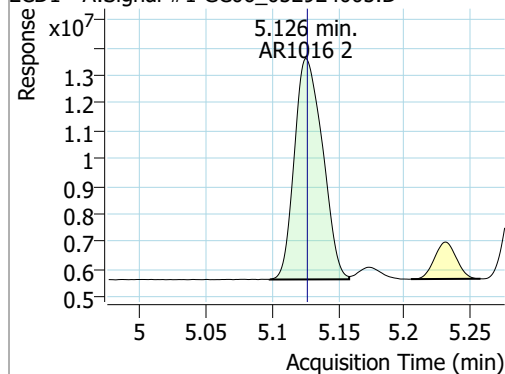
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	516.7189	4.83	0.00	5785585				

ECD1 - A:Signal #1 GC06_052924005.D

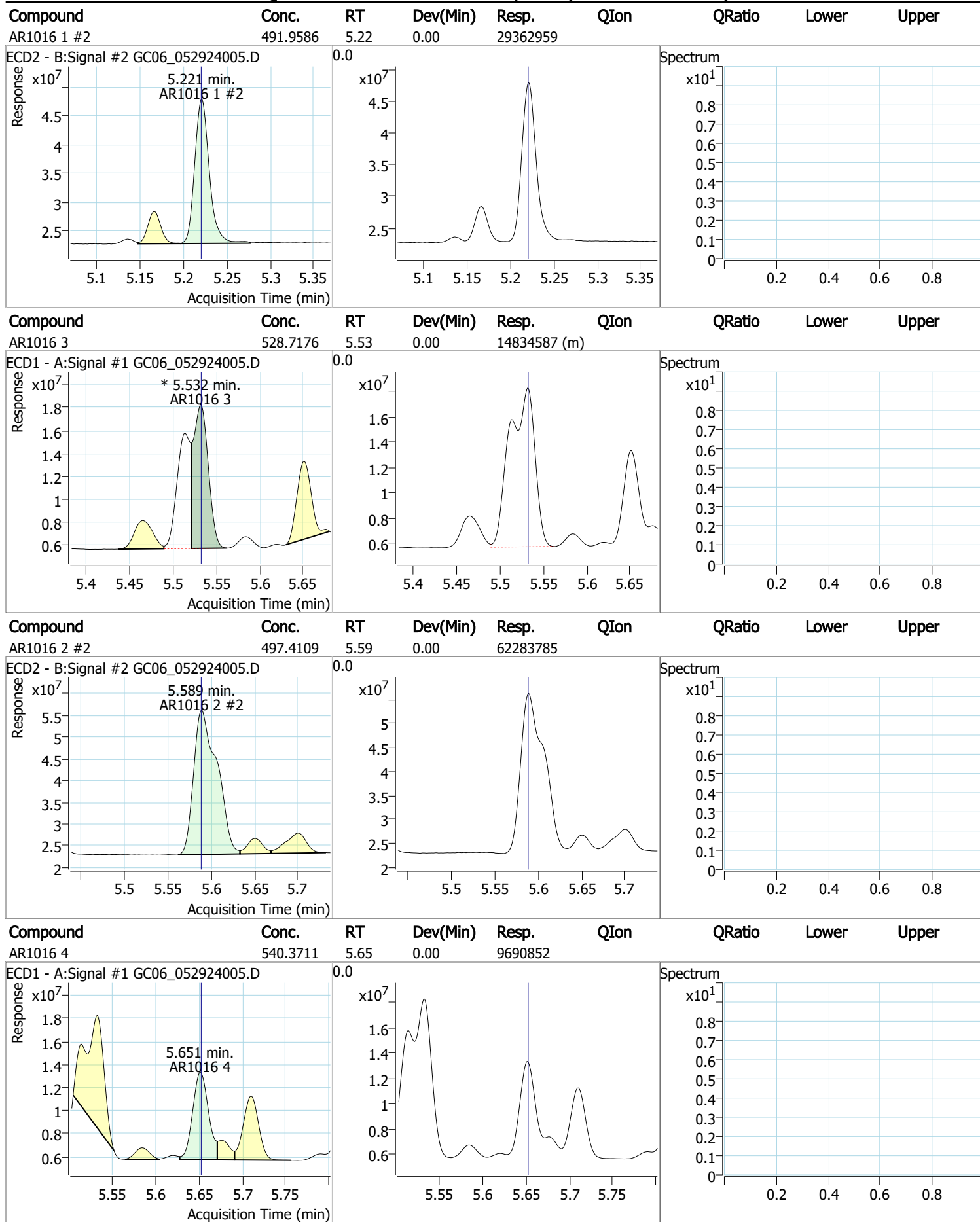


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	538.8720	5.13	0.00	11783755				

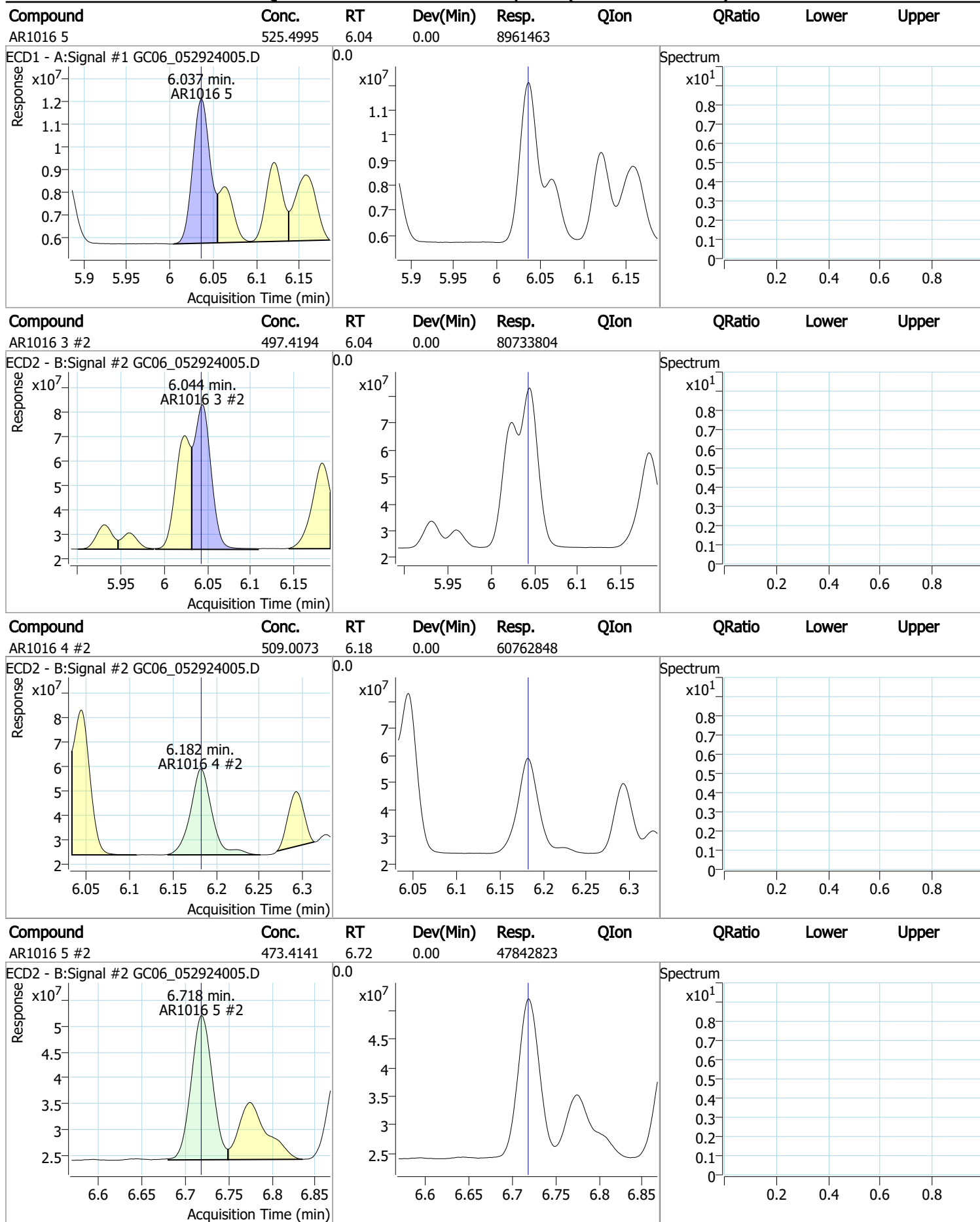
ECD1 - A:Signal #1 GC06_052924005.D



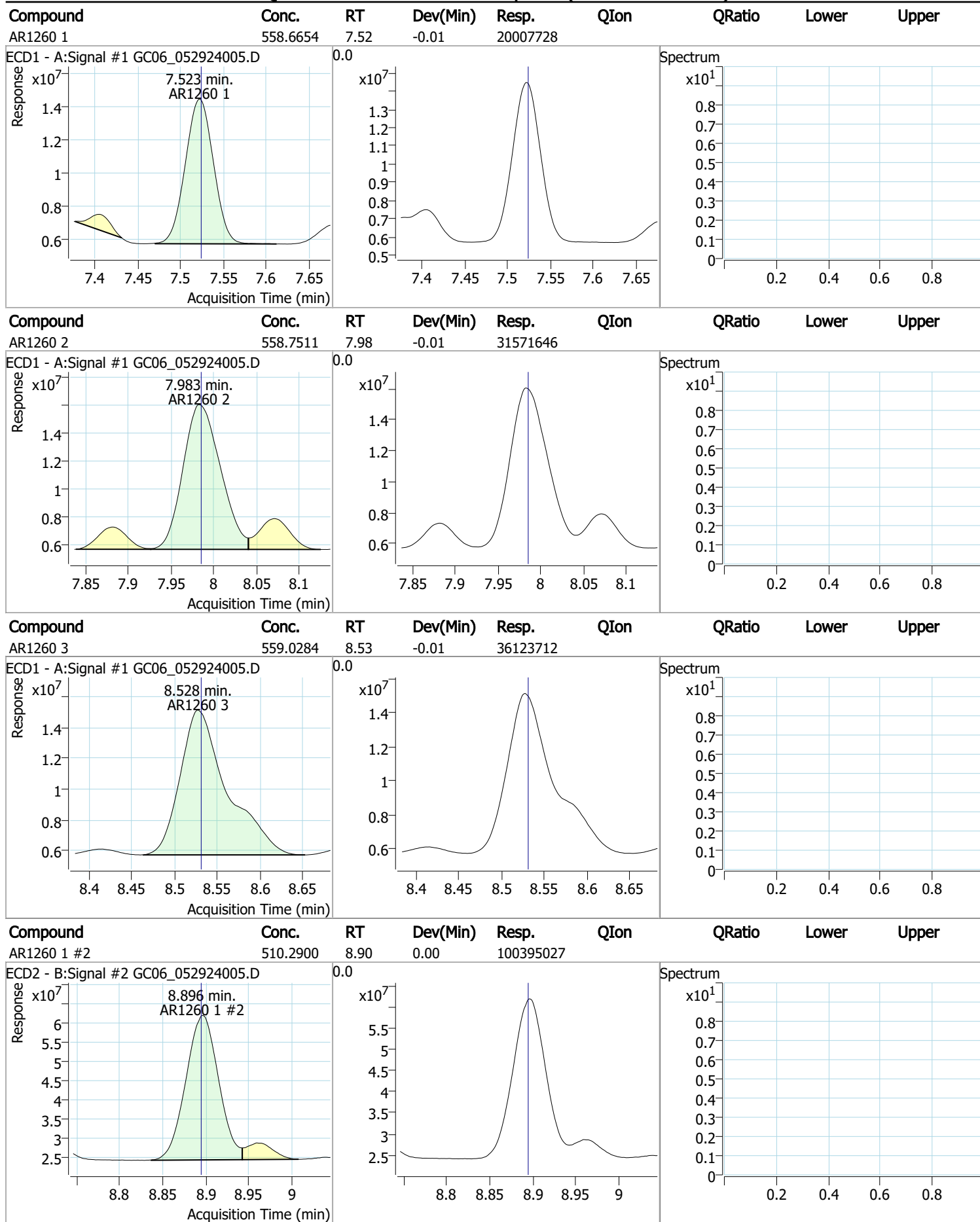
Quantitation Results Report (Not Reviewed)



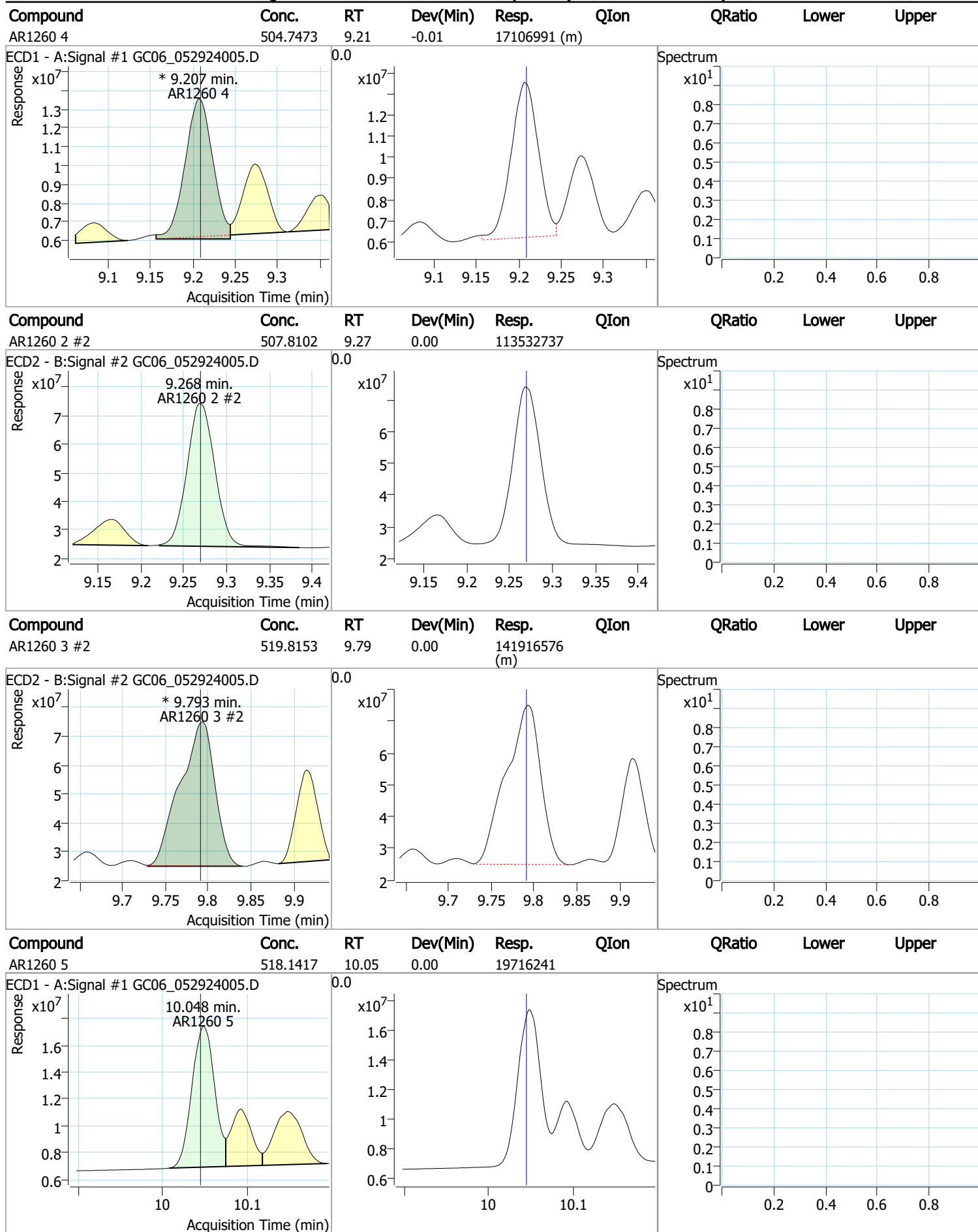
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

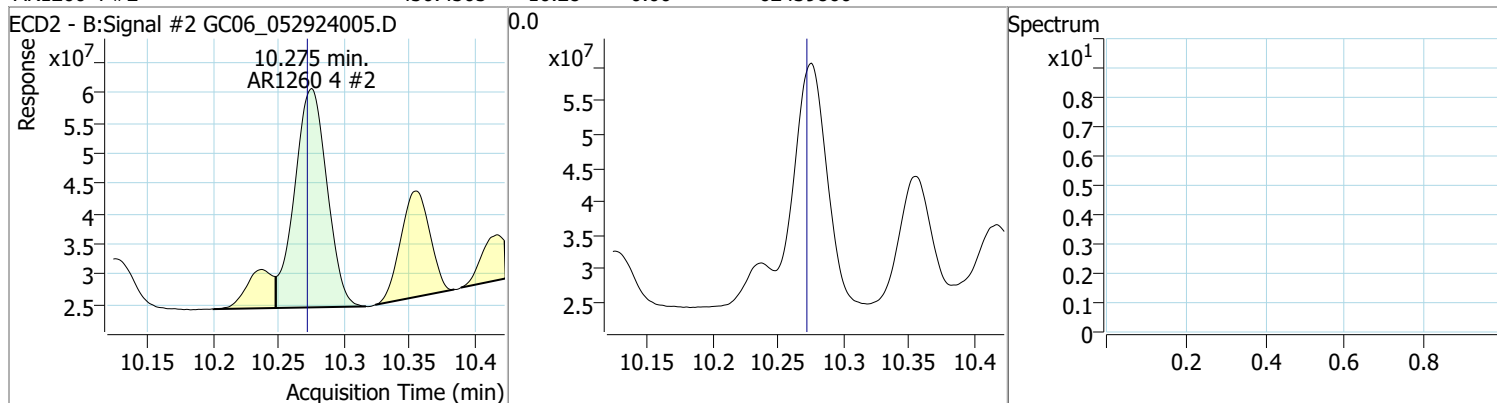


Quantitation Results Report (Not Reviewed)

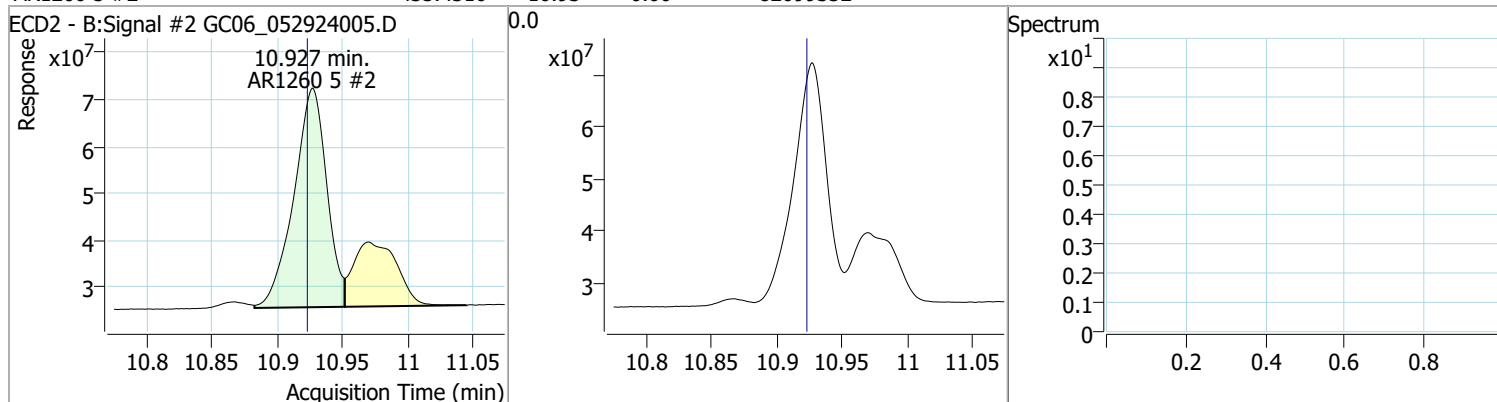


Quantitation Results Report (Not Reviewed)

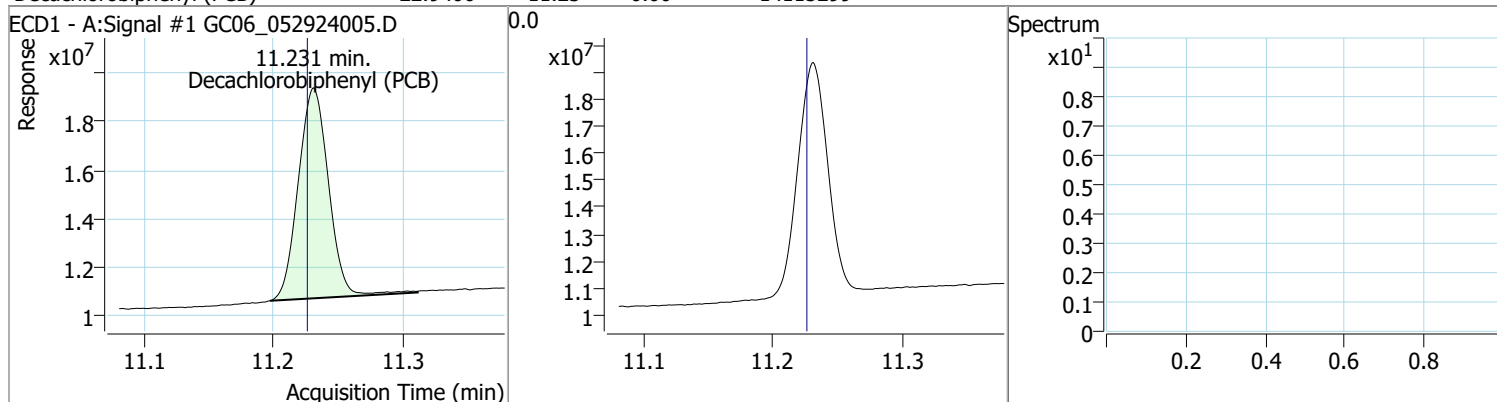
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	450.4505	10.28	0.00	62439860				



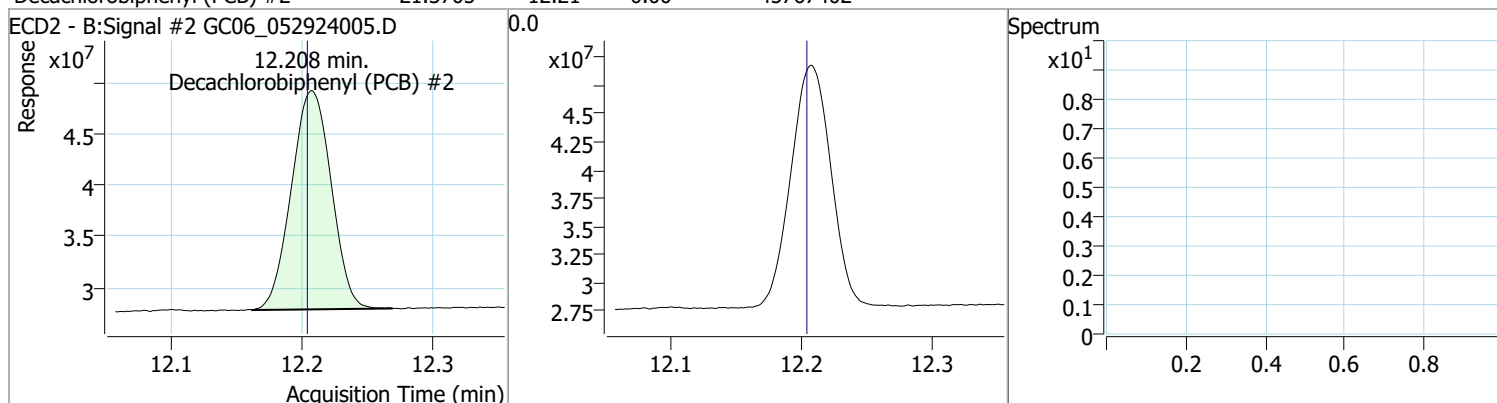
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	435.4310	10.93	0.00	82099332				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	22.9406	11.23	0.00	14115299				

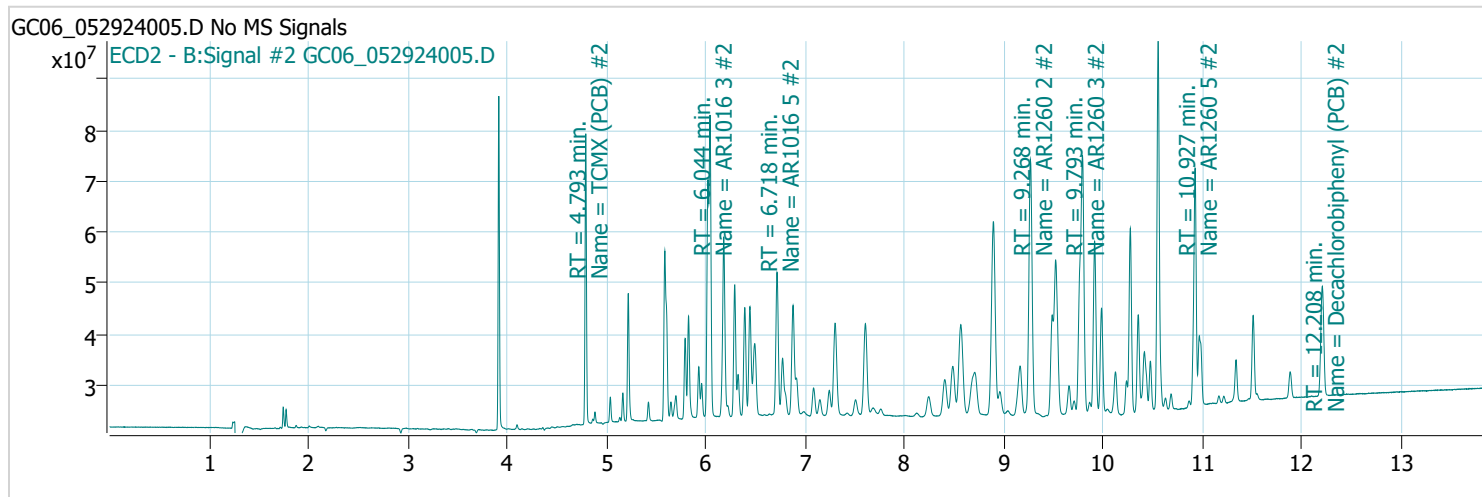
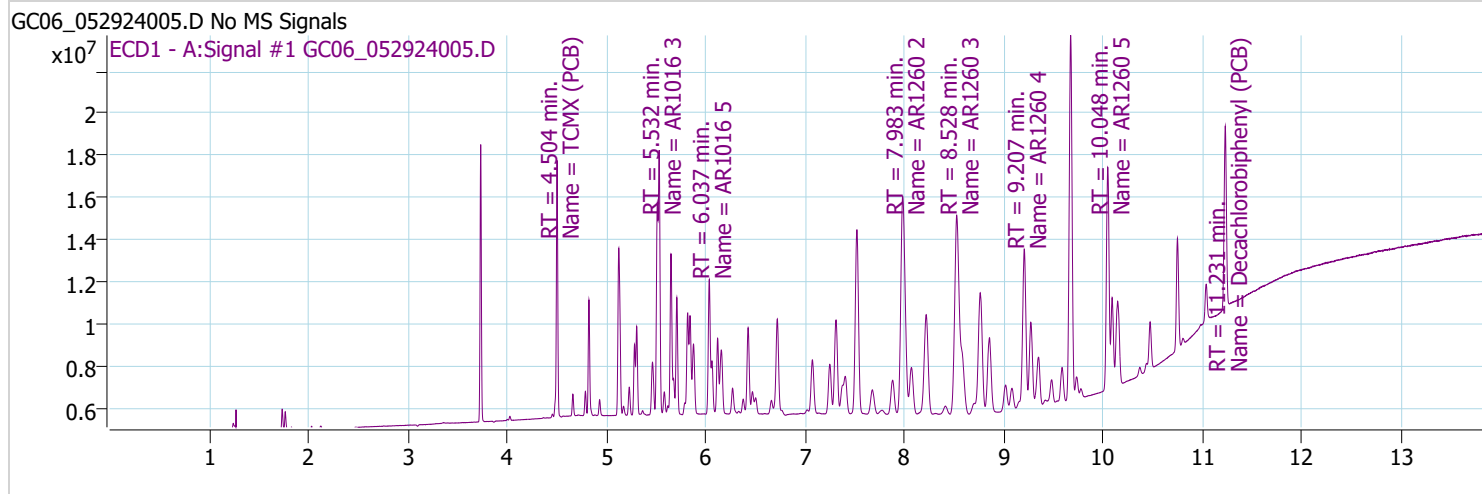


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.3705	12.21	0.00	45767402				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052924005.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	5/29/2024 10:41:31 AM
Sample Name	ICV, S20827	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_01.m	Comment	500 ppb PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	052924-PCB.batch.bin	Last Calib Update	5/29/2024 8:08:32 AM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.736	0.0	11407981.6 56	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	3.918	0.0	59300606.6 85	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.504	0.0	12219622.5 70	23.1753	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.88%		
S TCMX (PCB) #2	4.793	0.0	56961047.7 04	21.7942	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 108.97%		
S Decachlorobiphenyl (PCB)	11.231	0.0	14115299.4 43	22.9406	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 114.70%		
S Decachlorobiphenyl (PCB) #2	12.208	0.0	45767401.7 49	21.3705	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 106.85%		

Target Compounds

GC06_052924005.D

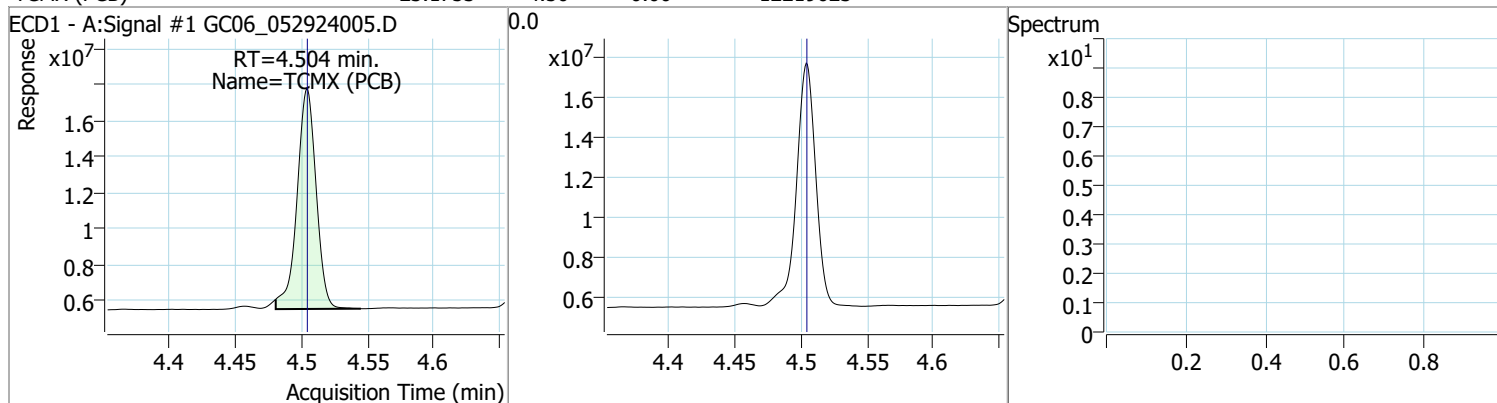
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.825	0.0	5785584.956	516.7189	ng/ml	100
T AR1016 2	5.126	0.0	11783754.525	538.8720	ng/ml	100
T AR1016 1 #2	5.221	0.0	29362959.211	491.9586	ng/ml	100
T AR1016 3	5.532	0.0	14834586.680	498.4684	ng/ml m	100
T AR1016 2 #2	5.589	0.0	62283784.680	497.4109	ng/ml	100
T AR1016 4	5.651	0.0	9690852.067	540.3711	ng/ml	100
T AR1016 5	6.037	0.0	8961462.786	525.4995	ng/ml	100
T AR1016 3 #2	6.044	0.0	80733803.931	497.4194	ng/ml	100
T AR1016 4 #2	6.182	0.0	60762847.744	509.0073	ng/ml	100
T AR1016 5 #2	6.718	0.0	47842823.406	473.4141	ng/ml	100
T AR1260 1	7.523	0.0	20007728.026	558.6654	ng/ml	100
T AR1260 2	7.983	0.0	31571646.392	558.7511	ng/ml	100
T AR1260 3	8.528	0.0	36123711.635	559.0284	ng/ml	100
T AR1260 1 #2	8.896	0.0	100395027.357	510.2900	ng/ml	100
T AR1260 4	9.207	0.0	17106990.727	504.7473	ng/ml m	100
T AR1260 2 #2	9.268	0.0	113532737.111	507.8102	ng/ml	100
T AR1260 3 #2	9.793	0.0	141916575.570	519.8153	ng/ml m	100
T AR1260 5	10.048	0.0	19716240.516	518.1417	ng/ml	100
T AR1260 4 #2	10.275	0.0	62439859.725	450.4505	ng/ml	100
T AR1260 5 #2	10.927	0.0	82099332.039	435.4310	ng/ml	100

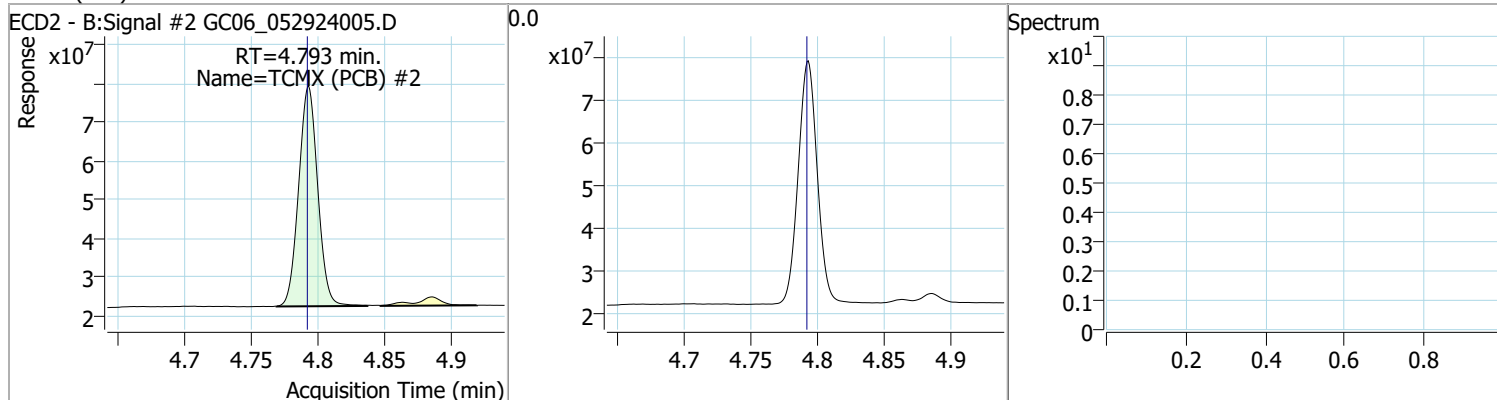
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

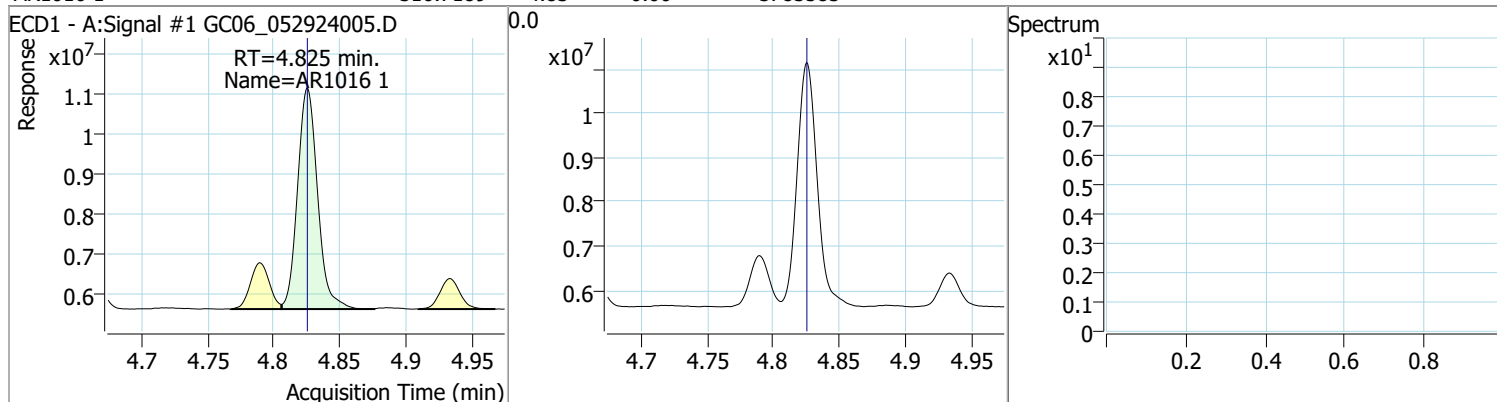
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	23.1753	4.50	0.00	12219623				



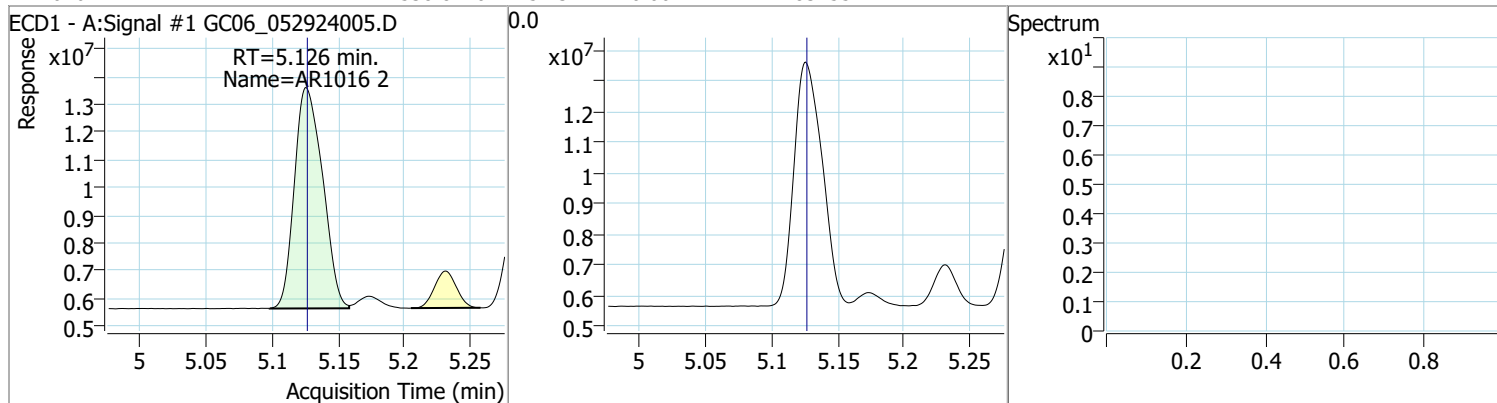
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	21.7942	4.79	0.00	56961048				



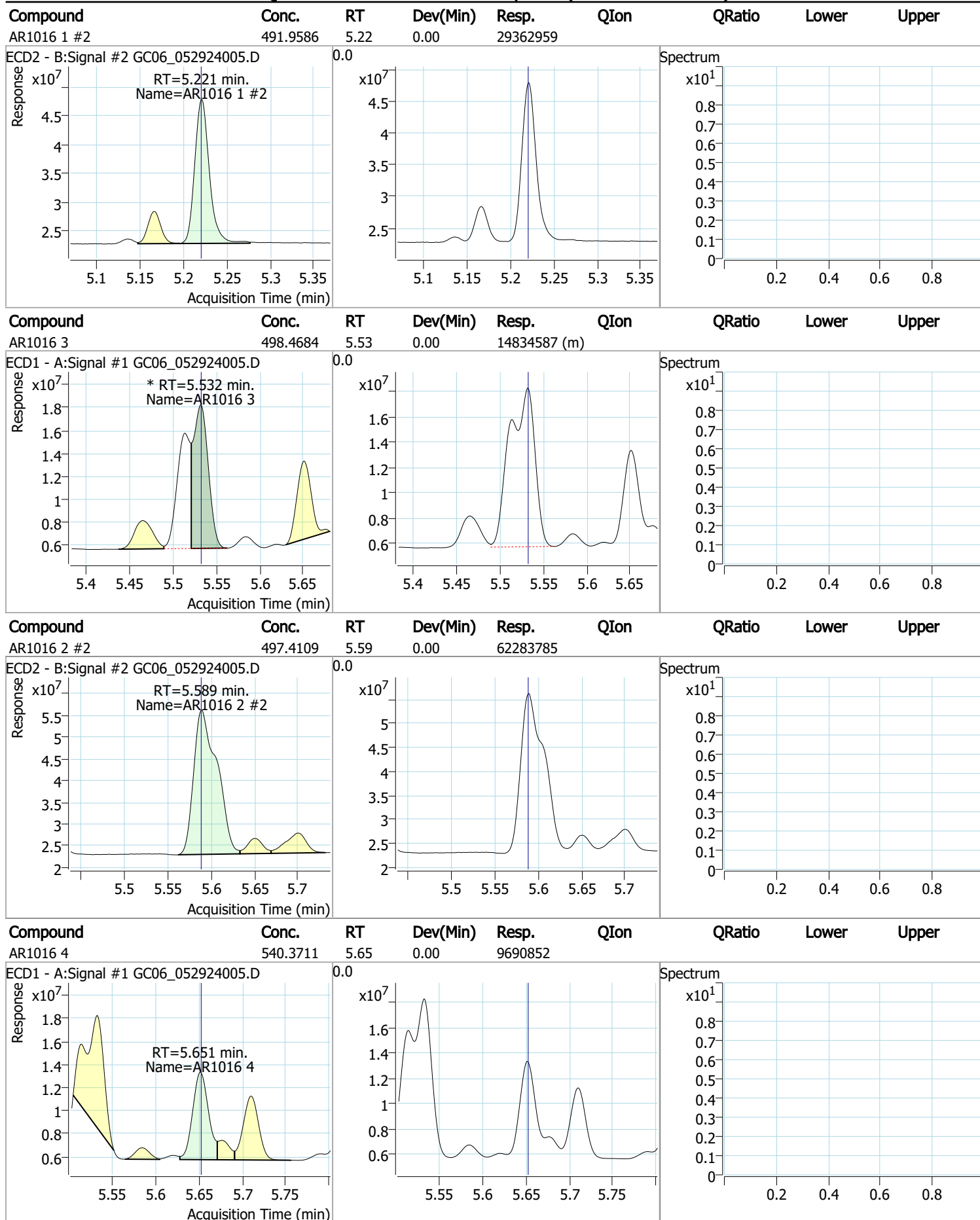
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	516.7189	4.83	0.00	5785585				



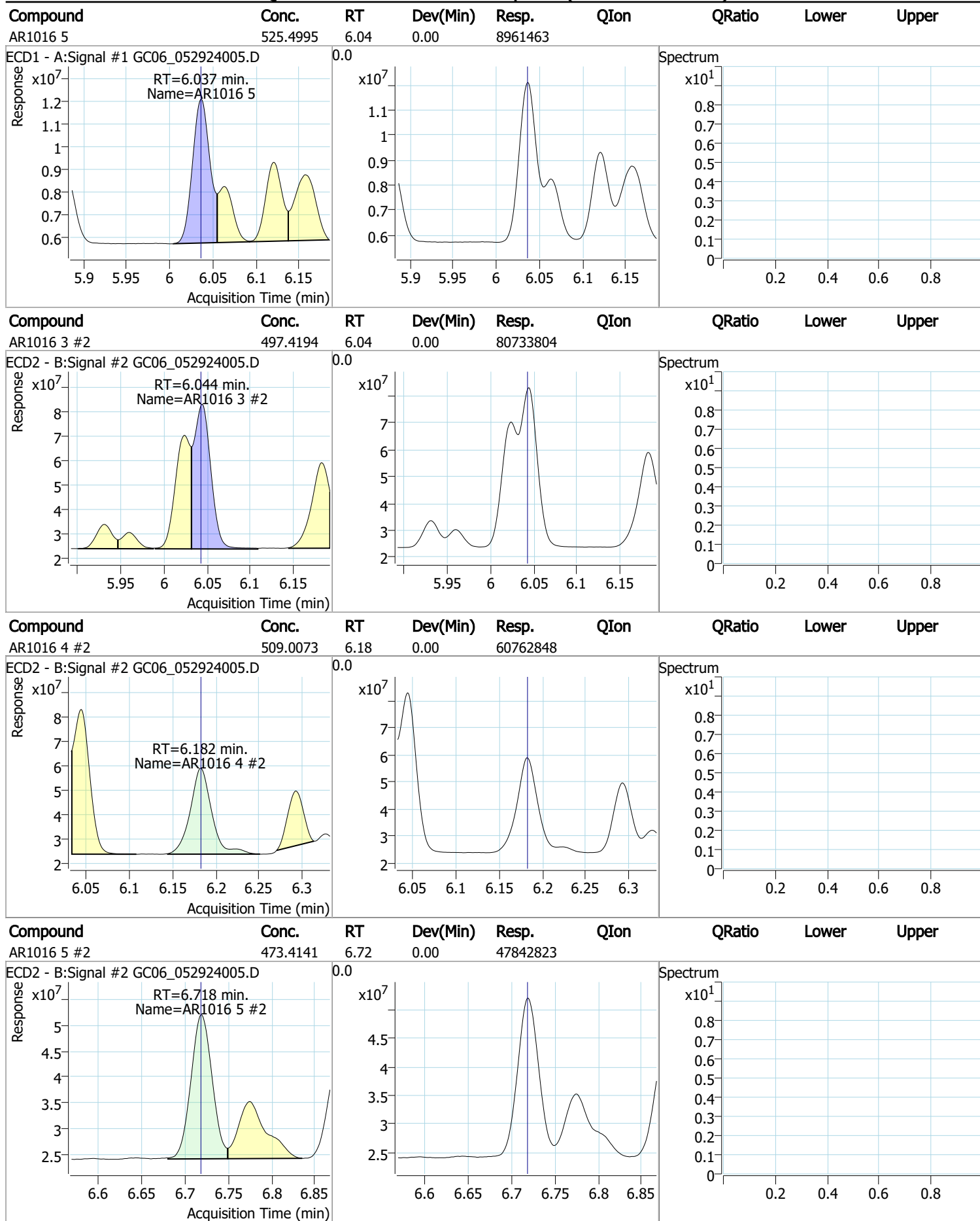
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	538.8720	5.13	0.00	11783755				



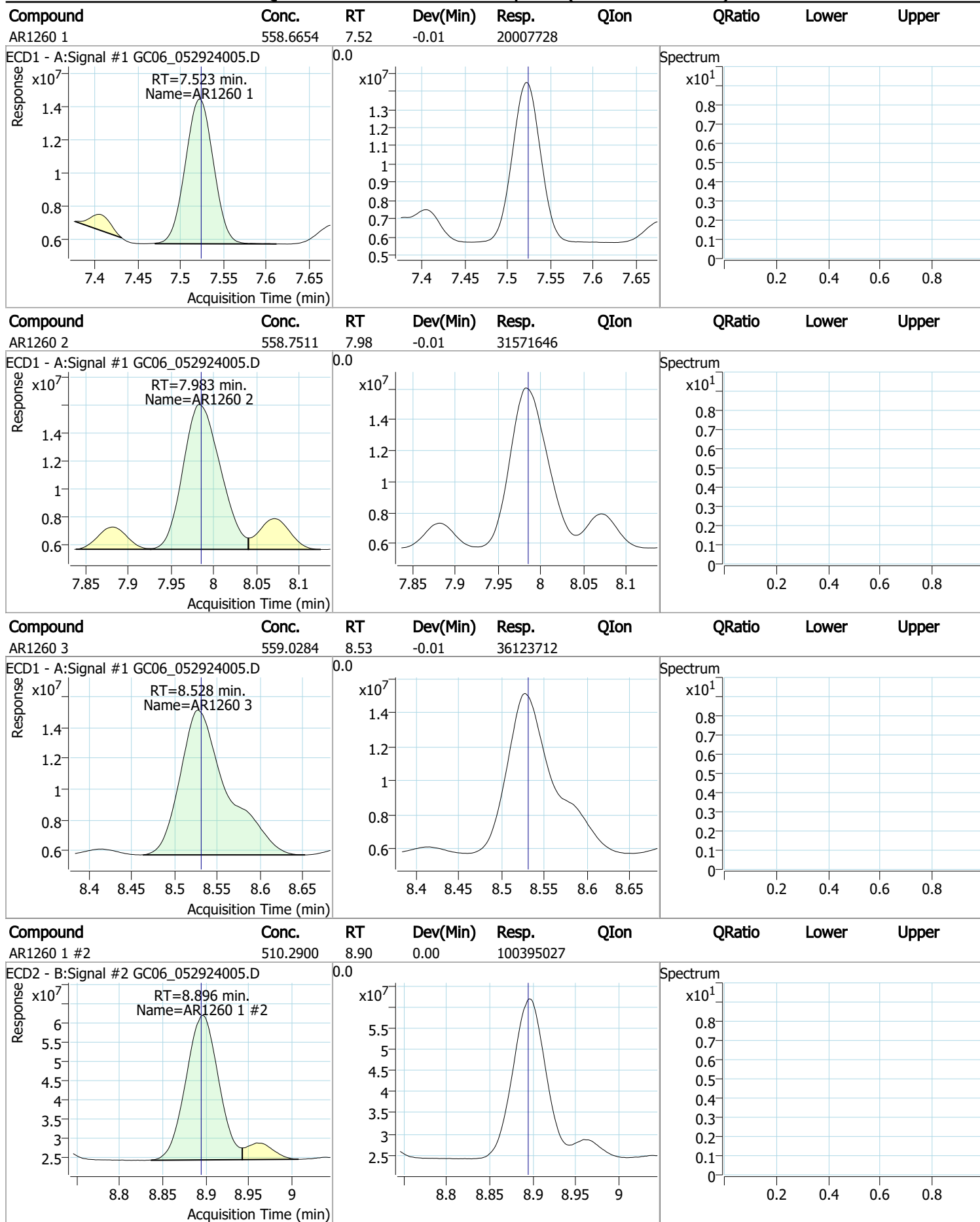
Quantitation Results Report (Not Reviewed)



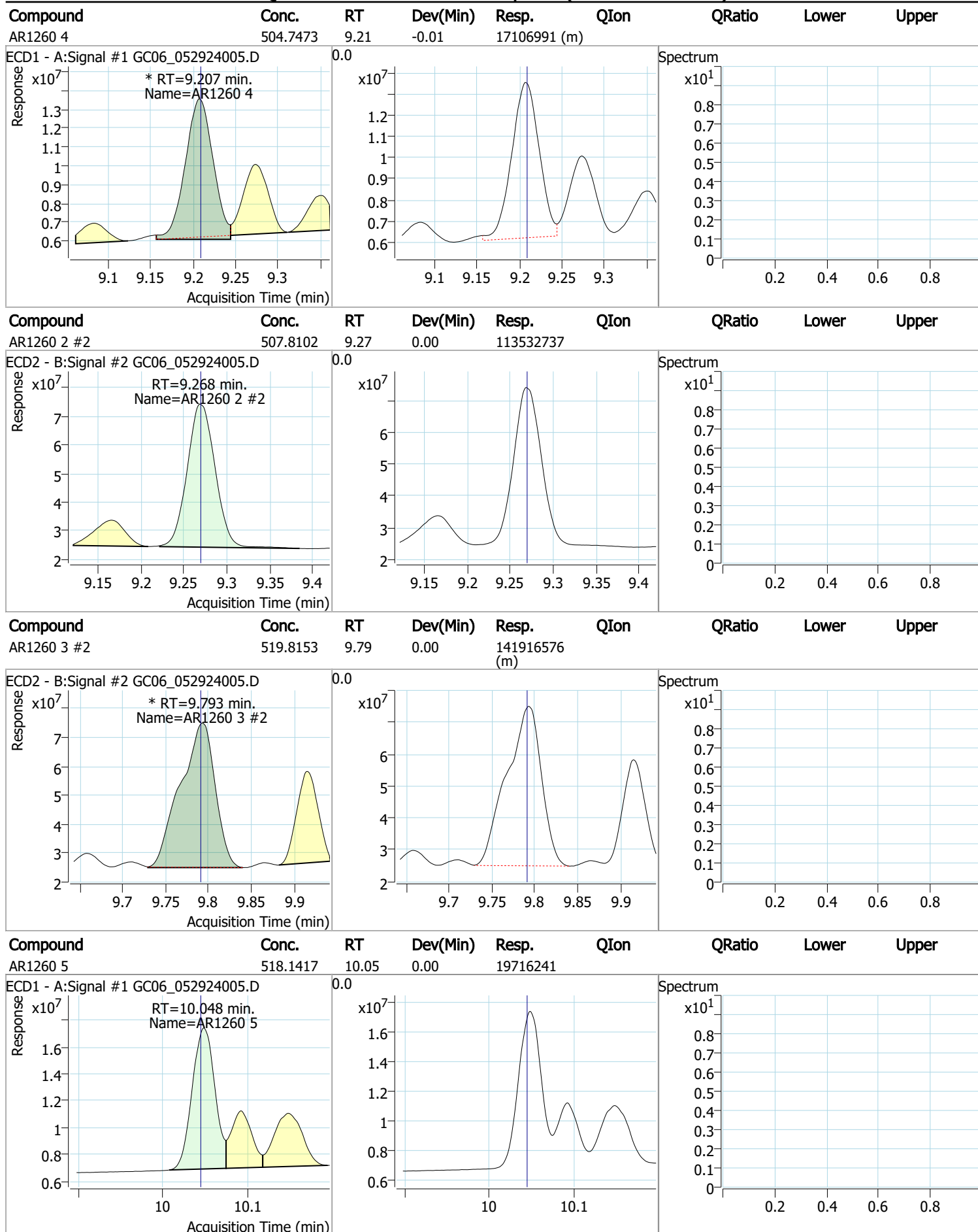
Quantitation Results Report (Not Reviewed)



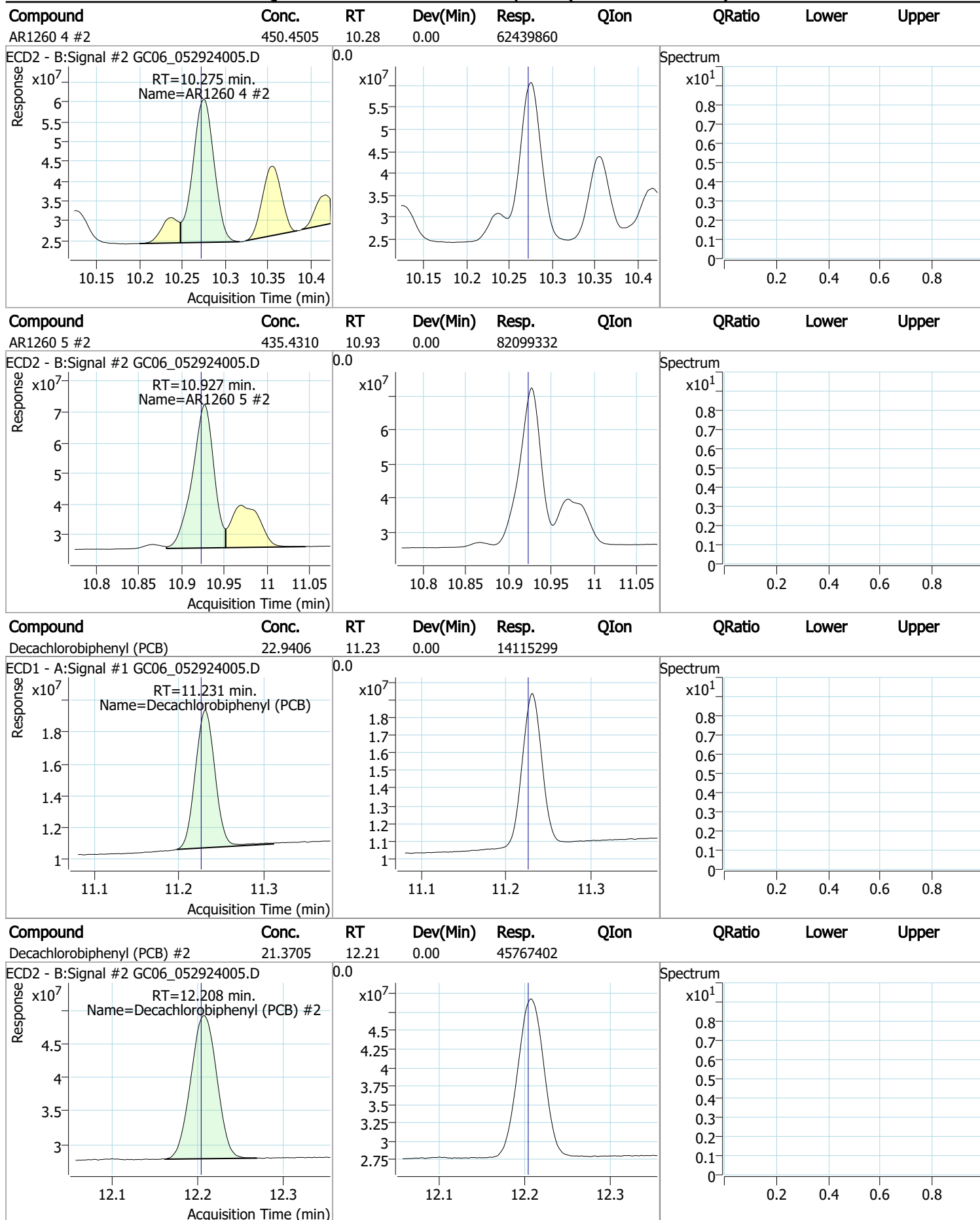
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 509117 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_060324004	IDF: 1.0
Seqnum: 454224018004	Caldate: 28-MAY-2024	Time: 03-JUN-2024 14:15
Cal: 454215118005		

Standards: S20894

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	474.4	ug/L	-5	15	0.0000	
Aroclor-1260	A			500.0	432.1	ug/L	-14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.0787	0.9232	40.00	34.23	ug/L	-14	15	0.0000	
TCMX (PCB)	A	0.9244	0.8502	40.00	36.79	ug/L	-8	15	0.0000	
Aroclor-1016	B			500.0	437.6	ug/L	-12	15	0.0000	
Aroclor-1260	B			500.0	434.4	ug/L	-13	15	0.0000	
Decachlorobiphenyl (PCB)	B	0.7223	0.6152	40.00	34.07	ug/L	-15	15	0.0000	
TCMX (PCB)	B	0.8815	0.8058	40.00	36.57	ug/L	-9	15	0.0000	

ISTD (ICAL gc06_052824031)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45338330	50728464	11.89
1-bromo-2-nitrobenzene (PCB)	A	10028486	9322089	-7.04

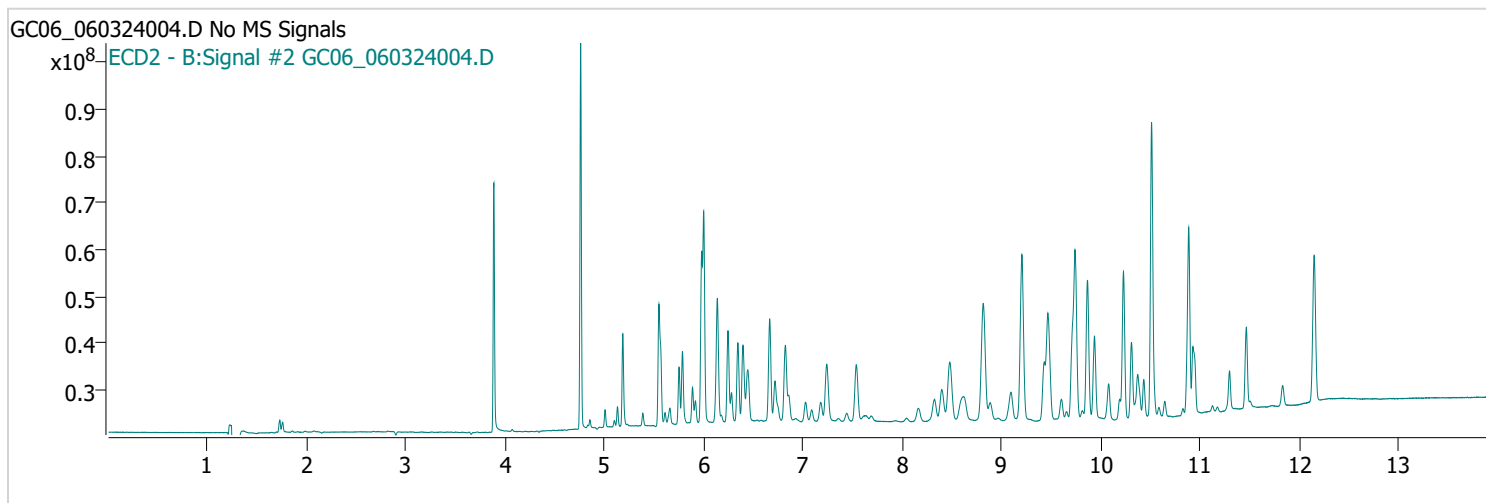
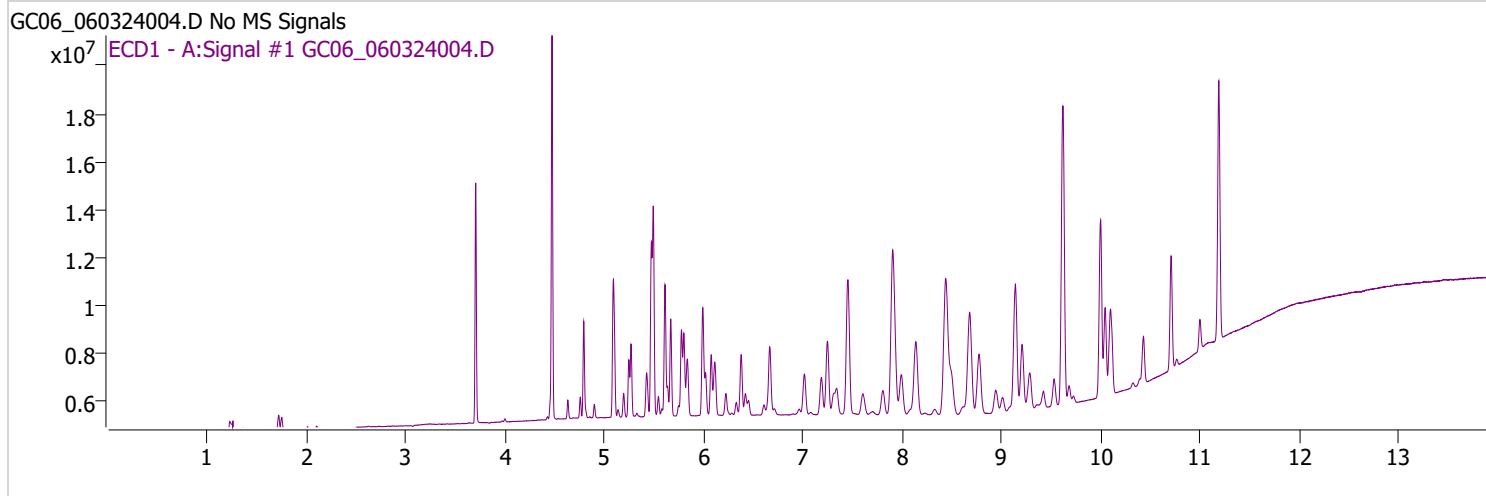
06/03/24 : 500 PPB PCB CCV

MES 06/04/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

Reviewed By: MES 06/04/24, BLB 06/04/24, MTS 06/06/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_060324004.D	Operator	
Acq. Method	Acq_Pesticide_122221_4	Acq. Date-Time	6/3/2024 2:15:09 PM
Sample Name	CCV, S20673	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_052824_GC06_05.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	060324-PCB.batch.bin	Last Calib Update	5/30/2024 2:30:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.699	0.0	9322088.66 5	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.883	0.0	50728463.8 34	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.468	0.0	15850374.5 14	36.7877	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.94%	*	
S TCMX (PCB) #2	4.757	0.0	81755051.9 16	36.5666	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.83%	*	
S Decachlorobiphenyl (PCB)	11.187	0.0	17212827.6 82	34.2343	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.17%	*	
S Decachlorobiphenyl (PCB) #2	12.147	0.0	62417579.9 94	34.0700	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.35%	*	

Target Compounds

QValue

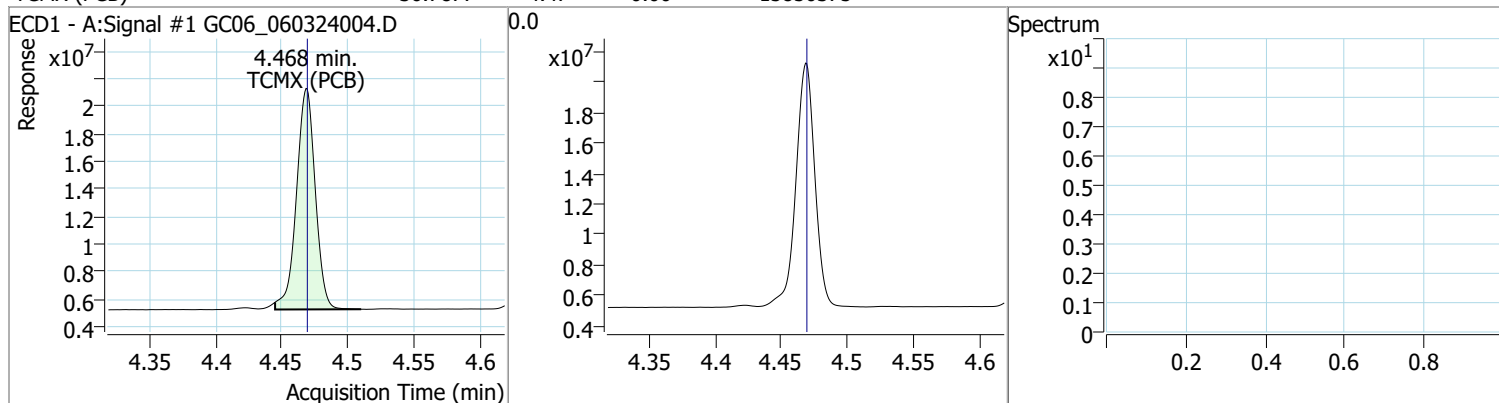
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.788	0.0	4383771.08 8	479.1268	ng/ml	100
T AR1016 2	5.087	0.0	8555245.75 3	478.7734	ng/ml	100
T AR1016 1 #2	5.182	0.0	22519293.5 88	441.0531	ng/ml	100
T AR1016 3	5.488	0.0	10797952.4 47	470.9614	ng/ml m	100
T AR1016 2 #2	5.546	0.0	48368164.9 09	451.5515	ng/ml	100
T AR1016 4	5.607	0.0	6997377.58 9	477.4864	ng/ml	100
T AR1016 5	5.988	0.0	6489976.86 9	465.7278	ng/ml	100
T AR1016 3 #2	5.997	0.0	61577563.8 20	443.5037	ng/ml m	100
T AR1016 4 #2	6.134	0.0	44066632.6 98	431.5223	ng/ml	100
T AR1016 5 #2	6.662	0.0	36352612.7 37	420.5014	ng/ml	100
T AR1260 1	7.450	0.0	12617183.6 08	431.1338	ng/ml	100
T AR1260 2	7.901	0.0	19864868.9 96	430.2318	ng/ml	100
T AR1260 3	8.435	0.0	21994933.1 72	416.5429	ng/ml	100
T AR1260 1 #2	8.813	0.0	69606162.5 03	413.5804	ng/ml	100
T AR1260 4	9.137	0.0	12118775.4 98	437.5772	ng/ml	100
T AR1260 2 #2	9.203	0.0	80730251.4 75	422.1084	ng/ml	100
T AR1260 3 #2	9.738	0.0	100310089. 208	429.5047	ng/ml	100
T AR1260 5	9.996	0.0	13832438.4 86	444.8553	ng/ml	100
T AR1260 4 #2	10.226	0.0	54994815.3 42	463.7825	ng/ml	100
T AR1260 5 #2	10.883	0.0	71476172.0 74	443.1476	ng/ml	100

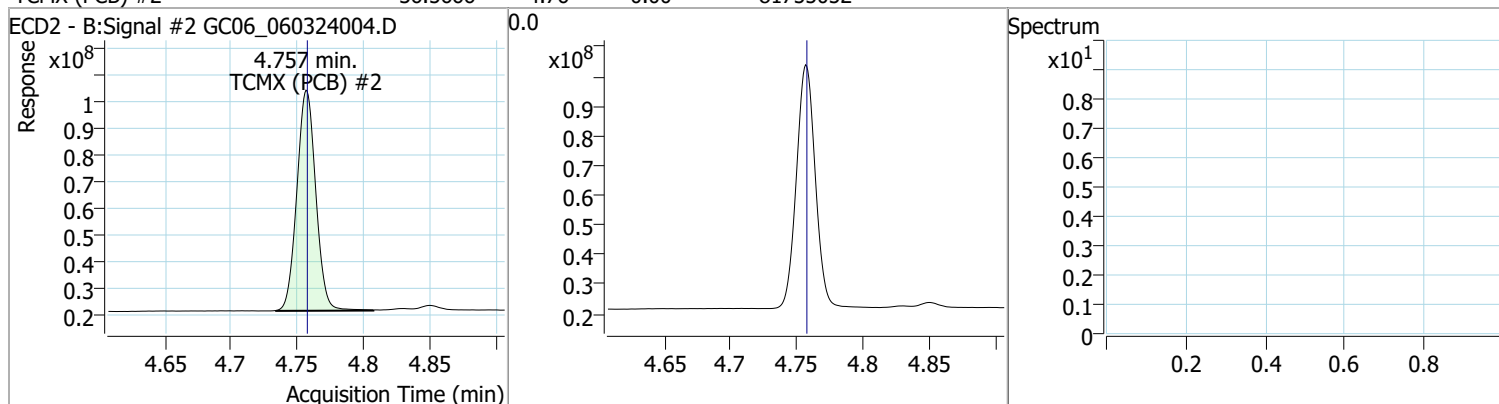
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

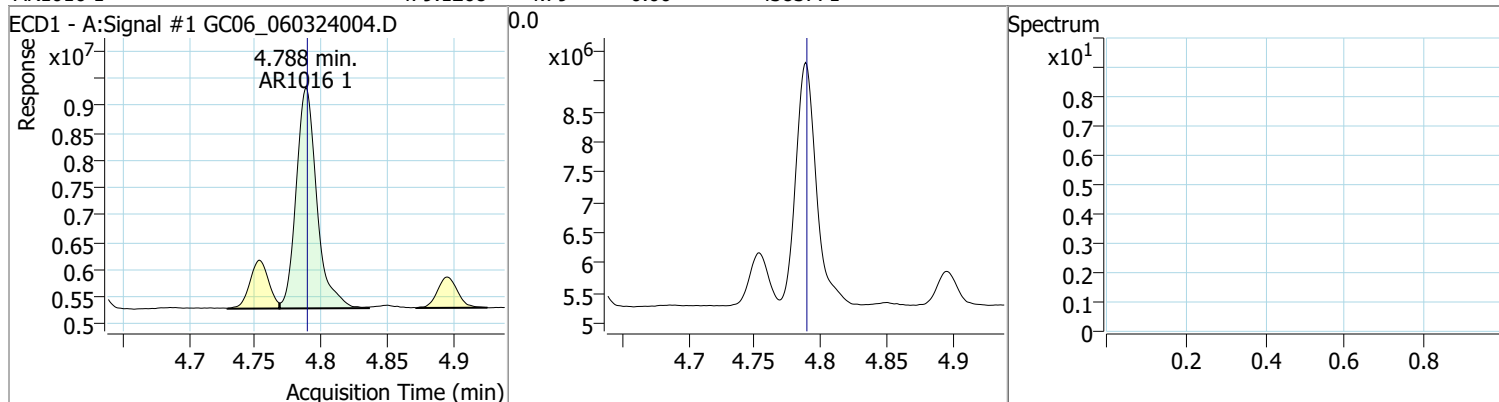
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.7877	4.47	0.00	15850375				



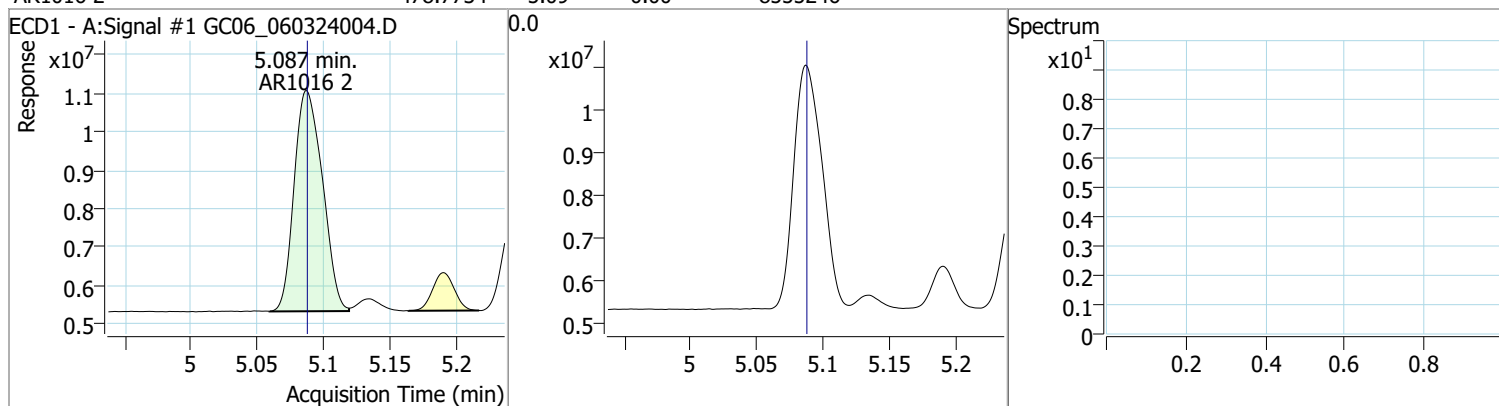
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.5666	4.76	0.00	81755052				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	479.1268	4.79	0.00	4383771				

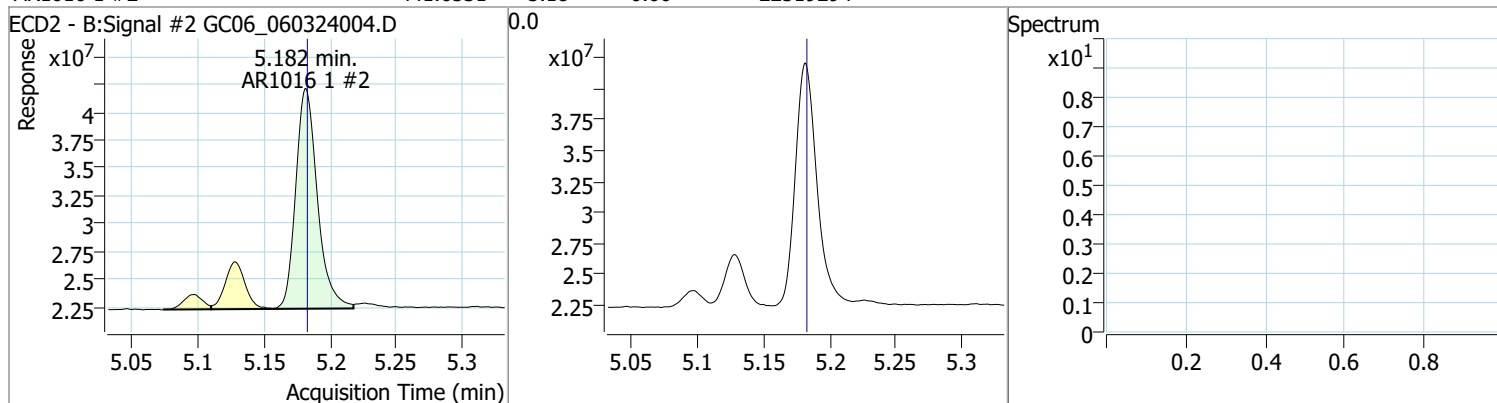


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	478.7734	5.09	0.00	8555246				

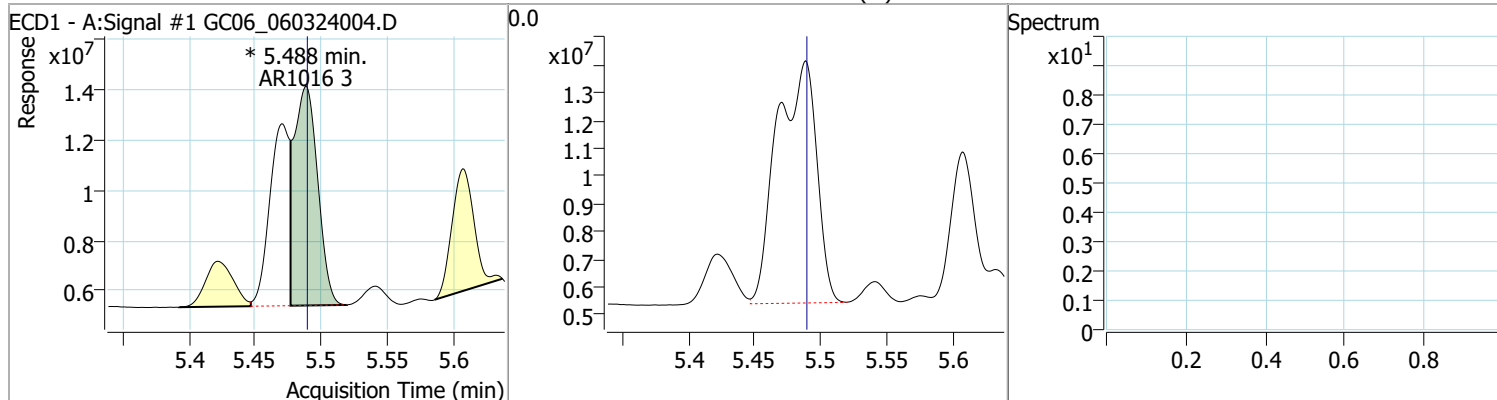


Quantitation Results Report (Not Reviewed)

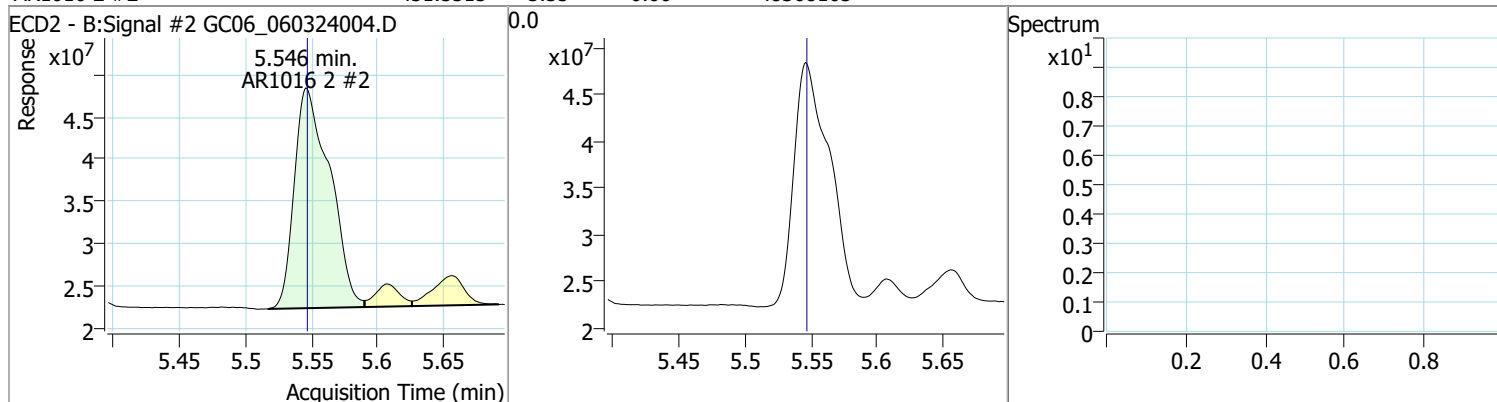
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	441.0531	5.18	0.00	22519294				



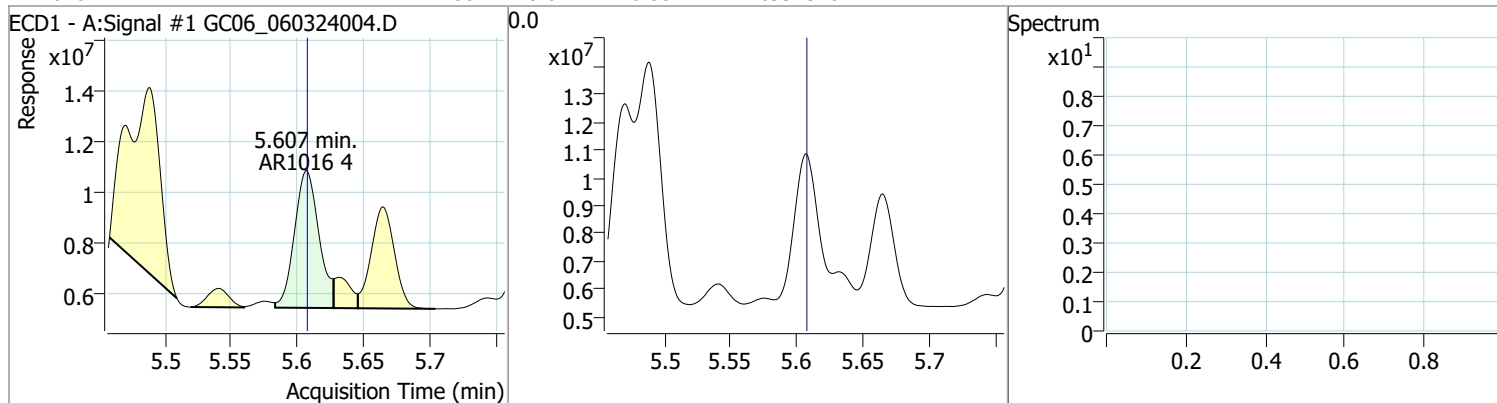
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	470.9614	5.49	0.00	10797952 (m)				



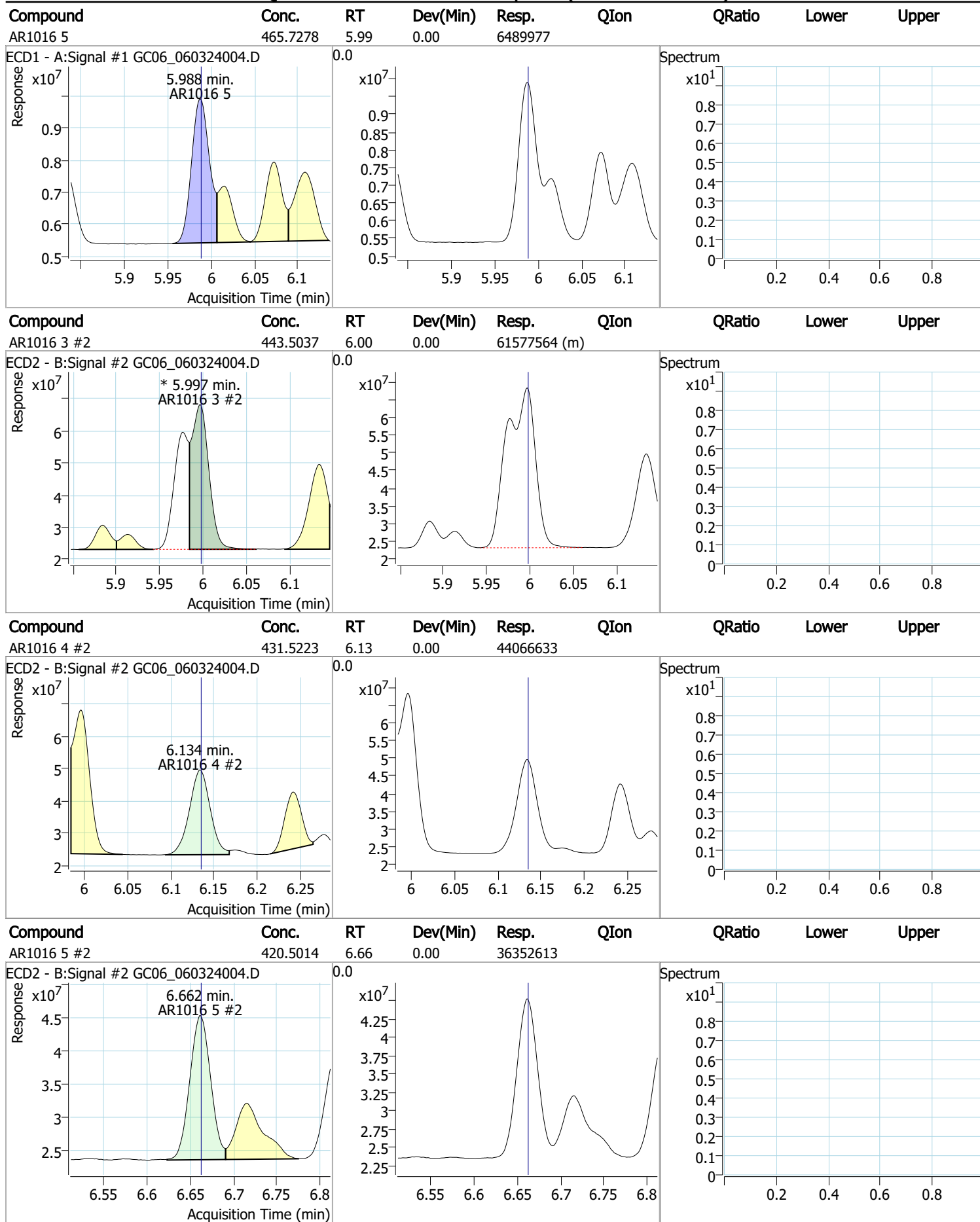
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	451.5515	5.55	0.00	48368165				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	477.4864	5.61	0.00	6997378				

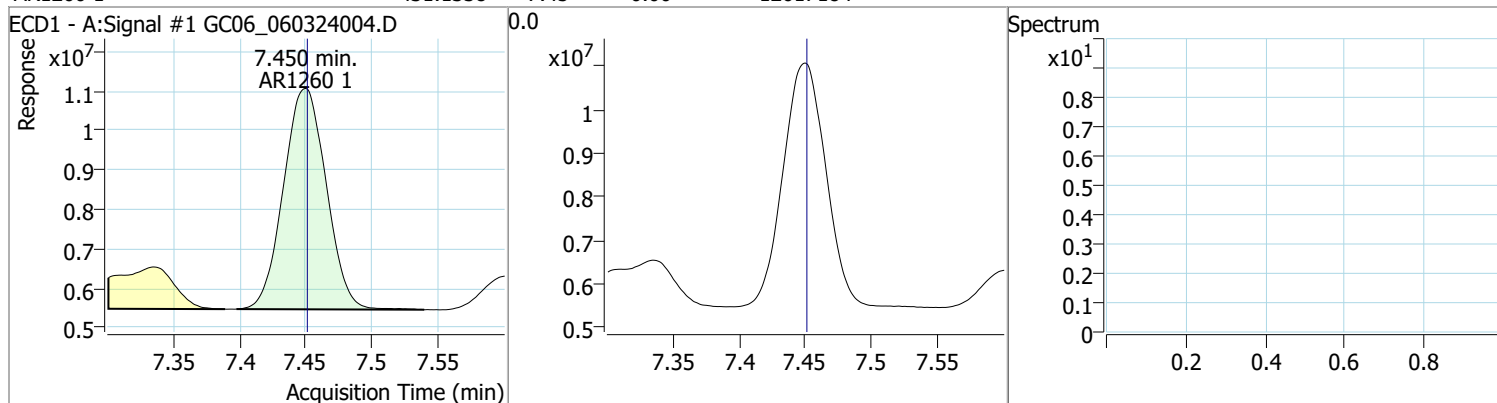


Quantitation Results Report (Not Reviewed)

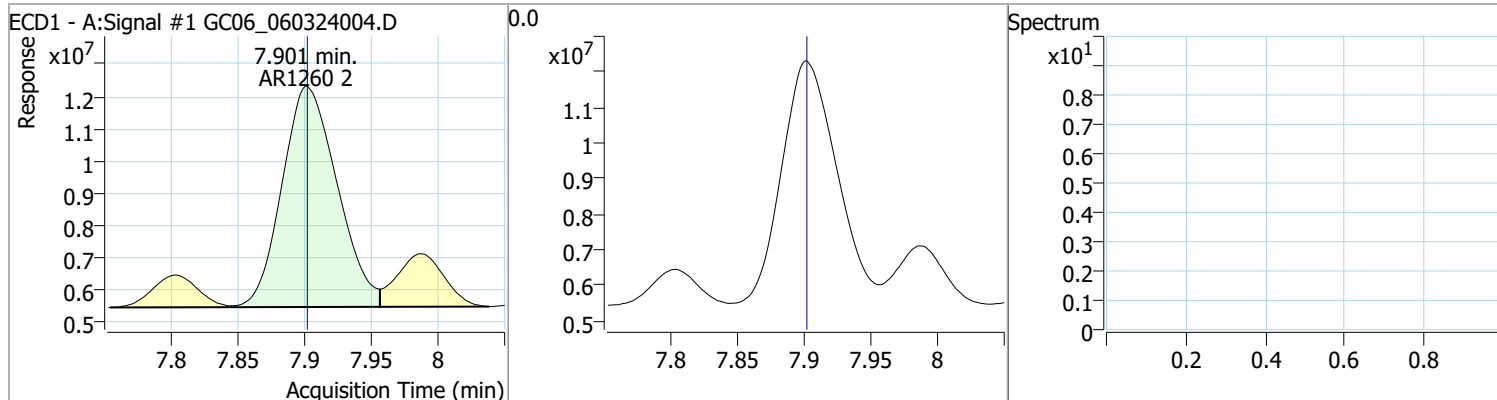


Quantitation Results Report (Not Reviewed)

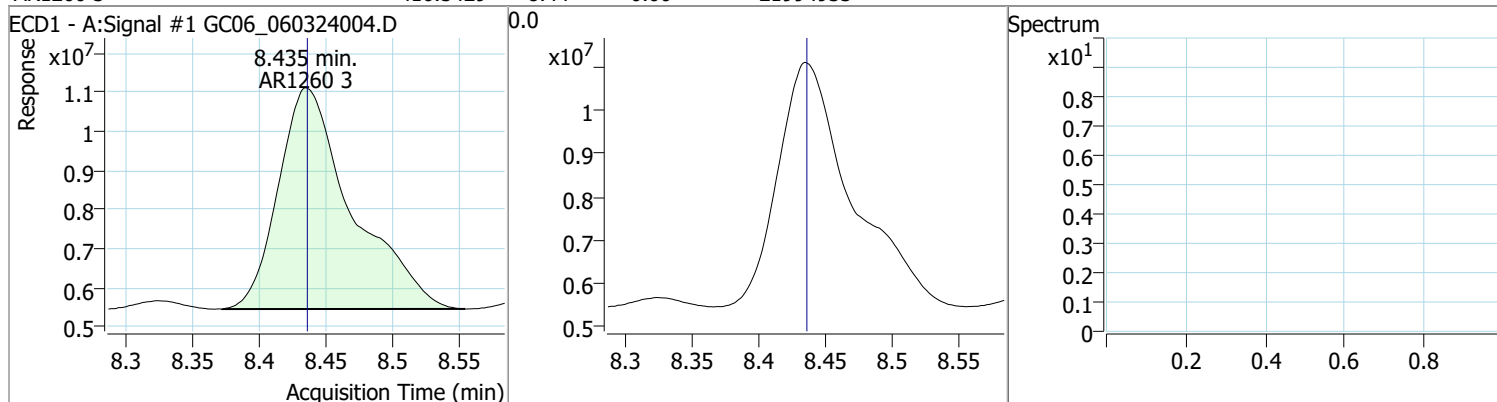
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	431.1338	7.45	0.00	12617184				



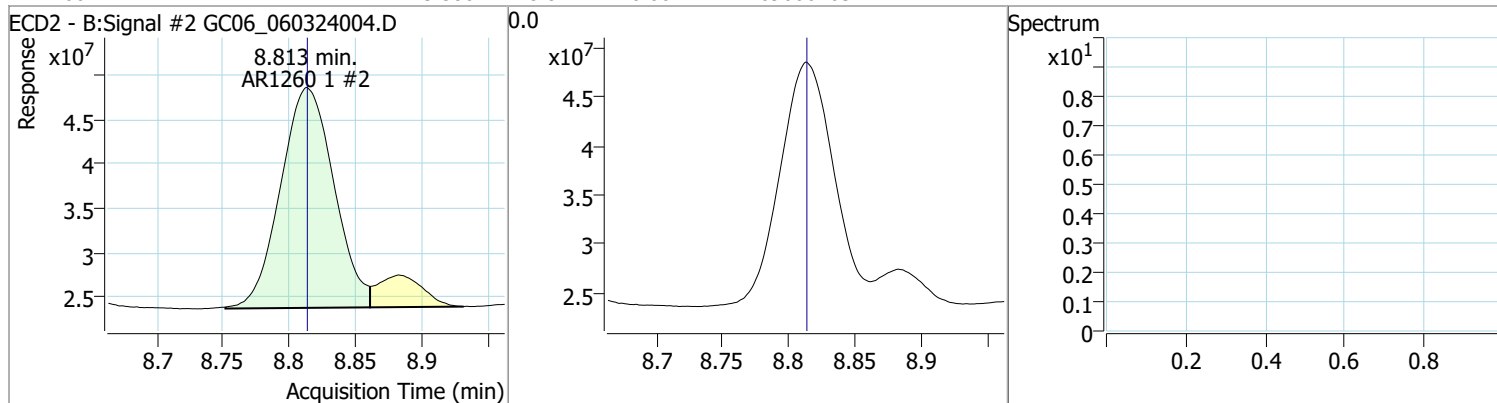
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	430.2318	7.90	0.00	19864869				



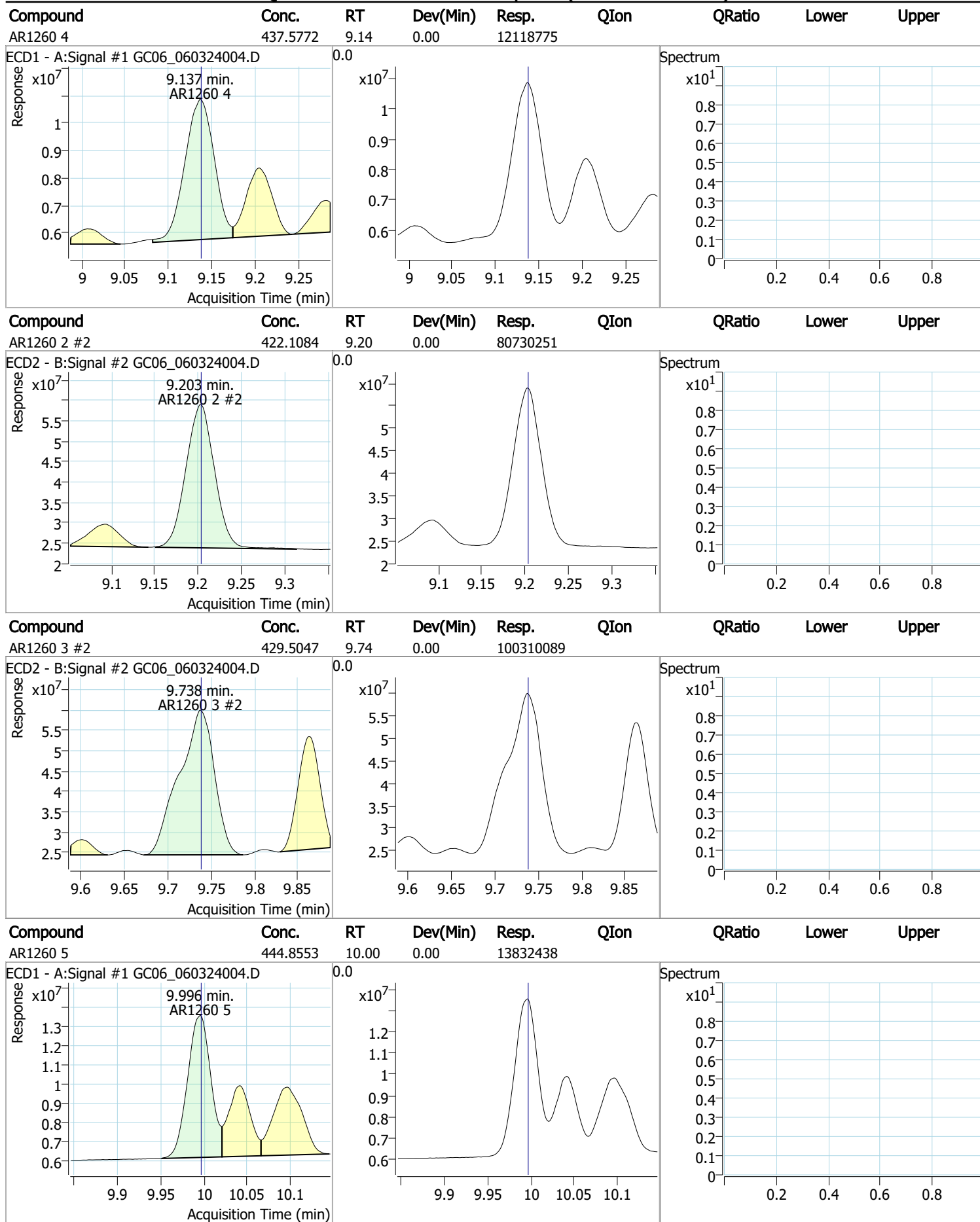
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	416.5429	8.44	0.00	21994933				



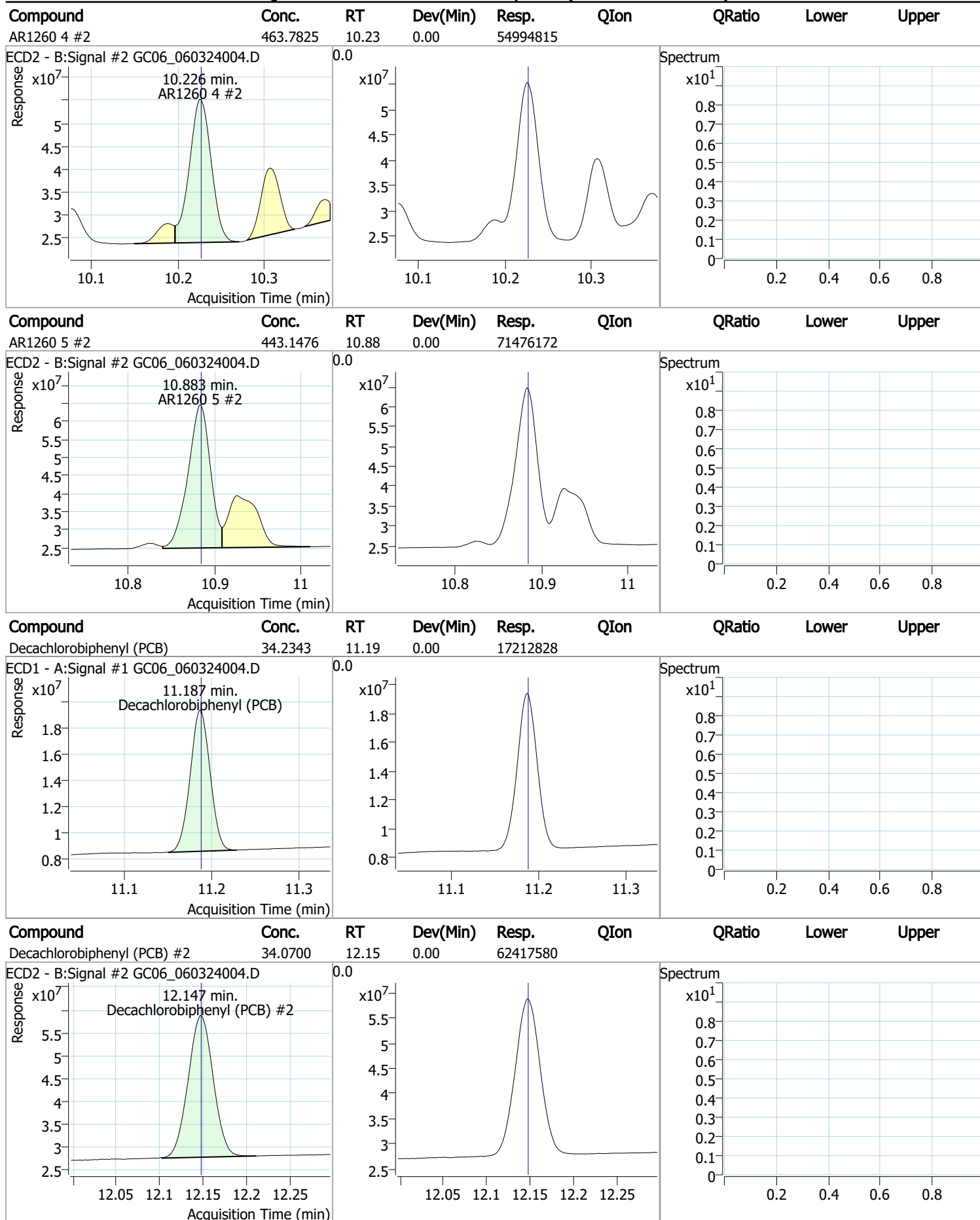
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	413.5804	8.81	0.00	69606163				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)





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

enthalpy.com

Lab Job Number : 509117
Report Level : IV
Report Date : 06/10/2024

Metals

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

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

Lab Job #: 509117
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/30/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.1GE-EXT-12 TO 13-240530-L-CB	509117-002	05/30/24 07:15	Wipe
DOOR-S-15.7GW-DG-13 TO 27-240530-L-LA	509117-004	05/30/24 07:30	Wipe
DOOR-S-15.1GW-DG-13 TO 27-240530-L-LA	509117-006	05/30/24 07:50	Wipe
DOOR-S-15.3GE-DG-12 TO 26-240530-L-LA	509117-009	05/30/24 08:00	Wipe
DOOR-S-15.5GE-DG-12 TO 26-240530-L-LA	509117-011	05/30/24 08:20	Wipe
DOOR-S-15.9GE-INT-26 TO 27-240530-L-CB	509117-013	05/30/24 08:30	Wipe
DOOR-S-15.9GE-INT-26 TO 27-240530-L-DUP-CB	509117-014	05/30/24 08:30	Wipe
DOOR-S-15.3GW-INT-26 TO 27-240530-L-CB	509117-016	05/30/24 08:55	Wipe
DOOR-S-15.3GW-INT-26 TO 27-240530-L-DUP-CB	509117-017	05/30/24 08:55	Wipe
DOOR-S-15.2GE-EXT-10 TO 11-240530-L-CB	509117-019	05/30/24 09:20	Wipe
DOOR-S-15.7GE-DG-11 TO 25-240530-L-LA	509117-021	05/30/24 09:30	Wipe
DOOR-S-15.7GW-DG-11 TO 25-240530-L-LA	509117-023	05/30/24 09:40	Wipe

Case Narrative

METALS (EPA 6010B)

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

Lab Job 509117
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 05/30/24

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 05/31/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

509117

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID:		Standard:		3 Day:	
Page: 1 of 2		X (PCBs)		1 Day: X (PB)	
Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other		Sample Receipt Temp:	
Report: Level IV		Report: Level IV		(lab use only)	
ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: D. WILSON			
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		ANALYSIS REQUEST PCBs - EPA Method 3546/8082 Lead by EPA Method 3050M/6010B HOLD Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm ² basis Report lead concentrations on a µg/ft ² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 8 Enclosure D (Low Occupancy)			
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 DOOR-S-15 1GE-EXT-12 TO 13-240530-P-CB	5/30/2024	0715	WP	1	--
2 DOOR-S-15 1GE-EXT-12 TO 13-240530-L-CB	5/30/2024	0715	WP	1	--
3 DOOR-S-15 7GW-DG-13 TO 27-240530-P-LA	5/30/2024	0730	WP	1	--
4 DOOR-S-15 7GW-DG-13 TO 27-240530-L-LA	5/30/2024	0730	WP	1	--
5 DOOR-S-15 1GW-DG-13 TO 27-240530-P-LA	5/30/2024	0750	WP	1	--
6 DOOR-S-15 1GW-DG-13 TO 27-240530-L-LA	5/30/2024	0750	WP	1	--
7 DOOR-S-15 3GE-DG-12 TO 26-240530-P-LA	5/30/2024	0800	WP	1	--
8 DOOR-S-15 3GE-DG-12 TO 26-240530-P-DUP-LA	5/30/2024	0800	WP	1	--
9 DOOR-S-15 3GE-DG-12 TO 26-240530-L-LA	5/30/2024	0800	WP	1	--
10 DOOR-S-15 5GE-DG-12 TO 26-240530-P-LA	5/30/2024	0820	WP	1	--
11 DOOR-S-15 5GE-DG-12 TO 26-240530-L-LA	5/30/2024	0820	WP	1	--
12 DOOR-S-15 9GE-INT-26 TO 27-240530-P-CB	5/30/2024	0830	WP	1	--
13 DOOR-S-15 9GE-INT-26 TO 27-240530-L-CB	5/30/2024	0830	WP	1	--
14 DOOR-S-15 9GE-INT-26 TO 27-240530-L-DUP-CB	5/30/2024	0830	WP	1	--
15 DOOR-S-15 3GW-INT-26 TO 27-240530-P-CB	5/30/2024	0855	WP	1	--
Signature		Print Name		Company / Title	
1 Relinquished By: [Signature]		Donald Wilson		Rincon / Env. Scientist	
1 Received By: [Signature]		AUDREY HUDSON		ENTHALPY	
2 Relinquished By: [Signature]		"		"	
2 Received By: [Signature]		MARSHALL WILSON		But	
3 Relinquished By: [Signature]		JOCK REIDSON		Enthalpy	
3 Received By: [Signature]		G. Kim		EA	
				MAY 31 2024 1030	

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



SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: Rincon Consultants 509117	Project: Hangar 1 NTCRA
Date Received: 5/31/24	Sampler's Name Present: ☒ Yes ☐ No

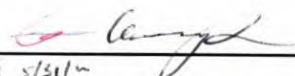
Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 2.5 #2: _____ #3: _____ #4: _____	
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)	
Shipping Information: _____	

Section 3	
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other _____	
Cooler Temp (°C): #1: 2.5 #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: 5/31/24

2.5/25

SOUTHWEST AIRLINES

Printed on:
30 MAY 19:03

526 OAK 1342 7842 

SNA				PC#
				3 OF
				5
				DG
				G
				LOT WT
				175 LB
				(79.5 KG)
OAK	WN 4558	31 MAY	06:05	
STN	FLT	DATE	ETD	LOT 01



PC ID: 0023
PC WT: 35Lb

526 13427842 0003

S

Results & QC Summary

Lead

Lab #: 509117		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.1GE-EXT-12 TO 13-240530-L-CB	Batch#: 341594	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509117-002	Received: 05/30/24	Analyst: RPS	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509117-002 Analyte		Result	RL Units
Lead		350	0.50 ug/ft2
Field ID: DOOR-S-15.7GW-DG-13 TO 27-240530-L-LA	Batch#: 341594	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509117-004	Received: 05/30/24	Analyst: RPS	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509117-004 Analyte		Result	RL Units
Lead		150	0.50 ug/ft2
Field ID: DOOR-S-15.1GW-DG-13 TO 27-240530-L-LA	Batch#: 341594	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509117-006	Received: 05/30/24	Analyst: RPS	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509117-006 Analyte		Result	RL Units
Lead		110	0.50 ug/ft2
Field ID: DOOR-S-15.3GE-DG-12 TO 26-240530-L-LA	Batch#: 341594	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509117-009	Received: 05/30/24	Analyst: RPS	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509117-009 Analyte		Result	RL Units
Lead		140	0.50 ug/ft2
Field ID: DOOR-S-15.5GE-DG-12 TO 26-240530-L-LA	Batch#: 341594	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509117-011	Received: 05/30/24	Analyst: RPS	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509117-011 Analyte		Result	RL Units
Lead		72	0.50 ug/ft2

Lead

Lab #: 509117		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.9GE-INT-26 TO 27-240530-L-CB	Batch#: 341594	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509117-013	Received: 05/30/24	Analyst: RPS	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509117-013 Analyte		Result	RL Units
Lead		230	0.50 ug/ft2
Field ID: DOOR-S-15.9GE-INT-26 TO 27-240530-L-DUP-CB	Batch#: 341594	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509117-014	Received: 05/30/24	Analyst: RPS	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509117-014 Analyte		Result	RL Units
Lead		280	0.50 ug/ft2
Field ID: DOOR-S-15.3GW-INT-26 TO 27-240530-L-CB	Batch#: 341594	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509117-016	Received: 05/30/24	Analyst: RPS	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509117-016 Analyte		Result	RL Units
Lead		360	0.50 ug/ft2
Field ID: DOOR-S-15.3GW-INT-26 TO 27-240530-L-DUP-CB	Batch#: 341594	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509117-017	Received: 05/30/24	Analyst: RPS	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509117-017 Analyte		Result	RL Units
Lead		200	0.50 ug/ft2
Field ID: DOOR-S-15.2GE-EXT-10 TO 11-240530-L-CB	Batch#: 341594	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/30/24	Analysis: EPA 6010B	
Lab ID: 509117-019	Received: 05/30/24	Analyst: RPS	
Matrix: Wipe	Prepared: 05/31/24		
Diln Fac: 1.000	Analyzed: 05/31/24		
509117-019 Analyte		Result	RL Units
Lead		150	0.50 ug/ft2

Lead

Lab #: 509117		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.7GE-DG-11 TO 25-240530-L-LA		Batch#: 341594	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509117-021		Received: 05/30/24	Analyst: RPS
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509117-021 Analyte		Result	RL Units
Lead		270	0.50 ug/ft2
Field ID: DOOR-S-15.7GW-DG-11 TO 25-240530-L-LA		Batch#: 341594	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/30/24	Analysis: EPA 6010B
Lab ID: 509117-023		Received: 05/30/24	Analyst: RPS
Matrix: Wipe		Prepared: 05/31/24	
Diln Fac: 1.000		Analyzed: 05/31/24	
509117-023 Analyte		Result	RL Units
Lead		140	0.50 ug/ft2
Type: BLANK		Batch#: 341594	Analysis: EPA 6010B
Lab ID: QC1157444		Prepared: 05/31/24	Analyst: RPS
Matrix: Wipe		Analyzed: 05/31/24	
Diln Fac: 1.000		Prep: EPA 3050B	
QC1157444 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Legend ND: Not Detected RL: Reporting Limit			

Lead: Batch QC

Lab #: 509117

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1157445

Matrix: Wipe

Diln Fac: 1.000

Batch#: 341594

Prepared: 05/31/24

Analyzed: 05/31/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: RPS

QC1157445 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.10	104	80-120	ug/ft2

Type: BSD

Lab ID: QC1157446

Matrix: Wipe

Diln Fac: 1.000

Batch#: 341594

Prepared: 05/31/24

Analyzed: 05/31/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: RPS

QC1157446 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	50.88	102	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent
Difference

REPORTING SUMMARY FOR 509117 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	P B
509117-002	MET12	05/31/24 19:25	1.0	✓
509117-004	MET12	05/31/24 19:34	1.0	✓
509117-006	MET12	05/31/24 19:37	1.0	✓
509117-009	MET12	05/31/24 19:40	1.0	✓
509117-011	MET12	05/31/24 19:44	1.0	✓
509117-013	MET12	05/31/24 19:47	1.0	✓
509117-014	MET12	05/31/24 19:50	1.0	✓
509117-016	MET12	05/31/24 19:53	1.0	✓
509117-017	MET12	05/31/24 19:56	1.0	✓
509117-019	MET12	05/31/24 19:59	1.0	✓
509117-021	MET12	05/31/24 20:02	1.0	✓
509117-023	MET12	05/31/24 20:12	1.0	✓
QC1157444	MET12	05/31/24 19:09	1.0	✓
QC1157445	MET12	05/31/24 19:12	1.0	✓
QC1157446	MET12	05/31/24 19:15	1.0	✓

Instrument: MET12
Method: EPA 6010B

Begun: 05/31/24 15:34

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				05/31/24 15:34	1.0		
002	icp data	ICAL	L1			05/31/24 15:37	1.0	1	
003	icp data	ICAL	L2			05/31/24 15:40	1.0	2	
004	icp data	ICAL	L3			05/31/24 15:43	1.0	3	
005	icp data	ICAL	L4			05/31/24 15:46	1.0	4	
006	icp data	ICAL	L5			05/31/24 15:49	1.0	5	
007	icp data	ICAL	L6			05/31/24 15:53	1.0	6	
008	icp data	ICAL	L7			05/31/24 15:56	1.0	7	
009	icp data	ICAL	L8			05/31/24 15:59	1.0	8	
010	icp data	ICV				05/31/24 16:02	1.0	9	
011	icp data	ICB				05/31/24 16:05	1.0		
012	icp data	CRI				05/31/24 16:08	1.0	10	
013	icp data	ICSA				05/31/24 16:11	1.0	11	6:MGASMGCO3=1500
014	icp data	ICSAB				05/31/24 16:14	1.0	12	6:MGASMGCO3=1500
015	icp data	BLANK	QC1157340	Filtrate	341566	05/31/24 16:18	1.0	13	
016	icp data	LCS	QC1157341	Filtrate	341566	05/31/24 16:21	1.0	13	
017	icp data	SAMPLE	509234-001	Filtrate	341566	05/31/24 16:24	20.0	13	
018	icp data	SAMPLE	509263-004	Filtrate	341566	05/31/24 16:27	1.0	13	
019	icp data	MS	QC1157342	Filtrate	341566	05/31/24 16:30	1.0	13	1:CAASCACO3=390
020	icp data	MSD	QC1157343	Filtrate	341566	05/31/24 16:33	1.0	13	1:CAASCACO3=400
021	icp data	SAMPLE	509263-009	Filtrate	341566	05/31/24 16:36	1.0	13	
022	icp data	SAMPLE	509350-003	Filtrate	341566	05/31/24 16:39	1.0	13	
023	icp data	SAMPLE	509350-004	Filtrate	341566	05/31/24 16:43	1.0	13	
024	icp data	SAMPLE	509350-005	Filtrate	341566	05/31/24 16:46	1.0	13	
025	icp data	CCV				05/31/24 16:49	1.0	9	
026	icp data	CCB				05/31/24 16:52	1.0		
027	icp data	SAMPLE	509350-006	Filtrate	341566	05/31/24 16:55	1.0	13	
028	icp data	SAMPLE	509350-007	Filtrate	341566	05/31/24 16:58	1.0	13	
029	icp data	SAMPLE	509350-008	Filtrate	341566	05/31/24 17:01	1.0	13	
030	icp data	SAMPLE	509350-009	Filtrate	341566	05/31/24 17:04	1.0	13	
031	icp data	SAMPLE	509350-010	Filtrate	341566	05/31/24 17:08	1.0	13	
032	icp data	BLANK	QC1157388	Filtrate	341577	05/31/24 17:11	1.0	13	
033	icp data	LCS	QC1157389	Filtrate	341577	05/31/24 17:14	1.0	13	
034	icp data	MSS	509011-001	Filtrate	341577	05/31/24 17:17	1.0	13	1:CAASCACO3=320
035	icp data	MS	QC1157390	Filtrate	341577	05/31/24 17:20	1.0	13	2:MGASMGCO3=410
036	icp data	MSD	QC1157391	Filtrate	341577	05/31/24 17:23	1.0	13	2:MGASMGCO3=400
037	icp data	CCV				05/31/24 17:26	1.0	9	
038	icp data	CCB				05/31/24 17:29	1.0		
039	icp data	SAMPLE	509011-002	Filtrate	341577	05/31/24 17:33	1.0	13	
040	icp data	SAMPLE	509011-003	Filtrate	341577	05/31/24 17:36	1.0	13	
041	icp data	SAMPLE	509222-003	Miscell.	341528	05/31/24 17:39	10.0	13	2:FE=38
042	icp data	BLANK	QC1157330	Soil	341563	05/31/24 17:42	1.0	13	
043	icp data	LCS	QC1157331	Soil	341563	05/31/24 17:45	1.0	13	
044	icp data	MSS	509227-005	Soil	341563	05/31/24 17:48	1.0	13	4:ALASAL2O3=320
045	icp data	MS	QC1157332	Soil	341563	05/31/24 17:51	1.0	13	4:ALASAL2O3=440
046	icp data	MSD	QC1157333	Soil	341563	05/31/24 17:55	1.0	13	4:ALASAL2O3=440
047	icp data	PDS	QC1157370	Soil	341563	05/31/24 17:58	1.0	13	4:ALASAL2O3=320
048	icp data	SAMPLE	509227-010	Soil	341563	05/31/24 18:01	1.0	13	2:FE=170
049	icp data	CCV				05/31/24 18:04	1.0	9	
050	icp data	CCB				05/31/24 18:07	1.0		
051	icp data	SAMPLE	509227-015	Soil	341563	05/31/24 18:10	1.0	13	2:FE=190
052	icp data	SAMPLE	509227-020	Soil	341563	05/31/24 18:13	1.0	13	2:FE=180
053	icp data	SAMPLE	509227-025	Soil	341563	05/31/24 18:16	1.0	13	2:AL=230
054	icp data	SAMPLE	509227-030	Soil	341563	05/31/24 18:20	1.0	13	2:AL=220
055	icp data	BLANK	QC1157444	Wipe	341594	05/31/24 19:09	1.0	13	

Instrument: MET12
Method: EPA 6010B

Begun: 05/31/24 15:34

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
056	icp data	BS	QC1157445	Wipe	341594	05/31/24 19:12	1.0	13	
057	icp data	BSD	QC1157446	Wipe	341594	05/31/24 19:15	1.0	13	
058	icp data	SAMPLE	509116-021	Wipe	341594	05/31/24 19:19	1.0	13	1:FE=93
059	icp data	SAMPLE	509116-022	Wipe	341594	05/31/24 19:22	1.0	13	1:FE=46
060	icp data	SAMPLE	509117-002	Wipe	341594	05/31/24 19:25	1.0	13	2:FE=55
061	icp data	CCV				05/31/24 19:28	1.0	9	
062	icp data	CCB				05/31/24 19:31	1.0		
063	icp data	SAMPLE	509117-004	Wipe	341594	05/31/24 19:34	1.0	13	1:FE=51
064	icp data	SAMPLE	509117-006	Wipe	341594	05/31/24 19:37	1.0	13	1:FE=43
065	icp data	SAMPLE	509117-009	Wipe	341594	05/31/24 19:40	1.0	13	1:FE=59
066	icp data	SAMPLE	509117-011	Wipe	341594	05/31/24 19:44	1.0	13	1:FE=71
067	icp data	SAMPLE	509117-013	Wipe	341594	05/31/24 19:47	1.0	13	2:ZN=110
068	icp data	SAMPLE	509117-014	Wipe	341594	05/31/24 19:50	1.0	13	2:FE=58
069	icp data	SAMPLE	509117-016	Wipe	341594	05/31/24 19:53	1.0	13	1:FE=38
070	icp data	SAMPLE	509117-017	Wipe	341594	05/31/24 19:56	1.0	13	1:FE=40
071	icp data	SAMPLE	509117-019	Wipe	341594	05/31/24 19:59	1.0	13	2:ZN=48
072	icp data	SAMPLE	509117-021	Wipe	341594	05/31/24 20:02	1.0	13	2:FE=57
073	icp data	CCV				05/31/24 20:06	1.0	9	
074	icp data	CCB				05/31/24 20:09	1.0		
075	icp data	SAMPLE	509117-023	Wipe	341594	05/31/24 20:12	1.0	13	1:FE=66
076	icp data	BLANK	QC1157541	Drinking Water	341620	05/31/24 20:15	1.0	13	
077	icp data	LCS	QC1157542	Drinking Water	341620	05/31/24 20:18	1.0	13	
078	icp data	MSS	509425-001	Drinking Water	341620	05/31/24 20:22	1.0	13	
079	icp data	MS	QC1157543	Drinking Water	341620	05/31/24 20:25	1.0	13	
080	icp data	MSD	QC1157544	Drinking Water	341620	05/31/24 20:28	1.0	13	
081	icp data	BLANK	QC1157515	WET Leachate	341614	05/31/24 20:31	1.0	13	
082	icp data	BLANK	QC1157518	WET Leachate	341614	05/31/24 20:34	1.0	13	
083	icp data	BS	QC1157516	WET Leachate	341614	05/31/24 20:37	1.0	13	
084	icp data	BSD	QC1157517	WET Leachate	341614	05/31/24 20:40	1.0	13	
085	icp data	CCV				05/31/24 20:44	1.0	9	
086	icp data	CCB				05/31/24 20:47	1.0		
087	icp data	SAMPLE	508804-001	WET Leachate	341614	05/31/24 20:50	1.0	13	
088	icp data	SAMPLE	508963-001	WET Leachate	341614	05/31/24 20:53	1.0	13	
089	icp data	SAMPLE	508989-001	WET Leachate	341614	05/31/24 20:56	1.0	13	
090	icp data	CCV				05/31/24 20:59	1.0	9	
091	icp data	CCB				05/31/24 21:02	1.0		

SBW 06/01/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 091.

Standards Used:

1=S20849 2=S20848 3=S20847 4=S20846 5=S20845 6=S20614 7=S20458 8=S20759 9=S20784 10=S20459 11=S20577 12=S20763 13=S16862

Date: 05/31/24
Sequence: MET12 05/31/24

Reference: icp data
Analyzed: 05/31/24 15:34

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	167703	29666
		LOWER LIMIT	50311	8900
		UPPER LIMIT	335406	59331
011	ICB		168469	29400
013	ICSA		152107	27149
014	ICSAB		151909	27070
015	BLANK	QC1157340	180151	30533
016	LCS	QC1157341	164579	28860
017	SAMPLE	509234-001	168217	29213
018	SAMPLE	509263-004	168645	28827
019	MS	QC1157342	170732	29190
020	MSD	QC1157343	165451	28747
021	SAMPLE	509263-009	167443	29045
022	SAMPLE	509350-003	168048	28893
023	SAMPLE	509350-004	166578	28799
024	SAMPLE	509350-005	170360	29521
025	CCV		167932	29287
026	CCB		174546	30259
027	SAMPLE	509350-006	174154	29691
028	SAMPLE	509350-007	171782	29399
029	SAMPLE	509350-008	167417	29085
030	SAMPLE	509350-009	168679	29034
031	SAMPLE	509350-010	172567	29406
032	BLANK	QC1157388	183761	31035
033	LCS	QC1157389	175516	30204
034	MSS	509011-001	172201	29481
035	MS	QC1157390	169792	28965
036	MSD	QC1157391	173973	29656
037	CCV		172396	29309
038	CCB		173251	30565
039	SAMPLE	509011-002	173220	29966
040	SAMPLE	509011-003	179875	30639
041	SAMPLE	509222-003	177540	30345
042	BLANK	QC1157330	170270	29808
043	LCS	QC1157331	166546	29404
044	MSS	509227-005	166345	29500
045	MS	QC1157332	165322	29407
046	MSD	QC1157333	164459	29294
047	PDS	QC1157370	165815	29225
048	SAMPLE	509227-010	168009	29718
049	CCV		165185	28838
050	CCB		179434	30614
051	SAMPLE	509227-015	166439	29458
052	SAMPLE	509227-020	168432	29622
053	SAMPLE	509227-025	167485	29490
054	SAMPLE	509227-030	166093	29419
055	BLANK	QC1157444	161437	29236
056	BS	QC1157445	161019	28876
057	BSD	QC1157446	160421	28757
058	SAMPLE	509116-021	159797	28374
059	SAMPLE	509116-022	161218	28711
060	SAMPLE	509117-002	160758	28630
061	CCV		177729	30465
062	CCB		184077	31167
063	SAMPLE	509117-004	160933	28819
064	SAMPLE	509117-006	161051	28490
065	SAMPLE	509117-009	161343	28704

Date: 05/31/24		Reference: icp data		
Sequence: MET12 05/31/24		Analyzed: 05/31/24 15:34		
#	Type	Sample ID	Y A	Y R
066	SAMPLE	509117-011	160065	28481
067	SAMPLE	509117-013	159841	28667
068	SAMPLE	509117-014	162100	28581
069	SAMPLE	509117-016	164783	28593
070	SAMPLE	509117-017	164159	29054
071	SAMPLE	509117-019	161293	28770
072	SAMPLE	509117-021	160046	28507
073	CCV		178353	30530
074	CCB		182080	31212
075	SAMPLE	509117-023	159355	29221
076	BLANK	QC1157541	184600	31417
077	LCS	QC1157542	175403	30497
078	MSS	509425-001	182032	30850
079	MS	QC1157543	184150	31330
080	MSD	QC1157544	182118	31049
081	BLANK	QC1157515	177554	30333
082	BLANK	QC1157518	178221	30477
083	BS	QC1157516	177900	30552
084	BSD	QC1157517	178467	30659
085	CCV		175191	30113
086	CCB		182380	31102
087	SAMPLE	508804-001	169916	29543
088	SAMPLE	508963-001	168723	29791
089	SAMPLE	508989-001	170237	29874
090	CCV		167673	29520
091	CCB		173397	30442

Instrument:	MET12	Date:	31-MAY-2024 15:34
Calibration #:	794219814001	X Axis:	R
Units:	mg/L		

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794219814002	L1	31-MAY-2024 15:37	S20849
L2	icp data	794219814003	L2	31-MAY-2024 15:40	S20848
L3	icp data	794219814004	L3	31-MAY-2024 15:43	S20847
L4	icp data	794219814005	L4	31-MAY-2024 15:46	S20846
L5	icp data	794219814006	L5	31-MAY-2024 15:49	S20845
L6	icp data	794219814007	L6	31-MAY-2024 15:53	S20614

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	-0.0031	8.58E-5		13601	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	19952	13597	12451	12176	11809	11621

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-21	0.0100	-14	0.1000	4	1.0000	4	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	Cal Date: 31-MAY-2024
Calnum: 794219814001	

- ICV 794219814010 (31-MAY-2024) stds: S20784

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.023	mg/L	2	10	

ENTHALPY INSTRUMENT BLANK FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814011	File: icp data	Time: 31-MAY-2024 16:05
Cal: 794219814001	Caldate: 31-MAY-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	168469	0.46
Yttrium	R	29666	29400	-0.89

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794219814013	File: icp data
Cal: 794219814001	Time: 31-MAY-2024 16:11
Caldate: 31-MAY-2024	

Standards: S20577

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.009558	0.003333	mg/L	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	390.7	mg/L	98	
Aluminum as Al2O3	A	755.8	738.2	mg/L	98	
Iron	A	160.0	140.6	mg/L	88	
Iron as Fe2O3	A	228.8	201.0	mg/L	88	
Calcium	R	400.0	395.5	mg/L	99	
Calcium as CaCO3	R	998.9	987.8	mg/L	99	
Magnesium	R	400.0	420.0	mg/L	105	
Magnesium as MgCO3	R	1388	1457	mg/L	105	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	152107	-9.30
Yttrium	R	29666	27149	-8.48

+ = high bias a = ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794219814014	File: icp data
Cal: 794219814001	Time: 31-MAY-2024 16:14
Caldate: 31-MAY-2024	

Standards: S20763

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.020	mg/L	2	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	151909	-9.42
Yttrium	R	29666	27070	-8.75

ENTHALPY CONTINUING CALIBRATION FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814049	File: icp data	Time: 31-MAY-2024 18:04
Cal: 794219814001	Caldate: 31-MAY-2024	

Standards: S20784

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13601	12282	1.000	1.022	mg/L	2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	165185	-1.50
Yttrium	R	29666	28838	-2.79

ENTHALPY INSTRUMENT BLANK FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794219814050	File: icp data
Cal: 794219814001	Time: 31-MAY-2024 18:07
Caldate: 31-MAY-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	179434	6.99
Yttrium	R	29666	30614	3.20

ENTHALPY CONTINUING CALIBRATION FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814061	File: icp data	Time: 31-MAY-2024 19:28
Cal: 794219814001	Caldate: 31-MAY-2024	

Standards: S20784

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13601	11359	1.000	0.9454	mg/L	-5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	177729	5.98
Yttrium	R	29666	30465	2.70

ENTHALPY INSTRUMENT BLANK FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814062	File: icp data	Time: 31-MAY-2024 19:31
Cal: 794219814001	Caldate: 31-MAY-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	184077	9.76
Yttrium	R	29666	31167	5.06

ENTHALPY CONTINUING CALIBRATION FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814073	File: icp data	Time: 31-MAY-2024 20:06
Cal: 794219814001	Caldate: 31-MAY-2024	

Standards: S20784

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13601	11329	1.000	0.9429	mg/L	-6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	178353	6.35
Yttrium	R	29666	30530	2.91

ENTHALPY INSTRUMENT BLANK FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814074	File: icp data	Time: 31-MAY-2024 20:09
Cal: 794219814001	Caldate: 31-MAY-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	182080	8.57
Yttrium	R	29666	31212	5.21

ENTHALPY CONTINUING CALIBRATION FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814085	File: icp data	Time: 31-MAY-2024 20:44
Cal: 794219814001	Caldate: 31-MAY-2024	

Standards: S20784

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13601	11455	1.000	0.9534	mg/L	-5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	175191	4.46
Yttrium	R	29666	30113	1.51

ENTHALPY INSTRUMENT BLANK FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794219814086	File: icp data
Cal: 794219814001	Time: 31-MAY-2024 20:47
Caldate: 31-MAY-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	182380	8.75
Yttrium	R	29666	31102	4.84

SAMPLE PREPARATION SUMMARY

Batch #: 341594	Prep Date: 31-MAY-2024 16:45	Started By: KCD
Analysis: ICP	Method: 3050B	Finished By: KCD

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20344	Spike S20345	Analysis
QC1157444 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1157445 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1157446 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
509116-021	Wipe	1 ft2	50 mL	50.0				6010
509116-022	Wipe	1 ft2	50 mL	50.0				6010
509117-002	Wipe	1 ft2	50 mL	50.0				6010
509117-004	Wipe	1.02 ft2	50 mL	49.02				6010
509117-006	Wipe	1.02 ft2	50 mL	49.02				6010
509117-009	Wipe	1.02 ft2	50 mL	49.02				6010
509117-011	Wipe	1.02 ft2	50 mL	49.02				6010
509117-013	Wipe	1.05 ft2	50 mL	47.62				6010
509117-014	Wipe	1.06 ft2	50 mL	47.17				6010
509117-016	Wipe	1 ft2	50 mL	50.0				6010
509117-017	Wipe	1 ft2	50 mL	50.0				6010
509117-019	Wipe	1 ft2	50 mL	50.0				6010
509117-021	Wipe	1.02 ft2	50 mL	49.02				6010
509117-023	Wipe	1.02 ft2	50 mL	49.02				6010

Analyst: RPS 06/02/24

Reviewer: KLN 06/03/24

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

Initials: DAJ Prep Method: (305B) 3051 / Other: _____
QC Batch #: 341594 Therm ID/Corr Factor: 363746 / 0.03

Prep Start, Date/Time: 5-31-24 16:45
Prep End, Date/Time: 5-31-24 18:42
HotBlock Temp (Obs/Cor), °C: 93 / 92.5

HotBlock ID: HB#15

[illegible]

CS Spike ID: 1.0mL - (S20344 S20345)

MS/MSD Spike ID:

Gold Std ID: '1'

Hydrochloric Acid ID: 10 mL 24006807

Nitric Acid ID: 10mL-2023112039

H₂O₂ ID: 3mL 303303

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Enthalpy Analytical, Orange, Logbook # BK1405

ICP & ICP-MS Soil Prep Log, Rev. 1, 12/18/2023

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

Initials: PAJ Prep Method: (3050B) 3051 / Other: _____ Therm ID/Corr Factor: 363746 / -0.5
 QC Batch #: 341594 HotBlock Temp (Obs/Corr), °C: 93 / 92.5
 Prep Start, Date/Time: 5-31-24 16:45 Prep End, Date/Time: 5-31-24 18:42 HotBlock ID: H12#15

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	---	---	---	---	---	50	LVR4010607	PAJ 5-31-24
LCS	---	---	---	---	---	---	F-4112-LC	
LSD	---	---	wipe	---	---	---	---	
509116-21	A	T	wipe	---	---	---	---	
↓ -22	---	---	---	---	---	---	---	
117-2	---	---	---	---	---	---	---	
-4	---	---	---	1.02	---	---	---	
-6	---	---	---	1.02	---	---	---	
-9	---	---	---	1.02	---	---	---	
-11	---	---	---	1.02	---	---	---	
-13	---	---	---	1.05	---	---	---	
-14	---	---	---	1.06	---	---	---	
-16	---	---	---	---	---	---	---	
-17	---	---	---	---	---	---	---	
-19	---	---	---	---	---	---	---	
-21	---	---	---	1.02	---	---	---	
↓ -23	---	---	---	1.02	---	---	---	
PAJ 5-31-24								
PAJ 5-31-24								
PAJ 5-31-24								
PAJ 5-31-24								
PAJ 5-31-24								
PAJ 5-31-24								
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PAJ 5-31-24								
PAJ 5-31-24								
PAJ 5-31-24								

ICP Raw Data

Instrument: MET12
Method: EPA 6010B

Begun: 05/31/24 15:34

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				05/31/24 15:34	1.0		
002	icp data	ICAL	L1			05/31/24 15:37	1.0	1	
003	icp data	ICAL	L2			05/31/24 15:40	1.0	2	
004	icp data	ICAL	L3			05/31/24 15:43	1.0	3	
005	icp data	ICAL	L4			05/31/24 15:46	1.0	4	
006	icp data	ICAL	L5			05/31/24 15:49	1.0	5	
007	icp data	ICAL	L6			05/31/24 15:53	1.0	6	
008	icp data	ICAL	L7			05/31/24 15:56	1.0	7	
009	icp data	ICAL	L8			05/31/24 15:59	1.0	8	
010	icp data	ICV				05/31/24 16:02	1.0	9	
011	icp data	ICB				05/31/24 16:05	1.0		
012	icp data	CRI				05/31/24 16:08	1.0	10	
013	icp data	ICSA				05/31/24 16:11	1.0	11	6:MGASMGCO3=1500
014	icp data	ICSAB				05/31/24 16:14	1.0	12	6:MGASMGCO3=1500
015	icp data	BLANK	QC1157340	Filtrate	341566	05/31/24 16:18	1.0	13	
016	icp data	LCS	QC1157341	Filtrate	341566	05/31/24 16:21	1.0	13	
017	icp data	SAMPLE	509234-001	Filtrate	341566	05/31/24 16:24	20.0	13	
018	icp data	SAMPLE	509263-004	Filtrate	341566	05/31/24 16:27	1.0	13	
019	icp data	MS	QC1157342	Filtrate	341566	05/31/24 16:30	1.0	13	1:CAASCACO3=390
020	icp data	MSD	QC1157343	Filtrate	341566	05/31/24 16:33	1.0	13	1:CAASCACO3=400
021	icp data	SAMPLE	509263-009	Filtrate	341566	05/31/24 16:36	1.0	13	
022	icp data	SAMPLE	509350-003	Filtrate	341566	05/31/24 16:39	1.0	13	
023	icp data	SAMPLE	509350-004	Filtrate	341566	05/31/24 16:43	1.0	13	
024	icp data	SAMPLE	509350-005	Filtrate	341566	05/31/24 16:46	1.0	13	
025	icp data	CCV				05/31/24 16:49	1.0	9	
026	icp data	CCB				05/31/24 16:52	1.0		
027	icp data	SAMPLE	509350-006	Filtrate	341566	05/31/24 16:55	1.0	13	
028	icp data	SAMPLE	509350-007	Filtrate	341566	05/31/24 16:58	1.0	13	
029	icp data	SAMPLE	509350-008	Filtrate	341566	05/31/24 17:01	1.0	13	
030	icp data	SAMPLE	509350-009	Filtrate	341566	05/31/24 17:04	1.0	13	
031	icp data	SAMPLE	509350-010	Filtrate	341566	05/31/24 17:08	1.0	13	
032	icp data	BLANK	QC1157388	Filtrate	341577	05/31/24 17:11	1.0	13	
033	icp data	LCS	QC1157389	Filtrate	341577	05/31/24 17:14	1.0	13	
034	icp data	MSS	509011-001	Filtrate	341577	05/31/24 17:17	1.0	13	1:CAASCACO3=320
035	icp data	MS	QC1157390	Filtrate	341577	05/31/24 17:20	1.0	13	2:MGASMGCO3=410
036	icp data	MSD	QC1157391	Filtrate	341577	05/31/24 17:23	1.0	13	2:MGASMGCO3=400
037	icp data	CCV				05/31/24 17:26	1.0	9	
038	icp data	CCB				05/31/24 17:29	1.0		
039	icp data	SAMPLE	509011-002	Filtrate	341577	05/31/24 17:33	1.0	13	
040	icp data	SAMPLE	509011-003	Filtrate	341577	05/31/24 17:36	1.0	13	
041	icp data	SAMPLE	509222-003	Miscell.	341528	05/31/24 17:39	10.0	13	2:FE=38
042	icp data	BLANK	QC1157330	Soil	341563	05/31/24 17:42	1.0	13	
043	icp data	LCS	QC1157331	Soil	341563	05/31/24 17:45	1.0	13	
044	icp data	MSS	509227-005	Soil	341563	05/31/24 17:48	1.0	13	4:ALASAL2O3=320
045	icp data	MS	QC1157332	Soil	341563	05/31/24 17:51	1.0	13	4:ALASAL2O3=440
046	icp data	MSD	QC1157333	Soil	341563	05/31/24 17:55	1.0	13	4:ALASAL2O3=440
047	icp data	PDS	QC1157370	Soil	341563	05/31/24 17:58	1.0	13	4:ALASAL2O3=320
048	icp data	SAMPLE	509227-010	Soil	341563	05/31/24 18:01	1.0	13	2:FE=170
049	icp data	CCV				05/31/24 18:04	1.0	9	
050	icp data	CCB				05/31/24 18:07	1.0		
051	icp data	SAMPLE	509227-015	Soil	341563	05/31/24 18:10	1.0	13	2:FE=190
052	icp data	SAMPLE	509227-020	Soil	341563	05/31/24 18:13	1.0	13	2:FE=180
053	icp data	SAMPLE	509227-025	Soil	341563	05/31/24 18:16	1.0	13	2:AL=230
054	icp data	SAMPLE	509227-030	Soil	341563	05/31/24 18:20	1.0	13	2:AL=220
055	icp data	BLANK	QC1157444	Wipe	341594	05/31/24 19:09	1.0	13	

Instrument: MET12
Method: EPA 6010B

Begun: 05/31/24 15:34

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
056	icp data	BS	QC1157445	Wipe	341594	05/31/24 19:12	1.0	13	
057	icp data	BSD	QC1157446	Wipe	341594	05/31/24 19:15	1.0	13	
058	icp data	SAMPLE	509116-021	Wipe	341594	05/31/24 19:19	1.0	13	1:FE=93
059	icp data	SAMPLE	509116-022	Wipe	341594	05/31/24 19:22	1.0	13	1:FE=46
060	icp data	SAMPLE	509117-002	Wipe	341594	05/31/24 19:25	1.0	13	2:FE=55
061	icp data	CCV				05/31/24 19:28	1.0	9	
062	icp data	CCB				05/31/24 19:31	1.0		
063	icp data	SAMPLE	509117-004	Wipe	341594	05/31/24 19:34	1.0	13	1:FE=51
064	icp data	SAMPLE	509117-006	Wipe	341594	05/31/24 19:37	1.0	13	1:FE=43
065	icp data	SAMPLE	509117-009	Wipe	341594	05/31/24 19:40	1.0	13	1:FE=59
066	icp data	SAMPLE	509117-011	Wipe	341594	05/31/24 19:44	1.0	13	1:FE=71
067	icp data	SAMPLE	509117-013	Wipe	341594	05/31/24 19:47	1.0	13	2:ZN=110
068	icp data	SAMPLE	509117-014	Wipe	341594	05/31/24 19:50	1.0	13	2:FE=58
069	icp data	SAMPLE	509117-016	Wipe	341594	05/31/24 19:53	1.0	13	1:FE=38
070	icp data	SAMPLE	509117-017	Wipe	341594	05/31/24 19:56	1.0	13	1:FE=40
071	icp data	SAMPLE	509117-019	Wipe	341594	05/31/24 19:59	1.0	13	2:ZN=48
072	icp data	SAMPLE	509117-021	Wipe	341594	05/31/24 20:02	1.0	13	2:FE=57
073	icp data	CCV				05/31/24 20:06	1.0	9	
074	icp data	CCB				05/31/24 20:09	1.0		
075	icp data	SAMPLE	509117-023	Wipe	341594	05/31/24 20:12	1.0	13	1:FE=66
076	icp data	BLANK	QC1157541	Drinking Water	341620	05/31/24 20:15	1.0	13	
077	icp data	LCS	QC1157542	Drinking Water	341620	05/31/24 20:18	1.0	13	
078	icp data	MSS	509425-001	Drinking Water	341620	05/31/24 20:22	1.0	13	
079	icp data	MS	QC1157543	Drinking Water	341620	05/31/24 20:25	1.0	13	
080	icp data	MSD	QC1157544	Drinking Water	341620	05/31/24 20:28	1.0	13	
081	icp data	BLANK	QC1157515	WET Leachate	341614	05/31/24 20:31	1.0	13	
082	icp data	BLANK	QC1157518	WET Leachate	341614	05/31/24 20:34	1.0	13	
083	icp data	BS	QC1157516	WET Leachate	341614	05/31/24 20:37	1.0	13	
084	icp data	BSD	QC1157517	WET Leachate	341614	05/31/24 20:40	1.0	13	
085	icp data	CCV				05/31/24 20:44	1.0	9	
086	icp data	CCB				05/31/24 20:47	1.0		
087	icp data	SAMPLE	508804-001	WET Leachate	341614	05/31/24 20:50	1.0	13	
088	icp data	SAMPLE	508963-001	WET Leachate	341614	05/31/24 20:53	1.0	13	
089	icp data	SAMPLE	508989-001	WET Leachate	341614	05/31/24 20:56	1.0	13	
090	icp data	CCV				05/31/24 20:59	1.0	9	
091	icp data	CCB				05/31/24 21:02	1.0		

SBW 06/01/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 091.

Standards Used:

1=S20849 2=S20848 3=S20847 4=S20846 5=S20845 6=S20614 7=S20458 8=S20759 9=S20784 10=S20459 11=S20577 12=S20763 13=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-002	Client ID: DOOR-S-15.1GE-EXT-12 TO 13-240530-L-CB
Seqnum: 794219814060	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:25
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 $\Rightarrow$ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	7.009	350	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	160758	-4.14

U=use

Label: 509117-002,341594	Rack/Tube: 1:40	Type: Sample
Date Time: 5/31/2024 7:25:20 PM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: _____	Customer: _____	Customer Ref.: _____
Sample Date Time: _____	Sample Site: _____	Description: _____
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00026772	0.00026772	mg/L	36.42390797	0.00025276	94.41305535	12.77454444	35.07		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.46037801
Al 396.152	Al	n	3.14166366	3.14166366	mg/L	138638.38287155	0.01688076	0.53731919	743.39254137	0.54	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.85513330
As 188.980	As	n	0.03316014	0.03316014	mg/L	193.65553618	0.00061805	1.86382214	3.56818465	1.84	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.331908897
B 249.678	B	n	0.01384493	0.01384493	mg/L	610.65056505	0.00019726	1.42477551	8.00801051	1.31	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.38673960
Ba 230.424	Ba	n	0.03096791	0.03096791	mg/L	4880.44923753	0.00022319	0.72071503	34.72904173	0.71	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.7808370
Be 313.107	Be	n	0.00006065	0.00006065	mg/L	21.88103223	0.00000539	8.88094901	7.46550790	34.12	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.435120
Ca 317.933	Ca-R	n	6.41873090	6.41873090	mg/L	46129.98246093	0.05538508	0.86286644	390.44618031	0.85	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.664185334
Cd 214.439	Cd	n	0.00037287	0.00037287	mg/L	273.86627008	0.00000811	2.17545627	1.84373686	0.67	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.4982380
Co 230.786	Co	n	0.00736748	0.00736748	mg/L	462.11852004	0.00035160	4.77236485	19.69956030	4.26	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.88023420
Cr 267.716	Cr	n	0.03504647	0.03504647	mg/L	1899.56770590	0.00031261	0.89199748	17.28234694	0.91	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.40139650
Cu 324.754	Cu	n	0.90493681	0.90493681	mg/L	44223.16110133	0.00470702	0.52014880	225.03906043	0.51	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.26298370
Fe 259.940	Fe	no	54.64378539	54.64378539	mg/L	2223008.60260595	0.23140830	0.42348512	9414.02314730	0.42	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.44111100
K 766.491	K-R	n	2.23753256	2.23753256	mg/L	1184.99561907	0.02847965	1.27281489	17.60072191	1.49	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.0105226100
Li 670.783	Li-R	n	0.00822181	0.00822181	mg/L	177.09298873	0.00009555	1.16215440	4.29366570	2.42	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.27192540
Mg 279.800	Mg-R	n	3.82047360	3.82047360	mg/L	1841.10545925	0.04370488	1.14396496	20.93540497	1.14	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.0175667800
Mn 257.610	Mn	n	0.36463887	0.36463887	mg/L	150651.16215881	0.00225617	0.61873983	930.30325622	0.62	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.1333470
Mo 204.598	Mo	n	0.00413857	0.00413857	mg/L	49.59053448	0.00049938	12.06652831	8.63168338	17.41	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.73535810
Na 589.592	Na-R	n	2.09696435	2.09696435	mg/L	10893.64434641	0.02071570	0.98788974	108.03572666	0.99	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.162845210
Ni 231.604	Ni	n	0.12662072	0.12662072	mg/L	2791.24207407	0.00071512	0.56477615	15.70400594	0.56	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.84834070
P 177.434	P	n	0.96329883	0.96329883	mg/L	132.25750838	0.01367816	1.41992934	1.85949827	1.41		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.9464943380
Pb 220.353	Pb	n	7.00935206	7.00935206	mg/L	84139.26101051	0.02945266	0.42019085	353.46999773	0.42	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.29433490
S 181.972	S	n	3.95632898	3.95632898	mg/L	5891.73736824	0.03990198	1.00856063	57.87082619	0.98		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.324802340
Sb 206.834	Sb	n	0.01000538	0.01000538	mg/L	26.30699620	0.00166940	16.68502686	7.43386396	28.26	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.015244670
Se 196.026	Se	n	0.00821622	0.00821622	mg/L	52.53822156	0.00208438	25.36902936	8.73228247	16.62	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.398407550
Si 251.611	Si	n	5.46223537	5.46223537	mg/L	22545.98944753	0.05307583	0.97168707	218.47080837	0.97		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.201092061
Sn 189.925	Sn	n	0.08344022	0.08344022	mg/L	1079.16952131	0.00064322	0.77087040	8.10073687	0.75	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.11615450
Sr 421.552	Sr-R	n	0.01562725	0.01562725	mg/L	3474.17027572	0.00016528	1.05765056	36.23338714	1.04	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.9880470
Ti 334.941	Ti	n	0.27723190	0.27723190	mg/L	69350.35853088	0.03010872	10.86048077	7522.16727500	10.85	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.5349620
Tl 190.794	Tl	nu	-0.00370541	-0.00370541	mg/L	-14.11491986	0.00023124	6.24048385	1.29221009	9.15	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.292026440
V 292.401	V	n	0.00957170	0.00957170	mg/L	247.14898342	0.00029331	3.06431146	10.11326233	4.09	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.14338280
Zn 206.200	Zn	no	38.37663297	38.37663297	mg/L	1484587.30150067	0.51293583	1.33658372	19834.99444498	1.34	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.54358141
Y 371.029	Y		0.96	0.96	Ratio	160758.48	0.02	1.82	2931.76	1.82		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	28629.92	0.01	0.79	225.30	0.79		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-004	Client ID: DOOR-S-15.7GW-DG-13 TO 27-240530-L-LA
Seqnum: 794219814063	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:34
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.02 ft2 ⇒ 50.0 ml = 49.02 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	3.144	150	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	160933	-4.04

U=use

Label: 509117-004,341594	Rack/Tube: 1:41	Type: Sample
Date Time: 5/31/2024 7:34:43 PM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: _____	Customer: _____	Customer Ref.: _____
Sample Date Time: _____	Sample Site: _____	Description: _____
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00000092	0.00000092	mg/L	23.40326793	0.00012820	13950.79429835	6.47932310	27.69		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.46
Al 396.152	Al	n	2.21714586	2.21714586	mg/L	97916.48032045	0.02437233	1.09926575	1073.30492246	1.10	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.85
As 188.980	As	n	0.03301542	0.03301542	mg/L	192.80781646	0.00016479	0.49911936	0.95136619	0.49	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.331
B 249.678	B	n	0.01548806	0.01548806	mg/L	678.31618643	0.00032121	2.07394558	13.04012141	1.92	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.38
Ba 230.424	Ba	n	0.01181592	0.01181592	mg/L	1899.59625770	0.00007220	0.61103361	11.23440307	0.59	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.7
Be 313.107	Be	n	0.00013543	0.00013543	mg/L	125.68637140	0.00000432	3.18924412	5.98657067	4.76	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.7
Ca 317.933	Ca-R	n	7.55234625	7.55234625	mg/L	54117.93542920	0.00392908	0.05202462	27.69868954	0.05	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.664
Cd 214.439	Cd	n	0.00024800	0.00024800	mg/L	231.18007416	0.00005332	21.50104900	12.12039155	5.24	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.4
Co 230.786	Co	n	0.00715358	0.00715358	mg/L	448.23181247	0.00016032	2.24108354	8.98225990	2.00	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.88
Cr 267.716	Cr	n	0.02711598	0.02711598	mg/L	1461.05351825	0.00045024	1.66042504	24.89082384	1.70	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.40
Cu 324.754	Cu	n	0.24490908	0.24490908	mg/L	12672.56238595	0.00184833	0.75469909	88.36713085	0.70	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.26
Fe 259.940	Fe	no	50.59551351	50.59551351	mg/L	2058319.89304395	0.32571904	0.64377061	13250.72012874	0.64	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.44
K 766.491	K-R	n	2.69065182	2.69065182	mg/L	1465.39071736	0.08062014	2.99630508	49.82409310	3.40	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.0105
Li 670.783	Li-R	n	0.00808971	0.00808971	mg/L	171.33404695	0.00045520	5.62688946	20.45495783	11.94	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.27
Mg 279.800	Mg-R	n	3.80794840	3.80794840	mg/L	1834.14581135	0.01438945	0.37787941	6.89280066	0.38	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.0175
Mn 257.610	Mn	n	0.31059895	0.31059895	mg/L	128353.68563869	0.00021591	0.06951441	89.02834800	0.07	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.1
Mo 204.598	Mo	n	0.00507461	0.00507461	mg/L	65.56673191	0.00046879	9.23805178	8.10299610	12.36	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.73
Na 589.592	Na-R	n	2.07571270	2.07571270	mg/L	10783.11633394	0.00197053	0.09493267	10.27663207	0.10	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.162
Ni 231.604	Ni	n	0.06247498	0.06247498	mg/L	1381.68202867	0.00069925	1.11925051	15.35545835	1.11	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.84
P 177.434	P	n	0.97653784	0.97653784	mg/L	134.06304120	0.01170117	1.19822984	1.59073274	1.19		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.9464
Pb 220.353	Pb	n	3.14371466	3.14371466	mg/L	37747.91108772	0.01829908	0.58208461	219.61263656	0.58	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.29
S 181.972	S	n	4.87762133	4.87762133	mg/L	7227.90159878	0.02815729	0.57727495	40.83721017	0.56		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.324
Sb 206.834	Sb	n	0.00589314	0.00589314	mg/L	7.05979517	0.00232961	39.53085057	10.37378932	> 100.00	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.015
Se 196.026	Se	n	0.00977970	0.00977970	mg/L	59.64995646	0.00090765	9.28096084	3.80250987	6.37	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.398
Si 256.611	Si	n	4.55571676	4.55571676	mg/L	18814.54161538	0.01405108	0.30842750	57.83708479	0.31		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.201
Sn 189.925	Sn	n	0.04832252	0.04832252	mg/L	636.65955054	0.00067366	1.39409179	8.48415610	1.33	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.11
Sr 421.552	Sr-R	n	0.01467308	0.01467308	mg/L	3267.32381142	0.00003883	0.26466644	8.51342687	0.26	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.9
Ti 334.941	Ti	n	0.14647488	0.14647488	mg/L	36682.45321817	0.00860189	5.87260537	2149.04097360	5.86	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.5
Tl 190.794	Tl	nu	-0.00294675	-0.00294675	mg/L	-9.88589970	0.00032809	11.13390024	1.83344975	18.55	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.292
V 292.401	V	n	0.00795138	0.00795138	mg/L	196.42298674	0.00027835	3.50068142	9.59763174	4.89	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.14
Zn 206.200	Zn	n	13.17646534	13.17646534	mg/L	510063.95530222	0.06806342	0.51655296	2631.98144572	0.52	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.54
Y 371.029	Y		0.96	0.96	Ratio	160933.05	0.02	1.85	2983.03	1.85		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	28818.67	0.00	0.39	111.02	0.39		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-006	Client ID: DOOR-S-15.1GW-DG-13 TO 27-240530-L-LA
Seqnum: 794219814064	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:37
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.02 ft2 ⇒ 50.0 ml = 49.02 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.280	110	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	161051	-3.97

U=use

Label: 509117-006,341594	Rack:Tube: 1:42	Type: Sample
Date Time: 5/31/2024 7:37:50 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	-0.00003188	-0.00003188	mg/L	22.46540669	0.00002154	67.56062090	1.08862434	4.85		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.46037
Al 396.152	Al	n	1.42600632	1.42600632	mg/L	63052.45387638	0.01820325	1.27651966	801.63212913	1.27	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.85513
As 188.980	As	n	0.03395842	0.03395842	mg/L	198.25218033	0.00046984	1.38356984	2.71253353	1.37	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.331908
B 249.678	B	n	0.01548335	0.01548335	mg/L	679.84102180	0.00039174	2.53009024	15.90334076	2.34	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.38673
Ba 230.424	Ba	n	0.01732000	0.01732000	mg/L	2754.88722134	0.00025439	1.46879039	39.58448424	1.44	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.7808
Be 313.107	Be	n	0.00025078	0.00025078	mg/L	285.80215050	0.00000660	2.63346162	9.15338403	3.20	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.435
Ca 317.933	Ca-R	n	8.21616161	8.21616161	mg/L	58791.11353164	0.02147348	0.26135657	151.38081026	0.26	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.664185
Cd 214.439	Cd	n	0.00029333	0.00029333	mg/L	216.03916791	0.00004082	13.91674288	9.27891443	4.30	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.4982
Co 230.786	Co	n	0.00605708	0.00605708	mg/L	383.38450307	0.00032411	5.35094660	18.15927312	4.74	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.88023
Cr 267.716	Cr	n	0.02221373	0.02221373	mg/L	1189.81430701	0.00043949	1.97846094	24.29650525	2.04	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.40139
Cu 324.754	Cu	n	0.20766743	0.20766743	mg/L	10900.78560014	0.00145387	0.70009762	69.50868095	0.64	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.26298
Fe 259.940	Fe	no	42.75329270	42.75329270	mg/L	1739287.10952251	0.43157103	1.00944512	17556.93134973	1.01	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.44111
K 766.491	K-R	n	2.90031842	2.90031842	mg/L	1595.87329635	0.07279275	2.50981940	44.98668813	2.82	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.0105226
Li 670.783	Li-R	n	0.00853697	0.00853697	mg/L	191.48358645	0.00067304	7.88388131	30.24411599	15.79	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.27192
Mg 279.800	Mg-R	n	3.30992507	3.30992507	mg/L	1593.87054461	0.02468623	0.74582433	11.82513616	0.74	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.0175667
Mn 257.610	Mn	n	0.24489952	0.24489952	mg/L	101236.59701976	0.00183718	0.75017906	757.54139185	0.75	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.1333
Mo 204.598	Mo	n	0.00386045	0.00386045	mg/L	44.49018738	0.00067524	17.49108726	11.67126311	26.23	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.73535
Na 589.592	Na-R	n	2.41670878	2.41670878	mg/L	12562.00245990	0.00292054	0.12084799	15.23111256	0.12	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.162845
Ni 231.604	Ni	n	0.05132618	0.05132618	mg/L	1135.11985251	0.00061336	1.19501520	13.46919658	1.19	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.84834
P 177.434	P	n	0.95234255	0.95234255	mg/L	130.78110807	0.02305782	2.42116902	3.13463018	2.40		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.9464943
Pb 220.353	Pb	n	2.28022993	2.28022993	mg/L	27385.46918400	0.01709760	0.74981915	205.19333799	0.75	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.29433
S 181.972	S	n	4.87266980	4.87266980	mg/L	7220.84308276	0.02015808	0.41369683	29.23576376	0.40		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.324802
Sb 206.834	Sb	n	0.00355603	0.00355603	mg/L	-5.07346493	0.00166323	46.77199861	7.40636638	> 100.00	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.015244
Se 196.026	Se	n	0.01244640	0.01244640	mg/L	71.83363974	0.00114733	9.21812857	4.80660386	6.69	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.398407
Si 251.611	Si	n	3.35454640	3.35454640	mg/L	13870.30148631	0.02772818	0.82658507	114.13476396	0.82		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.201092
Sn 189.925	Sn	n	0.04702807	0.04702807	mg/L	619.95245432	0.00072740	1.54673194	9.16093674	1.48	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.11615
Sr 421.552	Sr-R	n	0.01415760	0.01415760	mg/L	3155.02129755	0.00003904	0.27572095	8.55743524	0.27	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.9880
Ti 334.941	Ti	n	0.12957072	0.12957072	mg/L	32458.65711597	0.00283578	2.18860015	708.47418950	2.18	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.5349
Tl 190.794	Tl	nu	-0.00297185	-0.00297185	mg/L	-10.03100496	0.00029260	9.84585547	1.63515952	16.30	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.292026
V 292.401	V	n	0.00566720	0.00566720	mg/L	126.68720328	0.00013380	2.36093285	4.61340134	3.64	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.14338
Zn 206.200	Zn	n	7.57744086	7.57744086	mg/L	293473.19910820	0.06176284	0.81508844	2388.34101483	0.81	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.54358
Y 371.029	Y		0.96	0.96	Ratio	161050.95	0.02	1.63	2628.46	1.63		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	28490.10	0.00	0.33	93.83	0.33		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-009	Client ID: DOOR-S-15.3GE-DG-12 TO 26-240530-L-LA
Seqnum: 794219814065	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:40
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.02 ft2 ⇒ 50.0 ml = 49.02 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.879	140	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	161343	-3.79

U=use

Label:	509117-009.341594	Rack/Tube:	1:43	Type:	Sample
Date Time:	5/31/2024 7:40:58 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	0.00009105	0.00009105	mg/L	27.15289023	0.00016860	185.16745086	8.52089485	31.38		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780
Al 396.152	Al	n	3.66994543	3.66994543	mg/L	161933.77804330	0.02020607	0.55058239	889.83212414	0.55	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333
As 188.980	As	n	0.03878226	0.03878226	mg/L	226.11098384	0.00103296	2.66349570	5.96364337	2.64	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889
B 249.678	B	n	0.01429824	0.01429824	mg/L	628.03931539	0.00054386	3.80370838	22.07887979	3.52	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.3867396
Ba 230.424	Ba	n	0.01261453	0.01261453	mg/L	2025.56349731	0.00011870	0.94101245	18.47072586	0.91	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837
Be 313.107	Be	n	0.00013881	0.00013881	mg/L	129.98782847	0.00000562	4.04995503	7.79146542	5.99	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512
Ca 317.933	Ca-R	n	8.35362637	8.35362637	mg/L	59774.63101650	0.01035636	0.12397441	73.00885106	0.12	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533
Cd 214.439	Cd	n	0.00023290	0.00023290	mg/L	258.98269289	0.00003976	17.06985546	9.03635994	3.49	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498236
Co 230.786	Co	n	0.01128359	0.01128359	mg/L	683.87093912	0.00009486	0.84066926	5.31467523	0.78	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342
Cr 267.716	Cr	n	0.03712247	0.03712247	mg/L	2014.65672932	0.00018571	0.50025829	10.26658280	0.51	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965
Cu 324.754	Cu	n	0.34263863	0.34263863	mg/L	17334.54161155	0.00103331	0.30157381	49.40171101	0.28	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837
Fe 259.940	Fe	no	59.20077413	59.20077413	mg/L	2408395.74440940	0.42584121	0.71931696	17323.83408480	0.72	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411110
K 766.491	K-R	n	2.57351383	2.57351383	mg/L	1391.45645775	0.04936372	1.91814488	30.50730070	2.19	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610
Li 670.783	Li-R	n	0.00761559	0.00761559	mg/L	150.26403760	0.00057680	7.57388559	25.91906610	17.25	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254
Mg 279.800	Mg-R	n	5.01288268	5.01288268	mg/L	2413.44047501	0.01711228	0.34136605	8.19708253	0.34	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780
Mn 257.610	Mn	n	0.43583478	0.43583478	mg/L	180026.45067178	0.00099316	0.22787514	409.51737937	0.23	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347
Mo 204.598	Mo	n	0.00400223	0.00400223	mg/L	47.30110209	0.00031308	7.82273935	5.41157476	11.44	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581
Na 589.592	Na-R	n	2.03467727	2.03467727	mg/L	10568.31955865	0.00615660	0.30258337	32.10764579	0.30	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521
Ni 231.604	Ni	n	0.09849439	0.09849439	mg/L	2174.85558717	0.00049555	0.50312647	10.88223293	0.50	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.8483407
P 177.434	P	n	1.01162054	1.01162054	mg/L	138.82562319	0.00885409	0.87523800	1.20368214	0.87		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494336
Pb 220.353	Pb	n	2.87886588	2.87886588	mg/L	34567.68273456	0.01197077	0.41581558	143.66476854	0.42	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943346
S 181.972	S	n	4.91801772	4.91801772	mg/L	7286.63324144	0.03140531	0.63857665	45.54790374	0.63		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234
Sb 206.834	Sb	n	0.00620744	0.00620744	mg/L	10.52842327	0.00100759	16.23189552	4.48679138	42.62	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.01524467
Se 196.026	Se	n	0.00730579	0.00730579	mg/L	48.07269725	0.00170452	23.33111781	7.14091971	14.85	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755
Si 251.611	Si	n	7.40498548	7.40498548	mg/L	30542.71070173	0.02110290	0.28498234	86.86378505	0.28		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206
Sn 189.925	Sn	n	0.05589721	0.05589721	mg/L	732.57566962	0.00039527	0.70714364	4.97812156	0.68	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545
Sr 421.552	Sr-R	n	0.02097561	0.02097561	mg/L	4651.70932111	0.00001948	0.09287221	4.27055627	0.09	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.988047
Ti 334.941	Ti	n	0.30927121	0.30927121	mg/L	77355.12020490	0.00792701	2.56312666	1980.43365088	2.56	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962
Tl 190.794	Tl	nu	-0.00384699	-0.00384699	mg/L	-14.89896001	0.00109422	28.44361187	6.11484115	41.04	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644
V 292.401	V	n	0.01413767	0.01413767	mg/L	398.80569949	0.00018758	1.32684167	6.46793926	1.62	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.1433826
Zn 206.200	Zn	n	1.85419217	1.85419217	mg/L	72334.00242300	0.00652357	0.35182832	252.26359384	0.35	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814
Y 371.029	Y		0.96	0.96	Ratio	161342.70	0.01	1.53	2468.09	1.53		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	28703.95	0.00	0.40	115.25	0.40		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-011	Client ID: DOOR-S-15.5GE-DG-12 TO 26-240530-L-LA
Seqnum: 794219814066	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:44
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.02 ft2 ⇒ 50.0 ml = 49.02 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.459	72	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	160065	-4.55

U=use

Label: 509117-011,341594	Rack/Tube: 1:44	Type: Sample
Date Time: 5/31/2024 7:44:06 PM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient (3): -
LIMS ID: _____	Customer: _____	Customer Ref.: _____
Sample Date Time: _____	Sample Site: _____	Description: _____
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00009765	0.00009765	mg/L	26.28057147	0.00005893	60.34825150	2.97825493	11.33		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.46037801
Al 396.152	Al	n	2.34286787	2.34286787	mg/L	103526.98070426	0.02277173	0.97195971	1002.81822165	0.97	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.85513330
As 188.980	As	n	0.03556964	0.03556964	mg/L	207.51009803	0.00084800	2.38406016	4.89579431	2.36	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.331908897
B 249.678	B	n	0.01277062	0.01277062	mg/L	562.80354319	0.00014637	1.14611812	5.94194652	1.06	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.38673960
Ba 230.424	Ba	n	0.00808885	0.00808885	mg/L	1322.07676168	0.00015908	1.96667711	24.75354383	1.87	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.7808370
Be 313.107	Be	n	0.00005134	0.00005134	mg/L	8.57257448	0.00000192	3.74923125	2.66782058	31.12	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.435120
Ca 317.933	Ca-R	n	6.87708722	6.87708722	mg/L	49376.42254154	0.00936384	0.13615997	66.01192437	0.13	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.664185334
Cd 214.439	Cd	n	0.00008851	0.00008851	mg/L	268.09007272	0.00003407	38.49212276	7.74397744	2.89	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.4982380
Co 230.786	Co	n	0.01003101	0.01003101	mg/L	619.22288649	0.00025689	2.56098376	14.39314815	2.32	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8023420
Cr 267.716	Cr	n	0.03484161	0.03484161	mg/L	1888.78432145	0.00036275	1.04114363	20.05412181	1.06	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.40139650
Cu 324.754	Cu	n	0.31962135	0.31962135	mg/L	16218.52982810	0.00204075	0.63849015	97.56679518	0.60	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.26298370
Fe 259.940	Fe	no	70.83689870	70.83689870	mg/L	2881768.13609982	0.62750211	0.88584075	25527.69018966	0.89	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.44111100
K 766.491	K-R	n	2.42563495	2.42563495	mg/L	1299.14275497	0.06904230	2.84636001	4.66886995	3.28	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.0105226100
Li 670.783	Li-R	n	0.00853534	0.00853534	mg/L	191.02957719	0.00047341	5.54651292	21.27344349	11.14	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.27192540
Mg 279.800	Mg-R	n	3.93338378	3.93338378	mg/L	1899.16100756	0.01216507	0.30927757	5.82728398	0.31	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.0175667800
Mn 257.610	Mn	n	0.36543043	0.36543043	mg/L	151039.08139929	0.00124245	0.33999632	512.30951838	0.34	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.1333470
Mo 204.598	Mo	n	0.00334946	0.00334946	mg/L	35.34959539	0.00034099	10.18046594	5.89393073	16.67	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.73535810
Na 589.592	Na-R	n	1.84041962	1.84041962	mg/L	9554.76441158	0.00472906	0.25695575	24.66283901	0.26	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.162845210
Ni 231.604	Ni	n	0.08023166	0.08023166	mg/L	1776.53577124	0.00078382	0.97694162	17.21249206	0.97	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.84834070
P 177.434	P	n	0.91503002	0.91503002	mg/L	125.67920434	0.01587286	1.73468165	2.15785938	1.72		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.9464943380
Pb 220.353	Pb	n	1.45892997	1.45892997	mg/L	17531.47261940	0.00840661	0.57621781	100.89025237	0.58	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.29433490
S 181.972	S	n	4.34102179	4.34102179	mg/L	6448.73256372	0.02255214	0.51951221	32.70792517	0.51		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.324802340
Sb 206.834	Sb	n	0.00639336	0.00639336	mg/L	14.41759560	0.00011356	1.77626694	0.50569854	3.51	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.015244670
Se 196.026	Se	n	0.00675638	0.00675638	mg/L	44.01165667	0.00072503	10.73108966	3.03745330	6.90	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.398407550
Si 251.611	Si	n	4.85918761	4.85918761	mg/L	20063.48537115	0.02618943	0.53896731	107.80097236	0.54		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.201092061
Sn 189.925	Sn	n	0.05352390	0.05352390	mg/L	703.28368958	0.00086066	1.60798877	10.83923140	1.54	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.11615450
Sr 421.552	Sr-R	n	0.01389384	0.01389384	mg/L	3097.01768673	0.00009697	0.69793068	21.25781287	0.69	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.9880470
Ti 334.941	Ti	n	0.15957435	0.15957435	mg/L	39956.41468468	0.01825055	11.43701755	4559.59857194	11.41	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.5349620
Tl 190.794	Tl	nu	-0.00390354	-0.00390354	mg/L	-15.25248953	0.00024909	6.38111329	1.39198345	9.13	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.292026440
V 292.401	V	n	0.00896983	0.00896983	mg/L	205.62330336	0.00036186	4.03422480	12.47708526	6.07	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.14338280
Zn 206.200	Zn	n	2.21463431	2.21463431	mg/L	86402.33539188	0.01408687	0.63608111	544.73284993	0.63	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.54358141
Y 371.029	Y		0.95	0.95	Ratio	160065.39	0.02	1.78	2846.53	1.78		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	28481.00	0.00	0.34	96.13	0.34		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-013	Client ID: DOOR-S-15.9GE-INT-26 TO 27-240530-L-CB
Seqnum: 794219814067	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:47
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.05 ft2 $\Rightarrow$ 50.0 ml = 47.62 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	4.874	230	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	159841	-4.69

U=use

Label: 509117-013,341594

Rack/Tube: 1:45

Type: Sample

Date Time: 5/31/2024 7:47:14 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 Coef
Ag 328.068	Ag	n	0.00016769	0.00016769	mg/L	32.33424973	0.00014493	86.42670650	7.32483539	22.65		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.460
Al 396.152	Al	n	2.38045781	2.38045781	mg/L	105103.30962353	0.03492639	1.46721326	1538.08342378	1.46	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.855
As 188.980	As	n	0.02887669	0.02887669	mg/L	168.92646582	0.00096817	3.35278658	5.58958823	3.31	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.3319
B 249.678	B	n	0.01420128	0.01420128	mg/L	627.24084520	0.00051317	3.61355842	20.83290935	3.32	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386
Ba 230.424	Ba	n	0.03682320	0.03682320	mg/L	5790.37553332	0.00059037	1.60324238	91.86246018	1.59	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.78
Be 313.107	Be	n	0.00004852	0.00004852	mg/L	5.30227631	0.00000058	1.19073069	0.80077629	15.10	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.4
Ca 317.933	Ca-R	n	9.45098352	9.45098352	mg/L	67498.74862414	0.15379317	1.62727156	1084.19018038	1.61	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.6641
Cd 214.439	Cd	n	0.00035395	0.00035395	mg/L	239.91082892	0.00005602	15.82790776	12.73376759	5.31	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.49
Co 230.786	Co	n	0.00635040	0.00635040	mg/L	401.22220308	0.00013536	2.13151484	7.58391795	1.89	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.880
Cr 267.716	Cr	n	0.02360746	0.02360746	mg/L	1267.08962296	0.00036651	1.55251718	20.26191382	1.60	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.401
Cu 324.754	Cu	n	0.17720363	0.17720363	mg/L	9441.16141394	0.00197868	1.11661597	94.59942478	1.00	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.262
Fe 259.940	Fe	no	46.24524463	46.24524463	mg/L	1881346.06255262	0.67863651	1.46747307	27607.91117980	1.47	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441
K 766.491	K-R	n	2.35301441	2.35301441	mg/L	1256.85816270	0.03315787	1.40916546	20.49191034	1.63	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.01052
Li 670.783	Li-R	n	0.00818020	0.00818020	mg/L	175.68185441	0.00052581	6.42782048	23.62788645	13.45	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.271
Mg 279.800	Mg-R	n	3.65897361	3.65897361	mg/L	1761.75706360	0.07120812	1.94612290	34.10994187	1.94	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.01756
Mn 257.610	Mn	n	0.30937524	0.30937524	mg/L	127833.33411213	0.00379810	1.22766675	1566.10020960	1.23	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.13
Mo 204.598	Mo	n	0.00367311	0.00367311	mg/L	41.48529640	0.00027685	7.53724266	4.78530280	11.53	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.735
Na 589.592	Na-R	n	2.44895153	2.44895153	mg/L	12729.81683471	0.04764830	1.94566120	248.49364185	1.95	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.1628
Ni 231.604	Ni	n	0.06272857	0.06272857	mg/L	1386.24044853	0.00060120	0.95840861	13.20217422	0.95	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848
P 177.434	P	n	0.92170462	0.92170462	mg/L	126.61467100	0.00966809	1.04893540	1.31434239	1.04		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.94649
Pb 220.353	Pb	n	4.87375215	4.87375215	mg/L	58509.56006137	0.06848258	1.40513047	821.87955818	1.40	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.294
S 181.972	S	n	4.56146026	4.56146026	mg/L	6769.76872154	0.01588021	0.34813882	23.03146819	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.3248
Sb 206.834	Sb	n	0.00494143	0.00494143	mg/L	1.72110285	0.00058530	11.84478853	2.60635835	> 100.00	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152
Se 196.026	Se	n	0.00814621	0.00814621	mg/L	53.44833410	0.00170220	20.89564098	7.13120446	13.34	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.3984
Si 251.611	Si	n	4.59208064	4.59208064	mg/L	18964.27638078	0.02836862	0.61777276	116.77095841	0.62		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.2010
Sn 189.925	Sn	n	0.04570452	0.04570452	mg/L	603.46944269	0.00074707	1.63456629	9.40869555	1.56	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.116
Sr 421.552	Sr-R	n	0.01722323	0.01722323	mg/L	3830.36525597	0.00030641	1.77905997	67.17216655	1.75	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98
Ti 334.941	Ti	n	0.20803597	0.20803597	mg/L	52062.12036023	0.00824415	3.96284775	2059.66481506	3.96	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.53
Tl 190.794	Tl	nu	-0.00350784	-0.00350784	mg/L	-13.00958887	0.00029454	8.39650738	1.64595525	12.65	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.2920
V 292.401	V	n	0.00748863	0.00748863	mg/L	186.06219656	0.00006156	0.82205543	2.12262132	1.14	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143
Zn 206.200	Zn	no	109.04359503	109.04359503	mg/L	4217154.59221359	1.72358305	1.58063667	66650.16980468	1.58	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.543
Y 371.029	Y		0.95	0.95	Ratio	159840.99	0.01	0.97	1555.22	0.97		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	28667.11	0.02	1.69	483.59	1.69		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-014	Client ID: DOOR-S-15.9GE-INT-26 TO 27-240530-L-DUP-CB
Seqnum: 794219814068	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:50
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.06 ft2 ⇒ 50.0 ml = 47.17 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	6.017	280	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	162100	-3.34

U=use

Label:	509117-014.341594	Rack/Tube:	1:46	Type:	Sample
Date Time:	5/31/2024 7:50:22 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient
Ag 328.068	Ag	nu	0.00000716	0.00000716	mg/L	23.04164852	0.00003917	546.85016325	1.97939629	8.59		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780
Al 396.152	Al	n	3.20531859	3.20531859	mg/L	141470.18890222	0.02186589	0.68217537	962.92707286	0.68	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333
As 188.980	As	n	0.02869395	0.02869395	mg/L	167.86172226	0.00043263	1.50772518	2.49769333	1.49	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889
B 249.678	B	n	0.01373609	0.01373609	mg/L	605.44807632	0.00053883	3.92272983	21.87454161	3.61	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.3867396
Ba 230.424	Ba	n	0.03991715	0.03991715	mg/L	6273.54655384	0.00034179	0.85625758	53.18404190	0.85	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837
Be 313.107	Be	n	0.00005529	0.00005529	mg/L	14.30415568	0.00000710	12.84764048	9.84569992	68.83	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512
Ca 317.933	Ca-R	n	8.78808759	8.78808759	mg/L	62836.40958405	0.01637861	0.18637286	115.46370345	0.18	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533
Cd 214.439	Cd	n	0.00024968	0.00024968	mg/L	258.59663570	0.00003245	12.99877633	7.37693695	2.85	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498236
Co 230.786	Co	n	0.00790347	0.00790347	mg/L	493.91837988	0.00029315	3.70906590	16.42429342	3.33	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342
Cr 267.716	Cr	n	0.03043652	0.03043652	mg/L	1645.00501972	0.00092969	3.05451354	51.39628696	3.12	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965
Cu 324.754	Cu	n	0.21864132	0.21864132	mg/L	11407.56087624	0.00076451	0.34966353	36.55060909	0.32	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837
Fe 259.940	Fe	no	57.89681290	57.89681290	mg/L	2355348.60696994	0.32768019	0.56597277	13330.50251304	0.57	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411110
K 766.491	K-R	n	2.43273912	2.43273912	mg/L	1304.61915192	0.05185958	2.13173633	32.04976830	2.46	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610
Li 670.783	Li-R	n	0.00782138	0.00782138	mg/L	159.45633428	0.00053910	6.89269536	24.22530942	15.19	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254
Mg 279.800	Mg-R	n	4.32139584	4.32139584	mg/L	2081.92426240	0.01386838	0.32092362	6.64319769	0.32	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780
Mn 257.610	Mn	n	0.40041737	0.40041737	mg/L	165417.89658132	0.00425529	1.06271384	1754.61866411	1.06	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347
Mo 204.598	Mo	n	0.00411233	0.00411233	mg/L	49.08552240	0.00023980	5.83122812	4.14486543	8.44	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581
Na 589.592	Na-R	n	2.33875964	2.33875964	mg/L	12154.30900357	0.00262465	0.11222388	13.68796099	0.11	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521
Ni 231.604	Ni	n	0.07096471	0.07096471	mg/L	1569.98707148	0.00056488	0.79600544	12.40474441	0.79	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.8483407
P 177.434	P	n	0.90588978	0.90588978	mg/L	124.45247767	0.01824882	2.01446368	2.48086318	1.99		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494336
Pb 220.353	Pb	n	6.01708242	6.01708242	mg/L	72231.16752458	0.00367995	0.06115835	44.16414654	0.06	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943346
S 181.972	S	n	4.32596367	4.32596367	mg/L	6427.90529136	0.02749510	0.63558318	39.87682162	0.62		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234
Sb 206.834	Sb	n	0.00659116	0.00659116	mg/L	11.97805145	0.00046354	7.03273073	2.06414394	17.23	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.01524467
Se 196.026	Se	n	0.00846299	0.00846299	mg/L	53.07746233	0.00043669	5.15994367	1.82944906	3.45	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755
Si 256.611	Si	n	5.90780766	5.90780766	mg/L	24380.00914568	0.00902861	0.15282502	37.16356797	0.15		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206
Sn 189.925	Sn	n	0.05461530	0.05461530	mg/L	716.35770660	0.00037100	0.67930080	4.67244431	0.65	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545
Sr 421.552	Sr-R	n	0.01843694	0.01843694	mg/L	4096.10625790	0.00011394	0.61802162	24.97909197	0.61	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.988047
Ti 334.941	Ti	n	0.29009571	0.29009571	mg/L	72564.26088592	0.02038370	7.02654282	5092.53163438	7.02	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962
Tl 190.794	Tl	nu	-0.00324264	-0.00324264	mg/L	-11.52663001	0.00106129	32.72912219	5.93079043	51.45	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644
V 292.401	V	n	0.01047433	0.01047433	mg/L	273.99683504	0.00013484	1.28730510	4.64918577	1.70	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.1433826
Zn 206.200	Zn	n	32.34790759	32.34790759	mg/L	1251499.06322725	0.37620947	1.16301023	14547.84863807	1.16	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814
Y 371.029	Y		0.97	0.97	Ratio	162099.93	0.02	1.61	2615.48	1.61		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	28580.82	0.00	0.14	40.70	0.14		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-016	Client ID: DOOR-S-15.3GW-INT-26 TO 27-240530-L-CB
Seqnum: 794219814069	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:53
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 $\Rightarrow$ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	7.155	360	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	164783	-1.74

U=use

Label:	509117-016.341594	Rack/Tube:	1:47	Type:	Sample
Date Time:	5/31/2024 7:53:29 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient
Ag 328.068	Ag	nu	-0.00003598	-0.00003598	mg/L	22.59379537	0.00015242	423.62755640	7.70324010	34.09		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780
Al 396.152	Al	n	2.52103138	2.52103138	mg/L	111266.30306915	0.05090907	2.01937481	2241.92636749	2.01	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333
As 188.980	As	n	0.02390163	0.02390163	mg/L	140.22418168	0.00038467	1.60937611	2.22081058	1.58	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889
B 249.678	B	n	0.01289102	0.01289102	mg/L	575.60911660	0.00009901	0.76807336	4.01955058	0.70	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.3867396
Ba 230.424	Ba	n	0.03389696	0.03389696	mg/L	5334.41144852	0.00060681	1.79017140	94.42189467	1.77	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837
Be 313.107	Be	n	0.00009155	0.00009155	mg/L	65.09732649	0.00000534	5.83784208	7.40741822	11.38	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512
Ca 317.933	Ca-R	n	8.77767369	8.77767369	mg/L	62746.48099391	0.34292360	3.90677094	2417.49625481	3.85	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533
Cd 214.439	Cd	n	0.00029215	0.00029215	mg/L	203.94695025	0.00002376	8.13139027	5.39964811	2.65	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498236
Co 230.786	Co	n	0.00498375	0.00498375	mg/L	321.70912237	0.00025208	5.05803832	14.12350225	4.39	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342
Cr 267.716	Cr	n	0.02152361	0.02152361	mg/L	1151.64814217	0.00020626	0.95830506	11.40285773	0.99	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965
Cu 324.754	Cu	n	0.16279532	0.16279532	mg/L	8760.16659769	0.00254471	1.56313597	121.66081703	1.39	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837
Fe 259.940	Fe	no	38.24720348	38.24720348	mg/L	1555973.74219457	0.78027845	2.04009282	31742.85192668	2.04	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411110
K 766.491	K-R	n	2.19995804	2.19995804	mg/L	1163.15799374	0.09167658	4.16719656	56.65708832	4.87	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610
Li 670.783	Li-R	n	0.00798897	0.00798897	mg/L	167.08986860	0.00092307	11.55430040	41.47930576	24.82	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254
Mg 279.800	Mg-R	n	3.69283942	3.69283942	mg/L	1776.49914240	0.14110619	3.82107577	67.59234493	3.80	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780
Mn 257.610	Mn	n	0.28319200	0.28319200	mg/L	117014.01979979	0.00381516	1.34719866	1573.13546253	1.34	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347
Mo 204.598	Mo	n	0.00344949	0.00344949	mg/L	37.83503916	0.00031069	9.00692816	5.37024296	14.19	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581
Na 589.592	Na-R	n	2.26400029	2.26400029	mg/L	11765.63635101	0.09540793	4.21413046	497.56786897	4.23	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521
Ni 231.604	Ni	n	0.04868729	0.04868729	mg/L	1076.40618370	0.00095361	1.95864639	20.94116963	1.95	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.8483407
P 177.434	P	n	0.82972189	0.82972189	mg/L	114.11567522	0.02332536	2.81122635	3.17100099	2.78		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494336
Pb 220.353	Pb	n	7.15476208	7.15476208	mg/L	85883.02071231	0.07984577	1.11598082	958.25262015	1.12	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12601.2943346
S 181.972	S	n	4.12145083	4.12145083	mg/L	6131.90723225	0.01377575	0.33424524	19.97931643	0.33		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234
Sb 206.834	Sb	n	0.00726687	0.00726687	mg/L	10.51908265	0.00141377	19.45502391	6.29554617	59.85	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.01524467
Se 196.026	Se	n	0.00785265	0.00785265	mg/L	53.11187645	0.00068194	8.68422265	2.85692524	5.38	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755
Si 251.611	Si	n	4.60726674	4.60726674	mg/L	19026.87257743	0.01829081	0.39699907	75.28863684	0.40		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206
Sn 189.925	Sn	n	0.04365090	0.04365090	mg/L	577.27292869	0.00069674	1.59615689	8.77478574	1.52	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545
Sr 421.552	Sr-R	n	0.01764657	0.01764657	mg/L	3920.89891323	0.00067079	3.80125718	147.05226290	3.75	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.988047
Ti 334.941	Ti	n	0.20345785	0.20345785	mg/L	50918.06504812	0.01076283	5.28995781	2688.91698878	5.28	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962
Tl 190.794	Tl	nu	-0.00348828	-0.00348828	mg/L	-12.89082534	0.00026506	7.59866504	1.48124881	11.49	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644
V 292.401	V	n	0.00817211	0.00817211	mg/L	217.31899178	0.00011995	1.46784953	4.13604306	1.90	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.1433826
Zn 206.200	Zn	n	23.13695848	23.13695848	mg/L	895115.95636866	0.50254281	2.17203488	19433.10099921	2.17	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814
Y 371.029	Y		0.98	0.98	Ratio	164782.81	0.01	0.97	1597.49	0.97		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	28592.80	0.03	3.31	945.89	3.31		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-017	Client ID: DOOR-S-15.3GW-INT-26 TO 27-240530-L-DUP-CB
Seqnum: 794219814070	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:56
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 $\Rightarrow$ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	4.090	200	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	164159	-2.11

U=use

Label:	509117-017.341594	Rack/Tube:	1:48	Type:	Sample
Date Time:	5/31/2024 7:56:38 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

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	0.00015962	0.00015962	mg/L	32.30311908	0.00018009	112.82723103	9.10185697	28.18		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780
Al 396.152	Al	n	1.66808405	1.66808405	mg/L	73691.57602659	0.03152814	1.89008073	1388.43145257	1.88	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333
As 188.980	As	n	0.03272452	0.03272452	mg/L	191.14110273	0.00063693	1.94634191	3.67721394	1.92	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889
B 249.678	B	n	0.01263025	0.01263025	mg/L	564.64979817	0.00065250	5.16617049	26.48915308	4.69	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.3867396
Ba 230.424	Ba	n	0.01274297	0.01274297	mg/L	2042.41285181	0.00021059	1.65260526	32.76855336	1.60	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837
Be 313.107	Be	n	0.00012512	0.00012512	mg/L	111.72620434	0.00001187	9.48963053	16.45663180	14.73	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512
Ca 317.933	Ca-R	n	6.371111102	6.371111102	mg/L	45781.65715199	0.02166482	0.34004773	152.72969275	0.33	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533
Cd 214.439	Cd	n	0.00025907	0.00025907	mg/L	198.71522215	0.00001915	7.39169285	4.35269012	2.19	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498236
Co 230.786	Co	n	0.00583060	0.00583060	mg/L	369.38023118	0.00019508	3.34580711	10.92996231	2.96	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342
Cr 267.716	Cr	n	0.02272530	0.02272530	mg/L	1217.88681814	0.00057428	2.52706201	31.74828506	2.61	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965
Cu 324.754	Cu	n	0.35980745	0.35980745	mg/L	18177.87765275	0.00326223	0.90666091	155.96497882	0.86	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837
Fe 259.940	Fe	no	39.76966814	39.76966814	mg/L	1617907.53752145	0.43426535	1.09195115	17666.54025686	1.09	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411110
K 766.491	K-R	n	1.82227227	1.82227227	mg/L	930.34025824	0.09717262	5.33249720	60.05370033	6.46	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610
Li 670.783	Li-R	n	0.00728135	0.00728135	mg/L	134.85207392	0.00029086	3.99457035	13.07010284	9.69	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254
Mg 279.800	Mg-R	n	3.23693175	3.23693175	mg/L	1558.25518135	0.01857315	0.57378886	8.89686688	0.57	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780
Mn 257.610	Mn	n	0.25737777	0.25737777	mg/L	106371.58962361	0.00361720	1.40540488	1491.50938704	1.40	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347
Mo 204.598	Mo	n	0.00399005	0.00399005	mg/L	46.86259370	0.00138269	34.65338380	23.89936744	51.00	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581
Na 589.592	Na-R	n	1.80493901	1.80493901	mg/L	9371.72457841	0.01116803	0.61874861	58.24312088	0.62	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521
Ni 231.604	Ni	n	0.13634294	0.13634294	mg/L	3001.39091319	0.00163387	1.19835467	35.87958110	1.20	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.8483407
P 177.434	P	n	0.79916461	0.79916461	mg/L	109.95792269	0.00920974	1.15242041	1.25203133	1.14		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494336
Pb 220.353	Pb	n	4.09020411	4.09020411	mg/L	49106.52296076	0.03516869	0.85982723	422.06978177	0.86	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943346
S 181.972	S	n	3.76733922	3.76733922	mg/L	5617.78715108	0.01332551	0.35371151	19.32632092	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234
Sb 206.834	Sb	n	0.01006351	0.01006351	mg/L	23.22490002	0.00319310	31.72948995	14.21893144	61.22	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.01524467
Se 196.026	Se	n	0.00721757	0.00721757	mg/L	50.30864456	0.00108148	14.98401948	4.53075940	9.01	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755
Si 251.611	Si	no	10.20885734	10.20885734	mg/L	42084.07715447	4.39575608	43.05825750	18093.81598893	42.99		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206
Sn 189.925	Sn	n	0.09140059	0.09140059	mg/L	1178.63325924	0.02379305	26.03161193	299.65240747	25.42	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545
Sr 421.552	Sr-R	n	0.01296165	0.01296165	mg/L	2888.20688459	0.00007014	0.54112457	15.37594007	0.53	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.988047
Ti 334.941	Ti	n	0.18260001	0.18260001	mg/L	45707.13429673	0.00978021	5.35608315	2443.42400373	5.35	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962
Tl 190.794	Tl	nu	-0.00355992	-0.00355992	mg/L	-13.31424227	0.00084897	23.84799524	4.74429148	35.63	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644
V 292.401	V	n	0.00688441	0.00688441	mg/L	171.86491977	0.00044240	6.42610935	15.25400449	8.88	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.1433826
Zn 206.200	Zn	n	3.40582113	3.40582113	mg/L	132128.73057101	0.03201941	0.94013766	1238.17586204	0.94	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814
Y 371.029	Y		0.98	0.98	Ratio	164158.95	0.01	1.35	2221.83	1.35		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.98	0.98	Ratio	29053.62	0.01	0.62	180.12	0.62		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-019	Client ID: DOOR-S-15.2GE-EXT-10 TO 11-240530-L-CB
Seqnum: 794219814071	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:59
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 $\Rightarrow$ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	3.064	150	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	161293	-3.82

U=use

Label: 509117-019,341594 Rack/Tube: 1:49 Type: Sample
Date Time: 5/31/2024 7:59:45 PM Weight: 1 Volume: 1
Dilution: 1 %RSE limit: - Calibration Coefficient [3]: -
LIMS ID: Customer: Customer Ref.:
Sample Date: Sample Site: Description:
Time: Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00002476	-0.00002476	mg/L	23.63054660	0.00003529	142.55837127	1.78359206	7.55		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603
Al 396.152	Al	n	1.65844100	1.65844100	mg/L	73248.92804816	0.03016921	1.81913056	1328.58717336	1.81	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551
As 188.980	As	n	0.02800400	0.02800400	mg/L	163.90165103	0.00071226	2.54341529	4.11210257	2.51	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190
B 249.678	B	n	0.01348844	0.01348844	mg/L	601.08777494	0.00034334	2.54545232	13.93843789	2.32	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.3867
Ba 230.424	Ba	n	0.01221166	0.01221166	mg/L	1959.00332951	0.00024354	1.99433413	37.89571212	1.93	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780
Be 313.107	Be	n	0.00007835	0.00007835	mg/L	47.05913788	0.00001658	21.16735224	22.98600471	48.84	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43
Ca 317.933	Ca-R	n	7.33075224	7.33075224	mg/L	52541.09296878	0.01239111	0.16902915	87.35315248	0.17	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418
Cd 214.439	Cd	n	0.00023293	0.00023293	mg/L	170.54093105	0.00003792	16.27834667	8.61862802	5.05	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498
Co 230.786	Co	n	0.00440293	0.00440293	mg/L	286.43567922	0.00013591	3.08686529	7.61489298	2.66	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802
Cr 267.716	Cr	n	0.02184317	0.02184317	mg/L	1168.98210970	0.00026523	1.21425037	14.66286137	1.25	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013
Cu 324.754	Cu	n	0.26362455	0.26362455	mg/L	13587.34046400	0.00243295	0.92288359	116.31743758	0.86	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629
Fe 259.940	Fe	no	33.47711507	33.47711507	mg/L	1361918.05246371	0.44622023	1.33291123	18152.88182870	1.33	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411
K 766.491	K-R	n	2.02459784	2.02459784	mg/L	1055.97518198	0.01485445	0.73369863	9.18020429	0.87	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522
Li 670.783	Li-R	n	0.00774896	0.00774896	mg/L	156.04049509	0.00152925	19.73495817	68.71898133	44.04	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719
Mg 279.800	Mg-R	n	3.08227112	3.08227112	mg/L	1482.67499932	0.00336026	0.10901887	1.60962214	0.11	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566
Mn 257.610	Mn	n	0.19710404	0.19710404	mg/L	81495.31257689	0.00364786	1.85073044	1504.15362203	1.85	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133
Mo 204.598	Mo	n	0.00397057	0.00397057	mg/L	46.65089205	0.00064917	16.34949509	11.22071296	24.05	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353
Na 589.592	Na-R	n	1.97154419	1.97154419	mg/L	10240.96539261	0.00674314	0.34202317	35.16656221	0.34	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284
Ni 231.604	Ni	n	0.08381021	0.08381021	mg/L	1846.28853377	0.00065341	0.77963258	14.34882232	0.78	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.8483
P 177.434	P	n	0.84924168	0.84924168	mg/L	116.77289540	0.00362127	0.42641250	0.49229932	0.42		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494
Pb 220.353	Pb	n	3.06393222	3.06393222	mg/L	36788.96335146	0.02356536	0.76912146	282.81482551	0.77	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943
S 181.972	S	n	4.30612431	4.30612431	mg/L	6399.55065820	0.01501466	0.34868160	21.77613830	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480
Sb 206.834	Sb	n	0.00616904	0.00616904	mg/L	4.31891453	0.00106188	17.21296409	4.72854614	> 100.00	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.01524
Se 196.026	Se	n	0.00785256	0.00785256	mg/L	53.87752448	0.00066609	8.48244850	2.79051418	5.18	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840
Si 251.611	Si	n	5.72455462	5.72455462	mg/L	23625.84758247	2.27040620	39.66083575	9345.44849791	39.56		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109
Sn 189.925	Sn	n	0.07477148	0.07477148	mg/L	968.86976773	0.01582994	21.17108811	199.36405380	20.58	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161
Sr 421.552	Sr-R	n	0.01395020	0.01395020	mg/L	3106.55935598	0.00001618	0.11599873	3.54746311	0.11	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.988
Ti 334.941	Ti	n	0.12709832	0.12709832	mg/L	31840.51211578	0.01329593	10.46113513	3321.76835615	10.43	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534
Tl 190.794	Tl	nu	-0.00321071	-0.00321071	mg/L	-11.35445818	0.00041666	12.97727018	2.32842851	20.51	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202
V 292.401	V	n	0.00561962	0.00561962	mg/L	136.19662313	0.00037322	6.64134777	12.86863356	9.45	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.1433
Zn 206.200	Zn	no	47.64228226	47.64228226	mg/L	1842663.47832069	0.64519941	1.35425799	24949.56685090	1.35	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435
Y 371.029	Y		0.96	0.96	Ratio	161292.62	0.02	1.56	2523.69	1.56		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	28769.62	0.00	0.16	46.76	0.16		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-021	Client ID: DOOR-S-15.7GE-DG-11 TO 25-240530-L-LA
Seqnum: 794219814072	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 20:02
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.02 ft2 ⇒ 50.0 ml = 49.02 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	5.485	270	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	160046	-4.57

U=use

Label: 509117-021,341594	Rack/Tube: 1:50	Type: Sample
Date Time: 5/31/2024 8:02:52 PM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient (3): -
LIMS ID: _____	Customer: _____	Customer Ref.: _____
Sample Date Time: _____	Sample Site: _____	Description: _____
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00013617	-0.00013617	mg/L	15.83017894	0.00004334	31.82814059	2.19033153	13.84		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.46037801
Al 396.152	Al	n	2.97764819	2.97764819	mg/L	131437.62088162	0.03017602	1.01341775	1328.88698788	1.01	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.85513330
As 188.980	As	n	0.03732241	0.03732241	mg/L	217.67517145	0.00045219	1.21157125	2.61062890	1.20	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.331908897
B 249.678	B	n	0.01459179	0.01459179	mg/L	640.30497378	0.00011955	0.81929781	4.85330796	0.76	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.38673960
Ba 230.424	Ba	n	0.03309456	0.03309456	mg/L	5211.74922530	0.00032910	0.99442137	51.20877090	0.98	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.7808370
Be 313.107	Be	n	0.00005050	0.00005050	mg/L	7.71200324	0.00000431	8.54134510	5.97882103	77.53	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.435120
Ca 317.933	Ca-R	n	8.17178500	8.17178500	mg/L	58491.08318008	0.00772436	0.09452480	54.45416645	0.09	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.664185334
Cd 214.439	Cd	n	0.00017643	0.00017643	mg/L	239.56078158	0.00000616	3.49398483	1.40119013	0.58	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.4982380
Co 230.786	Co	n	0.00823870	0.00823870	mg/L	512.36012372	0.00020461	2.48348249	11.46368312	2.24	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.88023420
Cr 267.716	Cr	n	0.03990227	0.03990227	mg/L	2168.23060076	0.00050514	1.26593315	27.92563881	1.29	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.40139650
Cu 324.754	Cu	n	0.40665081	0.40665081	mg/L	20396.88828811	0.00267113	0.65686021	127.70463133	0.63	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.26298370
Fe 259.940	Fe	no	56.93558535	56.93558535	mg/L	2316243.86709421	0.51332091	0.90158187	20882.63449955	0.90	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.44111100
K 766.491	K-R	n	2.44291545	2.44291545	mg/L	1311.16231244	0.02755853	1.12810014	17.03146317	1.30	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.0105226100
Li 670.783	Li-R	n	0.00828951	0.00828951	mg/L	180.37884668	0.00175815	21.20928407	79.00449661	43.80	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.27192540
Mg 279.800	Mg-R	n	4.09838522	4.09838522	mg/L	1974.93464606	0.02670454	0.65158693	12.79194488	0.65	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.0175667800
Mn 257.610	Mn	n	0.38411991	0.38411991	mg/L	158695.14626428	0.00341009	0.88776834	1406.11219438	0.89	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.1333470
Mo 204.598	Mo	n	0.00398521	0.00398521	mg/L	46.84809210	0.00050301	12.62187636	8.69436139	18.56	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.73535810
Na 589.592	Na-R	n	2.34175376	2.34175376	mg/L	12170.01638540	0.01056555	0.45118105	55.10105970	0.45	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.162845210
Ni 231.604	Ni	n	0.16517561	0.16517561	mg/L	3638.65664915	0.00119163	0.72143499	26.16811568	0.72	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.84834070
P 177.434	P	n	1.05118001	1.05118001	mg/L	144.20394120	0.01485634	1.41330079	2.01966672	1.40		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.9464943380
Pb 220.353	Pb	n	5.48514104	5.48514104	mg/L	65847.44677948	0.04625312	0.84324400	555.09734169	0.84	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.29433490
S 181.972	S	n	4.27590574	4.27590574	mg/L	6355.22601105	0.03843121	0.89878528	55.73773903	0.88		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.324802340
Sb 206.834	Sb	n	0.00801956	0.00801956	mg/L	18.18863211	0.00250190	31.19750665	11.14100940	61.25	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.015244670
Se 196.026	Se	n	0.01111610	0.01111610	mg/L	64.27853822	0.00074625	6.71320126	3.12632138	4.86	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.398407550
Si 251.611	Si	n	5.71011253	5.71011253	mg/L	23566.25424612	0.17637889	3.08888646	726.01099007	3.08		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.201092061
Sn 189.925	Sn	n	0.07598596	0.07598596	mg/L	985.45740000	0.00123806	1.62933219	15.59231886	1.58	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.11615450
Sr 421.552	Sr-R	n	0.01773393	0.01773393	mg/L	3940.48703471	0.00002038	0.11491861	4.46765272	0.11	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.9880470
Ti 334.941	Ti	n	0.18545429	0.18545429	mg/L	46421.29521568	0.01399703	7.54742993	3496.92814726	7.53	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.5349620
Tl 190.794	Tl	nu	-0.00340015	-0.00340015	mg/L	-12.41029953	0.00028631	8.42054647	1.59998879	12.89	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.292026440
V 292.401	V	n	0.01001955	0.01001955	mg/L	259.09806015	0.00048411	4.83165457	16.69218966	6.44	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.14338280
Zn 206.200	Zn	n	29.17405467	29.17405467	mg/L	1128760.13470865	0.42205816	1.44669011	16320.79659004	1.45	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.54358141
Y 371.029	Y		0.95	0.95	Ratio	160045.56	0.02	2.16	3456.01	2.16		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	28507.25	0.00	0.39	110.25	0.39		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 509117-023	Client ID: DOOR-S-15.7GW-DG-11 TO 25-240530-L-LA
Seqnum: 794219814075	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 341594	Time: 31-MAY-2024 20:12
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.02 ft2 ⇒ 50.0 ml = 49.02 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.922	140	0.50	0.18	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	167703	159355	-4.98

U=use

Label:	509117-023,341594	Rack/Tube:	1:51	Type:	Sample
Date Time:	5/31/2024 8:12:45 PM	Weight:	1	Volum:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient (3):	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00010354	-0.00010354	mg/L	16.81855031	0.00007537	72.78864819	3.80910177	22.65		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.46037801
Al 396.152	Al	n	1.95036340	1.95036340	mg/L	86218.53079025	0.01896681	0.97247568	835.25762017	0.97	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.85513330
As 188.980	As	n	0.03432098	0.03432098	mg/L	200.30856870	0.00134575	3.92106119	7.76944265	3.88	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.331908897
B 249.678	B	n	0.01451562	0.01451562	mg/L	635.37275827	0.00049645	3.42012786	20.15418641	3.17	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.38673960
Ba 230.424	Ba	n	0.01944791	0.01944791	mg/L	3088.54514225	0.00020089	1.03298142	31.25955354	1.01	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.7808370
Be 313.107	Be	n	0.00004900	0.00004900	mg/L	5.54346914	0.00000251	5.13304762	3.48572243	62.88	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.435120
Ca 317.933	Ca-R	n	7.54085235	7.54085235	mg/L	54049.32169432	0.12247532	1.62415755	863.40989803	1.60	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.664185334
Cd 214.439	Cd	nu	-0.00002581	-0.00002581	mg/L	216.99028143	0.00002241	86.83031767	5.09468573	2.35	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.4982380
Co 230.786	Co	n	0.00834700	0.00834700	mg/L	521.50910672	0.00004408	0.52804987	2.46950266	0.47	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.88023420
Cr 267.716	Cr	n	0.04180799	0.04180799	mg/L	2273.70245843	0.00031458	0.75243951	17.39104124	0.76	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.40139650
Cu 324.754	Cu	n	0.40447529	0.40447529	mg/L	20284.04301524	0.00336128	0.83102235	160.70032424	0.79	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.26298370
Fe 259.940	Fe	no	66.01909934	66.01909934	mg/L	2685773.23615630	0.56739920	0.85944704	23082.61695503	0.86	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.44111100
K 766.491	K-R	n	2.38943126	2.38943126	mg/L	1277.61614960	0.05683993	3.27880589	35.1267570	2.75	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.0105226100
Li 670.783	Li-R	n	0.00697285	0.00697285	mg/L	120.88379754	0.00031493	4.51649030	14.15170117	11.71	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.27192540
Mg 279.800	Mg-R	n	3.42670975	3.42670975	mg/L	1654.76436865	0.04398302	1.28353499	21.06863855	1.27	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.0175667800
Mn 257.610	Mn	n	0.36636057	0.36636057	mg/L	151396.26784319	0.00216987	0.59227788	894.72123315	0.59	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520629079	412338.1333470
Mo 204.598	Mo	n	0.00574469	0.00574469	mg/L	76.76335311	0.00059258	10.31530058	10.24262422	13.34	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.73535810
Na 589.592	Na-R	n	2.16356878	2.16356878	mg/L	11240.53472174	0.03562585	1.64662441	185.79461801	1.65	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.162845210
Ni 231.604	Ni	n	0.17314746	0.17314746	mg/L	3815.23616882	0.00171862	0.99257763	37.74069949	0.99	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.84834070
P 177.434	P	n	0.97880321	0.97880321	mg/L	134.35609581	0.02612261	2.66883191	3.55127760	2.64		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.9464943380
Pb 220.353	Pb	n	2.92205404	2.92205404	mg/L	35090.64896952	0.01522152	0.52091854	182.67795534	0.52	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.29433490
S 181.972	S	n	4.51284136	4.51284136	mg/L	6698.15288530	0.01494538	0.33117447	21.67565296	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.324802340
Sb 206.834	Sb	n	0.01179553	0.01179553	mg/L	36.74315524	0.00100137	8.48943959	4.45913566	12.14	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.015244670
Se 196.026	Se	n	0.00755534	0.00755534	mg/L	48.36771256	0.00241670	31.98670687	10.12453654	20.93	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.398407550
Si 251.611	Si	n	3.97645762	3.97645762	mg/L	16430.03516611	0.00904196	0.22738736	37.21853406	0.23		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.201092061
Sn 189.925	Sn	n	0.07409273	0.07409273	mg/L	961.93864054	0.00047284	0.63817232	5.95499269	0.62	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.11615450
Sr 421.552	Sr-R	n	0.01405248	0.01405248	mg/L	3132.58548558	0.00013032	0.92736300	28.56846535	0.91	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.9880470
Ti 334.941	Ti	n	0.12989678	0.12989678	mg/L	32541.43339569	0.00783843	6.03435048	1958.30187989	6.02	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.5349620
Tl 190.794	Tl	nu	-0.00312229	-0.00312229	mg/L	-10.88521598	0.00057194	18.31798135	3.19617150	29.36	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.292026440
V 292.401	V	n	0.00681330	0.00681330	mg/L	140.18205265	0.00019377	2.84405276	6.68135345	4.77	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.14338280
Zn 206.200	Zn	n	15.32084315	15.32084315	mg/L	593135.44955590	0.26604181	1.73646979	10287.71546898	1.73	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.49067777074485	38669.54358141
Y 371.029	Y		0.95	0.95	Ratio	159355.04	0.01	1.43	2273.11	1.43		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	29220.82	0.01	1.28	373.01	1.28		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	Lab ID: QC1157444	
Seqnum: 794219814055.2	Matrix: Wipe	
File: icp data	Batch: 341594	Time: 31-MAY-2024 19:09
Cal: 794219814001	Caldate: 31-MAY-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

• 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.003640	ND	0.50	U

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	167703	161437	-3.74

U=USE

Label: BLANK, QC1157444, 341594

Rack/Tube: 1:35

Type: Sample

Date Time: 5/31/2024 7:09:42 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date
Time:

Sample Site:

Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00002125	-0.00002125	mg/L	26.38704212	0.00010427	490.78342229	5.26998131	19.97		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	0.00914536	0.00914536	mg/L	450.98883791	0.00048285	5.27968828	21.26352771	4.71	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	0.00038423	0.00038423	mg/L	4.48838125	0.00011511	29.95917490	0.66457918	14.81	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	n	0.00053114	0.00053114	mg/L	82.31635526	0.00029505	55.54970776	11.97793197	14.55	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	n	0.00012499	0.00012499	mg/L	73.43957537	0.00005938	47.50541653	9.23956941	12.58	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	0.00007730	0.00007730	mg/L	46.73903898	0.00000437	5.65317652	6.05649180	12.96	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	0.02145119	0.02145119	mg/L	984.62305356	0.00163050	7.60097726	11.49447571	1.17	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	0.00021667	0.00021667	mg/L	55.97778077	0.00001797	8.29286349	4.08406355	7.30	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	nu	0.00015315	0.00015315	mg/L	33.23734851	0.00024856	162.29696442	13.92647601	41.90	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	0.00034163	0.00034163	mg/L	-21.33027652	0.00006600	19.31865855	3.64855938	17.11	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	nu	0.00035359	0.00035359	mg/L	1038.52981779	0.00088826	251.21560773	42.46724518	4.09	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	0.02745965	0.02745965	mg/L	1129.99264065	0.00037785	1.37601824	15.37147551	1.36	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441111059
K 766.491	K-R	n	0.42816739	0.42816739	mg/L	75.36305313	0.05627675	13.14363185	34.77962107	46.15	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	n	0.00484295	0.00484295	mg/L	24.26401411	0.00048917	10.10065219	21.98145862	90.59	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	n	0.01079396	0.01079396	mg/L	3.87708041	0.00858873	79.56976320	4.11415083	> 100.00	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	n	0.00048741	0.00048741	mg/L	304.42804555	0.00006535	13.40788662	26.94694307	8.85	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	n	0.00229685	0.00229685	mg/L	17.84038816	0.00041112	17.89931697	7.10610766	39.83	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	n	0.01303506	0.01303506	mg/L	29.56486926	0.00465710	35.72748384	24.28752465	82.15	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	nu	-0.00096165	-0.00096165	mg/L	-23.13292846	0.00025737	26.76376891	5.65186471	24.43	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	n	0.00823810	0.00823810	mg/L	2.46123474	0.00742185	90.09167531	1.00897400	40.99		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	0.00363957	0.00363957	mg/L	60.08817598	0.00069581	19.11780568	8.35057911	13.90	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	n	0.03172721	0.03172721	mg/L	200.45115160	0.00509819	16.06883405	7.39403576	3.69		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	0.00573602	0.00573602	mg/L	-5.21054119	0.00142745	24.88566621	6.35644590	> 100.00	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	n	0.00170363	0.00170363	mg/L	32.49678755	0.00121645	71.40341950	5.09618826	15.68	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	n	0.03116076	0.03116076	mg/L	190.94787658	0.00222935	7.15435438	9.17645639	4.81		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	n	0.02405199	0.02405199	mg/L	328.31319573	0.00036203	1.50518415	4.55940650	1.39	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	0.00018598	0.00018598	mg/L	68.44097039	0.00005803	31.20058141	12.72084952	18.59	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	0.00063983	0.00063983	mg/L	245.23875665	0.00019503	30.48196002	48.72594981	19.87	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	nu	-0.00123956	-0.00123956	mg/L	-0.35044355	0.00014167	11.42947233	0.79172092	> 100.00	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	nu	-0.00014941	-0.00014941	mg/L	-24.29396338	0.00017966	120.24353623	6.19459097	25.50	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	0.00614793	0.00614793	mg/L	250.51101484	0.00006654	1.08228338	2.57299507	1.03	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y		0.96	0.96	Ratio	161437.48	0.02	2.29	3690.52	2.29		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	29235.52	0.00	0.29	84.96	0.29		-	-	-	Fitted	-	-

ENTHALPY SPIKE USER REPORT FOR 509117 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET12	Inst: MET12
Seqnum: 794219814056.2	Seqnum: 794219814057.2
File: icp data	File: icp data
IDF: 1.0	IDF: 1.0
Lab ID: QC1157445	Lab ID: QC1157446
Matrix: Wipe	Matrix: Wipe
Batch: 341594	Batch: 341594
Time: 31-MAY-2024 19:12	Time: 31-MAY-2024 19:15
Cal: 794219814001	Cal: 794219814001
Units: ug/ft2	

- BS: 1.00 ft2 $\Rightarrow$ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 $\Rightarrow$ 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	1.042	52.10	A	104	1.018	50.88	A	102	80-120	2	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	167703	161019	-3.99

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	167703	160421	-4.34

U=USE

Label: BS, QC1157445, 341594

Rack/Tube: 1:36

Type: Sample

Date Time: 5/31/2024 7:12:50 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient (3): -

LIMS ID:

Customer:

Customer Ref.:

Sample Date Time:

Sample Site:

Description:

Replicates: 3

Flags Replicate 1:

Flags Replicate 2:

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.47496932	0.47496932	mg/L	24032.11837944	0.00144617	0.30447655	73.08866107	0.30		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.46037801
Al 396.152	Al	n	0.97743410	0.97743410	mg/L	43103.06826246	0.00737139	0.75415756	324.62034169	0.75	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.85513330
As 188.980	As	n	0.94039455	0.94039455	mg/L	5431.49592172	0.00344018	0.36582325	19.86131182	0.37	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.331908897
B 249.678	B	n	0.91025295	0.91025295	mg/L	37013.68523739	0.00623444	0.68491269	253.09565648	0.68	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.38673968
Ba 230.424	Ba	n	1.04756780	1.04756780	mg/L	163059.07920475	0.01141307	1.08948265	1775.90534509	1.09	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.7808375
Be 313.107	Be	n	1.00694082	1.00694082	mg/L	1395557.87481401	0.00748183	0.74302546	10369.79997709	0.74	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.435125
Ca 317.933	Ca-R	n	1.06359610	1.06359610	mg/L	8332.19167074	0.00031161	0.02929775	2.19674367	0.03	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.664185334
Cd 214.439	Cd	n	0.99597685	0.99597685	mg/L	226394.21522405	0.00488829	0.49080353	1111.10088647	0.49	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.4982386
Co 230.786	Co	n	1.06667071	1.06667071	mg/L	59788.47615644	0.01028521	0.96423447	576.25832692	0.96	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.88023426
Cr 267.716	Cr	n	1.01156307	1.01156307	mg/L	55882.57813901	0.00726089	0.71778932	401.40679302	0.72	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.40139656
Cu 324.754	Cu	n	1.04025894	1.04025894	mg/L	50754.96304162	0.00936226	0.89999302	447.60265029	0.88	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.26298376
Fe 259.940	Fe	n	1.11778621	1.11778621	mg/L	45487.59311594	0.00555964	0.49737978	226.17427290	0.50	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.44111105
K 766.491	K-R	n	9.01926686	9.01926686	mg/L	5384.21187533	0.02956625	0.32781208	18.27225122	0.34	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.0105226105
Li 670.783	Li-R	n	1.00243735	1.00243735	mg/L	44852.77571826	0.00091849	0.09162583	41.27358620	0.09	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.27192543
Mg 279.800	Mg-R	n	1.01649812	1.01649812	mg/L	485.86403153	0.00665794	0.65498799	3.18927048	0.66	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.0175667805
Mn 257.610	Mn	n	1.04165838	1.04165838	mg/L	429623.17491961	0.00652600	0.62650122	2690.91965730	0.63	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.1333472
Mo 204.598	Mo	n	1.02153141	1.02153141	mg/L	17635.32097821	0.00790690	0.77402393	136.66863326	0.77	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.73535812
Na 589.592	Na-R	n	14.47531682	14.47531682	mg/L	75452.45533206	0.03802008	0.26265456	198.28090564	0.26	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.162845216
Ni 231.604	Ni	n	1.05229234	1.05229234	mg/L	23106.49230479	0.00387975	0.36869490	85.19868238	0.37	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.84834076
P 177.434	P	n	0.01280806	0.01280806	mg/L	3.08421294	0.00838091	65.43465074	1.13935510	36.94		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.9464943385
Pb 220.353	Pb	n	1.04197044	1.04197044	mg/L	12519.45855789	0.00208640	0.20023571	25.03946379	0.20	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.29433492
S 181.972	S	n	0.03369537	0.03369537	mg/L	203.65646340	0.00165057	4.89851894	2.39386841	1.18		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.324802346
Sb 206.834	Sb	n	0.95260098	0.95260098	mg/L	4211.35050978	0.00648600	0.68087268	28.88225594	0.69	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.015244676
Se 196.026	Se	n	0.85712073	0.85712073	mg/L	3616.08192056	0.00379925	0.44325725	15.91657111	0.44	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.398407552
Si 251.611	Si	n	4.79301135	4.79301135	mg/L	19791.73052472	0.00306224	0.06388979	12.60481521	0.06		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.201092061
Sn 189.925	Sn	n	0.02401624	0.02401624	mg/L	327.94682471	0.00033985	1.41507574	4.28008501	1.31	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.11615453
Sr 421.552	Sr-R	n	1.04909735	1.04909735	mg/L	230015.28964568	0.00497951	0.47464677	1091.61736286	0.47	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.9880476
Ti 334.941	Ti	n	1.02976515	1.02976515	mg/L	257355.40380542	0.00922816	0.89614267	2305.50504612	0.90	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.5349626
Tl 190.794	Tl	n	1.03011062	1.03011062	mg/L	5763.15232808	0.00036007	0.03495486	2.01219730	0.03	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.292026445
V 292.401	V	n	1.03179375	1.03179375	mg/L	35556.16465340	0.00253591	0.24577656	87.43844356	0.25	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.14338282
Zn 206.200	Zn	n	0.99453929	0.99453929	mg/L	38481.94224349	0.00574893	0.57804963	222.30852622	0.58	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.54358141
Y 371.029	Y		0.96	0.96	Ratio	161019.39	0.02	2.12	3406.54	2.12		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	28876.33	0.00	0.30	86.63	0.30		-	-	-	Fitted	-	-

Label: BSD, QC1157446, 341594 Rack/Tube: 1:37 Type: Sample
Date Time: 5/31/2024 7:15:57 PM Weight: 1 Volume: 1
Dilution: 1 %RSE limit: - Calibration Coefficient [3]: -
LIMS ID: Customer: Customer Ref.:
Sample Date: Sample Site: Description:
Time: 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	0.46303253	0.46303253	mg/L	23428.83858408	0.00125899	0.27190073	63.62861759	0.27		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.46037801
Al 396.152	Al	n	0.96134637	0.96134637	mg/L	42394.45940669	0.00964514	1.00329509	424.75132030	1.00	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.85513330
As 188.980	As	n	0.91698310	0.91698310	mg/L	5296.33384148	0.00418041	0.45588697	24.13487409	0.46	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.331908897
B 249.678	B	n	0.89341827	0.89341827	mg/L	36330.25575711	0.00591433	0.66198935	240.10058185	0.66	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.38673968
Ba 230.424	Ba	n	1.02343035	1.02343035	mg/L	159303.21701777	0.00988408	0.96577976	1537.99082171	0.97	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.7808375
Be 313.107	Be	n	0.98638703	0.98638703	mg/L	1367070.35833409	0.01269432	1.28695166	17594.31353084	1.29	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.435125
Ca 317.933	Ca-R	n	1.05411692	1.05411692	mg/L	8265.36577511	0.00367540	0.34867078	25.91031949	0.31	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.664185334
Cd 214.439	Cd	n	0.97162461	0.97162461	mg/L	220858.97593206	0.00473070	0.48688563	1075.28115072	0.49	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.4982386
Co 230.786	Co	n	1.04013638	1.04013638	mg/L	58301.81128865	0.00980730	0.94288556	549.48199288	0.94	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.88023426
Cr 267.716	Cr	n	0.98860619	0.98860619	mg/L	54613.44181571	0.00910465	0.92095828	503.33604896	0.92	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.40139658
Cu 324.754	Cu	n	1.01680073	1.01680073	mg/L	49633.43892722	0.00729373	0.71732159	348.70791158	0.70	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.26298376
Fe 259.940	Fe	n	1.11138447	1.11138447	mg/L	45227.12728578	0.00930709	0.83743208	378.62583834	0.84	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.44111105
K 766.491	K-R	n	8.84826768	8.84826768	mg/L	5278.53968227	0.05577697	0.63037167	34.47075612	0.65	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.0105226105
Li 670.783	Li-R	n	0.98209118	0.98209118	mg/L	43938.48667109	0.00265315	0.27015313	119.22267092	0.27	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.27192540
Mg 279.800	Mg-R	n	1.00378938	1.00378938	mg/L	479.77546838	0.00711114	0.70842984	3.40636264	0.71	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.0175667805
Mn 257.610	Mn	n	1.01855016	1.01855016	mg/L	420094.74586945	0.00843162	0.82780625	3476.67923515	0.83	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.1333472
Mo 204.598	Mo	n	1.00260308	1.00260308	mg/L	17308.14851196	0.01080580	1.07777417	186.77534224	1.08	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.73535812
Na 589.592	Na-R	n	14.13662404	14.13662404	mg/L	73686.12072238	0.02487832	0.17598488	129.74449085	0.18	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.162845216
Ni 231.604	Ni	n	1.02553922	1.02553922	mg/L	22518.99413401	0.00817460	0.79710291	179.51304183	0.80	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.84834076
P 177.434	P	n	0.01675478	0.01675478	mg/L	3.62068008	0.00803587	47.96168786	1.09244875	30.17		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.9464943385
Pb 220.353	Pb	n	1.01757152	1.01757152	mg/L	12226.65028483	0.00329369	0.32368101	39.52849241	0.32	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.29433492
S 181.972	S	n	0.03148170	0.03148170	mg/L	200.44314988	0.00455385	14.46507795	6.60456456	3.29		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.324802346
Sb 206.834	Sb	n	0.93169372	0.93169372	mg/L	4118.24982782	0.00616836	0.66205867	27.46779697	0.67	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.015244676
Se 196.026	Se	n	0.83833341	0.83833341	mg/L	3537.37442201	0.00317617	0.37886775	13.30626213	0.38	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.398407552
Si 251.611	Si	n	4.70954497	4.70954497	mg/L	19448.16634065	0.01759604	0.37362498	72.42882365	0.37		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.201092061
Sn 189.925	Sn	n	0.02245752	0.02245752	mg/L	308.31570792	0.00021867	0.97371919	2.75399551	0.89	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.11615450
Sr 421.552	Sr-R	n	1.02341780	1.02341780	mg/L	224385.73166935	0.00247007	0.24135491	541.49347317	0.24	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.9880476
Ti 334.941	Ti	n	1.00559530	1.00559530	mg/L	251316.96385339	0.01125568	1.11930558	2812.04737477	1.12	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.5349620
Tl 190.794	Tl	n	1.00600653	1.00600653	mg/L	5628.45159963	0.00425848	0.42330495	23.79760435	0.42	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.292026445
V 292.401	V	n	1.01189275	1.01189275	mg/L	34869.97732225	0.00593946	0.58696578	204.79357711	0.59	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.14338282
Zn 206.200	Zn	n	0.97362980	0.97362980	mg/L	37673.34582024	0.00495636	0.50905995	191.66015493	0.51	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.54358141
Y 371.029	Y		0.96	0.96	Ratio	160421.01	0.02	2.13	3420.63	2.13		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	28756.89	0.01	0.74	212.08	0.74		-	-	-	Fitted	-	-

Instrument:	MET12	Date:	31-MAY-2024 15:34
Calibration #:	794219814001	X Axis:	R
Units:	mg/L		

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794219814002	L1	31-MAY-2024 15:37	S20849
L2	icp data	794219814003	L2	31-MAY-2024 15:40	S20848
L3	icp data	794219814004	L3	31-MAY-2024 15:43	S20847
L4	icp data	794219814005	L4	31-MAY-2024 15:46	S20846
L5	icp data	794219814006	L5	31-MAY-2024 15:49	S20845
L6	icp data	794219814007	L6	31-MAY-2024 15:53	S20614

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	-0.0031	8.58E-5		13601	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	19952	13597	12451	12176	11809	11621

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-21	0.0100	-14	0.1000	4	1.0000	4	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	
Calnum: 794219814001	Cal Date: 31-MAY-2024

- ICV 794219814010 (31-MAY-2024) stds: S20784

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.023	mg/L	2	10	

Label: ICALBLK

Rack/Tube: S1:1

Type: BLK

Date Time: 5/31/2024 3:34:15 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	0.00000000	0.00000000	mg/L	27.46291065	-	-	8.97057481	32.66	-	Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102	0.00000
Al 396.152	Al	n	0.00000000	0.00000000	mg/L	165.97015321	-	-	17.75923400	10.70	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361	0.00000
As 188.980	As	n	0.00000000	0.00000000	mg/L	11.54000310	-	-	4.28273993	37.11	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774	0.00000
B 249.678	B	n	0.00000000	0.00000000	mg/L	83.79440724	-	-	3.56681755	4.26	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682	0.00000
Ba 230.424	Ba	n	0.00000000	0.00000000	mg/L	47.19112518	-	-	10.25263918	21.73	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515	0.00000
Be 313.107	Be	n	0.00000000	0.00000000	mg/L	9.95358337	-	-	8.96644260	90.08	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984	0.00000
Ca 317.933	Ca-R	n	0.00000000	0.00000000	mg/L	884.70448454	-	-	11.29201062	1.28	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428	0.00000
Cd 214.439	Cd	n	0.00000000	0.00000000	mg/L	21.37469150	-	-	3.04073862	14.23	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662	0.00000
Co 230.786	Co	n	0.00000000	0.00000000	mg/L	36.96179288	-	-	6.95014803	18.80	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621	0.00000
Cr 267.716	Cr	n	0.00000000	0.00000000	mg/L	-40.63631326	-	-	4.23602597	10.42	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866	0.00000
Cu 324.754	Cu	n	0.00000000	0.00000000	mg/L	1051.44918480	-	-	9.27447119	0.88	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823	0.00000
Fe 259.940	Fe	n	0.00000000	0.00000000	mg/L	26.37132059	-	-	9.89932028	37.54	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411111059	0.00000
K 766.491	K-R	n	0.00000000	0.00000000	mg/L	44.73099494	-	-	20.87953904	46.68	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523	0.00000
Li 670.783	Li-R	n	0.00000000	0.00000000	mg/L	0.00000000	-	-	47.02035105	> 100.00	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338	0.00000
Mg 279.800	Mg-R	n	0.00000000	0.00000000	mg/L	0.93524290	-	-	1.41335394	> 100.00	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508	0.00000
Mn 257.610	Mn	n	0.00000000	0.00000000	mg/L	94.65360713	-	-	10.52785417	11.12	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217	0.00000
Mo 204.598	Mo	n	0.00000000	0.00000000	mg/L	9.56325267	-	-	6.48707238	67.83	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288	0.00000
Na 589.592	Na-R	n	0.00000000	0.00000000	mg/L	79.02177221	-	-	41.04009895	51.94	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657	0.00000
Ni 231.604	Ni	n	0.00000000	0.00000000	mg/L	-10.35288068	-	-	5.66033083	54.67	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769	0.00000
P 177.434	P	n	0.00000000	0.00000000	mg/L	1.34132570	-	-	0.69772050	52.02	-	Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525	0.00000
Pb 220.353	Pb	n	0.00000000	0.00000000	mg/L	34.93007277	-	-	6.99625383	20.03	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277	0.00000
S 181.972	S	n	0.00000000	0.00000000	mg/L	154.43241024	-	-	3.91532612	2.54	-	Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611	0.00000
Sb 206.834	Sb	n	0.00000000	0.00000000	mg/L	-16.51177119	-	-	11.14664510	67.51	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768	0.00000
Se 196.026	Se	n	0.00000000	0.00000000	mg/L	20.82133002	-	-	6.64216244	31.90	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228	0.00000
Si 251.611	Si	n	0.00000000	0.00000000	mg/L	62.68318865	-	-	4.07165940	6.50	-	Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199	0.00000
Sn 189.925	Sn	n	0.00000000	0.00000000	mg/L	21.79168096	-	-	2.89050470	13.26	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371	0.00000
Sr 421.552	Sr-R	n	0.00000000	0.00000000	mg/L	48.82076065	-	-	15.58653044	31.93	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768	0.00000
Ti 334.941	Ti	n	0.00000000	0.00000000	mg/L	91.35742336	-	-	9.05465221	9.91	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933	0.00000
Tl 190.794	Tl	n	0.00000000	0.00000000	mg/L	3.19094914	-	-	1.29478818	40.58	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513	0.00000
V 292.401	V	n	0.00000000	0.00000000	mg/L	-14.80590748	-	-	3.27685994	22.13	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827	0.00000
Zn 206.200	Zn	n	0.00000000	0.00000000	mg/L	24.63385259	-	-	5.51907785	22.40	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125	0.00000
Y 371.029	Y	1.00	1.00	Ratio	167703.04	0.00	0.00	1189.43	0.71	-	-	-	-	-	Fitted	-	-	1.00
Y 371.029	Y-R	1.00	1.00	Ratio	29665.50	0.00	0.00	100.17	0.34	-	-	-	-	-	Fitted	-	-	1.00

Label: ICAL.L1.S20849

Rack/Tube: S1:2

Type: STD

Date Time: 5/31/2024 3:37:23 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
Ag 328.068	Ag	n			mg/L	28.12609610	-	-	1.10466732	3.93		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102	
Al 396.152	Al	n	0.00666667	0.00666667	mg/L	396.07335851	-	-	26.81838339	6.77	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361	0.0066666
As 188.980	As	n	0.00333333	0.00333333	mg/L	23.86952288	-	-	3.18919716	13.36	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774	0.0033333
B 249.678	B	n	0.00333333	0.00333333	mg/L	199.80189367	-	-	8.36862590	4.19	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682	0.0033333
Ba 230.424	Ba	n	0.00333333	0.00333333	mg/L	582.12881359	-	-	18.38543267	3.16	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515	0.0033333
Be 313.107	Be	n	0.00100000	0.00100000	mg/L	1301.78359713	-	-	6.80632307	0.52	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984	0.0010000
Ca 317.933	Ca-R	n	0.03333333	0.03333333	mg/L	1075.11616875	-	-	4.87689046	0.45	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428	0.0333333
Cd 214.439	Cd	n	0.00166667	0.00166667	mg/L	398.47848825	-	-	6.46413960	1.62	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662	0.0016666
Co 230.786	Co	n	0.00166667	0.00166667	mg/L	116.93148895	-	-	5.75906800	4.93	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621	0.0016666
Cr 267.716	Cr	n	0.00333333	0.00333333	mg/L	142.54021220	-	-	8.33056599	5.84	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866	0.0033333
Cu 324.754	Cu	n	0.00333333	0.00333333	mg/L	1203.79229506	-	-	8.41468892	0.70	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823	0.0033333
Fe 259.940	Fe	n	0.00666667	0.00666667	mg/L	291.21390462	-	-	5.30535056	1.82	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411111059	0.0066666
K 766.491	K-R	n	0.06666667	0.06666667	mg/L	21.96687455	-	-	16.78913184	76.43	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523	0.0666666
Li 670.783	Li-R	n	0.00333333	0.00333333	mg/L	101.49372447	-	-	32.32654243	31.85	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338	0.0033333
Mg 279.800	Mg-R	n	0.03333333	0.03333333	mg/L	13.96758621	-	-	1.92343572	13.77	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508	0.0333333
Mn 257.610	Mn	n	0.00333333	0.00333333	mg/L	1467.55172550	-	-	12.27487286	0.84	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217	0.0033333
Mo 204.598	Mo	n	0.00333333	0.00333333	mg/L	61.76076308	-	-	7.46000993	12.08	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288	0.0033333
Na 589.592	Na-R	n	0.06666667	0.06666667	mg/L	311.53985430	-	-	82.03175283	26.33	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657	0.0666666
Ni 231.604	Ni	n	0.00333333	0.00333333	mg/L	64.81001797	-	-	2.24455312	3.46	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769	0.0033333
P 177.434	P	n			mg/L	1.67950672	-	-	0.98499393	58.65		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525	
Pb 220.353	Pb	n	0.00333333	0.00333333	mg/L	66.50913377	-	-	11.00941928	16.55	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277	0.0033333
S 181.972	S	n			mg/L	152.47350201	-	-	5.93444192	3.89		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611	
Sb 206.834	Sb	n	0.01000010	0.01000010	mg/L	26.09541727	-	-	11.79287596	45.19	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768	0.0100001
Se 196.026	Se	n	0.01000001	0.01000001	mg/L	64.54327222	-	-	0.94075751	1.46	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228	0.0100000
Si 251.611	Si	n			mg/L	52.83644587	-	-	14.09229456	26.67		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199	
Sn 189.925	Sn	n	0.00333333	0.00333333	mg/L	66.13605362	-	-	3.09199066	4.68	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371	0.0033333
Sr 421.552	Sr-R	n	0.01666667	0.01666667	mg/L	3685.59124523	-	-	10.15972762	0.28	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768	0.0166666
Ti 334.941	Ti	n	0.00333333	0.00333333	mg/L	888.39540804	-	-	24.93183686	2.81	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933	0.0033333
Tl 190.794	Tl	n	0.01000010	0.01000010	mg/L	60.55744708	-	-	5.81230352	9.60	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513	0.0100001
V 292.401	V	n	0.00166667	0.00166667	mg/L	39.72324384	-	-	1.28251373	3.23	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827	0.0016666
Zn 206.200	Zn	n	0.01000010	0.01000010	mg/L	399.45396164	-	-	0.83329047	0.21	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125	0.0100001
Y 371.029	Y	1.00	1.00	Ratio		168166.81	0.01	0.66	1117.41	0.66		-	-	-	Fitted	-	-	1.00
Y 371.029	Y-R	1.00	1.00	Ratio		29552.37	0.00	0.24	71.48	0.24		-	-	-	Fitted	-	-	1.00

Label: ICAL,L2,S20848

Rack:Tube: S1:3

Type: STD

Date Time: 5/31/2024 3:40:30 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	28.551110186	-	-	6.20411485	21.73		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102	
Al 396.152	Al	n	0.02000000	0.02000000	mg/L	918.61452752	-	-	42.40394304	4.62	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361	0.020000
As 188.980	As	n	0.01000000	0.01000000	mg/L	56.97767505	-	-	4.26368871	7.48	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774	0.010000
B 249.678	B	n	0.01000000	0.01000000	mg/L	455.20359467	-	-	3.91508970	0.86	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682	0.010000
Ba 230.424	Ba	n	0.01000000	0.01000000	mg/L	1607.36100529	-	-	10.86761408	0.68	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515	0.010000
Be 313.107	Be	n	0.00300000	0.00300000	mg/L	3996.56704497	-	-	16.56119916	0.41	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984	0.003000
Ca 317.933	Ca-R	n	0.10000000	0.10000000	mg/L	1523.53114183	-	-	4.50680604	0.30	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428	0.100000
Cd 214.439	Cd	n	0.00500000	0.00500000	mg/L	1136.33068710	-	-	1.79135230	0.16	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662	0.005000
Co 230.786	Co	n	0.00500000	0.00500000	mg/L	297.85805729	-	-	4.03519032	1.35	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621	0.005000
Cr 267.716	Cr	n	0.01000000	0.01000000	mg/L	512.50833811	-	-	1.85709353	0.36	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866	0.010000
Cu 324.754	Cu	n	0.01000000	0.01000000	mg/L	1499.96955896	-	-	11.41490508	0.76	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823	0.010000
Fe 259.940	Fe	n	0.02000000	0.02000000	mg/L	825.32853942	-	-	1.36853717	0.17	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441111059	0.020000
K 766.491	K-R	n	0.20000000	0.20000000	mg/L	101.96873070	-	-	41.50684346	40.71	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523	0.200000
Li 670.783	Li-R	n	0.01000000	0.01000000	mg/L	425.15244951	-	-	79.34561177	18.66	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338	0.010000
Mg 279.800	Mg-R	n	0.10000000	0.10000000	mg/L	40.26176955	-	-	3.91910250	9.73	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508	0.100000
Mn 257.610	Mn	n	0.01000000	0.01000000	mg/L	4244.82203946	-	-	19.40325987	0.46	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217	0.010000
Mo 204.598	Mo	n	0.01000000	0.01000000	mg/L	172.86789256	-	-	5.57620821	3.23	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288	0.010000
Na 589.592	Na-R	n	0.20000000	0.20000000	mg/L	990.89014981	-	-	17.79604054	1.80	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657	0.200000
Ni 231.604	Ni	n	0.01000000	0.01000000	mg/L	204.12943906	-	-	6.47975271	3.17	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769	0.010000
P 177.434	P	n			mg/L	1.24707910	-	-	0.86518172	69.38		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525	
Pb 220.353	Pb	n	0.01000000	0.01000000	mg/L	135.96674806	-	-	0.52359969	0.39	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277	0.010000
S 181.972	S	n			mg/L	156.84089722	-	-	0.98709687	0.63		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611	
Sb 206.834	Sb	n	0.03000030	0.03000030	mg/L	106.05064750	-	-	9.29453685	8.76	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768	0.030000
Se 196.026	Se	n	0.03000003	0.03000003	mg/L	155.65034184	-	-	1.19762906	0.77	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228	0.030000
Si 251.611	Si	n			mg/L	53.24555133	-	-	10.32978213	19.40		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199	
Sn 189.925	Sn	n	0.01000000	0.01000000	mg/L	145.62183255	-	-	2.84861542	1.96	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371	0.010000
Sr 421.552	Sr-R	n	0.05000000	0.05000000	mg/L	10930.95809426	-	-	19.87440958	0.18	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768	0.050000
Ti 334.941	Ti	n	0.01000000	0.01000000	mg/L	2537.52622299	-	-	53.55000617	2.11	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933	0.010000
Tl 190.794	Tl	n	0.03000030	0.03000030	mg/L	169.88427099	-	-	6.18093275	3.64	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513	0.030000
V 292.401	V	n	0.00500000	0.00500000	mg/L	142.29292142	-	-	10.61491466	7.46	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827	0.005000
Zn 206.200	Zn	n	0.03000030	0.03000030	mg/L	1153.51428835	-	-	4.54647484	0.39	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125	0.030000
Y 371.029	Y		1.00	1.00	Ratio	167743.54	0.01	0.72	1208.40	0.72		-	-	-	Fitted	-	-	0.99
Y 371.029	Y-R		0.99	0.99	Ratio	29472.51	0.00	0.10	30.16	0.10		-	-	-	Fitted	-	-	0.99

Label: ICAL.L3,S20847

Rack:Tube: S1:4

Type: STD

Date Time: 5/31/2024 3:43:38 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]	Concns Replicate
Ag 328.068	Ag	n			mg/L	25.71588057	-	-	0.38491184	1.50		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102	
Al 396.152	Al	n	0.20000000	0.20000000	mg/L	8302.74857453	-	-	35.29747471	0.43	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361	0.2000
As 188.980	As	n	0.10000000	0.10000000	mg/L	563.10725197	-	-	10.40736533	1.85	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774	0.1000
B 249.678	B	n	0.10000000	0.10000000	mg/L	3992.00432108	-	-	10.70606258	0.27	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682	0.1000
Ba 230.424	Ba	n	0.10000000	0.10000000	mg/L	15676.73021043	-	-	34.86775906	0.22	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515	0.1000
Be 313.107	Be	n	0.03000000	0.03000000	mg/L	41703.07651555	-	-	166.51844375	0.40	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984	0.0300
Ca 317.933	Ca-R	n	1.00000000	1.00000000	mg/L	7889.42188002	-	-	14.50635558	0.18	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428	1.0000
Cd 214.439	Cd	n	0.05000000	0.05000000	mg/L	11509.41273948	-	-	28.91781283	0.25	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662	0.0500
Co 230.786	Co	n	0.05000000	0.05000000	mg/L	2828.27777140	-	-	4.37664821	0.15	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621	0.0500
Cr 267.716	Cr	n	0.10000000	0.10000000	mg/L	5511.97199210	-	-	18.42303154	0.33	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866	0.1000
Cu 324.754	Cu	n	0.10000000	0.10000000	mg/L	5743.64500858	-	-	9.23124098	0.16	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823	0.1000
Fe 259.940	Fe	n	0.20000000	0.20000000	mg/L	8241.57821451	-	-	19.65935964	0.24	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441111059	0.2000
K 766.491	K-R	n	2.00000000	2.00000000	mg/L	831.64477622	-	-	47.93876689	5.76	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523	2.0000
Li 670.783	Li-R	n	0.10000000	0.10000000	mg/L	4309.91884622	-	-	20.86734662	0.48	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338	0.1000
Mg 279.800	Mg-R	n	1.00000000	1.00000000	mg/L	473.52030014	-	-	2.85100587	0.60	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508	1.0000
Mn 257.610	Mn	n	0.10000000	0.10000000	mg/L	42292.15160498	-	-	99.26865302	0.23	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217	0.1000
Mo 204.598	Mo	n	0.10000000	0.10000000	mg/L	1701.38951816	-	-	1.62471418	0.10	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288	0.1000
Na 589.592	Na-R	n	2.00000000	2.00000000	mg/L	10294.19746657	-	-	55.87994065	0.54	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657	2.0000
Ni 231.604	Ni	n	0.10000000	0.10000000	mg/L	2240.57390854	-	-	5.30959222	0.24	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769	0.1000
P 177.434	P	n			mg/L	1.41200564	-	-	1.22166009	86.52		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525	
Pb 220.353	Pb	n	0.10000000	0.10000000	mg/L	1245.11254214	-	-	9.52248768	0.76	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277	0.1000
S 181.972	S	n			mg/L	161.48715679	-	-	0.63149768	0.39		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611	
Sb 206.834	Sb	n	0.30000300	0.30000300	mg/L	1301.66856093	-	-	3.78688642	0.29	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768	0.3000
Se 196.026	Se	n	0.30000030	0.30000030	mg/L	1270.22867813	-	-	8.98508344	0.71	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228	0.3000
Si 251.611	Si	n			mg/L	52.16831978	-	-	2.23389168	4.28		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199	
Sn 189.925	Sn	n	0.10000000	0.10000000	mg/L	1294.17527704	-	-	2.95063797	0.23	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371	0.1000
Sr 421.552	Sr-R	n	0.50000000	0.50000000	mg/L	109969.06413258	-	-	139.53258547	0.13	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768	0.5000
Ti 334.941	Ti	n	0.10000000	0.10000000	mg/L	24829.04202853	-	-	158.13519303	0.64	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933	0.1000
Tl 190.794	Tl	n	0.30000300	0.30000300	mg/L	1739.75297611	-	-	5.91852457	0.34	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513	0.3000
V 292.401	V	n	0.05000000	0.05000000	mg/L	1680.64701977	-	-	4.51418195	0.27	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827	0.0500
Zn 206.200	Zn	n	0.30000300	0.30000300	mg/L	11667.88209647	-	-	29.76951049	0.26	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125	0.3000
Y 371.029	Y		1.00	1.00	Ratio	167750.43	0.01	0.73	1218.87	0.73		-	-	-	Fitted	-	-	0.99
Y 371.029	Y-R		0.99	0.99	Ratio	29490.44	0.00	0.33	98.44	0.33		-	-	-	Fitted	-	-	1.00

Label: ICAL.L4,S20846

Rack/Tube: S1:5

Type: STD

Date Time: 5/31/2024 3:46:45 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]	Q _r
Ag 328.068	Ag	n			mg/L	22.55302268	-	-	6.83238556	30.29		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102	
Al 396.152	Al	n	2.00000000	2.00000000	mg/L	86971.75097253	-	-	379.99698557	0.44	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361	2
As 188.980	As	n	1.00000000	1.00000000	mg/L	5767.86796703	-	-	4.05548432	0.07	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774	1
B 249.678	B	n	1.00000000	1.00000000	mg/L	40538.18425219	-	-	152.85542283	0.38	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682	1
Ba 230.424	Ba	n	1.00000000	1.00000000	mg/L	155766.31546187	-	-	106.52238052	0.07	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515	1
Be 313.107	Be	n	0.30000000	0.30000000	mg/L	424860.99988887	-	-	6221.25866675	1.46	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984	0
Ca 317.933	Ca-R	n	10.00000000	10.00000000	mg/L	71700.60871123	-	-	158.64434479	0.22	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428	1
Cd 214.439	Cd	n	0.50000000	0.50000000	mg/L	114719.01528084	-	-	132.74905117	0.12	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662	0
Co 230.786	Co	n	0.50000000	0.50000000	mg/L	28544.88440149	-	-	72.24533733	0.25	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621	0
Cr 267.716	Cr	n	1.00000000	1.00000000	mg/L	55678.05863870	-	-	245.33330831	0.44	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866	1
Cu 324.754	Cu	n	1.00000000	1.00000000	mg/L	49148.22239765	-	-	144.79781965	0.29	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823	1
Fe 259.940	Fe	n	2.00000000	2.00000000	mg/L	81887.89315475	-	-	277.32389399	0.34	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411111059	2
K 766.491	K-R	n	20.00000000	20.00000000	mg/L	11353.67944386	-	-	25.74388329	0.23	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523	2
Li 670.783	Li-R	n	1.00000000	1.00000000	mg/L	43728.77840608	-	-	58.82766277	0.13	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338	1
Mg 279.800	Mg-R	n	10.00000000	10.00000000	mg/L	4805.63895319	-	-	24.52260198	0.51	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508	1
Mn 257.610	Mn	n	1.00000000	1.00000000	mg/L	417697.09628142	-	-	1273.09539249	0.30	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217	1
Mo 204.598	Mo	n	1.00000000	1.00000000	mg/L	17533.26897535	-	-	79.48554320	0.45	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288	1
Na 589.592	Na-R	n	20.00000000	20.00000000	mg/L	104491.12078268	-	-	216.18449513	0.21	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657	2
Ni 231.604	Ni	n	1.00000000	1.00000000	mg/L	22546.02357324	-	-	50.56945984	0.22	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769	1
P 177.434	P	n			mg/L	2.05233340	-	-	0.70498362	34.35		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525	
Pb 220.353	Pb	n	1.00000000	1.00000000	mg/L	12175.55097177	-	-	12.15298833	0.10	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277	1
S 181.972	S	n			mg/L	167.60271684	-	-	1.09066452	0.65		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611	
Sb 206.834	Sb	n	3.00003000	3.00003000	mg/L	13329.15879249	-	-	31.48601800	0.24	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768	3
Se 196.026	Se	n	3.00000300	3.00000300	mg/L	12893.47219309	-	-	50.49596348	0.39	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228	3
Si 251.611	Si	n			mg/L	126.44672404	-	-	11.94648396	9.45		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199	
Sn 189.925	Sn	n	1.00000000	1.00000000	mg/L	12707.16685458	-	-	19.75697853	0.16	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371	1
Sr 421.552	Sr-R	n	5.00000000	5.00000000	mg/L	1109098.82986714	-	-	3559.36335397	0.32	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768	5
Ti 334.941	Ti	n	1.00000000	1.00000000	mg/L	251809.15764920	-	-	1737.37107683	0.69	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933	1
Tl 190.794	Tl	n	3.00003000	3.00003000	mg/L	17279.76922350	-	-	27.89215964	0.16	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513	3
V 292.401	V	n	0.50000000	0.50000000	mg/L	17438.09781347	-	-	69.82204484	0.40	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827	0
Zn 206.200	Zn	n	3.00003000	3.00003000	mg/L	116235.76706849	-	-	47.55859229	0.04	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125	3
Y 371.029	Y	0.98	0.98	Ratio		164816.48	0.01	0.64	1049.74	0.64		-	-	-	Fitted	-	-	0
Y 371.029	Y-R	0.98	0.98	Ratio		29034.12	0.00	0.27	78.18	0.27		-	-	-	Fitted	-	-	0

Label: ICAL.L5.S20845

Rack/Tube: S1:6

Type: STD

Date Time: 5/31/2024 3:49:53 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	61.65852838	-	-	10.12363146	16.42		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	10.00000000	10.00000000	mg/L	460279.87175041	-	-	1928.36428428	0.42	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	5.00000000	5.00000000	mg/L	29260.25403754	-	-	241.73854397	0.83	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	n	5.00000000	5.00000000	mg/L	208238.89498905	-	-	2217.50712163	1.06	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	n	5.00000000	5.00000000	mg/L	762273.54765029	-	-	3910.74042591	0.51	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	1.50000000	1.50000000	mg/L	2129054.16648578	-	-	9436.80573860	0.44	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	50.00000000	50.00000000	mg/L	353239.33302630	-	-	186.15757820	0.05	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	2.50000000	2.50000000	mg/L	549782.72858314	-	-	1367.07399769	0.25	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	n	2.50000000	2.50000000	mg/L	139613.77546128	-	-	979.23888917	0.70	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	5.00000000	5.00000000	mg/L	276280.85481940	-	-	1590.35700425	0.58	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	55283.4013965866	
Cu 324.754	Cu	n	5.00000000	5.00000000	mg/L	250346.03813726	-	-	1877.78482115	0.75	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	10.00000000	10.00000000	mg/L	404096.78389026	-	-	3295.56979917	0.82	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441111059
K 766.491	K-R	n	100.00000000	100.00000000	mg/L	60636.66153423	-	-	119.28288560	0.20	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	n	5.00000000	5.00000000	mg/L	222916.85878181	-	-	263.92884533	0.12	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	n	50.00000000	50.00000000	mg/L	23908.00142696	-	-	25.89187339	0.11	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	n	5.00000000	5.00000000	mg/L	2020460.16198707	-	-	9711.29396747	0.48	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	n	5.00000000	5.00000000	mg/L	88111.60710860	-	-	594.31314711	0.67	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	n	100.00000000	100.00000000	mg/L	521458.56425730	-	-	274.64435055	0.05	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	n	5.00000000	5.00000000	mg/L	109678.22113929	-	-	835.45244717	0.76	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	n			mg/L	-1.99879523	-	-	1.14739856	57.40		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	5.00000000	5.00000000	mg/L	59043.53927812	-	-	481.85039963	0.82	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	n			mg/L	224.72331994	-	-	2.72042629	1.21		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	15.00015000	15.00015000	mg/L	66700.25539058	-	-	519.39884964	0.78	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	n	15.00000000	15.00000000	mg/L	63339.92123143	-	-	465.78209607	0.74	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	n			mg/L	532.62200320	-	-	36.75037588	6.90		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	n	5.00000000	5.00000000	mg/L	62005.62794933	-	-	535.91538037	0.86	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	25.00000000	25.00000000	mg/L	5427366.92979394	-	-	14384.01889430	0.27	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	5.00000000	5.00000000	mg/L	1253462.92861291	-	-	6338.14630716	0.51	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	n	15.00015000	15.00015000	mg/L	83428.07680612	-	-	739.77334445	0.89	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	n	2.50000000	2.50000000	mg/L	87456.84492492	-	-	471.67873028	0.54	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	15.00015000	15.00015000	mg/L	547162.80395134	-	-	2527.40218196	0.46	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y		0.94	0.94	Ratio	158312.46	0.02	1.85	2921.74	1.85		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.95	0.95	Ratio	28198.64	0.00	0.15	41.09	0.15		-	-	-	Fitted	-	-

Label: ICAL.L6.S20614

Rack:Tube: S1:7

Type: STD

Date Time: 5/31/2024 3:53:01 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			mg/L	119.13754542	-	-	9.35840806	7.86		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	20.00000000	20.00000000	mg/L	949733.23418754	-	-	5202.79171277	0.55	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	10.00000000	10.00000000	mg/L	58528.36898821	-	-	132.30941159	0.23	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	n	10.00000000	10.00000000	mg/L	417157.95822138	-	-	966.59071301	0.23	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	n	10.00000000	10.00000000	mg/L	1517678.70011331	-	-	6358.65083556	0.42	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	3.00000000	3.00000000	mg/L	4188135.87197790	-	-	13382.42769162	0.32	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	100.00000000	100.00000000	mg/L	705688.27069041	-	-	2049.56450591	0.29	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533426
Cd 214.439	Cd	n	5.00000000	5.00000000	mg/L	1072088.28258859	-	-	9431.85482862	0.88	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	n	5.00000000	5.00000000	mg/L	276894.58020315	-	-	566.63722885	0.20	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	10.00000000	10.00000000	mg/L	547770.79611991	-	-	1916.16448806	0.35	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	n	10.00000000	10.00000000	mg/L	512091.50911274	-	-	2931.90476000	0.57	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	20.00000000	20.00000000	mg/L	794414.98771435	-	-	2841.23940051	0.36	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411111059
K 766.491	K-R	n	200.00000000	200.00000000	mg/L	126534.30967283	-	-	140.45654249	0.11	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	n	10.00000000	10.00000000	mg/L	464037.42878562	-	-	607.49824160	0.13	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254336
Mg 279.800	Mg-R	n	100.00000000	100.00000000	mg/L	48685.96761414	-	-	152.30557801	0.31	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780506
Mn 257.610	Mn	n	10.00000000	10.00000000	mg/L	3987100.39771654	-	-	11137.13994428	0.28	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	n	10.00000000	10.00000000	mg/L	177037.02157813	-	-	587.10976591	0.33	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581286
Na 589.592	Na-R	n			mg/L	1072148.06514298	-	-	648.22755181	0.06	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	n	10.00000000	10.00000000	mg/L	216231.92756706	-	-	294.82653065	0.14	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	n			mg/L	-4.83246474	-	-	0.80496778	16.66		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	10.00000000	10.00000000	mg/L	116206.16397050	-	-	189.74253398	0.16	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	n			mg/L	289.99964984	-	-	2.15796433	0.74		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	30.00030000	30.00030000	mg/L	133875.95477783	-	-	361.23336375	0.27	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	n	30.00000000	30.00000000	mg/L	124842.86200432	-	-	252.47819161	0.20	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755226
Si 251.611	Si	n			mg/L	927.01009611	-	-	51.82312028	5.59		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206195
Sn 189.925	Sn	n	10.00000000	10.00000000	mg/L	122409.63326179	-	-	340.15557710	0.28	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	50.00000000	50.00000000	mg/L	10942285.92004970	-	-	41480.19329357	0.38	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	10.00000000	10.00000000	mg/L	2517597.13617123	-	-	38548.32101741	1.53	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	n	30.00030000	30.00030000	mg/L	163049.69296769	-	-	238.50438877	0.15	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	n	5.00000000	5.00000000	mg/L	176442.48028194	-	-	960.81465291	0.54	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	30.00030000	30.00030000	mg/L	1046973.19096373	-	-	4114.97492690	0.39	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y		0.94	0.94	Ratio	158304.26	0.01	0.66	1042.19	0.66		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	27925.16	0.00	0.16	45.27	0.16		-	-	-	Fitted	-	-

Label: ICAL,L7,S20458

Rack:Tube: S1:8

Type: STD

Date Time: 5/31/2024 3:56:08 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]	Conc Reps
Ag 328.068	Ag	n	2.00000000	2.00000000	mg/L	101106.38366667	-	-	312.59563225	0.31		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102	2.00
Al 396.152	Al	n			mg/L	207.72967861	-	-	33.80722902	16.27	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361	
As 188.980	As	n			mg/L	26.78186260	-	-	0.99928741	33.98	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774	
B 249.678	B	n			mg/L	262.25907434	-	-	35.75631887	13.63	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682	
Ba 230.424	Ba	n			mg/L	110.51005451	-	-	12.10567661	10.95	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515	
Be 313.107	Be	n			mg/L	96.24649337	-	-	32.80030450	34.08	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984	
Ca 317.933	Ca-R	n			mg/L	879.08500086	-	-	12.61829071	1.44	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428	
Cd 214.439	Cd	n			mg/L	57.78084953	-	-	10.32179887	17.86	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662	
Co 230.786	Co	n			mg/L	52.32902214	-	-	8.29267467	15.85	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621	
Cr 267.716	Cr	n			mg/L	-18.75141873	-	-	4.85085796	25.87	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866	
Cu 324.754	Cu	n			mg/L	1088.94220748	-	-	5.99460217	0.55	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823	
Fe 259.940	Fe	n			mg/L	184.04084022	-	-	19.67491702	10.69	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411111059	
K 766.491	K-R	n			mg/L	53.89627596	-	-	21.66184621	40.19	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523	
Li 670.783	Li-R	n			mg/L	42.93796031	-	-	19.48462024	45.38	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338	
Mg 279.800	Mg-R	n			mg/L	0.65503705	-	-	2.57915327	> 100.00	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508	
Mn 257.610	Mn	n			mg/L	267.01861211	-	-	42.73403893	16.00	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217	
Mo 204.598	Mo	n			mg/L	165.78388151	-	-	61.44988719	37.07	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288	
Na 589.592	Na-R	n			mg/L	84.48043846	-	-	38.26249462	45.29	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657	
Ni 231.604	Ni	n			mg/L	2.20528464	-	-	5.45263984	> 100.00	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769	
P 177.434	P	n			mg/L	1.27896925	-	-	1.07159483	83.79		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525	
Pb 220.353	Pb	n			mg/L	30.20022879	-	-	4.58466433	15.18	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277	
S 181.972	S	n			mg/L	154.93268642	-	-	1.57961946	1.02		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611	
Sb 206.834	Sb	n			mg/L	22.48308022	-	-	14.40203406	64.06	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768	
Se 196.026	Se	n			mg/L	53.72678556	-	-	4.81206100	8.96	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228	
Si 251.611	Si	n			mg/L	36.62668375	-	-	1.48597526	4.06		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199	
Sn 189.925	Sn	n			mg/L	28.42364834	-	-	4.15177171	14.61	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371	
Sr 421.552	Sr-R	n			mg/L	210.52064172	-	-	26.18238517	12.44	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768	
Ti 334.941	Ti	n			mg/L	692.65853877	-	-	200.35390510	28.93	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933	
Tl 190.794	Tl	n			mg/L	10.68340911	-	-	3.69349521	34.57	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513	
V 292.401	V	n			mg/L	-11.94722796	-	-	2.55263343	21.37	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827	
Zn 206.200	Zn	n			mg/L	94.95626703	-	-	12.56663168	13.23	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125	
Y 371.029	Y		1.01	1.01	Ratio	168960.34	0.01	0.73	1235.95	0.73		-	-	-	Fitted	-	-	1.00
Y 371.029	Y-R		0.99	0.99	Ratio	29514.61	0.00	0.05	13.89	0.05		-	-	-	Fitted	-	-	1.00

Label: ICAL,L8,S20759

Rack/Tube: S1:9

Type: STD

Date Time: 5/31/2024 3:59:16 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]	Co R _s
Ag 328.068	Ag	n			mg/L	30.23361064	-	-	4.96316146	16.42		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102	
Al 396.152	Al	n			mg/L	209.59138646	-	-	13.00283718	6.20	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361	
As 188.980	As	n			mg/L	13.85036678	-	-	4.88660248	35.28	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774	
B 249.678	B	n			mg/L	244.13228940	-	-	12.03903697	4.93	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682	
Ba 230.424	Ba	n			mg/L	48.21282404	-	-	6.12615703	12.71	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515	
Be 313.107	Be	n			mg/L	9.99447885	-	-	11.25581061	> 100.00	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984	
Ca 317.933	Ca-R	n			mg/L	872.32969809	-	-	7.21634214	0.83	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428	
Cd 214.439	Cd	n			mg/L	27.50302786	-	-	8.44240444	30.70	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662	
Co 230.786	Co	n			mg/L	41.73848707	-	-	3.64013476	8.72	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621	
Cr 267.716	Cr	n			mg/L	-24.56023008	-	-	4.54113733	18.49	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866	
Cu 324.754	Cu	n			mg/L	1044.64071868	-	-	14.16680916	1.36	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823	
Fe 259.940	Fe	n			mg/L	166.36953826	-	-	6.45672874	3.88	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441111059	
K 766.491	K-R	n			mg/L	-2.34162808	-	-	20.24828366	> 100.00	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523	
Li 670.783	Li-R	n			mg/L	3.22168600	-	-	46.76898651	> 100.00	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338	
Mg 279.800	Mg-R	n			mg/L	4.05057593	-	-	3.43825284	84.88	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508	
Mn 257.610	Mn	n			mg/L	183.21935316	-	-	15.50437340	8.46	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217	
Mo 204.598	Mo	n			mg/L	48.70252999	-	-	21.41005843	43.96	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288	
Na 589.592	Na-R	n			mg/L	89.71543984	-	-	6.53479914	7.28	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657	
Ni 231.604	Ni	n			mg/L	-3.17284001	-	-	4.27484320	> 100.00	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769	
P 177.434	P	n	10.00000000	10.00000000	mg/L	1360.80626908	-	-	8.38868191	0.62		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525	100
Pb 220.353	Pb	n			mg/L	27.88264815	-	-	4.58554188	16.45	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277	
S 181.972	S	n	10.00000000	10.00000000	mg/L	14657.68043370	-	-	25.13465801	0.17		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611	100
Sb 206.834	Sb	n			mg/L	-2.19425744	-	-	0.69931756	31.87	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768	
Se 196.026	Se	n			mg/L	29.90835211	-	-	3.41584635	11.42	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228	
Si 251.611	Si	n	10.00000000	10.00000000	mg/L	41224.69410927	-	-	229.90875471	0.56		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199	100
Sn 189.925	Sn	n			mg/L	27.19466331	-	-	3.03844635	11.17	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371	
Sr 421.552	Sr-R	n			mg/L	70.59263612	-	-	11.72368021	16.61	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768	
Ti 334.941	Ti	n			mg/L	859.99243119	-	-	208.52872153	24.25	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933	
Tl 190.794	Tl	n			mg/L	2.43186638	-	-	1.60260637	65.90	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513	
V 292.401	V	n			mg/L	-18.43813410	-	-	7.35531122	39.89	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827	
Zn 206.200	Zn	n			mg/L	55.63678467	-	-	2.78084645	5.00	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125	
Y 371.029	Y		1.02	1.02	Ratio	171505.87	0.00	0.45	775.49	0.45		-	-	-	Fitted	-	-	100
Y 371.029	Y-R		1.01	1.01	Ratio	29821.11	0.00	0.11	32.28	0.11		-	-	-	Fitted	-	-	100

Label: ICV,S20784	Rack/Tube: S1:12	Type: QC
Date Time: 5/31/2024 4:02:23 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]
Ag 328.068	Ag	n	0.49714104	0.49714104	mg/L	25156.61577391	0.00085030	0.17103815	42.97374596	0.17		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	1.08224680	1.08224680	mg/L	48082.01556017	0.00507228	0.46868056	223.37234815	0.46	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	1.03538836	1.03538836	mg/L	5979.74384978	0.00133620	0.12905310	7.71433071	0.13	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	n	1.05710533	1.05710533	mg/L	42980.17963883	0.00285325	0.26991173	115.83169384	0.27	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	n	1.02591275	1.02591275	mg/L	159698.45928316	0.00621818	0.60611230	967.56661675	0.61	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	1.03364615	1.03364615	mg/L	1432569.93554806	0.00482586	0.46687722	6688.63221324	0.47	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	51.86106268	51.86106268	mg/L	366433.83617377	0.10942273	0.21099208	771.39353585	0.21	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	1.01313763	1.01313763	mg/L	230293.19251349	0.00351249	0.34669469	798.38470491	0.35	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	n	1.03653831	1.03653831	mg/L	58102.17738231	0.00488979	0.47174252	273.96467888	0.47	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	0.99207395	0.99207395	mg/L	54808.92025486	0.00376116	0.37912130	207.92991930	0.38	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	n	1.04007997	1.04007997	mg/L	50759.00239800	0.00313853	0.30175885	150.05096804	0.30	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	1.04217888	1.04217888	mg/L	42485.30463074	0.00310401	0.29783832	126.27552107	0.30	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411111059
K 766.491	K-R	n	59.46778936	59.46778936	mg/L	36546.43912892	0.05549509	0.09331958	34.29655182	0.09	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	n	1.01639178	1.01639178	mg/L	45495.89216959	0.00356381	0.35063325	160.14422655	0.35	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	n	52.16266241	52.16266241	mg/L	24985.90929628	0.15418741	0.29558962	73.85847945	0.30	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	n	1.01643826	1.01643826	mg/L	419254.16258045	0.00307814	0.30283605	1269.23511226	0.30	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	n	1.02190936	1.02190936	mg/L	17641.69795337	0.00442439	0.43295284	76.47433377	0.43	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	nQ	31.31968589	31.31968589	mg/L	163293.33195947	0.08431615	0.26921137	439.72247333	0.27	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	n	1.02084134	1.02084134	mg/L	22420.98679521	0.00187713	0.18388062	41.22147710	0.18	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	n	5.30238926	5.30238926	mg/L	722.33941868	0.01983833	0.37413946	2.69695151	0.37		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	1.02319578	1.02319578	mg/L	12292.51234483	0.00216972	0.21205328	26.03945122	0.21	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	n	5.43059267	5.43059267	mg/L	8035.59005460	0.00363731	0.06697805	5.27527403	0.07		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	1.00309330	1.00309330	mg/L	4435.80318032	0.01125651	1.12217995	50.12541912	1.13	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	n	1.03529178	1.03529178	mg/L	4363.19766053	0.00525575	0.50765901	22.01843891	0.50	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	nQ	5.65585333	5.65585333	mg/L	23342.43133665	0.08923736	1.57778771	367.31891351	1.57		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	n	4.98681948	4.98681948	mg/L	62830.43210858	0.02677424	0.53690009	337.19786924	0.54	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	1.04437745	1.04437745	mg/L	229100.58229803	0.00336261	0.32197240	737.15742726	0.32	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	1.03508778	1.03508778	mg/L	258683.99279122	0.00784139	0.75755765	1959.04136807	0.76	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	n	1.03570916	1.03570916	mg/L	5794.42684602	0.00103520	0.09995130	5.78502674	0.10	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	n	1.03763052	1.03763052	mg/L	35763.54493572	0.00478059	0.46072226	164.83559560	0.46	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	1.00366629	1.00366629	mg/L	38833.61948990	0.00482466	0.48070318	186.56723637	0.48	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y		0.97	0.97	Ratio	162652.01	0.00	0.51	827.00	0.51		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	28593.36	0.00	0.15	42.70	0.15		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814011	File: icp data	Time: 31-MAY-2024 16:05
Cal: 794219814001	Caldate: 31-MAY-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	168469	0.46
Yttrium	R	29666	29400	-0.89

Label:	ICB	Rack/Tube:	S1:1	Type:	QC
Date Time:	5/31/2024 4:05:31 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:	-	Customer:	-	Customer Ref.:	-
Sample Date Time:	-	Sample Site:	-	Description:	-
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00000767	-0.00000767	mg/L	27.07516881	0.00003867	504.42223192	1.95442718	7.22		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	0.00291378	0.00291378	mg/L	176.32127953	0.00060788	20.86227540	26.76973479	15.18	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	0.00238223	0.00238223	mg/L	16.02328319	0.00104477	43.85698401	6.03182659	37.64	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	nu	0.00181340	0.00181340	mg/L	134.37663893	0.00019443	10.72167206	7.89303807	5.87	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	nu	-0.00007673	-0.00007673	mg/L	42.04417856	0.00008918	116.22052151	13.87663847	33.00	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	0.00006449	0.00006449	mg/L	28.98837225	0.00001323	20.51620568	18.33775593	63.26	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	0.00930579	0.00930579	mg/L	898.97731393	0.00184183	19.79227438	12.98426598	1.44	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	0.00012144	0.00012144	mg/L	34.23873930	0.00002237	18.42298135	5.08536605	14.85	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	n	0.00040222	0.00040222	mg/L	47.17876137	0.00012307	30.59705707	6.89520033	14.62	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	nu	0.00006783	0.00006783	mg/L	-36.46987465	0.00012824	189.06238367	7.08930102	19.44	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	n	0.00090136	0.00090136	mg/L	1064.74950077	0.00021725	24.10231309	10.38646927	0.98	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	0.00069828	0.00069828	mg/L	41.28812840	0.00021288	30.48670556	8.66041417	20.98	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441111059
K 766.491	K-R	n	0.39716108	0.39716108	mg/L	56.21001244	0.08364882	21.06168683	51.69585295	91.97	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	68.010522610523
Li 670.783	Li-R	nZ	0.00365005	0.00365005	mg/L	-29.34181553	0.00034397	9.42373890	15.45679371	52.68	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	n	0.00972374	0.00972374	mg/L	3.35796262	0.00529351	54.43901125	2.53568412	75.51	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	nu	0.00000556	0.00000556	mg/L	105.64366458	0.00003736	672.14066255	15.40633082	14.58	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	nZ	0.00388995	0.00388995	mg/L	45.37371355	0.00128595	33.05828875	22.22734857	48.99	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	n	0.02573898	0.02573898	mg/L	95.82073344	0.00760813	29.55878716	39.67763729	41.41	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	nu	-0.00030121	-0.00030121	mg/L	-8.63573623	0.00022161	73.57311862	4.86652605	56.35	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	nu	0.00059363	0.00059363	mg/L	1.42202402	0.00847519	1427.69059081	1.15217276	81.02		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	0.00053538	0.00053538	mg/L	22.85324596	0.00056303	105.16439605	6.75711429	29.57	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	nu	-0.00199265	-0.00199265	mg/L	151.54184956	0.00214388	107.58943369	3.10932205	2.05		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	0.00655758	0.00655758	mg/L	-1.55770090	0.00135042	20.59328939	6.01344796	> 100.00	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	n	0.00121717	0.00121717	mg/L	30.46215537	0.00091781	75.40534405	3.84506631	12.62	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	nu	-0.00265562	-0.00265562	mg/L	51.75218708	0.00023820	8.96967279	0.98047910	1.89		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	nu	0.00027708	0.00027708	mg/L	28.88734262	0.00061425	221.68820537	7.73593296	26.78	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	0.00011876	0.00011876	mg/L	53.64206108	0.00006387	53.78119502	14.00157206	26.10	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	0.00043831	0.00043831	mg/L	194.89118660	0.00021038	47.99741143	52.55962942	26.97	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	nu	-0.00073564	-0.00073564	mg/L	2.46530033	0.00047025	63.92314117	2.62787851	> 100.00	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	nu	0.00004722	0.00004722	mg/L	-17.48291795	0.00014976	317.14118150	5.16378885	29.54	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	0.00041207	0.00041207	mg/L	28.41104048	0.00011649	28.27031817	4.50477181	15.86	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y		1.00	1.00	Ratio	168469.33	0.01	0.61	1024.83	0.61		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	29400.31	0.00	0.36	106.80	0.36		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794219814013	File: icp data
Cal: 794219814001	Time: 31-MAY-2024 16:11
Caldate: 31-MAY-2024	

Standards: S20577

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.009558	0.003333	mg/L	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	390.7	mg/L	98	
Aluminum as Al2O3	A	755.8	738.2	mg/L	98	
Iron	A	160.0	140.6	mg/L	88	
Iron as Fe2O3	A	228.8	201.0	mg/L	88	
Calcium	R	400.0	395.5	mg/L	99	
Calcium as CaCO3	R	998.9	987.8	mg/L	99	
Magnesium	R	400.0	420.0	mg/L	105	
Magnesium as MgCO3	R	1388	1457	mg/L	105	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	152107	-9.30
Yttrium	R	29666	27149	-8.48

+ = high bias a = ICSA

Label: ICSA,S20577 Rack:Tube: S1:14 Type: QC
Date Time: 5/31/2024 4:11:47 PM Weight: - Volume: -
Dilution: - %RSE limit: - Calibration Coefficient [3]: -
LIMS ID: - Customer: - Customer Ref.: -
Sample Date Time: - Sample Site: - Description: -
Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration
Ag 328.068	Ag	nu	-0.00004172	-0.00004172	mg/L	35.57331917	0.00027099	649.51971531	13.69555393	38.50		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4
Al 396.152	Al	no	390.68942308	390.68942308	mg/L	17208607.18335470	1.44593583	0.37009854	63675.91277986	0.37	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8
As 188.980	As	n	0.00193957	0.00193957	mg/L	20.57434821	0.00082830	42.70545297	4.78205149	23.24	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.3
B 249.678	B	n	0.00105975	0.00105975	mg/L	147.74813756	0.00032906	31.05076114	13.35865857	9.04	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.1
Ba 230.424	Ba	n	0.00253595	0.00253595	mg/L	673.15921091	0.00003809	1.50197143	5.92679404	0.88	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602
Be 313.107	Be	n	0.00007792	0.00007792	mg/L	3.26185823	0.00000480	6.16444168	6.65775582	> 100.00	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	138599
Ca 317.933	Ca-R	no	395.53458430	395.53458430	mg/L	2789310.97269804	1.33896491	0.33852031	9439.25296843	0.34	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.6
Cd 214.439	Cd	n	0.00057157	0.00057157	mg/L	632.23574166	0.00002109	3.69009469	4.79406370	0.76	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298
Co 230.786	Co	nu	-0.00090089	-0.00090089	mg/L	65.05703722	0.00013491	14.97480050	7.55856035	11.62	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8
Cr 267.716	Cr	nu	-0.00057618	-0.00057618	mg/L	-19.99720681	0.00006420	11.14226094	3.54916308	17.75	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4
Cu 324.754	Cu	nKu	-0.00369686	-0.00369686	mg/L	890.83412475	0.00037454	10.13116100	17.90624566	2.01	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.1
Fe 259.940	Fe	no	140.55865609	140.55865609	mg/L	5718771.57709257	1.06397444	0.75696116	43284.01340841	0.76	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4
K 766.491	K-R	nK	0.63091549	0.63091549	mg/L	11.44505363	0.11451388	18.15043140	70.77078488	> 100.00	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.01
Li 670.783	Li-R	n	0.00240564	0.00240564	mg/L	55.43925823	0.00083114	34.54955885	37.34821614	67.37	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.1
Mg 279.800	Mg-R	no	419.98409297	419.98409297	mg/L	201213.91665401	1.72266993	0.41017504	825.18915800	0.41	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.01
Mn 257.610	Mn	nu	-0.00015878	-0.00015878	mg/L	822.99965403	0.00001997	12.57429742	8.23258826	1.00	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338
Mo 204.598	Mo	n	0.00322554	0.00322554	mg/L	153.89110701	0.00062158	19.27051470	10.74382522	6.98	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.1
Na 589.592	Na-R	n	0.10947679	0.10947679	mg/L	440.86965253	0.00743954	6.79554506	38.79843726	8.80	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.1
Ni 231.604	Ni	nu	-0.00161622	-0.00161622	mg/L	34.30044378	0.00044890	27.77449063	9.85772874	28.74	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.8
P 177.434	P	nu	-0.00079550	-0.00079550	mg/L	2.18752090	0.01003815	1261.86573073	1.36465139	62.38		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.94
Pb 220.353	Pb	nK	0.00955815	0.00955815	mg/L	-703.90595418	0.00196921	20.60236366	23.63301372	3.36	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.1
S 181.972	S	n	0.02309982	0.02309982	mg/L	342.79135215	0.00246763	10.68245776	3.57886238	1.04		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.3
Sb 206.834	Sb	n	0.00837383	0.00837383	mg/L	6.75761717	0.00222907	26.61946067	9.92607329	> 100.00	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0
Se 196.026	Se	nu	-0.00049344	-0.00049344	mg/L	20.25398322	0.00370249	750.34350974	15.51119128	76.58	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.3
Si 251.611	Si	nu	-0.00898828	-0.00898828	mg/L	48.03187146	0.00069705	7.75510816	2.86920123	5.97		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.2
Sn 189.925	Sn	nu	-0.00129940	-0.00129940	mg/L	29.37776340	0.00033292	25.62123971	4.19285076	14.27	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1
Sr 421.552	Sr-R	nK	0.01814372	0.01814372	mg/L	4978.36838359	0.00014548	0.80183419	31.89297554	0.64	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221
Ti 334.941	Ti	nu	-0.00026378	-0.00026378	mg/L	65.01153529	0.00005095	19.31363779	12.72795259	19.58	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833
Tl 190.794	Tl	nu	-0.00141561	-0.00141561	mg/L	5.80747479	0.00030626	21.63411288	1.71144646	29.47	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.2
V 292.401	V	nu	-0.00089837	-0.00089837	mg/L	-173.06235524	0.00012397	13.79931633	4.27448307	2.47	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.1
Zn 206.200	Zn	nKu	-0.03832666	-0.03832666	mg/L	108.19569115	0.00012983	0.33874609	5.02046872	4.64	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.1
Y 371.029	Y		0.91	0.91	Ratio	152106.76	0.01	0.68	1032.52	0.68		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	27148.98	0.00	0.51	137.98	0.51		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794219814014	File: icp data
Cal: 794219814001	Time: 31-MAY-2024 16:14
Caldate: 31-MAY-2024	

Standards: S20763

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.020	mg/L	2	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	151909	-9.42
Yttrium	R	29666	27070	-8.75

Label:	ICSAB,S20863	Rack/Tube:	S1:15	Type:	QC
Date Time:	5/31/2024 4:14:55 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:	-	Customer:	-	Customer Ref.:	-
Sample Date Time:	-	Sample Site:	-	Description:	-
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	1.07214391	1.07214391	mg/L	54223.85427628	0.00242146	0.22585191	122.37915690	0.23		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.46
Al 396.152	Al	no	387.01404844	387.01404844	mg/L	17046829.77645260	1.34190327	0.34673244	59094.54170178	0.35	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.85
As 188.980	As	n	0.00082588	0.00082588	mg/L	14.03907021	0.00006773	8.20095804	0.39102818	2.79	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.331
B 249.678	B	nu	-0.00057338	-0.00057338	mg/L	81.33741139	0.00037913	66.12121240	15.39112139	18.92	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.36
Ba 230.424	Ba	n	0.52600017	0.52600017	mg/L	82125.60466483	0.00160882	0.30585892	250.33662793	0.30	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.7
Be 313.107	Be	n	0.52575301	0.52575301	mg/L	728588.07742741	0.00654850	1.24554643	9076.20775633	1.25	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998
Ca 317.933	Ca-R	no	404.62176502	404.62176502	mg/L	2853373.84448775	0.35925210	0.08878714	2532.60666640	0.09	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.664
Cd 214.439	Cd	n	0.98597253	0.98597253	mg/L	224618.04212525	0.00358158	0.36325372	814.08818635	0.36	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.4
Co 230.786	Co	n	0.49507887	0.49507887	mg/L	27854.79353413	0.00062998	0.12724793	35.29631044	0.13	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.88
Cr 267.716	Cr	n	0.50714471	0.50714471	mg/L	28049.23006457	0.00173951	0.34300053	96.16597716	0.34	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.40
Cu 324.754	Cu	n	0.56880925	0.56880925	mg/L	28260.15777709	0.00176584	0.31044569	84.42369024	0.30	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.26
Fe 259.940	Fe	no	142.36003823	142.36003823	mg/L	5792065.78802949	0.16690900	0.11724428	6790.09845908	0.12	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.44
K 766.491	K-R	n	0.61523588	0.61523588	mg/L	-0.82174596	0.11761077	19.11637044	72.68469369	> 100.00	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.0105
Li 670.783	Li-R	n	0.00197672	0.00197672	mg/L	38.36520824	0.00084253	42.62243730	37.85995709	98.68	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.27
Mg 279.800	Mg-R	no	425.15347790	425.15347790	mg/L	203690.57100169	0.22206199	0.05223102	106.37159622	0.05	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.0175
Mn 257.610	Mn	n	0.51051847	0.51051847	mg/L	211404.56751646	0.00107842	0.21124029	444.67398822	0.21	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.1
Mo 204.598	Mo	n	0.00261994	0.00261994	mg/L	142.24425719	0.00045041	17.19175921	7.78527935	5.47	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.70
Na 589.592	Na-R	n	7.53641264	7.53641264	mg/L	39173.12230759	0.01729948	0.22954530	90.21961072	0.23	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.162
Ni 231.604	Ni	n	0.98314634	0.98314634	mg/L	21660.57832778	0.00091559	0.09312807	20.10611331	0.09	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.84
P 177.434	P	nu	-0.00493703	-0.00493703	mg/L	1.64498562	0.01092755	221.33865229	1.48556179	90.31		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.9464
Pb 220.353	Pb	n	1.01973887	1.01973887	mg/L	11427.43944046	0.00173055	0.16970523	20.76884257	0.18	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.25
S 181.972	S	n	0.08513533	0.08513533	mg/L	432.54408117	0.00181876	2.13631560	2.63779187	0.61		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.324
Sb 206.834	Sb	n	0.00821209	0.00821209	mg/L	6.67029144	0.00261998	31.90389501	11.66678905	> 100.00	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.015
Se 196.026	Se	n	0.01889212	0.01889212	mg/L	101.23308133	0.00212565	11.25153969	8.90521116	8.80	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.396
Si 251.611	Si	nu	-0.00463716	-0.00463716	mg/L	65.53110173	0.00175915	37.93590532	7.24101603	11.05		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.201
Sn 189.925	Sn	nu	-0.00188593	-0.00188593	mg/L	22.06634850	0.00061040	32.36572358	7.68738589	34.84	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.11
Sr 421.552	Sr-R	nu	-0.00167085	-0.00167085	mg/L	660.62034044	0.00007154	4.28144049	15.68235907	2.37	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.5
Ti 334.941	Ti	nu	-0.00021200	-0.00021200	mg/L	77.13223787	0.00005578	26.31076419	13.93546435	18.07	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.5
Tl 190.794	Tl	nu	-0.00054167	-0.00054167	mg/L	10.63520217	0.00026250	48.46201041	1.46694820	13.79	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.292
V 292.401	V	n	0.53525356	0.53525356	mg/L	18312.54535026	0.00210666	0.39358117	72.63784280	0.40	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.14
Zn 206.200	Zn	n	0.93002914	0.93002914	mg/L	37572.59451692	0.00106554	0.11457022	41.20380664	0.11	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.54
Y 371.029	Y		0.91	0.91	Ratio	151908.62	0.01	0.89	1347.57	0.89		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.91	0.91	Ratio	27070.04	0.00	0.20	53.84	0.20		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814049	File: icp data	Time: 31-MAY-2024 18:04
Cal: 794219814001	Caldate: 31-MAY-2024	

Standards: S20784

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13601	12282	1.000	1.022	mg/L	2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	165185	-1.50
Yttrium	R	29666	28838	-2.79

Label: CCV,S20784	Rack/Tube: S1:12	Type: QC
Date Time: 5/31/2024 6:04:23 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]
Ag 328.068	Ag	n	0.49885175	0.49885175	mg/L	25243.09349301	0.00016754	0.03358592	8.46758034	0.03		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	1.09695869	1.09695869	mg/L	48732.21407698	0.00168004	0.15315397	73.98517040	0.15	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	1.03365629	1.03365629	mg/L	5969.74360358	0.00361302	0.34953798	20.85917111	0.35	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	n	1.05379654	1.05379654	mg/L	42845.87257031	0.00105956	0.10054727	43.01445624	0.10	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	n	1.02508212	1.02508212	mg/L	159569.24835933	0.00231406	0.22574384	360.07413671	0.23	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	1.03618830	1.03618830	mg/L	1436093.34465530	0.00257446	0.24845468	3568.19521736	0.25	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	52.15941473	52.15941473	mg/L	368537.12548411	0.10402498	0.19943663	733.34117328	0.20	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	1.00768402	1.00768402	mg/L	229053.65873767	0.00268669	0.26662058	610.68128063	0.27	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	n	1.03304894	1.03304894	mg/L	57906.69510160	0.00175687	0.17006613	98.43349722	0.17	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	0.99150580	0.99150580	mg/L	54777.53696342	0.00135491	0.13665137	74.90382544	0.14	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	n	1.04226335	1.04226335	mg/L	50863.41320549	0.00336678	0.32302560	160.96314876	0.32	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	1.06058642	1.06058642	mg/L	43234.51864496	0.00120867	0.11396211	49.17030149	0.11	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411111059
K 766.491	K-R	n	59.73589388	59.73589388	mg/L	36712.03914819	0.08231068	0.13779099	50.86886448	0.14	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	n	1.02067551	1.02067551	mg/L	45688.46040119	0.00065032	0.06371451	29.22288388	0.06	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	n	52.40538544	52.40538544	mg/L	25102.18361356	0.11492227	0.21929477	55.04978639	0.22	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	n	1.01823885	1.01823885	mg/L	419996.80886435	0.00068439	0.06721326	282.20071529	0.07	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	n	1.02162799	1.02162799	mg/L	17636.83769219	0.00285032	0.27899802	49.26705962	0.28	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	nQ	31.47881528	31.47881528	mg/L	164123.19339531	0.05402669	0.17162874	281.75800338	0.17	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	n	1.02120298	1.02120298	mg/L	22428.95201440	0.00128491	0.12582309	28.21640931	0.13	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	nQ	5.51655929	5.51655929	mg/L	751.45571227	0.02878905	0.52186606	3.91377051	0.52		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	1.02229619	1.02229619	mg/L	12281.68946114	0.00249258	0.24382190	29.91421000	0.24	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	n	5.45675367	5.45675367	mg/L	8073.56566596	0.00782991	0.14349029	11.35591474	0.14		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	0.99964339	0.99964339	mg/L	4420.44223865	0.00533162	0.53335196	23.74177470	0.54	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	n	1.02705298	1.02705298	mg/L	4328.68317792	0.00298961	0.29108647	12.52467699	0.29	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	nQ	5.63709104	5.63709104	mg/L	23265.19936507	0.08271684	1.46736744	340.47914079	1.46		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	n	4.97508473	4.97508473	mg/L	62682.64689429	0.01577128	0.31700521	198.62530423	0.32	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	1.05416217	1.05416217	mg/L	231246.41993664	0.00057673	0.05471025	126.43293242	0.05	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	1.04031275	1.04031275	mg/L	259989.35254465	0.00550862	0.52951555	1376.23744753	0.53	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	n	1.03187977	1.03187977	mg/L	5773.02773775	0.00462966	0.44866290	25.87190147	0.45	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	n	1.03997420	1.03997420	mg/L	35844.36721870	0.00312473	0.30046209	107.74107661	0.30	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	0.99691737	0.99691737	mg/L	38572.86800405	0.00354391	0.35548726	137.04154570	0.36	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y	0.98	0.98	0.98	Ratio	165184.93	0.01	0.79	1310.55	0.79		-	-	-	Fitted	-	-
Y 371.029	Y-R	0.97	0.97	0.97	Ratio	28837.80	0.00	0.46	131.63	0.46		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794219814050	File: icp data
Cal: 794219814001	Time: 31-MAY-2024 18:07
Caldate: 31-MAY-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	179434	6.99
Yttrium	R	29666	30614	3.20

Label: CCB	Rack/Tube: S1:1	Type: QC
Date Time: 5/31/2024 6:07:30 PM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00000219	0.00000219	mg/L	27.57385089	0.00025083	11446.39367639	12.67684232	45.97		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.460378010
Al 396.152	Al	nZ	0.00424852	0.00424852	mg/L	235.21941807	0.00006102	1.43637623	2.68739777	1.14	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.855133336
As 188.980	As	n	0.00176189	0.00176189	mg/L	12.44196449	0.00067731	38.44239415	3.91034361	31.43	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.3319088977
B 249.678	B	n	0.00069890	0.00069890	mg/L	89.13210921	0.00024865	35.57686137	10.09410458	11.32	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	nu	0.00000454	0.00000454	mg/L	54.69211607	0.00013046	2876.26934611	20.29969011	37.12	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.78083751
Be 313.107	Be	n	0.00006499	0.00006499	mg/L	29.67760904	0.00000738	11.35006750	10.22321109	34.45	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.4351298
Ca 317.933	Ca-R	n	0.01211871	0.01211871	mg/L	918.81002852	0.00060908	5.02598383	4.29384227	0.47	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.6641853342
Cd 214.439	Cd	n	0.00009292	0.00009292	mg/L	27.76621642	0.00003915	42.13087536	8.89863655	32.05	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.49823866
Co 230.786	Co	n	0.00038549	0.00038549	mg/L	46.24334332	0.00020209	52.42317499	11.32253831	24.48	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.880234262
Cr 267.716	Cr	nu	0.00018025	0.00018025	mg/L	-30.25289455	0.00025400	140.91195460	14.04194927	46.42	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.401396586
Cu 324.754	Cu	nu	-0.00009339	-0.00009339	mg/L	1017.19009741	0.00026875	287.78501677	12.84871780	1.26	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.262983782
Fe 259.940	Fe	n	0.00324986	0.00324986	mg/L	145.10257445	0.00009464	2.91226320	3.85027130	2.65	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441111059
K 766.491	K-R	n	0.30055506	0.30055506	mg/L	-3.49825924	0.11002090	36.60590491	67.99407345	> 100.00	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.01052261052
Li 670.783	Li-R	nZ	0.00422988	0.00422988	mg/L	-3.28440443	0.00027520	6.50618849	12.36664750	> 100.00	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.271925433
Mg 279.800	Mg-R	n	0.00721771	0.00721771	mg/L	2.15824105	0.00845657	117.16403689	4.05084323	> 100.00	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.01756678050
Mn 257.610	Mn	n	0.00005775	0.00005775	mg/L	127.17727218	0.00005302	91.80723798	21.86310465	17.19	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.13334721
Mo 204.598	Mo	n	0.00317852	0.00317852	mg/L	33.07858226	0.00075875	23.87129039	13.11486673	39.65	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.735358128
Na 589.592	Na-R	n	0.01902422	0.01902422	mg/L	60.80104376	0.00256767	13.49684022	13.39080866	22.02	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.1628452165
Ni 231.604	Ni	nu	-0.00018444	-0.00018444	mg/L	-6.07074900	0.00025592	138.75517814	5.61990518	92.57	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	nu	0.00362990	0.00362990	mg/L	1.83480123	0.00624419	172.02106046	0.84887628	46.27		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.94649433852
Pb 220.353	Pb	nu	0.00051463	0.00051463	mg/L	22.59242418	0.00058734	114.12849167	7.04880306	31.20	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.294334927
S 181.972	S	nu	-0.00439030	-0.00439030	mg/L	148.06778386	0.00204712	46.62827933	2.96898966	2.01		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.3248023461
Sb 206.834	Sb	n	0.00411906	0.00411906	mg/L	-12.41637672	0.00127570	30.97075347	5.68073067	45.75	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	nu	0.00021041	0.00021041	mg/L	26.24435710	0.00076867	365.32645522	3.22027639	12.27	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.3984075522
Si 251.611	Si	nu	-0.00263594	-0.00263594	mg/L	51.83361794	0.00075783	28.74992425	3.11937804	6.02		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.2010920619
Sn 189.925	Sn	nu	0.00008929	0.00008929	mg/L	26.52273828	0.00022017	246.57650885	2.77287190	10.45	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.116154537
Sr 421.552	Sr-R	n	0.00009932	0.00009932	mg/L	49.42569883	0.00007510	75.60677265	16.46267795	33.31	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	0.00037016	0.00037016	mg/L	177.86470311	0.00015480	41.81955005	38.67433376	21.74	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.53496293
Tl 190.794	Tl	nu	-0.00091308	-0.00091308	mg/L	1.47390565	0.00010890	11.92675665	0.60856850	41.29	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.2920264451
V 292.401	V	nu	0.00000178	0.00000178	mg/L	-19.05135683	0.00017032	9562.96136476	5.87279590	30.83	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	0.00061675	0.00061675	mg/L	36.35741779	0.00011203	18.16518369	4.33230292	11.92	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.543581412
Y 371.029	Y		1.07	1.07	Ratio	179433.63	0.01	0.87	1553.30	0.87		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.03	1.03	Ratio	30614.12	0.00	0.46	141.95	0.46		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814061	File: icp data	Time: 31-MAY-2024 19:28
Cal: 794219814001	Caldate: 31-MAY-2024	

Standards: S20784

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13601	11359	1.000	0.9454	mg/L	-5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	177729	5.98
Yttrium	R	29666	30465	2.70

Label: CCV,S20784

Rack/Tube: S1:12

Type: QC

Date Time: 5/31/2024 7:28:28 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	0.46197652	0.46197652	mg/L	23379.25072029	0.00069232	0.14985952	34.98926684	0.15		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	1.00600069	1.00600069	mg/L	44708.95586531	0.00410617	0.40816732	180.82674606	0.40	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	0.94770110	0.94770110	mg/L	5473.50444179	0.00239107	0.25230191	13.80442916	0.25	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	n	0.96427753	0.96427753	mg/L	39211.48568640	0.00442688	0.45908778	179.71534416	0.46	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	n	0.94533360	0.94533360	mg/L	147159.65530663	0.00536106	0.56710809	834.19635572	0.57	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	0.95777755	0.95777755	mg/L	1327416.25113448	0.00405168	0.42302904	5615.61817671	0.42	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	49.56756476	49.56756476	mg/L	350265.58778235	0.05863926	0.11830168	413.38709454	0.12	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	0.93025312	0.93025312	mg/L	211453.60713845	0.00351588	0.37794895	799.15467693	0.38	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	n	0.95064199	0.95064199	mg/L	53289.48136017	0.00443701	0.46673803	248.59613619	0.47	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	0.91332113	0.91332113	mg/L	50455.04012732	0.00210595	0.23058176	116.42418687	0.23	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	n	0.96063532	0.96063532	mg/L	46960.22783031	0.00573625	0.59713087	274.24588761	0.58	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	0.96993466	0.96993466	mg/L	39542.97126858	0.00172107	0.17744196	70.01565018	0.18	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411111059
K 766.491	K-R	n	56.94287081	56.94287081	mg/L	34986.69504166	0.07420182	0.13030924	45.85750814	0.13	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	n	0.97265425	0.97265425	mg/L	43529.74192545	0.00019635	0.02018668	8.82308363	0.02	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	n	49.97202241	49.97202241	mg/L	23936.53981142	0.10713255	0.21438507	51.31837538	0.21	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	n	0.93327120	0.93327120	mg/L	384959.60513559	0.00265644	0.28463708	1095.34980447	0.28	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	n	0.93963521	0.93963521	mg/L	16219.60729073	0.00301595	0.32096987	52.12982724	0.32	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	nQ	29.85191929	29.85191929	mg/L	155638.94768958	0.04848657	0.16242364	252.86537585	0.16	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	n	0.94199236	0.94199236	mg/L	20689.21320181	0.00160179	0.17004261	35.17503061	0.17	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	nQ	5.61396236	5.61396236	mg/L	764.68935980	0.05525392	0.98422313	7.51157618	0.98		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	0.94542558	0.94542558	mg/L	11359.33779853	0.00242863	0.25688192	29.14667155	0.26	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	n	5.07292148	5.07292148	mg/L	7516.64881418	0.01773181	0.34953850	25.71688897	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	0.92018616	0.92018616	mg/L	4066.62658920	0.00572562	0.62222420	25.49627740	0.63	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	n	0.94593018	0.94593018	mg/L	3988.80003447	0.00354322	0.37457564	14.84397693	0.37	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	n	5.21176891	5.21176891	mg/L	21514.53351753	0.07792744	1.49522062	320.76502702	1.49		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	n	4.56852388	4.56852388	mg/L	57562.35036056	0.01743018	0.38152760	219.51770503	0.38	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	1.00424362	1.00424362	mg/L	220297.53493186	0.00064891	0.06461724	142.25632292	0.06	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	0.95680829	0.95680829	mg/L	239127.16827128	0.00694803	0.72616780	1735.85181785	0.73	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	n	0.95347222	0.95347222	mg/L	5334.86396046	0.00148291	0.15552782	8.28695956	0.16	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	n	0.96290404	0.96290404	mg/L	33186.75244906	0.00301441	0.31305431	103.93737831	0.31	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	0.92881382	0.92881382	mg/L	35938.77825329	0.00306908	0.33043001	118.67990870	0.33	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y	1.06	1.06	1.06	Ratio	177729.20	0.01	0.55	970.01	0.55		-	-	-	Fitted	-	-
Y 371.029	Y-R	1.03	1.03	1.03	Ratio	30465.30	0.00	0.28	84.32	0.28		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794219814062	File: icp data
Cal: 794219814001	Time: 31-MAY-2024 19:31
	Caldate: 31-MAY-2024

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	184077	9.76
Yttrium	R	29666	31167	5.06

Label: CCB	Rack/Tube: S1:1	Type: QC
Date Time: 5/31/2024 7:31:35 PM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00006810	-0.00006810	mg/L	24.02103354	0.00009248	135.79475971	4.67382482	19.46		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	0.00279476	0.00279476	mg/L	171.15757186	0.00028864	10.32784461	12.71103296	7.43	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	0.00154208	0.00154208	mg/L	11.17301157	0.00029569	19.17450591	1.70709461	15.28	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	n	0.00054395	0.00054395	mg/L	82.84217436	0.00006372	11.71380410	2.58670442	3.12	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	nu	-0.00007734	-0.00007734	mg/L	41.95165331	0.00011481	148.45291589	17.86526368	42.59	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	0.00006225	0.00006225	mg/L	25.88284215	0.00000648	10.41349059	8.98444617	34.71	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	0.01060516	0.01060516	mg/L	908.13859337	0.00268748	25.34120697	18.94580457	2.09	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	0.00008836	0.00008836	mg/L	26.72277695	0.00004734	53.57282555	10.75971856	40.26	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	n	0.00033032	0.00033032	mg/L	43.15088712	0.00011522	34.88150457	6.45548692	14.96	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	0.00014786	0.00014786	mg/L	-32.04403698	0.00010971	74.19485738	6.06486923	18.93	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	nu	-0.00084085	-0.00084085	mg/L	981.45632015	0.00011644	13.84748953	5.56671619	0.57	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	0.00135157	0.00135157	mg/L	67.87088519	0.00009881	7.31072803	4.01973032	5.92	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441111059
K 766.491	K-R	n	0.30460661	0.30460661	mg/L	-0.99288217	0.01979360	6.49808489	12.23265082	> 100.00	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	nZ	0.00520488	0.00520488	mg/L	40.52711140	0.00063604	12.22006202	28.58127062	70.52	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	n	0.01089192	0.01089192	mg/L	3.91780127	0.00855902	78.58134825	4.09991919	> 100.00	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	nu	-0.00002792	-0.00002792	mg/L	91.84294161	0.00003499	125.34301627	14.42778461	15.71	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	nZ	0.00336259	0.00336259	mg/L	36.26074241	0.00077428	23.02627155	13.38319661	36.91	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	n	0.01956473	0.01956473	mg/L	63.62028988	0.00107808	5.51031189	5.62234927	8.84	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	nu	-0.00018523	-0.00018523	mg/L	-6.08917422	0.00013581	73.31953611	2.98242973	48.98	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	nu	0.00005151	0.00005151	mg/L	1.34831805	0.00917968	17821.19622977	1.24794537	92.56		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	0.00120815	0.00120815	mg/L	30.91133883	0.00044174	36.56338490	5.30145106	17.15	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	nu	-0.00973923	-0.00973923	mg/L	140.31032892	0.00196928	20.22010332	2.85609853	2.04		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	0.00439024	0.00439024	mg/L	-11.20939960	0.00083623	19.04754496	3.72375551	33.22	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	nu	-0.00089661	-0.00089661	mg/L	21.60687014	0.00141172	157.45098567	5.91427433	27.37	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	nu	-0.00330666	-0.00330666	mg/L	49.07302560	0.00197022	59.58331862	8.10981957	16.53		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	n	0.00022760	0.00022760	mg/L	28.26455172	0.00017790	78.16311113	2.24050555	7.93	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	0.00010632	0.00010632	mg/L	50.94671385	0.00007213	67.84438161	15.81230586	31.04	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	0.00028103	0.00028103	mg/L	155.59555315	0.00018129	64.50926535	45.29175840	29.11	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	nu	-0.00060256	-0.00060256	mg/L	3.20919775	0.00005030	8.34792042	0.28109906	8.76	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	nu	-0.00000021	-0.00000021	mg/L	-19.11810352	0.00012234	59626.63305250	4.21839381	22.06	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	0.00095940	0.00095940	mg/L	49.58750830	0.00009444	9.84366699	3.65195434	7.36	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y		1.10	1.10	Ratio	184076.95	0.01	0.63	1156.11	0.63		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.05	1.05	Ratio	31167.28	0.01	0.55	171.70	0.55		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794219814073	File: icp data
Cal: 794219814001	Time: 31-MAY-2024 20:06
Caldate: 31-MAY-2024	

Standards: S20784

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13601	11329	1.000	0.9429	mg/L	-6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	178353	6.35
Yttrium	R	29666	30530	2.91

Label: CCV,S20784	Rack/Tube: S1:12	Type: QC
Date Time: 5/31/2024 8:06:30 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	0.46083165	0.46083165	mg/L	23321.34928595	0.00028370	0.06156278	14.33808340	0.06		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	1.01018182	1.01018182	mg/L	44889.02079702	0.00161977	0.16034445	71.33121630	0.16	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	0.94597558	0.94597558	mg/L	5463.54385933	0.00063541	0.06717034	3.66846154	0.07	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	n	0.96171202	0.96171202	mg/L	39107.28853046	0.00112972	0.11746986	45.86262320	0.12	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	n	0.94485600	0.94485600	mg/L	147085.24718595	0.00119247	0.12620646	185.55154162	0.13	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	0.95744352	0.95744352	mg/L	1326953.30231092	0.00066907	0.06988069	927.32742906	0.07	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	49.07506730	49.07506730	mg/L	346793.66648081	0.22360351	0.45563567	1576.32968387	0.45	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	0.93113545	0.93113545	mg/L	211654.12953575	0.00176375	0.18941967	400.89856557	0.19	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	n	0.94889670	0.94889670	mg/L	53191.66974657	0.00064169	0.06762487	35.95253841	0.07	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	0.91231025	0.91231025	mg/L	50399.11166254	0.00032499	0.03562309	17.96672502	0.04	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	n	0.95495550	0.95495550	mg/L	46688.57007127	0.00135212	0.14158938	64.64364899	0.14	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	0.96651268	0.96651268	mg/L	39402.99577452	0.00059695	0.06176286	24.28461731	0.06	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411111059
K 766.491	K-R	n	56.29718054	56.29718054	mg/L	34587.82154482	0.06553457	0.11640826	40.50105423	0.12	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	n	0.95677451	0.95677451	mg/L	42816.00289502	0.00075667	0.07908559	34.00196376	0.08	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	n	49.54126844	49.54126844	mg/L	23730.19646168	0.31619056	0.63823671	151.46083459	0.64	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	n	0.93086769	0.93086769	mg/L	383968.20669757	0.00074939	0.08050420	309.00109428	0.08	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	n	0.93907898	0.93907898	mg/L	16209.98984338	0.00101474	0.10805707	17.53953387	0.11	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	nQ	29.47814450	29.47814450	mg/L	153689.70555522	0.06829128	0.23166749	356.15013672	0.23	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	n	0.93847650	0.93847650	mg/L	20611.95284197	0.00049821	0.05308674	10.94054080	0.05	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	nQ	5.78192396	5.78192396	mg/L	787.52162941	0.00706888	0.12225825	0.96098929	0.12		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	0.94287717	0.94287717	mg/L	11328.79829294	0.00099994	0.10605213	12.00058984	0.11	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	n	5.06162233	5.06162233	mg/L	7500.20444343	0.01164755	0.23011488	16.89272473	0.23		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	0.92341251	0.92341251	mg/L	4080.99592494	0.00495527	0.53662548	22.06587886	0.54	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	n	0.94912505	0.94912505	mg/L	4002.17878129	0.00124374	0.13104081	5.21052700	0.13	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	n	5.28806143	5.28806143	mg/L	21828.57674227	0.08326401	1.57456581	342.73139743	1.57		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	n	4.57225454	4.57225454	mg/L	57609.32972456	0.01564439	0.34215913	197.02721906	0.34	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	0.98940834	0.98940834	mg/L	217043.94936052	0.00292333	0.29546258	640.85852785	0.30	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	0.95942010	0.95942010	mg/L	239779.70293583	0.00229670	0.23938383	573.79183724	0.24	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	n	0.95122770	0.95122770	mg/L	5322.32050823	0.00193847	0.20378622	10.83274191	0.20	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	n	0.96364758	0.96364758	mg/L	33212.33859346	0.00070534	0.07319449	24.32011883	0.07	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	0.92777000	0.92777000	mg/L	35898.27798413	0.00265805	0.28649838	102.78542561	0.29	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y		1.06	1.06	Ratio	178353.06	0.00	0.17	300.31	0.17		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.03	1.03	Ratio	30530.13	0.00	0.18	56.31	0.18		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814074	File: icp data	Time: 31-MAY-2024 20:09
Cal: 794219814001	Caldate: 31-MAY-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	182080	8.57
Yttrium	R	29666	31212	5.21

Label: CCB	Rack/Tube: S1:1	Type: QC
Date Time: 5/31/2024 8:09:37 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]
Ag 328.068	Ag	nu	-0.00022740	-0.00022740	mg/L	15.97066748	0.00003938	17.31806110	1.99032276	12.46		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	0.00276338	0.00276338	mg/L	169.78380303	0.00026395	9.55187389	11.62399892	6.85	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	0.00201049	0.00201049	mg/L	13.87700891	0.00049912	24.82582358	2.88158276	20.77	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	nu	0.00068449	0.00068449	mg/L	88.54730572	0.00019199	28.04892349	7.79423455	8.80	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	nu	-0.00005846	-0.00005846	mg/L	44.88681484	0.00003830	65.51509565	5.95966196	13.28	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	0.00005320	0.00005320	mg/L	13.33697002	0.00000637	11.97696465	8.83066765	66.21	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	0.00976018	0.00976018	mg/L	902.18048167	0.00157448	16.13170802	11.09957768	1.23	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	0.00006886	0.00006886	mg/L	22.28620466	0.00001058	15.35770138	2.40375044	10.79	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	nu	0.00011712	0.00011712	mg/L	31.20525632	0.00011815	100.87962892	6.61955565	21.21	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	0.00010253	0.00010253	mg/L	-34.55039011	0.00005001	48.77578221	2.76477145	8.00	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	nu	-0.00072566	-0.00072566	mg/L	986.96312699	0.00015922	21.94157239	7.61221076	0.77	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	0.00136481	0.00136481	mg/L	68.41431536	0.00016335	11.96882541	6.64540020	9.71	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441111059
K 766.491	K-R	n	0.25078527	0.25078527	mg/L	34.254448171	0.08159073	32.53410020	50.42392951	> 100.00	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	nZ	0.00449541	0.00449541	mg/L	8.64730202	0.00043975	9.78221897	19.76077322	> 100.00	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	n	0.00753020	0.00753020	mg/L	2.30721104	0.00692155	91.91730496	3.31554612	> 100.00	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	nu	-0.00002088	-0.00002088	mg/L	94.74502903	0.00003137	150.25150787	12.93351548	13.65	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	n	0.00327541	0.00327541	mg/L	34.75055545	0.00029985	9.15468011	5.18288408	14.91	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	n	0.01690361	0.01690361	mg/L	49.74268565	0.00517869	30.63658602	27.00770419	54.29	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	nu	-0.00016087	-0.00016087	mg/L	-5.55362937	0.00035724	222.06414386	7.84486248	> 100.00	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	n	0.00731395	0.00731395	mg/L	2.33564435	0.00443041	60.57471111	0.60229827	25.79		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	0.00058459	0.00058459	mg/L	23.45004034	0.00054057	92.47058450	6.48755289	27.67	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	nu	-0.00617645	-0.00617645	mg/L	145.47431931	0.00107011	17.32560970	1.55200348	1.07		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	0.00395101	0.00395101	mg/L	-13.16468141	0.00106332	26.91252501	4.73497025	35.97	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	nu	0.00026263	0.00026263	mg/L	26.46327199	0.00177908	677.41058185	7.45326006	28.16	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	nu	-0.00389826	-0.00389826	mg/L	46.63692716	0.00056272	14.43508052	2.31625746	4.97		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	nu	0.00017161	0.00017161	mg/L	27.55910409	0.00019246	112.14982449	2.42390477	8.80	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	0.00011501	0.00011501	mg/L	52.85343600	0.00004461	38.78905934	9.77961341	18.50	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	0.00025619	0.00025619	mg/L	149.39078824	0.00019011	74.20689087	47.49683148	31.79	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	nu	-0.00053517	-0.00053517	mg/L	3.58558345	0.00048797	91.17983946	2.72690797	76.05	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	nu	0.00012376	0.00012376	mg/L	-14.84221801	0.00030612	247.34424564	10.55513522	71.12	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	0.00121977	0.00121977	mg/L	59.64314696	0.00009038	7.40952995	3.49493570	5.86	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y		1.09	1.09	Ratio	182080.35	0.01	0.94	1712.34	0.94		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.05	1.05	Ratio	31212.00	0.00	0.36	110.85	0.36		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814085	File: icp data	Time: 31-MAY-2024 20:44
Cal: 794219814001	Caldate: 31-MAY-2024	

Standards: S20784

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13601	11455	1.000	0.9534	mg/L	-5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	175191	4.46
Yttrium	R	29666	30113	1.51

Label: CCV,S20784

Rack/Tube: S1:12

Type: QC

Date Time: 5/31/2024 8:44:01 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	0.46713999	0.46713999	mg/L	23640.24797296	0.00101368	0.21699747	51.23093976	0.22		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	1.01681953	1.01681953	mg/L	45188.97328814	0.00613108	0.60296622	269.99953718	0.60	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	0.95794611	0.95794611	mg/L	5532.65075438	0.00410201	0.42820850	23.68224600	0.43	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	n	0.97836450	0.97836450	mg/L	39783.41574236	0.00736365	0.75264858	298.93744448	0.75	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	n	0.95737169	0.95737169	mg/L	149032.91840526	0.00751638	0.78510549	1169.56926881	0.78	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	0.96546662	0.96546662	mg/L	1338073.26888562	0.00368892	0.38208663	5112.83579159	0.38	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	50.00507948	50.00507948	mg/L	353349.88905537	0.06230384	0.12459501	439.22111929	0.12	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	0.94210856	0.94210856	mg/L	214148.34094097	0.00567350	0.60221259	1289.57720443	0.60	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	n	0.96136880	0.96136880	mg/L	53890.50574233	0.00844780	0.87872634	473.31237543	0.88	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	0.92478591	0.92478591	mg/L	51088.89003076	0.00397737	0.43008522	219.88240389	0.43	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	n	0.97078001	0.97078001	mg/L	47445.36752292	0.00550067	0.56662372	262.98297106	0.55	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	0.97685777	0.97685777	mg/L	39825.36151388	0.00388348	0.39754778	157.98541620	0.40	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.4411111059
K 766.491	K-R	n	57.20270757	57.20270757	mg/L	35147.11965751	0.03275285	0.05725752	20.24160702	0.06	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	n	0.97564996	0.97564996	mg/L	43664.52362633	0.00205539	0.21066930	92.36178670	0.21	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	n	50.62872642	50.62872642	mg/L	24251.11568181	0.12586008	0.24859421	60.28918956	0.25	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	n	0.94664548	0.94664548	mg/L	390474.68031413	0.00378399	0.39972665	1560.28514712	0.40	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	n	0.95052339	0.95052339	mg/L	16407.81038251	0.00421461	0.44339920	72.84847141	0.44	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	nQ	29.94172297	29.94172297	mg/L	156107.23137682	0.03432586	0.11464222	179.01492509	0.11	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	n	0.95393998	0.95393998	mg/L	20951.63729602	0.00276435	0.28978200	60.70462726	0.29	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	nQ	6.09070640	6.09070640	mg/L	829.50264152	0.02605688	0.42781374	3.54234135	0.43		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	0.95340556	0.95340556	mg/L	11455.05188374	0.00095224	0.09987787	11.42812605	0.10	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	n	5.16899320	5.16899320	mg/L	7656.03462129	0.01388877	0.26869398	20.14323276	0.26		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	0.93394075	0.93394075	mg/L	4127.87257090	0.00479255	0.51315337	21.34129116	0.52	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	n	0.95681030	0.95681030	mg/L	4034.38757504	0.00775626	0.81063760	32.49408032	0.81	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	n	5.25802383	5.25802383	mg/L	21704.91959929	0.07292808	1.38698657	300.18666041	1.38		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	n	4.62880298	4.62880298	mg/L	58321.51684821	0.02296450	0.49612184	289.21761420	0.50	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	n	1.01052378	1.01052378	mg/L	221675.43790985	0.00197061	0.19500899	432.00152774	0.19	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	0.96692352	0.96692352	mg/L	241654.28551636	0.00684401	0.70781323	1709.86385418	0.71	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	n	0.96163545	0.96163545	mg/L	5380.48254424	0.00313875	0.32639715	17.54025561	0.33	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	n	0.97267343	0.97267343	mg/L	33523.65337060	0.00457698	0.47055711	157.81506198	0.47	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	0.93352797	0.93352797	mg/L	36121.14038575	0.00478292	0.51234887	184.95333387	0.51	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y	1.04	1.04	1.04	Ratio	175190.80	0.00	0.47	825.70	0.47		-	-	-	Fitted	-	-
Y 371.029	Y-R	1.02	1.02	1.02	Ratio	30113.45	0.00	0.29	88.72	0.29		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 509117 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794219814086	File: icp data	Time: 31-MAY-2024 20:47
Cal: 794219814001	Caldate: 31-MAY-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	167703	182380	8.75
Yttrium	R	29666	31102	4.84

Label:	CCB	Rack/Tube:	S1:1	Type:	QC
Date Time:	5/31/2024 8:47:08 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:	-	Customer:	-	Customer Ref.:	-
Sample Date Time:	-	Sample Site:	-	Description:	-
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00000921	-0.00000921	mg/L	26.99736972	0.00010334	1122.00528848	5.22278306	19.35		Y (371.029 nm)	Linear	1.00000	Fitted	27.4629106462223	50539.4603780102
Al 396.152	Al	n	0.00287691	0.00287691	mg/L	174.77424111	0.00014253	4.95422804	6.27664925	3.59	10.81328872	Y (371.029 nm)	Linear	0.99988	Fitted	48.0609754914276	44037.8551333361
As 188.980	As	n	0.00137204	0.00137204	mg/L	10.19126097	0.00047693	34.76063562	2.75348210	27.02	6.87653046	Y (371.029 nm)	Linear	1.00000	Fitted	2.26987172780218	5773.33190889774
B 249.678	B	n	0.00034674	0.00034674	mg/L	74.83539952	0.00025135	72.49064726	10.20403160	13.64	3.15349344	Y (371.029 nm)	Linear	1.00000	Fitted	60.7588838262379	40596.386739682
Ba 230.424	Ba	nu	-0.00004000	-0.00004000	mg/L	47.76057741	0.00002093	52.33847452	3.25739659	6.82	1.85339735	Y (371.029 nm)	Linear	1.00000	Fitted	53.9839919411158	155602.780837515
Be 313.107	Be	n	0.00006802	0.00006802	mg/L	33.88436856	0.00001282	18.84334020	17.76516608	52.43	2.24747787	Y (371.029 nm)	Linear	0.99997	Fitted	-60.3935615980943	1385998.43512984
Ca 317.933	Ca-R	n	0.01279795	0.01279795	mg/L	923.59745866	0.00088232	6.89424187	6.22006991	0.67	1.79958976	Y-R (371.029 nm)	Linear	1.00000	Fitted	833.375892801693	7049.66418533428
Cd 214.439	Cd	n	0.00010735	0.00010735	mg/L	31.04023869	0.00002312	21.53660185	5.25514919	16.93	3.78088686	Y (371.029 nm)	Linear	0.99992	Fitted	6.6396269939969	227298.498238662
Co 230.786	Co	nu	0.00018414	0.00018414	mg/L	34.96112423	0.00021817	118.47910514	12.22367650	34.96	1.74872930	Y (371.029 nm)	Linear	0.99999	Fitted	24.6439907950389	56027.8802342621
Cr 267.716	Cr	n	0.00021155	0.00021155	mg/L	-28.52350187	0.00004388	20.74498364	2.42611148	8.51	0.76015508	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-40.2189492020669	55283.4013965866
Cu 324.754	Cu	nu	-0.00085952	-0.00085952	mg/L	980.56135885	0.00030955	36.01366473	14.79916114	1.51	8.24982579	Y (371.029 nm)	Linear	0.99993	Fitted	1021.65452930147	47809.2629837823
Fe 259.940	Fe	n	0.00074415	0.00074415	mg/L	43.15802572	0.00016106	21.64328476	6.55210093	15.18	1.91245959	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	12.8863874408271	40681.441111059
K 766.491	K-R	n	0.33083727	0.33083727	mg/L	15.21855338	0.08809412	26.62762902	54.44309412	> 100.00	217.37626061	Y-R (371.029 nm)	Linear	0.99979	Fitted	-189.241542924242	618.010522610523
Li 670.783	Li-R	nZ	0.00636876	0.00636876	mg/L	92.82666521	0.00048116	7.55492985	21.62132079	23.29	51.99314201	Y-R (371.029 nm)	Linear	0.99983	FACT	-193.360802132465	44936.2719254338
Mg 279.800	Mg-R	nu	0.00239178	0.00239178	mg/L	-0.15386551	0.00315073	131.73124907	1.50925300	> 100.00	7.03623932	Y-R (371.029 nm)	Linear	0.99997	Fitted	-1.29955916437655	479.017566780508
Mn 257.610	Mn	nu	-0.00004072	-0.00004072	mg/L	86.56463442	0.00002770	68.03437443	11.42189694	13.19	2.38213007	Y (371.029 nm)	Linear	0.99997	Fitted	103.356520269079	412338.133347217
Mo 204.598	Mo	nZ	0.00384018	0.00384018	mg/L	44.51467168	0.00086926	22.63587627	15.02490689	33.75	23.50735241	Y (371.029 nm)	Linear	1.00000	Fitted	-21.8632778818719	17284.7353581288
Na 589.592	Na-R	n	0.02422369	0.02422369	mg/L	87.91810296	0.00174234	7.19272892	9.08660964	10.34	1.01416648	Y-R (371.029 nm)	Linear	1.00000	Fitted	-38.4124009810598	5215.16284521657
Ni 231.604	Ni	nu	-0.00044077	-0.00044077	mg/L	-11.70077606	0.00017577	39.87748946	3.85981643	32.99	5.63996686	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-2.02089299344834	21959.848340769
P 177.434	P	nu	-0.00079343	-0.00079343	mg/L	1.23344697	0.00428085	539.53536916	0.58196663	47.18		Y (371.029 nm)	Linear	1.00000	Fitted	1.34132569685577	135.946494338525
Pb 220.353	Pb	n	0.00086263	0.00086263	mg/L	26.77282860	0.00021554	24.98634102	2.58676403	9.66	12.79361044	Y (371.029 nm)	Linear	0.99997	Off-Peak Right	16.4292427258527	12001.2943349277
S 181.972	S	nu	-0.00839387	-0.00839387	mg/L	142.26036331	0.00094711	11.28336957	1.37361920	0.97		Y (371.029 nm)	Linear	1.00000	Fitted	154.432410242072	1450.32480234611
Sb 206.834	Sb	n	0.00586830	0.00586830	mg/L	-4.62722149	0.00186491	31.77940170	8.30447068	> 100.00	13.89031756	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-30.7584191573565	4453.0152446768
Se 196.026	Se	nu	-0.00104397	-0.00104397	mg/L	20.98937888	0.00127557	122.18500753	5.34388352	25.46	3.96932144	Y (371.029 nm)	Linear	0.99998	Fitted	25.3628294999985	4189.39840755228
Si 251.611	Si	nu	-0.00301222	-0.00301222	mg/L	50.28476666	0.00080426	26.69979136	3.31047776	6.58		Y (371.029 nm)	Linear	1.00000	Fitted	62.6831886491871	4116.20109206199
Sn 189.925	Sn	nu	0.00009573	0.00009573	mg/L	26.60369617	0.00027518	287.44926636	3.46570357	13.03	3.19575650	Y (371.029 nm)	Linear	0.99998	Fitted	25.3978968306827	12594.1161545371
Sr 421.552	Sr-R	nu	0.00005906	0.00005906	mg/L	40.58718073	0.00007177	121.52074040	15.73292666	38.76	0.82956462	Y-R (371.029 nm)	Linear	0.99999	Fitted	27.6286912494943	219221.98804768
Ti 334.941	Ti	n	0.00031587	0.00031587	mg/L	164.30058592	0.00015117	47.85914412	37.76817228	22.99	2.14430773	Y (371.029 nm)	Linear	1.00000	Fitted	85.3854498571424	249833.534962933
Tl 190.794	Tl	nu	-0.00059810	-0.00059810	mg/L	3.23405491	0.00024387	40.77351485	1.36280356	42.14	3.41670907	Y (371.029 nm)	Linear	0.99993	Fitted	6.57631327149987	5588.29202644513
V 292.401	V	n	0.00022031	0.00022031	mg/L	-11.51504151	0.00012260	55.64814808	4.22722936	36.71	3.79643236	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-19.111909365734	34480.143382827
Zn 206.200	Zn	n	0.00065895	0.00065895	mg/L	37.97149914	0.00021805	33.09001435	8.43173321	22.21	5.70611717	Y (371.029 nm)	Linear	0.99976	Fitted	12.4906777074485	38669.5435814125
Y 371.029	Y		1.09	1.09	Ratio	182379.88	0.01	0.90	1648.26	0.90		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.05	1.05	Ratio	31102.31	0.00	0.39	121.89	0.39		-	-	-	Fitted	-	-



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

enthalpy.com

Lab Job Number : 509627
Report Level : II
Report Date : 06/07/2024

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

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

Lab Job #: 509627
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/05/24

Sample ID	Lab ID	Collected	Matrix
ARCH-SGW-DG-4.5 TO 19-240605-L-LA	509627-001	06/05/24 07:00	Wipe
DOOR-S-15.4GE-DG-8 TO 21-240605-L-LA	509627-002	06/05/24 07:30	Wipe
DOOR-S-15.6GW-DG-8 TO 21-240605-L-LA	509627-003	06/05/24 07:15	Wipe
DOOR-S-15.6GW-DG-8 TO 21-240605-L-DUP-LA	509627-004	06/05/24 07:15	Wipe

Case Narrative

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

Lab Job 509627
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 06/05/24

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

Metals (EPA 6010B):

No analytical problems were encountered.

509627

Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
COC ID:		Standard:	3 Day:
Page:	1 of 1	1 Day:	Custom TAT:
ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other Report: Level II data validation (lab use only)	Sample Receipt Temp: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other
PROJECT INFORMATION		Analysis Request	
Quote #:	RIN031721	Confirmation Wipe Samples - Level II	
Proj. Name:	Hangar 1 - NCTRA WP	Report/Stage 7A Validation	
Proj. #:	20-10491	Report lead concentrations on a µg/t2 basis	
P.O. #:		Report Aroclor 1268 concentrations in addition to the standard Aroclors	
Address:	158 Cody Road, Mountain View, CA	Wipe samples collected from Zone 8 Enclosure D (Low Occupancy) resample	
Global ID:			
Sampled By:	D. WELSH		
CUSTOMER INFORMATION		Test Instructions / Comments	
Company:	Rincon Consultants, Inc.		
Report To:	Lindsay Parker		
Email:	lparker@rinconconsultants.com		
Address:	449 15th Street, Suite 303		
	Oakland, California 94612		
Phone:	(651) 890-5556		
Fax:			
Sample ID		Lead - EPA Method 3050/6010B	
1	ARCH-SQW-DG-4.5 TO 19-240605-L-LA	WP	1
2	DOOR-S-15.4GE-DG-8 TO 21-240605-L-LA	WP	1
3	DOOR-S-15.6GW-DG-8 TO 21-240605-L-LA	WP	1
4	DOOR-S-15.6GW-DG-8 TO 21-240605-L-DUP-LA	WP	1
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
Signature		Print Name	
1 Relinquished By:	<i>[Signature]</i>	Donald Welsh	
1 Received By:	<i>[Signature]</i>	Ramon / Env. Scientist	
2 Relinquished By:	<i>[Signature]</i>	AUDREY HUDSON	
2 Received By:	<i>[Signature]</i>	" "	
3 Relinquished By:	<i>[Signature]</i>	" "	
3 Received By:	<i>[Signature]</i>	" "	
4 Relinquished By:	<i>[Signature]</i>	" "	
4 Received By:	<i>[Signature]</i>	" "	
5 Relinquished By:	<i>[Signature]</i>	" "	
5 Received By:	<i>[Signature]</i>	" "	
6 Relinquished By:	<i>[Signature]</i>	" "	
6 Received By:	<i>[Signature]</i>	" "	
7 Relinquished By:	<i>[Signature]</i>	" "	
7 Received By:	<i>[Signature]</i>	" "	
8 Relinquished By:	<i>[Signature]</i>	" "	
8 Received By:	<i>[Signature]</i>	" "	
9 Relinquished By:	<i>[Signature]</i>	" "	
9 Received By:	<i>[Signature]</i>	" "	
10 Relinquished By:	<i>[Signature]</i>	" "	
10 Received By:	<i>[Signature]</i>	" "	
11 Relinquished By:	<i>[Signature]</i>	" "	
11 Received By:	<i>[Signature]</i>	" "	
12 Relinquished By:	<i>[Signature]</i>	" "	
12 Received By:	<i>[Signature]</i>	" "	
13 Relinquished By:	<i>[Signature]</i>	" "	
13 Received By:	<i>[Signature]</i>	" "	
14 Relinquished By:	<i>[Signature]</i>	" "	
14 Received By:	<i>[Signature]</i>	" "	
15 Relinquished By:	<i>[Signature]</i>	" "	
15 Received By:	<i>[Signature]</i>	" "	
Signature		Date / Time	
<i>[Signature]</i>		6/5/24 13:15	
<i>[Signature]</i>		6/5/24 13:15	
<i>[Signature]</i>		6/5/24 15:35	
<i>[Signature]</i>		6/5/24 15:35	
<i>[Signature]</i>		6/5/24 16:22	
<i>[Signature]</i>		6/6/24 1000	

SAMPLE RECEIPT CHECKLIST			
Section 1: General Info			
Date Received: <u>6/5/24</u> Login # <u>509627</u> Client: <u>Rincon</u>			
Section 2: Shipping / Custody			
Shipping Info: _____			
Are custody seals present? ☐ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package			
Custody seals intact on arrival? ☐ Yes ☐ No ☐ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials			
Section 3: Condition / Packaging Important: Notify PM if temperature exceeds 6°C or arrive frozen			
Date Opened _____ By (print) _____ (sign) _____			
☒ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)			
If no cooler: Sample Temp (°C): _____			
How many coolers? _____ Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____			
Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C			
Type of ice used: ☐ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No			
Section 4: Containers / Labels / Samples			
	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	/		
Were Method 5035 sampling containers present? Transferred to freezer @: _____		/	
Did all containers arrive unbroken/unopened?	/		
Are there any missing / extra samples?		/	
Are samples in the appropriate containers for indicated tests?	/		
Are sample labels present, in good condition and complete?	/		
Does the container count match the COC?	/		
Do the sample labels agree with custody papers?	/		
Was sufficient amount of sample sent for tests requested?	/		
Did you change the hold time in LIMS for unpreserved VOAs?			/
Did you change the hold time in LIMS for preserved terracores?			/
Are bubbles > 6mm present in VOA samples?			/
Was the client contacted about this delivery? Contacted: _____ By: _____ Date: _____		/	
Section 5: Preservatives			
	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			
Preservative added:			
☐ H2SO4 lot# _____	added to samples _____	Date/Time _____	
☐ HCL lot# _____	added to samples _____	Date/Time _____	
☐ HNO3 lot# _____	added to samples _____	Date/Time _____	
☐ CrVI Buffer lot# _____	added to samples _____	Date/Time _____	
Section 6: Explanations / Comments			
Date Logged <u>6/5/24</u> By (print) <u>my</u> (sign) _____			
Date Labeled <u>6/5/24</u> By (print) <u>my</u> (sign) _____			



SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Rincon Consultants Project: Hanger 1 - ACTRA WP
Date Received: 6/6/24 Sampler's Name Present: ☒ Yes ☐ No

Section 2
Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 6.6 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: _____

Section 3
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 5.9 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6
For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____
☐ Email (email sent to/on): _____ / _____
Project Manager's response:

Completed By: Tom Nay Date: 6/6/24

SOUTHWEST AIRLINES

Printed on:

05 JUN 19:08

526 OAK 1369 6675



SNA

PC#	DG	LOT WT
6 OF 6	G	305 LB
(138.4 KG)		

OAK WN 941 06 JUN 06:20

STN FLT DATE ETD LOT 01



PC ID: 0006

PC WT: 50LB

526 13696675 0006

S

5.5 / 6.9

Lead

Lab #: 509627		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-SGW-DG-4.5 TO 19-240605-L-LA		Batch#: 342105	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/05/24	Analysis: EPA 6010B
Lab ID: 509627-001		Received: 06/05/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/06/24	
Diln Fac: 1.000		Analyzed: 06/07/24	
509627-001 Analyte		Result	RL Units
Lead		69	0.50 ug/ft2
Field ID: DOOR-S-15.4GE-DG-8 TO 21-240605-L-LA		Batch#: 342105	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/05/24	Analysis: EPA 6010B
Lab ID: 509627-002		Received: 06/05/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/06/24	
Diln Fac: 1.000		Analyzed: 06/07/24	
509627-002 Analyte		Result	RL Units
Lead		22	0.50 ug/ft2
Field ID: DOOR-S-15.6GW-DG-8 TO 21-240605-L-LA		Batch#: 342105	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/05/24	Analysis: EPA 6010B
Lab ID: 509627-003		Received: 06/05/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/06/24	
Diln Fac: 1.000		Analyzed: 06/07/24	
509627-003 Analyte		Result	RL Units
Lead		13	0.50 ug/ft2
Field ID: DOOR-S-15.6GW-DG-8 TO 21-240605-L-DUP-LA		Batch#: 342105	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/05/24	Analysis: EPA 6010B
Lab ID: 509627-004		Received: 06/05/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/06/24	
Diln Fac: 1.000		Analyzed: 06/07/24	
509627-004 Analyte		Result	RL Units
Lead		8.8	0.50 ug/ft2
Type: BLANK		Batch#: 342105	Analysis: EPA 6010B
Lab ID: QC1159116		Prepared: 06/06/24	Analyst: SBW
Matrix: Wipe		Analyzed: 06/07/24	
Diln Fac: 1.000		Prep: EPA 3050B	
QC1159116 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 509627

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1159117

Matrix: Wipe

Diln Fac: 1.000

Batch#: 342105

Prepared: 06/06/24

Analyzed: 06/07/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1159117 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	56.28	113	80-120	ug/ft2

Type: BSD

Lab ID: QC1159118

Matrix: Wipe

Diln Fac: 1.000

Batch#: 342105

Prepared: 06/06/24

Analyzed: 06/07/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1159118 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.47	107	80-120	ug/ft2	5	20

Legend

RPD: Relative Percent
Difference



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

enthalpy.com

Lab Job Number : 510949
Report Level : II
Report Date : 07/01/2024

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

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

Lab Job #: 510949
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/27/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.4GE-INT-18 TO 19-240627-L-CB	510949-001	06/27/24 08:50	Wipe
ARCH-SGE-INT-8 TO 9-240627-L-CB	510949-002	06/27/24 09:00	Wipe
240627-L-FIELDBLANK1-LO	510949-003	06/27/24 07:31	Wipe
240627-L-MEDBLANK1-LO	510949-004	06/27/24 11:06	Wipe

Case Narrative

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

Lab Job 510949
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 06/27/24

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

Metals (EPA 6010B):

No analytical problems were encountered.

510949

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID:		Standard:	5 Day:	3 Day:	
Page:		1	of 1	1 Day:	Custom TAT:
ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other Report: Level II data validation (lab use only)			
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: Address: 158 Cody Road, Mountain View, CA Global ID: Sampled By: M. Kim		Analysis Request Lead - EPA Method 3050/6010B	
SAMPLE ID		Sampling Date		Sampling Time	
1 DOOR-S-15-4GE-INT-18 TO 19-240627-L-CB		6/27/2024		08:50	
2 ARCH-SGE-INT-8 TO 9-240627-L-CB		6/27/2024		09:00	
3 240627-L-FIELDBLANK 1-L-O		6/27/2024		07:31	
4 240627-L-MEDBLANK 1-L-O		6/27/2024		11:06	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Signature		Print Name		Company / Title	
1 Relinquished By: [Signature]		Donald Woods		Rincon / Env. Techist	
1 Received By: [Signature]		Audrey Hudson		ENTHALPY	
2 Relinquished By: [Signature]		"		"	
2 Received By: [Signature]		Kenneth High		EA	
3 Relinquished By: [Signature]		G. Kim		CA	
3 Received By: [Signature]		G. Kim		CA	
				JUN 28 2024 1800	

SAMPLE RECEIPT CHECKLIST		 ENTHALPY ANALYTICAL	
Section 1: General Info			
Date Received: <u>6/27/24</u>		Login # <u>510949</u> Client: <u>Roncar</u>	
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 <u>6/27/24</u> By (print) <u>mz</u> (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? <u>1</u> 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 <u>6/27/24</u> By (print) <u>mz</u>		(sign) _____	
Date Labeled <u>6/27/24</u> By (print) <u>Kenneth High</u>		(sign) <u>KE</u>	



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants 510949

Project: Hangar 1 NTCRA

Date Received: 6/28/24

Sampler's Name Present: ☒ Yes ☐ No

Section 2

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

Sample Temp (°C), One from each cooler: #1: 4.2 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam

☐ Paper ☐ None ☐ Other _____

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

Section 4

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

Section 5 Explanations/Comments

Section 6

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

Project Manager's response: _____

Completed By: _____

Date: JUN 28 2024

SOUTHWEST AIRLINES

Printed on:
27 JUN 20:36



526 OAK 1458 4441

SNA
Temp.

4.2 / 37

OAK WN 941 28 JUN 06:20

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

STN FLT DATE ETD LOT 01



PC ID: 0005
PC WT: 31LB

526 14584441 0005

526

S

2

9:20

Lead

Lab #: 510949		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.4GE-INT-18 TO 19-240627-L-CB		Batch#: 343979	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/27/24	Analysis: EPA 6010B
Lab ID: 510949-001		Received: 06/27/24	Analyst: DXC
Matrix: Wipe		Prepared: 06/28/24	
Diln Fac: 1.000		Analyzed: 06/28/24	
510949-001 Analyte		Result	RL Units
Lead		240	0.50 ug/ft2
Field ID: ARCH-SGE-INT-8 TO 9-240627-L-CB		Batch#: 343979	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/27/24	Analysis: EPA 6010B
Lab ID: 510949-002		Received: 06/27/24	Analyst: DXC
Matrix: Wipe		Prepared: 06/28/24	
Diln Fac: 1.000		Analyzed: 06/28/24	
510949-002 Analyte		Result	RL Units
Lead		210	0.50 ug/ft2
Field ID: 240627-L-FIELDBLANK1-LO		Batch#: 343979	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/27/24	Analysis: EPA 6010B
Lab ID: 510949-003		Received: 06/27/24	Analyst: DXC
Matrix: Wipe		Prepared: 06/28/24	
Diln Fac: 1.000		Analyzed: 06/28/24	
510949-003 Analyte		Result	RL Units
Lead		1.5	0.50 ug/ft2
Field ID: 240627-L-MEDBLANK1-LO		Batch#: 343979	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/27/24	Analysis: EPA 6010B
Lab ID: 510949-004		Received: 06/27/24	Analyst: DXC
Matrix: Wipe		Prepared: 06/28/24	
Diln Fac: 1.000		Analyzed: 06/28/24	
510949-004 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Type: BLANK		Batch#: 343979	Analysis: EPA 6010B
Lab ID: QC1165474		Prepared: 06/28/24	Analyst: DXC
Matrix: Wipe		Analyzed: 06/28/24	
Diln Fac: 1.000		Prep: EPA 3050B	
QC1165474 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 510949

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1165475

Matrix: Wipe

Diln Fac: 1.000

Batch#: 343979

Prepared: 06/28/24

Analyzed: 06/28/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: DXC

QC1165475 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	55.40	111	80-120	ug/ft2

Type: BSD

Lab ID: QC1165476

Matrix: Wipe

Diln Fac: 1.000

Batch#: 343979

Prepared: 06/28/24

Analyzed: 06/28/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: DXC

QC1165476 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	56.59	113	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent
Difference



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

enthalpy.com

Lab Job Number : 510950
Report Level : IV
Report Date : 07/11/2024

Metals

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

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

Lab Job #: 510950
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/27/24

Sample ID	Lab ID	Collected	Matrix
ARCH-SGE-DG-6 TO 16-240627-L-LA	510950-004	06/27/24 07:50	Wipe
DOOR-S-15.3GE-DG-6 TO 20-240627-L-LA	510950-006	06/27/24 08:10	Wipe
DOOR-S-15.1GE-EXT-5 TO 6-240627-L-CB	510950-008	06/27/24 08:20	Wipe
DOOR-S-15.1GE-EXT-5 TO 6-240627-L-DUP-CB	510950-009	06/27/24 08:20	Wipe
DOOR-S-15.2GE-PS-19-240627-L-G	510950-011	06/27/24 08:35	Wipe

Case Narrative

METALS (EPA 6010B)

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

Lab Job 510950
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 06/27/24

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

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

510950

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID:		Standard:	X (PCBs)	5 Day:	3 Day:
Page:	1 of 1	2 Day:	X (PB)	1 Day:	custom TAT:
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-5900		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other Report: Level IV (lab use only)			
Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other					
PROJECT INFORMATION		Analysis Request			
Quote #:	RIN031721	PCBs - EPA Method 3546/8082 Lead by EPA Method 3050M/6010B			
Proj. Name:	Hangar 1 - NCTRA WP				
Proj. #:	20-10491				
P.O. #:					
Address:	158 Cody Road, Mountain View, CA				
Global ID:					
Sampled By:	H. Kim				
CUSTOMER INFORMATION		Test Instructions / Comments			
Company:	Rincon Consultants, Inc.	Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm ² basis Report lead concentrations on a µg/ft ² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 8 Enclosure A (Low Occupancy)			
Report To:	Lindsay Parker				
Email:	lparker@rinconconsultants.com				
Address:	449 15th Street, Suite 303				
	Oakland, California 94612				
Phone:	(651) 890-9556				
Fax:					
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 DOOR-S-15 SGE-PS-21-240627-P-G	6/27/2024	0740	WP	1	--
2 DOOR-S-15 SGE-PS-21-240627-L-G	6/27/2024	0740	WP	1	--
3 ARCH-SGE-DG-6 TO 16-240627-P-LA	6/27/2024	0720	WP	1	--
4 ARCH-SGE-DG-6 TO 16-240627-L-LA	6/27/2024	0720	WP	1	--
5 DOOR-S-15 3GE-DG-6 TO 20-240627-P-LA	6/27/2024	0710	WP	1	--
6 DOOR-S-15 3GE-DG-6 TO 20-240627-L-LA	6/27/2024	0710	WP	1	--
7 DOOR-S-15 1GE-EXT-5 TO 6-240627-P-CB	6/27/2024	0720	WP	1	--
8 DOOR-S-15 1GE-EXT-5 TO 6-240627-L-CB	6/27/2024	0710	WP	1	--
9 DOOR-S-15 1GE-EXT-5 TO 6-240627-L-DUP-CB	6/27/2024	0710	WP	1	--
10 DOOR-S-15 2GE-PS-19-240627-P-G	6/27/2024	0735	WP	1	--
11 DOOR-S-15 2GE-PS-19-240627-L-G	6/27/2024	0735	WP	1	--
12 DOOR-S-15 1GE-DG-7 TO 20-240627-P-LA	6/27/2024		WP	1	--
13 DOOR-S-15 1GE-DG-7 TO 20-240627-L-LA	6/27/2024		WP	1	--
14 DOOR-S-15 1GE-PS-20-240627-P-G	6/27/2024		WP	1	--
15 DOOR-S-15 1GE-PS-20-240627-L-G	6/27/2024		WP	1	--
Signature		Print Name		Company / Title	
1 Relinquished By:	<i>[Signature]</i>	Donald Welsh		Enthalpy / Env. Scientist	
1 Received By:	<i>[Signature]</i>	Audrey Hudson		Enthalpy	
2 Relinquished By:	<i>[Signature]</i>	Audrey Hudson		y	
2 Received By:	<i>[Signature]</i>	Keaneth H. Kim		y	
3 Relinquished By:	<i>[Signature]</i>	G Kim		EA	
3 Received By:	<i>[Signature]</i>			JUN 28 2024 1000	

6x Rivet Type 1 = 0.082842
 5x Rivet Type 3 = 0.0875672
 2x Rivet Type 7 = 0.0776672
 6x Rivet Type 1 = 0.082842
 MK
 MK
 MK
 MK

[illegible]

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



SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Rincon Consultants 510950 Project: Hangar 1 NTCRA
Date Received: 6/28/24 Sampler's Name Present: ☒ Yes ☐ No

Section 2
Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 4.2 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: _____

Section 3
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 3.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6
For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____
☐ Email (email sent to/on): _____ / _____
Project Manager's response:

Completed By: [Signature] Date: JUN 28 2024

SOUTHWEST AIRLINES

Printed on:
27 JUN 20:36

526 OAK 1458 4441

SNA
Temp.

4.2 / 37

OAK WN 941 28 JUN 06:20

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

STN FLT DATE ETD LOT 01

Q:20



PC ID: 0005
PC WT: 31LB

S

526 14584441 0005

526

2

Results & QC Summary

Lead

Lab #: 510950		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.5GE-PS-21-240627-L-G		Lab ID: 510950-002	Sampled: 06/27/24
Type: SAMPLE		Matrix: Wipe	Received: 06/27/24
510950-002 Analyte			Result
Lead			NA
Field ID: ARCH-SGE-DG-6 TO 16-240627-L-LA		Batch#: 344090	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/27/24	Analysis: EPA 6010B
Lab ID: 510950-004		Received: 06/27/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/01/24	
Diln Fac: 1.000		Analyzed: 07/01/24	
510950-004 Analyte		Result	RL Units
Lead		140	0.50 ug/ft2
Field ID: DOOR-S-15.3GE-DG-6 TO 20-240627-L-LA		Batch#: 344090	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/27/24	Analysis: EPA 6010B
Lab ID: 510950-006		Received: 06/27/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/01/24	
Diln Fac: 1.000		Analyzed: 07/01/24	
510950-006 Analyte		Result	RL Units
Lead		300	0.50 ug/ft2
Field ID: DOOR-S-15.1GE-EXT-5 TO 6-240627-L-CB		Batch#: 344090	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/27/24	Analysis: EPA 6010B
Lab ID: 510950-008		Received: 06/27/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/01/24	
Diln Fac: 1.000		Analyzed: 07/01/24	
510950-008 Analyte		Result	RL Units
Lead		280	0.50 ug/ft2
Field ID: DOOR-S-15.1GE-EXT-5 TO 6-240627-L-DUP-CB		Batch#: 344090	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/27/24	Analysis: EPA 6010B
Lab ID: 510950-009		Received: 06/27/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/01/24	
Diln Fac: 1.000		Analyzed: 07/01/24	
510950-009 Analyte		Result	RL Units
Lead		300	0.50 ug/ft2
Field ID: DOOR-S-15.2GE-PS-19-240627-L-G		Batch#: 344090	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/27/24	Analysis: EPA 6010B
Lab ID: 510950-011		Received: 06/27/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/01/24	
Diln Fac: 1.000		Analyzed: 07/01/24	
510950-011 Analyte		Result	RL Units
Lead		110	0.50 ug/ft2

Lead

Lab #: 510950

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 344090

Analysis: EPA 6010B

Lab ID: QC1165892

Prepared: 07/01/24

Analyst: SBW

Matrix: Wipe

Analyzed: 07/01/24

Diln Fac: 1.000

Prep: EPA 3050B

QC1165892 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

NA: Not Analyzed

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 510950

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1165893

Matrix: Wipe

Diln Fac: 1.000

Batch#: 344090

Prepared: 07/01/24

Analyzed: 07/01/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

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

Type: BSD

Lab ID: QC1165894

Matrix: Wipe

Diln Fac: 1.000

Batch#: 344090

Prepared: 07/01/24

Analyzed: 07/01/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

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

Legend

RPD: Relative Percent
Difference

REPORTING SUMMARY FOR 510950 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	P B
510950-004	MET12	07/01/24 11:30	1.0	✓
510950-006	MET12	07/01/24 11:33	1.0	✓
510950-008	MET12	07/01/24 11:37	1.0	✓
510950-009	MET12	07/01/24 11:40	1.0	✓
510950-011	MET12	07/01/24 11:43	1.0	✓
QC1165892	MET12	07/01/24 11:21	1.0	✓
QC1165893	MET12	07/01/24 11:24	1.0	✓
QC1165894	MET12	07/01/24 11:27	1.0	✓

Instrument: MET12
Method: EPA 6010B

Begun: 07/01/24 09:13

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

Instrument: MET12
Method: EPA 6010B

Begun: 07/01/24 09:13

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
056	icp data	SAMPLE	510951-010	Wipe	344090	07/01/24 12:11	1.0	13	2:ZN=130
057	icp data	SAMPLE	510951-012	Wipe	344090	07/01/24 12:14	1.0	13	2:ZN=190
058	icp data	SAMPLE	511162-002	Wipe	344120	07/01/24 12:17	2.0	13	2:ZN=270
059	icp data	SAMPLE	511162-007	Wipe	344120	07/01/24 12:20	2.0	13	2:ZN=240
060	icp data	SAMPLE	511162-009	Wipe	344120	07/01/24 12:23	2.0	13	2:ZN=270
061	icp data	SAMPLE	511284-002	Miscell.	344074	07/01/24 12:26	1.0	13	2:AL=120
062	icp data	CCV				07/01/24 12:30	1.0	9	
063	icp data	CCB				07/01/24 12:33	1.0		
064	icp data	BLANK	QC1165904	Water	344093	07/01/24 12:36	1.0	13	
065	icp data	LCS	QC1165905	Water	344093	07/01/24 12:39	1.0	13	
066	icp data	MSS	511288-001	Water	344093	07/01/24 12:42	1.0	13	3:CAASCACO3=620
067	icp data	MS	QC1165906	Water	344093	07/01/24 12:45	1.0	13	3:CAASCACO3=660
068	icp data	MSD	QC1165907	Water	344093	07/01/24 12:48	1.0	13	3:CAASCACO3=660
069	icp data	SAMPLE	511288-002	Water	344093	07/01/24 12:51	1.0	13	1:FE=42
070	icp data	SAMPLE	511288-003	Water	344093	07/01/24 12:55	1.0	13	
071	icp data	SAMPLE	511094-001	Miscell.	344008	07/01/24 12:58	100.0	13	
072	icp data	SAMPLE	511094-002	Miscell.	344008	07/01/24 13:01	100.0	13	
073	icp data	SAMPLE	511094-003	Miscell.	344008	07/01/24 13:04	100.0	13	
074	icp data	CCV				07/01/24 13:07	1.0	9	
075	icp data	CCB				07/01/24 13:10	1.0		
076	icp data	BLANK	QC1165545	Soil	344003	07/01/24 13:47	1.0	13	
077	icp data	LCS	QC1165546	Soil	344003	07/01/24 13:50	1.0	13	
078	icp data	MSS	511220-001	Soil	344003	07/01/24 13:53	1.0	13	4:FEASFE2O3=120
079	icp data	MS	QC1165547	Soil	344003	07/01/24 13:56	1.0	13	4:FEASFE2O3=130
080	icp data	MSD	QC1165548	Soil	344003	07/01/24 14:00	1.0	13	4:FEASFE2O3=130
081	icp data	PDS	QC1165549	Soil	344003	07/01/24 14:03	1.0	13	4:FEASFE2O3=120
082	icp data	SAMPLE	511220-002	Soil	344003	07/01/24 14:06	1.0	13	2:FE=56
083	icp data	SAMPLE	511223-001	Soil	344003	07/01/24 14:09	1.0	13	3:FE=220
084	icp data	SAMPLE	511223-002	Soil	344003	07/01/24 14:12	1.0	13	3:FE=250
085	icp data	CCV				07/01/24 14:15	1.0	9	
086	icp data	CCB				07/01/24 14:18	1.0		
087	icp data	BLANK	QC1165765	Soil	344061	07/01/24 14:21	1.0	13	
088	icp data	LCS	QC1165766	Soil	344061	07/01/24 14:25	1.0	13	
089	icp data	SAMPLE	511098-004	Soil	344061	07/01/24 14:28	1.0	13	2:FE=100
090	icp data	SAMPLE	511098-005	Soil	344061	07/01/24 14:31	1.0	13	2:FE=99
091	icp data	MSS	511182-001	Miscell.	344061	07/01/24 14:34	1.0	13	6:MO=170
092	icp data	MS	QC1165767	Miscell.	344061	07/01/24 14:37	1.0	13	6:MO=170
093	icp data	MSD	QC1165768	Miscell.	344061	07/01/24 14:40	1.0	13	6:MO=180
094	icp data	PDS	QC1165769	Miscell.	344061	07/01/24 14:43	1.0	13	6:MO=170
095	icp data	SAMPLE	511190-002	Miscell.	344061	07/01/24 14:46	1.0	13	2:AL=32
096	icp data	SAMPLE	511193-001	Soil	344061	07/01/24 14:49	1.0	13	2:FE=110
097	icp data	CCV				07/01/24 14:53	1.0	9	
098	icp data	CCB				07/01/24 14:56	1.0		
099	icp data	SAMPLE	511194-001	Soil	344061	07/01/24 14:59	1.0	13	2:FE=110
100	icp data	SAMPLE	511195-005	Soil	344061	07/01/24 15:02	1.0	13	3:FE=220
101	icp data	SAMPLE	511207-001	Soil	344061	07/01/24 15:05	1.0	13	2:FE=140
102	icp data	SAMPLE	511209-001	Soil	344061	07/01/24 15:08	1.0	13	2:FE=180
103	icp data	SAMPLE	511233-001	Soil	344061	07/01/24 15:11	1.0	13	2:FE=250
104	icp data	SAMPLE	511241-002	Miscell.	344061	07/01/24 15:14	1.0	13	2:FE=190
105	icp data	CCV				07/01/24 15:18	1.0	9	
106	icp data	CCB				07/01/24 15:21	1.0		
107	icp data	MSS	511182-001	Miscell.	344061	07/01/24 16:02	100.0	13	
108	icp data	MS	QC1165767	Miscell.	344061	07/01/24 16:05	100.0	13	
109	icp data	MSD	QC1165768	Miscell.	344061	07/01/24 16:09	100.0	13	
110	icp data	PDS	QC1165769	Miscell.	344061	07/01/24 16:12	100.0	13	

Instrument: MET12		Begun: 07/01/24 09:13							
Method: EPA 6010B									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	StdS Used	
111	icp data	CCV				07/01/24 16:15	1.0	9	
112	icp data	CCB				07/01/24 16:18	1.0		

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

SBW 07/02/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 064 through 112.

Standards Used:

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

Date: 07/01/24
Sequence: MET12 07/01/24

Reference: icp data
Analyzed: 07/01/24 09:13

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

Date: 07/01/24		Reference: icp data		
Sequence: MET12 07/01/24		Analyzed: 07/01/24 09:13		
#	Type	Sample ID	Y A	Y R
067	MS	QC1165906	118863	21289
068	MSD	QC1165907	117969	21253
069	SAMPLE	511288-002	118512	21357
070	SAMPLE	511288-003	119622	21500
071	SAMPLE	511094-001	126860	22530
072	SAMPLE	511094-002	126633	22442
073	SAMPLE	511094-003	125906	22442
074	CCV		120584	21410
075	CCB		124848	22198
076	BLANK	QC1165545	120106	21919
077	LCS	QC1165546	120643	21851
078	MSS	511220-001	119687	21789
079	MS	QC1165547	119174	21744
080	MSD	QC1165548	119356	21780
081	PDS	QC1165549	120434	21793
082	SAMPLE	511220-002	120588	21866
083	SAMPLE	511223-001	119341	21803
084	SAMPLE	511223-002	119141	21791
085	CCV		120574	21628
086	CCB		124209	22004
087	BLANK	QC1165765	122280	21722
088	LCS	QC1165766	120934	21709
089	SAMPLE	511098-004	122700	22195
090	SAMPLE	511098-005	122378	22199
091	MSS	511182-001	152818	27620
092	MS	QC1165767	151524	27519
093	MSD	QC1165768	154169	28043
094	PDS	QC1165769	152018	27465
095	SAMPLE	511190-002	117288	21077
096	SAMPLE	511193-001	120289	21761
097	CCV		119588	21306
098	CCB		123582	21892
099	SAMPLE	511194-001	120863	21768
100	SAMPLE	511195-005	118644	21543
101	SAMPLE	511207-001	118458	21418
102	SAMPLE	511209-001	117097	21306
103	SAMPLE	511233-001	119545	21609
104	SAMPLE	511241-002	119834	21416
105	CCV		119486	21346
106	CCB		123751	21915
107	MSS	511182-001	118462	21501
108	MS	QC1165767	119573	21605
109	MSD	QC1165768	119607	21480
110	PDS	QC1165769	119627	21587
111	CCV		115354	20717
112	CCB		119538	21409

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

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

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	-0.0032	9.73E-5		12066	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
 WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	16914	13147	11032	10695	10352	10257

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

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	Cal Date: 01-JUL-2024
Calnum: 794264073001	

- ICV 794264073010 (01-JUL-2024) stds: S21056

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.008	mg/L	1	10	

ENTHALPY INSTRUMENT BLANK FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794264073011	File: icp data	Time: 01-JUL-2024 09:45
Cal: 794264073001	Caldate: 01-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	129928	-3.25
Yttrium	R	23485	22907	-2.46

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794264073013	File: icp data
Cal: 794264073001	Time: 01-JUL-2024 09:51
Caldate: 01-JUL-2024	

Standards: S20577

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.005431]	0.003333	mg/L	!a-

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	389.5	mg/L	97	
Aluminum as Al2O3	A	755.8	736.0	mg/L	97	
Iron	A	160.0	146.2	mg/L	91	
Iron as Fe2O3	A	228.8	209.1	mg/L	91	
Calcium	R	400.0	385.8	mg/L	96	
Calcium as CaCO3	R	998.9	963.5	mg/L	96	
Magnesium	R	400.0	393.9	mg/L	98	
Magnesium as MgCO3	R	1388	1367	mg/L	98	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	112973	-15.88
Yttrium	R	23485	20613	-12.23

!=warning -=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794264073014	File: icp data
Cal: 794264073001	Time: 01-JUL-2024 09:54
Caldate: 01-JUL-2024	

Standards: S21007

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9400	mg/L	-6	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	113054	-15.82
Yttrium	R	23485	20576	-12.39

ENTHALPY CONTINUING CALIBRATION FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794264073037	File: icp data	Time: 01-JUL-2024 11:06
Cal: 794264073001	Caldate: 01-JUL-2024	

Standards: S21056

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	12066	10271	1.000	0.9842	mg/L	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	123105	-8.33
Yttrium	R	23485	21794	-7.20

ENTHALPY INSTRUMENT BLANK FOR 510950 METALS Wipe
EPA 6010B

Inst:	MET12	IDF:	1.0
Seqnum:	794264073038	File:	icp data
Cal:	794264073001	Caldate:	01-JUL-2024
		Time:	01-JUL-2024 11:09

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.003245]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	127397	-5.14
Yttrium	R	23485	22318	-4.97

!=warning CCB=instrument blank

ENTHALPY CONTINUING CALIBRATION FOR 510950 METALS Wipe
EPA 6010B

Inst:	MET12	IDF:	1.0
Seqnum:	794264073049	File:	icp data
Cal:	794264073001	Caldate:	01-JUL-2024
		Time:	01-JUL-2024 11:46

Standards: S21056

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	12066	10301	1.000	0.9871	mg/L	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	123815	-7.80
Yttrium	R	23485	21980	-6.41

ENTHALPY INSTRUMENT BLANK FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794264073051	File: icp data
Cal: 794264073001	Time: 01-JUL-2024 11:55
	Caldate: 01-JUL-2024

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	130571	-2.77
Yttrium	R	23485	22679	-3.43

SAMPLE PREPARATION SUMMARY

Batch #: 344090	Prep Date: 01-JUL-2024 08:58	Started By: SMP
Analysis: ICP	Method: 3050B	Finished By: SMP

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20344	Spike S20345	Analysis
QC1165892 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1165893 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1165894 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
510950-004	Wipe	1.0875 ft2	50 mL	45.98				6010
510950-006	Wipe	1.0276 ft2	50 mL	48.66				6010
510950-008	Wipe	1 ft2	50 mL	50.0				6010
510950-009	Wipe	1 ft2	50 mL	50.0				6010
510950-011	Wipe	1.0828 ft2	50 mL	46.18				6010
510951-003	Wipe	1 ft2	50 mL	50.0				6010
510951-005	Wipe	1.0276 ft2	50 mL	48.66				6010
510951-006	Wipe	1.0276 ft2	50 mL	48.66				6010
510951-008	Wipe	1.0828 ft2	50 mL	46.18				6010
510951-010	Wipe	1.0828 ft2	50 mL	46.18				6010
510951-012	Wipe	1.0276 ft2	50 mL	48.66				6010

Analyst: SBW 07/01/24

Reviewer: KLN 07/01/24

Initials: SM Prep Method: 3050B 3051 / Other: _____ QC Batch #: 344010 / _____
Prep Start, Date/Time: 7/1/24 8:58 Prep End, Date/Time: 7/1/24 10:55 HotBlock Temp (Obs/Cor): 96 / 96
HotBlock ID: 3

[illegible]

ICS Spike ID: 0.5mL (S20344, S20345)

MS/MSD Spike ID: 3

Gold Std ID:

Hydrochloric Acid ID: 10mL 24000610

Nitric Acid ID: 10mL 2023/12039

H₂O₂ ID: 2A33A3

134 of 175

Enthalpy Analytical, Orange, Logbook # BK1437

ICP & ICP-MS Soil Prep Log, Rev. 1, 12/18/2023

ICP Raw Data

Instrument: MET12
Method: EPA 6010B

Begun: 07/01/24 09:13

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
001	icp data	ICALBLK				07/01/24 09:13	1.0		
002	icp data	ICAL	L1			07/01/24 09:16	1.0	1	
003	icp data	ICAL	L2			07/01/24 09:19	1.0	2	
004	icp data	ICAL	L3			07/01/24 09:22	1.0	3	
005	icp data	ICAL	L4			07/01/24 09:25	1.0	4	
006	icp data	ICAL	L5			07/01/24 09:29	1.0	5	
007	icp data	ICAL	L6			07/01/24 09:32	1.0	6	
008	icp data	ICAL	L7			07/01/24 09:35	1.0	7	
009	icp data	ICAL	L8			07/01/24 09:38	1.0	8	
010	icp data	ICV				07/01/24 09:41	1.0	9	
011	icp data	ICB				07/01/24 09:45	1.0		
012	icp data	CRI				07/01/24 09:48	1.0	10	
013	icp data	ICSA				07/01/24 09:51	1.0	11	6:MGASMGCO3=1400
014	icp data	ICSAB				07/01/24 09:54	1.0	12	6:MGASMGCO3=1300
015	icp data	BLANK	QC1165563	Soil	344008	07/01/24 09:57	1.0	13	
016	icp data	LCS	QC1165564	Soil	344008	07/01/24 10:00	1.0	13	
017	icp data	MSS	511171-001	Soil	344008	07/01/24 10:04	1.0	13	6:ALASAL2O3=370
018	icp data	MS	QC1165565	Soil	344008	07/01/24 10:07	1.0	13	6:ALASAL2O3=410
019	icp data	MSD	QC1165566	Soil	344008	07/01/24 10:10	1.0	13	6:ALASAL2O3=410
020	icp data	PDS	QC1165567	Soil	344008	07/01/24 10:13	1.0	13	6:ALASAL2O3=360
021	icp data	SAMPLE	511185-001	Soil	344008	07/01/24 10:16	1.0	13	3:FE=210
022	icp data	SAMPLE	511215-001	Miscell.	344008	07/01/24 10:19	1.0	13	3:FE=140
023	icp data	SAMPLE	511215-006	Miscell.	344008	07/01/24 10:22	1.0	13	3:FE=140
024	icp data	SAMPLE	511248-001	Miscell.	344008	07/01/24 10:25	1.0	13	3:CA=1500
025	icp data	CCV				07/01/24 10:28	1.0	9	
026	icp data	CCB				07/01/24 10:32	1.0		
027	icp data	SAMPLE	511094-001	Miscell.	344008	07/01/24 10:35	1.0	13	6:FE=480
028	icp data	SAMPLE	511094-002	Miscell.	344008	07/01/24 10:38	1.0	13	6:FE=640
029	icp data	SAMPLE	511094-003	Miscell.	344008	07/01/24 10:41	1.0	13	6:FE=320
030	icp data	SAMPLE	511119-001	Soil	344008	07/01/24 10:44	1.0	13	2:FE=110
031	icp data	SAMPLE	511119-002	Soil	344008	07/01/24 10:47	1.0	13	2:FE=120
032	icp data	SAMPLE	511119-003	Soil	344008	07/01/24 10:50	1.0	13	2:FE=120
033	icp data	SAMPLE	511121-003	Soil	344008	07/01/24 10:53	1.0	13	2:FE=290
034	icp data	SAMPLE	511175-001	Soil	344008	07/01/24 10:57	1.0	13	2:FE=290
035	icp data	SAMPLE	511175-002	Soil	344008	07/01/24 11:00	1.0	13	2:FE=120
036	icp data	SAMPLE	511227-001	Soil	344008	07/01/24 11:03	1.0	13	3:FE=170
037	icp data	CCV				07/01/24 11:06	1.0	9	
038	icp data	CCB				07/01/24 11:09	1.0		
039	icp data	SAMPLE	511227-002	Soil	344008	07/01/24 11:12	1.0	13	3:FE=160
040	icp data	SAMPLE	511227-003	Soil	344008	07/01/24 11:15	1.0	13	3:FE=210
041	icp data	BLANK	QC1165892	Wipe	344090	07/01/24 11:21	1.0	13	
042	icp data	BS	QC1165893	Wipe	344090	07/01/24 11:24	1.0	13	
043	icp data	BSD	QC1165894	Wipe	344090	07/01/24 11:27	1.0	13	
044	icp data	SAMPLE	510950-004	Wipe	344090	07/01/24 11:30	1.0	13	2:ZN=75
045	icp data	SAMPLE	510950-006	Wipe	344090	07/01/24 11:33	1.0	13	2:ZN=210
046	icp data	SAMPLE	510950-008	Wipe	344090	07/01/24 11:37	1.0	13	2:ZN=380
047	icp data	SAMPLE	510950-009	Wipe	344090	07/01/24 11:40	1.0	13	2:ZN=360
048	icp data	SAMPLE	510950-011	Wipe	344090	07/01/24 11:43	1.0	13	1:FE=64
049	icp data	CCV				07/01/24 11:46	1.0	9	
050	icp data	XCCB				07/01/24 11:49	1.0		
051	icp data	CCB				07/01/24 11:55	1.0		
052	icp data	SAMPLE	510951-003	Wipe	344090	07/01/24 11:58	1.0	13	2:ZN=130
053	icp data	SAMPLE	510951-005	Wipe	344090	07/01/24 12:01	1.0	13	2:ZN=340
054	icp data	SAMPLE	510951-006	Wipe	344090	07/01/24 12:05	1.0	13	2:ZN=270
055	icp data	SAMPLE	510951-008	Wipe	344090	07/01/24 12:08	1.0	13	1:FE=85

Instrument: MET12
Method: EPA 6010B

Begun: 07/01/24 09:13

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
056	icp data	SAMPLE	510951-010	Wipe	344090	07/01/24 12:11	1.0	13	2:ZN=130
057	icp data	SAMPLE	510951-012	Wipe	344090	07/01/24 12:14	1.0	13	2:ZN=190
058	icp data	SAMPLE	511162-002	Wipe	344120	07/01/24 12:17	2.0	13	2:ZN=270
059	icp data	SAMPLE	511162-007	Wipe	344120	07/01/24 12:20	2.0	13	2:ZN=240
060	icp data	SAMPLE	511162-009	Wipe	344120	07/01/24 12:23	2.0	13	2:ZN=270
061	icp data	SAMPLE	511284-002	Miscell.	344074	07/01/24 12:26	1.0	13	2:AL=120
062	icp data	CCV				07/01/24 12:30	1.0	9	
063	icp data	CCB				07/01/24 12:33	1.0		
064	icp data	BLANK	QC1165904	Water	344093	07/01/24 12:36	1.0	13	
065	icp data	LCS	QC1165905	Water	344093	07/01/24 12:39	1.0	13	
066	icp data	MSS	511288-001	Water	344093	07/01/24 12:42	1.0	13	3:CAASCACO3=620
067	icp data	MS	QC1165906	Water	344093	07/01/24 12:45	1.0	13	3:CAASCACO3=660
068	icp data	MSD	QC1165907	Water	344093	07/01/24 12:48	1.0	13	3:CAASCACO3=660
069	icp data	SAMPLE	511288-002	Water	344093	07/01/24 12:51	1.0	13	1:FE=42
070	icp data	SAMPLE	511288-003	Water	344093	07/01/24 12:55	1.0	13	
071	icp data	SAMPLE	511094-001	Miscell.	344008	07/01/24 12:58	100.0	13	
072	icp data	SAMPLE	511094-002	Miscell.	344008	07/01/24 13:01	100.0	13	
073	icp data	SAMPLE	511094-003	Miscell.	344008	07/01/24 13:04	100.0	13	
074	icp data	CCV				07/01/24 13:07	1.0	9	
075	icp data	CCB				07/01/24 13:10	1.0		
076	icp data	BLANK	QC1165545	Soil	344003	07/01/24 13:47	1.0	13	
077	icp data	LCS	QC1165546	Soil	344003	07/01/24 13:50	1.0	13	
078	icp data	MSS	511220-001	Soil	344003	07/01/24 13:53	1.0	13	4:FEASFE2O3=120
079	icp data	MS	QC1165547	Soil	344003	07/01/24 13:56	1.0	13	4:FEASFE2O3=130
080	icp data	MSD	QC1165548	Soil	344003	07/01/24 14:00	1.0	13	4:FEASFE2O3=130
081	icp data	PDS	QC1165549	Soil	344003	07/01/24 14:03	1.0	13	4:FEASFE2O3=120
082	icp data	SAMPLE	511220-002	Soil	344003	07/01/24 14:06	1.0	13	2:FE=56
083	icp data	SAMPLE	511223-001	Soil	344003	07/01/24 14:09	1.0	13	3:FE=220
084	icp data	SAMPLE	511223-002	Soil	344003	07/01/24 14:12	1.0	13	3:FE=250
085	icp data	CCV				07/01/24 14:15	1.0	9	
086	icp data	CCB				07/01/24 14:18	1.0		
087	icp data	BLANK	QC1165765	Soil	344061	07/01/24 14:21	1.0	13	
088	icp data	LCS	QC1165766	Soil	344061	07/01/24 14:25	1.0	13	
089	icp data	SAMPLE	511098-004	Soil	344061	07/01/24 14:28	1.0	13	2:FE=100
090	icp data	SAMPLE	511098-005	Soil	344061	07/01/24 14:31	1.0	13	2:FE=99
091	icp data	MSS	511182-001	Miscell.	344061	07/01/24 14:34	1.0	13	6:MO=170
092	icp data	MS	QC1165767	Miscell.	344061	07/01/24 14:37	1.0	13	6:MO=170
093	icp data	MSD	QC1165768	Miscell.	344061	07/01/24 14:40	1.0	13	6:MO=180
094	icp data	PDS	QC1165769	Miscell.	344061	07/01/24 14:43	1.0	13	6:MO=170
095	icp data	SAMPLE	511190-002	Miscell.	344061	07/01/24 14:46	1.0	13	2:AL=32
096	icp data	SAMPLE	511193-001	Soil	344061	07/01/24 14:49	1.0	13	2:FE=110
097	icp data	CCV				07/01/24 14:53	1.0	9	
098	icp data	CCB				07/01/24 14:56	1.0		
099	icp data	SAMPLE	511194-001	Soil	344061	07/01/24 14:59	1.0	13	2:FE=110
100	icp data	SAMPLE	511195-005	Soil	344061	07/01/24 15:02	1.0	13	3:FE=220
101	icp data	SAMPLE	511207-001	Soil	344061	07/01/24 15:05	1.0	13	2:FE=140
102	icp data	SAMPLE	511209-001	Soil	344061	07/01/24 15:08	1.0	13	2:FE=180
103	icp data	SAMPLE	511233-001	Soil	344061	07/01/24 15:11	1.0	13	2:FE=250
104	icp data	SAMPLE	511241-002	Miscell.	344061	07/01/24 15:14	1.0	13	2:FE=190
105	icp data	CCV				07/01/24 15:18	1.0	9	
106	icp data	CCB				07/01/24 15:21	1.0		
107	icp data	MSS	511182-001	Miscell.	344061	07/01/24 16:02	100.0	13	
108	icp data	MS	QC1165767	Miscell.	344061	07/01/24 16:05	100.0	13	
109	icp data	MSD	QC1165768	Miscell.	344061	07/01/24 16:09	100.0	13	
110	icp data	PDS	QC1165769	Miscell.	344061	07/01/24 16:12	100.0	13	

Instrument: MET12		Begun: 07/01/24 09:13							
Method: EPA 6010B									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	StdS Used	
111	icp data	CCV				07/01/24 16:15	1.0	9	
112	icp data	CCB				07/01/24 16:18	1.0		

SBW 07/01/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 063.

SBW 07/02/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 064 through 112.

Standards Used:

1=S20849 2=S20848 3=S20847 4=S20846 5=S20845 6=S20614 7=S20782 8=S20759 9=S21056 10=S20459 11=S20577 12=S21007 13=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 510950-004	Client ID: ARCH-SGE-DG-6 TO 16-240627-L-LA
Seqnum: 794264073044	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 344090	Time: 01-JUL-2024 11:30
Cal: 794264073001	Caldate: 01-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.09 ft2 ⇒ 50.0 ml = 45.98 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	3.013	140	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	119401	-11.09

U=use

Label: 510950-004.344090	Rack: Tube: 1:26	Type: Sample
Date Time: 7/1/2024 11:30:48 AM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: _____	Customer: _____	Customer Ref.: _____
Sample Date Time: _____	Sample Site: _____	Description: _____
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00008201	0.00008201	mg/L	37.31790730	0.00016530	201.57119909	6.75651452	18.11		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515
Al 396.152	Al	n	2.84931053	2.84931053	mg/L	109736.31243177	0.00748181	0.26258311	287.73047691	0.26	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835
As 188.980	As	n	0.03893410	0.03893410	mg/L	175.58254622	0.00227582	5.84531936	10.49368040	5.98	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878
B 249.678	B	n	0.01179847	0.01179847	mg/L	706.81990056	0.00035160	2.98006284	12.21147748	1.73	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383
Ba 230.424	Ba	n	0.02481881	0.02481881	mg/L	3351.16976612	0.00012340	0.49722067	16.30012839	0.49	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378
Be 313.107	Be	n	0.00022372	0.00022372	mg/L	244.31799144	0.00000635	2.84004585	7.58012694	3.10	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46377
Ca 317.933	Ca-R	n	14.12332692	14.12332692	mg/L	91534.69648555	0.02368856	0.16772649	152.26520134	0.17	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475743
Cd 214.439	Cd	n	0.00016403	0.00016403	mg/L	241.74230444	0.00008024	48.91878127	15.29258309	6.33	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859
Co 230.786	Co	n	0.00851489	0.00851489	mg/L	488.54637728	0.00005972	0.70134075	2.92558144	0.60	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466
Cr 267.716	Cr	n	0.03251391	0.03251391	mg/L	1522.54400925	0.00037277	1.14649026	17.89057369	1.18	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987
Cu 324.754	Cu	n	0.32317112	0.32317112	mg/L	13455.82889844	0.00088976	0.27532239	34.80800303	0.26	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210
Fe 259.940	Fe	no	67.05165406	67.05165406	mg/L	2322414.10214988	0.10631536	0.15855740	3682.24363830	0.16	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449
K 766.491	K-R	n	Uncal	Uncal		1413.23165678	-	-	27.88089584	1.97	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575
Li 670.783	Li-R	n	0.01271044	0.01271044	mg/L	351.78715923	0.00093202	7.33272604	33.10777351	9.41	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243
Mg 279.800	Mg-R	n	4.16897366	4.16897366	mg/L	1874.11054116	0.01373562	0.32947241	6.15533258	0.33	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652
Mn 257.610	Mn	n	0.38963794	0.38963794	mg/L	141063.69750324	0.00106937	0.27445219	386.17099567	0.27	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552
Mo 204.598	Mo	n	0.00384575	0.00384575	mg/L	54.23705979	0.00035674	9.27618692	4.85300535	8.95	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854
Na 589.592	Na-R	n	2.51716136	2.51716136	mg/L	11059.15491517	0.00469948	0.18669762	20.78470446	0.19	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402
Ni 231.604	Ni	n	0.09119223	0.09119223	mg/L	1777.08619654	0.00049524	0.54307267	9.60965851	0.54	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993
P 177.434	P	n	0.58798461	0.58798461	mg/L	51.18420134	0.02344734	3.98774706	1.99165470	3.89		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437
Pb 220.353	Pb	n	3.01279043	3.01279043	mg/L	31381.13231577	0.00768306	0.25501463	79.93212347	0.25	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276
S 181.972	S	n	5.13703363	5.13703363	mg/L	5845.46319117	0.04810190	0.93637506	53.00861617	0.91		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665894
Sb 206.834	Sb	n	0.00678363	0.00678363	mg/L	4.65322156	0.00091842	13.53878961	3.20470554	68.87	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955
Se 196.026	Se	n	0.00506135	0.00506135	mg/L	42.52887472	0.00268610	53.07074975	9.05810545	21.30	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350
Si 251.611	Si	n	6.81187642	6.81187642	mg/L	23243.40401444	0.04833441	0.70956091	161.24710060	0.69		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466
Sn 189.925	Sn	n	0.04968092	0.04968092	mg/L	518.68324657	0.00077818	1.56635746	7.66092097	1.48	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202
Sr 421.552	Sr-R	n	0.02408375	0.02408375	mg/L	4569.67088531	0.00003179	0.13201332	5.67755272	0.12	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300
Ti 334.941	Ti	n	0.19819566	0.19819566	mg/L	41114.94439840	0.01594122	8.04317326	3301.31309465	8.03	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733
Tl 190.794	Tl	nu	-0.00316302	-0.00316302	mg/L	-7.63616653	0.00078518	24.82361534	3.42084389	44.80	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498
V 292.401	V	n	0.00685158	0.00685158	mg/L	117.38141351	0.00026156	3.81756248	7.68247740	6.54	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727
Zn 206.200	Zn	no	75.10136133	75.10136133	mg/L	2296220.42431001	0.11731955	0.15621494	3586.25439429	0.16	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181
Y 371.029	Y		0.89	0.89	Ratio	119400.63	0.01	1.24	1478.46	1.24		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	21499.41	0.00	0.48	102.19	0.48		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 510950-006	Client ID: DOOR-S-15.3GE-DG-6 TO 20-240627-L-LA
Seqnum: 794264073045	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 344090	Time: 01-JUL-2024 11:33
Cal: 794264073001	Caldate: 01-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.03 ft2 ⇒ 50.0 ml = 48.66 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	6.268	300	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	119241	-11.21

U=use

Label: 510950-006.344090	Rack:Tube: 1:27	Type: Sample
Date Time: 7/1/2024 11:33:56 AM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID:	Customer:	Customer Ref.:
Sample Date Time:	Sample Site:	Description:
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coeffi
Ag 328.068	Ag	nu	0.00012659	0.00012659	mg/L	40.41603866	0.00017101	135.09584089	6.99011121	17.30		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149
Al 396.152	Al	n	2.85718996	2.85718996	mg/L	109960.77590545	0.00495363	0.17337423	190.50349508	0.17	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444
As 188.980	As	n	0.03032944	0.03032944	mg/L	135.94178854	0.00149448	4.92750661	6.89098048	5.07	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989
B 249.678	B	n	0.01238704	0.01238704	mg/L	731.07581603	0.00017187	1.38747232	5.96910112	0.82	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949
Ba 230.424	Ba	n	0.02712097	0.02712097	mg/L	3653.32559194	0.00009390	0.34622819	12.40305198	0.34	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267
Be 313.107	Be	n	0.00005734	0.00005734	mg/L	46.30507046	0.00000455	7.93981372	5.43122431	11.73	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46
Ca 317.933	Ca-R	n	10.31478818	10.31478818	mg/L	67038.95156754	0.01402211	0.13594184	90.13126551	0.13	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475
Cd 214.439	Cd	n	0.00054301	0.00054301	mg/L	259.52731040	0.00005035	9.27265423	9.59608484	3.70	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498
Co 230.786	Co	n	0.00577104	0.00577104	mg/L	346.45623684	0.00027203	4.71372207	13.32668879	3.85	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	49898.6240
Cr 267.716	Cr	n	0.02498364	0.02498364	mg/L	1160.41084974	0.00015499	0.62037012	7.43860332	0.64	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568
Cu 324.754	Cu	n	0.19796881	0.19796881	mg/L	8576.54609037	0.0020549	0.10379690	8.03870682	0.09	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575
Fe 259.940	Fe	no	44.27993913	44.27993913	mg/L	1533710.94776761	0.021498922	0.48552284	7446.17410260	0.49	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050
K 766.491	K-R	n	Uncal	Uncal	mg/L	1586.13668321	-	-	28.98284368	1.83	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906
Li 670.783	Li-R	n	0.01778155	0.01778155	mg/L	530.63445497	0.00030408	1.71011393	10.80186580	2.04	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444
Mg 279.800	Mg-R	n	3.69796127	3.69796127	mg/L	1658.92833284	0.01675633	0.45312342	7.50900144	0.45	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276
Mn 257.610	Mn	n	0.27727414	0.27727414	mg/L	100426.86939096	0.00196282	0.70789838	708.81350624	0.71	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137
Mo 204.598	Mo	n	0.00301606	0.00301606	mg/L	43.24291890	0.00027834	9.22859566	3.78647746	8.76	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055
Na 589.592	Na-R	n	2.80298646	2.80298646	mg/L	12324.36241601	0.00821431	0.29305548	36.32995436	0.29	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646
Ni 231.604	Ni	n	0.07157913	0.07157913	mg/L	1392.56091511	0.00038675	0.54030605	7.50444253	0.54	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411
P 177.434	P	n	0.70442824	0.70442824	mg/L	61.08447488	0.00980807	1.39234418	0.83311287	1.36		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086
Pb 220.353	Pb	n	6.26768604	6.26768604	mg/L	65241.49378826	0.03034415	0.48413638	315.69106272	0.48	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883
S 181.972	S	n	5.57369849	5.57369849	mg/L	6327.04724073	0.03207336	0.57544127	35.34505761	0.56		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665
Sb 206.834	Sb	nu	-0.00650957	-0.00650957	mg/L	-45.28682686	0.00157147	24.14098035	5.48344271	12.11	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372
Se 196.026	Se	n	0.00565396	0.00565396	mg/L	46.62711943	0.00069841	12.35251280	2.35518110	5.05	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031
Si 251.611	Si	n	5.26220885	5.26220885	mg/L	18073.76512404	0.02518584	0.47861728	84.02178967	0.46		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242
Sn 189.925	Sn	n	0.03994361	0.03994361	mg/L	422.02846908	0.00033930	0.84945103	3.34030447	0.79	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341
Sr 421.552	Sr-R	n	0.01875204	0.01875204	mg/L	3609.62714972	0.00016698	0.89047334	29.81869761	0.83	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417
Ti 334.941	Ti	n	0.15662552	0.15662552	mg/L	32505.32366838	0.00952157	6.07919374	1971.84900291	6.07	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873
Tl 190.794	Tl	nu	-0.00243152	-0.00243152	mg/L	-4.44096157	0.00052372	21.53879542	2.28173549	51.38	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942
V 292.401	V	n	0.00752071	0.00752071	mg/L	156.32048578	0.00017430	2.31753708	5.11929144	3.27	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798
Zn 206.200	Zn	no	208.84409937	208.84409937	mg/L	6384343.37486458	1.06746417	0.51112968	32630.52243189	0.51	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600
Y 371.029	Y		0.89	0.89	Ratio	119240.76	0.01	0.99	1176.15	0.99		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.91	0.91	Ratio	21394.43	0.00	0.41	88.18	0.41		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 510950-008	Client ID: DOOR-S-15.1GE-EXT-5 TO 6-240627-L-CB
Seqnum: 794264073046	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 344090	Time: 01-JUL-2024 11:37
Cal: 794264073001	Caldate: 01-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 $\Rightarrow$ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	5.517	280	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	117700	-12.36

U=use

Label: 510950-008,344090

Rack/Tube: 1:28

Type: Sample

Date Time: 7/1/2024 11:37:03 AM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date Time:

Sample Site:

Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coeffi
Ag 328.068	Ag	n	0.00466721	0.00466721	mg/L	226.58942861	0.00040347	8.64488628	16.49187648	7.28		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149
Al 396.152	Al	n	4.07884881	4.07884881	mg/L	156926.24466690	0.00908629	0.22276594	349.43442747	0.22	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444
As 188.980	As	n	0.04423098	0.04423098	mg/L	200.06535385	0.00159243	3.60026852	7.34261724	3.67	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989
B 249.678	B	n	0.01610987	0.01610987	mg/L	861.98520591	0.00017767	1.10283484	6.17048945	0.72	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949
Ba 230.424	Ba	n	0.03055556	0.03055556	mg/L	4106.66634672	0.00006203	0.20302065	8.19391306	0.20	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267
Be 313.107	Be	n	0.00010890	0.00010890	mg/L	107.90736432	0.00001837	16.87126273	21.91906070	20.31	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46
Ca 317.933	Ca-R	n	11.51763989	11.51763989	mg/L	74764.87152152	0.04258578	0.36974398	273.73265306	0.37	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475
Cd 214.439	Cd	n	0.00234831	0.00234831	mg/L	583.22679265	0.00009276	3.95013920	17.67881552	3.03	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498
Co 230.786	Co	n	0.00576977	0.00576977	mg/L	343.60023427	0.00021451	3.71785365	10.50884205	3.06	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240
Cr 267.716	Cr	n	0.02396893	0.02396893	mg/L	1111.61420980	0.00031845	1.32860462	15.28372020	1.37	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568
Cu 324.754	Cu	n	0.33786270	0.33786270	mg/L	14056.69154137	0.00088849	0.26297270	34.75809297	0.25	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575
Fe 259.940	Fe	no	35.35242701	35.35242701	mg/L	1224506.82100282	0.15299586	0.43277329	5299.02778774	0.43	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050
K 766.491	K-R	n	Uncal	Uncal	mg/L	1806.62947112	-	-	1.62836634	0.09	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906
Li 670.783	Li-R	n	0.01446467	0.01446467	mg/L	412.84861756	0.00028062	1.94004499	9.96837547	2.41	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444
Mg 279.800	Mg-R	n	4.48102820	4.48102820	mg/L	2008.31675645	0.01479170	0.33009604	6.62859232	0.33	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276
Mn 257.610	Mn	n	0.29419549	0.29419549	mg/L	106515.78434070	0.00409308	1.39128002	1478.09471021	1.39	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137
Mo 204.598	Mo	n	0.00308067	0.00308067	mg/L	44.42956475	0.00018695	6.06833361	2.54317053	5.72	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055
Na 589.592	Na-R	n	3.35773455	3.35773455	mg/L	14778.09698539	0.00887154	0.26421219	39.23676768	0.27	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646
Ni 231.604	Ni	n	0.07293151	0.07293151	mg/L	1417.42311859	0.00039554	0.54234368	7.67506321	0.54	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411
P 177.434	P	n	0.82072466	0.82072466	mg/L	70.96875943	0.01428163	1.74012438	1.21310462	1.71		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086
Pb 220.353	Pb	n	5.51659487	5.51659487	mg/L	57424.90719373	0.03538010	0.64133948	368.08354199	0.64	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883
S 181.972	S	n	6.31948235	6.31948235	mg/L	7149.39499380	0.04689619	0.74208908	51.67991203	0.72		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665
Sb 206.834	Sb	nu	-0.18456320	-0.18456320	mg/L	-667.97190843	0.00175721	0.95209283	6.13155543	0.92	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372
Se 196.026	Se	n	0.00772546	0.00772546	mg/L	54.43522371	0.00126765	16.40878871	4.27480843	7.85	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031
Si 251.611	Si	n	7.98502822	7.98502822	mg/L	27157.38422318	0.20767001	2.60074240	692.80221006	2.55		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242
Sn 189.925	Sn	n	0.06776185	0.06776185	mg/L	695.62036825	0.00065285	0.96345470	6.42712893	0.92	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341
Sr 421.552	Sr-R	n	0.02580190	0.02580190	mg/L	4870.02210264	0.00005925	0.22963089	10.58037809	0.22	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417
Ti 334.941	Ti	n	0.18872445	0.18872445	mg/L	39152.49668416	0.02332649	12.36007932	4830.75028169	12.34	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873
Tl 190.794	Tl	n	0.00257647	0.00257647	mg/L	17.39498622	0.00073223	28.42003459	3.19018796	18.34	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942
V 292.401	V	n	0.01017447	0.01017447	mg/L	241.68331408	0.00018597	1.82778142	5.46211102	2.26	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798
Zn 206.200	Zn	no	379.25547203	379.25547203	mg/L	11593462.92498080	2.24700767	0.59247864	68687.11473197	0.59	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600
Y 371.029	Y		0.88	0.88	Ratio	117699.76	0.01	0.97	1144.10	0.97		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.90	0.90	Ratio	21217.53	0.00	0.24	50.32	0.24		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 510950-009	Client ID: DOOR-S-15.1GE-EXT-5 TO 6-240627-L-DUP-CB
Seqnum: 794264073047	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 344090	Time: 01-JUL-2024 11:40
Cal: 794264073001	Caldate: 01-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 $\Rightarrow$ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	6.030	300	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	118548	-11.73

U=use

Label: 510950-009,344090

Rack/Tube: 1:29

Type: Sample

Date Time: 7/1/2024 11:40:10 AM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: _____

Customer: _____

Customer Ref.: _____

Sample Date
Time: _____

Sample Site: _____

Description: _____

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coeffi
Ag 328.068	Ag	n	0.00411851	0.00411851	mg/L	201.95587108	0.00019328	4.69289087	7.90012526	3.91		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149
Al 396.152	Al	n	3.89855051	3.89855051	mg/L	150080.94311292	0.01256762	0.32236658	483.31745126	0.32	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444
As 188.980	As	n	0.05402948	0.05402948	mg/L	245.19352187	0.00100693	1.86366108	4.64287750	1.89	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989
B 249.678	B	n	0.01384017	0.01384017	mg/L	777.08020331	0.00060685	4.38472334	21.07660729	2.71	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949
Ba 230.424	Ba	n	0.04381288	0.04381288	mg/L	5860.45628958	0.00000576	0.01315121	0.76107674	0.01	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267
Be 313.107	Be	n	0.00015510	0.00015510	mg/L	162.39048834	0.00001550	9.99490748	18.49432064	11.39	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46
Ca 317.933	Ca-R	n	10.66693469	10.66693469	mg/L	69320.07926101	0.00288637	0.02705901	18.55297615	0.03	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475
Cd 214.439	Cd	n	0.00196791	0.00196791	mg/L	594.08080065	0.00006051	3.07459904	11.53134283	1.94	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498
Co 230.786	Co	n	0.00834173	0.00834173	mg/L	481.20547188	0.00027011	3.23807601	13.23266275	2.75	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240
Cr 267.716	Cr	n	0.03803633	0.03803633	mg/L	1787.50698315	0.00060963	1.60276866	29.25864572	1.64	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568
Cu 324.754	Cu	n	0.50013931	0.50013931	mg/L	20376.03906789	0.00130639	0.26120563	51.10678516	0.25	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575
Fe 259.940	Fe	no	69.90149694	69.90149694	mg/L	2421116.83037431	0.14689275	0.21014249	5087.64573966	0.21	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050
K 766.491	K-R	n	Uncal	Uncal	mg/L	1408.38688977	-	-	67.36880937	4.78	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906
Li 670.783	Li-R	n	0.01308805	0.01308805	mg/L	364.94708679	0.00027882	2.13030512	9.90423233	2.71	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444
Mg 279.800	Mg-R	n	4.21560664	4.21560664	mg/L	1895.63991505	0.01888291	0.44792872	8.46198604	0.45	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276
Mn 257.610	Mn	n	0.43590977	0.43590977	mg/L	157782.31328689	0.00331620	0.76075358	1197.54631618	0.76	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137
Mo 204.598	Mo	n	0.00338143	0.00338143	mg/L	48.02515087	0.00044122	13.04828589	6.00224506	12.50	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055
Na 589.592	Na-R	n	2.86638338	2.86638338	mg/L	12603.55571834	0.00218304	0.07616018	9.65508835	0.08	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646
Ni 231.604	Ni	n	0.10961023	0.10961023	mg/L	2135.02354736	0.00050011	0.45626644	9.70424563	0.45	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411
P 177.434	P	n	0.74360649	0.74360649	mg/L	64.39919779	0.03468160	4.66397239	2.94591103	4.57		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086
Pb 220.353	Pb	n	6.02988469	6.02988469	mg/L	62769.28004272	0.02041336	0.33853642	212.37418916	0.34	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883
S 181.972	S	n	5.04616054	5.04616054	mg/L	5745.17437940	0.03896356	0.77214261	42.93809777	0.75		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665
Sb 206.834	Sb	nu	-0.12221031	-0.12221031	mg/L	-444.92017590	0.00304060	2.48800259	10.60974468	2.38	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372
Se 196.026	Se	n	0.00596175	0.00596175	mg/L	45.22944536	0.00093584	15.69747487	3.15587126	6.98	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031
Si 251.611	Si	n	6.95554427	6.95554427	mg/L	23722.71301140	0.17385135	2.49946434	579.98069120	2.44		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242
Sn 189.925	Sn	n	0.09026659	0.09026659	mg/L	918.35359160	0.00063840	0.70723606	6.28480567	0.68	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341
Sr 421.552	Sr-R	n	0.02337842	0.02337842	mg/L	4438.21316473	0.00014246	0.60936528	25.43970357	0.57	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417
Ti 334.941	Ti	n	0.18903457	0.18903457	mg/L	39218.10449131	0.00913376	4.83179546	1891.53740972	4.82	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873
Tl 190.794	Tl	n	0.00193702	0.00193702	mg/L	14.58501994	0.00028952	14.94656579	1.26136713	8.65	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942
V 292.401	V	n	0.00834544	0.00834544	mg/L	157.97113243	0.00022299	2.67199161	6.54950600	4.15	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798
Zn 206.200	Zn	no	362.74653154	362.74653154	mg/L	11089057.58856580	2.59415547	0.71514274	79298.81887558	0.72	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600
Y 371.029	Y		0.88	0.88	Ratio	118548.43	0.01	0.98	1161.12	0.98		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.90	0.90	Ratio	21197.57	0.00	0.20	42.16	0.20		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 510950-011	Client ID: DOOR-S-15.2GE-PS-19-240627-L-G
Seqnum: 794264073048	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 344090	Time: 01-JUL-2024 11:43
Cal: 794264073001	Caldate: 01-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.08 ft2 ⇒ 50.0 ml = 46.18 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.375	110	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	134295	120595	-10.20

U=use

Label: 510950-011,344090	Rack/Tube: 1:30	Type: Sample
Date Time: 7/1/2024 11:43:17 AM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: _____	Customer: _____	Customer Ref.: _____
Sample Date Time: _____	Sample Site: _____	Description: _____
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient
Ag 328.068	Ag	nu	-0.00009639	-0.00009639	mg/L	29.95440225	0.00017063	177.02271398	6.97461303	23.28		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951
Al 396.152	Al	n	1.41086247	1.41086247	mg/L	54374.05406826	0.01124704	0.79717466	432.53121766	0.80	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483
As 188.980	As	n	0.03538874	0.03538874	mg/L	159.22120160	0.00100178	2.83079652	4.61916187	2.90	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987
B 249.678	B	n	0.01176526	0.01176526	mg/L	705.83531577	0.00076244	6.48042378	26.48024909	3.75	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938
Ba 230.424	Ba	n	0.01577920	0.01577920	mg/L	2156.26150340	0.00012516	0.79320102	16.53214746	0.77	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737
Be 313.107	Be	n	0.00004277	0.00004277	mg/L	28.68470531	0.00001281	29.94824106	15.28088072	53.27	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637
Ca 317.933	Ca-R	n	6.75414808	6.75414808	mg/L	44165.13964759	0.01077088	0.15947054	69.23298397	0.16	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574
Cd 214.439	Cd	nu	0.00001553	0.00001553	mg/L	206.09117314	0.00007337	472.45731190	13.98265920	6.78	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885
Co 230.786	Co	n	0.00893991	0.00893991	mg/L	508.17285097	0.00017796	1.99063582	8.71824883	1.72	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046
Cr 267.716	Cr	n	0.03546397	0.03546397	mg/L	1663.60816457	0.00032475	0.91572447	15.58607894	0.94	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898
Cu 324.754	Cu	n	0.11399389	0.11399389	mg/L	5274.541115061	0.00132426	1.16169490	51.80583716	0.98	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521
Fe 259.940	Fe	no	64.38068207	64.38068207	mg/L	2229899.75790788	0.38040325	0.59086552	13175.30657465	0.59	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044
K 766.491	K-R	n	Uncal	Uncal	mg/L	1397.29356665	-	-	21.42165704	1.53	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657
Li 670.783	Li-R	n	0.01169294	0.01169294	mg/L	314.38879217	0.00112178	9.59363900	39.84841873	12.67	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424
Mg 279.800	Mg-R	n	3.00685851	3.00685851	mg/L	1352.75451031	0.01900235	0.63196683	8.51550866	0.63	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665
Mn 257.610	Mn	n	0.39999110	0.39999110	mg/L	144793.03384067	0.00183766	0.45942462	663.61517190	0.46	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.13755
Mo 204.598	Mo	n	0.00222736	0.00222736	mg/L	31.93710944	0.00027585	12.38479969	3.75266287	11.75	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585
Na 589.592	Na-R	n	2.58608417	2.58608417	mg/L	11364.46498105	0.01883155	0.72818786	83.28755188	0.73	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640
Ni 231.604	Ni	n	0.04180719	0.04180719	mg/L	818.11746531	0.00031774	0.76001032	6.16542028	0.75	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199
P 177.434	P	n	0.65380803	0.65380803	mg/L	56.77194678	0.03310927	5.06406640	2.81235488	4.95		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643
Pb 220.353	Pb	n	2.37457284	2.37457284	mg/L	24743.38994791	0.01423713	0.59956603	148.11868636	0.60	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327
S 181.972	S	n	5.36114077	5.36114077	mg/L	6091.76937840	0.06134933	1.14433343	67.60736580	1.11		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.0066589
Sb 206.834	Sb	n	0.00830332	0.00830332	mg/L	9.58499440	0.00231850	27.92262834	8.09010367	84.40	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295
Se 196.026	Se	n	0.00578921	0.00578921	mg/L	45.19457613	0.00053721	9.27949942	1.81158796	4.01	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2203135
Si 251.611	Si	n	3.56217070	3.56217070	mg/L	12402.11605019	0.01846913	0.51847966	61.61435763	0.50		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0724246
Sn 189.925	Sn	n	0.03405282	0.03405282	mg/L	364.66640552	0.00080164	2.35411892	7.89190597	2.16	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6534120
Sr 421.552	Sr-R	n	0.01163775	0.01163775	mg/L	2334.54324191	0.00009012	0.77436214	16.09282959	0.69	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.41730
Ti 334.941	Ti	n	0.07865258	0.07865258	mg/L	16358.47215580	0.00629679	8.00582866	1304.02048659	7.97	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.87373
Tl 190.794	Tl	nu	-0.00262864	-0.00262864	mg/L	-5.33468746	0.00080421	30.59424733	3.50378697	65.68	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7894249
V 292.401	V	n	0.00621559	0.00621559	mg/L	100.80733557	0.00033366	5.36813194	9.80008294	9.72	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872
Zn 206.200	Zn	n	7.16155249	7.16155249	mg/L	219396.60722473	0.02122211	0.29633397	648.72305978	0.30	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018
Y 371.029	Y		0.90	0.90	Ratio	120594.64	0.01	1.35	1623.56	1.35		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21861.91	0.00	0.09	18.61	0.09		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	Lab ID: QC1165892	
Seqnum: 794264073041.1	Matrix: Wipe	
File: icp data	Batch: 344090	Time: 01-JUL-2024 11:21
Cal: 794264073001	Caldate: 01-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.002555	ND	0.50	U

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	134295	121589	-9.46

U=use

Label: BLANK, QC1165892, 344090 Rack/Tube: 1:23 Type: Sample
Date Time: 7/1/2024 11:21:26 AM Weight: 1 Volume: 1
Dilution: 1 %RSE limit: - Calibration Coefficient [3]: -
LIMS ID: Customer: Customer Ref.:
Sample Date: Sample Site: Description:
Time:
Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00025845	-0.00025845	mg/L	26.94306256	0.00007147	27.65482729	2.92146927	10.84		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515342
Al 396.152	Al	n	0.03202067	0.03202067	mg/L	1147.22076190	0.00064470	2.01337696	24.79332701	2.16	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835542
As 188.980	As	n	0.00293326	0.00293326	mg/L	9.64925019	0.00093040	31.71908816	4.29003862	44.46	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878196
B 249.678	B	nu	-0.00509231	-0.00509231	mg/L	130.74147059	0.00000806	0.15834765	0.28005519	0.21	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383531
Ba 230.424	Ba	n	0.00023657	0.00023657	mg/L	97.51543593	0.00011021	46.58724178	14.55740503	14.93	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378332
Be 313.107	Be	n	0.00002531	0.00002531	mg/L	9.22219411	0.00000516	20.39066443	6.15680771	66.76	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46377777
Ca 317.933	Ca-R	n	0.03236104	0.03236104	mg/L	917.18621962	0.00078253	2.41812880	5.02995204	0.55	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	nu	-0.00011675	-0.00011675	mg/L	31.48389463	0.00003846	32.94443067	7.33030135	23.28	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859581
Co 230.786	Co	nu	-0.00010338	-0.00010338	mg/L	44.11768269	0.00018746	181.32961532	9.18367037	20.82	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466362
Cr 267.716	Cr	n	0.00029492	0.00029492	mg/L	-26.13459695	0.00013119	44.48166313	6.29606214	24.09	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987174
Cu 324.754	Cu	n	0.00310131	0.00310131	mg/L	987.23301297	0.00076639	24.71167949	29.98143560	3.04	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210841
Fe 259.940	Fe	n	0.05368224	0.05368224	mg/L	1921.81028378	0.00120426	2.24331677	41.70976109	2.17	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449951
K 766.491	K-R	Uncal	Uncal	Uncal	mg/L	36.12950028	-	-	44.89560714	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575872
Li 670.783	Li-R	n	0.00964400	0.00964400	mg/L	238.16333293	0.00094552	9.80419435	33.58715797	14.10	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243421
Mg 279.800	Mg-R	n	0.01784949	0.01784949	mg/L	2.03030691	0.00166514	9.32879218	0.74619863	36.75	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652211
Mn 257.610	Mn	n	0.00421549	0.00421549	mg/L	1705.64274714	0.00002966	0.70364422	10.71156693	0.63	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552601
Mo 204.598	Mo	n	0.00058726	0.00058726	mg/L	10.16183410	0.00014850	25.28759449	2.02020833	19.88	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854061
Na 589.592	Na-R	n	0.02185507	0.02185507	mg/L	26.52198088	0.00203308	9.30256708	8.99185075	33.90	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402712
Ni 231.604	Ni	nu	-0.00068717	-0.00068717	mg/L	-17.34228815	0.00021311	31.01183036	4.13510538	23.84	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993661
P 177.434	P	nu	0.01454242	0.01454242	mg/L	2.49755893	0.01884879	129.61246354	1.60104629	64.10		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437391
Pb 220.353	Pb	n	0.00255510	0.00255510	mg/L	60.75737640	0.00073620	28.81315154	7.65923701	12.61	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276604
S 181.972	S	nu	-0.00375382	-0.00375382	mg/L	180.59506534	0.00411939	109.73859916	4.53959932	2.51		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.00374839	0.00374839	mg/L	-16.00715674	0.00114339	30.50334510	3.98968853	24.92	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955111
Se 196.026	Se	nu	-0.00213507	-0.00213507	mg/L	24.22031740	0.00158952	74.44795246	5.36020801	22.13	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350954
Si 251.611	Si	nu	-0.11961068	-0.11961068	mg/L	119.81831446	0.00267951	2.24019572	8.93905048	7.46		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466314
Sn 189.925	Sn	n	0.01738538	0.01738538	mg/L	198.39530646	0.00087492	5.03251658	8.61330680	4.34	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6534120272
Sr 421.552	Sr-R	nu	-0.00090976	-0.00090976	mg/L	78.17707445	0.00011400	12.53114303	20.35817814	26.04	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300911
Ti 334.941	Ti	n	0.00301509	0.00301509	mg/L	692.13395041	0.00092285	30.60777682	191.11598398	27.61	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733151
Tl 190.794	Tl	nu	-0.00069567	-0.00069567	mg/L	3.10207785	0.00060665	87.20405623	2.64304501	85.20	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498311
V 292.401	V	n	0.00019947	0.00019947	mg/L	-22.77282473	0.00018484	92.66873162	5.42913284	23.84	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727931
Zn 206.200	Zn	n	0.03724092	0.03724092	mg/L	1180.45924242	0.00034924	0.93779669	10.67578461	0.90	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181292
Y 371.029	Y		0.91	0.91	Ratio	121588.72	0.02	1.87	2269.19	1.87		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21888.82	0.00	0.13	28.25	0.13		-	-	-	Fitted	-	-

ENTHALPY SPIKE USER REPORT FOR 510950 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET12	Inst: MET12
Seqnum: 794264073042.1	Seqnum: 794264073043.1
File: icp data	File: icp data
IDF: 1.0	IDF: 1.0
Lab ID: QC1165893	Lab ID: QC1165894
Matrix: Wipe	Matrix: Wipe
Batch: 344090	Batch: 344090
Time: 01-JUL-2024 11:24	Time: 01-JUL-2024 11:27
Cal: 794264073001	Cal: 794264073001
Units: ug/ft2	

- BS: 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	50.00	1.035	51.74	A	103	1.022	51.12	A	102	80-120	1	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	134295	120738	-10.09

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	134295	121465	-9.55

U=USE

Label: BS, QC1165893, 344090	Rack/Tube: 1:24	Type: Sample
Date Time: 7/1/2024 11:24:33 AM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID:	Customer:	Customer Ref.:
Sample Date Time:	Sample Site:	Description:
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.49396088	0.49396088	mg/L	20227.94844731	0.00324255	0.65643808	132.53787477	0.66		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515
Al 396.152	Al	n	0.96446644	0.96446644	mg/L	37014.57827384	0.00419969	0.43544231	161.50911353	0.44	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835
As 188.980	As	n	0.94086279	0.94086279	mg/L	4334.39648405	0.00969707	1.03065741	44.71261656	1.03	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878
B 249.678	B	n	0.94964259	0.94964259	mg/L	33289.60726949	0.01121445	1.18091265	389.48898733	1.17	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383
Ba 230.424	Ba	n	1.08839602	1.08839602	mg/L	143829.96945990	0.00880006	0.80853504	1162.37629319	0.81	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378
Be 313.107	Be	n	1.00937078	1.00937078	mg/L	1204191.04572551	0.00458473	0.45421671	5469.73267908	0.45	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46377
Ca 317.933	Ca-R	n	1.05001811	1.05001811	mg/L	7459.06054899	0.00309179	0.294445076	19.87336781	0.27	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475743
Cd 214.439	Cd	n	0.97689872	0.97689872	mg/L	186236.84357642	0.01059297	1.08434672	2018.84513408	1.08	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859
Co 230.786	Co	n	1.06108357	1.06108357	mg/L	52031.63861385	0.00943418	0.88910802	462.17688938	0.89	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466
Cr 267.716	Cr	n	1.01200247	1.01200247	mg/L	48529.61988781	0.00393426	0.38875946	188.81969364	0.39	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987
Cu 324.754	Cu	n	1.05133606	1.05133606	mg/L	41994.33226851	0.01038072	0.98738336	406.09944758	0.97	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210
Fe 259.940	Fe	n	1.09640765	1.09640765	mg/L	38037.85815007	0.00504160	0.45982898	174.61634885	0.46	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449
K 766.491	K-R	n	Uncal	Uncal	mg/L	4535.31953818	-	-	41.04387300	0.90	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575
Li 670.783	Li-R	n	1.06865639	1.06865639	mg/L	37857.33014313	0.00438332	0.41017148	155.70681150	0.41	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243
Mg 279.800	Mg-R	n	0.95045898	0.95045898	mg/L	420.13949706	0.01008104	1.06064924	4.51760734	1.08	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652
Mn 257.610	Mn	n	1.05009534	1.05009534	mg/L	379396.96669302	0.00396611	0.37769077	1432.24334764	0.38	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552
Mo 204.598	Mo	n	1.03464251	1.03464251	mg/L	14077.43315971	0.00189176	0.18284168	25.73510488	0.18	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854
Na 589.592	Na-R	n	15.47042203	15.47042203	mg/L	68351.73706581	0.04552554	0.29427472	201.34883689	0.29	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402
Ni 231.604	Ni	n	1.03090702	1.03090702	mg/L	19999.99331415	0.00368811	0.35775389	71.56423724	0.36	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993
P 177.434	P	nu	0.00357714	0.00357714	mg/L	1.56712778	0.00710141	198.52211395	0.60320536	38.49		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437
Pb 220.353	Pb	n	1.03480176	1.03480176	mg/L	10798.52019909	0.00765562	0.73981476	79.64664429	0.74	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276
S 181.972	S	n	0.02756786	0.02756786	mg/L	215.33761307	0.00500649	18.16060331	5.51718489	2.56		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665894
Sb 206.834	Sb	n	0.97434737	0.97434737	mg/L	3370.86331102	0.00265475	0.27246434	9.26338520	0.27	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955
Se 196.026	Se	n	0.83345229	0.83345229	mg/L	2841.94248660	0.00472138	0.56648417	15.92151750	0.56	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350
Si 251.611	Si	n	4.69678108	4.69678108	mg/L	16187.68217246	0.02670471	0.56857472	89.08884592	0.55		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466
Sn 189.925	Sn	n	0.01657470	0.01657470	mg/L	190.46822244	0.00012827	0.77387775	1.26275291	0.66	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202
Sr 421.552	Sr-R	n	1.05924249	1.05924249	mg/L	189395.96047039	0.00854029	0.80626379	1525.07706904	0.81	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300
Ti 334.941	Ti	n	1.05015176	1.05015176	mg/L	217546.77840615	0.00245642	0.23391050	508.70608934	0.23	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733
Tl 190.794	Tl	n	1.03499298	1.03499298	mg/L	4515.39038300	0.00775821	0.74959018	33.80086878	0.75	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498
V 292.401	V	n	1.03190423	1.03190423	mg/L	30279.07563251	0.00268155	0.25986453	78.76091589	0.26	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727
Zn 206.200	Zn	n	1.05005316	1.05005316	mg/L	32147.26767203	0.00805016	0.76664309	246.07938411	0.77	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181
Y 371.029	Y		0.90	0.90	Ratio	120738.04	0.02	2.07	2496.22	2.07		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21730.36	0.00	0.07	15.14	0.07		-	-	-	Fitted	-	-

Label:	BSD, QC1165894, 344090	Rack/Tube:	1:25	Type:	Sample
Date Time:	7/1/2024 11:27:41 AM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.48967844	0.48967844	mg/L	20052.90415606	0.00332225	0.67845535	135.79567263	0.68		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515
Al 396.152	Al	n	0.94519886	0.94519886	mg/L	36273.26960736	0.00654789	0.69275313	251.81463929	0.69	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835
As 188.980	As	n	0.93429283	0.93429283	mg/L	4304.10250369	0.01071450	1.14680355	49.40393075	1.15	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878
B 249.678	B	n	0.94935268	0.94935268	mg/L	33279.53713348	0.01053536	1.10974120	365.90345742	1.10	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383
Ba 230.424	Ba	n	1.07997230	1.07997230	mg/L	142717.29275788	0.00950160	0.87980073	1255.04093642	0.88	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378
Be 313.107	Be	n	0.99787725	0.99787725	mg/L	1190478.89450886	0.00303042	0.30368664	3615.38930932	0.30	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46377
Ca 317.933	Ca-R	n	1.01034024	1.01034024	mg/L	7204.00905705	0.00401710	0.39759861	25.82108638	0.36	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.79475743
Cd 214.439	Cd	n	0.96742283	0.96742283	mg/L	184430.85426044	0.01022946	1.05739313	1949.56677511	1.06	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859
Co 230.786	Co	n	1.05013289	1.05013289	mg/L	51495.16126564	0.01129435	1.07551610	553.30587832	1.07	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466
Cr 267.716	Cr	n	0.99922204	0.99922204	mg/L	47916.23505191	0.00456780	0.45713542	219.22578275	0.46	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987
Cu 324.754	Cu	n	1.04292302	1.04292302	mg/L	41665.21412297	0.01268412	1.21620833	496.20971789	1.19	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210
Fe 259.940	Fe	n	1.08028047	1.08028047	mg/L	37479.24524624	0.00539570	0.49947238	186.88072507	0.50	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449
K 766.491	K-R	n	Uncal	Uncal	mg/L	4509.18172332	-	-	51.05765616	1.13	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575
Li 670.783	Li-R	n	1.05405776	1.05405776	mg/L	37338.73735994	0.00070343	0.06673570	24.98772557	0.07	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243
Mg 279.800	Mg-R	n	0.93862147	0.93862147	mg/L	414.83136524	0.00965101	1.02821155	4.32490210	1.04	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652
Mn 257.610	Mn	n	1.03815784	1.03815784	mg/L	375086.03381808	0.00570504	0.54953484	2060.20448492	0.55	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552
Mo 204.598	Mo	n	1.02117324	1.02117324	mg/L	13894.19488622	0.00350803	0.34352940	47.72256177	0.34	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854
Na 589.592	Na-R	n	15.26000609	15.26000609	mg/L	67421.12165329	0.01004468	0.06582356	44.42527306	0.07	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402
Ni 231.604	Ni	n	1.01809184	1.01809184	mg/L	19751.32179690	0.00743010	0.72980620	144.17391470	0.73	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993
P 177.434	P	nu	0.01609084	0.01609084	mg/L	2.63001842	0.02014196	125.17659866	1.71089087	65.05		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437
Pb 220.353	Pb	n	1.02242854	1.02242854	mg/L	10669.82986504	0.00896025	0.87636894	93.21960802	0.87	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276
S 181.972	S	n	0.03942789	0.03942789	mg/L	228.39965083	0.00348262	8.83289449	3.83787506	1.68		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00665894
Sb 206.834	Sb	n	0.96700851	0.96700851	mg/L	3345.25412141	0.00456432	0.47200420	15.92657538	0.48	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955
Se 196.026	Se	n	0.83315053	0.83315053	mg/L	2840.92567011	0.00942110	1.13077994	31.77002173	1.12	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350
Si 256.611	Si	n	4.54112618	4.54112618	mg/L	15668.40532723	0.02815231	0.61994105	93.91812961	0.60		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466
Sn 189.925	Sn	n	0.01712208	0.01712208	mg/L	195.85572434	0.00060492	3.53301152	5.95527651	3.04	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202
Sr 421.552	Sr-R	n	1.04196758	1.04196758	mg/L	186311.00839624	0.00142329	0.13659667	254.16372923	0.14	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300
Ti 334.941	Ti	n	1.03894541	1.03894541	mg/L	215226.02322981	0.00995949	0.95861495	2062.53859267	0.96	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733
Tl 190.794	Tl	n	1.02340455	1.02340455	mg/L	4464.90167499	0.00700337	0.68432037	30.51219006	0.68	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498
V 292.401	V	n	1.01818098	1.01818098	mg/L	29876.01557900	0.00379838	0.37305552	111.56367292	0.37	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727
Zn 206.200	Zn	n	1.10782363	1.10782363	mg/L	33913.08197990	0.01033975	0.93333916	316.06821827	0.93	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181
Y 371.029	Y		0.90	0.90	Ratio	121465.47	0.02	2.22	2699.23	2.22		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21827.89	0.00	0.31	67.82	0.31		-	-	-	Fitted	-	-

Instrument:	MET12	Date:	01-JUL-2024 09:13
Calibration #:	794264073001	X Axis:	R
Units:	mg/L		

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794264073002	L1	01-JUL-2024 09:16	S20849
L2	icp data	794264073003	L2	01-JUL-2024 09:19	S20848
L3	icp data	794264073004	L3	01-JUL-2024 09:22	S20847
L4	icp data	794264073005	L4	01-JUL-2024 09:25	S20846
L5	icp data	794264073006	L5	01-JUL-2024 09:29	S20845
L6	icp data	794264073007	L6	01-JUL-2024 09:32	S20614

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	-0.0032	9.73E-5		12066	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
 WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	16914	13147	11032	10695	10352	10257

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-30	0.0100	-4	0.1000	4	1.0000	4	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	Cal Date: 01-JUL-2024
Calnum: 794264073001	

- ICV 794264073010 (01-JUL-2024) stds: S21056

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.008	mg/L	1	10	

Label: ICALBLK Rack:Tube: S1:1 Type: BLK
Date Time: 7/1/2024 9:13:30 AM %RSE: _____ Weight: -
Volume: - Dilution: - %RSE limit: -
Calibration Coefficient [1]: - Calibration Coefficient [2]: - Calibration Coefficient [3]: -
LIMS ID: _____ Customer: _____ Customer Ref.: _____
Sample Date Time: _____ Sample Site: _____ Description: _____
Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2
Ag 328.068	Ag	n	0.00000000	0.00000000	mg/L	37.51006560	-	-	8.57265037	22.85	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	37.77905138	28.80
Al 396.152	Al	n	0.00000000	0.00000000	mg/L	190.06028413	-	-	30.39126769	15.99	Y (371.029 nm)	Linear	-	Fitted	0.00000000	0.00000000	0.00000000	154.98366054	206.6
As 188.980	As	n	0.00000000	0.00000000	mg/L	9.14256269	-	-	2.76034283	30.19	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	6.25404356	11.7
B 249.678	B	n	0.00000000	0.00000000	mg/L	1376.02788071	-	-	9.20282449	0.67	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	1383.12505735	1379
Ba 230.424	Ba	n	0.00000000	0.00000000	mg/L	36.64866851	-	-	4.54950111	12.41	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	32.30720552	41.3
Be 313.107	Be	n	0.00000000	0.00000000	mg/L	8.07163100	-	-	5.35934585	66.40	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	8.07087536	2.71
Ca 317.933	Ca-R	n	0.00000000	0.00000000	mg/L	701.98756653	-	-	2.58095655	0.37	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	702.00527666	704.1
Cd 214.439	Cd	n	0.00000000	0.00000000	mg/L	18.22430191	-	-	6.52279802	35.79	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	22.01993817	10.6
Co 230.786	Co	n	0.00000000	0.00000000	mg/L	48.86760891	-	-	0.95109470	1.95	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	47.91600966	48.8
Cr 267.716	Cr	n	0.00000000	0.00000000	mg/L	-50.18958613	-	-	9.41503639	18.76	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-52.13823635	-39.9
Cu 324.754	Cu	n	0.00000000	0.00000000	mg/L	857.03615696	-	-	22.31301193	2.60	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	840.25985555	848.4
Fe 259.940	Fe	n	0.00000000	0.00000000	mg/L	19.83856633	-	-	4.47714760	22.57	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	24.61540421	15.7
K 766.491	K-R	n	0.00000000	0.00000000	mg/L	-18.26984185	-	-	78.96432511	> 100.00	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	-56.82206094	72.5
Li 670.783	Li-R	n	Error	Error	mg/L	38481.71794286	-	-	15.92064341	N/A	Y-R (371.029 nm)	Linear	0.00000	FACT	Error	Error	Error	38500.06998847	3847
Mg 279.800	Mg-R	n	0.00000000	0.00000000	mg/L	6.89168493	-	-	2.68920398	39.02	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	9.54146841	6.96
Mn 257.610	Mn	n	0.00000000	0.00000000	mg/L	74.36023879	-	-	1.42772472	1.92	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	73.88496096	73.2
Mo 204.598	Mo	n	0.00000000	0.00000000	mg/L	11.11517019	-	-	2.92343838	26.30	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	12.78709162	7.73
Na 589.592	Na-R	n	0.00000000	0.00000000	mg/L	82.34854694	-	-	19.90706363	24.17	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	104.97693330	67.5
Ni 231.604	Ni	n	0.00000000	0.00000000	mg/L	-11.50403311	-	-	6.38699209	55.52	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-18.00176605	-11.2
P 177.434	P	n	0.00000000	0.00000000	mg/L	1.26232474	-	-	0.84197858	66.70	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	0.37545411	1.36
Pb 220.353	Pb	n	0.00000000	0.00000000	mg/L	31.83980035	-	-	3.90097275	12.25	Y (371.029 nm)	Linear	0.00000	Off-Peak Right	0.00000000	0.00000000	0.00000000	35.65607345	27.8
S 181.972	S	n	0.00000000	0.00000000	mg/L	184.72565324	-	-	0.46907196	0.25	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	184.89684482	184.7
Sb 206.834	Sb	n	0.00000000	0.00000000	mg/L	-29.37491553	-	-	8.61949494	29.34	Y (371.029 nm)	Linear	0.00000	Off-Peak Right	0.00000000	0.00000000	0.00000000	-38.72885555	-21.7
Se 196.026	Se	n	0.00000000	0.00000000	mg/L	26.01994192	-	-	3.82821409	14.71	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	26.75450707	29.4
Si 251.611	Si	n	0.00000000	0.00000000	mg/L	518.84683413	-	-	31.09594574	5.99	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	552.55520273	512.7
Sn 189.925	Sn	n	0.00000000	0.00000000	mg/L	26.16692256	-	-	1.25047755	4.78	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	25.00172109	26.0
Sr 421.552	Sr-R	n	0.00000000	0.00000000	mg/L	62.09840633	-	-	13.81882349	22.25	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	66.02581159	73.5
Ti 334.941	Ti	n	0.00000000	0.00000000	mg/L	83.25689965	-	-	23.3355387	28.03	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	110.08173955	67.6
Tl 190.794	Tl	n	0.00000000	0.00000000	mg/L	2.38286467	-	-	2.32766397	97.68	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	0.43501308	1.75
V 292.401	V	n	0.00000000	0.00000000	mg/L	-35.44137260	-	-	12.46796105	35.18	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-49.04942249	-32.7
Zn 206.200	Zn	n	0.00000000	0.00000000	mg/L	17.44367883	-	-	2.14121814	12.28	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	19.70699265	15.4
Y 371.029	Y	1.00	1.00	Ratio	Ratio	134294.73	0.00	0.00	1658.67	1.24	-	-	0.00000	Fitted	1.00	1.00	1.00	132537.81	1345
Y 371.029	Y-R	1.00	1.00	Ratio	Ratio	23485.32	0.00	0.00	30.21	0.13	-	-	0.00000	Fitted	1.00	1.00	1.00	23450.60	2350

Label: ICAL_L1,S20849

Rack/Tube: S1:2

Type: STD

Date Time: 7/1/2024 9:16:37 AM

%RSE: _____

Weight: -

Volume: -

Dilution: -

Correlation coefficient: -

%RSE limit: -

Calibration Coefficient [1]: -

Calibration Coefficient [2]: -

Calibration Coefficient [3]: -

LIMS ID: _____

Customer: _____

Customer Ref.: _____

Sample Date Time: _____

Sample Site: _____

Description: _____

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2
Ag 328.068	Ag	n			mg/L	33.28483828	-	-	5.86178921	17.61	Y (371.029 nm)	Linear	Fitted				26.82862857	38.27322434
Al 396.152	Al	n	0.00666667	0.00666667	mg/L	579.29419816	-	-	33.05208155	5.71	Y (371.029 nm)	Linear	Fitted	0.00666667	0.00666667	0.00666667	541.18883271	600.19780980
As 188.980	As	n	0.00333333	0.00333333	mg/L	25.30674747	-	-	6.34747198	25.08	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	23.94754546	32.22372196
B 249.678	B	n	0.00333333	0.00333333	mg/L	355.45482820	-	-	3.15191272	0.89	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	352.29255131	358.59627349
Ba 230.424	Ba	n	0.00333333	0.00333333	mg/L	544.30549482	-	-	8.76048800	1.61	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	537.17255815	541.66011473
Be 313.107	Be	n	0.00100000	0.00100000	mg/L	1155.20591599	-	-	5.09746314	0.44	Y (371.029 nm)	Linear	Fitted	0.00100000	0.00100000	0.00100000	1155.08127638	1150.17191561
Ca 317.933	Ca-R	n	0.03333333	0.03333333	mg/L	957.99541666	-	-	11.60165432	1.21	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	971.28650346	952.80198956
Cd 214.439	Cd	n	0.00166667	0.00166667	mg/L	367.41272670	-	-	10.88934752	2.96	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	377.38234825	369.06364301
Co 230.786	Co	n	0.00166667	0.00166667	mg/L	145.71089472	-	-	9.76329257	6.70	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	153.05690945	134.63188083
Cr 267.716	Cr	n	0.00333333	0.00333333	mg/L	129.50960098	-	-	4.07346950	3.15	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	130.00351589	133.31359277
Cu 324.754	Cu	n	0.00333333	0.00333333	mg/L	1009.43358093	-	-	6.69062470	0.66	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	1016.26645338	1009.13937931
Fe 259.940	Fe	n	0.00666667	0.00666667	mg/L	358.87539173	-	-	10.92988190	3.05	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00666667	0.00666667	0.00666667	359.18001796	369.64977621
K 766.491	K-R	n	0.06666667	0.06666667	mg/L	-16.95079806	-	-	59.58127832	> 100.00	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	-75.55075122	43.565556594
Li 670.783	Li-R	n	Error	Error	mg/L	38238.42796919	-	-	257.33226359	N/A	Y-R (371.029 nm)	Linear	FACT	Error	Error	Error	37949.16973480	38441.9395901
Mg 279.800	Mg-R	n	0.03333333	0.03333333	mg/L	15.88225910	-	-	2.36381891	14.88	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	16.68996576	13.22045376
Mn 257.610	Mn	n	0.00333333	0.00333333	mg/L	1406.64255288	-	-	13.61901785	0.97	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	1422.27703671	1397.35907971
Mo 204.598	Mo	n	0.00333333	0.00333333	mg/L	50.03156701	-	-	3.78895934	7.57	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	45.69648019	51.68775970
Na 589.592	Na-R	n	0.06666667	0.06666667	mg/L	285.45453169	-	-	58.19186923	20.39	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	288.80017891	341.90140034
Ni 231.604	Ni	n	0.00333333	0.00333333	mg/L	64.34562321	-	-	6.31101692	9.81	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	71.46031529	62.15385470
P 177.434	P	n			mg/L	0.47347640	-	-	0.41412220	87.46	Y (371.029 nm)	Linear	Fitted				0.12539872	0.36356341
Pb 220.353	Pb	n	0.00333333	0.00333333	mg/L	56.38253739	-	-	5.79639911	10.28	Y (371.029 nm)	Linear	Off-Peak Right	0.00333333	0.00333333	0.00333333	53.26693028	63.07044688
S 181.972	S	n			mg/L	187.00031933	-	-	0.43001534	0.23	Y (371.029 nm)	Linear	Fitted				187.02733096	187.41619210
Sb 206.834	Sb	n	0.01000010	0.01000010	mg/L	13.95861166	-	-	5.78551514	41.45	Y (371.029 nm)	Linear	Off-Peak Right	0.01000010	0.01000010	0.01000010	13.22273503	20.07685863
Se 196.026	Se	n	0.01000001	0.01000001	mg/L	57.49006597	-	-	2.71924995	4.73	Y (371.029 nm)	Linear	Fitted	0.01000001	0.01000001	0.01000001	60.32025262	54.89732545
Si 251.611	Si	n			mg/L	48.27491340	-	-	4.37045898	9.05	Y (371.029 nm)	Linear	Fitted				53.20661852	44.88190113
Sn 189.925	Sn	n	0.00333333	0.00333333	mg/L	57.05643645	-	-	2.93461112	5.14	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	60.15281819	54.31608053
Sr 421.552	Sr-R	n	0.01666667	0.01666667	mg/L	3217.14622478	-	-	0.56175444	0.02	Y-R (371.029 nm)	Linear	Fitted	0.01666667	0.01666667	0.01666667	3217.67846944	3217.20120171
Ti 334.941	Ti	n	0.00333333	0.00333333	mg/L	779.40083144	-	-	27.88404544	3.58	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	811.16498202	758.95815928
Tl 190.794	Tl	n	0.01000010	0.01000010	mg/L	49.43159765	-	-	0.35829701	0.72	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	49.84337176	49.19094992
V 292.401	V	n	0.00166667	0.00166667	mg/L	22.27175358	-	-	3.90236627	17.52	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00166667	0.00166667	0.00166667	25.88507465	22.79670100
Zn 206.200	Zn	n	0.01000010	0.01000010	mg/L	379.16033477	-	-	4.61744638	1.22	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	373.83686764	382.07962291
Y 371.029	Y	1.01	1.01	Ratio		135610.68	0.01	0.91	1230.66	0.91	-	-	Fitted	1.00	1.01	1.02	134204.69	136135.03
Y 371.029	Y-R	1.01	1.01	Ratio		23659.60	0.00	0.46	108.49	0.46	-	-	Fitted	1.01	1.00	1.01	23781.11	23572.46

Label: ICAL,L2,S20848	Rack:Tube: S1:3	Type: STD
Date Time: 7/1/2024 9:19:44 AM	%RSE: _____	Weight: -
Volume: -	Dilution: -	%RSE limit: -
Calibration Coefficient [3]: -	LIMS ID: _____	Customer: _____
Customer Ref.: _____	Sample Date Time: _____	Sample Site: _____
Description: _____	Replicates: 3	

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag	n			mg/L	34.86323027	-	-	1.83495257	5.26	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.02000000	0.02000000	mg/L	922.71241026	-	-	32.44708905	3.52	Y (371.029 nm)	Linear	1.00000	Fitted	-90.060284134971	58385.0929420898	0.02000000	0.02000000
As 188.980	As	n	0.01000000	0.01000000	mg/L	54.97787703	-	-	5.94249849	10.81	Y (371.029 nm)	Linear	1.00000	Fitted	9.14256268670814	4849.25591908554	0.01000000	0.01000000
B 249.678	B	n	0.01000000	0.01000000	mg/L	574.50902755	-	-	14.26705713	2.48	Y (371.029 nm)	Linear	-	Fitted	-	-	0.01000000	0.01000000
Ba 230.424	Ba	n	0.01000000	0.01000000	mg/L	1441.78464641	-	-	17.16998590	1.19	Y (371.029 nm)	Linear	1.00000	Fitted	36.6486685092156	152297.063123202	0.01000000	0.01000000
Be 313.107	Be	n	0.00300000	0.00300000	mg/L	3489.55059141	-	-	14.67790807	0.42	Y (371.029 nm)	Linear	1.00000	Fitted	8.07163099745776	1147134.28499175	0.00300000	0.00300000
Ca 317.933	Ca-R	n	0.10000000	0.10000000	mg/L	1390.84976511	-	-	28.26920555	2.03	Y-R (371.029 nm)	Linear	1.00000	Fitted	701.987566526098	7680.23558092655	0.10000000	0.10000000
Cd 214.439	Cd	n	0.00500000	0.00500000	mg/L	1007.91822978	-	-	7.39523346	0.73	Y (371.029 nm)	Linear	1.00000	Fitted	18.224301909832	209513.012972112	0.00500000	0.00500000
Co 230.786	Co	n	0.00500000	0.00500000	mg/L	294.75857270	-	-	21.05647153	7.14	Y (371.029 nm)	Linear	1.00000	Fitted	48.8676089148921	58105.959859948	0.00500000	0.00500000
Cr 267.716	Cr	n	0.01000000	0.01000000	mg/L	439.47886265	-	-	0.93584299	0.21	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-50.1895861293269	53909.7615240098	0.01000000	0.01000000
Cu 324.754	Cu	n	0.01000000	0.01000000	mg/L	1271.07932777	-	-	6.17997496	0.49	Y (371.029 nm)	Linear	1.00000	Fitted	857.036156957492	45719.2317646747	0.01000000	0.01000000
Fe 259.940	Fe	n	0.02000000	0.02000000	mg/L	787.51532398	-	-	6.79175540	0.86	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	19.8385663324983	50855.5288946679	0.02000000	0.02000000
K 766.491	K-R	n	0.20000000	0.20000000	mg/L	13.45868775	-	-	29.52386689	> 100.00	Y-R (371.029 nm)	Linear	1.00000	Fitted	-18.2698418508056	19.7856567723619	0.20000000	0.20000000
Li 670.783	Li-R	n	Error	Error	mg/L	38862.17351816	-	-	60.10985958	N/A	Y-R (371.029 nm)	Linear	-	FACT	-	-	Error	Error
Mg 279.800	Mg-R	n	0.10000000	0.10000000	mg/L	37.30749828	-	-	0.69584142	1.87	Y-R (371.029 nm)	Linear	1.00000	Fitted	6.89168493460846	269.717252013662	0.10000000	0.10000000
Mn 257.610	Mn	n	0.01000000	0.01000000	mg/L	3867.26285133	-	-	1.16431189	0.03	Y (371.029 nm)	Linear	1.00000	Fitted	74.3602387919627	399684.734195071	0.01000000	0.01000000
Mo 204.598	Mo	n	0.01000000	0.01000000	mg/L	136.64349988	-	-	4.15976375	3.04	Y (371.029 nm)	Linear	1.00000	Fitted	11.1151701908896	11674.9202120859	0.01000000	0.01000000
Na 589.592	Na-R	n	0.20000000	0.20000000	mg/L	794.77725862	-	-	14.70504980	1.85	Y-R (371.029 nm)	Linear	1.00000	Fitted	82.3485469398899	3046.5896189128	0.20000000	0.20000000
Ni 231.604	Ni	n	0.01000000	0.01000000	mg/L	181.69424211	-	-	3.39948763	1.87	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-11.5040331103469	22754.8991712032	0.01000000	0.01000000
P 177.434	P	n			mg/L	1.12622572	-	-	0.81667403	72.51	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.01000000	0.01000000	mg/L	131.47494274	-	-	10.90439828	8.29	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	31.8398003475986	7362.82184954566	0.01000000	0.01000000
S 181.972	S	n			mg/L	192.01999960	-	-	2.51648842	1.31	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.03000030	0.03000030	mg/L	81.73306523	-	-	2.77847766	3.40	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-29.3749155301128	4333.30938604102	0.03000030	0.03000030
Se 196.026	Se	n	0.03000003	0.03000003	mg/L	127.06304196	-	-	6.45180877	5.08	Y (371.029 nm)	Linear	1.00000	Fitted	26.0199419173401	3147.00925794276	0.03000003	0.03000003
Si 251.611	Si	n			mg/L	42.42574848	-	-	2.76851381	6.53	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.01000000	0.01000000	mg/L	123.85346378	-	-	5.30194571	4.28	Y (371.029 nm)	Linear	1.00000	Fitted	26.166922561538	9266.85509361362	0.01000000	0.01000000
Sr 421.552	Sr-R	n	0.05000000	0.05000000	mg/L	9151.05058092	-	-	39.31642528	0.43	Y-R (371.029 nm)	Linear	1.00000	Fitted	62.0984063332435	189302.865320653	0.05000000	0.05000000
Ti 334.941	Ti	n	0.01000000	0.01000000	mg/L	2134.76332126	-	-	13.77821783	0.65	Y (371.029 nm)	Linear	1.00000	Fitted	83.2568996526528	208843.20042115	0.01000000	0.01000000
Tl 190.794	Tl	n	0.03000030	0.03000030	mg/L	142.37132033	-	-	2.67456617	1.88	Y (371.029 nm)	Linear	1.00000	Fitted	2.38286466504042	4704.82625007007	0.03000030	0.03000030
V 292.401	V	n	0.00500000	0.00500000	mg/L	121.73563790	-	-	1.36109452	1.12	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-35.4413726013349	34627.8687861578	0.00500000	0.00500000
Zn 206.200	Zn	n	0.03000030	0.03000030	mg/L	1044.16824166	-	-	7.18932491	0.69	Y (371.029 nm)	Linear	1.00000	Fitted	17.4436788301952	36171.3038806905	0.03000030	0.03000030
Y 371.029	Y		1.00	1.00	Ratio	134474.27	0.01	1.11	1489.56	1.11	-	-	-	Fitted	-	-	0.99	1.00
Y 371.029	Y-R		1.00	1.00	Ratio	23426.64	0.00	0.25	57.48	0.25	-	-	-	Fitted	-	-	1.00	1.00

Label: ICAL,L3,S20847

Rack/Tube: S1:4

Type: STD

Date Time: 7/1/2024 9:22:51 AM

%RSE: _____

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: _____

Customer: _____

Customer Ref.: _____

Sample Date

Sample Site: _____

Description: _____

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag	n			mg/L	34.43461234	-	-	12.52446367	36.37	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.20000000	0.20000000	mg/L	7173.90521016	-	-	28.74320296	0.40	Y (371.029 nm)	Linear	0.97452	Fitted	245.182935807426	35447.284579622	0.20000000	0.20000000
As 188.980	As	n	0.10000000	0.10000000	mg/L	446.62448410	-	-	12.15781224	2.72	Y (371.029 nm)	Linear	0.99977	Fitted	9.2370847531589	4595.98281540327	0.10000000	0.10000000
B 249.678	B	n	0.10000000	0.10000000	mg/L	3506.66164454	-	-	7.12577601	0.20	Y (371.029 nm)	Linear	-	Fitted	-	-	0.10000000	0.10000000
Ba 230.424	Ba	n	0.10000000	0.10000000	mg/L	13472.21854237	-	-	16.19284739	0.12	Y (371.029 nm)	Linear	0.99951	Fitted	41.21461692931	143308.723873414	0.10000000	0.10000000
Be 313.107	Be	n	0.03000000	0.03000000	mg/L	35039.40287776	-	-	126.30697472	0.36	Y (371.029 nm)	Linear	0.99999	Fitted	3.9911173421749	1156752.00508703	0.03000000	0.03000000
Ca 317.933	Ca-R	n	1.00000000	1.00000000	mg/L	7171.04546458	-	-	6.63179574	0.09	Y-R (371.029 nm)	Linear	0.99908	Fitted	702.50526332129	7193.98055193753	1.00000000	1.00000000
Cd 214.439	Cd	n	0.05000000	0.05000000	mg/L	9776.77170772	-	-	15.26299748	0.16	Y (371.029 nm)	Linear	0.99976	Fitted	22.0355846539826	197666.428771888	0.05000000	0.05000000
Co 230.786	Co	n	0.05000000	0.05000000	mg/L	2472.91131390	-	-	20.11114832	0.81	Y (371.029 nm)	Linear	0.99768	Fitted	48.9294983286413	52199.28815858	0.05000000	0.05000000
Cr 267.716	Cr	n	0.10000000	0.10000000	mg/L	4747.42622553	-	-	5.95973725	0.13	Y (371.029 nm)	Linear	0.99929	Off-Peak Left+Right	-32.8295716165721	47239.4193714189	0.10000000	0.10000000
Cu 324.754	Cu	n	0.10000000	0.10000000	mg/L	4690.33572614	-	-	11.70793209	0.25	Y (371.029 nm)	Linear	0.99924	Fitted	874.698813254569	39705.7973476155	0.10000000	0.10000000
Fe 259.940	Fe	n	0.20000000	0.20000000	mg/L	7153.93520537	-	-	14.05644060	0.20	Y (371.029 nm)	Linear	0.99246	Off-Peak Left+Right	28.1614888826144	38446.5170063439	0.20000000	0.20000000
K 766.491	K-R	n	2.00000000	2.00000000	mg/L	703.27585555	-	-	53.52046932	7.61	Y-R (371.029 nm)	Linear	0.95630	Fitted	-24.2655957720571	186.526010403834	2.00000000	2.00000000
Li 670.783	Li-R	n	Error	Error	mg/L	42039.48854736	-	-	236.74487727	N/A	Y-R (371.029 nm)	Linear	0.74465	FACT	38480.7807870471	37471.3108326439	Error	Error
Mg 279.800	Mg-R	n	1.00000000	1.00000000	mg/L	448.29441746	-	-	6.33576199	1.41	Y-R (371.029 nm)	Linear	0.99913	Fitted	6.26666747043305	310.199072661158	1.00000000	1.00000000
Mn 257.610	Mn	n	0.10000000	0.10000000	mg/L	36450.70871211	-	-	153.30303411	0.42	Y (371.029 nm)	Linear	0.99980	Fitted	74.8554955130203	379257.203929255	0.10000000	0.10000000
Mo 204.598	Mo	n	0.10000000	0.10000000	mg/L	1324.95934912	-	-	5.71785474	0.43	Y (371.029 nm)	Linear	0.99967	Fitted	10.2847042203886	12551.8095314733	0.10000000	0.10000000
Na 589.592	Na-R	n	2.00000000	2.00000000	mg/L	8468.69363535	-	-	35.59234520	0.42	Y-R (371.029 nm)	Linear	0.99859	Fitted	79.8166776229311	3571.3490832613	2.00000000	2.00000000
Ni 231.604	Ni	n	0.10000000	0.10000000	mg/L	1964.99687365	-	-	7.84892886	0.40	Y (371.029 nm)	Linear	0.99777	Off-Peak Left+Right	-6.24779269746489	18868.6559885292	0.10000000	0.10000000
P 177.434	P	n			mg/L	1.59307745	-	-	0.17967266	11.28	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.10000000	0.10000000	mg/L	1103.18704273	-	-	9.18571240	0.83	Y (371.029 nm)	Linear	0.99551	Off-Peak Right	30.1981780777828	9486.31811719951	0.10000000	0.10000000
S 181.972	S	n			mg/L	195.01117112	-	-	2.98617167	1.53	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.30000300	0.30000300	mg/L	1000.84226136	-	-	7.16129970	0.72	Y (371.029 nm)	Linear	0.99797	Off-Peak Right	-24.7436085606244	3557.20740723684	0.30000300	0.30000300
Se 196.026	Se	n	0.30000030	0.30000030	mg/L	1019.94553253	-	-	8.36844636	0.82	Y (371.029 nm)	Linear	0.99971	Fitted	24.8543943776488	3351.7756861498	0.30000030	0.30000030
Si 251.611	Si	n			mg/L	57.37725606	-	-	6.32335273	11.02	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.10000000	0.10000000	mg/L	1028.22164790	-	-	5.57264086	0.54	Y (371.029 nm)	Linear	0.99982	Fitted	26.0266454662772	9656.59333724194	0.10000000	0.10000000
Sr 421.552	Sr-R	n	0.50000000	0.50000000	mg/L	88767.62314248	-	-	770.93071661	0.87	Y-R (371.029 nm)	Linear	0.99988	Fitted	124.229104187572	185565.782935753	0.50000000	0.50000000
Ti 334.941	Ti	n	0.10000000	0.10000000	mg/L	20443.56862551	-	-	96.05510971	0.47	Y (371.029 nm)	Linear	0.99998	Fitted	87.5508080275467	204796.098009866	0.10000000	0.10000000
Tl 190.794	Tl	n	0.30000300	0.30000300	mg/L	1369.70376992	-	-	5.86358083	0.43	Y (371.029 nm)	Linear	1.00000	Fitted	2.80131123056287	4661.49480052694	0.30000300	0.30000300
V 292.401	V	n	0.05000000	0.05000000	mg/L	1394.60867413	-	-	5.73288300	0.41	Y (371.029 nm)	Linear	0.99928	Off-Peak Left+Right	-28.9175996900378	30138.4222354123	0.05000000	0.05000000
Zn 206.200	Zn	n	0.30000300	0.30000300	mg/L	9721.92895029	-	-	15.50963222	0.16	Y (371.029 nm)	Linear	0.99978	Fitted	19.4891651386502	34539.9497798121	0.30000300	0.30000300
Y 371.029	Y		1.00	1.00	Ratio	134052.25	0.01	1.15	1538.60	1.15	-	-	-	Fitted	-	-	0.99	1.00
Y 371.029	Y-R		0.99	0.99	Ratio	23261.06	0.00	0.47	108.37	0.47	-	-	-	Fitted	-	-	0.99	0.99

Label: ICAL_L4.S20846	Rack/Tube: S1:5	Type: STD
Date Time: 7/1/2024 9:25:58 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	34.34890446	-	-	6.02816518	17.55		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	2.00000000	2.00000000	mg/L	72953.43345186	-	-	96.15391437	0.13	41.96098010	Y (371.029 nm)	Linear	0.99979	Fitted	251.977509097379	34613.3609146269
As 188.980	As	n	1.00000000	1.00000000	mg/L	4538.16121911	-	-	5.13255765	0.11	8.17245865	Y (371.029 nm)	Linear	0.99999	Fitted	9.64157191952856	4377.66935374859
B 249.678	B	n	1.00000000	1.00000000	mg/L	34514.42714858	-	-	103.81049902	0.30	118.06112940	Y (371.029 nm)	Linear	0.93267	Fitted	369.003878070777	31150.1502286026
Ba 230.424	Ba	n	1.00000000	1.00000000	mg/L	133769.34166148	-	-	408.14608653	0.31	10.69625085	Y (371.029 nm)	Linear	0.99999	Fitted	51.4260257052166	134301.518460809
Be 313.107	Be	n	0.30000000	0.30000000	mg/L	358256.89387212	-	-	2606.86334618	0.73	0.79086431	Y (371.029 nm)	Linear	1.00000	Fitted	-0.0444681670130649	1162934.68645936
Ca 317.933	Ca-R	n	10.00000000	10.00000000	mg/L	65103.59089172	-	-	186.78522180	0.29	18.80593828	Y-R (371.029 nm)	Linear	0.99998	Fitted	704.119307944003	6467.56320810952
Cd 214.439	Cd	n	0.50000000	0.50000000	mg/L	97306.66260902	-	-	282.38256016	0.29	4.67239827	Y (371.029 nm)	Linear	1.00000	Fitted	27.2362728589824	195056.46389161
Co 230.786	Co	n	0.50000000	0.50000000	mg/L	24798.86738267	-	-	31.06920307	0.13	19.59195507	Y (371.029 nm)	Linear	0.99998	Fitted	49.0183507057586	48528.2413452537
Cr 267.716	Cr	n	1.00000000	1.00000000	mg/L	48025.08923894	-	-	37.47786819	0.08	5.44298172	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-38.6795303687641	47852.4173147115
Cu 324.754	Cu	n	1.00000000	1.00000000	mg/L	39532.53007235	-	-	225.48475306	0.57	2.60759064	Y (371.029 nm)	Linear	0.99997	Fitted	885.403634152283	38064.4671428883
Fe 259.940	Fe	n	2.00000000	2.00000000	mg/L	69385.34113737	-	-	26.39342480	0.04	32.70838740	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	44.277010546745	35634.9319338697
K 766.491	K-R	n	20.00000000	20.00000000	mg/L	9453.04530731	-	-	11.86874231	0.13	46.71067985	Y-R (371.029 nm)	Linear	0.99881	Fitted	-53.4929266377981	377.144780773698
Li 670.783	Li-R	n	Error	Error	mg/L	72160.85086849	-	-	433.40842125	N/A	303.87899616	Y-R (371.029 nm)	Linear	0.99510	FACT	38481.7776082094	35819.1962741163
Mg 279.800	Mg-R	n	10.00000000	10.00000000	mg/L	4520.82609070	-	-	19.24675048	0.43	44.64418587	Y-R (371.029 nm)	Linear	0.99962	Fitted	-5.4291861654598	442.635448485365
Mn 257.610	Mn	n	1.00000000	1.00000000	mg/L	358973.63792225	-	-	73.00365543	0.02	6.67084802	Y (371.029 nm)	Linear	0.99999	Fitted	76.0464010702453	379049.721041112
Mo 204.598	Mo	n	1.00000000	1.00000000	mg/L	13605.94776800	-	-	2.66087246	0.02	5.61918307	Y (371.029 nm)	Linear	0.99999	Fitted	8.37533935496796	13157.9116259588
Na 589.592	Na-R	n	20.00000000	20.00000000	mg/L	86896.78757859	-	-	126.19420192	0.15	6.03751892	Y-R (371.029 nm)	Linear	0.99991	Fitted	0.654642213584339	4219.46268858345
Ni 231.604	Ni	n	1.00000000	1.00000000	mg/L	19693.10410287	-	-	27.08972550	0.14	16.45927102	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-12.2922691666111	19759.2247305155
P 177.434	P	n			mg/L	1.52333425	-	-	0.45546746	29.90		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	1.00000000	1.00000000	mg/L	10694.74289325	-	-	30.01081429	0.28	21.30924742	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	28.0871074146142	10741.8517327558
S 181.972	S	n			mg/L	201.63615944	-	-	5.22746684	2.59		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	3.00003000	3.00003000	mg/L	10409.06846493	-	-	6.20611820	0.06	3.21841939	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	-21.1996233984369	3408.45621266532
Se 196.026	Se	n	3.00000300	3.00000300	mg/L	10211.93500475	-	-	5.52212984	0.05	3.50446256	Y (371.029 nm)	Linear	1.00000	Fitted	25.168224074228	3316.38269791092
Si 251.611	Si	n			mg/L	120.70828331	-	-	6.25310243	5.18		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	1.00000000	1.00000000	mg/L	10112.70893628	-	-	19.49669050	0.19	6.46943680	Y (371.029 nm)	Linear	1.00000	Fitted	25.7043258732113	10020.43944792
Sr 421.552	Sr-R	n	5.00000000	5.00000000	mg/L	890066.68040707	-	-	1155.65600456	0.13	4.42246339	Y-R (371.029 nm)	Linear	1.00000	Fitted	146.073324879166	184253.388354205
Ti 334.941	Ti	n	1.00000000	1.00000000	mg/L	207568.51289419	-	-	1250.74858923	0.60	0.82766510	Y (371.029 nm)	Linear	1.00000	Fitted	95.0471114220236	203658.915467156
Tl 190.794	Tl	n	3.00003000	3.00003000	mg/L	13521.21122364	-	-	32.42036709	0.24	1.33905458	Y (371.029 nm)	Linear	1.00000	Fitted	3.86684572928871	4555.84609086887
V 292.401	V	n	0.50000000	0.50000000	mg/L	14521.63585806	-	-	14.41156396	0.10	9.09943551	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	-20.6496904654794	28325.8279047839
Zn 206.200	Zn	n	3.00003000	3.00003000	mg/L	96122.11200628	-	-	264.24401778	0.27	9.81295814	Y (371.029 nm)	Linear	0.99999	Fitted	26.8504281951541	32421.1290406171
Y 371.029	Y		0.97	0.97	Ratio	130750.86	0.01	1.23	1605.44	1.23		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	22830.36	0.01	0.64	145.50	0.64		-	-	-	Fitted	-	-

Label: ICAL,L5,S20845 Rack/Tube: S1:6 Type: STD
Date Time: 7/1/2024 9:29:06 AM Weight: - Volume: -
Dilution: - %RSE limit: - Calibration Coefficient [3]: -
LIMS ID: - Customer: - Customer Ref.: -
Sample Date: - Sample Site: - Description: -
Time: -
Replicates: 3 Flags Replicate 1: - Flags Replicate 2: -
Flags Replicate 3: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	67.36516717	-	-	22.85556141	33.93		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	10.00000000	10.00000000	mg/L	385680.21046814	-	-	937.85465397	0.24	54.53102223	Y (371.029 nm)	Linear	0.99999	Fitted	151.741605255235	36275.1618481455
As 188.980	As	n	5.00000000	5.00000000	mg/L	23128.52760361	-	-	54.51401424	0.24	6.83697849	Y (371.029 nm)	Linear	0.99999	Fitted	8.86790101941688	4529.03241355756
B 249.678	B	n	5.00000000	5.00000000	mg/L	175692.83494618	-	-	941.54901429	0.54	71.56783079	Y (371.029 nm)	Linear	0.99940	Fitted	351.370284873721	32252.2451302075
Ba 230.424	Ba	n	5.00000000	5.00000000	mg/L	659397.71709104	-	-	3289.60162303	0.50	7.54269028	Y (371.029 nm)	Linear	1.00000	Fitted	51.9436627253712	134217.620040306
Be 313.107	Be	n	1.50000000	1.50000000	mg/L	1810674.11514710	-	-	3767.94107372	0.21	1.76408633	Y (371.029 nm)	Linear	1.00000	Fitted	-2.59349171955773	1166619.58025272
Ca 317.933	Ca-R	n	50.00000000	50.00000000	mg/L	320429.58710587	-	-	621.73021938	0.19	13.21679058	Y-R (371.029 nm)	Linear	1.00000	Fitted	704.521032950298	6464.10735508039
Cd 214.439	Cd	n	2.50000000	2.50000000	mg/L	471502.62250993	-	-	570.92853318	0.12	3.20455487	Y (371.029 nm)	Linear	1.00000	Fitted	27.9235058892841	194932.091074723
Co 230.786	Co	n	2.50000000	2.50000000	mg/L	121422.69929812	-	-	377.00611259	0.31	12.39432626	Y (371.029 nm)	Linear	1.00000	Fitted	48.8999186460106	49477.0467365457
Cr 267.716	Cr	n	5.00000000	5.00000000	mg/L	239451.99965591	-	-	147.86677286	0.06	4.41697098	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.5205003980698	48013.3382058553
Cu 324.754	Cu	n	5.00000000	5.00000000	mg/L	201637.67811964	-	-	1055.31228560	0.52	1.47545930	Y (371.029 nm)	Linear	1.00000	Fitted	882.792673193652	38214.1632140632
Fe 259.940	Fe	n	10.00000000	10.00000000	mg/L	342447.48287530	-	-	433.79300075	0.13	21.04407477	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	59.8779276414418	34693.3324112224
K 766.491	K-R	n	100.00000000	100.00000000	mg/L	51235.61711768	-	-	68.12786198	0.13	114.90874812	Y-R (371.029 nm)	Linear	0.99977	Fitted	-99.9403265769288	477.613686525152
Li 670.783	Li-R	n	5.00000000	5.00000000	mg/L	175381.23883043	-	-	527.89199251	0.30	225.17738272	Y-R (371.029 nm)	Linear	0.99991	FACT	38483.9123949004	33755.0674139672
Mg 279.800	Mg-R	n	50.00000000	50.00000000	mg/L	22163.58115194	-	-	30.41550333	0.14	33.67683510	Y-R (371.029 nm)	Linear	1.00000	Fitted	-6.33786092037879	451.938435183825
Mn 257.610	Mn	n	5.00000000	5.00000000	mg/L	1746416.99642599	-	-	2064.49865223	0.12	1.94807008	Y (371.029 nm)	Linear	1.00000	Fitted	180.332693189814	361590.246611091
Mo 204.598	Mo	n	5.00000000	5.00000000	mg/L	69115.10507533	-	-	245.74568148	0.36	4.00905090	Y (371.029 nm)	Linear	1.00000	Fitted	2.54362730003413	13602.5802683481
Na 589.592	Na-R	n	100.00000000	100.00000000	mg/L	442364.33714806	-	-	81.59609256	0.02	7.96968951	Y-R (371.029 nm)	Linear	1.00000	Fitted	-32.7874697060729	4334.52115324226
Ni 231.604	Ni	n	5.00000000	5.00000000	mg/L	95541.79536432	-	-	302.28181419	0.32	11.00599957	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-11.4930418295532	19709.3558113306
P 177.434	P	n			mg/L	-1.49832386	-	-	0.60322018	40.26		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	5.00000000	5.00000000	mg/L	51759.40583788	-	-	151.25831404	0.29	16.21083227	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	28.844935484808	10672.4456273834
S 181.972	S	n			mg/L	248.84976954	-	-	2.25028758	0.90		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	15.00015000	15.00015000	mg/L	52232.64098406	-	-	74.62813508	0.14	7.97816604	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.6347104346323	3477.46024305477
Se 196.026	Se	n	15.00000000	15.00000000	mg/L	50007.20401138	-	-	121.87467983	0.24	2.16599585	Y (371.029 nm)	Linear	1.00000	Fitted	23.2043937569522	3395.92660466978
Si 251.611	Si	n			mg/L	471.14099554	-	-	21.82398638	4.63		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	5.00000000	5.00000000	mg/L	49352.41706799	-	-	136.27444982	0.28	4.51265317	Y (371.029 nm)	Linear	1.00000	Fitted	25.4389753216042	10080.2396427401
Sr 421.552	Sr-R	n	25.00000000	25.00000000	mg/L	4407830.71204190	-	-	29560.47882515	0.67	0.74788148	Y-R (371.029 nm)	Linear	1.00000	Fitted	238.086962264264	178725.736427634
Ti 334.941	Ti	n	5.00000000	5.00000000	mg/L	1045233.34972329	-	-	11473.61234602	1.10	1.56790249	Y (371.029 nm)	Linear	1.00000	Fitted	83.9635501417065	205070.930383143
Tl 190.794	Tl	n	15.00015000	15.00015000	mg/L	65576.89434134	-	-	116.48275752	0.18	1.45348967	Y (371.029 nm)	Linear	1.00000	Fitted	4.29589377019387	4517.01649885029
V 292.401	V	n	2.50000000	2.50000000	mg/L	73445.68293044	-	-	106.11123080	0.14	2.12190939	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-25.437748889756	29056.8661791767
Zn 206.200	Zn	n	15.00015000	15.00015000	mg/L	459234.62116377	-	-	2585.42893178	0.56	7.10923348	Y (371.029 nm)	Linear	1.00000	Fitted	27.5948687177626	32322.1633228997
Y 371.029	Y		0.93	0.93	Ratio	124362.40	0.01	1.14	1413.08	1.14		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	22001.58	0.01	0.86	189.11	0.86		-	-	-	Fitted	-	-

Label: ICAL,L6,S20614	Rack:Tube: S1:7	Type: STD
Date Time: 7/1/2024 9:32:13 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3	Flags Replicate 1: -	Flags Replicate 2: -
Flags Replicate 3: -		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	94.18711929	-	-	12.71406825	13.50		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	20.00000000	20.00000000	mg/L	797628.41816737	-	-	786.77823223	0.10	55.11795402	Y (371.029 nm)	Linear	0.99994	Fitted	102.620089668935	36751.0993231158
As 188.980	As	n	10.00000000	10.00000000	mg/L	46531.49484696	-	-	41.38384512	0.09	16.19133541	Y (371.029 nm)	Linear	0.99999	Fitted	6.08314091029683	4548.66128977357
B 249.678	B	n	10.00000000	10.00000000	mg/L	357467.23888481	-	-	403.38042010	0.11	55.91399158	Y (371.029 nm)	Linear	0.99996	Fitted	346.354282280578	32539.2638901704
Ba 230.424	Ba	n	10.00000000	10.00000000	mg/L	1320445.82182521	-	-	236.84552631	0.02	6.19326126	Y (371.029 nm)	Linear	1.00000	Fitted	52.7676441393435	134093.857261535
Be 313.107	Be	n	3.00000000	3.00000000	mg/L	3597444.06136737	-	-	8705.22858916	0.24	1.85257758	Y (371.029 nm)	Linear	1.00000	Fitted	-19.0960091774414	1190344.01999188
Ca 317.933	Ca-R	n	100.00000000	100.00000000	mg/L	639455.08288830	-	-	815.56045314	0.13	10.45145204	Y-R (371.029 nm)	Linear	1.00000	Fitted	706.474592609673	6448.64743297276
Cd 214.439	Cd	n	5.00000000	5.00000000	mg/L	917581.65916626	-	-	3369.79796352	0.37	1.68416186	Y (371.029 nm)	Linear	0.99998	Fitted	50.641830623186	191077.966285335
Co 230.786	Co	n	5.00000000	5.00000000	mg/L	242549.52398342	-	-	333.92932654	0.14	10.27771259	Y (371.029 nm)	Linear	0.99999	Fitted	48.9663553674991	49345.0028852419
Cr 267.716	Cr	n	10.00000000	10.00000000	mg/L	480491.88665705	-	-	256.01042372	0.05	3.41194187	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-39.7552812070843	47949.8022660216
Cu 324.754	Cu	n	10.00000000	10.00000000	mg/L	412355.21612988	-	-	2121.87196622	0.51	3.87020695	Y (371.029 nm)	Linear	0.99997	Fitted	874.563506188089	38658.8756577926
Fe 259.940	Fe	n	20.00000000	20.00000000	mg/L	678078.79964008	-	-	1536.59426247	0.23	16.85539569	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	61.564647629031	34654.9310332652
K 766.491	K-R	n	200.00000000	200.00000000	mg/L	106422.11117861	-	-	147.31617419	0.14	908.10375577	Y-R (371.029 nm)	Linear	0.99989	Fitted	-559.896955485121	508.172152192355
Li 670.783	Li-R	n	10.00000000	10.00000000	mg/L	363170.09716098	-	-	922.80883542	0.25	29.48072291	Y-R (371.029 nm)	Linear	0.99998	FACT	-70.8088728158389	34768.6183718257
Mg 279.800	Mg-R	n	100.00000000	100.00000000	mg/L	44838.38150047	-	-	16.39260576	0.04	25.80799278	Y-R (371.029 nm)	Linear	0.99999	Fitted	-5.50782416458812	444.204145904673
Mn 257.610	Mn	n	10.00000000	10.00000000	mg/L	3481921.72777415	-	-	6395.97684962	0.18	2.48175770	Y (371.029 nm)	Linear	0.99998	Fitted	182.332202191037	361263.189513782
Mo 204.598	Mo	n	10.00000000	10.00000000	mg/L	139414.04309650	-	-	1093.91595055	0.78	3.66423949	Y (371.029 nm)	Linear	0.99999	Fitted	2.26393254963477	13603.5076404539
Na 589.592	Na-R	n			mg/L	897185.92561099	-	-	1958.03491753	0.22	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711
Ni 231.604	Ni	n	10.00000000	10.00000000	mg/L	189852.12503448	-	-	341.76440333	0.18	7.55593451	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-9.22476462110421	19613.7259708645
P 177.434	P	n			mg/L	-2.63702523	-	-	1.51007656	57.26		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	10.00000000	10.00000000	mg/L	102571.42879494	-	-	243.38931004	0.24	17.68078138	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	31.8581165849118	10515.4246211333
S 181.972	S	n			mg/L	295.30420093	-	-	4.58406471	1.55		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	30.00030000	30.00030000	mg/L	105667.72341357	-	-	107.68985840	0.10	7.09972314	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-24.988932291172	3478.50232966387
Se 196.026	Se	n	30.00000000	30.00000000	mg/L	99333.03370184	-	-	100.37231842	0.10	2.12735240	Y (371.029 nm)	Linear	0.99999	Fitted	24.3057975800241	3392.45818904912
Si 251.611	Si	n			mg/L	786.97980696	-	-	22.91213849	2.91		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	10.00000000	10.00000000	mg/L	98166.99111386	-	-	65.62563986	0.07	4.20606484	Y (371.029 nm)	Linear	0.99999	Fitted	25.9338045340857	10012.2487194661
Sr 421.552	Sr-R	n	50.00000000	50.00000000	mg/L	8831686.30844778	-	-	55495.21927453	0.63	0.95068544	Y-R (371.029 nm)	Linear	1.00000	Fitted	239.40448428024	178646.592347261
Ti 334.941	Ti	n	10.00000000	10.00000000	mg/L	2116611.40211777	-	-	12133.90748438	0.57	1.71170697	Y (371.029 nm)	Linear	1.00000	Fitted	80.8019926716156	205465.519689919
Tl 190.794	Tl	n	30.00030000	30.00030000	mg/L	129311.75623112	-	-	144.67728033	0.11	2.69987484	Y (371.029 nm)	Linear	0.99998	Fitted	5.29436255419792	4429.52068397658
V 292.401	V	n	5.00000000	5.00000000	mg/L	149145.00153050	-	-	175.66068424	0.12	1.80560376	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-26.4349676542492	29160.1891846572
Zn 206.200	Zn	n	30.00030000	30.00030000	mg/L	875216.91627485	-	-	1188.49284537	0.14	6.57450970	Y (371.029 nm)	Linear	0.99996	Fitted	28.4458925257219	32215.6727848683
Y 371.029	Y		0.91	0.91	Ratio	122684.59	0.01	0.90	1106.48	0.90		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21725.58	0.00	0.54	116.90	0.54		-	-	-	Fitted	-	-

Label: ICAL,L7,S20782

Rack:Tube: S1:8

Type: STD

Date Time: 7/1/2024 9:35:20 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Conc Replicates
Ag 328.068	Ag	n	2.00000000	2.00000000	mg/L	81786.73996867	-	-	539.52431167	0.66		Y (371.029 nm)	Linear	-	Fitted	-	-	2.00
Al 396.152	Al	n			mg/L	210.78831608	-	-	33.30341943	15.80	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835547	
As 188.980	As	n			mg/L	15.76241290	-	-	3.10430344	19.69	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878196	
B 249.678	B	n			mg/L	358.14334368	-	-	31.64241756	8.84	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383535	
Ba 230.424	Ba	n			mg/L	94.33316033	-	-	24.07820542	25.52	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378331	
Be 313.107	Be	n			mg/L	42.58467780	-	-	16.84767898	39.56	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777	
Ca 317.933	Ca-R	n			mg/L	734.53811549	-	-	15.87775856	2.16	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325	
Cd 214.439	Cd	n			mg/L	41.93363538	-	-	7.38599277	17.61	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859588	
Co 230.786	Co	n			mg/L	65.20942722	-	-	7.29561429	11.19	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466363	
Cr 267.716	Cr	n			mg/L	-30.31902116	-	-	6.74164226	22.24	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987174	
Cu 324.754	Cu	n			mg/L	980.39238559	-	-	30.82776894	3.14	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210848	
Fe 259.940	Fe	n			mg/L	250.43234627	-	-	11.84062311	4.73	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449956	
K 766.491	K-R	n			mg/L	29.38318664	-	-	24.22025111	82.43	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575871	
Li 670.783	Li-R	n			mg/L	31.92586071	-	-	34.00655955	> 100.00	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243422	
Mg 279.800	Mg-R	n			mg/L	3.83432545	-	-	2.16731743	56.52	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652216	
Mn 257.610	Mn	n			mg/L	413.71713787	-	-	10.04228928	2.43	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609	
Mo 204.598	Mo	n			mg/L	74.88552698	-	-	25.17464825	33.62	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854065	
Na 589.592	Na-R	n			mg/L	50.14029469	-	-	44.53712898	88.83	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711	
Ni 231.604	Ni	n			mg/L	-9.76653778	-	-	9.91778308	> 100.00	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993663	
P 177.434	P	n			mg/L	1.04308720	-	-	1.07929852	> 100.00		Y (371.029 nm)	Linear	-	Fitted	-	-	
Pb 220.353	Pb	n			mg/L	39.37991394	-	-	9.08245144	23.06	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276604	
S 181.972	S	n			mg/L	179.60813399	-	-	2.86251033	1.59		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sb 206.834	Sb	n			mg/L	-4.47811053	-	-	6.36037591	> 100.00	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955116	
Se 196.026	Se	n			mg/L	40.58911685	-	-	9.90715423	24.41	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350954	
Si 251.611	Si	n			mg/L	46.41244107	-	-	1.96356977	4.23		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sn 189.925	Sn	n			mg/L	49.50285793	-	-	3.76479790	7.61	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202724	
Sr 421.552	Sr-R	n			mg/L	169.79890379	-	-	5.72171804	3.37	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300918	
Ti 334.941	Ti	n			mg/L	545.35065821	-	-	172.35413817	31.60	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733159	
Tl 190.794	Tl	n			mg/L	9.97662481	-	-	3.44505484	34.53	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498312	
V 292.401	V	n			mg/L	-21.13324780	-	-	9.71986699	45.99	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727935	
Zn 206.200	Zn	n			mg/L	57.64102126	-	-	5.53592300	9.60	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181291	
Y 371.029	Y		0.98	0.98	Ratio	131171.68	0.01	0.82	1071.38	0.82		-	-	-	Fitted	-	-	0.97
Y 371.029	Y-R		0.98	0.98	Ratio	22939.29	0.00	0.26	58.81	0.26		-	-	-	Fitted	-	-	0.97

Label: ICAL,L8,S20759 Rack:Tube: S1:9 Type: STD

Date Time: 7/1/2024 9:38:27 AM Weight: - Volume: -

Dilution: - %RSE limit: - Calibration Coefficient [3]: -

LIMS ID: - Customer: - Customer Ref.: -

Sample Date Time: - Sample Site: - Description: -

Replicates: 3 Flags Replicate 1: - Flags Replicate 2: -

Flags Replicate 3: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	C
Ag 328.068	Ag	n			mg/L	36.52322749	-	-	13.80234784	37.79		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515342	
Al 396.152	Al	n			mg/L	282.92930284	-	-	5.09337871	1.80	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835547	
As 188.980	As	n			mg/L	15.97942903	-	-	6.88810750	43.11	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878196	
B 249.678	B	n			mg/L	338.11283756	-	-	15.83023455	4.68	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383535	
Ba 230.424	Ba	n			mg/L	53.54698830	-	-	2.42652072	4.53	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378331	
Be 313.107	Be	n			mg/L	4.53607828	-	-	3.47528184	76.61	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777	
Ca 317.933	Ca-R	n			mg/L	765.57224552	-	-	17.47324885	2.28	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325	
Cd 214.439	Cd	n			mg/L	30.99226984	-	-	4.43487555	14.31	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859588	
Co 230.786	Co	n			mg/L	54.46737267	-	-	16.33626111	29.99	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466363	
Cr 267.716	Cr	n			mg/L	-29.33394852	-	-	8.59335013	29.29	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987174	
Cu 324.754	Cu	n			mg/L	937.52888532	-	-	15.01871570	1.60	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210848	
Fe 259.940	Fe	n			mg/L	349.45898644	-	-	4.30214492	1.23	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449956	
K 766.491	K-R	n			mg/L	15.62853225	-	-	38.76113049	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575871	
Li 670.783	Li-R	n			mg/L	12.13014904	-	-	44.22598723	> 100.00	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243422	
Mg 279.800	Mg-R	n			mg/L	-1.39192666	-	-	1.40969322	> 100.00	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652216	
Mn 257.610	Mn	n			mg/L	412.26332402	-	-	6.08342885	1.48	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609	
Mo 204.598	Mo	n			mg/L	20.04065026	-	-	12.05485373	60.15	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854065	
Na 589.592	Na-R	n			mg/L	1.03717088	-	-	13.59740821	> 100.00	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711	
Ni 231.604	Ni	n			mg/L	-9.13280004	-	-	4.94583533	54.15	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993663	
P 177.434	P	n	10.00000000	10.00000000	mg/L	850.67841118	-	-	4.06177274	0.48		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Pb 220.353	Pb	n			mg/L	30.23249589	-	-	14.87970020	49.22	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276604	
S 181.972	S	n	10.00000000	10.00000000	mg/L	11204.79224270	-	-	45.33472546	0.40		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Sb 206.834	Sb	n			mg/L	-12.82587402	-	-	9.42615103	73.49	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955116	
Se 196.026	Se	n			mg/L	25.27346188	-	-	3.71422826	14.70	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350954	
Si 251.611	Si	n	10.00000000	10.00000000	mg/L	33879.57108076	-	-	22.26978538	0.07		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Sn 189.925	Sn	n			mg/L	26.14500672	-	-	0.26415386	1.01	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202724	
Sr 421.552	Sr-R	n			mg/L	79.66426093	-	-	5.61570047	7.05	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300918	
Ti 334.941	Ti	n			mg/L	607.01167281	-	-	144.63262554	23.83	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733159	
Tl 190.794	Tl	n			mg/L	3.07418570	-	-	1.62291932	52.79	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498312	
V 292.401	V	n			mg/L	-29.84917682	-	-	10.97451269	36.77	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727935	
Zn 206.200	Zn	n			mg/L	69.34115320	-	-	7.27573530	10.49	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181291	
Y 371.029	Y		0.99	0.99	Ratio	132633.23	0.01	0.65	862.45	0.65		-	-	-	Fitted	-	-	C
Y 371.029	Y-R		0.98	0.98	Ratio	23125.54	0.00	0.15	35.47	0.15		-	-	-	Fitted	-	-	C

Label: ICV.S21056	Rack/Tube: S1:12	Type: QC
Date Time: 7/1/2024 9:41:34 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.49163881	0.49163881	mg/L	20135.78661237	0.00059642	0.12131362	24.37863503	0.12		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951534
Al 396.152	Al	n	1.01916462	1.01916462	mg/L	39387.72899383	0.00105061	0.10308547	40.40369412	0.10	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483554
As 188.980	As	n	1.00898883	1.00898883	mg/L	4648.39011688	0.00158028	0.15661984	7.28656086	0.16	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987819
B 249.678	B	n	1.03459051	1.03459051	mg/L	36243.53944241	0.00694226	0.67101540	241.11165417	0.67	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938353
Ba 230.424	Ba	n	1.02305539	1.02305539	mg/L	135206.08053169	0.00424441	0.41487543	560.63192375	0.41	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737833
Be 313.107	Be	n	1.00724498	1.00724498	mg/L	1201653.79853783	0.00078351	0.07778729	934.75118875	0.08	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	50.10212611	50.10212611	mg/L	322753.14324451	0.04810508	0.09601404	309.20956284	0.10	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	n	1.00098233	1.00098233	mg/L	190825.65316408	0.00354021	0.35367357	674.70559410	0.35	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885958
Co 230.786	Co	n	1.01008554	1.01008554	mg/L	49534.75603869	0.00426962	0.42269932	209.16730930	0.42	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046636
Cr 267.716	Cr	n	0.97100800	0.97100800	mg/L	46564.89794046	0.00061766	0.06360973	29.64360932	0.06	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898717
Cu 324.754	Cu	n	1.01105102	1.01105102	mg/L	40427.49120000	0.00370266	0.36621843	144.84993346	0.36	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521084
Fe 259.940	Fe	n	1.01550367	1.01550367	mg/L	35290.09918853	0.00143429	0.14123974	49.67694969	0.14	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044995
K 766.491	K-R	n	Uncal	Uncal	mg/L	30009.65339034	-	-	139.36550641	0.46	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657587
Li 670.783	Li-R	n	0.99350346	0.99350346	mg/L	35201.70260076	0.00349924	0.35221223	124.30193220	0.35	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424342
Mg 279.800	Mg-R	n	49.81722159	49.81722159	mg/L	22318.87614850	0.02476563	0.04971298	11.09820241	0.05	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665221
Mn 257.610	Mn	n	0.98736962	0.98736962	mg/L	356768.93635397	0.00112659	0.11410034	406.83510746	0.11	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.13755260
Mo 204.598	Mo	n	1.00413301	1.00413301	mg/L	13662.25954922	0.00187621	0.18684913	25.52364768	0.19	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585406
Na 589.592	Na-R	n	30.05403574	30.05403574	mg/L	132847.73113563	0.05383834	0.17913847	238.11439900	0.18	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640271
Ni 231.604	Ni	n	0.98044438	0.98044438	mg/L	19024.86943808	0.00270268	0.27565852	52.44288348	0.28	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199366
P 177.434	P	n	5.18464691	5.18464691	mg/L	441.74094517	0.02670531	0.51508454	2.26839237	0.51		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643739
Pb 220.353	Pb	n	1.00825254	1.00825254	mg/L	10521.14822597	0.00169951	0.16855988	17.68116526	0.17	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327660
S 181.972	S	n	5.38456687	5.38456687	mg/L	6121.76978198	0.01497529	0.27811497	16.50286553	0.27		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.99519567	0.99519567	mg/L	3443.35917451	0.00108554	0.10907823	3.78785013	0.11	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295511
Se 196.026	Se	n	1.00181301	1.00181301	mg/L	3410.16503161	0.00155710	0.15542783	5.25087148	0.15	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2203135095
Si 251.611	Si	n	5.36365381	5.36365381	mg/L	18411.74233276	0.05000134	0.93222535	166.80809320	0.91		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0724246631
Sn 189.925	Sn	n	4.98459090	4.98459090	mg/L	49099.10754848	0.01372794	0.27540759	135.14682855	0.28	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6534120272
Sr 421.552	Sr-R	n	1.00645734	1.00645734	mg/L	180052.07517063	0.00359716	0.35740762	642.35989662	0.36	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.41730091
Ti 334.941	Ti	n	1.01835013	1.01835013	mg/L	210960.15346896	0.00788303	0.77409807	1632.51907061	0.77	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.87373315
Tl 190.794	Tl	n	1.02088235	1.02088235	mg/L	4453.89868398	0.00297008	0.29093238	12.94000155	0.29	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7894249831
V 292.401	V	n	1.01173884	1.01173884	mg/L	29691.21705816	0.00143061	0.14140083	42.01890404	0.14	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872793
Zn 206.200	Zn	n	1.02098274	1.02098274	mg/L	31257.80323994	0.00209090	0.20479310	63.91524342	0.20	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018129
Y 371.029	Y	n	0.93	0.93	Ratio	125445.79	0.01	0.97	1217.37	0.97		-	-	-	Fitted	-	-
Y 371.029	Y-R	n	0.95	0.95	Ratio	22218.60	0.00	0.12	26.67	0.12		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794264073011	File: icp data	Time: 01-JUL-2024 09:45
Cal: 794264073001	Caldate: 01-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	129928	-3.25
Yttrium	R	23485	22907	-2.46

Label: ICB	Rack: Tube: S1:1	Type: QC
Date Time: 7/1/2024 9:45:14 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00002434	-0.00002434	mg/L	36.51434283	0.00028553	1173.05324213	11.67094540	31.96		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515342
Al 396.152	Al	n	0.00665346	0.00665346	mg/L	171.37378493	0.00131406	19.75009877	50.53542947	29.49	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835541
As 188.980	As	n	0.00329877	0.00329877	mg/L	11.33432018	0.00136437	41.35982126	6.29101076	55.50	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878196
B 249.678	B	n	0.03013795	0.03013795	mg/L	1354.32911614	0.00059258	1.96622036	20.58084138	1.52	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383531
Ba 230.424	Ba	nu	-0.00007635	-0.00007635	mg/L	56.17226796	0.00005596	73.29531180	7.39126041	13.16	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378331
Be 313.107	Be	n	0.00002761	0.00002761	mg/L	11.97343784	0.00000357	12.91613873	4.25493623	35.54	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.46377777
Ca 317.933	Ca-R	n	0.00369746	0.00369746	mg/L	732.90981034	0.00138814	37.54315960	8.92269501	1.22	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	nu	-0.00013506	-0.00013506	mg/L	27.87406114	0.00003192	23.63220906	6.08301262	21.82	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859581
Co 230.786	Co	nu	0.00004538	0.00004538	mg/L	51.38764153	0.00007581	167.06074457	3.71390095	7.23	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466361
Cr 267.716	Cr	nu	0.00002518	0.00002518	mg/L	-39.08434276	0.00013571	539.06550710	6.51329027	16.66	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987171
Cu 324.754	Cu	n	0.00254442	0.00254442	mg/L	965.48140227	0.00017203	6.76122211	6.73004869	0.70	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210841
Fe 259.940	Fe	nu	-0.00064467	-0.00064467	mg/L	40.16803330	0.00023692	36.75076721	8.20579411	20.43	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449951
K 766.491	K-R	n	Uncal	Uncal	mg/L	18.08654694	-	-	20.17509132	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575871
Li 670.783	Li-R	n	0.00531388	0.00531388	mg/L	84.33846127	0.00121013	22.77295547	42.98679140	50.97	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243421
Mg 279.800	Mg-R	n	0.02293827	0.02293827	mg/L	4.30159911	0.00070828	3.08778206	0.31740275	7.38	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652211
Mn 257.610	Mn	n	0.00031917	0.00031917	mg/L	298.46480825	0.00005665	17.75058389	20.45909434	6.85	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552601
Mo 204.598	Mo	n	0.00112166	0.00112166	mg/L	17.42736573	0.00023157	20.64503853	3.15019923	18.08	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854061
Na 589.592	Na-R	n	0.01930548	0.01930548	mg/L	15.25076423	0.00283624	14.69135771	12.54401489	82.25	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711
Ni 231.604	Ni	nu	-0.00010570	-0.00010570	mg/L	-6.06861586	0.00031343	296.52557164	6.08173815	> 100.00	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993661
P 177.434	P	nu	0.00750365	0.00750365	mg/L	1.89968014	0.00682096	90.90181694	0.57938297	30.50		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437391
Pb 220.353	Pb	nu	0.00007271	0.00007271	mg/L	34.96370120	0.00123518	1698.77183908	12.85040663	36.75	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276601
S 181.972	S	nu	0.00106279	0.00106279	mg/L	185.89753402	0.00788819	742.21560620	8.69283341	4.68		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.00210917	0.00210917	mg/L	-21.73342742	0.00136781	64.85050805	4.77278673	21.96	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955111
Se 196.026	Se	nu	-0.00147981	-0.00147981	mg/L	26.43399779	0.00266393	180.01910188	8.98337438	33.98	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350951
Si 251.611	Si	nu	-0.00668381	-0.00668381	mg/L	496.54969465	0.00715232	107.00960216	23.86065587	4.81		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466311
Sn 189.925	Sn	n	0.00080618	0.00080618	mg/L	35.17651225	0.00051712	64.14525289	5.09090934	14.47	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202721
Sr 421.552	Sr-R	nu	-0.00106486	-0.00106486	mg/L	50.42317313	0.00006686	6.27885228	11.93960936	23.68	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300911
Ti 334.941	Ti	n	0.00032958	0.00032958	mg/L	135.98142066	0.00013023	39.51455286	26.97007121	19.83	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733151
Tl 190.794	Tl	nu	-0.00062893	-0.00062893	mg/L	3.39251558	0.00040725	64.75230949	1.77429656	52.30	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498311
V 292.401	V	nu	0.00017164	0.00017164	mg/L	-23.54979438	0.00031620	184.22518026	9.28723735	39.44	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727931
Zn 206.200	Zn	nu	-0.00069946	-0.00069946	mg/L	20.33372856	0.00037598	53.75261493	11.49295992	56.52	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181291
Y 371.029	Y		0.97	0.97	Ratio	129928.35	0.01	0.60	776.99	0.60		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.98	0.98	Ratio	22906.59	0.01	0.62	143.07	0.62		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794264073013	File: icp data
Cal: 794264073001	Time: 01-JUL-2024 09:51
Caldate: 01-JUL-2024	

Standards: S20577

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.005431]	0.003333	mg/L	!a-

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	389.5	mg/L	97	
Aluminum as Al2O3	A	755.8	736.0	mg/L	97	
Iron	A	160.0	146.2	mg/L	91	
Iron as Fe2O3	A	228.8	209.1	mg/L	91	
Calcium	R	400.0	385.8	mg/L	96	
Calcium as CaCO3	R	998.9	963.5	mg/L	96	
Magnesium	R	400.0	393.9	mg/L	98	
Magnesium as MgCO3	R	1388	1367	mg/L	98	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	112973	-15.88
Yttrium	R	23485	20613	-12.23

!=warning -=low bias a=ICSA

Label: ICSA,S20577 Rack/Tube: S1:14 Type: QC
Date Time: 7/1/2024 9:51:30 AM Weight: - Volume: -
Dilution: - %RSE limit: - Calibration Coefficient [3]: -
LIMS ID: - Customer: - Customer Ref.: -
Sample Date Time: - Sample Site: - Description: -
Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration
Ag 328.068	Ag	nu	-0.00009308	-0.00009308	mg/L	41.05119995	0.00053475	574.49665831	21.85788260	53.25		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6
Al 396.152	Al	no	389.54532706	389.54532706	mg/L	14983368.50853930	0.39754336	0.10205317	15288.46184028	0.10	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3
As 188.980	As	n	0.00426153	0.00426153	mg/L	20.48677138	0.00342096	80.27543209	15.77383571	77.00	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93
B 249.678	B	nu	-0.00613528	-0.00613528	mg/L	126.59874033	0.00052985	8.63609921	18.40218281	14.54	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9
Ba 230.424	Ba	n	0.00291898	0.00291898	mg/L	614.72994100	0.00013743	4.70802648	18.15227009	2.95	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087
Be 313.107	Be	n	0.00004802	0.00004802	mg/L	3.92002141	0.00000282	5.86829082	3.36203245	85.77	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	119303
Ca 317.933	Ca-R	no	385.81593747	385.81593747	mg/L	2480726.16906911	0.57478483	0.14897903	3694.59890724	0.15	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.75
Cd 214.439	Cd	n	0.00057187	0.00057187	mg/L	519.79349503	0.00008315	14.54024244	15.84714018	3.05	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583
Co 230.786	Co	nu	-0.00109955	-0.00109955	mg/L	63.60189636	0.00022194	20.18436778	10.87259409	17.09	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6
Cr 267.716	Cr	nu	-0.00069626	-0.00069626	mg/L	-35.28317544	0.00014255	20.47391280	6.84162556	19.39	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7
Cu 324.754	Cu	nu	-0.00324371	-0.00324371	mg/L	770.98541045	0.00031634	9.75252962	12.37553571	1.61	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5
Fe 259.940	Fe	no	146.22931322	146.22931322	mg/L	5065194.77262155	0.79968244	0.54686877	27697.08548206	0.55	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1
K 766.491	K-R	n	Uncal	Uncal	mg/L	3.63622676	-	-	39.35289960	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601
Li 670.783	Li-R	n	0.00740674	0.00740674	mg/L	293.73773178	0.00097133	13.11417153	34.50419280	11.75	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5
Mg 279.800	Mg-R	no	393.93348788	393.93348788	mg/L	176555.65583111	0.45628634	0.11582827	204.47526948	0.12	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.125
Mn 257.610	Mn	nu	-0.00010376	-0.00010376	mg/L	740.41513651	0.00005782	55.72723781	20.88161206	2.82	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120
Mo 204.598	Mo	n	0.00276214	0.00276214	mg/L	118.96242498	0.00102522	37.11693538	13.94693894	11.72	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8
Na 589.592	Na-R	n	0.10217552	0.10217552	mg/L	315.05871727	0.00806633	7.89458512	35.67550850	11.32	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76
Ni 231.604	Ni	nu	-0.00124430	-0.00124430	mg/L	27.18488535	0.00007356	5.91171648	1.42734935	5.25	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0
P 177.434	P	nu	0.01999189	0.01999189	mg/L	3.48672979	0.02565947	128.34943822	2.17955687	62.51		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416
Pb 220.353	Pb	nu	-0.00543067	-0.00543067	mg/L	-630.40505647	0.00034122	6.28323821	3.54996640	0.56	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6
S 181.972	S	n	0.02153157	0.02153157	mg/L	307.59238570	0.00266891	12.39531863	2.94115342	0.96		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.00
Sb 206.834	Sb	n	0.00641532	0.00641532	mg/L	-6.04666579	0.00326351	50.87054585	11.38757131	> 100.00	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36
Se 196.026	Se	nu	-0.00536153	-0.00536153	mg/L	11.07227362	0.00252833	47.15695570	8.52609977	77.00	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22
Si 251.611	Si	nu	-0.14933431	-0.14933431	mg/L	35.59954285	0.00260340	1.74333465	8.68512035	24.40		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07
Sn 189.925	Sn	nu	-0.00170700	-0.00170700	mg/L	23.95096178	0.00057657	33.77673198	5.67611481	23.70	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65
Sr 421.552	Sr-R	n	0.01795785	0.01795785	mg/L	4123.62196495	0.00009692	0.53972871	17.30808748	0.42	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574
Ti 334.941	Ti	nu	-0.00024652	-0.00024652	mg/L	48.83563608	0.00001756	7.12269218	3.63630730	7.45	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092
Tl 190.794	Tl	nu	-0.00130705	-0.00130705	mg/L	5.08480702	0.00132990	101.74826707	5.79408084	> 100.00	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78
V 292.401	V	nu	-0.00172635	-0.00172635	mg/L	-169.48707212	0.00005352	3.10018550	1.57195694	0.93	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3
Zn 206.200	Zn	nu	-0.03231069	-0.03231069	mg/L	125.36399842	0.00019283	0.59681469	5.89462846	4.70	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2
Y 371.029	Y		0.84	0.84	Ratio	112972.64	0.01	0.82	928.69	0.82		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.88	0.88	Ratio	20612.54	0.00	0.26	53.20	0.26		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794264073014	File: icp data
Cal: 794264073001	Time: 01-JUL-2024 09:54
Caldate: 01-JUL-2024	

Standards: S21007

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9400	mg/L	-6	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	113054	-15.82
Yttrium	R	23485	20576	-12.39

Label: ICSAB,S20763

Rack/Tube: S1:15

Type: QC

Date Time: 7/1/2024 9:54:38 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration
Ag 328.068	Ag	n	1.03885200	1.03885200	mg/L	42507.43987400	0.00353132	0.33992550	144.34146336	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.
Al 396.152	Al	no	383.48589401	383.48589401	mg/L	14750305.45683360	0.32061557	0.08360557	12330.02359817	0.08	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.
As 188.980	As	n	0.00239883	0.00239883	mg/L	11.83228702	0.00061558	25.66165135	2.83839401	23.99	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9
B 249.678	B	nu	-0.00596442	-0.00596442	mg/L	132.07327278	0.00038890	6.52038134	13.50697463	10.23	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.
Ba 230.424	Ba	n	0.50830648	0.50830648	mg/L	67367.67442280	0.00242623	0.47731631	320.47405877	0.48	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	13208.
Be 313.107	Be	n	0.49851156	0.49851156	mg/L	594687.54789088	0.00135516	0.27184203	1616.75456687	0.27	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	11930.
Ca 317.933	Ca-R	no	381.13964762	381.13964762	mg/L	2450666.99979449	0.75795948	0.19886660	4872.00794621	0.20	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7
Cd 214.439	Cd	n	0.91741033	0.91741033	mg/L	175249.22011329	0.00491934	0.53622026	937.54504412	0.53	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	19058.
Co 230.786	Co	n	0.46111697	0.46111697	mg/L	22706.48467474	0.00081065	0.17580050	39.71323964	0.17	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.
Cr 267.716	Cr	n	0.48011681	0.48011681	mg/L	23040.23756633	0.00073869	0.15385538	35.45229442	0.15	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.
Cu 324.754	Cu	n	0.54472395	0.54472395	mg/L	22207.25025878	0.00103509	0.19002060	40.49320927	0.18	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.
Fe 259.940	Fe	no	144.30602268	144.30602268	mg/L	4998575.06546954	0.25903623	0.17950480	8971.74715226	0.18	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.
K 766.491	K-R	n	Uncal	Uncal	mg/L	22.75755909	-	-	47.47950637	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60
Li 670.783	Li-R	n	0.00659440	0.00659440	mg/L	263.01048873	0.00061222	9.28391337	21.74754703	8.27	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.
Mg 279.800	Mg-R	no	388.90436255	388.90436255	mg/L	174301.57114334	0.69294648	0.17817915	310.52960483	0.18	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12
Mn 257.610	Mn	n	0.48069459	0.48069459	mg/L	174358.16468765	0.00066504	0.13834996	240.15961856	0.14	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	36112.
Mo 204.598	Mo	n	0.00240574	0.00240574	mg/L	113.00294679	0.00078209	32.50922386	10.63936726	9.42	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.
Na 589.592	Na-R	n	7.34607868	7.34607868	mg/L	32354.08786349	0.00458246	0.06237968	20.26715308	0.06	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7
Ni 231.604	Ni	n	0.90301179	0.90301179	mg/L	17572.62849708	0.00208636	0.23104432	40.48376534	0.23	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.
P 177.434	P	nu	0.00091427	0.00091427	mg/L	1.85876937	0.01042739	1140.51894323	0.88571911	47.65		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941
Pb 220.353	Pb	n	0.93998288	0.93998288	mg/L	9213.93473269	0.00285256	0.30346949	29.67715838	0.32	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.
S 181.972	S	n	0.02430272	0.02430272	mg/L	309.28875726	0.00318395	13.10119832	3.50873169	1.13		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.0
Sb 206.834	Sb	n	0.00672874	0.00672874	mg/L	-4.95440531	0.00247137	36.72856296	8.62350149	> 100.00	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3
Se 196.026	Se	nu	-0.00566942	-0.00566942	mg/L	10.06195457	0.00082227	14.50351486	2.77286032	27.56	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2
Si 251.611	Si	nu	-0.14695463	-0.14695463	mg/L	43.33070928	0.00353940	2.40850119	11.80770781	27.25		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0
Sn 189.925	Sn	nu	-0.00171284	-0.00171284	mg/L	23.70849632	0.00148072	86.44805264	14.57717957	61.49	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6
Sr 421.552	Sr-R	n	0.01767777	0.01767777	mg/L	4065.16810555	0.00004030	0.22798387	7.19699085	0.18	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	17857.
Ti 334.941	Ti	nu	-0.00020083	-0.00020083	mg/L	57.81029649	0.00007165	35.67555773	14.83799266	25.67	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	20709.
Tl 190.794	Tl	nu	-0.00034889	-0.00034889	mg/L	9.19563661	0.00085740	245.74912293	3.73549203	40.62	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7
V 292.401	V	n	0.50635243	0.50635243	mg/L	14754.73400663	0.00066482	0.13129621	19.52672562	0.13	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.
Zn 206.200	Zn	n	0.89039118	0.89039118	mg/L	28316.23254886	0.00217700	0.24449962	66.54719567	0.24	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.
Y 371.029	Y		0.84	0.84	Ratio	113053.82	0.01	0.69	778.58	0.69		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.88	0.88	Ratio	20576.17	0.00	0.33	67.83	0.33		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 510950 METALS Wipe
EPA 6010B

Inst:	MET12	IDF:	1.0
Seqnum:	794264073037	File:	icp data
Cal:	794264073001	Caldate:	01-JUL-2024
		Time:	01-JUL-2024 11:06

Standards: S21056

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	12066	10271	1.000	0.9842	mg/L	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	123105	-8.33
Yttrium	R	23485	21794	-7.20

Label: CCV,S21056	Rack/Tube: S1:12	Type: QC
Date Time: 7/1/2024 11:06:26 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.49556085	0.49556085	mg/L	20296.02251175	0.00158175	0.31918303	64.65326271	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951534
Al 396.152	Al	n	1.02290936	1.02290936	mg/L	39525.67881951	0.00131562	0.12861518	50.59512428	0.13	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483554
As 188.980	As	n	0.99290346	0.99290346	mg/L	4574.22708998	0.00204319	0.20577949	9.42103381	0.21	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987819
B 249.678	B	n	1.04568534	1.04568534	mg/L	36628.75282677	0.00808457	0.77313607	280.78517711	0.77	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938353
Ba 230.424	Ba	n	1.02397330	1.02397330	mg/L	135327.05313930	0.00595635	0.58168998	786.75800385	0.58	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737833
Be 313.107	Be	n	1.01151443	1.01151443	mg/L	1206747.41965191	0.00092564	0.09151025	1104.31779878	0.09	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	49.05545278	49.05545278	mg/L	316025.45827562	0.11972642	0.24406343	769.57686924	0.24	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	n	0.96884436	0.96884436	mg/L	184700.69945765	0.00657896	0.67905269	1253.84192400	0.68	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885958
Co 230.786	Co	n	0.99529167	0.99529167	mg/L	48809.96204883	0.00604173	0.60703071	295.98188878	0.61	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046636
Cr 267.716	Cr	n	0.96495473	0.96495473	mg/L	46274.32545489	0.00048428	0.05018703	23.24252054	0.05	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898717
Cu 324.754	Cu	n	1.03149696	1.03149696	mg/L	41226.99729552	0.00706492	0.68491958	276.38378952	0.67	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521084
Fe 259.940	Fe	n	1.02134652	1.02134652	mg/L	35490.80264451	0.00059420	0.05817814	20.58019446	0.06	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044995
K 766.491	K-R	n	Uncal	Uncal	mg/L	30207.74640658	-	-	71.16925532	0.24	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657587
Li 670.783	Li-R	n	1.04486836	1.04486836	mg/L	37025.85348376	0.00154429	0.14779766	54.85714409	0.15	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424342
Mg 279.800	Mg-R	n	47.86748945	47.86748945	mg/L	21445.14069924	0.13497399	0.28197423	60.48579505	0.28	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665221
Mn 257.610	Mn	n	0.98788582	0.98788582	mg/L	356954.43820779	0.00062945	0.06371676	227.30665440	0.06	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.13755260
Mo 204.598	Mo	n	1.01140421	1.01140421	mg/L	13761.18602860	0.00102056	0.10090530	13.88350536	0.10	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585406
Na 589.592	Na-R	n	30.62065484	30.62065484	mg/L	135353.89683012	0.03365454	0.10990797	148.84617816	0.11	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640271
Ni 231.604	Ni	n	0.96461239	0.96461239	mg/L	18717.50339381	0.00172073	0.17838605	33.38919168	0.18	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199366
P 177.434	P	n	4.36297474	4.36297474	mg/L	371.94372088	0.00657968	0.15080720	0.55888860	0.15		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643739
Pb 220.353	Pb	n	0.98422617	0.98422617	mg/L	10271.21007154	0.00070114	0.07123719	7.29439083	0.07	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327660
S 181.972	S	n	5.12398848	5.12398848	mg/L	5834.55670876	0.02838345	0.55393283	31.27875562	0.54		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.99536098	0.99536098	mg/L	3443.93900816	0.00410084	0.41199560	14.30933448	0.42	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295511
Se 196.026	Se	n	0.97895127	0.97895127	mg/L	3333.05790497	0.00043100	0.04402679	1.45342987	0.04	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2203135095
Si 251.611	Si	n	5.37633505	5.37633505	mg/L	18454.07588962	0.06819366	1.26840416	227.49897961	1.23		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0724246631
Sn 189.925	Sn	n	4.80167345	4.80167345	mg/L	47298.34339910	0.03704105	0.77141965	364.65632513	0.77	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6534120272
Sr 421.552	Sr-R	n	1.02571056	1.02571056	mg/L	183488.69992799	0.00135400	0.13200590	241.78948784	0.13	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.41730091
Ti 334.941	Ti	n	1.03844720	1.03844720	mg/L	215122.09156309	0.00429418	0.41351907	889.29351092	0.41	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.87373315
Tl 190.794	Tl	n	1.00041213	1.00041213	mg/L	4364.71709112	0.00193622	0.19354266	8.43572124	0.19	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7894249831
V 292.401	V	n	1.01687247	1.01687247	mg/L	29841.90174210	0.00102561	0.10085889	30.12347160	0.10	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872793
Zn 206.200	Zn	n	0.98386826	0.98386826	mg/L	30123.30045265	0.00254460	0.25863231	77.78403023	0.26	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018129
Y 371.029	Y		0.92	0.92	Ratio	123105.15	0.01	0.67	821.99	0.67		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	21794.13	0.00	0.23	50.75	0.23		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 510950 METALS Wipe
EPA 6010B

Inst:	MET12	IDF:	1.0
Seqnum:	794264073038	File:	icp data
Cal:	794264073001	Caldate:	01-JUL-2024
		Time:	01-JUL-2024 11:09

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.003245]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	127397	-5.14
Yttrium	R	23485	22318	-4.97

!=warning CCB=instrument blank

Label: CCB	Rack/Tube: S1:1	Type: QC
Date Time: 7/1/2024 11:09:33 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00030876	-0.00030876	mg/L	24.88928198	0.00013656	44.22967101	5.58196842	22.43		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515342
Al 396.152	Al	n	0.00707777	0.00707777	mg/L	187.78318799	0.00061016	8.62085451	23.46529457	12.50	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835547
As 188.980	As	n	0.00234765	0.00234765	mg/L	6.94875965	0.00162801	69.34648816	7.50665802	> 100.00	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878196
B 249.678	B	n	0.02824872	0.02824872	mg/L	1288.71448854	0.00075364	2.66785616	26.17449813	2.03	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383535
Ba 230.424	Ba	nu	-0.00006778	-0.00006778	mg/L	57.30519789	0.00015322	226.04573380	20.23891879	35.32	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378331
Be 313.107	Be	n	0.00002692	0.00002692	mg/L	11.14846156	0.00000547	20.31087840	6.52351377	58.51	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	0.00538244	0.00538244	mg/L	743.74266130	0.00067060	12.45902799	4.31047743	0.58	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	nu	-0.00012551	-0.00012551	mg/L	29.70306979	0.00006167	49.13666230	11.75362171	39.57	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859588
Co 230.786	Co	nu	-0.00014787	-0.00014787	mg/L	41.92197489	0.00018565	125.54773502	9.09501226	21.70	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466363
Cr 267.716	Cr	nu	-0.00005217	-0.00005217	mg/L	-42.79529040	0.00013765	263.85219081	6.60627377	15.44	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987174
Cu 324.754	Cu	n	0.00308133	0.00308133	mg/L	986.48504109	0.00017423	5.65444422	6.81606724	0.69	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210848
Fe 259.940	Fe	n	0.00146654	0.00146654	mg/L	113.30304717	0.00022127	15.08803842	7.66376893	6.76	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449956
K 766.491	K-R	n	Uncal	Uncal	mg/L	-52.38201602	-	-	67.75195722	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575871
Li 670.783	Li-R	n	0.00827004	0.00827004	mg/L	189.35235294	0.00033859	4.09419692	12.02764599	6.35	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243422
Mg 279.800	Mg-R	n	0.01784893	0.01784893	mg/L	2.02164717	0.00439922	24.64696111	1.97141902	97.52	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652216
Mn 257.610	Mn	nu	-0.00006798	-0.00006798	mg/L	158.67095666	0.00002528	37.19118430	9.13024015	5.75	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609
Mo 204.598	Mo	nu	0.00120453	0.00120453	mg/L	18.55531403	0.00027927	23.18486506	3.79911929	20.47	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854065
Na 589.592	Na-R	n	0.01624832	0.01624832	mg/L	1.72852357	0.00195271	12.01790783	8.63637416	> 100.00	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711
Ni 231.604	Ni	nu	-0.00082149	-0.00082149	mg/L	-19.95647294	0.00038284	46.60284585	7.42857111	37.22	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993663
P 177.434	P	nu	-0.00033458	-0.00033458	mg/L	1.23390183	0.00235289	703.22978169	0.19985855	16.20		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437392
Pb 220.353	Pb	n	0.00324494	0.00324494	mg/L	67.96183948	0.00060784	18.73196536	6.32378482	9.30	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276604
S 181.972	S	nu	-0.03142515	-0.03142515	mg/L	150.09711981	0.00340964	10.85004694	3.75745038	2.50		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	0.00243190	0.00243190	mg/L	-20.60695670	0.00302089	124.21916569	10.54098349	51.15	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955116
Se 196.026	Se	nu	-0.00408671	-0.00408671	mg/L	17.64276443	0.00084883	20.77060317	2.86245824	16.22	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350954
Si 251.611	Si	nu	-0.01424464	-0.01424464	mg/L	471.32625234	0.00135347	9.50158087	4.51526125	0.96		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466314
Sn 189.925	Sn	n	0.00037188	0.00037188	mg/L	30.90127320	0.00045174	121.47326770	4.44718103	14.39	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202724
Sr 421.552	Sr-R	nu	-0.00108497	-0.00108497	mg/L	46.85960849	0.00012708	11.71294979	22.69350886	48.43	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300918
Ti 334.941	Ti	n	0.00061918	0.00061918	mg/L	195.95654210	0.00020010	32.31716266	41.43989626	21.15	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733159
Tl 190.794	Tl	nu	-0.00124260	-0.00124260	mg/L	0.71895470	0.00022751	18.30940260	0.99122352	> 100.00	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498312
V 292.401	V	n	0.00045703	0.00045703	mg/L	-15.16949285	0.00009137	19.99334590	2.68380899	17.69	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727935
Zn 206.200	Zn	nu	-0.00033648	-0.00033648	mg/L	31.45668177	0.00021443	63.72894277	6.55485265	20.84	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181291
Y 371.029	Y		0.95	0.95	Ratio	127396.94	0.01	0.69	878.81	0.69		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.95	0.95	Ratio	22318.10	0.00	0.25	55.90	0.25		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 510950 METALS Wipe
EPA 6010B

Inst:	MET12	IDF:	1.0
Seqnum:	794264073049	File:	icp data
Cal:	794264073001	Caldate:	01-JUL-2024
		Time:	01-JUL-2024 11:46

Standards: S21056

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	12066	10301	1.000	0.9871	mg/L	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	123815	-7.80
Yttrium	R	23485	21980	-6.41

Label: CCV,S21056	Rack:Tube: S1:12	Type: QC
Date Time: 7/1/2024 11:46:24 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.49841616	0.49841616	mg/L	20412.73306814	0.00160222	0.32146228	65.49012388	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.614951534
Al 396.152	Al	n	1.02560400	1.02560400	mg/L	39629.51160470	0.00330774	0.32251668	127.20704905	0.32	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.344483554
As 188.980	As	n	1.00173190	1.00173190	mg/L	4614.93450072	0.00318551	0.31800072	14.68821649	0.32	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.9398987819
B 249.678	B	n	1.04137316	1.04137316	mg/L	36478.98422491	0.00651634	0.62574488	226.31894408	0.62	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.994938353
Ba 230.424	Ba	n	1.02265228	1.02265228	mg/L	135152.55283956	0.00301482	0.29480367	398.21887400	0.29	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.26737833
Be 313.107	Be	n	1.01626805	1.01626805	mg/L	1212418.64090629	0.00111073	0.10929506	1325.13789744	0.11	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n	49.05902331	49.05902331	mg/L	316048.41206046	0.04608954	0.09394712	296.25408469	0.09	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	n	0.97362063	0.97362063	mg/L	185610.97274601	0.00488625	0.50186430	931.23946241	0.50	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.49885958
Co 230.786	Co	n	0.99697502	0.99697502	mg/L	48892.42758464	0.00384134	0.38529919	188.18564017	0.38	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.624046636
Cr 267.716	Cr	n	0.96522539	0.96522539	mg/L	46287.31827367	0.00181140	0.18766619	86.93597300	0.19	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.756898717
Cu 324.754	Cu	n	1.04034920	1.04034920	mg/L	41573.29125853	0.00709841	0.68231078	277.69394106	0.67	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.557521084
Fe 259.940	Fe	n	1.01627212	1.01627212	mg/L	35315.04184035	0.00178212	0.17535855	61.72391390	0.17	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.105044995
K 766.491	K-R	n	Uncal	Uncal	mg/L	30349.01524920	-	-	47.99791637	0.16	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.60190657587
Li 670.783	Li-R	n	1.04810312	1.04810312	mg/L	37140.75411458	0.00148343	0.14153465	52.69517445	0.14	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.544424342
Mg 279.800	Mg-R	n	47.66653592	47.66653592	mg/L	21355.08725765	0.06679808	0.14013621	29.93417380	0.14	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.12927665221
Mn 257.610	Mn	n	0.98591142	0.98591142	mg/L	356241.41129402	0.00151024	0.15318206	545.37785435	0.15	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.13755260
Mo 204.598	Mo	n	1.01620893	1.01620893	mg/L	13826.54690787	0.00395422	0.38911468	53.79241481	0.39	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.805585406
Na 589.592	Na-R	n	30.79353774	30.79353774	mg/L	136118.52145631	0.01309003	0.04250901	57.89413899	0.04	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.7664640271
Ni 231.604	Ni	n	0.96735000	0.96735000	mg/L	18770.61909404	0.00339568	0.35102944	65.88997805	0.35	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.041199366
P 177.434	P	n	4.37271156	4.37271156	mg/L	372.77072141	0.05715871	1.30716843	4.85515237	1.30		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.941608643739
Pb 220.353	Pb	n	0.98708448	0.98708448	mg/L	10300.96363766	0.00459965	0.46598295	47.85327658	0.46	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.688327660
S 181.972	S	n	5.18145155	5.18145155	mg/L	5897.88291892	0.02876024	0.55506145	31.69397599	0.54		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n	1.00558487	1.00558487	mg/L	3479.61378606	0.00350894	0.34894522	12.24396935	0.35	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.3637295511
Se 196.026	Se	n	0.98722409	0.98722409	mg/L	3360.95575602	0.00192325	0.19481355	6.48561032	0.19	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.2203135095
Si 251.611	Si	n	5.38229420	5.38229420	mg/L	18473.95637713	0.06013670	1.11730601	200.62037517	1.09		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.0724246631
Sn 189.925	Sn	n	4.83527505	4.83527505	mg/L	47629.13944998	0.03747808	0.77509725	368.95874521	0.77	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.6534120272
Sr 421.552	Sr-R	n	1.02989594	1.02989594	mg/L	184236.20241221	0.00136503	0.13254052	243.75933605	0.13	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.41730091
Ti 334.941	Ti	n	1.03812790	1.03812790	mg/L	215055.95990419	0.00503229	0.48474695	1042.15208038	0.48	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.87373315
Tl 190.794	Tl	n	1.01262650	1.01262650	mg/L	4417.93270049	0.00107048	0.10571335	4.66386227	0.11	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.7894249831
V 292.401	V	n	1.02008798	1.02008798	mg/L	29936.35041002	0.00108881	0.10673683	31.97983969	0.11	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.379872793
Zn 206.200	Zn	n	1.06887958	1.06887958	mg/L	32721.93837013	0.00612272	0.57281638	187.16081481	0.57	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.260018129
Y 371.029	Y		0.92	0.92	Ratio	123815.30	0.01	0.92	1137.24	0.92		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	21979.96	0.00	0.15	32.18	0.15		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 510950 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794264073051	File: icp data	Time: 01-JUL-2024 11:55
Cal: 794264073001	Caldate: 01-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	134295	130571	-2.77
Yttrium	R	23485	22679	-3.43

Label: CCB	Rack/Tube: S1:1	Type: QC
Date Time: 7/1/2024 11:55:44 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nlu	0.00002794	0.00002794	mg/L	38.65125216	0.00015430	552.29887680	6.30688345	16.32		Y (371.029 nm)	Linear	1.00000	Fitted	37.5100656012261	40874.6149515342
Al 396.152	Al	n!	0.00705981	0.00705981	mg/L	186.99416100	0.00052568	7.44602538	20.21607203	10.81	81.04080111	Y (371.029 nm)	Linear	0.99986	Fitted	-84.4217119935365	38457.3444835547
As 188.980	As	n!	0.00270367	0.00270367	mg/L	8.59030370	0.00092275	34.12955101	4.25474010	49.53	47.03592555	Y (371.029 nm)	Linear	0.99999	Fitted	-3.87626133148524	4610.93989878196
B 249.678	B	n!	0.02715469	0.02715469	mg/L	1250.71774340	0.00026002	0.95755663	9.03080634	0.72	31.82715297	Y (371.029 nm)	Linear	0.99995	Fitted	307.608218770482	34730.9949383535
Ba 230.424	Ba	nlu	-0.00016899	-0.00016899	mg/L	43.93573921	0.00012239	72.42409926	16.16610652	36.79	4.85863269	Y (371.029 nm)	Linear	1.00000	Fitted	66.2554118075357	132087.267378331
Be 313.107	Be	n!	0.00002376	0.00002376	mg/L	7.38280625	0.00000371	15.60088391	4.42319022	59.91	1.69595030	Y (371.029 nm)	Linear	0.99999	Fitted	-20.9691763317883	1193032.4637777
Ca 317.933	Ca-R	n!	0.00430357	0.00430357	mg/L	736.80526783	0.00131993	30.67066565	8.48426049	1.15	8.63595693	Y-R (371.029 nm)	Linear	1.00000	Fitted	709.143081497724	6427.7947574325
Cd 214.439	Cd	nlu	-0.00015817	-0.00015817	mg/L	23.46940274	0.00003361	21.24753680	6.40496534	27.29	2.48801763	Y (371.029 nm)	Linear	0.99991	Fitted	53.6137850090297	190583.498859588
Co 230.786	Co	nlu	-0.00032080	-0.00032080	mg/L	33.44848288	0.00016635	51.85467112	8.14951159	24.36	9.17789439	Y (371.029 nm)	Linear	1.00000	Fitted	49.1647348154278	48989.6240466363
Cr 267.716	Cr	nlu	-0.00003065	-0.00003065	mg/L	-41.76383697	0.00007788	254.07569644	3.73771898	8.95	3.07548756	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-40.2919866121853	47993.7568987174
Cu 324.754	Cu	n!	0.00302870	0.00302870	mg/L	984.42793199	0.00035906	11.85537847	14.04677386	1.43	6.19829937	Y (371.029 nm)	Linear	0.99993	Fitted	865.942154068057	39120.5575210848
Fe 259.940	Fe	n!	0.00087998	0.00087998	mg/L	92.97660815	0.00041142	46.75307552	14.24955415	15.33	14.46615594	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	62.5077990235736	34635.1050449956
K 766.491	K-R	n!	Uncal	Uncal	mg/L	1.77499353	-	-	29.51715659	> 100.00	1078.53421027	Y-R (371.029 nm)	Linear	0.99983	Fitted	-765.562987209301	520.601906575871
Li 670.783	Li-R	n!	0.00880247	0.00880247	mg/L	208.26289171	0.00162458	18.45592298	57.70911287	27.71	38.20586590	Y-R (371.029 nm)	Linear	0.99987	FACT	-104.421531532035	35522.5444243422
Mg 279.800	Mg-R	n!	0.01823357	0.01823357	mg/L	2.19324413	0.00217502	11.92864857	0.97468970	44.44	23.25503735	Y-R (371.029 nm)	Linear	0.99998	Fitted	-5.97770422906282	448.129276652216
Mn 257.610	Mn	nlu	-0.00023630	-0.00023630	mg/L	97.87560542	0.00001639	6.93592843	5.91857465	6.05	2.78445155	Y (371.029 nm)	Linear	1.00000	Fitted	183.209338234006	361120.137552609
Mo 204.598	Mo	n!	0.00031649	0.00031649	mg/L	6.47386480	0.00038689	122.24398480	5.26312079	81.30	3.48359448	Y (371.029 nm)	Linear	0.99999	Fitted	2.16679219893831	13603.8055854065
Na 589.592	Na-R	n!	0.02247575	0.02247575	mg/L	29.27182563	0.00323714	14.40282467	14.31712603	48.91	12.16696678	Y-R (371.029 nm)	Linear	0.99999	Fitted	-70.1329476704468	4422.76646402711
Ni 231.604	Ni	nlu	-0.00055121	-0.00055121	mg/L	-14.71296404	0.00019762	35.85126402	3.83455512	26.06	3.94507891	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-4.01697875055584	19404.0411993663
P 177.434	P	nlu	0.01081598	0.01081598	mg/L	2.18104129	0.02006968	185.55579572	1.70475070	78.16		Y (371.029 nm)	Linear	1.00000	Fitted	1.26232474296093	84.9416086437392
Pb 220.353	Pb	n!	0.00164341	0.00164341	mg/L	51.30477855	0.00020139	12.25433640	2.09518245	4.08	18.44698707	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	34.2198777667915	10403.6883276604
S 181.972	S	nlu	-0.03730628	-0.03730628	mg/L	143.61440256	0.00503043	13.48414686	5.54357101	3.86		Y (371.029 nm)	Linear	1.00000	Fitted	184.725653238399	1102.006658946
Sb 206.834	Sb	n!	0.00231678	0.00231678	mg/L	-21.00904175	0.00156448	67.52813653	5.45902469	25.98	12.08931712	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-29.0927614625746	3489.36372955116
Se 196.026	Se	nlu	-0.00384784	-0.00384784	mg/L	18.44848111	0.00049800	12.94226709	1.67935953	9.10	11.78781557	Y (371.029 nm)	Linear	0.99999	Fitted	31.4241904261212	3372.22031350954
Si 251.611	Si	nlu	-0.01556459	-0.01556459	mg/L	466.92268985	0.00056556	3.63364618	1.88675635	0.40		Y (371.029 nm)	Linear	1.00000	Fitted	518.846834126685	3336.07242466314
Sn 189.925	Sn	nlu	-0.00016917	-0.00016917	mg/L	25.57450602	0.00043889	259.43044496	4.32070193	16.89	4.89706802	Y (371.029 nm)	Linear	0.99999	Fitted	27.2399149502802	9844.65341202724
Sr 421.552	Sr-R	nlu	-0.00106815	-0.00106815	mg/L	49.83001945	0.00005736	5.36992459	10.24284484	20.56	0.96011041	Y-R (371.029 nm)	Linear	1.00000	Fitted	240.60600181685	178574.417300918
Ti 334.941	Ti	nlu	0.00000655	0.00000655	mg/L	69.08498264	0.00001478	225.63814147	3.06142124	4.43	2.11982457	Y (371.029 nm)	Linear	0.99998	Fitted	67.7266753960425	207092.873733159
Tl 190.794	Tl	nlu	-0.00034702	-0.00034702	mg/L	4.62071778	0.00075771	218.34417293	3.30116292	71.44	3.52966813	Y (371.029 nm)	Linear	0.99997	Fitted	6.13255924746819	4356.78942498312
V 292.401	V	n!	0.00013196	0.00013196	mg/L	-24.71514136	0.00011911	90.26306991	3.49841064	14.15	2.90161178	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-28.5897719064409	29371.3798727935
Zn 206.200	Zn	n!	0.06318184	0.06318184	mg/L	1973.07212823	0.00231197	3.65922583	70.67278720	3.58	8.20343753	Y (371.029 nm)	Linear	0.99973	Fitted	41.7140825157456	30568.2600181291
Y 371.029	Y	!	0.97	0.97	Ratio	130570.69	0.00	0.26	335.24	0.26		-	-	-	Fitted	-	-
Y 371.029	Y-R	!	0.97	0.97	Ratio	22678.73	0.00	0.38	85.08	0.38		-	-	-	Fitted	-	-



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 511383
Report Level : IV
Report Date : 07/03/2024

Metals

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore	Lab Job #:	511383
Rincon	Project No:	20-10491
Consultants	Location:	Hangar 1 NTCRA
449 15th Street	Date Received:	07/02/24
#303		
Oakland, CA		
94612		

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.5GE-PS-21-240702-L-G	511383-001	07/02/24 13:20	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 511383
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 07/02/24

This data package contains sample and QC results for one wipe sample, requested for the above referenced project on 07/03/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

The below sample checklist was completed after delivery of samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were applied to the cooler.

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 7/2/24 Login # 511383 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

Date Opened 7/2/24 By (print) m (sign)

Important: Notify PM if temperature exceeds 6°C or arrive frozen

☒ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C):

How many coolers? 1 Temp (°C): #1: #2: #3: #4: #5: #6:

Temperature measured using ☐ Thermometer ID: or IR Gun # ☐ B ☐ C

Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Section 4: Containers / Labels / Samples

	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	☒		
Were Method 5035 sampling containers present? Transferred to freezer @:	☒		
Did all containers arrive unbroken/unopened?	☒		
Are there any missing / extra samples?	☒		
Are samples in the appropriate containers for indicated tests?	☒		
Are sample labels present, in good condition and complete?	☒		
Does the container count match the COC?	☒		
Do the sample labels agree with custody papers?	☒		
Was sufficient amount of sample sent for tests requested?	☒		
Did you change the hold time in LIMS for unpreserved VOAs?			☒
Did you change the hold time in LIMS for preserved terracores?			☒
Are bubbles > 6mm present in VOA samples?			☒
Was the client contacted about this delivery? Contacted: By: Date:		☒	

Section 5: Preservatives

	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot# added to samples Date/Time

☐ HCL lot# added to samples Date/Time

☐ HNO3 lot# added to samples Date/Time

☐ CrVI Buffer lot# added to samples Date/Time

Section 6: Explanations / Comments

Date Logged 7/2/24 By (print) m (sign)

Date Labeled 7/2/24 By (print) m (sign)

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

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The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.



SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: <u>Rincon Consultants</u>	Project: <u>Hangar 1 - NCTRA WP</u>
Date Received: <u>7/3/24</u>	Sampler's Name Present: ☒ Yes ☐ No

Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? <u>1</u> ☐ No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: <u>1.2</u> #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: <u>1.2</u> #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: T. M. Kelly Date: 7/3/24

SOUTHWEST AIRLINES

Printed on:
02 JUL 20:30

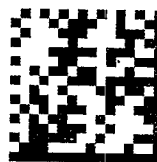

526 OAK 1470 4266

SNA

PC#	DG	LOT WT
2 OF 7	G	350 LB (158.8 KG)

OAK WN 941 03 JUL 06:20

STN FLT DATE ETD LOT 01



PC ID: 0002
PC WT: 50LB

526 14704266 0002

S

Results & QC Summary

Lead

Lab #: 511383		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.5GE-PS-21-240702-L-G	Batch#: 344350	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/02/24	Analysis: EPA 6010B	
Lab ID: 511383-001	Received: 07/02/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/03/24		
Diln Fac: 1.000	Analyzed: 07/03/24		

511383-001 Analyte	Result	RL	Units
Lead	12	0.50	ug/ft2

Type: BLANK	Batch#: 344350	Analysis: EPA 6010B	
Lab ID: QC1166772	Prepared: 07/03/24	Analyst: SBW	
Matrix: Wipe	Analyzed: 07/03/24		
Diln Fac: 1.000	Prep: EPA 3050B		

QC1166772 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 511383

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1166773

Matrix: Wipe

Diln Fac: 1.000

Batch#: 344350

Prepared: 07/03/24

Analyzed: 07/03/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1166773 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	55.19	110	80-120	ug/ft2

Type: BSD

Lab ID: QC1166774

Matrix: Wipe

Diln Fac: 1.000

Batch#: 344350

Prepared: 07/03/24

Analyzed: 07/03/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1166774 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.22	108	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent
Difference

REPORTING SUMMARY FOR 511383 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	P B
511383-001	MET06	07/03/24 14:00	1.0	✓
QC1166772	MET06	07/03/24 13:51	1.0	✓
QC1166773	MET06	07/03/24 13:54	1.0	✓
QC1166774	MET06	07/03/24 13:57	1.0	✓

Instrument: MET06
Method: EPA 6010B

Begun: 07/03/24 10:05

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
001	met06_master011	ICALBLK	CALBLANK			07/03/24 10:05	1.0	1	
002	met06_master011	ICAL	L1			07/03/24 10:09	1.0	2 1	
003	met06_master011	ICAL	L2			07/03/24 10:12	1.0	3 1	
004	met06_master011	ICAL	L3			07/03/24 10:15	1.0	4 1	
005	met06_master011	ICAL	L4			07/03/24 10:19	1.0	5 1	
006	met06_master011	ICAL	L5			07/03/24 10:22	1.0	6 1	
007	met06_master011	ICAL	L6			07/03/24 10:25	1.0	7 1	
008	met06_master011	ICAL	L7			07/03/24 10:29	1.0	8 1	
009	met06_master011	ICAL	L8			07/03/24 10:32	1.0	9 1	
010	met06_master011	ICV				07/03/24 10:36	1.0	10 1	
011	met06_master011	CRI				07/03/24 10:39	1.0	11 1	
012	met06_master011	ICB				07/03/24 10:42	1.0	1	
013	met06_master011	ICSA				07/03/24 10:46	1.0	12 1	6:MGASMGCO3=1400
014	met06_master011	ICSAB				07/03/24 10:49	1.0	13 1	6:MGASMGCO3=1400
015	met06_master011	ICSA	S21125			07/03/24 12:23	1.0	14	6:MGASMGCO3=1400
016	met06_master011	ICSAB	S21126			07/03/24 12:26	1.0	15	6:MGASMGCO3=1400
017	met06_master011	CCV				07/03/24 12:30	1.0	10 1	
018	met06_master011	CCB				07/03/24 12:33	1.0	1	
019	met06_master011	SAMPLE	511464-001	Filtrate	344314	07/03/24 12:41	1.0	1	1:MN=27
020	met06_master011	SAMPLE	511464-002	Filtrate	344314	07/03/24 12:44	1.0	1	2:AL=140
021	met06_master011	CCV				07/03/24 12:47	1.0	10 1	
022	met06_master011	CCB				07/03/24 12:51	1.0	1	
023	met06_master011	BLANK	QC1166772	Wipe	344350	07/03/24 13:51	1.0	1	
024	met06_master011	BS	QC1166773	Wipe	344350	07/03/24 13:54	1.0	1	
025	met06_master011	BSD	QC1166774	Wipe	344350	07/03/24 13:57	1.0	1	
026	met06_master011	SAMPLE	511383-001	Wipe	344350	07/03/24 14:00	1.0	1	1:FE=160
027	met06_master011	SAMPLE	511384-001	Wipe	344350	07/03/24 14:04	1.0	1	1:FE=72
028	met06_master011	SAMPLE	511384-002	Wipe	344350	07/03/24 14:07	1.0	1	1:FE=38
029	met06_master011	SAMPLE	511384-003	Wipe	344350	07/03/24 14:10	1.0	1	1:FE=65
030	met06_master011	SAMPLE	511384-004	Wipe	344350	07/03/24 14:14	1.0	1	1:FE=65
031	met06_master011	SAMPLE	511384-005	Wipe	344350	07/03/24 14:17	1.0	1	1:FE=57
032	met06_master011	SAMPLE	511384-006	Wipe	344350	07/03/24 14:20	1.0	1	1:FE=72
033	met06_master011	CCV				07/03/24 14:24	1.0	10 1	
034	met06_master011	CCB				07/03/24 14:27	1.0	1	
035	met06_master011	SAMPLE	511384-007	Wipe	344350	07/03/24 14:30	1.0	1	1:FE=72
036	met06_master011	SAMPLE	511385-001	Wipe	344350	07/03/24 14:33	1.0	1	1:FE=110
037	met06_master011	SAMPLE	511385-002	Wipe	344350	07/03/24 14:37	1.0	1	1:FE=95
038	met06_master011	SAMPLE	511385-003	Wipe	344350	07/03/24 14:40	1.0	1	1:FE=140
039	met06_master011	SAMPLE	511385-004	Wipe	344350	07/03/24 14:43	1.0	1	1:FE=80
040	met06_master011	SAMPLE	511385-005	Wipe	344350	07/03/24 14:47	1.0	1	1:FE=100
041	met06_master011	CCV				07/03/24 14:50	1.0	10 1	
042	met06_master011	CCB				07/03/24 14:53	1.0	1	

SBW 07/03/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 037.

Standards Used:

1=S16862 2=S20849 3=S20848 4=S20847 5=S20846 6=S20845 7=S20614 8=S20782 9=S20759 10=S21056 11=S20783 12=S20577 13=S21007 14=S21125 15=S21126

Date: 07/03/24
Sequence: MET06 07/03/24

Reference: met06_master011
Analyzed: 07/03/24 10:05

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	27451800	1649040	20233300
		LOWER LIMIT	8235540	494712	6069990
		UPPER LIMIT	54903600	3298080	40466600
012	ICB		26536300	1633820	20369700
013	ICSA		23023000	1455060	17627900
014	ICSAB		23497700	1449840	17563300
015	ICSA	S21125	25628500	1538520	19247000
016	ICSAB	S21126	25880700	1546390	19044700
017	CCV		27024000	1656320	20734800
018	CCB		28772000	1731110	22175200
019	SAMPLE	511464-001	26890600	1604710	19854200
020	SAMPLE	511464-002	37048500	2325540	28617400
021	CCV		28537300	1733420	21619100
022	CCB		30255000	1828270	23103800
023	BLANK	QC1166772	31334900	1818950	24847200
024	BS	QC1166773	31050500	1813560	24060800
025	BSD	QC1166774	30724200	1834190	24017100
026	SAMPLE	511383-001	30499900	1822850	23729900
027	SAMPLE	511384-001	30895200	1824180	24104600
028	SAMPLE	511384-002	31636600	1875840	24537300
029	SAMPLE	511384-003	31276800	1867120	24473900
030	SAMPLE	511384-004	31815700	1868530	24575100
031	SAMPLE	511384-005	31635200	1894680	24391900
032	SAMPLE	511384-006	31867700	1896920	24594500
033	CCV		31198400	1886130	23519500
034	CCB		32388200	1955260	24861100
035	SAMPLE	511384-007	30908300	1885860	24335500
036	SAMPLE	511385-001	30854100	1892060	24165100
037	SAMPLE	511385-002	31408400	1904910	24271100
038	SAMPLE	511385-003	31382200	1880450	24354600
039	SAMPLE	511385-004	31733600	1917980	24274100
040	SAMPLE	511385-005	31028600	1872710	24312100
041	CCV		30737600	1885090	23249700
042	CCB		32336800	1958760	24790900

Instrument: MET06	Date: 03-JUL-2024 10:05
Calibration #: 484267005001	X Axis: R
Units: mg/L	

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	484267005002	L1	03-JUL-2024 10:09	S20849, S16862 (100X)
L2	met06_master011	484267005003	L2	03-JUL-2024 10:12	S20848, S16862 (100X)
L3	met06_master011	484267005004	L3	03-JUL-2024 10:15	S20847, S16862 (100X)
L4	met06_master011	484267005005	L4	03-JUL-2024 10:19	S20846, S16862 (100X)
L5	met06_master011	484267005006	L5	03-JUL-2024 10:22	S20845, S16862 (100X)
L6	met06_master011	484267005007	L6	03-JUL-2024 10:25	S20614, S16862 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00253	31.8613		0.0251	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
 WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	-0.001	0.0230	0.0329	0.0333	0.0314	0.0314

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-29	0.0100	-1	0.1000	7	1.0000	6	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	Cal Date: 03-JUL-2024
Calnum: 484267005001	

- ICV 484267005010 (03-JUL-2024) stds: S21056, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.072	mg/l	7	10	

ENTHALPY INSTRUMENT BLANK FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484267005012	File: met06_master011
Cal: 484267005001	Time: 03-JUL-2024 10:42
Caldate: 03-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	26536300	-3.33
Yttrium	A	1649040	1633820	-0.92
Yttrium	R	20233300	20369700	0.67

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	Run Name: S21125	IDF: 1.0
Seqnum: 484267005015	File: met06_master011	Time: 03-JUL-2024 12:23
Cal: 484267005001	Caldate: 03-JUL-2024	

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.001621]	0.003333	mg/l	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.6	mg/l	91	
Aluminum	R	400.0	364.8	mg/l	91	
Calcium	R	400.0	254.8	mg/l	64	
Magnesium	R	400.0	389.2	mg/l	97	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	25628500	-6.64
Yttrium	A	1649040	1538520	-6.70
Yttrium	R	20233300	19247000	-4.87

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	Run Name: S21126	IDF: 1.0
Seqnum: 484267005016	File: met06_master011	Time: 03-JUL-2024 12:26
Cal: 484267005001	Caldate: 03-JUL-2024	

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.060	mg/l	6	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	25880700	-5.72
Yttrium	A	1649040	1546390	-6.22
Yttrium	R	20233300	19044700	-5.87

ENTHALPY CONTINUING CALIBRATION FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484267005021	File: met06_master011
Cal: 484267005001	Time: 03-JUL-2024 12:47
Caldate: 03-JUL-2024	

Standards: S21056, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0339	1.000	1.081	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	28537300	3.95
Yttrium	A	1649040	1733420	5.12
Yttrium	R	20233300	21619100	6.85

ENTHALPY INSTRUMENT BLANK FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484267005022	File: met06_master011
Cal: 484267005001	Time: 03-JUL-2024 12:51
Caldate: 03-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	30255000	10.21
Yttrium	A	1649040	1828270	10.87
Yttrium	R	20233300	23103800	14.19

ENTHALPY CONTINUING CALIBRATION FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484267005033	File: met06_master011
Cal: 484267005001	Time: 03-JUL-2024 14:24
Caldate: 03-JUL-2024	

Standards: S21056, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0340	1.000	1.087	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	31198400	13.65
Yttrium	A	1649040	1886130	14.38
Yttrium	R	20233300	23519500	16.24

ENTHALPY INSTRUMENT BLANK FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484267005034	File: met06_master011
Cal: 484267005001	Time: 03-JUL-2024 14:27
Caldate: 03-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	32388200	17.98
Yttrium	A	1649040	1955260	18.57
Yttrium	R	20233300	24861100	22.87

SAMPLE PREPARATION SUMMARY

Batch #: 344350	Prep Date: 03-JUL-2024 11:33	Started By: TWJ
Analysis: ICP	Method: 3050B	Finished By: TWJ

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20344	Spike S20345	Analysis
QC1166772 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1166773 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1166774 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
511383-001	Wipe	1.0276 ft2	50 mL	48.66				6010
511384-001	Wipe	1.0276 ft2	50 mL	48.66				6010
511384-002	Wipe	1 ft2	50 mL	50.0				6010
511384-003	Wipe	1.0276 ft2	50 mL	48.66				6010
511384-004	Wipe	1.0276 ft2	50 mL	48.66				6010
511384-005	Wipe	1.1104 ft2	50 mL	45.03				6010
511384-006	Wipe	1 ft2	50 mL	50.0				6010
511384-007	Wipe	1.0276 ft2	50 mL	48.66				6010
511385-001	Wipe	1 ft2	50 mL	50.0				6010
511385-002	Wipe	1.0276 ft2	50 mL	48.66				6010
511385-003	Wipe	1.0276 ft2	50 mL	48.66				6010
511385-004	Wipe	1.0276 ft2	50 mL	48.66				6010
511385-005	Wipe	1.0276 ft2	50 mL	48.66				6010

Analyst: SBW 07/03/24

Reviewer: KLN 07/03/24

Initials: FWY 13 Prep Method: 3050B/3051 / Other: _____ AC Batch #: 344350 Therm ID/Corr Factor: 763746/-0.5
 Prep Start, Date/Time: 7/3/24 11:33 Prep End, Date/Time: 7/3/24 13:25 HotBlock Temp (Obs/Corr), °C: 95 / 94.5
 HotBlock ID: 15

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank				1		50	1223124108-	
LCS				1			4128-1M	
LCS0				1				
511384-1	A		wipe	1.0276				
-2	A			1.0276				
-3	A			1.0276				
-4	A			1.0276				
-5	A			1.0276				
-6	A			1.0276				
-7	A			1.0276				
511385-1	A			1.00				
-2	A			1.0276				
-3	A			1.0276				
-4	A			1.0276				
-5	A			1.0276				
511383-1	A		wipe	1.0276		50		

Hydrochloric Acid ID: 10mL 24009610
 Nitric Acid ID: 10mL 202312039
 H₂O₂ ID: 3mL 303303

LCS Spike ID: 0.5mL (320344520345)
 MS/MSD Spike ID: ✓
 Gold Std ID: ✓

ICP Raw Data

Instrument: MET06
Method: EPA 6010B

Begun: 07/03/24 10:05

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
001	met06_master011	ICALBLK	CALBLANK			07/03/24 10:05	1.0	1	
002	met06_master011	ICAL	L1			07/03/24 10:09	1.0	2 1	
003	met06_master011	ICAL	L2			07/03/24 10:12	1.0	3 1	
004	met06_master011	ICAL	L3			07/03/24 10:15	1.0	4 1	
005	met06_master011	ICAL	L4			07/03/24 10:19	1.0	5 1	
006	met06_master011	ICAL	L5			07/03/24 10:22	1.0	6 1	
007	met06_master011	ICAL	L6			07/03/24 10:25	1.0	7 1	
008	met06_master011	ICAL	L7			07/03/24 10:29	1.0	8 1	
009	met06_master011	ICAL	L8			07/03/24 10:32	1.0	9 1	
010	met06_master011	ICV				07/03/24 10:36	1.0	10 1	
011	met06_master011	CRI				07/03/24 10:39	1.0	11 1	
012	met06_master011	ICB				07/03/24 10:42	1.0	1	
013	met06_master011	ICSA				07/03/24 10:46	1.0	12 1	6:MGASMGCO3=1400
014	met06_master011	ICSAB				07/03/24 10:49	1.0	13 1	6:MGASMGCO3=1400
015	met06_master011	ICSA	S21125			07/03/24 12:23	1.0	14	6:MGASMGCO3=1400
016	met06_master011	ICSAB	S21126			07/03/24 12:26	1.0	15	6:MGASMGCO3=1400
017	met06_master011	CCV				07/03/24 12:30	1.0	10 1	
018	met06_master011	CCB				07/03/24 12:33	1.0	1	
019	met06_master011	SAMPLE	511464-001	Filtrate	344314	07/03/24 12:41	1.0	1	1:MN=27
020	met06_master011	SAMPLE	511464-002	Filtrate	344314	07/03/24 12:44	1.0	1	2:AL=140
021	met06_master011	CCV				07/03/24 12:47	1.0	10 1	
022	met06_master011	CCB				07/03/24 12:51	1.0	1	
023	met06_master011	BLANK	QC1166772	Wipe	344350	07/03/24 13:51	1.0	1	
024	met06_master011	BS	QC1166773	Wipe	344350	07/03/24 13:54	1.0	1	
025	met06_master011	BSD	QC1166774	Wipe	344350	07/03/24 13:57	1.0	1	
026	met06_master011	SAMPLE	511383-001	Wipe	344350	07/03/24 14:00	1.0	1	1:FE=160
027	met06_master011	SAMPLE	511384-001	Wipe	344350	07/03/24 14:04	1.0	1	1:FE=72
028	met06_master011	SAMPLE	511384-002	Wipe	344350	07/03/24 14:07	1.0	1	1:FE=38
029	met06_master011	SAMPLE	511384-003	Wipe	344350	07/03/24 14:10	1.0	1	1:FE=65
030	met06_master011	SAMPLE	511384-004	Wipe	344350	07/03/24 14:14	1.0	1	1:FE=65
031	met06_master011	SAMPLE	511384-005	Wipe	344350	07/03/24 14:17	1.0	1	1:FE=57
032	met06_master011	SAMPLE	511384-006	Wipe	344350	07/03/24 14:20	1.0	1	1:FE=72
033	met06_master011	CCV				07/03/24 14:24	1.0	10 1	
034	met06_master011	CCB				07/03/24 14:27	1.0	1	
035	met06_master011	SAMPLE	511384-007	Wipe	344350	07/03/24 14:30	1.0	1	1:FE=72
036	met06_master011	SAMPLE	511385-001	Wipe	344350	07/03/24 14:33	1.0	1	1:FE=110
037	met06_master011	SAMPLE	511385-002	Wipe	344350	07/03/24 14:37	1.0	1	1:FE=95
038	met06_master011	SAMPLE	511385-003	Wipe	344350	07/03/24 14:40	1.0	1	1:FE=140
039	met06_master011	SAMPLE	511385-004	Wipe	344350	07/03/24 14:43	1.0	1	1:FE=80
040	met06_master011	SAMPLE	511385-005	Wipe	344350	07/03/24 14:47	1.0	1	1:FE=100
041	met06_master011	CCV				07/03/24 14:50	1.0	10 1	
042	met06_master011	CCB				07/03/24 14:53	1.0	1	

SBW 07/03/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 037.

Standards Used:

1=S16862 2=S20849 3=S20848 4=S20847 5=S20846 6=S20845 7=S20614 8=S20782 9=S20759 10=S21056 11=S20783 12=S20577 13=S21007 14=S21125 15=S21126

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 511383-001	Client ID: DOOR-S-15.5GE-PS-21-240702-L-G
Seqnum: 484267005026	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 344350	Time: 03-JUL-2024 14:00
Cal: 484267005001	Caldate: 03-JUL-2024	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.03 ft2 ⇒ 50.0 ml = 48.66 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2503	12	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1649040	1822850	10.54

U=use

Sample Name: 511383-001,344350					Sample Type: Unknown Sample		
Measure Date: 2024-07-03 14:00:55			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	59524.90000	1711720	7091.770000	16413.80000	20480.10000	12164400	19475.40000
Int RSD	1.1080086	0.7576765	0.5791897	0.3076923	0.5232982	1.6426129	0.4383037
Int SD	659.5410000	12969.30000	41.0748000	50.5040000	107.1720000	199814	85.3614000
RelInt Mean	-0.0000048	0.0686477	0.0003577	0.0026399	0.0055450	0.5123590	0.0054309
RelInt RSD	194.9534323	1.1881986	2.0566350	1.9321295	1.1349694	1.8155024	0.8664338
RelInt SD	0.0000094	0.0008157	0.0000074	0.0000510	0.0000629	0.0093019	0.0000471
Conc Mean	<-0.0013874[mg/l]	4.6107400[mg/l]	0.0223227[mg/l]	0.0155432[mg/l]	0.0144124[mg/l]	18.4918000[mg/l]	0.0270446[mg/l]
Conc RSD	24.1025530	1.1886031	1.6551851	3.6183669	1.1698329	1.8247493	0.8227483
Conc SD	0.0003344[mg/l]	0.0548034[mg/l]	0.0003695[mg/l]	0.0005624[mg/l]	0.0001686[mg/l]	0.3374290[mg/l]	0.0002225[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	32663.80000	288019	85387100	237669	455773	3255300	8179.420000
Int RSD	0.9276447	1.3254369	0.4912253	1.0785294	0.7741200	1.2437010	0.8719726
Int SD	303.0040000	3817.510000	419443	2563.330000	3528.230000	40486.20000	71.3223000
RelInt Mean	0.0120074	0.0076675	47.1736000	0.0096962	0.0172449	1.7903500	0.0003897
RelInt RSD	0.8303696	0.6057696	0.6667628	1.2580109	1.2622341	0.7918284	10.2714937
RelInt SD	0.0000997	0.0000464	0.3145360	0.0001220	0.0002177	0.0141765	0.0000400
Conc Mean	0.0725222[mg/l]	0.2396140[mg/l]	>158.6370000[mg/l]	2.2391000[mg/l]	5.0743000[mg/l]	1.1332600[mg/l]	0.0025981[mg/l]
Conc RSD	0.8310807	0.6145676	0.6667234	1.2618909	1.3098339	0.7914133	11.2571446
Conc SD	0.0006027[mg/l]	0.0014726[mg/l]	1.0576700[mg/l]	0.0282550[mg/l]	0.0664649[mg/l]	0.0089688[mg/l]	0.0002925[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	2549080	28269.70000	24559.50000	8778.090000	6401.960000	12186.30000	958848
Int RSD	0.7952516	0.7273441	0.2936900	0.3054788	1.2769667	0.9246531	0.5826314
Int SD	20271.60000	205.6180000	72.1288000	26.8152000	81.7509000	112.6810000	5586.550000
RelInt Mean	0.1060020	0.0097377	0.0080693	0.0008076	-0.0000498	0.0025970	0.0389203
RelInt RSD	1.3351069	0.5391625	1.0853361	4.9587963	43.3899428	2.3485036	0.9436284
RelInt SD	0.0014152	0.0000525	0.0000876	0.0000400	0.0000216	0.0000610	0.0003673
Conc Mean	3.6954700[mg/l]	0.0737363[mg/l]	0.2502510[mg/l]	0.0378503[mg/l]	<-0.0031201[mg/l]	0.0472538[mg/l]	0.0382990[mg/l]
Conc RSD	1.3348045	0.5444930	1.1055101	4.8007017	44.9354187	2.4080815	0.9523721
Conc SD	0.0493273[mg/l]	0.0004015[mg/l]	0.0027666[mg/l]	0.0018171[mg/l]	0.0014020[mg/l]	0.0011379[mg/l]	0.0003647[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	1726490	6094.280000	23066.70000	1822850	30499900	23729900	2978990
Int RSD	4.3304624	0.1194476	1.9257674	0.5713745	1.8455634	0.5703311	0.3651070
Int SD	74765.00000	7.2794700	444.2110000	10415.30000	562895	135339	10876.50000
RelInt Mean	0.0546112	-0.0003640	0.0002424	---	---	---	1.6422600
RelInt RSD	2.9031041	6.3842061	3.8225280	---	---	---	0.2994301
RelInt SD	0.0015854	0.0000232	0.0000093	---	---	---	0.0049174
Conc Mean	0.4740060[mg/l]	<-0.0227865[mg/l]	0.0243732[mg/l]	1809650	30406200	23671900	5.4765700[mg/l]
Conc RSD	2.9030012	6.3757927	6.0026587	---	---	---	0.2994046
Conc SD	0.0137604[mg/l]	0.0014528[mg/l]	0.0014630[mg/l]	10420.80000	562512	134761	0.0163971[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	25842.60000	50329.60000	1325350	64324.30000	10273.20000	106704	
Int RSD	2.0874680	2.9546231	0.2514211	0.5962210	0.5364258	0.4158766	
Int SD	539.4560000	1487.050000	3332.210000	383.5150000	55.1081000	443.7570000	
RelInt Mean	-0.0006806	0.0011048	0.7249430	0.0317326	-0.0004792	0.0550868	
RelInt RSD	4.6942158	3.9670535	0.6331022	0.9547437	4.7270876	0.7691879	
RelInt SD	0.0000319	0.0000438	0.0045896	0.0003030	0.0000227	0.0004237	
Conc Mean	<0.0002295[mg/l]	0.0025676[mg/l]	10.7514000[mg/l]	0.8424330[mg/l]	<-0.0018152[mg/l]	4.4818000[mg/l]	
Conc RSD	34.2239787	4.0542909	0.6338877	0.9615210	4.1093617	0.7667834	
Conc SD	0.0000785[mg/l]	0.0001041[mg/l]	0.0681518[mg/l]	0.0081002[mg/l]	0.0000746[mg/l]	0.0343657[mg/l]	

ENTHALPY BLANK USER REPORT FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	Lab ID: QC1166772	
Seqnum: 484267005023.1	Matrix: Wipe	
File: met06_master011	Batch: 344350	Time: 03-JUL-2024 13:51
Cal: 484267005001	Caldate: 03-JUL-2024	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

• 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.001561	ND	0.50	U

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1649040	1818950	10.30

U=Use

Sample Name: BLANK,QC1166772,344350					Sample Type: Unknown Sample		
Measure Date: 2024-07-03 13:51:04			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57547.90000	39228.00000	3927.300000	11536.20000	9288.290000	113847	8487.640000
Int RSD	1.3369332	0.7756577	1.9755404	0.4612273	1.5557223	1.1566488	1.3778153
Int SD	769.3770000	304.2750000	77.5854000	53.2081000	144.5000000	1316.810000	116.9440000
RelInt Mean	0.0000259	0.0000745	-0.0001242	0.0014832	0.0001689	0.0035742	-0.0000192
RelInt RSD	5.0968994	15.8555608	19.4351384	6.2298124	19.9203770	1.3404548	116.2811031
RelInt SD	0.0000013	0.0000118	0.0000241	0.0000924	0.0000336	0.0000479	0.0000223
Conc Mean	<-0.0002890[mg/l]	<0.0031050[mg/l]	<-0.0017817[mg/l]	<0.0027892[mg/l]	<0.0001079[mg/l]	0.0351091[mg/l]	<-0.0001034[mg/l]
Conc RSD	16.3482501	25.5607121	67.9367805	36.5296362	83.7006050	4.9503120	110.8332286
Conc SD	0.0000472[mg/l]	0.0007937[mg/l]	0.0012105[mg/l]	0.0010189[mg/l]	0.0000903[mg/l]	0.0017380[mg/l]	0.0001146[mg/l]
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8905.390000	54675.80000	24447.80000	9674.110000	56690.00000	12498.00000	5649.710000
Int RSD	1.2566210	1.5566320	1.9930014	2.3645586	0.2541947	0.7588278	0.6110756
Int SD	111.9070000	851.1010000	487.2450000	228.7500000	144.1030000	94.8383000	34.5240000
RelInt Mean	0.0001088	0.0001170	0.0074608	0.0000730	0.0005390	0.0010987	0.0001610
RelInt RSD	23.1133939	0.7712688	5.0400358	13.7828567	0.8648407	6.5459957	18.6701034
RelInt SD	0.0000252	0.0000009	0.0003760	0.0000101	0.0000047	0.0000719	0.0000301
Conc Mean	<0.0006146[mg/l]	<0.0001674[mg/l]	0.0205034[mg/l]	0.0097447[mg/l]	<-0.0277966[mg/l]	0.0004331[mg/l]	0.0009271[mg/l]
Conc RSD	24.7364790	17.0974410	6.1674649	23.9282156	5.1218135	10.5127690	23.6905600
Conc SD	0.0001520[mg/l]	0.0000286[mg/l]	0.0012645[mg/l]	0.0023317[mg/l]	0.0014237[mg/l]	0.0000455[mg/l]	0.0002196[mg/l]
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	37644.50000	9425.420000	8773.710000	5988.770000	4546.460000	6597.260000	41674.50000
Int RSD	3.4091567	0.5559869	1.4219070	1.2376648	0.9184926	0.6439886	0.4313645
Int SD	1283.360000	52.4041000	124.7540000	74.1209000	41.7589000	42.4856000	179.7690000
RelInt Mean	0.0003110	0.0001930	-0.0001282	0.0000663	0.0000256	0.0014638	0.0002796
RelInt RSD	15.6830545	12.4777207	6.8624919	30.9530415	70.0850726	0.4304820	2.6115040
RelInt SD	0.0000488	0.0000241	0.0000088	0.0000205	0.0000179	0.0000063	0.0000073
Conc Mean	0.0108438[mg/l]	<0.0007516[mg/l]	<-0.0015610[mg/l]	0.0046527[mg/l]	<0.0017710[mg/l]	0.0261130[mg/l]	<-0.0000798[mg/l]
Conc RSD	15.6831554	24.5011243	17.9576175	19.9923486	65.6873761	0.4498258	9.0866631
Conc SD	0.0017007[mg/l]	0.0001841[mg/l]	0.0002803[mg/l]	0.0009302[mg/l]	0.0011633[mg/l]	0.0001175[mg/l]	0.0000073[mg/l]
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	64014.40000	4070.010000	15864.70000	1818950	31334900	24847200	6665.420000
Int RSD	0.9601637	1.0837664	2.1481276	0.8957585	1.2528746	0.7843419	1.1182671
Int SD	614.6430000	44.1094000	340.7940000	16293.40000	392587	194887	74.5372000
RelInt Mean	0.0001048	-0.0001463	0.0000746	---	---	---	0.0005833
RelInt RSD	9.5554156	5.4580938	10.9301749	---	---	---	1.1029433
RelInt SD	0.0000100	0.0000080	0.0000082	---	---	---	0.0000064
Conc Mean	0.0009280[mg/l]	<-0.0081923[mg/l]	<-0.0021109[mg/l]	1807690	31246800	24790200	<0.0000424[mg/l]
Conc RSD	9.3678218	5.9950783	61.0303418	---	---	---	50.4662887
Conc SD	0.0000869[mg/l]	0.0004911[mg/l]	0.0012883[mg/l]	16222.50000	391665	195378	0.0000214[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	26052.30000	26221.20000	12927.80000	5825.990000	8711.600000	5087.620000	
Int RSD	1.3780549	1.2790757	1.1124631	1.4397690	1.3561573	1.0114317	
Int SD	359.0150000	335.3890000	143.8170000	83.8808000	118.1430000	51.4578000	
RelInt Mean	-0.0006799	0.0000159	0.0019437	0.0009188	0.0001253	0.0000056	
RelInt RSD	3.3549106	49.6752391	4.7270782	2.7576813	39.0959293	90.4210117	
RelInt SD	0.0000228	0.0000079	0.0000919	0.0000253	0.0000490	0.0000051	
Conc Mean	0.0002312[mg/l]	<-0.0000186[mg/l]	0.0164807[mg/l]	0.0186342[mg/l]	<0.0002545[mg/l]	0.0148029[mg/l]	
Conc RSD	24.2534935	101.2341557	8.2474652	3.6353211	61.5902107	2.7770775	
Conc SD	0.0000561[mg/l]	0.0000188[mg/l]	0.0013592[mg/l]	0.0006774[mg/l]	0.0001567[mg/l]	0.0004111[mg/l]	

ENTHALPY SPIKE USER REPORT FOR 511383 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET06	Inst: MET06
Seqnum: 484267005024.1	Seqnum: 484267005025.1
File: met06_master011	File: met06_master011
IDF: 1.0	IDF: 1.0
Lab ID: QC1166773	Lab ID: QC1166774
Matrix: Wipe	Matrix: Wipe
Batch: 344350	Batch: 344350
Time: 03-JUL-2024 13:54	Time: 03-JUL-2024 13:57
Cal: 484267005001	Cal: 484267005001
Units: ug/ft2	

- BS: 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	50.00	1.104	55.19	A	110	1.084	54.22	A	108	80-120	2	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1649040	1813560	9.98

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1649040	1834190	11.23

U=USE

Sample Name: BS,QC1166773,344350					Sample Type: Unknown Sample		
Measure Date: 2024-07-03 13:54:21			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	443335	346128	38151.00000	153989	729971	744692	395813
Int RSD	2.0165947	0.2833192	0.9885062	0.4376072	0.2959803	0.8218915	0.2973778
Int SD	8940.270000	980.6470000	377.1250000	673.8670000	2160.570000	6120.560000	1177.060000
RelInt Mean	0.0123560	0.0127869	0.0187302	0.0803416	0.3997910	0.0299669	0.2145410
RelInt RSD	1.1594853	0.3261901	0.8611120	0.1886258	0.0826482	0.9854072	0.1160622
RelInt SD	0.0001433	0.0000417	0.0001613	0.0001515	0.0003304	0.0002953	0.0002490
Conc Mean	0.4405610[mg/l]	0.8572910[mg/l]	0.9429370[mg/l]	0.8723180[mg/l]	1.0600600[mg/l]	0.9925280[mg/l]	1.0988800[mg/l]
Conc RSD	1.1625768	0.3269520	0.8575112	0.1915402	0.0818826	1.0789620	0.1173968
Conc SD	0.0051219[mg/l]	0.0028029[mg/l]	0.0080858[mg/l]	0.0016708[mg/l]	0.0008680[mg/l]	0.0107090[mg/l]	0.0012901[mg/l]
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	319387	1036010	623779	537273	124751	3068880	262399
Int RSD	0.4420938	1.4281329	0.1864779	0.4010643	0.8980609	0.7544739	0.1841573
Int SD	1411.990000	14795.60000	1163.210000	2154.810000	1120.340000	23153.90000	483.2270000
RelInt Mean	0.1720190	0.0316097	0.3397250	0.0219632	0.0034525	1.6968900	0.1424650
RelInt RSD	0.1575012	1.5854089	0.1990251	0.6844130	0.8694283	0.3805527	0.3116969
RelInt SD	0.0002709	0.0005011	0.0006761	0.0001503	0.0000300	0.0064576	0.0004441
Conc Mean	1.0395400[mg/l]	0.9988890[mg/l]	1.1378900[mg/l]	5.0809500[mg/l]	0.8620110[mg/l]	1.0740900[mg/l]	1.0407000[mg/l]
Conc RSD	0.1575168	1.5911778	0.2000167	0.6854643	1.0635143	0.3804663	0.3115566
Conc SD	0.0016375[mg/l]	0.0158941[mg/l]	0.0022760[mg/l]	0.0348281[mg/l]	0.0091676[mg/l]	0.0040865[mg/l]	0.0032424[mg/l]
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	475238	264904	71824.50000	43660.80000	28568.20000	6924.950000	27862200
Int RSD	0.3714413	0.4138329	0.8737965	1.0231443	0.6474122	0.7820981	0.5856321
Int SD	1765.230000	1096.260000	627.6000000	446.7130000	184.9540000	54.1599000	163170
RelInt Mean	0.0184931	0.1415990	0.0345718	0.0207802	0.0132375	0.0015216	1.1588600
RelInt RSD	0.7099405	0.3005021	0.7709839	0.9640619	0.9061228	2.4489104	0.2696797
RelInt SD	0.0001313	0.0004255	0.0002665	0.0002003	0.0001199	0.0000373	0.0031252
Conc Mean	0.6447150[mg/l]	1.0820300[mg/l]	1.1037000[mg/l]	0.9380360[mg/l]	0.8587570[mg/l]	0.0271923[mg/l]	1.1506400[mg/l]
Conc RSD	0.7098346	0.3002578	0.7697046	0.9675076	0.9060712	2.5567716	0.2698020
Conc SD	0.0045764[mg/l]	0.0032489[mg/l]	0.0084952[mg/l]	0.0090756[mg/l]	0.0077810[mg/l]	0.0006952[mg/l]	0.0031044[mg/l]
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3718020	34647.10000	208951	1813560	31050500	24060800	596468
Int RSD	1.7315749	0.5001631	2.5068652	0.3803425	3.0616029	0.6492428	0.4380235
Int SD	64380.30000	173.2920000	5238.120000	6897.740000	950643	156213	2612.670000
RelInt Mean	0.1178330	0.0166144	0.0062739	---	---	---	0.3276420
RelInt RSD	1.3901114	0.3273125	0.6562302	---	---	---	0.1868237
RelInt SD	0.0016380	0.0000544	0.0000412	---	---	---	0.0006121
Conc Mean	1.0227300[mg/l]	1.0175700[mg/l]	0.9763740[mg/l]	1801740	30960100	24005500	1.0905800[mg/l]
Conc RSD	1.3895945	0.3315772	0.6658965	---	---	---	0.1872655
Conc SD	0.0142118[mg/l]	0.0033740[mg/l]	0.0065016[mg/l]	6855.170000	950049	156309	0.0020423[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9000220	8519780	606807	6817.090000	536561	5581.420000	
Int RSD	0.6236214	0.8389935	0.4150809	1.4911641	0.1834958	0.9151291	
Int SD	56127.30000	71480.40000	2518.740000	101.6540000	984.5670000	51.0772000	
RelInt Mean	0.3724670	0.3506730	0.3310590	0.0012884	0.2924600	0.0001408	
RelInt RSD	0.0489727	1.4879817	0.0477486	4.6921602	0.2038392	24.3480083	
RelInt SD	0.0001824	0.0052179	0.0001581	0.0000605	0.0005961	0.0000343	
Conc Mean	0.9176340[mg/l]	0.8328340[mg/l]	4.8797400[mg/l]	0.0285156[mg/l]	0.9552110[mg/l]	0.0257656[mg/l]	
Conc RSD	0.0488567	1.4880636	0.0494276	5.6680904	0.2062340	10.7890754	
Conc SD	0.0004483[mg/l]	0.0123931[mg/l]	0.0024119[mg/l]	0.0016163[mg/l]	0.0019700[mg/l]	0.0027799[mg/l]	

Sample Name: BSD,QC1166774,344350 Sample Type: Unknown Sample

Measure Date: 2024-07-03 13:57:38 Recalculation Date: State: Measured Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	437540	342987	37993.20000	152365	720952	738749	391838
Int RSD	1.4870983	0.0739203	0.6152996	0.5025655	0.1095386	0.1437349	0.0997417
Int SD	6506.650000	253.5370000	233.7720000	765.7340000	789.7210000	1061.840000	390.8260000
RelInt Mean	0.0122894	0.0126799	0.0184527	0.0785536	0.3903590	0.0297850	0.2099360
RelInt RSD	1.0420688	1.0100868	1.3589122	0.7108509	0.5034238	1.0084136	0.5294471
RelInt SD	0.0001281	0.0001281	0.0002508	0.0005584	0.0019652	0.0003004	0.0011115
Conc Mean	0.4381790[mg/l]	0.8500950[mg/l]	0.9290430[mg/l]	0.8526020[mg/l]	1.0350400[mg/l]	0.9859310[mg/l]	1.0752500[mg/l]
Conc RSD	1.0450957	1.0124786	1.3536295	0.7221705	0.5041921	1.1050672	0.5322995
Conc SD	0.0045794[mg/l]	0.0086070[mg/l]	0.0125758[mg/l]	0.0061572[mg/l]	0.0052186[mg/l]	0.0108952[mg/l]	0.0057236[mg/l]

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	316071	1020110	632376	536249	124164	3036880	259155
Int RSD	0.3236615	1.4385802	0.5078339	0.7092302	0.1742172	0.3985768	0.3062021
Int SD	1023.000000	14675.10000	3211.420000	3803.240000	216.3150000	12104.30000	793.5380000
RelInt Mean	0.1682550	0.0314184	0.3406200	0.0219676	0.0034457	1.6600300	0.1390710
RelInt RSD	0.4216326	0.8944377	0.9278404	1.3078761	0.6097635	0.5566954	0.3823198
RelInt SD	0.0007094	0.0002810	0.0031604	0.0002873	0.0000210	0.0092413	0.0005317
Conc Mean	1.0167900[mg/l]	0.9928210[mg/l]	1.1409000[mg/l]	5.0819800[mg/l]	0.8599230[mg/l]	1.0507500[mg/l]	1.0159000[mg/l]
Conc RSD	0.4219623	0.8975616	0.9315891	1.3098064	0.7461668	0.5563436	0.3821518
Conc SD	0.0042905[mg/l]	0.0089112[mg/l]	0.0106285[mg/l]	0.0665641[mg/l]	0.0064165[mg/l]	0.0058458[mg/l]	0.0038823[mg/l]

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	471139	263402	71392.70000	43455.00000	28505.80000	6904.320000	27454800
Int RSD	0.3163525	0.1152808	0.1568872	0.1769939	0.7788906	0.4008563	1.1975429
Int SD	1490.460000	303.6520000	112.0060000	76.9127000	222.0290000	27.6764000	328783
RelInt Mean	0.0183698	0.1391680	0.0339673	0.0204491	0.0130575	0.0015002	1.1439600
RelInt RSD	0.7002907	0.5961529	0.5744966	0.6291279	1.0006739	0.3273705	0.1844584
RelInt SD	0.0001286	0.0008297	0.0001951	0.0001287	0.0001307	0.0000049	0.0021101
Conc Mean	0.6404160[mg/l]	1.0634300[mg/l]	1.0844400[mg/l]	0.9231530[mg/l]	0.8470750[mg/l]	0.0267930[mg/l]	1.1358500[mg/l]
Conc RSD	0.7003994	0.5962574	0.5731926	0.6294190	1.0004096	0.3420166	0.1842567
Conc SD	0.0044855[mg/l]	0.0063408[mg/l]	0.0062159[mg/l]	0.0058105[mg/l]	0.0084742[mg/l]	0.0000916[mg/l]	0.0020929[mg/l]

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3679120	34489.80000	204889	1834190	30724200	24017100	592524
Int RSD	1.9932429	0.0662071	2.0477283	0.6149963	0.6394341	1.0663860	0.3440468
Int SD	73333.80000	22.8347000	4195.570000	11280.20000	196461	256115	2038.560000
RelInt Mean	0.1177760	0.0163628	0.0062101	---	---	---	0.3217930
RelInt RSD	1.4138959	0.6696164	1.6864597	---	---	---	0.4081444
RelInt SD	0.0016652	0.0001096	0.0001047	---	---	---	0.0013134
Conc Mean	1.0222400[mg/l]	1.0021600[mg/l]	0.9663200[mg/l]	1822470	30634000	23962000	1.0710800[mg/l]
Conc RSD	1.4137482	0.6751128	1.7114931	---	---	---	0.4087183
Conc SD	0.0144519[mg/l]	0.0067657[mg/l]	0.0165385[mg/l]	11270.30000	196067	256504	0.0043777[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8861010	8502290	594124	7011.690000	531802	5607.230000	
Int RSD	0.3563014	0.4511761	0.4099767	1.2588720	0.2517083	0.1568373	
Int SD	31571.90000	38360.30000	2435.770000	88.2682000	1338.590000	8.7942300	
RelInt Mean	0.3673760	0.3506490	0.3203430	0.0013839	0.2865050	0.0001545	
RelInt RSD	0.9105412	1.5122102	0.6767246	3.0124071	0.3981711	7.1789277	
RelInt SD	0.0033451	0.0053026	0.0021678	0.0000417	0.0011408	0.0000111	
Conc Mean	0.9051160[mg/l]	0.8327790[mg/l]	4.7211900[mg/l]	0.0310678[mg/l]	0.9357390[mg/l]	0.0268747[mg/l]	
Conc RSD	0.9085741	1.5122740	0.6800086	3.5872189	0.3959715	3.3459015	
Conc SD	0.0082236[mg/l]	0.0125939[mg/l]	0.0321045[mg/l]	0.0011145[mg/l]	0.0037053[mg/l]	0.0008992[mg/l]	

Instrument: MET06
 Calibration #: 484267005001
 Units: mg/L

Date: 03-JUL-2024 10:05
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	484267005002	L1	03-JUL-2024 10:09	S20849, S16862 (100X)
L2	met06_master011	484267005003	L2	03-JUL-2024 10:12	S20848, S16862 (100X)
L3	met06_master011	484267005004	L3	03-JUL-2024 10:15	S20847, S16862 (100X)
L4	met06_master011	484267005005	L4	03-JUL-2024 10:19	S20846, S16862 (100X)
L5	met06_master011	484267005006	L5	03-JUL-2024 10:22	S20845, S16862 (100X)
L6	met06_master011	484267005007	L6	03-JUL-2024 10:25	S20614, S16862 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00253	31.8613		0.0251	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	-0.001	0.0230	0.0329	0.0333	0.0314	0.0314

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-29	0.0100	-1	0.1000	7	1.0000	6	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	Cal Date: 03-JUL-2024
Calnum: 484267005001	

- ICV 484267005010 (03-JUL-2024) stds: S21056, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.072	mg/l	7	10	

Method Name: Met06_Master011923

Method Autor:

Operator

Sample Name: ICALBLK,CALBLANK

Sample Type: Calibration Sample

Measure Date: 2024-07-03 10:05:51

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	55929.30000	33888.40000	3717.160000	10556.00000	8839.940000	74739.30000	8235.290000
Int RSD	0.3775356	1.2792962	1.5435010	0.7196457	0.9764919	0.6080349	1.3762964
Int SD	211.1530000	433.5330000	57.3744000	75.9658000	86.3213000	454.4410000	113.3420000
RelInt Mean	0.0000340	0.0000328	-0.0000887	0.0012303	0.0001125	0.0025915	-0.0000106
RelInt RSD	13.0188230	20.5452526	37.2495277	0.4190935	14.0144752	0.7486253	250.6075386
RelInt SD	0.0000044	0.0000067	0.0000330	0.0000052	0.0000158	0.0000194	0.0000267
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8428.340000	52752.70000	12799.50000	8092.650000	51250.10000	10577.50000	4970.760000
Int RSD	0.9780194	0.4354886	0.9790304	1.6082742	0.9191221	2.3532215	0.5541165
Int SD	82.4308000	229.7320000	125.3110000	130.1520000	471.0510000	248.9120000	27.5438000
RelInt Mean	0.0000025	0.0001135	0.0013065	0.0000499	0.0006317	0.0002406	0.0000237
RelInt RSD	540.8712599	5.1947520	9.6070387	7.3554808	1.4714814	38.1365765	75.3388299
RelInt SD	0.0000135	0.0000059	0.0001255	0.0000037	0.0000093	0.0000918	0.0000179
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	30218.80000	9011.430000	8362.580000	5460.680000	4135.510000	3802.710000	36925.80000
Int RSD	0.5555614	0.6331404	1.0815358	0.4519401	1.5776942	0.9131199	1.4706817
Int SD	167.8840000	57.0550000	90.4443000	24.6790000	65.2457000	34.7233000	543.0610000
RelInt Mean	0.0001483	0.0000870	-0.0000813	-0.0000363	-0.0000034	0.0000643	0.0002844
RelInt RSD	18.9027391	45.1878000	22.5930463	54.0705675	680.6283646	55.1507184	2.4023321
RelInt SD	0.0000280	0.0000393	0.0000184	0.0000196	0.0000231	0.0000354	0.0000068
	Ti 334.941	Ti 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	58907.10000	3712.440000	15385.20000	1649040	27451800	20233300	5839.450000
Int RSD	0.5455149	1.2456875	1.3399176	0.2917679	0.6845343	1.4729036	3.0467082
Int SD	321.3470000	46.2454000	206.1490000	4811.370000	187917	298017	177.9110000
RelInt Mean	-0.0000021	-0.0000221	0.0000881	---	---	---	0.0003704
RelInt RSD	501.2822282	56.2197312	3.8015377	---	---	---	24.5008181
RelInt SD	0.0000105	0.0000124	0.0000034	---	---	---	0.0000907
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	23331.10000	23459.60000	10342.20000	4525.360000	8329.470000	4776.890000	
Int RSD	1.7050289	1.8231513	1.1119684	0.5202547	0.7851232	1.0693485	
Int SD	397.8020000	427.7040000	115.0020000	23.5434000	65.3966000	51.0816000	
RelInt Mean	-0.0007757	0.0000150	0.0008323	0.0002218	0.0000554	-0.0001769	
RelInt RSD	2.6017651	33.8009883	5.3957810	8.0403578	20.8057774	13.8041193	
RelInt SD	0.0000202	0.0000051	0.0000449	0.0000178	0.0000115	0.0000244	

Method Name: Met06_Master011923

Method Autor:

Operator

Sample Name: ICAL,L1,S20849

Sample Type: Calibration Sample

Measure Date: 2024-07-03 10:09:12

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	57949.30000	37370.50000	3956.900000	10979.20000	11209.40000	123635	9023.130000
Int RSD	1.4979404	1.8677647	1.0242361	0.4922289	0.0725868	0.3449848	0.4360305
Int SD	868.0460000	697.9930000	40.5280000	54.0428000	8.1365400	426.5220000	39.3436000
RelInt Mean	0.0000351	0.0001457	0.0000171	0.0013435	0.0014259	0.0049775	0.0003373
RelInt RSD	19.7059669	4.5829048	60.4452858	2.2493785	0.6569696	0.2088233	3.7573757
RelInt SD	0.0000069	0.0000067	0.0000103	0.0000302	0.0000094	0.0000104	0.0000127
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9682.260000	57476.90000	19358.00000	12079.20000	55118.70000	22264.80000	5856.380000
Int RSD	0.1689926	1.3472891	1.1536367	2.0201752	1.7894018	0.2747862	0.0693676
Int SD	16.3623000	774.3800000	223.3210000	244.0210000	986.2950000	61.1806000	4.0624300
RelInt Mean	0.0006399	0.0002269	0.0051390	0.0002401	0.0007765	0.0072307	0.0004959
RelInt RSD	4.7036357	1.5714311	2.7011076	2.7118910	1.4452500	0.8861755	2.7968380
RelInt SD	0.0000301	0.0000036	0.0001388	0.0000065	0.0000112	0.0000641	0.0000139
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	59924.90000	10038.00000	8697.870000	5940.250000	4526.390000	4196.550000	445527
Int RSD	1.0060409	1.0301953	0.7262341	0.7970540	0.6532579	0.5839702	0.3716924
Int SD	602.8690000	103.4110000	63.1669000	47.3470000	29.5690000	24.5066000	1655.990000
RelInt Mean	0.0015772	0.0005782	-0.0000049	0.0001700	0.0001820	0.0002455	0.0204415
RelInt RSD	1.0690726	10.9426192	962.6902519	9.1393252	8.4332894	1.4010434	0.2878952
RelInt SD	0.0000169	0.0000633	0.0000470	0.0000155	0.0000153	0.0000034	0.0000589
	Ti 334.941	Ti 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	71600.70000	4090.440000	16427.00000	1651140	26988800	20279300	11654.60000
Int RSD	1.3461111	0.4280664	1.7611006	0.6379471	1.7723982	0.2478458	0.8432988
Int SD	963.8250000	17.5098000	289.2960000	10533.40000	478349	50261.40000	98.2831000
RelInt Mean	0.0003858	0.0001401	0.0001031	---	---	---	0.0038386
RelInt RSD	4.4090523	9.3615001	4.0411073	---	---	---	1.2568078
RelInt SD	0.0000170	0.0000131	0.0000042	---	---	---	0.0000482
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	31979.50000	48164.70000	10520.20000	4574.720000	9432.810000	4933.020000	
Int RSD	2.2045560	1.8790919	0.4201764	0.8032033	0.5474593	0.4145270	
Int SD	705.0060000	905.0590000	44.2034000	36.7443000	51.6408000	20.4487000	
RelInt Mean	-0.0003754	0.0012024	0.0007842	0.0002014	0.0006026	-0.0001303	
RelInt RSD	2.5756400	1.6077132	2.7204886	16.8226953	3.1726027	4.0070319	
RelInt SD	0.0000097	0.0000193	0.0000213	0.0000339	0.0000191	0.0000052	

Sample Name: ICAL,L2,S20848

Sample Type: Calibration Sample

Measure Date: 2024-07-03 10:12:33

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	58967.10000	41435.10000	4206.060000	11923.40000	15546.60000	134318	10267.60000
Int RSD	0.3505446	1.3856199	1.5528690	1.8265763	0.8170082	0.5742559	0.7991225
Int SD	206.7060000	574.1330000	65.3146000	217.7900000	127.0170000	771.3290000	82.0507000
RelInt Mean	0.0000402	0.0003036	0.0001439	0.0018893	0.0040444	0.0054629	0.0010619
RelInt RSD	27.9965004	1.6596025	20.8910533	6.5865484	1.8469947	1.2391422	2.3774507
RelInt SD	0.0000113	0.0000050	0.0000301	0.0001244	0.0000747	0.0000677	0.0000252

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11469.90000	63550.40000	23705.70000	17645.60000	59988.60000	39320.70000	7486.830000
Int RSD	0.3060585	0.2498175	0.6894207	1.2525785	1.1023644	0.1410300	1.0020529
Int SD	35.1046000	158.7600000	163.4320000	221.0250000	661.2930000	55.4540000	75.0220000
RelInt Mean	0.0016850	0.0004190	0.0077398	0.0005002	0.0009737	0.0176376	0.0014532
RelInt RSD	2.1970386	1.6127434	1.9692213	2.3218302	1.7170913	0.6404386	2.1959138
RelInt SD	0.0000370	0.0000068	0.0001524	0.0000116	0.0000167	0.0001130	0.0000319

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	97928.60000	11455.40000	9186.780000	6703.670000	5034.260000	4832.500000	1201930
Int RSD	0.4528748	0.2795747	0.2511642	1.1427755	0.1143685	0.2469674	0.4133011
Int SD	443.4940000	32.0264000	23.0739000	76.6079000	5.7576100	11.9347000	4967.590000
RelInt Mean	0.0034098	0.0014025	0.0002299	0.0006049	0.0004541	0.0006056	0.0576945
RelInt RSD	0.6228870	2.2279896	25.1774990	7.4389835	3.2808932	1.9084498	0.8082937
RelInt SD	0.0000212	0.0000312	0.0000579	0.0000450	0.0000149	0.0000116	0.0004663

	Ti 334.941	Ti 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	93306.30000	4722.910000	17100.70000	1644400	26803900	20311000	22125.20000
Int RSD	0.7547475	0.5986902	0.2738180	0.7053515	0.4094068	0.7234602	0.1733146
Int SD	704.2270000	28.2756000	46.8248000	11598.80000	109737	146942	38.3462000
RelInt Mean	0.0011587	0.0005275	0.0001215	---	---	---	0.0102285
RelInt RSD	2.5790541	0.7363775	3.5932156	---	---	---	0.4464672
RelInt SD	0.0000299	0.0000039	0.0000044	---	---	---	0.0000457

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	48740.90000	93733.50000	10605.50000	4593.990000	11113.50000	4886.900000	
Int RSD	0.9481667	0.1793585	0.5777559	0.6561203	1.4180051	0.4012216	
Int SD	462.1450000	168.1190000	61.2739000	30.1421000	157.5900000	19.6073000	
RelInt Mean	0.0004363	0.0033931	0.0008031	0.0002142	0.0015989	-0.0001823	
RelInt RSD	5.2728927	0.5426456	1.2922410	8.9806333	5.4947338	10.1275772	
RelInt SD	0.0000230	0.0000184	0.0000104	0.0000192	0.0000879	0.0000185	

Sample Name: ICAL,L3,S20847

Sample Type: Calibration Sample

Measure Date: 2024-07-03 10:15:54

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	59129.40000	91512.60000	7192.900000	25141.40000	73788.30000	686352	25805.70000
Int RSD	0.6344187	1.3000177	0.5204326	0.4665412	0.2961526	0.7598273	0.7491949
Int SD	375.1280000	1189.680000	37.4342000	117.2950000	218.5260000	5215.090000	193.3350000
RelInt Mean	0.0000322	0.0026476	0.0019373	0.0099259	0.0396583	0.0328823	0.0105143
RelInt RSD	31.8090052	1.3672389	1.4957414	1.1949498	0.8954393	0.6765646	1.6175494
RelInt SD	0.0000103	0.0000362	0.0000290	0.0001186	0.0003551	0.0002225	0.0001701

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	37547.80000	137575	118853	109112	119986	291871	27689.60000
Int RSD	0.3936955	1.4872978	0.4269795	0.3365991	0.7212150	0.5745209	0.8259997
Int SD	147.8240000	2046.150000	507.4780000	367.2700000	865.3570000	1676.860000	228.7160000
RelInt Mean	0.0175841	0.0031522	0.0659717	0.0050273	0.0039403	0.1722620	0.0137802
RelInt RSD	0.4770503	3.0601936	0.9413279	0.2001715	0.4157966	1.1647781	1.1499180
RelInt SD	0.0000839	0.0000965	0.0006210	0.0000101	0.0000164	0.0020065	0.0001585

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	789510	32298.00000	14265.90000	16040.70000	11988.40000	12395.90000	11668000
Int RSD	0.7718319	0.2982671	0.1125411	0.8133498	0.4349396	0.7961431	0.0899786
Int SD	6093.690000	96.3343000	16.0550000	130.4670000	52.1423000	98.6891000	10498.70000
RelInt Mean	0.0376136	0.0141062	0.0032907	0.0062843	0.0046878	0.0052134	0.5775660
RelInt RSD	0.6332896	0.7977343	0.4861244	0.7198290	0.8238577	1.6945562	0.0640303
RelInt SD	0.0002382	0.0001125	0.0000160	0.0000452	0.0000386	0.0000883	0.0003698

	Ti 334.941	Ti 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	366730	12462.80000	24688.80000	1643060	26942700	20190800	164637
Int RSD	1.4769858	0.5589739	1.0949135	0.5713589	1.5225200	0.1381119	0.4070810
Int SD	5416.550000	69.6638000	270.3210000	9387.770000	410208	27885.90000	670.2060000
RelInt Mean	0.0113046	0.0052386	0.0003979	---	---	---	0.0974959
RelInt RSD	2.7133910	1.4410985	2.3949005	---	---	---	0.9760021
RelInt SD	0.0003067	0.0000755	0.0000095	---	---	---	0.0009516

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	267650	767775	10924.60000	4738.680000	34187.30000	5043.920000	
Int RSD	0.6165029	0.6889844	0.4481171	1.0346805	0.6729458	0.5293641	
Int SD	1650.070000	5289.850000	48.9550000	49.0302000	230.0620000	26.7007000	
RelInt Mean	0.0112873	0.0365685	0.0009501	0.0002544	0.0156436	-0.0001244	
RelInt RSD	0.5336272	0.5778033	2.2021491	11.9186079	0.8161676	11.1240120	
RelInt SD	0.0000602	0.0002113	0.0000209	0.0000303	0.0001277	0.0000138	

Sample Name: ICAL,L4,S20846

Sample Type: Calibration Sample

Measure Date: 2024-07-03 10:19:15

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	60120.60000	606503	36463.60000	154874	637959	5686180	171694
Int RSD	0.5770934	0.3656008	0.9631550	0.6345403	0.5157071	0.7130640	0.6502324
Int SD	346.9520000	2217.380000	351.2010000	982.7380000	3290.000000	40546.10000	1116.410000
RelInt Mean	0.0000334	0.0277498	0.0200126	0.0904773	0.3904910	0.2869390	0.1010520
RelInt RSD	22.4713043	1.4921621	1.0376163	0.5970757	0.4814298	0.3389020	0.4743291
RelInt SD	0.0000075	0.0004141	0.0002077	0.0005402	0.0018799	0.0009724	0.0004793

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	286572	869841	1023380	1377030	707530	2711380	227760
Int RSD	0.5797775	1.5978897	0.2974887	0.5831209	0.4091614	0.1585635	0.8099666
Int SD	1661.480000	13899.10000	3044.440000	8029.750000	2894.940000	4299.260000	1844.780000
RelInt Mean	0.1722160	0.0314452	0.6285300	0.0691202	0.0336630	1.6775400	0.1380370
RelInt RSD	0.5273941	2.4211644	0.2865400	0.3783192	1.3733892	0.1561793	0.6566268
RelInt SD	0.0009083	0.0007613	0.0018010	0.0002615	0.0004623	0.0026200	0.0009064

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9640930	231702	62863.80000	106493	81833.80000	91220.80000	99168700
Int RSD	0.6568412	0.5857092	0.3734057	0.4688440	0.5588669	0.1018285	0.4907244
Int SD	63325.60000	1357.100000	234.7370000	499.2860000	457.3420000	92.8888000	486645
RelInt Mean	0.4851060	0.1378680	0.0332732	0.0623962	0.0480070	0.0541172	5.0259100
RelInt RSD	0.3910382	0.5194766	0.6576825	0.5709514	0.6263149	0.3124349	0.4287602
RelInt SD	0.0018970	0.0007162	0.0002188	0.0003563	0.0003007	0.0001691	0.0215491

	Ti 334.941	Ti 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3121980	87788.00000	96879.20000	1620620	25935000	19771300	1569130
Int RSD	1.6129059	0.4712159	2.1971899	0.2662432	0.8107500	0.9116396	0.4447445
Int SD	50354.60000	413.6710000	2128.620000	4314.790000	210268	180243	6978.620000
RelInt Mean	0.1180790	0.0519964	0.0031800	---	---	---	0.9711140
RelInt RSD	2.3723016	0.3190259	3.3629037	---	---	---	0.2622246
RelInt SD	0.0028012	0.0001659	0.0001069	---	---	---	0.0025465

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	2470280	8304360	13643.00000	5557.860000	256736	5471.830000	
Int RSD	0.8770585	0.5695610	1.1335703	1.3933924	0.4674997	0.5264564	
Int SD	21665.80000	47298.40000	154.6530000	77.4428000	1200.240000	28.8068000	
RelInt Mean	0.1229340	0.4158540	0.0024316	0.0006013	0.1537640	-0.0000121	
RelInt RSD	0.4436714	0.3930081	5.1927506	9.6558961	0.5226574	185.0047977	
RelInt SD	0.0005454	0.0016343	0.0001263	0.0000581	0.0008037	0.0000224	

Sample Name: ICAL,L5,S20845

Sample Type: Calibration Sample

Measure Date: 2024-07-03 10:22:35

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	63497.50000	2817090	157570	726975	2944450	25824900	795482
Int RSD	0.7097807	0.2780738	0.0853094	0.2501792	0.3302131	0.1490891	0.1201304
Int SD	450.6930000	7833.590000	134.4220000	1818.740000	9722.960000	38502.10000	955.6160000
RelInt Mean	0.0000309	0.1445080	0.0976412	0.4587800	1.8771000	1.3867300	0.5023200
RelInt RSD	22.7182593	1.0955726	0.4805174	0.1617834	0.0845565	0.8092779	0.3604475
RelInt SD	0.0000070	0.0015832	0.0004692	0.0007422	0.0015872	0.0112225	0.0018106

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1296850	3906660	4730240	8107440	3035290	12581000	1106070
Int RSD	0.3401835	1.9352900	0.3428917	0.6901192	0.0656530	0.5389389	0.4357093
Int SD	4411.670000	75605.20000	16219.60000	55951.00000	1992.760000	67803.90000	4819.250000
RelInt Mean	0.8223430	0.1549090	3.0181300	0.4336940	0.1603680	8.0410700	0.7034970
RelInt RSD	0.1858726	2.9714026	0.2683105	1.5930426	0.8779557	0.5618369	0.0281595
RelInt SD	0.0015285	0.0046030	0.0080980	0.0069089	0.0014080	0.0451777	0.0001981

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	48980800	1035240	255562	512236	367383	422536	139922000
Int RSD	0.1796539	0.5312884	0.2557102	0.1269637	0.4687288	0.4567114	0.0055513
Int SD	87995.90000	5500.110000	653.4980000	650.3540000	1722.030000	1929.770000	7767.450000
RelInt Mean	2.6169400	0.6550160	0.1567540	0.3229320	0.2317250	0.2672940	7.5155100
RelInt RSD	0.7754591	0.1369104	0.3194751	0.3553844	0.3467455	0.1245973	0.9363303
RelInt SD	0.0202933	0.0008968	0.0005008	0.0011477	0.0008035	0.0003330	0.0703700

	Ti 334.941	Ti 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	14217100	396704	406957	1574890	24828900	18647100	7475860
Int RSD	1.3872520	0.1308215	2.1437007	0.4055705	1.0240486	0.9380923	0.5406308
Int SD	197227	518.9740000	8723.940000	6387.290000	254260	174927	40416.80000
RelInt Mean	0.5708050	0.2504030	0.0157773	---	---	---	4.7776200
RelInt RSD	2.4098773	0.3593036	3.2848713	---	---	---	0.4476873
RelInt SD	0.0137557	0.0008997	0.0005183	---	---	---	0.0213888

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	11409000	40354400	24712.80000	8741.110000	1181280	7057.100000	
Int RSD	0.6584381	0.4416867	0.5674428	1.6082511	0.4438990	0.8136869	
Int SD	75121.20000	178240	140.2310000	140.5790000	5243.690000	57.4227000	
RelInt Mean	0.6100060	2.1462200	0.0092231	0.0021858	0.7484850	0.0005486	
RelInt RSD	0.4058599	0.5600637	1.0287116	4.9232543	0.0528787	7.3541743	
RelInt SD	0.0024758	0.0120202	0.0000949	0.0001076	0.0003958	0.0000403	

Sample Name: ICAL,L6,S20614					Sample Type: Calibration Sample		
Measure Date: 2024-07-03 10:25:56			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	67217.00000	5564080	310033	1388140	5721040	49512900	1480940
Int RSD	0.8931133	0.5740967	0.4824035	0.8054231	0.6084086	0.4508360	0.6181175
Int SD	600.3240000	31943.20000	1495.610000	11180.40000	34807.30000	223222	9153.950000
RelInt Mean	0.0000145	0.2999640	0.2002340	0.9062160	3.7559600	2.7554100	0.9664350
RelInt RSD	48.3245560	1.1050526	0.8531169	0.4318363	0.2377536	0.5738202	0.2758954
RelInt SD	0.0000070	0.0033148	0.0017082	0.0039134	0.0089299	0.0158111	0.0026664
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	2531620	7668150	9017120	15598300	5987970	23895300	2072830
Int RSD	0.5278912	2.4669184	0.6877118	0.2458806	0.3430278	0.2973468	0.5829615
Int SD	13364.20000	189167	62011.80000	38353.20000	20540.40000	71051.90000	12083.80000
RelInt Mean	1.6564800	0.3168650	5.9230400	0.8637350	0.3299600	15.7110000	1.3586000
RelInt RSD	0.1650373	2.8292049	0.3167478	0.4008996	0.7393139	0.3387868	0.2328684
RelInt SD	0.0027338	0.0089648	0.0187611	0.0034627	0.0024394	0.0532268	0.0031638
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	105715000	1999090	488565	1020740	708242	820832	139826000
Int RSD	0.3596339	0.6722709	0.3606787	0.5413014	0.6045194	0.4117079	0.0037843
Int SD	380187	13439.30000	1762.150000	5525.280000	4281.460000	3379.430000	5291.500000
RelInt Mean	5.8566700	1.3066000	0.3136300	0.6655260	0.4620790	0.5364220	7.7724100
RelInt RSD	0.1554639	0.2999832	0.7582215	0.8904896	0.9839659	0.7871471	0.5161745
RelInt SD	0.0091050	0.0039196	0.0023780	0.0059264	0.0045467	0.0042224	0.0401192
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	27721400	742007	779538	1532760	23992900	18004200	13437600
Int RSD	1.8573160	0.4028196	1.4876760	0.3757483	0.7436992	0.5085047	0.2008022
Int SD	514874	2988.950000	11597.00000	5759.320000	178435	91552.20000	26983.00000
RelInt Mean	1.1544800	0.4838710	0.0318303	---	---	---	8.8338000
RelInt RSD	2.1081959	0.1342176	1.9196112	---	---	---	0.4396273
RelInt SD	0.0243387	0.0006494	0.0006110	---	---	---	0.0388358
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	21969200	76037900	37736.40000	12529.00000	2342940	8717.990000	
Int RSD	0.6046010	0.2916664	0.3352307	0.3170612	0.6136905	0.4371340	
Int SD	132826	221777	126.5040000	39.7246000	14378.40000	38.1093000	
RelInt Mean	1.2189500	4.1898800	0.0175365	0.0041736	1.5319600	0.0012082	
RelInt RSD	0.8395094	0.3483990	0.5974054	0.5236724	0.2515157	2.5053551	
RelInt SD	0.0102332	0.0145975	0.0001048	0.0000219	0.0038531	0.0000303	

Sample Name: ICAL,L7,S20782

Sample Type: Calibration Sample

Measure Date: 2024-07-03 10:29:17

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1542080	37571.70000	4047.860000	11702.00000	9576.330000	77773.60000	8797.000000
Int RSD	1.1297468	2.8290176	0.2497715	2.2224662	0.4903340	0.6961282	0.7533614
Int SD	17421.60000	1062.910000	10.1104000	260.0730000	46.9560000	541.4040000	66.2732000
RelInt Mean	0.0559718	0.0000590	-0.0000140	0.0016089	0.0002346	0.0026121	0.0000328
RelInt RSD	1.8503246	0.5051138	103.6731634	11.0848473	22.5717318	1.2226140	149.6301642
RelInt SD	0.0010357	0.0000003	0.0000145	0.0001783	0.0000530	0.0000319	0.0000491
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8995.040000	57066.30000	15506.60000	8929.260000	54763.50000	12038.20000	9642.560000
Int RSD	0.1238093	0.1651258	2.9414636	3.6867669	1.7544678	1.0819392	10.9521745
Int SD	11.1367000	94.2312000	456.1210000	329.2010000	960.8080000	130.2460000	1056.070000
RelInt Mean	0.0000446	0.0001330	0.0025266	0.0000593	0.0006463	0.0007957	0.0026644
RelInt RSD	23.8879991	14.1220358	10.2310606	3.4199568	0.2214821	11.2195042	24.0946930
RelInt SD	0.0000106	0.0000188	0.0002585	0.0000020	0.0000014	0.0000893	0.0006420
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	33818.50000	10761.00000	8824.160000	6018.180000	4496.760000	4232.290000	53829.80000
Int RSD	1.1727516	0.4972001	0.1914177	0.4781578	0.1782930	1.3183099	0.4563978
Int SD	396.6070000	53.5037000	16.8910000	28.7764000	8.0174100	55.7947000	245.6780000
RelInt Mean	0.0002265	0.0008296	-0.0001483	0.0000972	0.0000564	0.0001773	0.0009744
RelInt RSD	9.4257467	4.2694950	5.3576044	22.6701498	22.4324770	23.7135736	4.3210899
RelInt SD	0.0000213	0.0000354	0.0000079	0.0000220	0.0000126	0.0000421	0.0000421
	Ti 334.941	Ti 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	77144.30000	4043.690000	16769.50000	1656920	26504000	20498600	7253.220000
Int RSD	2.9884385	0.3604628	0.2796005	0.3181994	2.7638281	0.7340257	1.9358299
Int SD	2305.410000	14.5760000	46.8876000	5272.310000	732525	150465	140.4100000
RelInt Mean	0.0005032	0.0000330	0.0000920	---	---	---	0.0010344
RelInt RSD	21.8677095	38.6196338	10.3691508	---	---	---	7.0281320
RelInt SD	0.0001100	0.0000127	0.0000095	---	---	---	0.0000727
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	25522.30000	26199.70000	11126.00000	4727.970000	8963.480000	5075.510000	
Int RSD	3.3730463	2.2452624	0.8003586	1.3964048	0.4422267	0.2888715	
Int SD	860.8790000	588.2520000	89.0479000	66.0216000	39.6389000	14.6617000	
RelInt Mean	-0.0007378	0.0000598	0.0009794	0.0002138	0.0001354	-0.0001514	
RelInt RSD	4.1926355	10.0248176	6.8027486	25.2479629	31.5594189	11.2182882	
RelInt SD	0.0000309	0.0000060	0.0000666	0.0000540	0.0000427	0.0000170	

Sample Name: ICAL,L8,S20759

Sample Type: Calibration Sample

Measure Date: 2024-07-03 10:32:37

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	60035.90000	38355.50000	3964.660000	11345.90000	9305.640000	76844.10000	8618.650000
Int RSD	0.4450187	0.8065519	0.4967362	0.7462643	0.8296947	0.8610160	0.5361269
Int SD	267.1710000	309.3570000	19.6939000	84.6704000	77.2084000	661.6400000	46.2069000
RelInt Mean	0.0000386	0.0001423	-0.0000525	0.0013928	0.0000971	0.0025337	-0.0000331
RelInt RSD	21.0554155	9.1153770	15.2667609	3.6153172	36.0517144	1.2418092	127.0726967
RelInt SD	0.0000081	0.0000130	0.0000080	0.0000504	0.0000350	0.0000315	0.0000420

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8923.410000	56843.80000	14640.50000	8592.970000	53825.10000	11497.40000	6019.690000
Int RSD	0.3448603	0.6787178	0.7873706	2.7529364	0.7009536	0.3789291	1.3431456
Int SD	30.7733000	385.8090000	115.2750000	236.5590000	377.2890000	43.5670000	80.8532000
RelInt Mean	0.0000624	0.0001337	0.0020303	0.0000514	0.0006279	0.0004854	0.0004748
RelInt RSD	29.7171111	2.8003918	2.8599299	12.9344731	3.2881746	4.5205073	10.6592168
RelInt SD	0.0000186	0.0000037	0.0000581	0.0000066	0.0000206	0.0000219	0.0000506

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	33027.50000	15272.40000	8782.390000	5817.380000	4393.950000	4080.470000	42264.70000
Int RSD	1.7855969	0.9757406	0.5654201	0.3731078	0.5359301	1.0057812	0.2333011
Int SD	589.7380000	149.0190000	49.6574000	21.7051000	23.5485000	41.0406000	98.6040000
RelInt Mean	0.0002147	0.0035349	-0.0000977	-0.0000089	0.0000278	0.0000929	0.0004417
RelInt RSD	10.0915573	2.3822369	45.3684921	335.2069609	59.7347236	32.8410514	0.8493475
RelInt SD	0.0000217	0.0000842	0.0000443	0.0000298	0.0000166	0.0000305	0.0000038

	Ti 334.941	Ti 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	72325.40000	3918.070000	16474.40000	1705910	27908900	21019600	6513.610000
Int RSD	0.6373252	0.3890257	1.1352341	0.6066322	1.0432084	0.2412910	0.6940145
Int SD	460.9480000	15.2423000	187.0230000	10348.60000	291148	50718.40000	45.2054000
RelInt Mean	0.0003239	-0.0000385	0.0000829	---	---	---	0.0005912
RelInt RSD	6.3852926	56.6407172	2.3127899	---	---	---	4.3332973
RelInt SD	0.0000207	0.0000218	0.0000019	---	---	---	0.0000256

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	24698.30000	24997.10000	1153250	639304	8744.940000	214183	
Int RSD	0.6194596	0.7473427	0.4906950	0.2635037	0.3926271	0.3682020	
Int SD	152.9960000	186.8140000	5658.940000	1684.590000	34.3350000	788.6260000	
RelInt Mean	-0.0007339	0.0000319	0.6743300	0.3742670	0.0000553	0.1231300	
RelInt RSD	0.8575927	8.7417393	0.5370768	0.4026885	49.1113072	0.4996646	
RelInt SD	0.0000063	0.0000028	0.0036217	0.0015071	0.0000272	0.0006152	

Sample Name: ICV,S21056					Sample Type: Control Sample		
Measure Date: 2024-07-03 10:36:07			Recalculation Date:		State: Check failed		Quality: Failed
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	395420	397720	36369.80000	154598	614365	27213000	329792
Int RSD	1.2615245	0.5832998	0.3680499	0.2613494	0.2442262	1.1036122	0.3607486
Int SD	4988.320000	2319.900000	133.8590000	404.0410000	1500.440000	300326	1189.720000
RelInt Mean	0.0131824	0.0141267	0.0207748	0.0945023	0.3945050	1.4272400	0.2089440
RelInt RSD	2.1071732	0.4304969	0.2844398	0.4558386	0.4692437	0.6637412	0.4986791
RelInt SD	0.0002778	0.0000608	0.0000591	0.0004308	0.0018512	0.0094732	0.0010420
Conc Mean	0.4701100[mg/l]	0.9473110[mg/l]	1.0455000[mg/l]	1.0284600[mg/l]	1.0461000[mg/l]	51.6801000[mg/l]	1.0701800[mg/l]
Conc RSD	2.1128332	0.4313641	0.2828446	0.4618420	0.4707733	0.6649252	0.5022314
Conc SD	0.0099326[mg/l]	0.0040864[mg/l]	0.0029571[mg/l]	0.0047499[mg/l]	0.0049248[mg/l]	0.3436340[mg/l]	0.0053748[mg/l]
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	269038	842886	501569	4586760	3163630	2548810	217370
Int RSD	0.2673630	1.9591143	0.1706826	0.3714932	0.3195633	0.3911276	0.2315163
Int SD	719.3080000	16513.10000	856.0910000	17039.50000	10109.80000	9969.100000	503.2470000
RelInt Mean	0.1690910	0.0310119	0.3193060	0.2393320	0.1632910	1.6559500	0.1380720
RelInt RSD	0.6279577	2.7427084	0.5171841	0.5941830	0.5612453	0.2980561	0.1691813
RelInt SD	0.0010618	0.0008506	0.0016514	0.0014221	0.0009165	0.0049357	0.0002336
Conc Mean	1.0218400[mg/l]	0.9799300[mg/l]	1.0692200[mg/l]	55.4379000[mg/l]	49.6782000[mg/l]	1.0481700[mg/l]	1.0086000[mg/l]
Conc RSD	0.6276775	2.7526660	0.5198163	0.5942812	0.5633034	0.2981854	0.1693883
Conc SD	0.0064139[mg/l]	0.0269742[mg/l]	0.0055580[mg/l]	0.3294570[mg/l]	0.2798390[mg/l]	0.0031255[mg/l]	0.0017085[mg/l]
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	26472100	221213	61230.30000	40918.50000	29593.10000	424345	21486500
Int RSD	0.6273586	0.5488782	0.4830043	0.1565901	0.7893326	0.1847563	0.3290485
Int SD	166075	1214.190000	295.7450000	64.0743000	233.5880000	784.0040000	70701.00000
RelInt Mean	1.3819200	0.1376110	0.0335732	0.0225095	0.0161762	0.2741430	1.1264800
RelInt RSD	0.9072305	0.6568145	0.9578354	0.4759813	0.6980811	0.5292749	0.1548061
RelInt SD	0.0125372	0.0009038	0.0003216	0.0001071	0.0001129	0.0014510	0.0017439
Conc Mean	48.1772000[mg/l]	1.0515300[mg/l]	1.0718700[mg/l]	1.0165800[mg/l]	1.0493800[mg/l]	5.1132800[mg/l]	1.1184900[mg/l]
Conc RSD	0.9071988	0.6574962	0.9554890	0.4741693	0.6980417	0.5293667	0.1548793
Conc SD	0.4370630[mg/l]	0.0069138[mg/l]	0.0102416[mg/l]	0.0048203[mg/l]	0.0073251[mg/l]	0.0270680[mg/l]	0.0017323[mg/l]
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3025890	31982.10000	174091	1543520	25406500	19091400	522605
Int RSD	1.7456021	0.4365692	1.2621100	0.3936949	0.9902112	0.4518506	0.3033132
Int SD	52820.00000	139.6240000	2197.220000	6076.760000	251578	86264.60000	1585.130000
RelInt Mean	0.1167120	0.0179141	0.0062703	---	---	---	0.3370820
RelInt RSD	2.5747481	0.2149748	2.2293794	---	---	---	0.6187456
RelInt SD	0.0030050	0.0000385	0.0001398	---	---	---	0.0020857
Conc Mean	1.0130000[mg/l]	1.0976400[mg/l]	0.9758280[mg/l]	1531820	25313700	19033600	1.1220800[mg/l]
Conc RSD	2.5748865	0.2115010	2.2620995	---	---	---	0.6198168
Conc SD	0.0260836[mg/l]	0.0023215[mg/l]	0.0220742[mg/l]	6069.810000	251586	86021.10000	0.0069548[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	7855380	8746300	594640	312878	493711	107770	
Int RSD	0.9145783	0.7647245	0.2547104	0.3984652	0.1117010	0.0968331	
Int SD	71843.60000	66885.10000	1514.610000	1246.710000	551.4800000	104.3570000	
RelInt Mean	0.4096760	0.4537690	0.3810040	0.2008660	0.3156570	0.0665266	
RelInt RSD	0.5766655	1.0832847	0.5405796	0.1253741	0.4304926	0.3553736	
RelInt SD	0.0023625	0.0049156	0.0020596	0.0002518	0.0013589	0.0002364	
Conc Mean	1.0091200[mg/l]	1.0777000[mg/l]	5.6220400[mg/l]	5.3641800[mg/l]	1.0308900[mg/l]	5.4095600[mg/l]	
Conc RSD	0.5758245	1.0836318	0.5433010	0.1256669	0.4317706	0.3544632	
Conc SD	0.0058108[mg/l]	0.0116783[mg/l]	0.0305446[mg/l]	0.0067410[mg/l]	0.0044511[mg/l]	0.0191749[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484267005012	File: met06_master011
Cal: 484267005001	Time: 03-JUL-2024 10:42
Caldate: 03-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	26536300	-3.33
Yttrium	A	1649040	1633820	-0.92
Yttrium	R	20233300	20369700	0.67

Sample Name: ICB,1				Sample Type: Control Sample			
Measure Date: 2024-07-03 10:42:45			Recalculation Date:		State: Checked		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	62391.50000	37889.60000	4066.760000	12294.90000	9674.320000	76719.10000	9024.890000
Int RSD	1.1570230	1.1089138	0.3695497	0.8938910	0.7869969	0.8297829	0.8782179
Int SD	721.8840000	420.1630000	15.0287000	109.9030000	76.1366000	636.6020000	79.2582000
RelInt Mean	0.0000450	0.0000257	-0.0000728	0.0018267	0.0001373	0.0025438	0.0000023
RelInt RSD	38.0324429	39.7989848	18.9853572	2.7232237	10.5455274	1.0453965	595.2487285
RelInt SD	0.0000171	0.0000102	0.0000138	0.0000497	0.0000145	0.0000266	0.0000137
Conc Mean	<0.0003925[mg/l]	<0.0001744[mg/l]	<0.0007932[mg/l]	0.0065767[mg/l]	<0.0000246[mg/l]	<-0.0022691[mg/l]	<0.0000082[mg/l]
Conc RSD	155.8514189	393.9462578	87.4603831	8.3405203	159.0007279	42.5165370	864.2559829
Conc SD	0.0006117[mg/l]	0.0006870[mg/l]	0.0006938[mg/l]	0.0005485[mg/l]	0.0000391[mg/l]	0.0009648[mg/l]	0.0000705[mg/l]
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9248.590000	58592.60000	13045.50000	8868.630000	55712.40000	11488.90000	5638.300000
Int RSD	0.0558405	1.3062998	1.2921314	1.3340279	0.6866586	0.6201638	0.5398613
Int SD	5.1644600	765.3950000	168.5650000	118.3100000	382.5540000	71.2500000	30.4390000
RelInt Mean	0.0000198	0.0001311	0.0007999	0.0000477	0.0006406	0.0001865	0.0001334
RelInt RSD	154.8180596	9.0853696	4.9037773	13.2538720	2.8976376	28.4063418	16.8790945
RelInt SD	0.0000306	0.0000119	0.0000392	0.0000063	0.0000186	0.0000530	0.0000225
Conc Mean	<0.0000765[mg/l]	<0.0006161[mg/l]	<-0.0018971[mg/l]	<0.0038690[mg/l]	<0.0032213[mg/l]	<-0.0001444[mg/l]	0.0007255[mg/l]
Conc RSD	242.2253412	61.3168778	6.9528915	37.8252778	175.9835468	23.2282145	22.6784415
Conc SD	0.0001852[mg/l]	0.0003778[mg/l]	0.0001319[mg/l]	0.0014635[mg/l]	0.0056689[mg/l]	0.0000335[mg/l]	0.0001645[mg/l]
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	32924.40000	9853.200000	9132.220000	6057.860000	4563.230000	4214.460000	41343.10000
Int RSD	0.3928545	0.3448057	0.4227822	0.6577636	0.4807056	0.8731747	0.9615534
Int SD	129.3450000	33.9744000	38.6094000	39.8464000	21.9357000	36.7996000	397.5360000
RelInt Mean	0.0001456	0.0001007	-0.0001128	0.0000003	0.0000136	0.0000941	0.0003180
RelInt RSD	13.2764967	32.0220592	36.4323088	3846.362900	60.4013307	27.6749761	3.8763863
RelInt SD	0.0000193	0.0000323	0.0000411	0.0000133	0.0000082	0.0000261	0.0000123
Conc Mean	0.0050767[mg/l]	<0.0000460[mg/l]	<-0.0010682[mg/l]	<0.0016635[mg/l]	<0.0009925[mg/l]	<0.0005607[mg/l]	<-0.0000416[mg/l]
Conc RSD	13.2764659	536.1488080	122.5214851	36.2712802	53.6380555	86.6919325	29.4415804
Conc SD	0.0006740[mg/l]	0.0002466[mg/l]	0.0013088[mg/l]	0.0006034[mg/l]	0.0005323[mg/l]	0.0004861[mg/l]	0.0000122[mg/l]
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	66631.00000	4059.920000	17159.40000	1633820	26536300	20369700	6411.500000
Int RSD	0.9393676	0.9175772	0.0748400	0.3734291	0.6776943	0.2388990	0.3188599
Int SD	625.9100000	37.2529000	12.8421000	6101.160000	179835	48663.00000	20.4437000
RelInt Mean	0.0000245	-0.0000437	0.0000877	---	---	---	0.0004103
RelInt RSD	39.8317153	28.3601071	9.8401242	---	---	---	7.5085360
RelInt SD	0.0000098	0.0000124	0.0000086	---	---	---	0.0000308
Conc Mean	<0.0002312[mg/l]	<-0.0018783[mg/l]	<-0.0000488[mg/l]	1622420	26443300	20313000	<-0.0005344[mg/l]
Conc RSD	36.6884372	40.6308330	2789.654587	---	---	---	19.2169786
Conc SD	0.0000848[mg/l]	0.0007632[mg/l]	0.0013627[mg/l]	6095.940000	179789	48304.00000	0.0001027[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	25871.80000	25962.00000	15217.20000	4805.240000	9133.680000	5145.840000	
Int RSD	0.5536028	1.4690163	1.0481823	0.8874042	0.8924869	1.0269480	
Int SD	143.2270000	381.3860000	159.5040000	42.6419000	81.5169000	52.8451000	
RelInt Mean	-0.0007767	0.0000217	0.0033289	0.0001766	0.0000758	-0.0001689	
RelInt RSD	1.5830198	24.1362065	2.0229027	19.0257979	23.2608027	19.6530129	
RelInt SD	0.0000123	0.0000052	0.0000673	0.0000336	0.0000176	0.0000332	
Conc Mean	<-0.0000069[mg/l]	<-0.0000049[mg/l]	0.0370525[mg/l]	<-0.0012098[mg/l]	<0.0000828[mg/l]	<0.0006475[mg/l]	
Conc RSD	440.5782950	254.3255319	2.7083733	74.2367207	67.0319636	415.8618762	
Conc SD	0.0000302[mg/l]	0.0000124[mg/l]	0.0010035[mg/l]	0.0008981[mg/l]	0.0000555[mg/l]	0.0026926[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	Run Name: S21125	IDF: 1.0
Seqnum: 484267005015	File: met06_master011	Time: 03-JUL-2024 12:23
Cal: 484267005001	Caldate: 03-JUL-2024	

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.001621]	0.003333	mg/l	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.6	mg/l	91	
Aluminum	R	400.0	364.8	mg/l	91	
Calcium	R	400.0	254.8	mg/l	64	
Magnesium	R	400.0	389.2	mg/l	97	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	25628500	-6.64
Yttrium	A	1649040	1538520	-6.70
Yttrium	R	20233300	19247000	-4.87

Sample Name: S21125					Sample Type: Unknown Sample		
Measure Date: 2024-07-03 12:23:38			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	63294.30000	104735000	13035.30000	17760.70000	13289.70000	134908000	11611.70000
Int RSD	1.0088191	0.2198692	1.9146702	0.5849488	0.8862051	0.0399724	0.8903434
Int SD	638.5250000	230280	249.5830000	103.8910000	117.7740000	53925.90000	103.3840000
RelInt Mean	0.0000239	5.4284500	0.0000050	0.0029449	0.0010763	7.0263500	0.0002736
RelInt RSD	13.5902595	0.1665881	2794.641792	1.1833642	5.3163919	0.3337793	20.9383396
RelInt SD	0.0000032	0.0090431	0.0001405	0.0000348	0.0000572	0.0234525	0.0000573
Conc Mean	<-0.0003612[mg/l]	>364.7520000[mg/l]	<0.0047022[mg/l]	0.0189058[mg/l]	0.0025362[mg/l]	>254.7930000[mg/l]	<0.0013965[mg/l]
Conc RSD	32.1590440	0.1665669	149.8647442	2.0323869	6.0878788	0.3338471	21.0297393
Conc SD	0.0001162[mg/l]	0.6075560[mg/l]	0.0070469[mg/l]	0.0003842[mg/l]	0.0001544[mg/l]	0.8506190[mg/l]	0.0002937[mg/l]
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	11664.40000	63641.50000	65996700	9846.040000	24582500	25734.90000	19836.40000
Int RSD	0.3520670	0.9384835	0.0789352	2.7337386	0.4992169	1.1436532	0.5509467
Int SD	41.0665000	597.2650000	52094.60000	269.1650000	122720	294.3180000	109.2880000
RelInt Mean	-0.0006290	0.0002007	43.2829000	0.0000815	1.2749900	0.0050732	-0.0003249
RelInt RSD	7.9570361	6.9356478	0.6887847	4.5347165	0.1751975	2.0311518	26.1468480
RelInt SD	0.0000500	0.0000139	0.2981260	0.0000037	0.0022338	0.0001030	0.0000850
Conc Mean	<-0.0038444[mg/l]	0.0028228[mg/l]	>145.5530000[mg/l]	0.0117184[mg/l]	>389.2020000[mg/l]	0.0029495[mg/l]	<-0.0026234[mg/l]
Conc RSD	7.8677148	15.6390618	0.6888213	7.3104434	0.1752049	2.2118718	23.6621318
Conc SD	0.0003025[mg/l]	0.0004415[mg/l]	1.0026000[mg/l]	0.0008567[mg/l]	0.6819010[mg/l]	0.0000652[mg/l]	0.0006207[mg/l]
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	98138.10000	12088.60000	26339.10000	23162.30000	15435.10000	12781.80000	505232
Int RSD	0.8494367	0.7720191	0.3422691	0.4379185	0.8378631	0.9976373	0.1266854
Int SD	833.6210000	93.3263000	90.1506000	101.4320000	129.3250000	127.5160000	640.0550000
RelInt Mean	0.0031098	-0.0000302	0.0031873	0.0000915	-0.0001842	-0.0000939	0.0238066
RelInt RSD	1.8183446	104.9836804	3.6597916	64.4968933	47.9045495	65.4974223	0.4870834
RelInt SD	0.0000565	0.0000317	0.0001167	0.0000590	0.0000883	0.0000615	0.0001160
Conc Mean	0.1084150[mg/l]	<-0.0009550[mg/l]	<-0.0016212[mg/l]	0.0058199[mg/l]	<-0.0118396[mg/l]	<-0.0029475[mg/l]	0.0232878[mg/l]
Conc RSD	1.8186782	25.3677768	223.7057506	45.9502741	48.3541674	38.9277160	0.4946925
Conc SD	0.0019717[mg/l]	0.0002423[mg/l]	0.0036267[mg/l]	0.0026743[mg/l]	0.0057249[mg/l]	0.0011474[mg/l]	0.0001152[mg/l]
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	78124.00000	13267.40000	20425.80000	1538520	25628500	19247000	23133.40000
Int RSD	1.3055143	0.5922328	1.7874159	0.7370655	0.3731822	0.3524653	0.5835675
Int SD	1019.920000	78.5739000	365.0940000	11339.90000	95641.00000	67839.00000	134.9990000
RelInt Mean	0.0002510	-0.0000104	0.0000662	---	---	---	0.0009382
RelInt RSD	6.3544123	574.2647341	10.5370557	---	---	---	12.7507672
RelInt SD	0.0000160	0.0000598	0.0000070	---	---	---	0.0001196
Conc Mean	0.0021970[mg/l]	<0.0001743[mg/l]	<-0.0034398[mg/l]	1524340	25517500	19174600	<0.0012285[mg/l]
Conc RSD	6.3016168	2112.680987	32.0231758	---	---	---	32.4949736
Conc SD	0.0001384[mg/l]	0.0036814[mg/l]	0.0011015[mg/l]	11405.00000	95787.10000	68244.00000	0.0003992[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	32187.90000	31060.80000	15762.60000	11068.40000	11817.30000	13528.70000	
Int RSD	1.5118134	2.1482576	0.3725775	0.6970601	0.4348641	0.4390607	
Int SD	486.6210000	667.2660000	58.7279000	77.1534000	51.3892000	59.3992000	
RelInt Mean	-0.0008051	0.0001481	0.0011814	0.0002699	-0.0004861	0.0003786	
RelInt RSD	3.7112709	6.3781539	4.2158147	7.6416062	14.4891556	14.1228218	
RelInt SD	0.0000299	0.0000094	0.0000498	0.0000206	0.0000704	0.0000535	
Conc Mean	<-0.0000766[mg/l]	0.0002954[mg/l]	0.0052430[mg/l]	<0.0012861[mg/l]	<-0.0017734[mg/l]	0.0450559[mg/l]	
Conc RSD	95.9100832	7.5965439	13.8426737	42.8782259	12.9396872	9.6252655	
Conc SD	0.0000735[mg/l]	0.0000224[mg/l]	0.0007258[mg/l]	0.0005514[mg/l]	0.0002295[mg/l]	0.0043368[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	Run Name: S21126	IDF: 1.0
Seqnum: 484267005016	File: met06_master011	Time: 03-JUL-2024 12:26
Cal: 484267005001	Caldate: 03-JUL-2024	

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.060	mg/l	6	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	25880700	-5.72
Yttrium	A	1649040	1546390	-6.22
Yttrium	R	20233300	19044700	-5.87

Sample Name: S21126					Sample Type: Unknown Sample		
Measure Date: 2024-07-03 12:26:58			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	789478	104512000	13111.60000	17257.80000	316314	134911000	161358
Int RSD	1.2968949	0.4683644	0.2935103	1.2827359	1.2228482	0.0357971	1.1193061
Int SD	10238.70000	489497	38.4839000	221.3720000	3868.040000	48294.20000	1806.090000
RelInt Mean	0.0281185	5.4748300	0.0000050	0.0026137	0.1986640	7.1018900	0.0977284
RelInt RSD	1.8896243	0.1994984	1196.558659	2.0128360	0.6555038	0.6740107	0.7410589
RelInt SD	0.0005313	0.0109222	0.0000602	0.0000526	0.0013023	0.0478675	0.0007242
Conc Mean	1.0041300[mg/l]	>367.8680000[mg/l]	<0.0042631[mg/l]	0.0152549[mg/l]	0.5284990[mg/l]	>257.5330000[mg/l]	0.5013600[mg/l]
Conc RSD	1.8919463	0.1994107	70.8312124	3.8025552	0.6549700	0.6743175	0.7410902
Conc SD	0.0189976[mg/l]	0.7335680[mg/l]	0.0030196[mg/l]	0.0005801[mg/l]	0.0034615[mg/l]	1.7365900[mg/l]	0.0037155[mg/l]
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	137973	487402	66473300	9650.920000	24501000	1286790	19882.20000
Int RSD	0.5557819	1.1681589	0.4269082	6.5506294	0.5748745	0.8068838	1.1244480
Int SD	766.8290000	5693.630000	283780	632.1960000	140850	10382.90000	223.5650000
RelInt Mean	0.0816802	0.0165857	43.3734000	0.0000825	1.2843300	0.8280910	-0.0003623
RelInt RSD	0.2031104	1.7894512	0.8461592	10.3296453	0.0770843	0.1763429	58.1889496
RelInt SD	0.0001659	0.0002968	0.3670080	0.0000085	0.0009900	0.0014603	0.0002108
Conc Mean	0.4935840[mg/l]	0.5224360[mg/l]	>145.8580000[mg/l]	0.0119419[mg/l]	>392.0520000[mg/l]	0.5240260[mg/l]	<-0.0028964[mg/l]
Conc RSD	0.2031670	1.8014666	0.8462066	16.5343036	0.0769038	0.1763846	53.1810068
Conc SD	0.0010028[mg/l]	0.0094115[mg/l]	1.2342600[mg/l]	0.0019745[mg/l]	0.3015030[mg/l]	0.0009243[mg/l]	0.0015403[mg/l]
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	98600.00000	216734	77659.90000	23228.50000	15493.70000	12961.50000	503733
Int RSD	0.3589148	1.1000904	0.3669500	0.3034139	0.8775244	1.8482583	0.2901736
Int SD	353.8900000	2384.270000	284.9730000	70.4785000	135.9610000	239.5620000	1461.700000
RelInt Mean	0.0031852	0.1333420	0.0365448	0.0000560	-0.0002240	-0.0000545	0.0240090
RelInt RSD	1.5932789	0.6476579	0.4319383	255.4319980	37.5160950	254.0932597	0.4625057
RelInt SD	0.0000507	0.0008636	0.0001579	0.0001431	0.0000840	0.0001384	0.0001110
Conc Mean	0.1110430[mg/l]	1.0188900[mg/l]	1.0603000[mg/l]	<0.0012934[mg/l]	<-0.0144174[mg/l]	<-0.0022120[mg/l]	0.0234888[mg/l]
Conc RSD	1.5932657	0.6484704	0.4544091	501.7411339	37.8050134	116.7411855	0.4695259
Conc SD	0.0017692[mg/l]	0.0066072[mg/l]	0.0048181[mg/l]	0.0064896[mg/l]	0.0054505[mg/l]	0.0025823[mg/l]	0.0001103[mg/l]
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	79407.20000	13553.30000	100234	1546390	25880700	19044700	511694
Int RSD	0.7367518	0.4552198	1.4557735	0.7647165	0.7685534	0.6490100	0.3700786
Int SD	585.0340000	61.6973000	1459.180000	11825.50000	198907	123602	1893.670000
RelInt Mean	0.0002901	0.0000675	0.0031446	---	---	---	0.3195590
RelInt RSD	8.6865654	23.3297517	1.9262007	---	---	---	0.4157041
RelInt SD	0.0000252	0.0000157	0.0000606	---	---	---	0.0013284
Conc Mean	0.0025361[mg/l]	0.0049660[mg/l]	0.4826580[mg/l]	1532150	25769300	18971300	1.0638900[mg/l]
Conc RSD	8.6238876	19.5170943	1.9817179	---	---	---	0.4162319
Conc SD	0.0002187[mg/l]	0.0009692[mg/l]	0.0095649[mg/l]	11913.60000	198562	123673	0.0044282[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	3860860	30843.80000	15714.00000	11476.90000	503516	13363.10000	
Int RSD	0.4912584	3.5909972	1.3229795	0.9295716	1.4178318	0.2312233	
Int SD	18966.80000	1107.600000	207.8930000	106.6860000	7139.010000	30.8986000	
RelInt Mean	0.2006000	0.0001590	0.0012043	0.0005072	0.3198670	0.0002689	
RelInt RSD	1.0145115	6.6371609	2.6041651	3.7508528	0.7409267	1.9861966	
RelInt SD	0.0020351	0.0000105	0.0000314	0.0000190	0.0023700	0.0000053	
Conc Mean	0.4950900[mg/l]	0.0003211[mg/l]	0.0055886[mg/l]	0.0076291[mg/l]	1.0484800[mg/l]	0.0361571[mg/l]	
Conc RSD	1.0107011	7.8030718	8.8956925	6.6664875	0.7421229	1.1980773	
Conc SD	0.0050039[mg/l]	0.0000251[mg/l]	0.0004971[mg/l]	0.0005086[mg/l]	0.0077810[mg/l]	0.0004332[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484267005021	File: met06_master011
Cal: 484267005001	Time: 03-JUL-2024 12:47
Caldate: 03-JUL-2024	

Standards: S21056, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0339	1.000	1.081	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	28537300	3.95
Yttrium	A	1649040	1733420	5.12
Yttrium	R	20233300	21619100	6.85

Sample Name: CCV,S21056					Sample Type: Control Sample		
Measure Date: 2024-07-03 12:47:52			Recalculation Date:		State: Check failed		Quality: Failed
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	430919	431337	39628.00000	167038	671893	29178300	362792
Int RSD	1.7705694	0.1804867	0.5501060	0.2868359	0.2479502	0.7873351	0.1549185
Int SD	7629.720000	778.5060000	217.9960000	479.1250000	1665.960000	229731	562.0320000
RelInt Mean	0.0129775	0.0139721	0.0203567	0.0913452	0.3844590	1.3510800	0.2050850
RelInt RSD	2.4968831	0.6176480	0.5253160	0.5581957	0.4948096	0.6230912	0.4307243
RelInt SD	0.0003240	0.0000863	0.0001069	0.0005099	0.0019023	0.0084185	0.0008834
Conc Mean	0.4627800[mg/l]	0.9369260[mg/l]	1.0245600[mg/l]	0.9936470[mg/l]	1.0193800[mg/l]	48.9172000[mg/l]	1.0504000[mg/l]
Conc RSD	2.5035006	0.6190553	0.5236482	0.5656898	0.4950892	0.6243673	0.4284568
Conc SD	0.0115857[mg/l]	0.0058001[mg/l]	0.0053651[mg/l]	0.0056210[mg/l]	0.0050468[mg/l]	0.3054230[mg/l]	0.0045005[mg/l]
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	291228	936142	555079	4972790	3522100	2787300	242329
Int RSD	0.4470106	1.2095387	0.4027679	0.6896048	0.5953920	0.5918487	0.3789943
Int SD	1301.820000	11323.00000	2235.680000	34292.60000	20970.30000	16496.60000	918.4130000
RelInt Mean	0.1633630	0.0308504	0.3152450	0.2291370	0.1607810	1.6119700	0.1373230
RelInt RSD	0.4542369	2.0176529	0.4485971	1.3590952	0.4211549	0.2172522	0.5035595
RelInt SD	0.0007421	0.0006225	0.0014142	0.0031142	0.0006771	0.0035020	0.0006915
Conc Mean	0.9872270[mg/l]	0.9748080[mg/l]	1.0555700[mg/l]	53.0760000[mg/l]	48.9114000[mg/l]	1.0203300[mg/l]	1.0031300[mg/l]
Conc RSD	0.4542805	2.0250552	0.4506930	1.3591680	0.4231161	0.2171268	0.5034253
Conc SD	0.0044848[mg/l]	0.0197404[mg/l]	0.0047574[mg/l]	0.7213920[mg/l]	0.2069520[mg/l]	0.0022154[mg/l]	0.0050500[mg/l]
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	29102700	244147	68029.90000	44637.10000	32125.20000	468890	24237900
Int RSD	0.2286915	0.3824135	0.3375281	0.9688465	0.2113724	0.0428326	0.3169528
Int SD	66555.40000	933.6510000	229.6200000	432.4650000	67.9038000	200.8380000	76822.70000
RelInt Mean	1.3416300	0.1358270	0.0338540	0.0221902	0.0158462	0.2697740	1.1220900
RelInt RSD	1.1175436	0.5629993	0.2427424	1.4530649	0.2972662	0.3304258	0.8420358
RelInt SD	0.0149933	0.0007647	0.0000822	0.0003224	0.0000471	0.0008914	0.0094484
Conc Mean	46.7726000[mg/l]	1.0378800[mg/l]	1.0808100[mg/l]	1.0022900[mg/l]	1.0279700[mg/l]	5.0317700[mg/l]	1.1141300[mg/l]
Conc RSD	1.1174427	0.5633532	0.2421961	1.4595975	0.2977237	0.3306073	0.8425704
Conc SD	0.5226570[mg/l]	0.0058469[mg/l]	0.0026177[mg/l]	0.0146294[mg/l]	0.0030605[mg/l]	0.0166354[mg/l]	0.0093873[mg/l]
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3363680	33841.00000	193062	1733420	28537300	21619100	575236
Int RSD	1.2802407	0.3000709	1.9217194	0.3719329	1.0218206	0.8964434	0.0458415
Int SD	43063.20000	101.5470000	3710.110000	6447.160000	291600	193803	263.6970000
RelInt Mean	0.1157040	0.0169879	0.0062381	---	---	---	0.3304570
RelInt RSD	2.0222291	0.6777236	2.8654306	---	---	---	0.4159876
RelInt SD	0.0023398	0.0001151	0.0001787	---	---	---	0.0013747
Conc Mean	1.0042500[mg/l]	1.0407000[mg/l]	0.9707470[mg/l]	1721650	28443000	21561600	1.0999900[mg/l]
Conc RSD	2.0219567	0.6760834	2.9073075	---	---	---	0.4165029
Conc SD	0.0203055[mg/l]	0.0070360[mg/l]	0.0282226[mg/l]	6464.090000	291437	193166	0.0045815[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8560080	9661680	652630	343169	536418	121094	
Int RSD	0.6238622	0.4770061	0.4736068	0.1992083	0.3064345	0.1251012	
Int SD	53403.10000	46086.80000	3090.900000	683.6210000	1643.770000	151.4900000	
RelInt Mean	0.3942890	0.4427820	0.3727490	0.1963150	0.3056810	0.0669331	
RelInt RSD	0.4622878	1.3730820	0.5591940	0.4719018	0.4823656	0.3436730	
RelInt SD	0.0018227	0.0060798	0.0020844	0.0009264	0.0014745	0.0002300	
Conc Mean	0.9712850[mg/l]	1.0516000[mg/l]	5.4995900[mg/l]	5.2425100[mg/l]	0.9982580[mg/l]	5.4425200[mg/l]	
Conc RSD	0.4614197	1.3732788	0.5608600	0.4726534	0.4855649	0.3428485	
Conc SD	0.0044817[mg/l]	0.0144414[mg/l]	0.0308450[mg/l]	0.0247789[mg/l]	0.0048472[mg/l]	0.0186596[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484267005022	File: met06_master011
Cal: 484267005001	Time: 03-JUL-2024 12:51
Caldate: 03-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	30255000	10.21
Yttrium	A	1649040	1828270	10.87
Yttrium	R	20233300	23103800	14.19

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2024-07-03 12:51:09			Recalculation Date:		State: Checked		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	61952.70000	37789.40000	4107.500000	12606.40000	9724.700000	88281.20000	9003.520000
Int RSD	0.5727838	1.8318603	0.8626829	0.4396862	0.5659424	0.8916995	0.9111236
Int SD	354.8550000	692.2490000	35.4347000	55.4286000	55.0362000	787.2030000	82.0332000
RelInt Mean	0.0000389	0.0000353	-0.0000539	0.0018253	0.0001639	0.0027491	0.0000080
RelInt RSD	23.2218385	31.0087060	35.8828317	1.1132368	12.7384315	0.9946056	401.2989434
RelInt SD	0.0000090	0.0000110	0.0000194	0.0000203	0.0000209	0.0000273	0.0000323
Conc Mean	<0.0001767[mg/l]	<0.0004743[mg/l]	<0.0017414[mg/l]	0.0065611[mg/l]	<0.0000905[mg/l]	0.0051791[mg/l]	<0.0000366[mg/l]
Conc RSD	182.9764963	155.2692226	55.7474948	3.4149661	62.6167822	19.1502561	453.5423640
Conc SD	0.0003234[mg/l]	0.0007364[mg/l]	0.0009708[mg/l]	0.0002241[mg/l]	0.0000567[mg/l]	0.0009918[mg/l]	0.0001659[mg/l]
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9228.030000	58255.20000	14039.70000	8704.100000	56172.20000	11727.20000	6033.650000
Int RSD	0.1534065	0.6916361	0.5720656	2.9355246	1.3680094	0.5962958	1.4913908
Int SD	14.1564000	402.9140000	80.3163000	255.5110000	768.4410000	69.9288000	89.9853000
RelInt Mean	0.0000322	0.0001087	0.0013281	0.0000405	0.0005999	0.0003479	0.0003132
RelInt RSD	49.3539691	9.6725443	6.4996574	11.3970693	2.5891890	16.1413704	20.3609307
RelInt SD	0.0000159	0.0000105	0.0000863	0.0000046	0.0000155	0.0000562	0.0000638
Conc Mean	<0.0001517[mg/l]	<0.0000945[mg/l]	<0.0001205[mg/l]	<0.0022182[mg/l]	<0.0092001[mg/l]	<0.0000422[mg/l]	0.0020393[mg/l]
Conc RSD	63.4005275	352.9714975	240.8688510	48.2504147	51.5612874	84.2546365	22.8499345
Conc SD	0.0000961[mg/l]	0.0003335[mg/l]	0.0002903[mg/l]	0.0010703[mg/l]	0.0047437[mg/l]	0.0000356[mg/l]	0.0004660[mg/l]
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	33544.70000	9804.080000	9142.890000	6061.350000	4601.790000	4306.270000	40772.90000
Int RSD	1.2383148	0.3559661	0.6017474	0.2204162	0.6212669	1.1387651	1.0902315
Int SD	415.3890000	34.8992000	55.0171000	13.3602000	28.5894000	49.0383000	444.5190000
RelInt Mean	0.0001786	0.0000799	-0.0001065	-0.0000174	0.0000045	0.0001277	0.0002803
RelInt RSD	5.2458712	50.6328116	16.2089037	135.1199609	172.2129384	16.9790900	1.2605872
RelInt SD	0.0000094	0.0000405	0.0000173	0.0000235	0.0000078	0.0000217	0.0000035
Conc Mean	0.0062272[mg/l]	<0.0001134[mg/l]	<0.0008695[mg/l]	<0.0008581[mg/l]	<0.0004057[mg/l]	<0.0011865[mg/l]	<0.0000791[mg/l]
Conc RSD	5.2458324	272.8697079	63.2491018	124.2064269	125.0455340	34.0891009	4.4365111
Conc SD	0.0003267[mg/l]	0.0003093[mg/l]	0.0005500[mg/l]	0.0010659[mg/l]	0.0005074[mg/l]	0.0004045[mg/l]	0.0000035[mg/l]
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	68676.80000	4109.880000	17031.00000	1828270	30255000	23103800	6462.900000
Int RSD	1.0119837	0.4242314	0.5938172	0.2387902	0.8829681	0.4184095	1.0338873
Int SD	694.9980000	17.4354000	101.1330000	4365.730000	267142	96668.50000	66.8191000
RelInt Mean	0.0000938	-0.0000328	0.0000759	---	---	---	0.0003707
RelInt RSD	17.2822350	59.9036806	6.4070381	---	---	---	8.5737332
RelInt SD	0.0000162	0.0000197	0.0000049	---	---	---	0.0000318
Conc Mean	0.0008327[mg/l]	<0.0012121[mg/l]	<0.0019069[mg/l]	1816690	30161600	23047000	<0.0006666[mg/l]
Conc RSD	16.9035498	99.6435967	40.2828076	---	---	---	15.9062885
Conc SD	0.0001408[mg/l]	0.0012078[mg/l]	0.0007682[mg/l]	4403.010000	266822	96811.00000	0.0001060[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	25566.30000	25496.40000	15827.30000	4785.610000	9137.700000	5530.400000	
Int RSD	1.1857562	1.2765920	0.3098305	2.9328759	0.4278079	0.6823195	
Int SD	303.1540000	325.4850000	49.0378000	140.3560000	39.0918000	37.7350000	
RelInt Mean	-0.0007114	0.0000182	0.0033277	0.0001308	0.0000842	0.0000692	
RelInt RSD	4.1955503	6.9903527	1.7824868	56.4722209	21.0509691	46.6025786	
RelInt SD	0.0000298	0.0000013	0.0000593	0.0000739	0.0000177	0.0000323	
Conc Mean	<0.0001537[mg/l]	<0.0000133[mg/l]	0.0370051[mg/l]	<0.0024338[mg/l]	<0.0001069[mg/l]	0.0199608[mg/l]	
Conc RSD	47.7491980	22.6965954	2.3929945	81.1293543	56.5744585	13.1036331	
Conc SD	0.0000734[mg/l]	0.0000030[mg/l]	0.0008855[mg/l]	0.0019745[mg/l]	0.0000605[mg/l]	0.0026156[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484267005033	File: met06_master011
Cal: 484267005001	Time: 03-JUL-2024 14:24
Caldate: 03-JUL-2024	

Standards: S21056, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0340	1.000	1.087	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	31198400	13.65
Yttrium	A	1649040	1886130	14.38
Yttrium	R	20233300	23519500	16.24

Sample Name: CCV,S21056 Sample Type: Control Sample

Measure Date: 2024-07-03 14:24:02 Recalculation Date: State: Check failed Quality: Failed

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	468725	455630	42520.40000	178049	724218	31048300	392532
Int RSD	1.2122567	0.5197968	0.3629834	0.3396166	0.1721650	0.2172982	0.2570236
Int SD	5682.150000	2368.350000	154.3420000	604.6840000	1246.850000	67467.40000	1008.900000
RelInt Mean	0.0129825	0.0137200	0.0200988	0.0894864	0.3808690	1.3213800	0.2039970
RelInt RSD	1.2159676	0.4793659	1.0697504	0.6141917	0.6753818	0.6686381	0.5709888
RelInt SD	0.0001579	0.0000658	0.0002150	0.0005496	0.0025723	0.0088353	0.0011648
Conc Mean	0.4629590[mg/l]	0.9199880[mg/l]	1.0116300[mg/l]	0.9731530[mg/l]	1.0098200[mg/l]	47.8398000[mg/l]	1.0448100[mg/l]
Conc RSD	1.2194708	0.4803193	1.0658541	0.6227037	0.6752669	0.6698586	0.5696873
Conc SD	0.0056456[mg/l]	0.0044189[mg/l]	0.0107825[mg/l]	0.0060599[mg/l]	0.0068190[mg/l]	0.3204590[mg/l]	0.0059521[mg/l]

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	313542	1021010	599277	5202560	3805570	2994290	264149
Int RSD	0.1892550	1.6068599	0.1754931	0.4753006	0.6099875	0.9847877	0.5694892
Int SD	593.3940000	16406.20000	1051.690000	24727.80000	23213.50000	29487.40000	1504.300000
RelInt Mean	0.1617170	0.0308499	0.3128750	0.2203350	0.1597430	1.5913100	0.1376750
RelInt RSD	0.5818430	1.5627668	0.6918674	0.9892754	0.6718792	0.2889544	0.8529798
RelInt SD	0.0009409	0.0004821	0.0021647	0.0021797	0.0010733	0.0045982	0.0011743
Conc Mean	0.9772820[mg/l]	0.9747930[mg/l]	1.0475900[mg/l]	51.0369000[mg/l]	48.5945000[mg/l]	1.0072500[mg/l]	1.0057000[mg/l]
Conc RSD	0.5817840	1.5684971	0.6952338	0.9894037	0.6745352	0.2893304	0.8535488
Conc SD	0.0056857[mg/l]	0.0152896[mg/l]	0.0072832[mg/l]	0.5049610[mg/l]	0.3277870[mg/l]	0.0029143[mg/l]	0.0085841[mg/l]

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	30524600	265429	74233.50000	47754.10000	34679.10000	511710	26130000
Int RSD	0.0838914	0.1898994	0.3042063	0.6171700	0.2797823	0.0290432	0.2709916
Int SD	25607.50000	504.0480000	225.8230000	294.7240000	97.0260000	148.6170000	70810.10000
RelInt Mean	1.2934200	0.1358140	0.0340491	0.0218246	0.0157545	0.2706180	1.1118700
RelInt RSD	0.7583213	0.5798644	0.9819702	0.3116465	0.6992605	0.8124367	1.1156700
RelInt SD	0.0098083	0.0007875	0.0003344	0.0000680	0.0001102	0.0021986	0.0124048
Conc Mean	45.0917000[mg/l]	1.0377900[mg/l]	1.0870400[mg/l]	0.9857710[mg/l]	1.0220200[mg/l]	5.0475300[mg/l]	1.1039700[mg/l]
Conc RSD	0.7582482	0.5802686	0.9797984	0.3113543	0.6992769	0.8126113	1.1163347
Conc SD	0.3419070[mg/l]	0.0060220[mg/l]	0.0106508[mg/l]	0.0030692[mg/l]	0.0071468[mg/l]	0.0410168[mg/l]	0.0123240[mg/l]

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3699050	35626.60000	211723	1886130	31198400	23519500	631849
Int RSD	1.6896798	0.3274042	1.2072850	0.7795592	0.1660893	0.8437127	0.0886299
Int SD	62502.10000	116.6430000	2556.100000	14703.50000	51817.20000	198437	560.0070000
RelInt Mean	0.1164650	0.0164062	0.0062738	---	---	---	0.3336780
RelInt RSD	1.5716739	0.3591990	1.2473055	---	---	---	0.7111407
RelInt SD	0.0018305	0.0000589	0.0000783	---	---	---	0.0023729
Conc Mean	1.0108500[mg/l]	1.0048900[mg/l]	0.9763830[mg/l]	1873580	31099900	23459700	1.1107500[mg/l]
Conc RSD	1.5718059	0.3548727	1.2652207	---	---	---	0.7124519
Conc SD	0.0158886[mg/l]	0.0035661[mg/l]	0.0123534[mg/l]	14731.10000	52194.00000	198274	0.0079136[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9212270	10146200	706231	370508	578554	132713	
Int RSD	0.3074704	0.4620370	0.2466261	0.1414517	0.3843582	0.2518171	
Int SD	28325.00000	46879.20000	1741.750000	524.0900000	2223.720000	334.1940000	
RelInt Mean	0.3901040	0.4273710	0.3706850	0.1948470	0.3030300	0.0675661	
RelInt RSD	0.6857505	1.2526517	0.7426980	0.9279229	0.5864040	0.9467336	
RelInt SD	0.0026751	0.0053535	0.0027531	0.0018080	0.0017770	0.0006397	
Conc Mean	0.9609940[mg/l]	1.0150000[mg/l]	5.4688900[mg/l]	5.2032600[mg/l]	0.9896110[mg/l]	5.4938500[mg/l]	
Conc RSD	0.6844340	1.2528867	0.7442808	0.9288215	0.5857362	0.9442249	
Conc SD	0.0065774[mg/l]	0.0127168[mg/l]	0.0407039[mg/l]	0.0483290[mg/l]	0.0057965[mg/l]	0.0518743[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 511383 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484267005034	File: met06_master011
Cal: 484267005001	Time: 03-JUL-2024 14:27
Caldate: 03-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	27451800	32388200	17.98
Yttrium	A	1649040	1955260	18.57
Yttrium	R	20233300	24861100	22.87

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2024-07-03 14:27:18			Recalculation Date:		State: Checked		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	64270.90000	39003.90000	4274.850000	12214.80000	10042.40000	97951.30000	9363.030000
Int RSD	0.8943534	2.3842539	0.5602980	0.2500516	0.1353899	0.8643867	0.1316871
Int SD	574.8090000	929.9520000	23.9519000	30.5433000	13.5964000	846.6780000	12.3299000
RelInt Mean	0.0000314	0.0000404	-0.0000740	0.0013022	0.0001205	0.0029114	-0.0000136
RelInt RSD	17.7650804	38.8729508	28.6724324	2.2598292	11.5340966	1.1190127	174.2154393
RelInt SD	0.0000056	0.0000157	0.0000212	0.0000294	0.0000139	0.0000326	0.0000237
Conc Mean	<-0.0000917[mg/l]	<0.0008140[mg/l]	<0.0007351[mg/l]	<0.0007937[mg/l]	<-0.0000257[mg/l]	0.0110647[mg/l]	<-0.0000800[mg/l]
Conc RSD	217.7689767	129.6348622	144.7505710	40.8856631	148.1230141	10.6811753	161.7214635
Conc SD	0.0001997[mg/l]	0.0010552[mg/l]	0.0010641[mg/l]	0.0003245[mg/l]	0.0000381[mg/l]	0.0011818[mg/l]	0.0001293[mg/l]
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9594.120000	60469.80000	14329.00000	8905.410000	57643.60000	11940.30000	6397.830000
Int RSD	0.2309654	0.7957377	1.6734664	3.7533589	1.4307954	0.2983108	2.6725780
Int SD	22.1591000	481.1810000	239.7910000	334.2520000	824.7620000	35.6192000	170.9870000
RelInt Mean	0.0000226	0.0001046	0.0011013	0.0000381	0.0005659	0.0001721	0.0003437
RelInt RSD	91.0123721	6.8696367	11.9662947	12.9503448	1.0479051	21.2112390	22.3359270
RelInt SD	0.0000206	0.0000072	0.0001318	0.0000049	0.0000059	0.0000365	0.0000768
Conc Mean	<0.0000937[mg/l]	<-0.0002236[mg/l]	<-0.0008834[mg/l]	<0.0016487[mg/l]	<-0.0195888[mg/l]	<-0.0001535[mg/l]	0.0022617[mg/l]
Conc RSD	132.9322288	101.9715714	50.1716758	69.2921696	9.2453851	15.0507024	24.7980298
Conc SD	0.0001246[mg/l]	0.0002280[mg/l]	0.0004432[mg/l]	0.0011424[mg/l]	0.0018111[mg/l]	0.0000231[mg/l]	0.0005609[mg/l]
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	33934.60000	10219.30000	9520.620000	6380.830000	4817.960000	4489.490000	41756.30000
Int RSD	2.1545473	0.3573063	0.4375545	0.3174900	1.2919950	1.6224560	1.4055771
Int SD	731.1370000	36.5142000	41.6579000	20.2585000	62.2478000	72.8400000	586.9170000
RelInt Mean	0.0001528	0.0000833	-0.0001091	0.0000162	0.0000099	0.0001150	0.0002596
RelInt RSD	8.6082343	18.5865528	11.8545141	63.7740571	354.8130662	32.1534944	0.9399741
RelInt SD	0.0000132	0.0000155	0.0000129	0.0000103	0.0000352	0.0000370	0.0000024
Conc Mean	0.0053287[mg/l]	<-0.0000873[mg/l]	<-0.0009508[mg/l]	0.0023835[mg/l]	<0.0007549[mg/l]	<0.0009503[mg/l]	<-0.0000996[mg/l]
Conc RSD	8.6083207	135.5326160	43.3482290	19.6555023	302.5842576	72.6113430	2.4341627
Conc SD	0.0004587[mg/l]	0.0001184[mg/l]	0.0004122[mg/l]	0.0004685[mg/l]	0.0022843[mg/l]	0.0006900[mg/l]	0.0000024[mg/l]
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	83032.50000	4317.130000	17771.20000	1955260	32388200	24861100	6863.330000
Int RSD	22.6512510	0.1515057	1.2575628	0.3548705	0.2997437	0.6876003	0.7418673
Int SD	18807.90000	6.5407000	223.4840000	6938.640000	97081.60000	170945	50.9168000
RelInt Mean	0.0004559	-0.0000366	0.0000751	---	---	---	0.0004287
RelInt RSD	131.2232557	22.7572103	6.6508263	---	---	---	5.4232576
RelInt SD	0.0005983	0.0000083	0.0000050	---	---	---	0.0000233
Conc Mean	0.0039755[mg/l]	<-0.0014540[mg/l]	<-0.0020384[mg/l]	1943230	32291500	24802800	<-0.0004729[mg/l]
Conc RSD	130.6208024	34.3894689	38.6863652	---	---	---	16.4076192
Conc SD	0.0051928[mg/l]	0.0005000[mg/l]	0.0007886[mg/l]	6926.250000	96629.00000	170179	0.0000776[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	26252.40000	26039.80000	17449.70000	5075.780000	9540.800000	5482.830000	
Int RSD	1.3682673	1.3894078	6.6547849	0.2967307	0.1451765	0.7961199	
Int SD	359.2030000	361.7990000	1161.240000	15.0614000	13.8510000	43.6499000	
RelInt Mean	-0.0006925	0.0000120	0.0037272	0.0001885	0.0000917	-0.0000722	
RelInt RSD	2.9453287	37.9422074	16.0404163	11.2441387	23.2999823	37.1952605	
RelInt SD	0.0000204	0.0000046	0.0005979	0.0000212	0.0000214	0.0000268	
Conc Mean	<0.0002003[mg/l]	<-0.0000278[mg/l]	0.0429325[mg/l]	<-0.0008901[mg/l]	<0.0001352[mg/l]	<0.0084949[mg/l]	
Conc RSD	25.0367741	38.9956547	20.6794154	63.6736955	49.4145180	25.6293806	
Conc SD	0.0000501[mg/l]	0.0000108[mg/l]	0.0088782[mg/l]	0.0005667[mg/l]	0.0000668[mg/l]	0.0021772[mg/l]	



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 511603
Report Level : IV
Report Date : 07/10/2024

PCBs

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 511603
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/08/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.5GE-PS-21-240708-P-G	511603-001	07/08/24 13:05	Wipe
ARCH-SGE-DG-6 TO 16-240708-P-LA	511603-002	07/08/24 13:15	Wipe
DOOR-S-15.3GE-DG-6 TO 20-240708-P-LA	511603-003	07/08/24 13:20	Wipe
DOOR-S-15.1GE-EXT-5 TO 6-240708-P-CB	511603-004	07/08/24 13:25	Wipe
DOOR-S-15.2GE-PS-19-240708-P-G	511603-005	07/08/24 13:30	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 511603
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 07/08/24

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 07/09/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

511603

Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
COC ID:		Standard:	3 Day:
Page: 1 of 1		1 Day:	5 Day:
Matrix: A = Air S = Soil/Solid		2 Day:	1 Day:
W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water		1 Day:	1 Day:
SW = Swab T = Tissue WP = Wipe O = Other		1 Day:	1 Day:
Report: Level IV		1 Day:	1 Day:
Sample Receipt Temp:		1 Day:	1 Day:
(lab use only)		1 Day:	1 Day:
ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Standard: 1 1 Day: X 5 Day:	
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: M. Kim Global ID: Sampled By:	
ANALYSIS REQUEST PCBs - EPA Method 3546/8082		Test Instructions / Comments Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 8 Enclosure A for Resampling (Low Occupancy)	
Sample ID	Sampling Date	Sampling Time	Matrix
1 DOOR-S-15.50B-PS-21-240708-P-G	7/8/2024	1305	WP
2 ARCH-SGB-DG-6 TO 16-240708-P-LA	7/8/2024	1315	WP
3 DOOR-S-15.30B-DG-6 TO 20-240708-P-LA	7/8/2024	1320	WP
4 DOOR-S-15.1GB-EXT-5 TO 6-240708-P-CB	7/8/2024	1325	WP
5 DOOR-S-15.2GB-PS-19-240708-P-G	7/8/2024	1330	WP
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
Signature	Print Name	Company / Title	Date / Time
[Signature]	Michaela Kim	Rincon ENV Scientist	7/8/24 @ 1455
[Signature]	Audrey Hudson	ENTHALPY	7/8/24 @ 1455
[Signature]	Tris Kelly	"	7/8/24 16:21
[Signature]	Tris Kelly	"	7/8/24 16:21
[Signature]	Tris Kelly	"	7/8/24 16:21
[Signature]	Tris Kelly	"	7/8/24 16:21
[Signature]	Tris Kelly	"	7/8/24 16:21



ENTHALPY
ANALYTICAL

Section 1: General Info

Section 2: Shipping / Custody

Shipping Info:

Are custody seals present? ☒ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

Custody seals intact on arrival? ☐ Yes ☐ No ☒ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging

Important: Notify PM if temperature exceeds 6°C or arrive frozen

Date Opened 7/6/24 By (print) nmj (sign) [Signature]

☒ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: 16.1 #2: 16.1 #3: 16.1 #4: 16.1 #5: 16.1 #6: 16.1

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

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

Are the samples appropriately preserved? (if yes, skip the rest of section 5)

Did any samples / containers require preservation upon receipt?

Did you document your preservative check in the bench book?

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

Section 6: Explanations / Comments

Date Logged 7/8/14 By (print) me (sign) [Signature]

Date Labeled 7/7/24 By (print) M (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 Consultants

Project: Hangar 1 - NCTRA WP

Date Received: 7/9/24

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C)
(No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 1.8 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: _____ #3: _____ #4: _____

Section 4

	YES	NO	N/A
Was a COC received?	☒		
Are sample IDs present?	☒		
Are sampling dates & times present?	☒		
Is a relinquished signature present?	☒		
Are the tests required clearly indicated on the COC?	☒		
Are custody seals present?	☒		
If custody seals are present, were they intact?	☒		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			☒
Did all samples arrive intact? If no, indicate in Section 4 below.	☒		
Did all bottle labels agree with COC? (ID, dates and times)	☒		
Were the samples collected in the correct containers for the required tests?	☒		
Are the containers labeled with the correct preservatives?			☒
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			☒
Was a sufficient amount of sample submitted for the requested tests?	☒		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time: _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response: _____

Completed By: T. J. M. H. Date: 7/9/24

SOUTHWEST AIRLINES

Printed on:
08 JUL 20:07

526 OAK 1486 0613

SNA

PC# 1 OF 19 DG G LOT WT 810 LB
(367.6 KG)

OAK WN 941 09 JUL 06:10

STN FLT DATE ETD LOT 01



NFG

PC ID: 0001
PC WT: 43LB
526 14860613 0001

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 511603	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.5GE-PS-21-240708-P-G	Batch#: 344625	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/08/24	Analysis: EPA 8082
Lab ID: 511603-001	Received: 07/08/24	Analyst: MES
Matrix: Wipe	Prepared: 07/09/24	
Diln Fac: 1.000	Analyzed: 07/09/24	

511603-001 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

511603-001 Surrogate	%REC	Limits
TCMX (PCB)	82	19-121
Decachlorobiphenyl (PCB)	86	19-121

Field ID: ARCH-SGE-DG-6 TO 16-240708-P-LA	Batch#: 344625	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/08/24	Analysis: EPA 8082
Lab ID: 511603-002	Received: 07/08/24	Analyst: MES
Matrix: Wipe	Prepared: 07/09/24	
Diln Fac: 1.000	Analyzed: 07/09/24	

511603-002 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

511603-002 Surrogate	%REC	Limits
TCMX (PCB)	80	19-121
Decachlorobiphenyl (PCB)	82	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 511603	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.3GE-DG-6 TO 20-240708-P-LA	Batch#: 344625	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/08/24	Analysis: EPA 8082
Lab ID: 511603-003	Received: 07/08/24	Analyst: MES
Matrix: Wipe	Prepared: 07/09/24	
Diln Fac: 1.000	Analyzed: 07/09/24	

511603-003 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
511603-003 Surrogate		%REC	Limits
TCMX (PCB)		80	19-121
Decachlorobiphenyl (PCB)		80	19-121

Field ID: DOOR-S-15.1GE-EXT-5 TO 6-240708-P-CB	Batch#: 344625	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/08/24	Analysis: EPA 8082
Lab ID: 511603-004	Received: 07/08/24	Analyst: MES
Matrix: Wipe	Prepared: 07/09/24	
Diln Fac: 1.000	Analyzed: 07/09/24	

511603-004 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
511603-004 Surrogate		%REC	Limits
TCMX (PCB)		82	19-121
Decachlorobiphenyl (PCB)		82	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 511603	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.2GE-PS-19-240708-P-G	Batch#: 344625	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/08/24	Analysis: EPA 8082
Lab ID: 511603-005	Received: 07/08/24	Analyst: MES
Matrix: Wipe	Prepared: 07/09/24	
Diln Fac: 1.000	Analyzed: 07/09/24	

511603-005 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
511603-005 Surrogate		%REC	Limits
TCMX (PCB)		87	19-121
Decachlorobiphenyl (PCB)		90	19-121

Type: BLANK	Batch#: 344625	Analysis: EPA 8082
Lab ID: QC1167799	Prepared: 07/09/24	Analyst: MES
Matrix: Wipe	Analyzed: 07/09/24	
Diln Fac: 1.000	Prep: EPA 3546	

QC1167799 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
QC1167799 Surrogate		%REC	Limits
TCMX (PCB)		87	19-121
Decachlorobiphenyl (PCB)		87	19-121

Legend

ND: Not Detected
RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 511603

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 344625

Analysis: EPA 8082

Lab ID: QC1167800

Prepared: 07/09/24

Analyst: MES

Matrix: Wipe

Analyzed: 07/09/24

Diln Fac: 1.000

Prep: EPA 3546

QC1167800 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.581	92	60-140	ug/100 cm2
Aroclor-1260	5.000	4.625	93	60-140	ug/100 cm2

QC1167800 Surrogate	%REC	Limits
TCMX (PCB)	87	19-121
Decachlorobiphenyl (PCB)	89	19-121

Type: BSD

Batch#: 344625

Analysis: EPA 8082

Lab ID: QC1167801

Prepared: 07/09/24

Analyst: MES

Matrix: Wipe

Analyzed: 07/09/24

Diln Fac: 1.000

Prep: EPA 3546

QC1167801 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.400	88	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.367	87	60-140	ug/100 cm2	6	20

QC1167801 Surrogate	%REC	Limits
TCMX (PCB)	84	19-121
Decachlorobiphenyl (PCB)	83	19-121

Legend

RPD: Relative Percent
 Difference

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r ²	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = $a0 + (amount \times a1) + (amount^2 \times a2)$ (invert equation before quantitating)

Where the X-Axis holds the (R)esponse: Instrument amount = $a0 + (response \times a1) + (response^2 \times a2)$

AVRG: Average response factor

QUAD: Quadratic regression

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	10.000	16	20.000	36	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	-21	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	38	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	22	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	24	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	21	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	-21
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	-21		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 511603 PCBS Wipe
EPA 8082

Inst: SVOA-GC07	Name: PCB_ICAL_062824
Calnum: 464259633001	Cal Date: 28-JUN-2024

• ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

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Analyst: KLR 06/28/24 **Reviewer:** MTS 07/01/24

ENTHALPY CONTINUING CALIBRATION FOR 511603 PCBS Wipe
EPA 8082

Inst: SVOA-GC07	IDF: 1.0
Seqnum: 464275615029	File: gc07_070924029
Cal: 464259633001	Time: 09-JUL-2024 17:56
Caldate: 28-JUN-2024	

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	494.8	ug/L	-1	15	0.0000	
Aroclor-1260	A			500.0	490.2	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	0.9895	40.00	35.89	pg/uL	-10	15	0.0000	
TCMX (PCB)	A	0.9369	0.8600	40.00	36.72	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	494.1	ug/L	-1	15	0.0000	
Aroclor-1260	B			500.0	461.1	ug/L	-8	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	0.9722	40.00	35.59	pg/uL	-11	15	0.0000	
TCMX (PCB)	B	0.9593	0.9091	40.00	37.91	pg/uL	-5	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	7213121	-10.29
1-bromo-2-nitrobenzene (PCB)	A	28707643	26536532	-7.56

07/09/24 : 500 PPB PCB CCV

Analyst: MES 07/10/24

Reviewer: MTS 07/10/24

Date: 07/09/24 Sequence: SVOA-GC07 gc07_070924			Reference: gc07_062824021 Analyzed: 06/28/24 13:21	
#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8040733	28707643
		LOWER LIMIT	4020367	14353822
		UPPER LIMIT	16081466	57415286
005	CCV		7543701	27494710
029	CCV		7213121	26536532

Date: 07/09/24
Sequence: SVOA-GC07 gc07_070924

Reference: gc07_070924029
Analyzed: 07/09/24 17:56

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV	7213121	26536532
		STD		
		LOWER LIMIT	3606561	13268266
		UPPER LIMIT	14426243	53073064
034	BLANK	QC1167799	7137985	25290879
035	BS	QC1167800	6121454	22455733
036	BSD	QC1167801	7624155	27264416
037	SAMPLE	511602-001	7429568	25577987
038	SAMPLE	511602-002	6650470	23013627
039	SAMPLE	511602-003	7337413	27030968
040	SAMPLE	511602-004	7922986	31457530
041	SAMPLE	511602-005	7990191	30374458
042	SAMPLE	511602-006	6215415	23139194
043	SAMPLE	511602-007	6706170	23706691
044	SAMPLE	511603-001	8137108	27637290
045	SAMPLE	511603-002	7877293	26866553
046	SAMPLE	511603-003	7783583	21516045
047	SAMPLE	511603-004	8576328	28666456
048	SAMPLE	511603-005	7041868	24612007
049	SAMPLE	511640-002	7430980	20667302

Date: 07/09/24
Sequence: SVOA-GC07 gc07_070924

Reference: gc07_070924029
Analyzed: 07/09/24 17:56

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.47	4.31
		LOWER LIMIT	4.27	4.11
		UPPER LIMIT	4.67	4.51
034	BLANK	QC1167799	4.47	4.31
035	BS	QC1167800	4.47	4.31
036	BSD	QC1167801	4.47	4.31
037	SAMPLE	511602-001	4.47	4.32
038	SAMPLE	511602-002	4.47	4.31
039	SAMPLE	511602-003	4.47	4.31
040	SAMPLE	511602-004	4.47	4.31
041	SAMPLE	511602-005	4.47	4.31
042	SAMPLE	511602-006	4.47	4.31
043	SAMPLE	511602-007	4.47	4.31
044	SAMPLE	511603-001	4.47	4.31
045	SAMPLE	511603-002	4.47	4.31
046	SAMPLE	511603-003	4.47	4.31
047	SAMPLE	511603-004	4.47	4.31
048	SAMPLE	511603-005	4.47	4.31
049	SAMPLE	511640-002	4.47	4.31

Instrument: SVOA-GC07

Begun: 06/28/24 07:13

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062824002	PEM				06/28/24 07:13	1.0	1	
003	gc07_062824003	CCV				06/28/24 07:34	1.0	2	ac
004	gc07_062824004	CCV				06/28/24 07:55	1.0	3	
005	gc07_062824005	CCV				06/28/24 08:25	1.0	2	
006	gc07_062824006	CCV				06/28/24 08:46	1.0	3	
019	gc07_062824019	ICAL				06/28/24 12:46	1.0	4	
020	gc07_062824020	ICAL				06/28/24 13:03	1.0	5	
021	gc07_062824021	ICAL				06/28/24 13:21	1.0	6	
022	gc07_062824022	ICAL				06/28/24 13:38	1.0	7	
023	gc07_062824023	ICAL				06/28/24 13:56	1.0	8	
024	gc07_062824024	ICAL				06/28/24 14:13	1.0	9	
025	gc07_062824025	ICAL				06/28/24 14:30	1.0	10	
026	gc07_062824026	ICAL				06/28/24 14:48	1.0	11	
027	gc07_062824027	ICAL				06/28/24 15:05	1.0	12	
028	gc07_062824028	ICAL				06/28/24 15:22	1.0	13	
030	gc07_062824030	ICV				06/28/24 15:57	1.0	14	

KLR 06/28/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 30.

ac=average CCV drift out

Standards Used:

1=S20775 2=S20879 3=S20894 4=S20882 5=S20883 6=S20884 7=S20885 8=S20886 9=S20887 10=S20888 11=S20889 12=S20890 13=S20891 14=S20893

Instrument: SVOA-GC07

Begun: 07/09/24 09:35

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_070924002	PEM				07/09/24 09:35	1.0	1	
003	gc07_070924003	CCV				07/09/24 09:58	1.0	2	
005	gc07_070924005	CCV				07/09/24 10:39	1.0	3	
006	gc07_070924006	ICAL				07/09/24 11:02	1.0	4	
015	gc07_070924015	BLANK	QC1167529	Soil	344543	07/09/24 13:50	1.0	5	
016	gc07_070924016	UNKNOWN	SOX-Q3-1		344543	07/09/24 14:08	1.0	5	
017	gc07_070924017	UNKNOWN	SOX-Q3-1		344543	07/09/24 14:25	1.0	5	
018	gc07_070924018	UNKNOWN	SOX-Q3-1		344543	07/09/24 14:43	1.0	5	
019	gc07_070924019	UNKNOWN	SOX-Q3-1		344543	07/09/24 15:00	1.0	5	
020	gc07_070924020	UNKNOWN	SOX-Q3-1		344543	07/09/24 15:18	1.0	5	
021	gc07_070924021	BLANK	QC1166537	Water	344293	07/09/24 15:35	1.0	5	
022	gc07_070924022	BLANK	QC1165689	Water	344040	07/09/24 15:53	1.0	5	
023	gc07_070924023	BS	QC1165690	Water	344040	07/09/24 16:10	1.0	5	
024	gc07_070924024	BSD	QC1165691	Water	344040	07/09/24 16:28	1.0	5	
025	gc07_070924025	SAMPLE	511197-003	Water	344040	07/09/24 16:45	5.0	5	high NT
026	gc07_070924026	SAMPLE	511102-001	Soil	344453	07/09/24 17:03	100.0	5	
028	gc07_070924028	CCV				07/09/24 17:38	1.0	2	
029	gc07_070924029	CCV				07/09/24 17:56	1.0	3	
034	gc07_070924034	BLANK	QC1167799	Wipe	344625	07/09/24 19:24	1.0	5	
035	gc07_070924035	BS	QC1167800	Wipe	344625	07/09/24 19:41	1.0	5	
036	gc07_070924036	BSD	QC1167801	Wipe	344625	07/09/24 19:59	1.0	5	
037	gc07_070924037	SAMPLE	511602-001	Wipe	344625	07/09/24 20:21	1.0	5	
038	gc07_070924038	SAMPLE	511602-002	Wipe	344625	07/09/24 20:39	1.0	5	
039	gc07_070924039	SAMPLE	511602-003	Wipe	344625	07/09/24 20:56	1.0	5	
040	gc07_070924040	SAMPLE	511602-004	Wipe	344625	07/09/24 21:14	1.0	5	
041	gc07_070924041	SAMPLE	511602-005	Wipe	344625	07/09/24 21:31	1.0	5	
042	gc07_070924042	SAMPLE	511602-006	Wipe	344625	07/09/24 21:49	1.0	5	
043	gc07_070924043	SAMPLE	511602-007	Wipe	344625	07/09/24 22:06	1.0	5	
044	gc07_070924044	SAMPLE	511603-001	Wipe	344625	07/09/24 22:24	1.0	5	
045	gc07_070924045	SAMPLE	511603-002	Wipe	344625	07/09/24 22:41	1.0	5	
046	gc07_070924046	SAMPLE	511603-003	Wipe	344625	07/09/24 22:59	1.0	5	
047	gc07_070924047	SAMPLE	511603-004	Wipe	344625	07/09/24 23:16	1.0	5	
048	gc07_070924048	SAMPLE	511603-005	Wipe	344625	07/09/24 23:34	1.0	5	
049	gc07_070924049	SAMPLE	511640-002	Wipe	344707	07/09/24 23:51	1.0	5	
052	gc07_070924052	BS	QC1166797	Soil	344360	07/10/24 00:44	1.0	5	
053	gc07_070924053	BSD	QC1166798	Soil	344360	07/10/24 01:01	1.0	5	
054	gc07_070924054	MSS	511416-001	Soil	344468	07/10/24 01:19	50.0	5	
055	gc07_070924055	SAMPLE	511416-003	Soil	344468	07/10/24 01:36	50.0	5	
056	gc07_070924056	SAMPLE	511416-007	Soil	344468	07/10/24 01:54	5.0	5	
057	gc07_070924057	SAMPLE	511416-005	Soil	344468	07/10/24 02:11	2.0	5	1:DDE44=310

MES 07/10/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 53.

Standards Used:

1=S20775 2=S21103 3=S21104 4=S20753 5=S20106

SAMPLE PREPARATION SUMMARY

Batch #: 344625	Prep Date: 09-JUL-2024 13:07	Started By: AEB
Analysis: 8080	Method: 3546	Finished By: AEB

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S21087	Spike S20910	Analysis
QC1167799 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1167800 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1167801 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
511602-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-002	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-006	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511602-007	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511603-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511603-002	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511603-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511603-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
511603-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE

Analyst: MES 07/10/24

Reviewer: MTS 07/10/24

8081/8082/608.3 Prep Log 13:07

Prep Method: 3546 Matrix: wipe Date/Time: 07/09/2024 13:07 Initials: AEB

Hotblock ID: N/A Therm Loc: N/A Therm ID/CF: N/A / N/A

608.3 QC Batch#:

Hotblock Temp (Obs/Corr), °C: N/A / N/A

8081 QC Batch #:

Balance ID: N/A Microdispenser ID: syringe

8082 QC Batch # 344625

Extraction Start Time*: 13:10 Extraction end time*: 13:55
* For hot block, microwave, shaker table

* For hot block, microwave, shaker table

244707

[illegible]Methylene Chloride Lot: *N/A*

Exchange Solvent (Hexane) ID: S21096

Acetone-Hexane Mix ID: WR-010824-002

Sodium Sulfate Lot: 232416

Baked Sand Lot: N/A

Surrogate ID: S21087

Volume: 500 μL

Pest LCS Spike ID: N/A Volume: N/A μ L

PCB LCS Spike ID: S20910 Volume: 500 μ L

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A μ L

REPORTING SUMMARY FOR 511603 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
511603-001	Aroclor-1016	SVOA-GC07	B	07/09/24 22:24
511603-001	Aroclor-1221	SVOA-GC07	B	07/09/24 22:24
511603-001	Aroclor-1232	SVOA-GC07	B	07/09/24 22:24
511603-001	Aroclor-1242	SVOA-GC07	B	07/09/24 22:24
511603-001	Aroclor-1248	SVOA-GC07	B	07/09/24 22:24
511603-001	Aroclor-1254	SVOA-GC07	B	07/09/24 22:24
511603-001	Aroclor-1260	SVOA-GC07	B	07/09/24 22:24
511603-001	Aroclor-1262	SVOA-GC07	B	07/09/24 22:24
511603-001	Aroclor-1268	SVOA-GC07	B	07/09/24 22:24
511603-001	TCMX (PCB)	SVOA-GC07	B	07/09/24 22:24
511603-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 22:24
511603-002	Aroclor-1016	SVOA-GC07	B	07/09/24 22:41
511603-002	Aroclor-1221	SVOA-GC07	B	07/09/24 22:41
511603-002	Aroclor-1232	SVOA-GC07	B	07/09/24 22:41
511603-002	Aroclor-1242	SVOA-GC07	B	07/09/24 22:41
511603-002	Aroclor-1248	SVOA-GC07	B	07/09/24 22:41
511603-002	Aroclor-1254	SVOA-GC07	B	07/09/24 22:41
511603-002	Aroclor-1260	SVOA-GC07	B	07/09/24 22:41
511603-002	Aroclor-1262	SVOA-GC07	B	07/09/24 22:41
511603-002	Aroclor-1268	SVOA-GC07	B	07/09/24 22:41
511603-002	TCMX (PCB)	SVOA-GC07	B	07/09/24 22:41
511603-002	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 22:41
511603-003	Aroclor-1016	SVOA-GC07	B	07/09/24 22:59
511603-003	Aroclor-1221	SVOA-GC07	B	07/09/24 22:59
511603-003	Aroclor-1232	SVOA-GC07	B	07/09/24 22:59
511603-003	Aroclor-1242	SVOA-GC07	B	07/09/24 22:59
511603-003	Aroclor-1248	SVOA-GC07	B	07/09/24 22:59
511603-003	Aroclor-1254	SVOA-GC07	B	07/09/24 22:59
511603-003	Aroclor-1260	SVOA-GC07	B	07/09/24 22:59
511603-003	Aroclor-1262	SVOA-GC07	B	07/09/24 22:59
511603-003	Aroclor-1268	SVOA-GC07	B	07/09/24 22:59

REPORTING SUMMARY FOR 511603 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
511603-003	TCMX (PCB)	SVOA-GC07	B	07/09/24 22:59
511603-003	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 22:59
511603-004	Aroclor-1016	SVOA-GC07	B	07/09/24 23:16
511603-004	Aroclor-1221	SVOA-GC07	B	07/09/24 23:16
511603-004	Aroclor-1232	SVOA-GC07	B	07/09/24 23:16
511603-004	Aroclor-1242	SVOA-GC07	B	07/09/24 23:16
511603-004	Aroclor-1248	SVOA-GC07	B	07/09/24 23:16
511603-004	Aroclor-1254	SVOA-GC07	B	07/09/24 23:16
511603-004	Aroclor-1260	SVOA-GC07	B	07/09/24 23:16
511603-004	Aroclor-1262	SVOA-GC07	B	07/09/24 23:16
511603-004	Aroclor-1268	SVOA-GC07	B	07/09/24 23:16
511603-004	TCMX (PCB)	SVOA-GC07	B	07/09/24 23:16
511603-004	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 23:16
511603-005	Aroclor-1016	SVOA-GC07	B	07/09/24 23:34
511603-005	Aroclor-1221	SVOA-GC07	B	07/09/24 23:34
511603-005	Aroclor-1232	SVOA-GC07	B	07/09/24 23:34
511603-005	Aroclor-1242	SVOA-GC07	B	07/09/24 23:34
511603-005	Aroclor-1248	SVOA-GC07	B	07/09/24 23:34
511603-005	Aroclor-1254	SVOA-GC07	B	07/09/24 23:34
511603-005	Aroclor-1260	SVOA-GC07	B	07/09/24 23:34
511603-005	Aroclor-1262	SVOA-GC07	B	07/09/24 23:34
511603-005	Aroclor-1268	SVOA-GC07	B	07/09/24 23:34
511603-005	TCMX (PCB)	SVOA-GC07	B	07/09/24 23:34
511603-005	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 23:34
QC1167799	Aroclor-1016	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1221	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1232	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1242	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1248	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1254	SVOA-GC07	B	07/09/24 19:24

REPORTING SUMMARY FOR 511603 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1167799	Aroclor-1260	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1262	SVOA-GC07	B	07/09/24 19:24
QC1167799	Aroclor-1268	SVOA-GC07	B	07/09/24 19:24
QC1167799	TCMX (PCB)	SVOA-GC07	B	07/09/24 19:24
QC1167799	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 19:24
QC1167800	Aroclor-1016	SVOA-GC07	B	07/09/24 19:41
QC1167800	Aroclor-1260	SVOA-GC07	B	07/09/24 19:41
QC1167800	TCMX (PCB)	SVOA-GC07	B	07/09/24 19:41
QC1167800	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 19:41
QC1167801	Aroclor-1016	SVOA-GC07	B	07/09/24 19:59
QC1167801	Aroclor-1260	SVOA-GC07	B	07/09/24 19:59
QC1167801	TCMX (PCB)	SVOA-GC07	B	07/09/24 19:59
QC1167801	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/09/24 19:59

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 511603-001	Client ID: DOOR-S-15.5GE-PS-21-240708-P-G
Seqnum: 464275615044	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_070924044	Batch: 344625	Time: 09-JUL-2024 22:24
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	21.07	ug/L	ND	0.51	84%	0.50		u
Aroclor-1016 Peak # 1	B	69.23	ug/L	0.69	0.05	171%			
Aroclor-1016 Peak # 2	B	2.465	ug/L	0.02	0.40	177%			
Aroclor-1016 Peak # 3	B	29.46	ug/L	0.29	0.43	36%			
Aroclor-1016 Peak # 4	B	2.349	ug/L	0.02	1.41	193%			
Aroclor-1016 Peak # 5	B	1.849	ug/L	0.02	0.28	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	45.95	ug/L	ND	1.3	93%	0.50		u
Aroclor-1260 Peak # 1	B	97.53	ug/L	0.98	3.72	117%			
Aroclor-1260 Peak # 2	B	42.52	ug/L	0.43	0.08	139%			
Aroclor-1260 Peak # 3	B	14.92	ug/L	0.15	0.10	41%			
Aroclor-1260 Peak # 4	B	20.70	ug/L	0.21	2.15	165%			
Aroclor-1260 Peak # 5	B	54.05	ug/L	0.54	0.21	89%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	40.89	pg/uL	0.5000	0.4089	82	19-121	u
Decachlorobiphenyl (PCB)	B	42.75	pg/uL	0.5000	0.4275	86	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	8137108	12.81
1-bromo-2-nitrobenzene (PCB)	A	26536532	27637290	4.15

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

07/10/24 : WIPE/1S-10ML

u=use

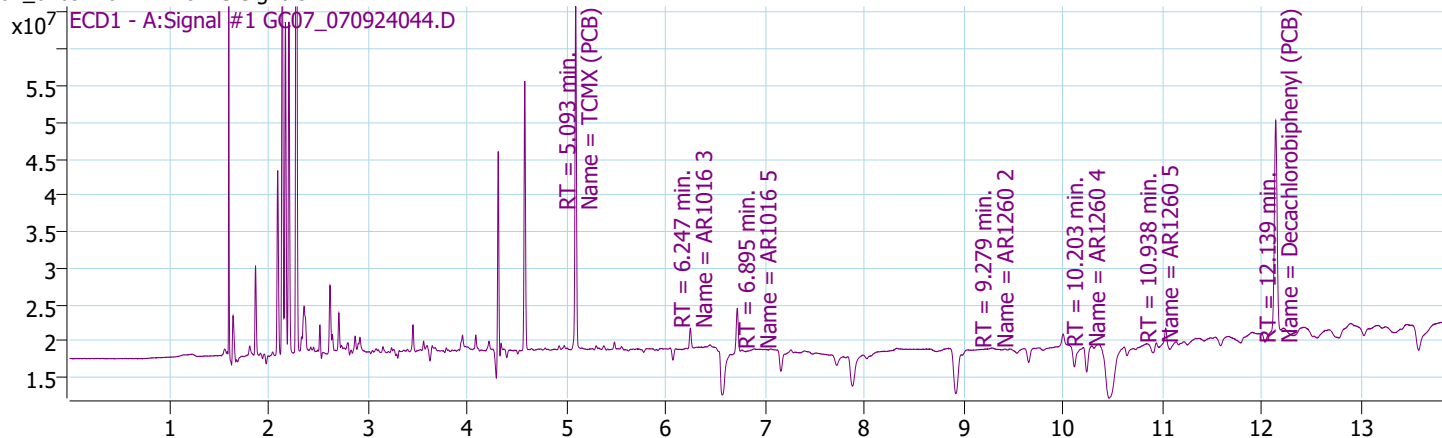
Analyst: MES 07/10/24

Reviewer: MTS 07/10/24

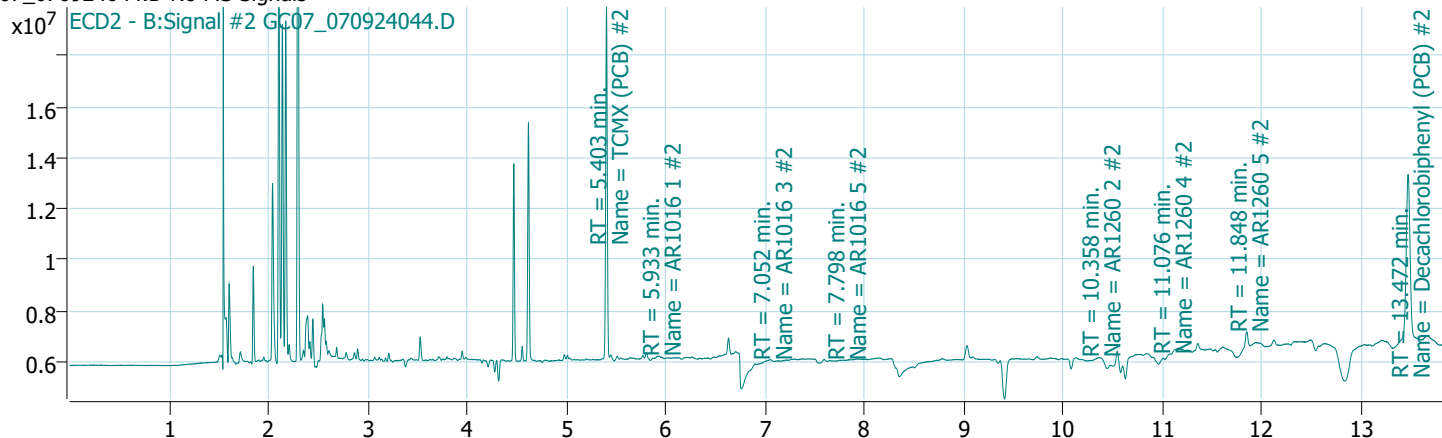
Quantitation Results Report (Not Reviewed)

Data File	GC07_070924044.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 10:24:20 PM
Sample Name	511603-001, 344625, 1	Instrument	SVOA-GC07
Vial	26	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_070924044.D No MS Signals



GC07_070924044.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	27637289.833	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	8137108.440	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.093	0.0	50821797.266	39.2552	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.28%	*	
S TCMX (PCB) #2	5.403	0.0	15958879.906	40.8891	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.45%	*	
S Decachlorobiphenyl (PCB)	12.139	0.0	60750076.334	39.8684	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.34%	*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	19004372.339	42.7515	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.76%	*	

Target Compounds

QValue

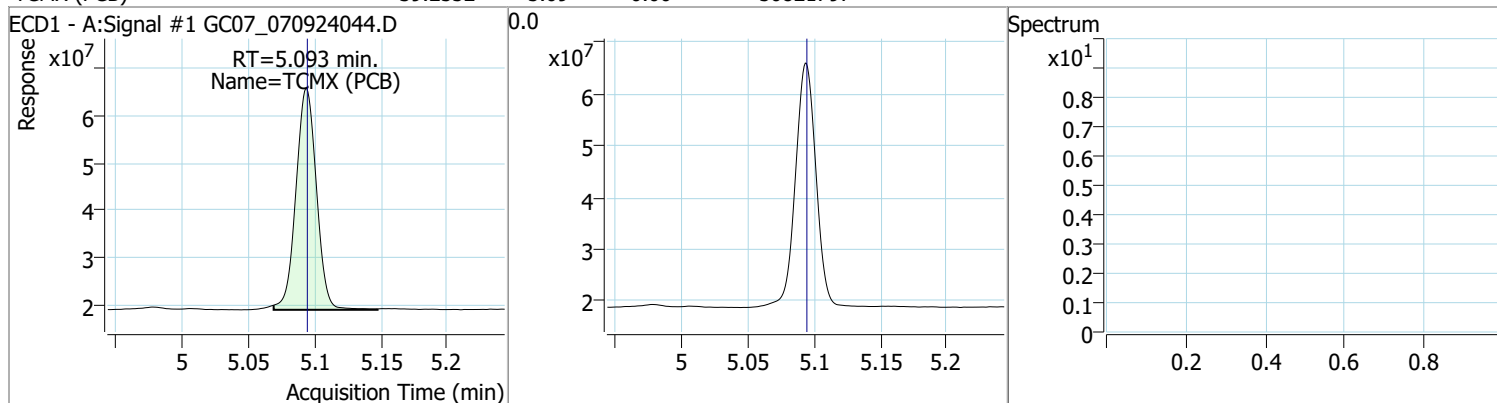
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.415	0.0	128464.773	5.3178	ng/ml	100
T AR1016 2	5.811	0.0	2002594.860	39.9039	ng/ml	100
T AR1016 1 #2	5.933	0.0	594792.447	69.2295	ng/ml	100
T AR1016 3	6.247	0.0	3615540.096	42.5352	ng/ml	100
T AR1016 2 #2	6.339	0.0	43750.317	2.4647	ng/ml	100
T AR1016 4	6.444	0.0	5935375.106	141.3409	ng/ml	100
T AR1016 5	6.895	0.0	1030730.647	27.9237	ng/ml	100
T AR1016 3 #2	7.052	0.0	652218.111	29.4603	ng/ml	100
T AR1016 4 #2	7.125	0.0	38444.649	2.3491	ng/ml	100
T AR1016 5 #2	7.798	0.0	24478.632	1.8493	ng/ml	100
T AR1260 1	8.843	0.0	27533843.465	371.9207	ng/ml	100
T AR1260 2	9.279	0.0	867232.126	7.6700	ng/ml	100
T AR1260 3	9.599	0.0	1200045.637	9.8644	ng/ml	100
T AR1260 1 #2	9.877	0.0	2296082.025	97.5340	ng/ml	100
T AR1260 4	10.203	0.0	15140167.038	215.2646	ng/ml	100
T AR1260 2 #2	10.358	0.0	1257546.548	42.5217	ng/ml	100
T AR1260 3 #2	10.599	0.0	531253.997	14.9235	ng/ml	100
T AR1260 5	10.938	0.0	1738515.189	20.6423	ng/ml	100
T AR1260 4 #2	11.076	0.0	466021.800	20.7031	ng/ml	100
T AR1260 5 #2	11.848	0.0	1806379.038	54.0549	ng/ml	100

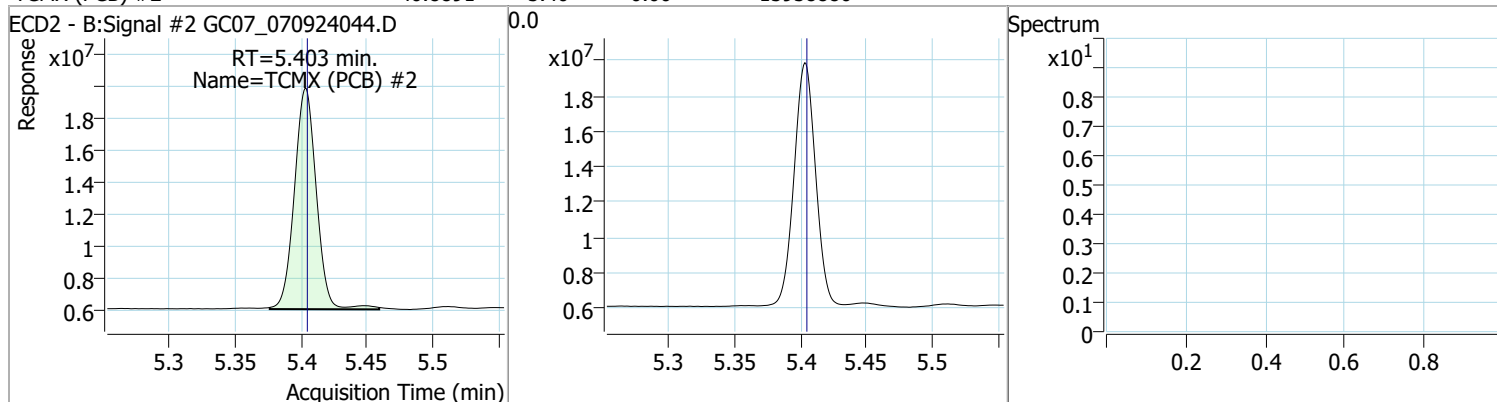
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

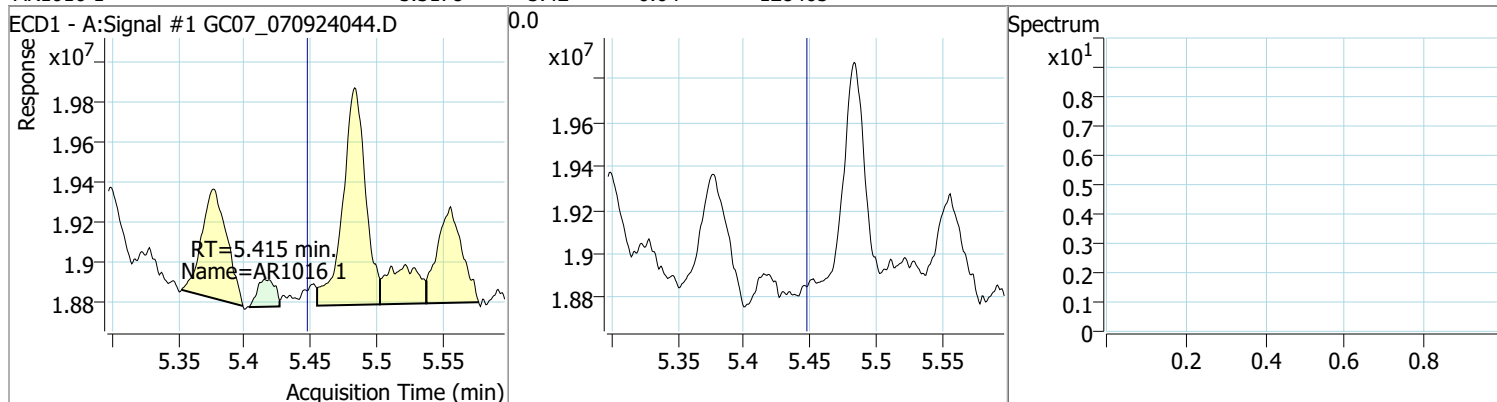
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.2552	5.09	0.00	50821797				



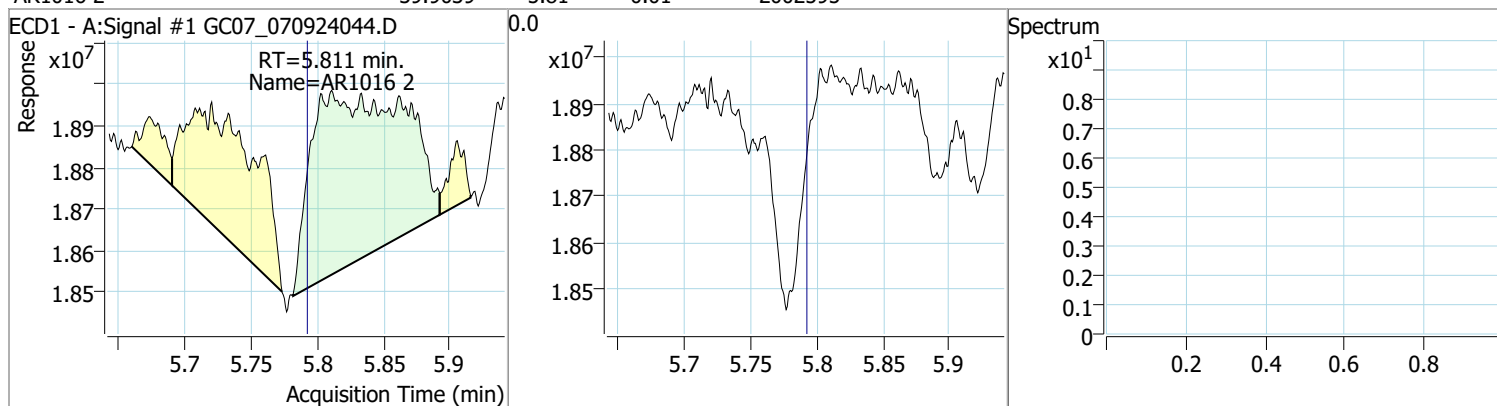
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.8891	5.40	0.00	15958880				



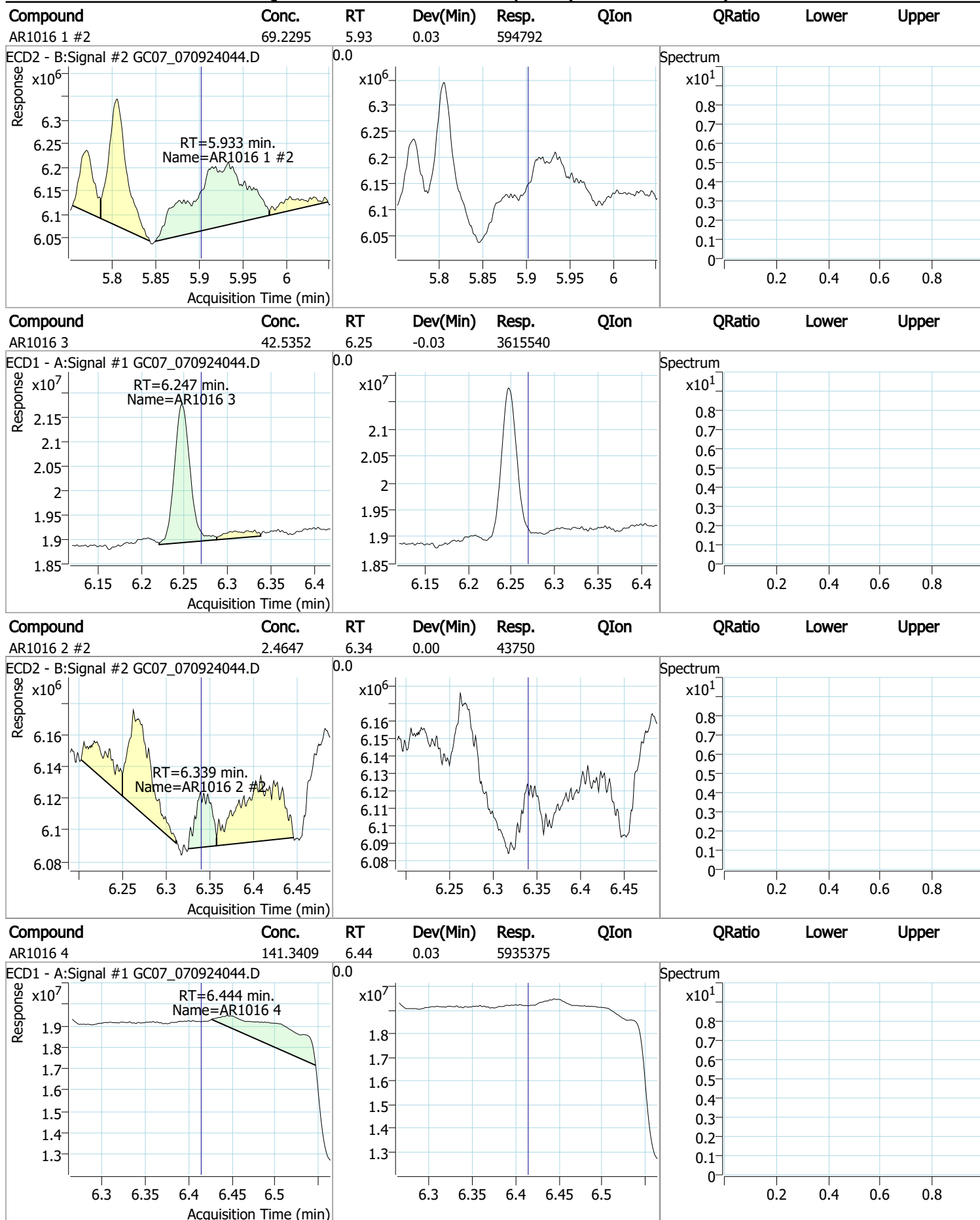
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.3178	5.42	-0.04	128465				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	39.9039	5.81	0.01	2002595				

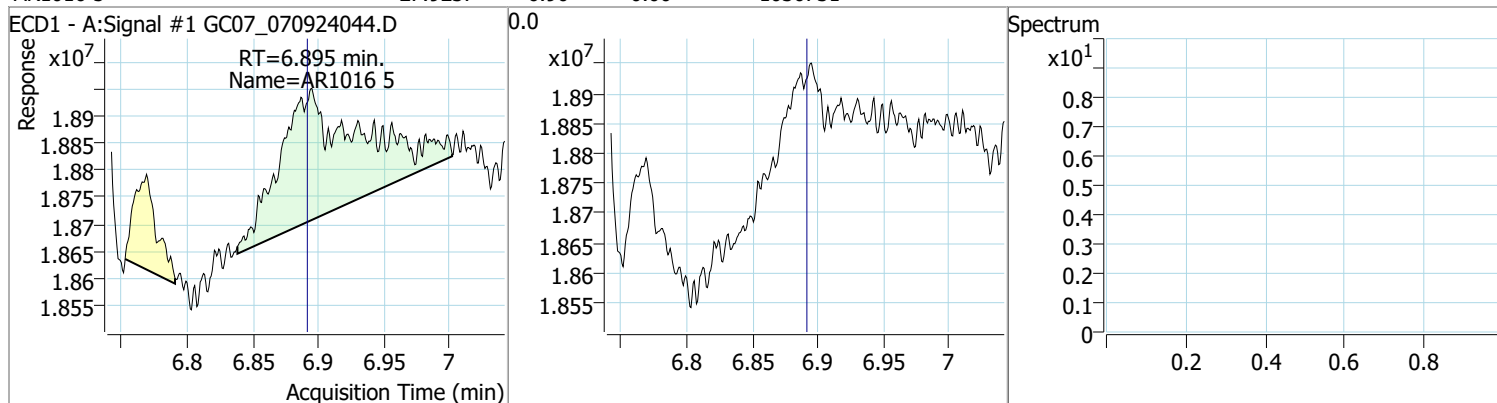


Quantitation Results Report (Not Reviewed)

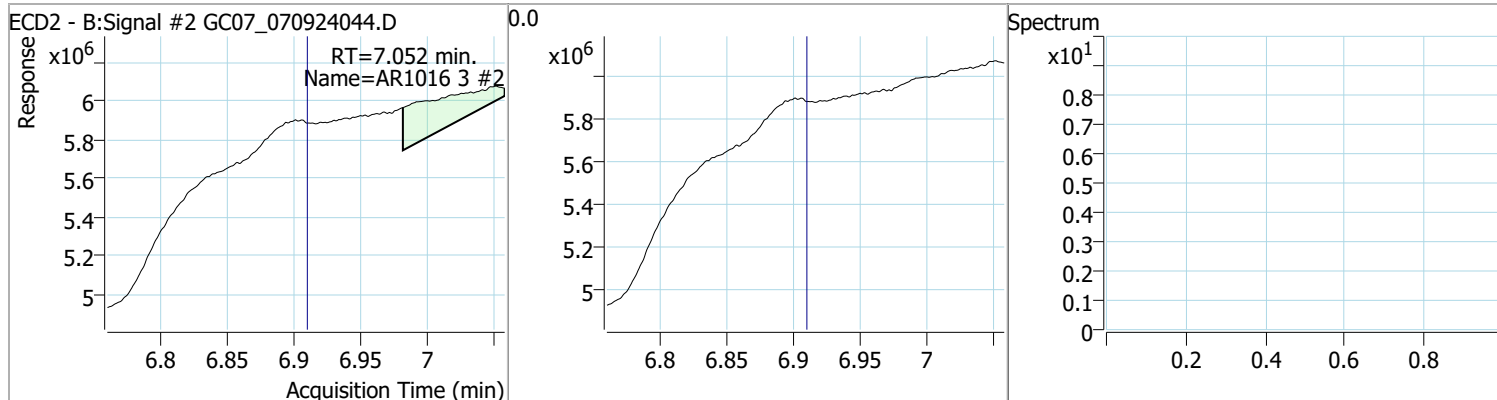


Quantitation Results Report (Not Reviewed)

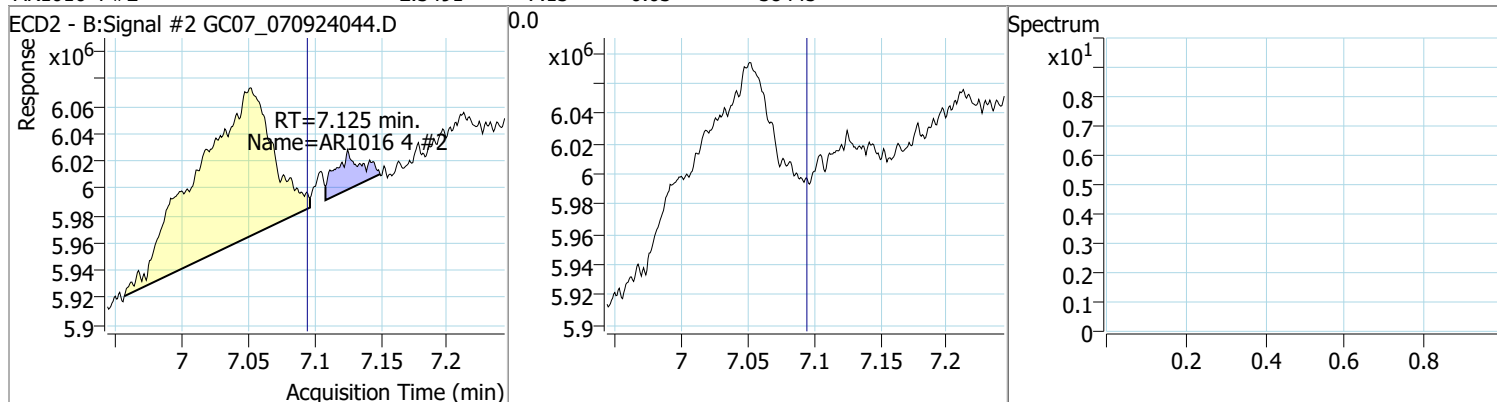
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	27.9237	6.90	0.00	1030731				



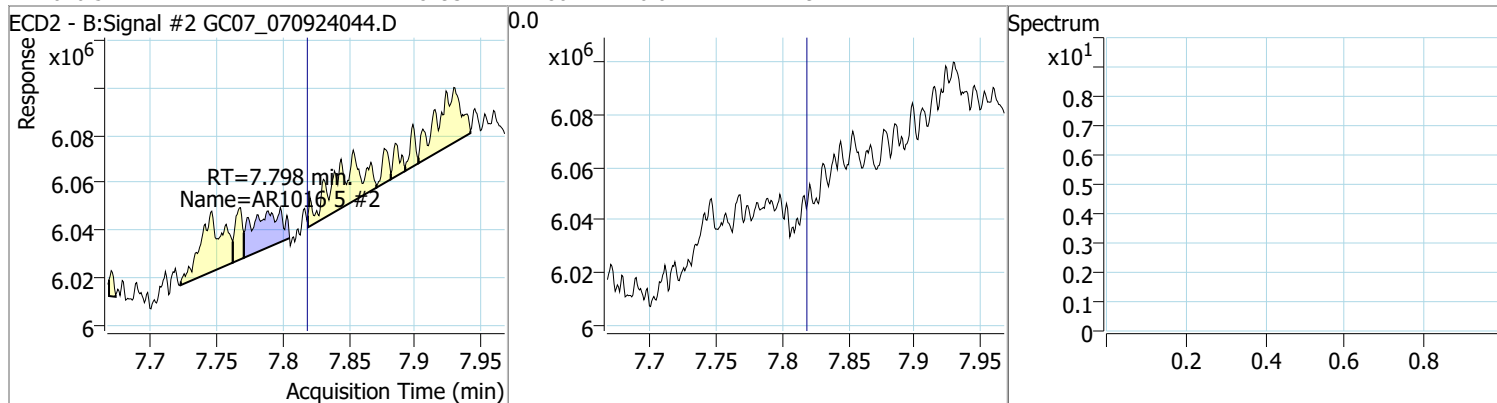
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	29.4603	7.05	0.14	652218				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.3491	7.13	0.03	38445				

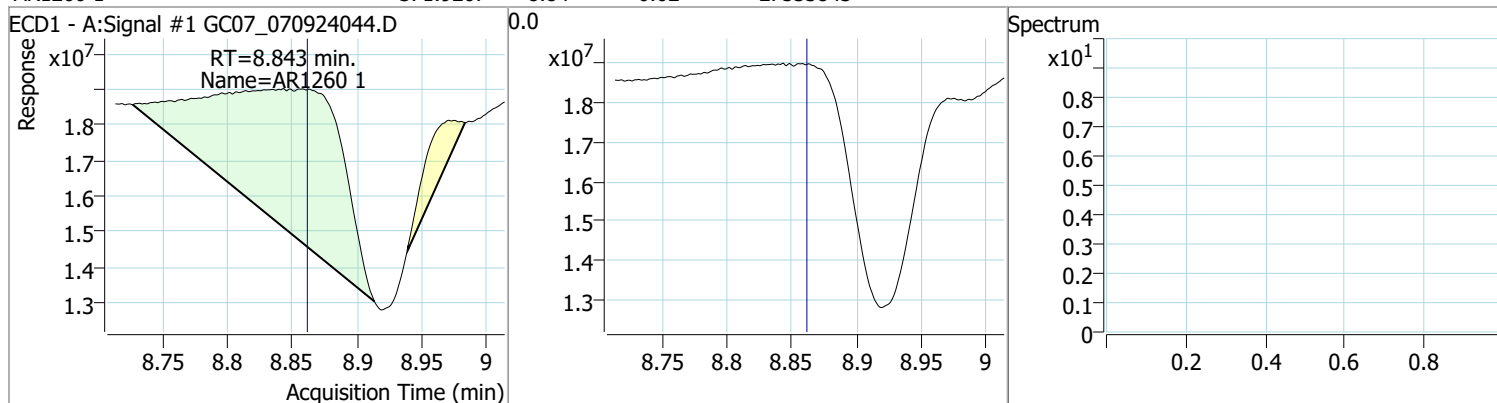


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.8493	7.80	-0.02	24479				

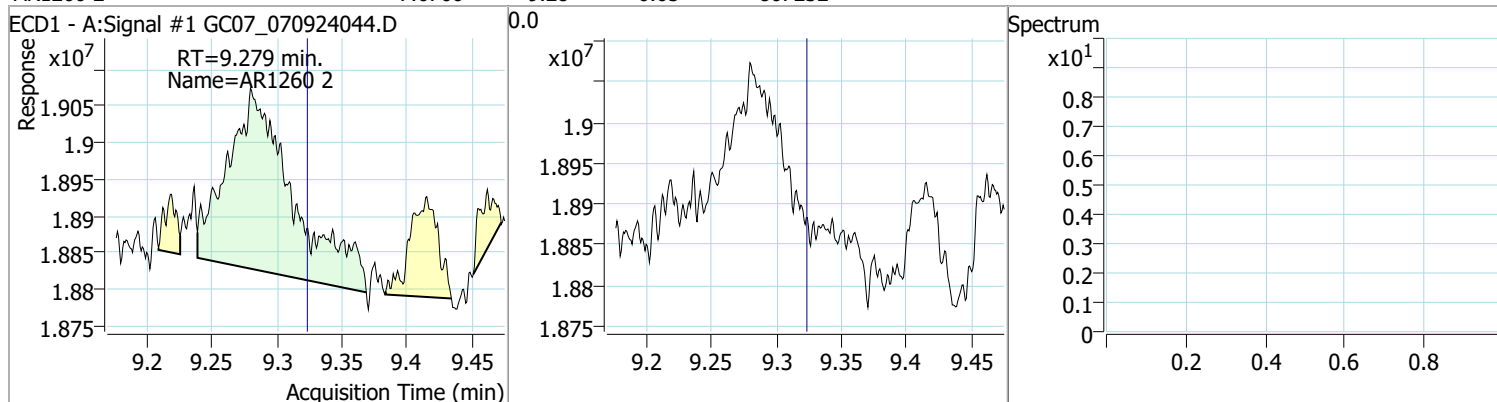


Quantitation Results Report (Not Reviewed)

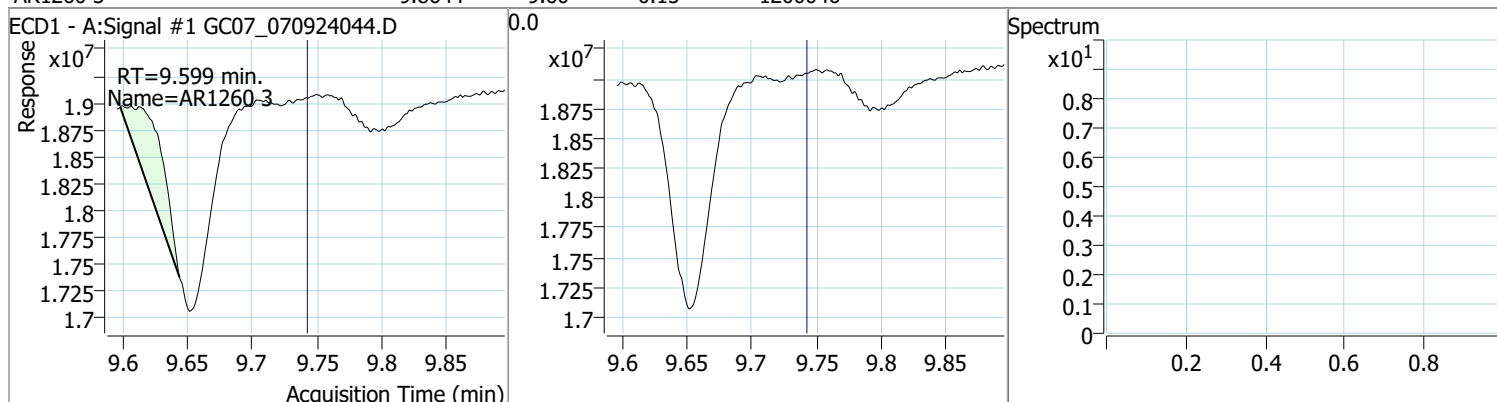
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	371.9207	8.84	-0.02	27533843				



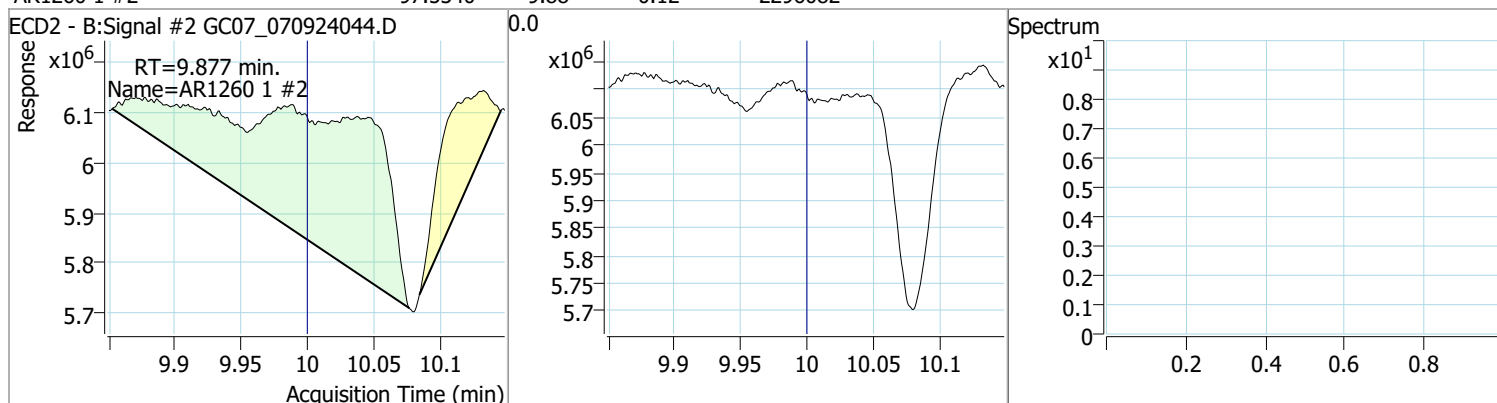
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	7.6700	9.28	-0.05	867232				



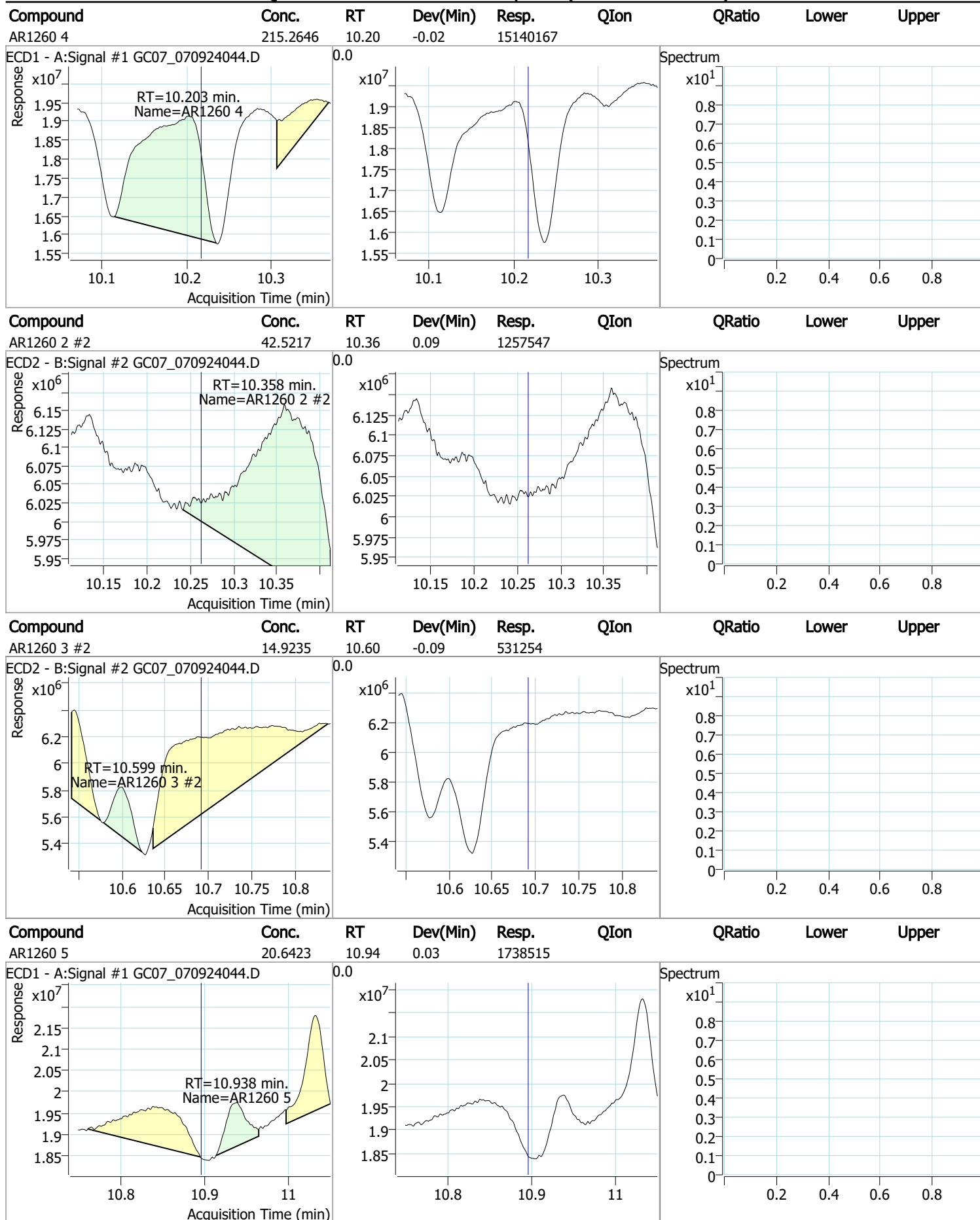
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.8644	9.60	-0.15	1200046				



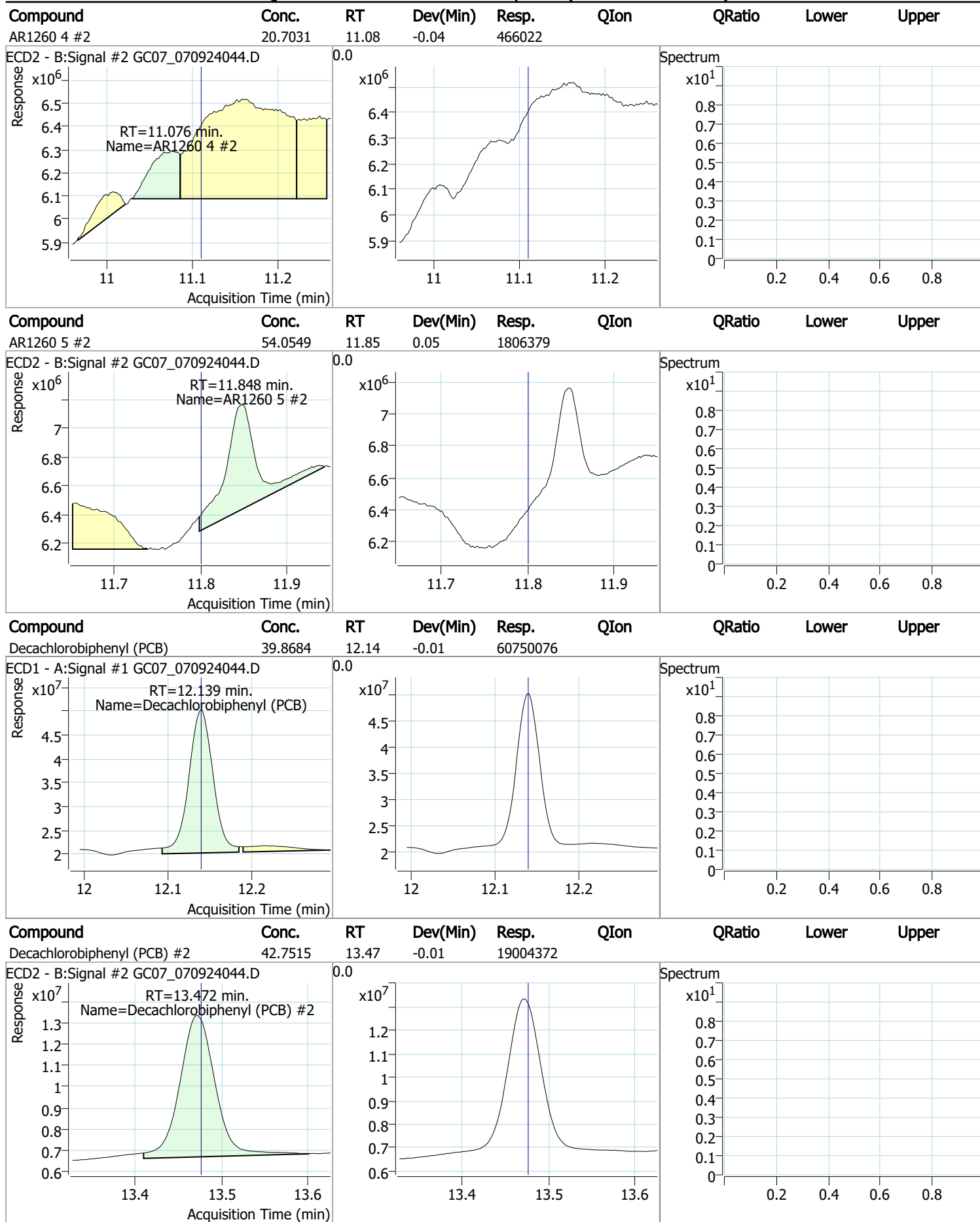
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	97.5340	9.88	-0.12	2296082				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 511603-002	Client ID: ARCH-SGE-DG-6 TO 16-240708-P-LA
Seqnum: 464275615045	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_070924045	Batch: 344625	Time: 09-JUL-2024 22:41
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	22.04	ug/L	ND	0.58	90%	0.50		u
Aroclor-1016 Peak # 1	B	80.04	ug/L	0.80	0.10	155%			
Aroclor-1016 Peak # 2	B	3.723	ug/L	0.04	0.43	168%			
Aroclor-1016 Peak # 3	B	20.78	ug/L	0.21	2.02	163%			
Aroclor-1016 Peak # 4	B	5.292	ug/L	0.05	0.02	90%			
Aroclor-1016 Peak # 5	B	0.3635	ug/L	0.00	0.34	196%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	21.80	ug/L	ND	1.4	145%	0.50		u
Aroclor-1260 Peak # 1	B	13.24	ug/L	0.13	4.11	188%			
Aroclor-1260 Peak # 2	B	5.778	ug/L	0.06	0.09	39%			
Aroclor-1260 Peak # 3	B	16.03	ug/L	0.16	0.37	78%			
Aroclor-1260 Peak # 4	B	7.088	ug/L	0.07	2.01	186%			
Aroclor-1260 Peak # 5	B	66.84	ug/L	0.67	0.28	81%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.79	pg/uL	0.5000	0.3979	80	19-121	u
Decachlorobiphenyl (PCB)	B	40.91	pg/uL	0.5000	0.4091	82	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7877293	9.21
1-bromo-2-nitrobenzene (PCB)	A	26536532	26866553	1.24

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

07/10/24 : WIPE/1S-10ML

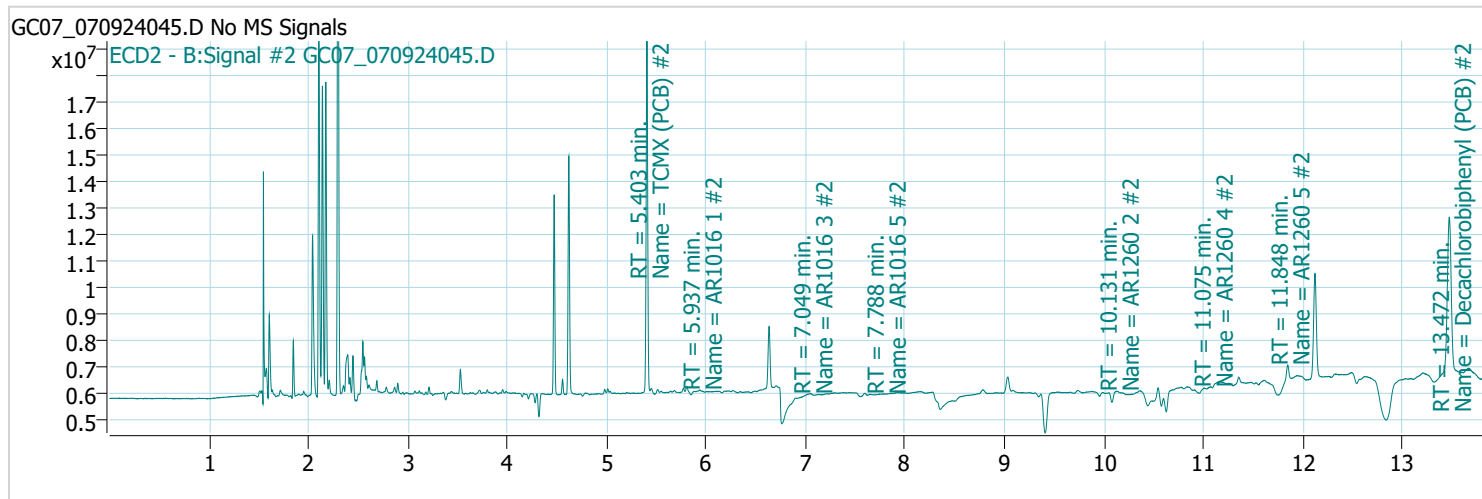
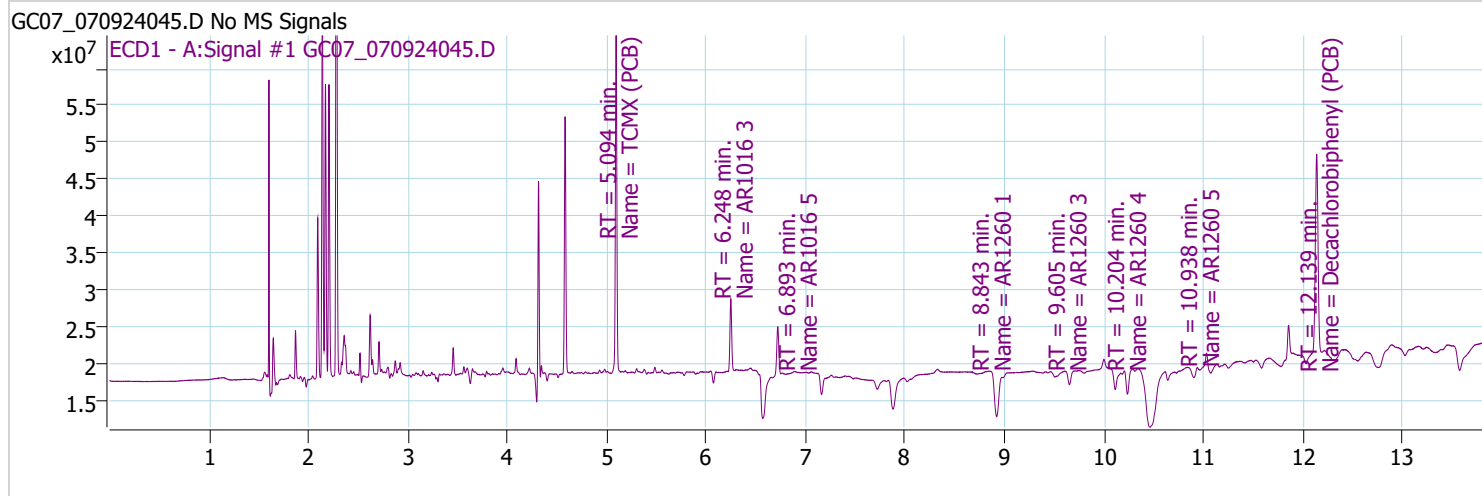
u=use

Analyst: MES 07/10/24

Reviewer: MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924045.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 10:41:53 PM
Sample Name	511603-002, 344625, 1	Instrument	SVOA-GC07
Vial	27	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	26866552.977	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	7877292.790	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.094	0.0	48066062.133	38.1917	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.96%	*	
S TCMX (PCB) #2	5.403	0.0	15032911.834	39.7871	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.94%	*	
S Decachlorobiphenyl (PCB)	12.139	0.0	57822224.595	39.0356	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.18%	*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	17605451.416	40.9108	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.55%	*	

Target Compounds

QValue

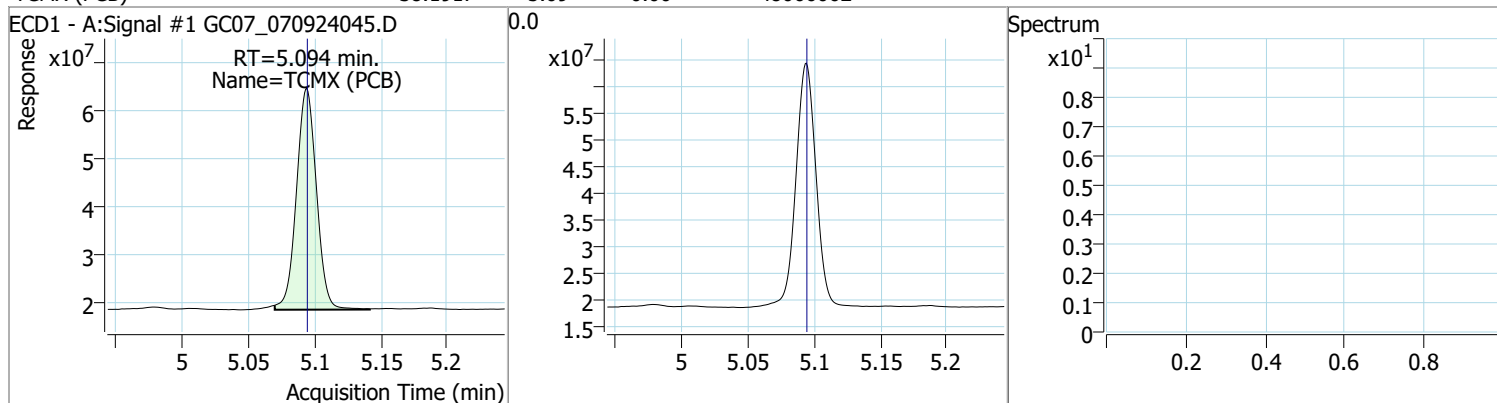
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.457	0.0	235886.639	10.0446	ng/ml	100
T AR1016 2	5.803	0.0	2118076.194	43.4158	ng/ml	100
T AR1016 1 #2	5.937	0.0	665712.781	80.0398	ng/ml	100
T AR1016 3	6.248	0.0	12239069.581	201.8935	ng/ml	100
T AR1016 2 #2	6.345	0.0	63975.961	3.7230	ng/ml	100
T AR1016 4	6.392	0.0	82210.655	2.0139	ng/ml	100
T AR1016 5	6.893	0.0	1214425.938	33.8441	ng/ml	100
T AR1016 3 #2	7.049	0.0	445278.865	20.7764	ng/ml	100
T AR1016 4 #2	7.127	0.0	83840.683	5.2919	ng/ml	100
T AR1016 5 #2	7.788	0.0	4657.758	0.3635	ng/ml	100
T AR1260 1	8.843	0.0	29585364.319	411.0966	ng/ml	100
T AR1260 2	9.283	0.0	944990.815	8.5975	ng/ml	100
T AR1260 3	9.605	0.0	4327690.614	36.5941	ng/ml	100
T AR1260 1 #2	9.883	0.0	301797.511	13.2427	ng/ml	100
T AR1260 4	10.204	0.0	13740439.427	200.9677	ng/ml	100
T AR1260 2 #2	10.131	0.0	165435.673	5.7784	ng/ml	100
T AR1260 3 #2	10.599	0.0	552417.413	16.0299	ng/ml	100
T AR1260 5	10.938	0.0	2325529.430	28.4044	ng/ml	100
T AR1260 4 #2	11.075	0.0	154444.408	7.0875	ng/ml	100
T AR1260 5 #2	11.848	0.0	2162286.603	66.8394	ng/ml	100

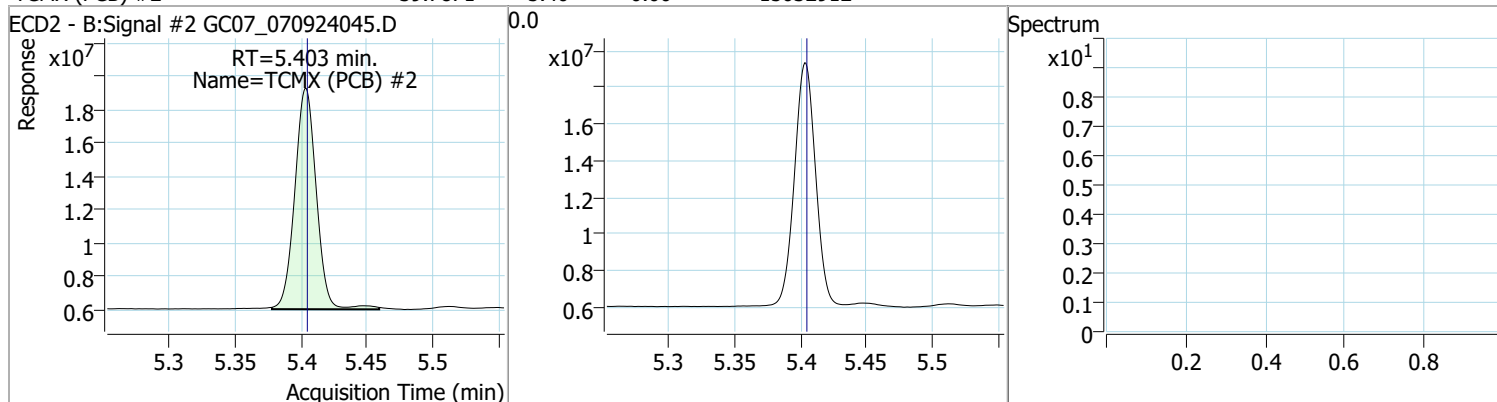
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

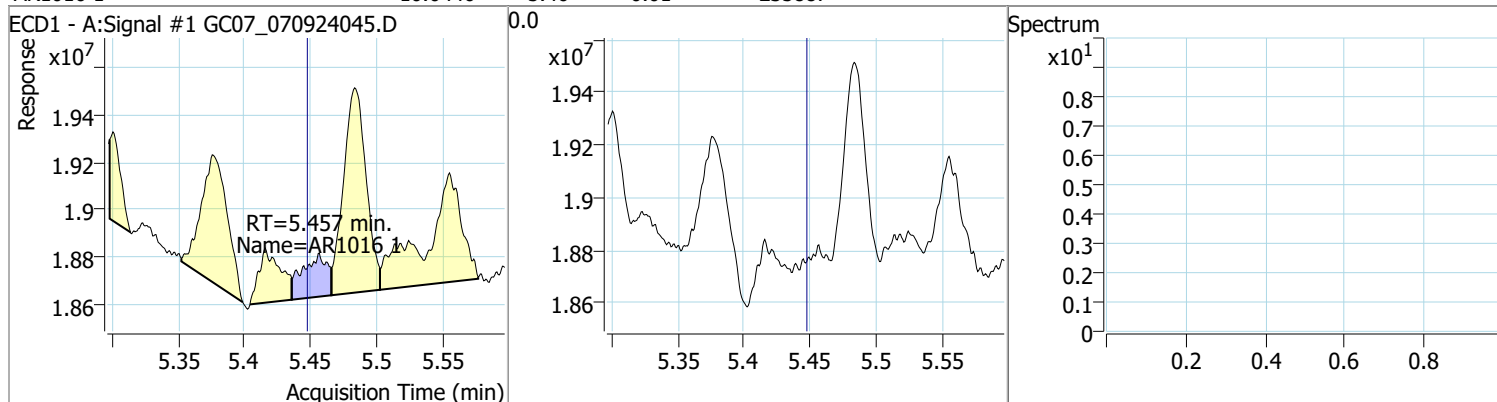
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.1917	5.09	0.00	48066062				



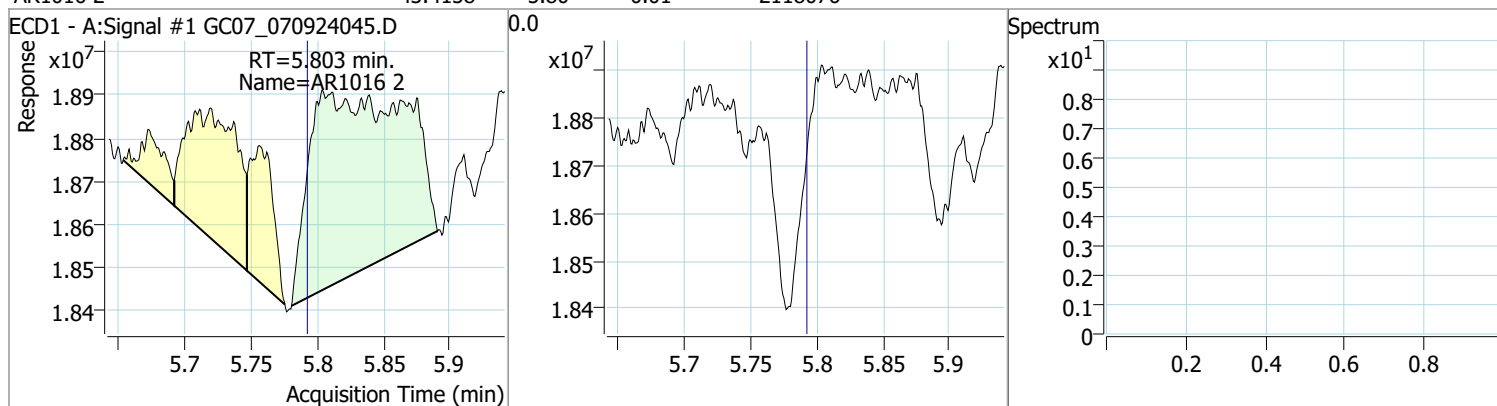
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.7871	5.40	0.00	15032912				



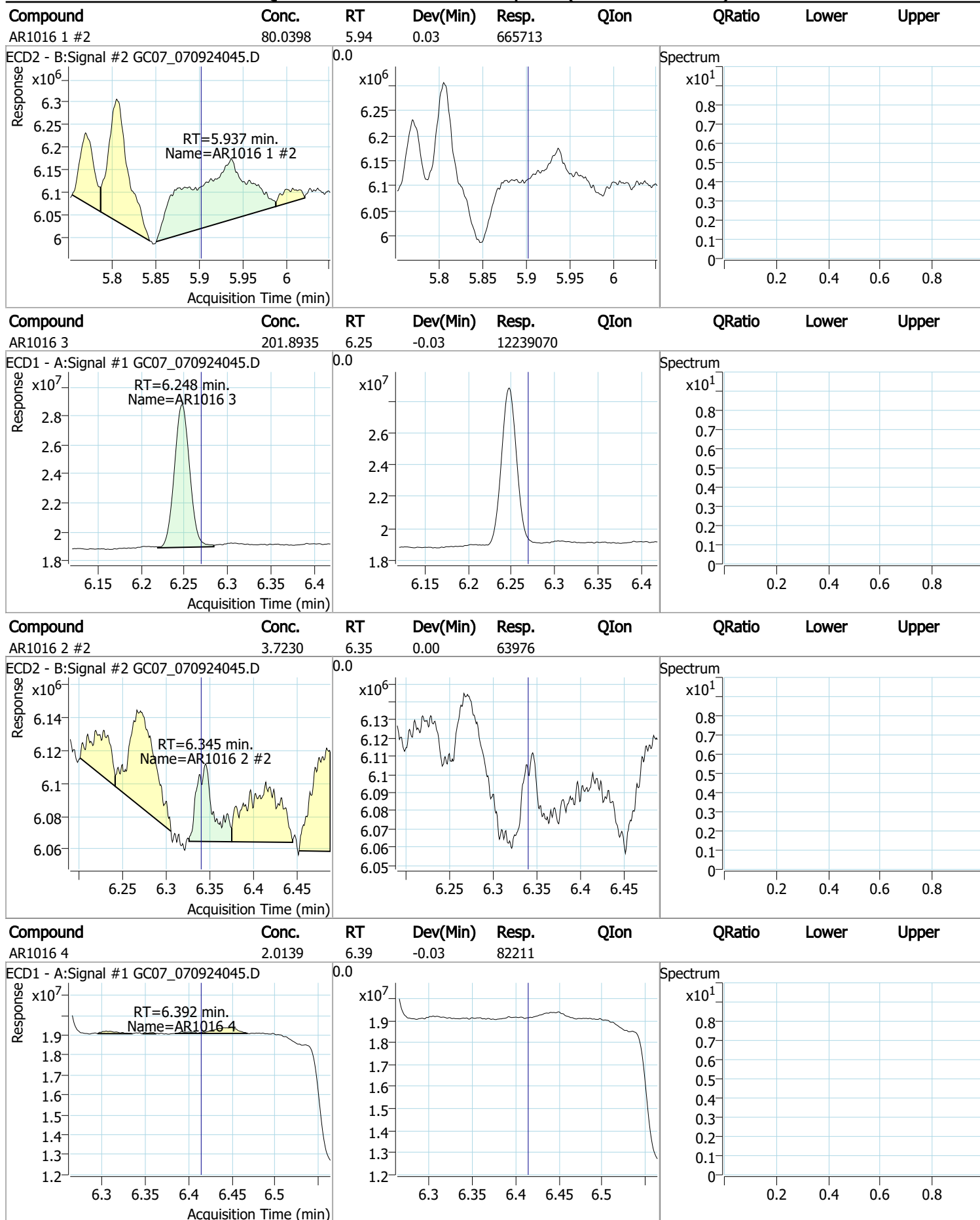
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	10.0446	5.46	0.01	235887				



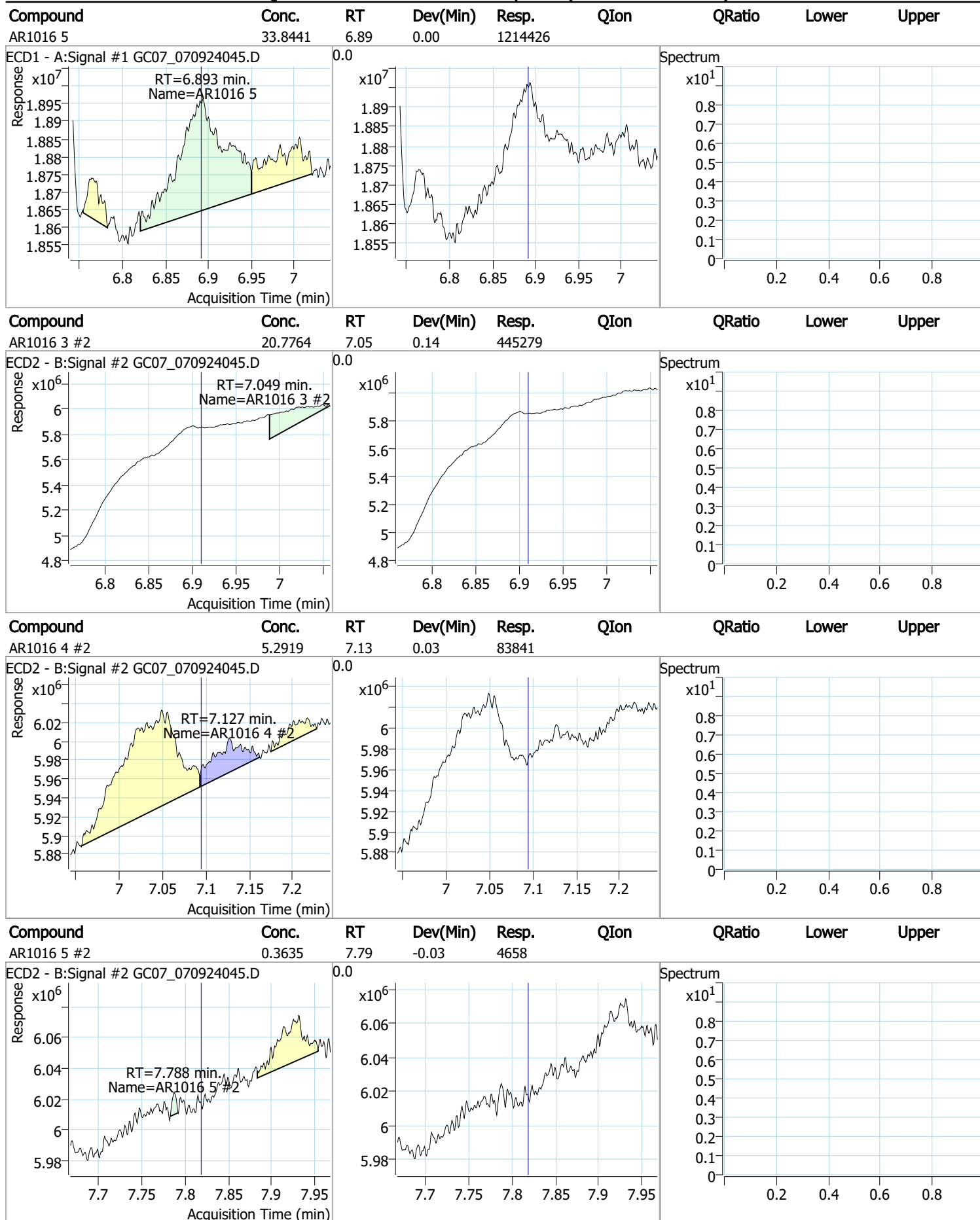
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	43.4158	5.80	0.01	2118076				



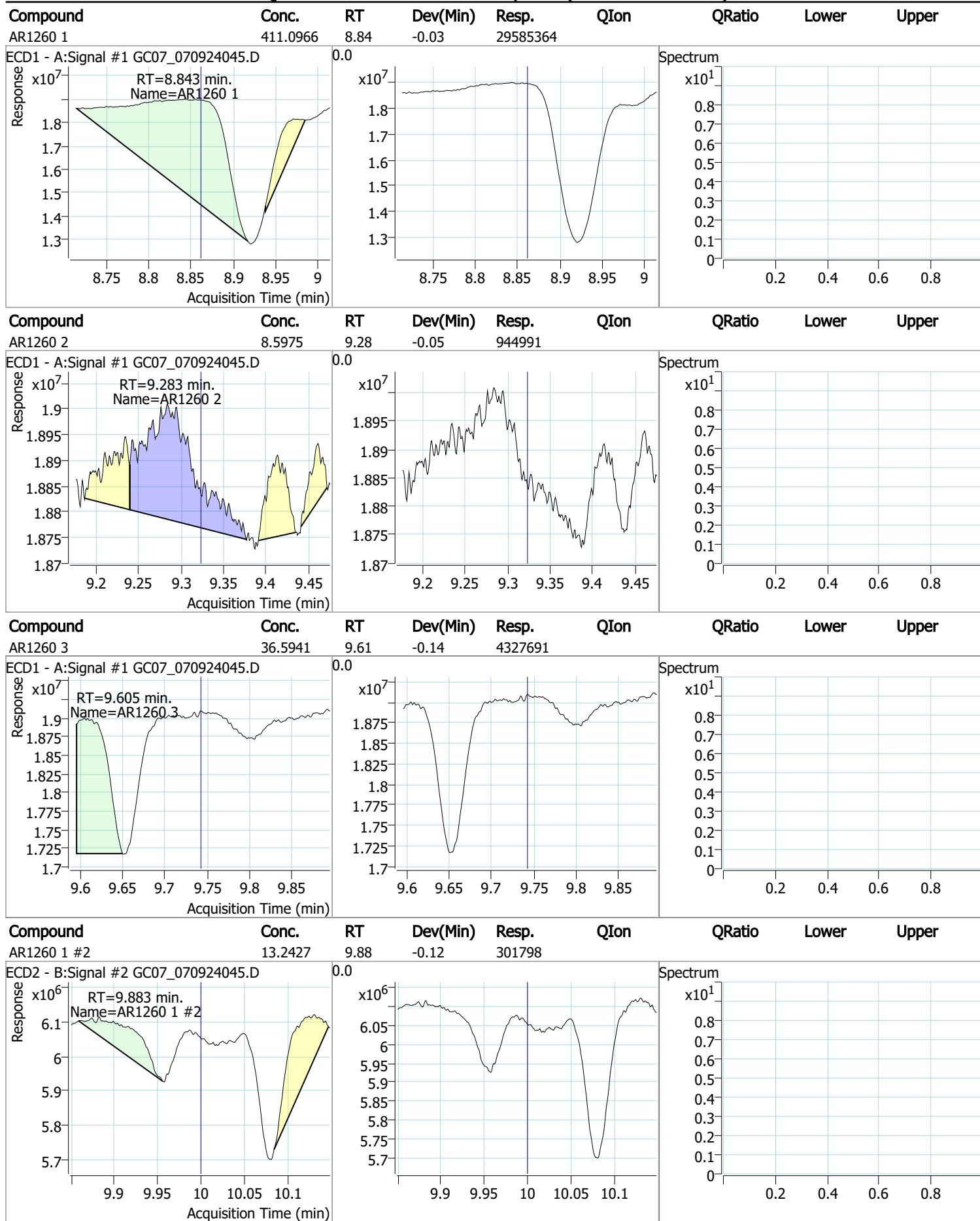
Quantitation Results Report (Not Reviewed)



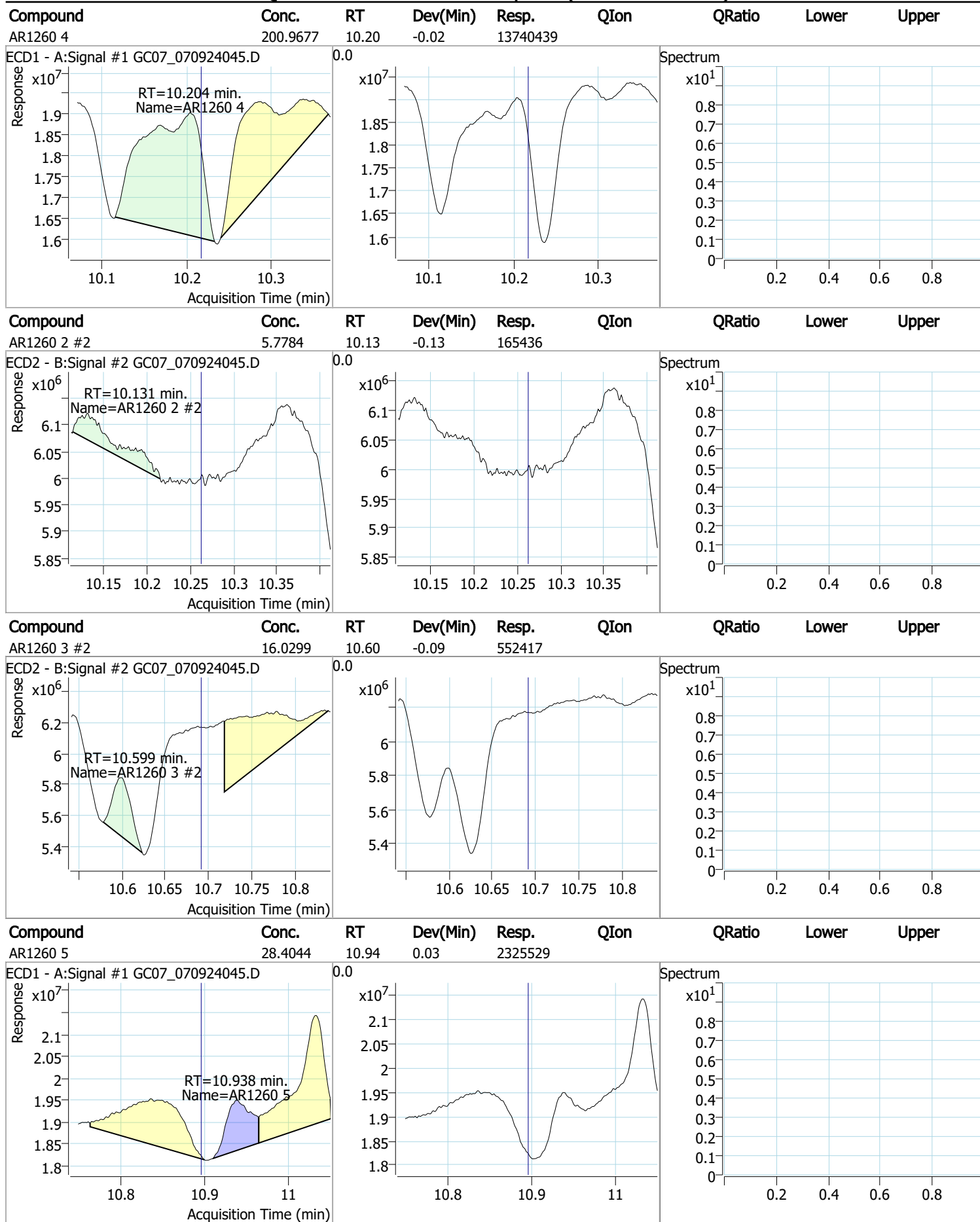
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

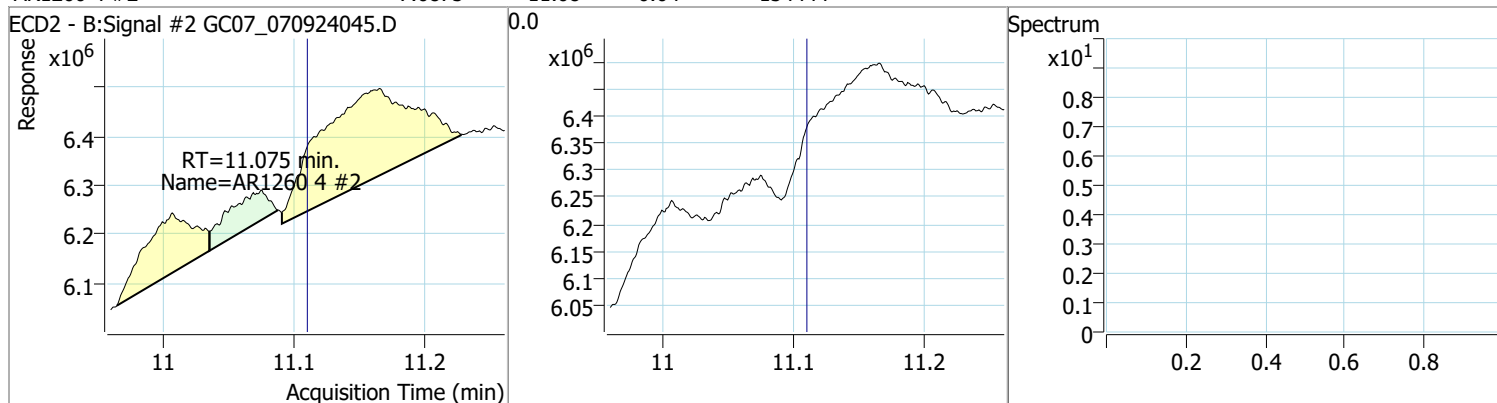


Quantitation Results Report (Not Reviewed)

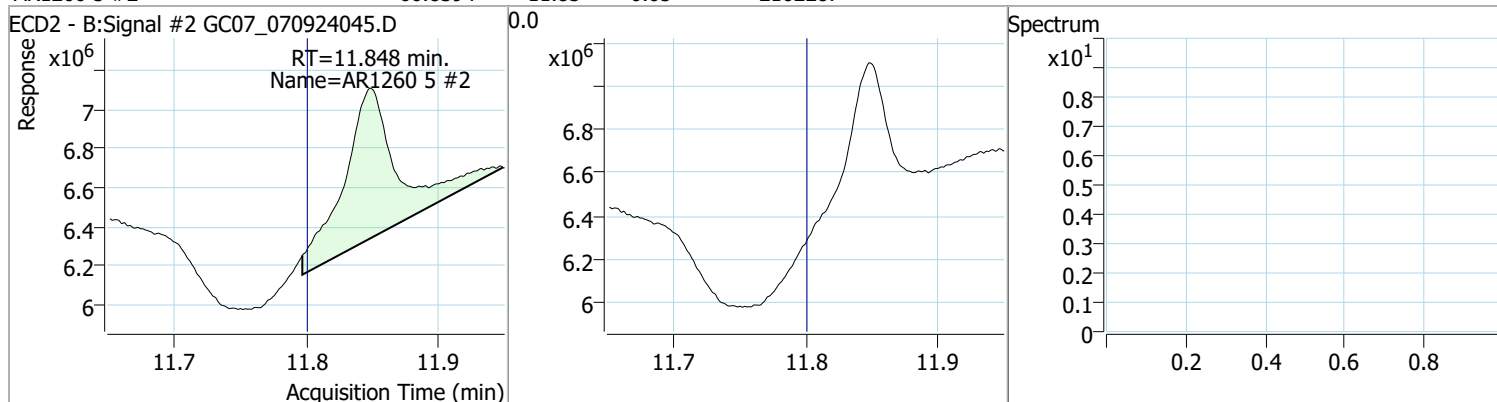


Quantitation Results Report (Not Reviewed)

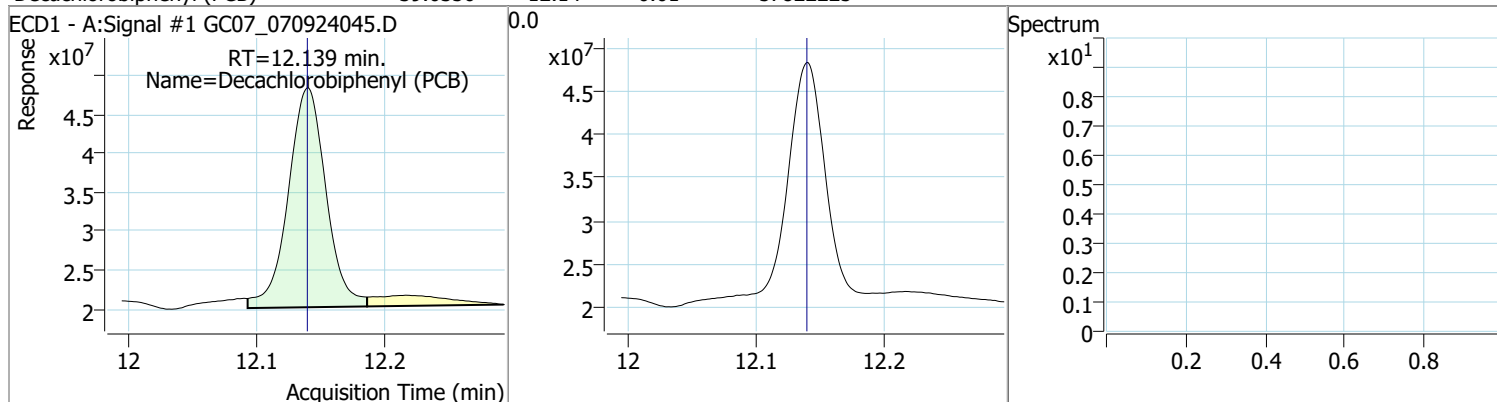
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.0875	11.08	-0.04	154444				



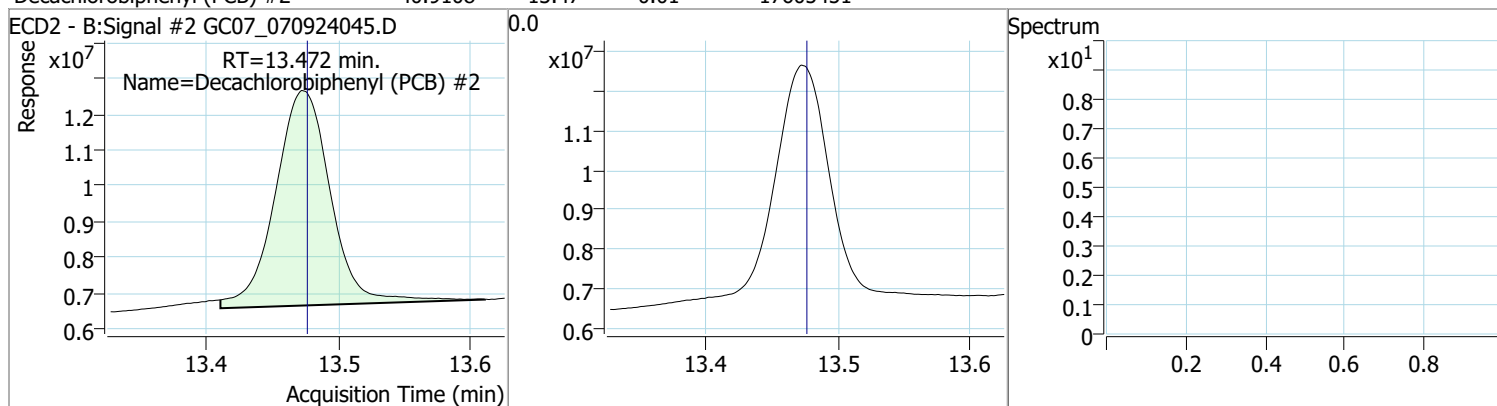
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	66.8394	11.85	0.05	2162287				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.0356	12.14	-0.01	57822225				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.9108	13.47	-0.01	17605451				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 511603-003	Client ID: DOOR-S-15.3GE-DG-6 TO 20-240708-P-LA
Seqnum: 464275615046	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_070924046	Batch: 344625	Time: 09-JUL-2024 22:59
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	17.92	ug/L	ND	0.36	68%	0.50		u
Aroclor-1016 Peak # 1	B	74.67	ug/L	0.75	0.09	158%			
Aroclor-1016 Peak # 2	B	5.103	ug/L	0.05	0.38	152%			
Aroclor-1016 Peak # 3	B	5.991	ug/L	0.06	1.05	178%			
Aroclor-1016 Peak # 4	B	2.434	ug/L	0.02	0.02	23%			
Aroclor-1016 Peak # 5	B	1.423	ug/L	0.01	0.28	181%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	39.66	ug/L	ND	1.7	126%	0.50		u
Aroclor-1260 Peak # 1	B	82.53	ug/L	0.83	4.76	141%			
Aroclor-1260 Peak # 2	B	24.42	ug/L	0.24	0.17	36%			
Aroclor-1260 Peak # 3	B	14.89	ug/L	0.15	1.10	152%			
Aroclor-1260 Peak # 4	B	14.17	ug/L	0.14	2.36	177%			
Aroclor-1260 Peak # 5	B	62.27	ug/L	0.62	0.34	60%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.83	pg/uL	0.5000	0.3983	80	19-121	u
Decachlorobiphenyl (PCB)	B	40.05	pg/uL	0.5000	0.4005	80	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7783583	7.91
1-bromo-2-nitrobenzene (PCB)	A	26536532	21516045	-18.92

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

07/10/24 : WIPE/1S-10ML

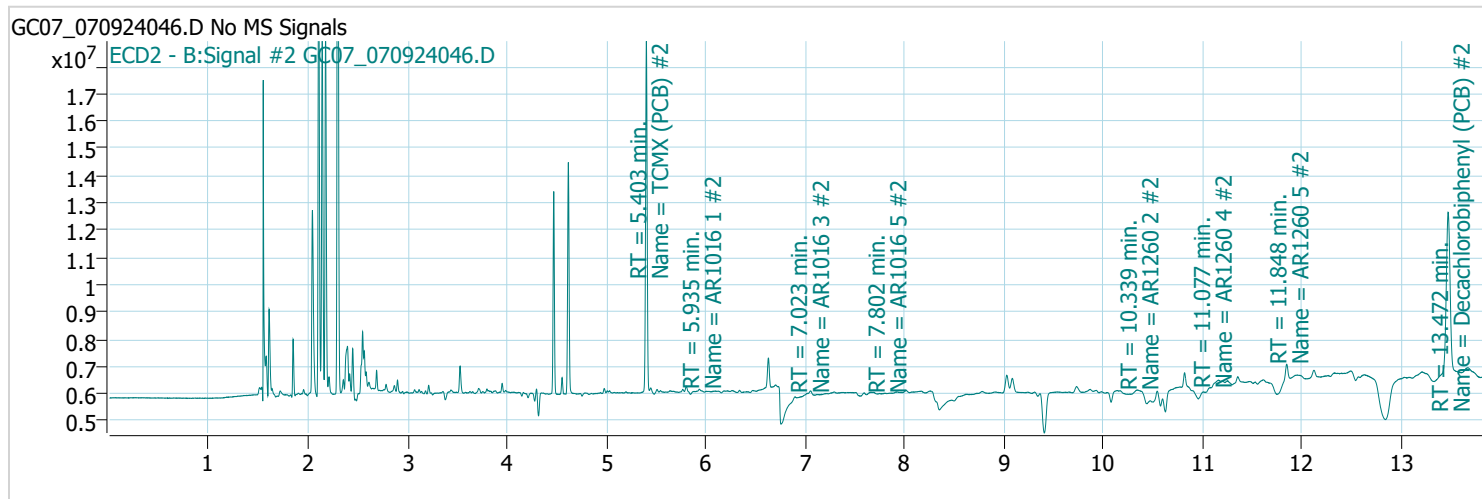
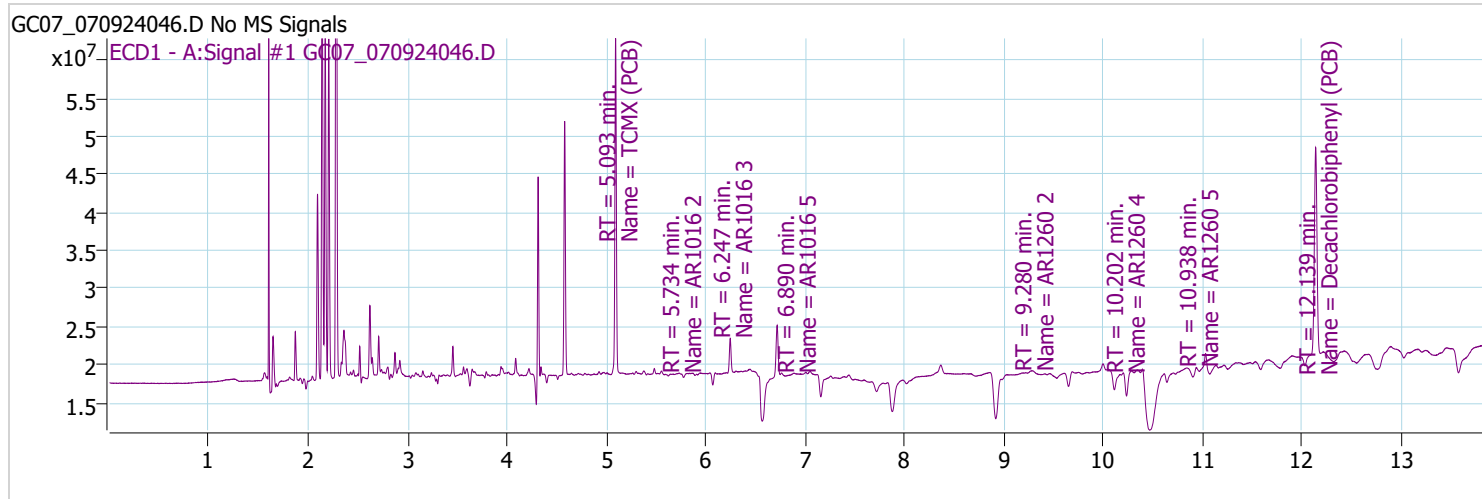
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Analyst: MES 07/10/24

Reviewer: MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924046.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 10:59:22 PM
Sample Name	511603-003, 344625, 1	Instrument	SVOA-GC07
Vial	28	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.314	0.0	21516044.5 10	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	7783582.88 8	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.093	0.0	46439331.1 98	46.0750	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.38%	*	
S TCMX (PCB) #2	5.403	0.0	14869391.1 85	39.8281	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.14%	*	
S Decachlorobiphenyl (PCB)	12.139	0.0	57144654.9 89	48.1716	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 240.86%	*	
S Decachlorobiphenyl (PCB) #2	13.472	0.0	17030873.7 10	40.0521	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.26%	*	

Target Compounds

QValue

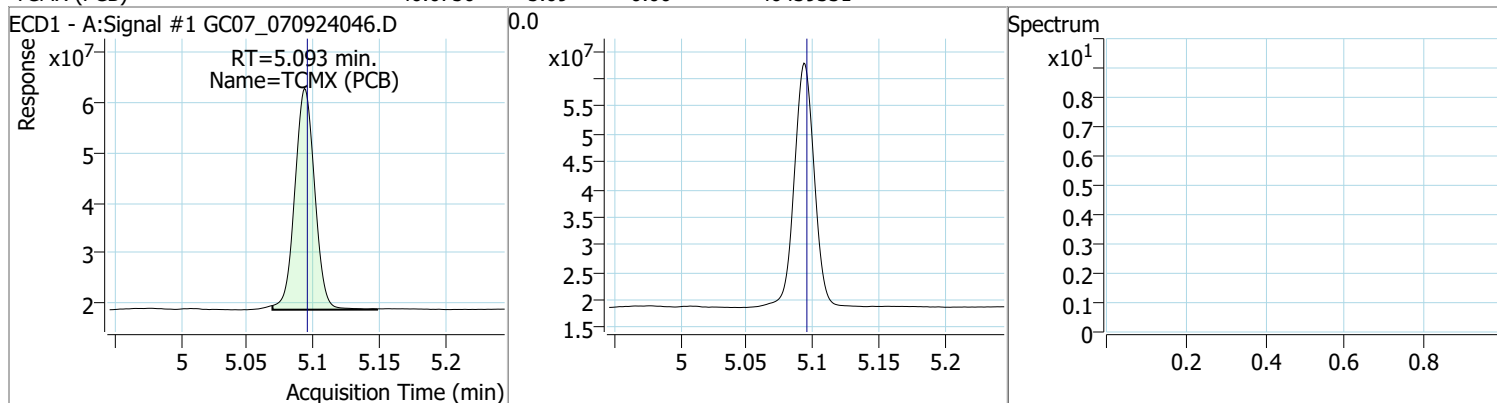
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.418	0.0	164524.205	8.7480	ng/ml	100
T AR1016 2	5.734	0.0	1473237.33 1	37.7076	ng/ml	100
T AR1016 1 #2	5.935	0.0	613686.010	74.6729	ng/ml	100
T AR1016 3	6.247	0.0	5552538.40 6	105.3045	ng/ml	100
T AR1016 2 #2	6.338	0.0	86651.932	5.1033	ng/ml	100
T AR1016 4	6.402	0.0	63309.538	1.9365	ng/ml	100
T AR1016 5	6.890	0.0	798867.854	27.7994	ng/ml	100
T AR1016 3 #2	7.023	0.0	126873.569	5.9911	ng/ml	100
T AR1016 4 #2	7.124	0.0	38105.822	2.4341	ng/ml	100
T AR1016 5 #2	7.802	0.0	18015.284	1.4229	ng/ml	100
T AR1260 1	8.850	0.0	27432507.9 46	475.9726	ng/ml	100
T AR1260 2	9.280	0.0	1486646.80 7	16.8890	ng/ml	100
T AR1260 3	9.690	0.0	10372462.5 12	109.5181	ng/ml	100
T AR1260 1 #2	9.932	0.0	1858416.20 8	82.5282	ng/ml	100
T AR1260 4	10.202	0.0	12910781.4 79	235.7912	ng/ml	100
T AR1260 2 #2	10.339	0.0	690724.272	24.4164	ng/ml	100
T AR1260 3 #2	10.598	0.0	507170.150	14.8941	ng/ml	100
T AR1260 5	10.938	0.0	2208872.68 5	33.6887	ng/ml	100
T AR1260 4 #2	11.077	0.0	305198.950	14.1743	ng/ml	100
T AR1260 5 #2	11.848	0.0	1990616.27 7	62.2736	ng/ml	100

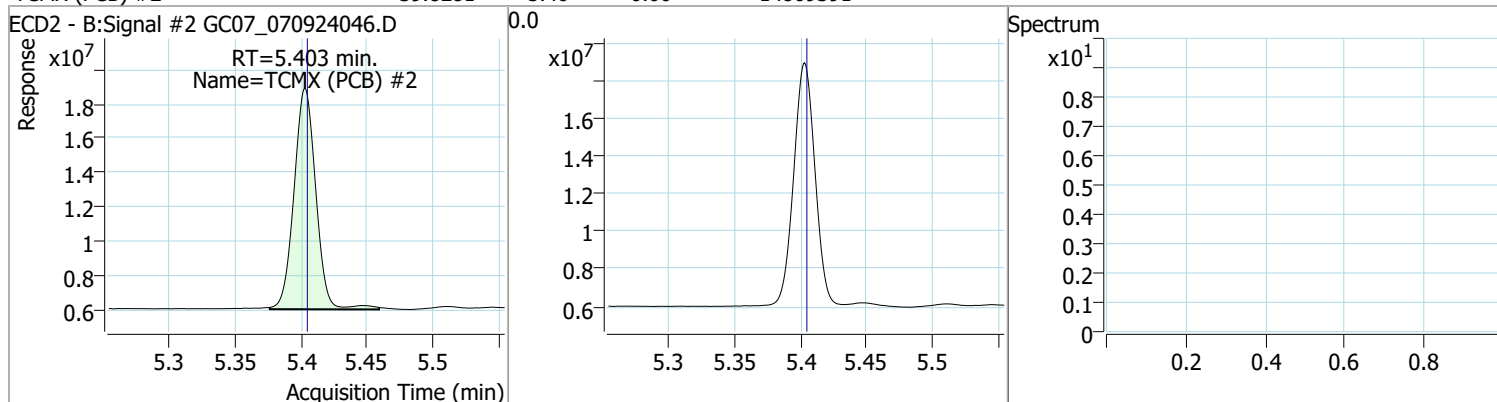
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

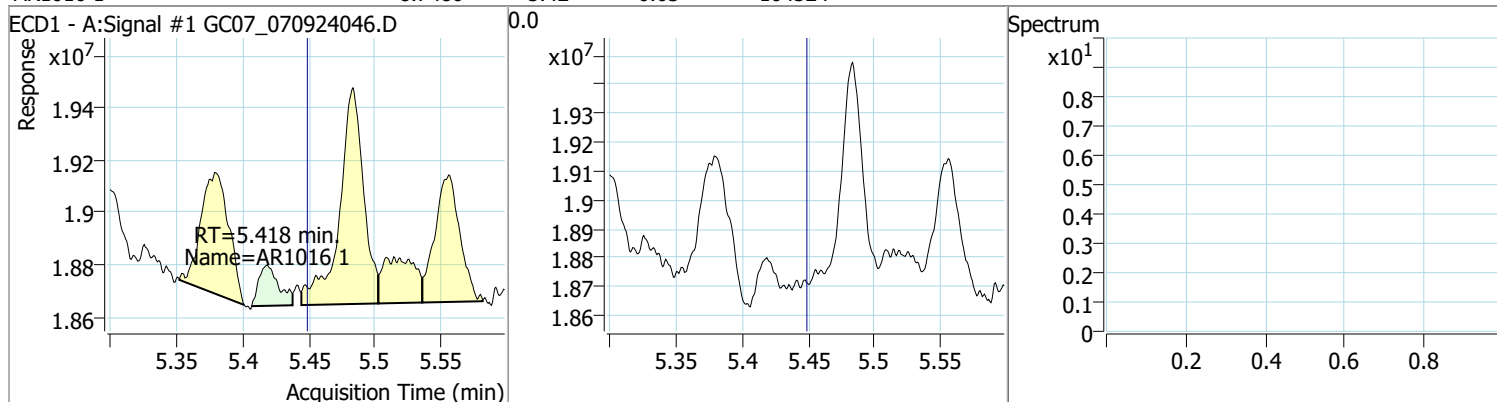
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.0750	5.09	0.00	46439331				



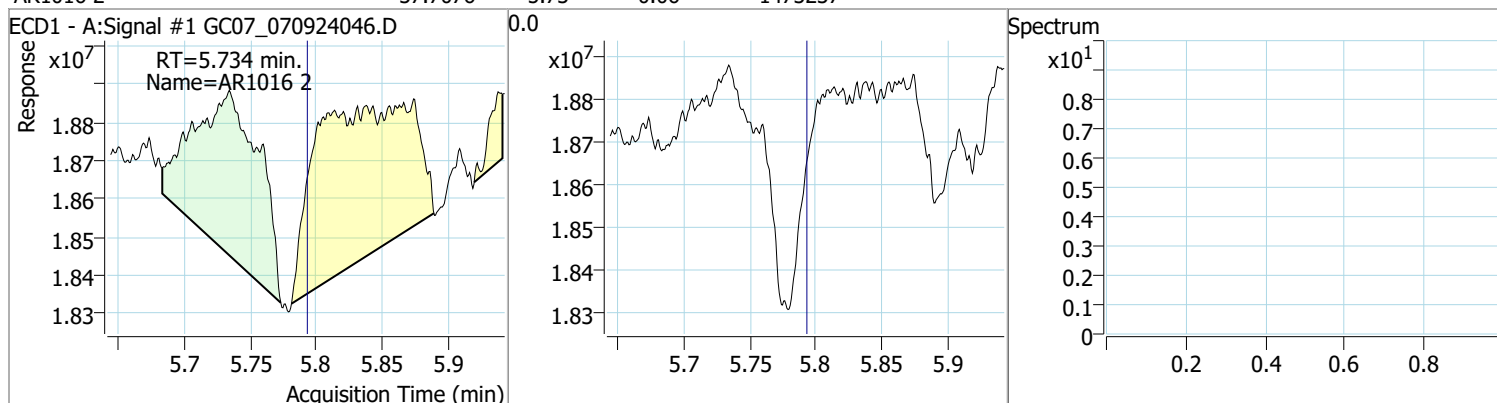
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.8281	5.40	0.00	14869391				



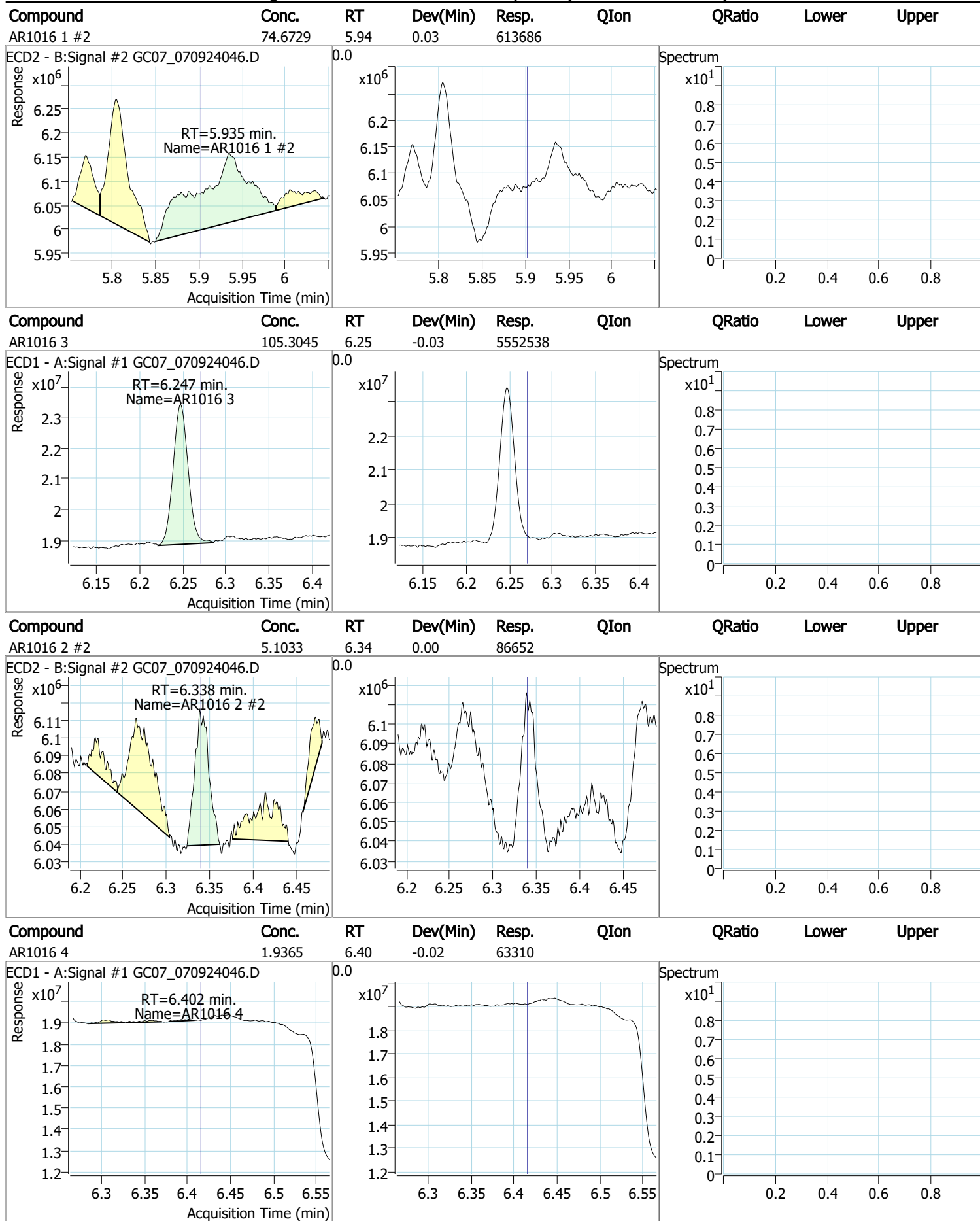
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	8.7480	5.42	-0.03	164524				



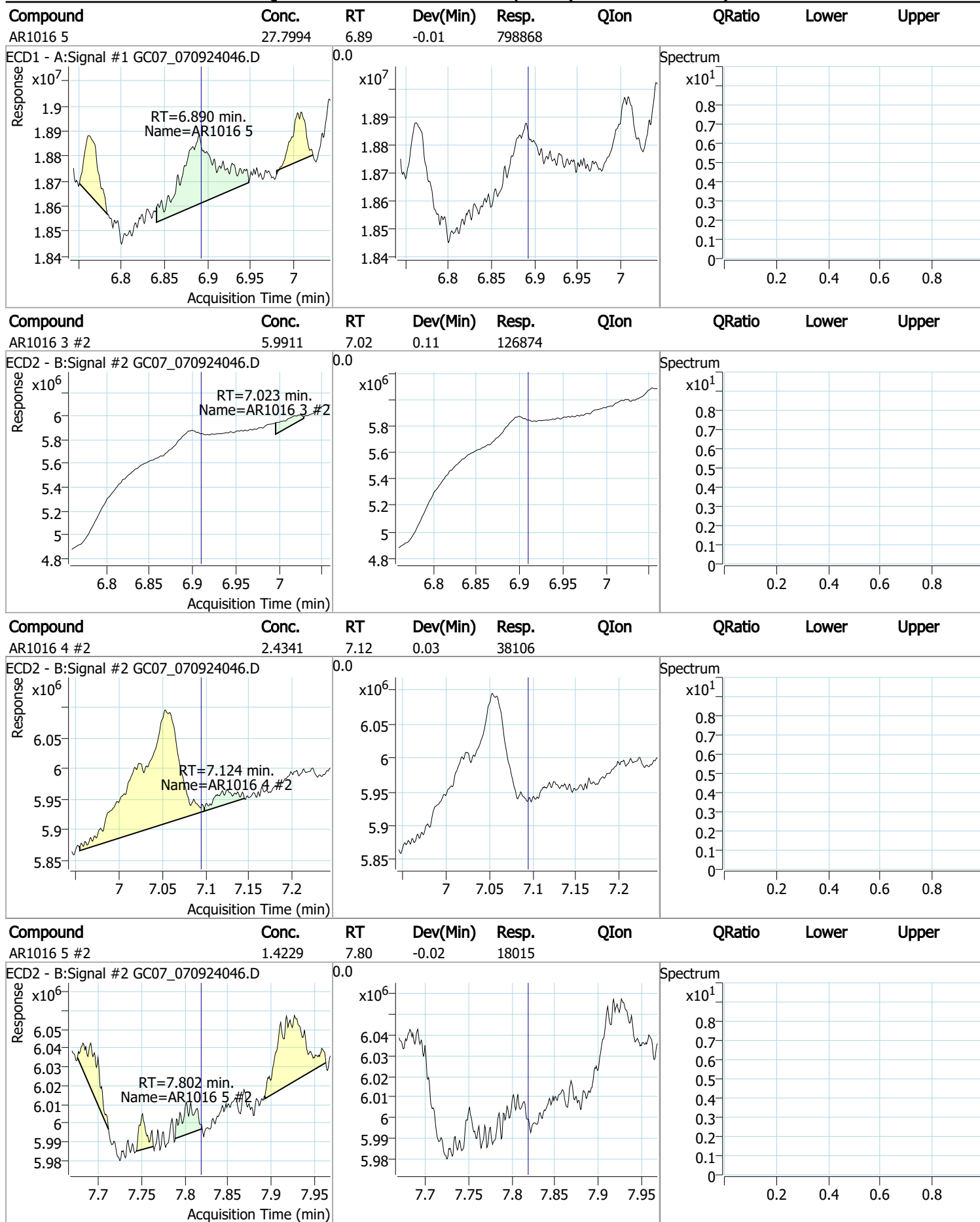
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	37.7076	5.73	-0.06	1473237				



Quantitation Results Report (Not Reviewed)

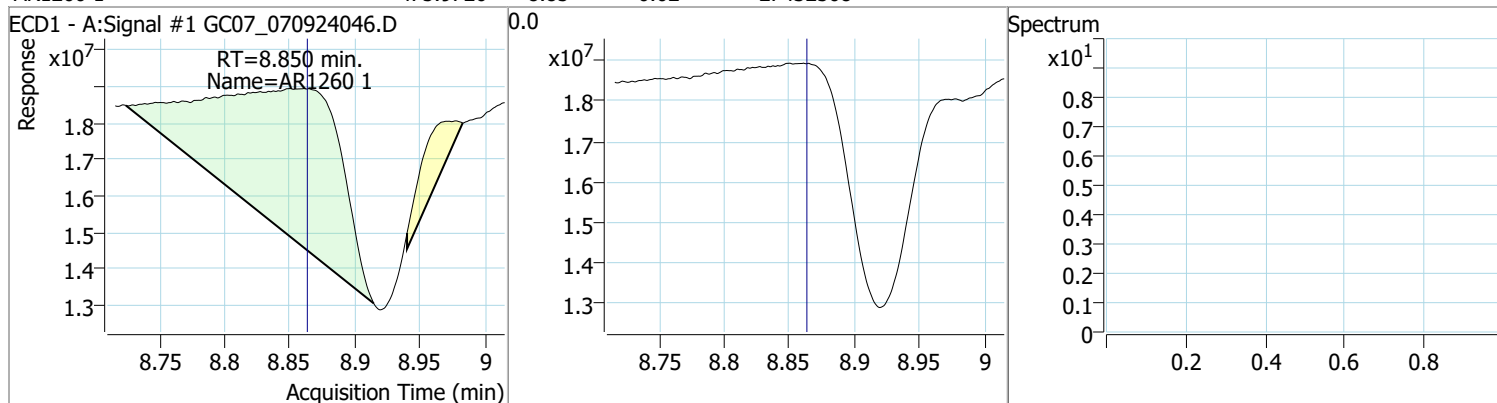


Quantitation Results Report (Not Reviewed)

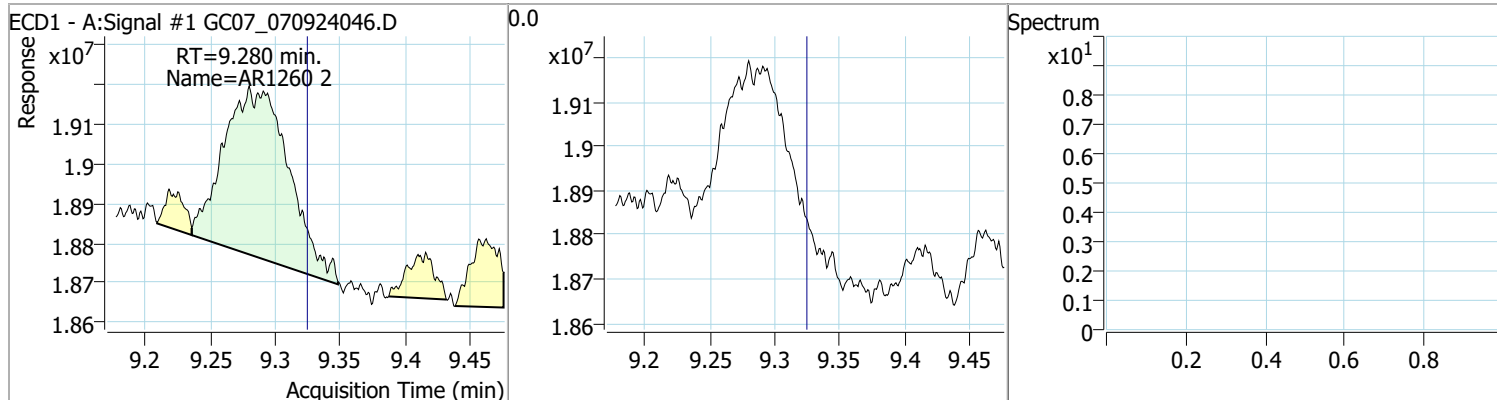


Quantitation Results Report (Not Reviewed)

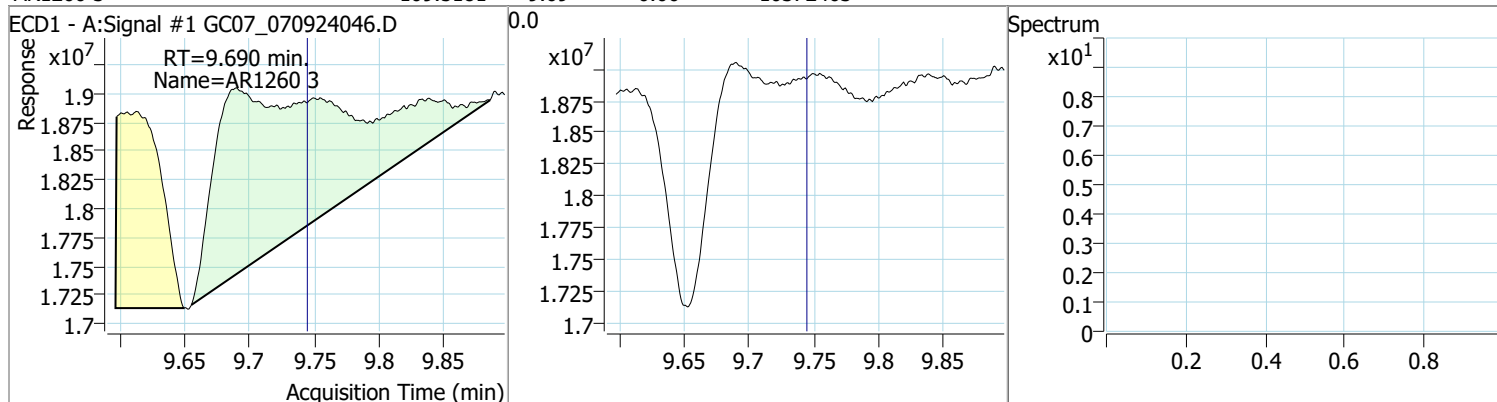
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	475.9726	8.85	-0.02	27432508				



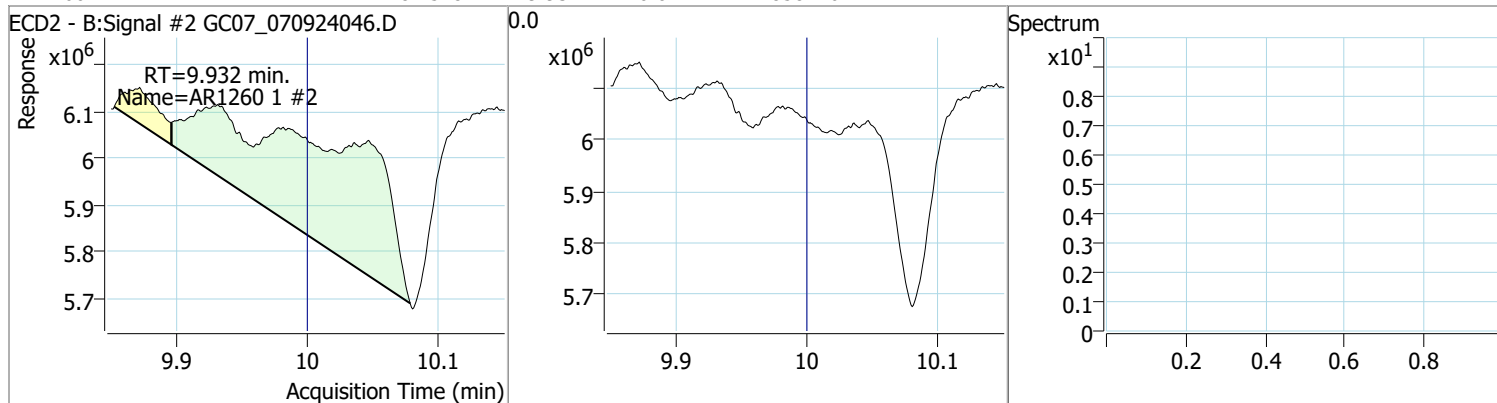
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	16.8890	9.28	-0.05	1486647				



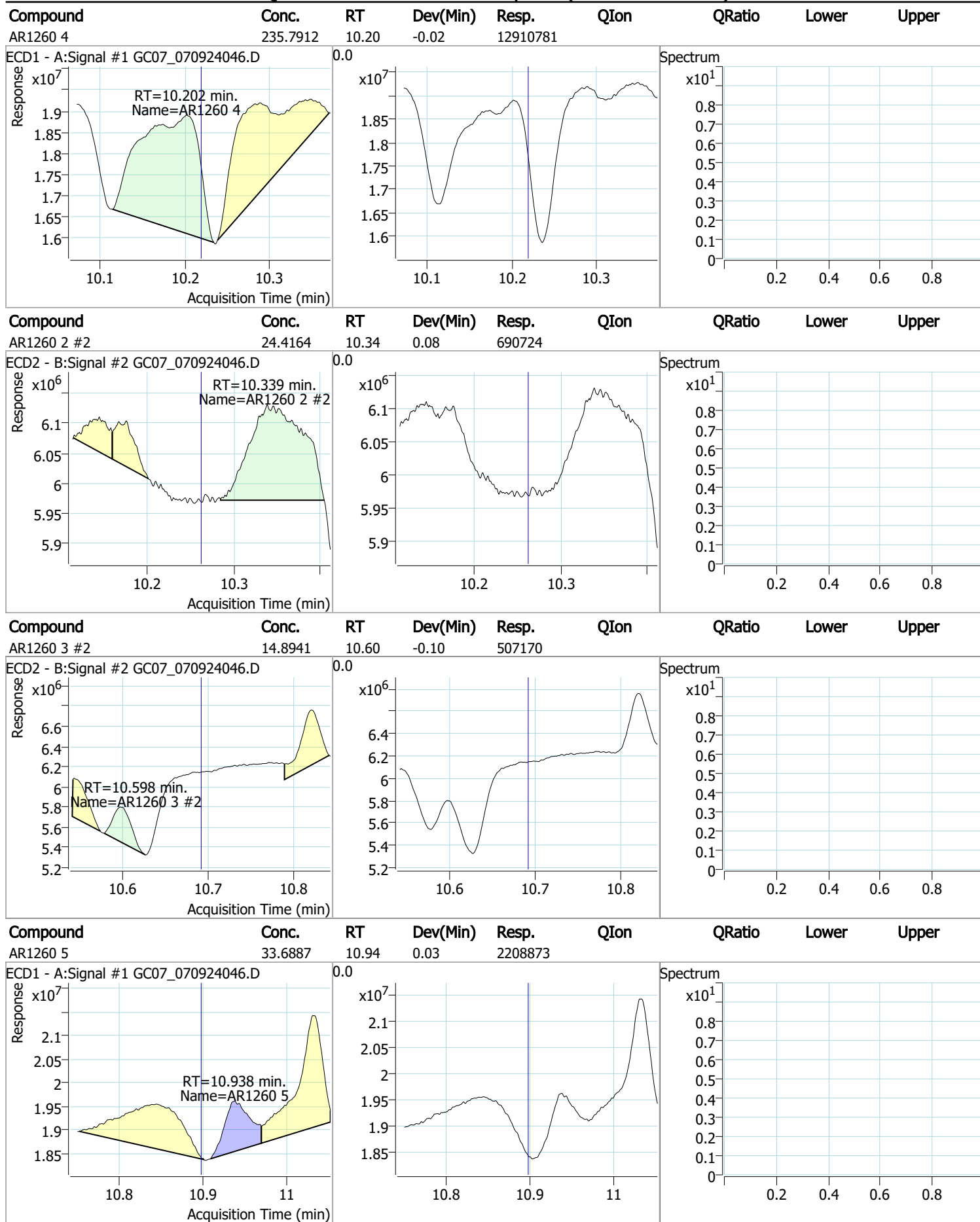
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	109.5181	9.69	-0.06	10372463				



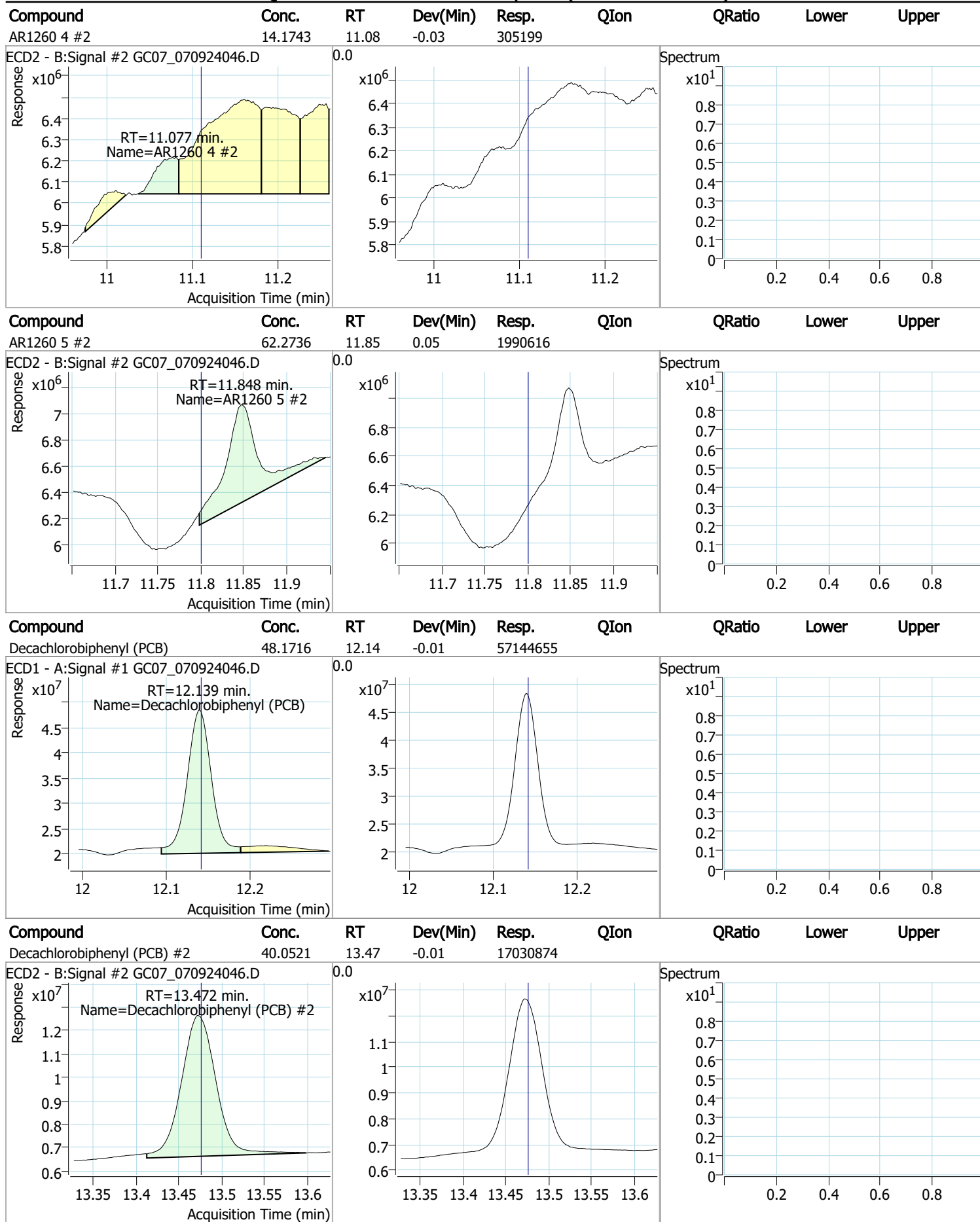
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	82.5282	9.93	-0.07	1858416				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 511603-004	Client ID: DOOR-S-15.1GE-EXT-5 TO 6-240708-P-CB
Seqnum: 464275615047	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_070924047	Batch: 344625	Time: 09-JUL-2024 23:16
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	16.76	ug/L	ND	1.2	151%	0.50		u
Aroclor-1016 Peak # 1	B	73.29	ug/L	0.73	0.06	170%			
Aroclor-1016 Peak # 2	B	3.522	ug/L	0.04	0.45	171%			
Aroclor-1016 Peak # 3	B	0	ug/L	ND	1.30				
Aroclor-1016 Peak # 4	B	4.139	ug/L	0.04	3.90	196%			
Aroclor-1016 Peak # 5	B	2.831	ug/L	0.03	0.35	170%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	149.4	ug/L	1.5 FP	1.4	4%	0.50		x u
Aroclor-1260 Peak # 1	B	68.56	ug/L	0.69	3.73	138%			
Aroclor-1260 Peak # 2	B	4.096	ug/L	0.04	0.14	111%			
Aroclor-1260 Peak # 3	B	485.4	ug/L	4.85	0.89	138%			
Aroclor-1260 Peak # 4	B	133.2	ug/L	1.33	2.01	41%			
Aroclor-1260 Peak # 5	B	55.47	ug/L	0.55	0.44	23%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	40.96	pg/uL	0.5000	0.4096	82	19-121	u
Decachlorobiphenyl (PCB)	B	41.08	pg/uL	0.5000	0.4108	82	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	8576328	18.90
1-bromo-2-nitrobenzene (PCB)	A	26536532	28666456	8.03

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

07/10/24 : WIPE/1S-10ML

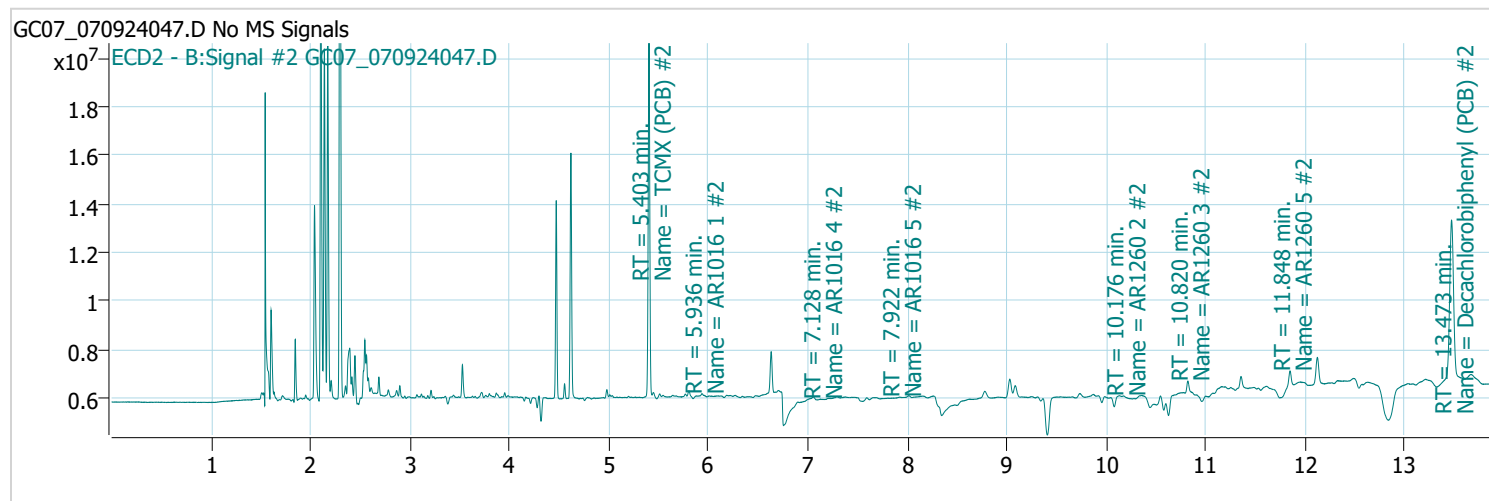
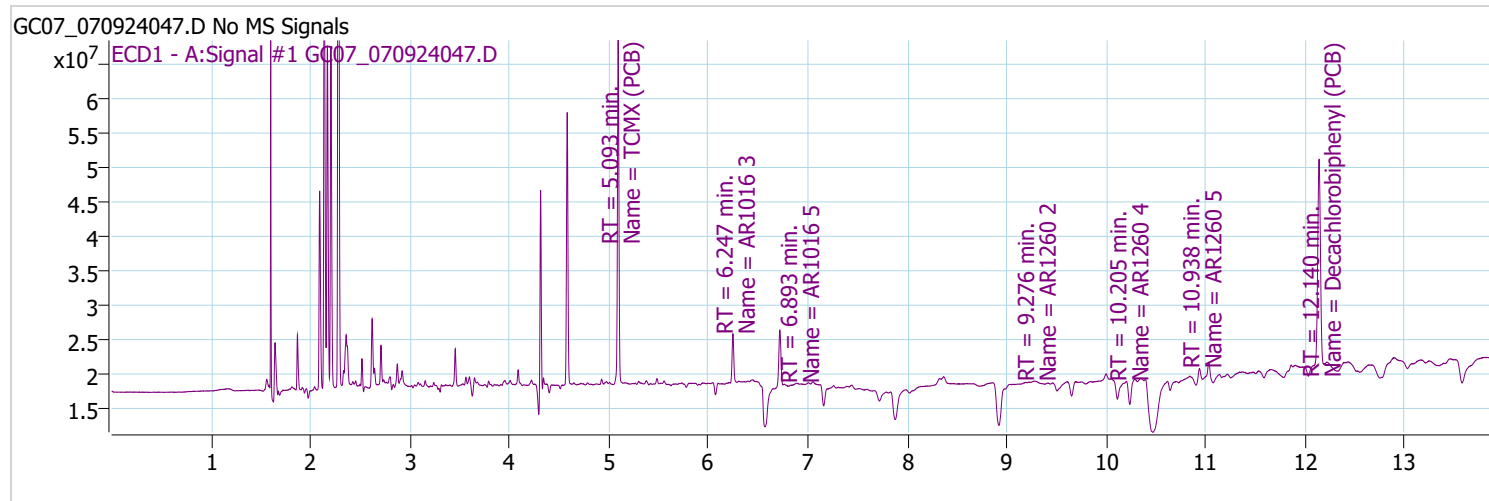
u=use x=false positive

Analyst: MES 07/10/24

Reviewer: MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924047.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 11:16:53 PM
Sample Name	511603-004, 344625, 1	Instrument	SVOA-GC07
Vial	29	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.314	0.0	28666455.951	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	8576328.030	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.093	0.0	52556111.513	39.1373	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.69%	*	
S TCMX (PCB) #2	5.403	0.0	16848638.247	40.9580	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.79%	*	
S Decachlorobiphenyl (PCB)	12.140	0.0	63741629.104	40.3299	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.65%	*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	19244972.238	41.0756	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 205.38%	*	

Target Compounds

QValue

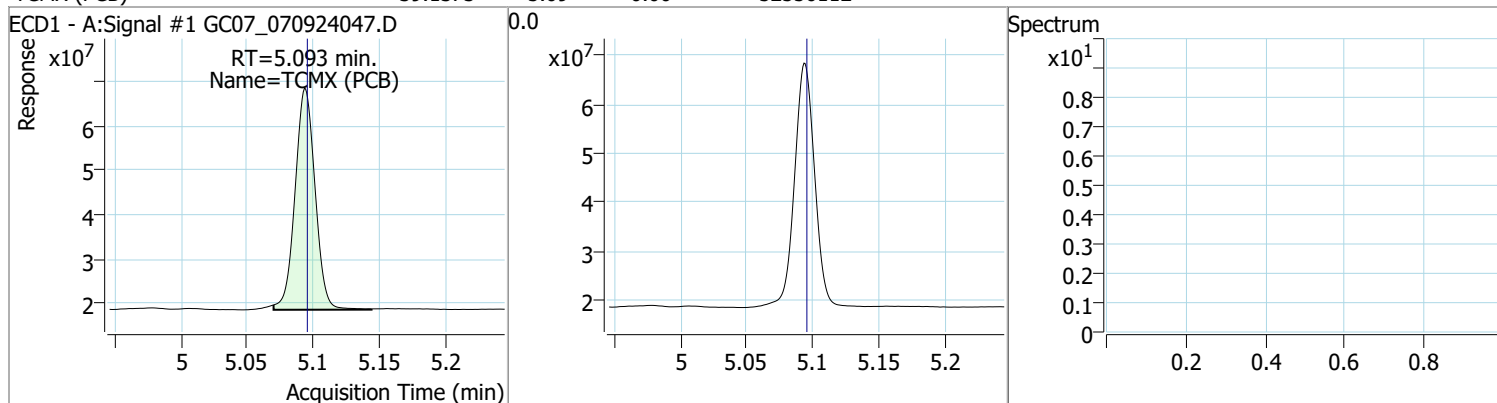
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.421	0.0	150714.850	6.0148	ng/ml	100
T AR1016 2	5.838	0.0	2333789.360	44.8338	ng/ml	100
T AR1016 1 #2	5.936	0.0	663664.318	73.2898	ng/ml	100
T AR1016 3	6.247	0.0	8846164.558	130.1109	ng/ml	100
T AR1016 2 #2	6.344	0.0	65888.667	3.5218	ng/ml	100
T AR1016 4	6.448	0.0	16977452.160	389.7746	ng/ml	100
T AR1016 5	6.893	0.0	1330696.835	34.7559	ng/ml	100
T AR1016 3 #2	0.000		0	N.D.		
T AR1016 4 #2	7.128	0.0	71394.771	4.1390	ng/ml	100
T AR1016 5 #2	7.922	0.0	39496.326	2.8311	ng/ml	100
T AR1260 1	8.851	0.0	28616459.573	372.6669	ng/ml	100
T AR1260 2	9.276	0.0	1674070.545	14.2744	ng/ml	100
T AR1260 3	9.843	0.0	11203369.504	88.7853	ng/ml	100
T AR1260 1 #2	9.985	0.0	1701191.188	68.5631	ng/ml	100
T AR1260 4	10.205	0.0	14666197.012	201.0393	ng/ml	100
T AR1260 2 #2	10.176	0.0	127671.569	4.0959	ng/ml	100
T AR1260 3 #2	10.820	0.0	18212842.435	485.4181	ng/ml	100
T AR1260 5	10.938	0.0	3831266.581	43.8575	ng/ml	100
T AR1260 4 #2	11.168	0.0	3160504.880	133.2154	ng/ml	100
T AR1260 5 #2	11.848	0.0	1953633.589	55.4674	ng/ml	100

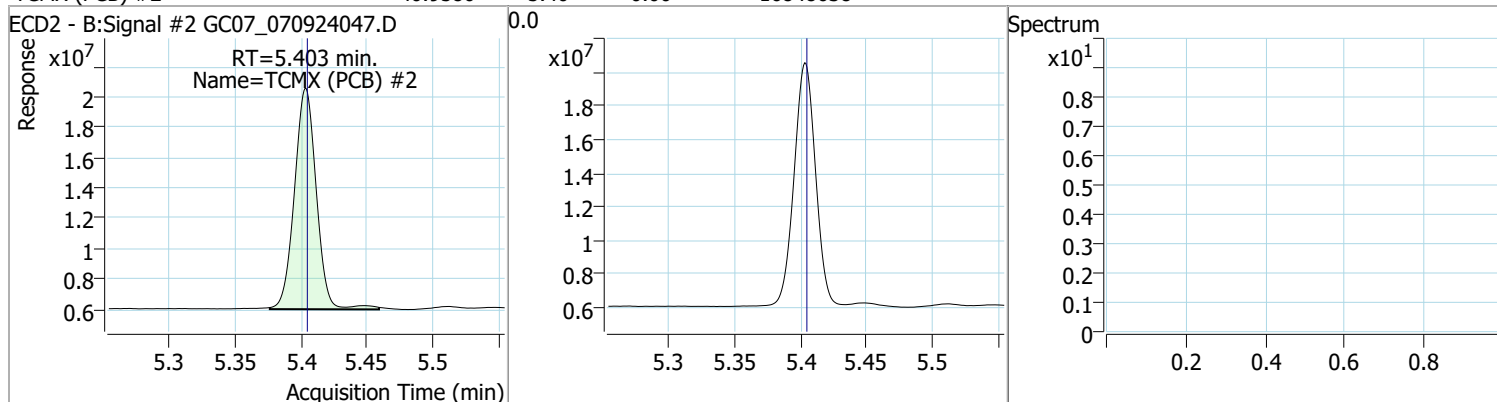
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

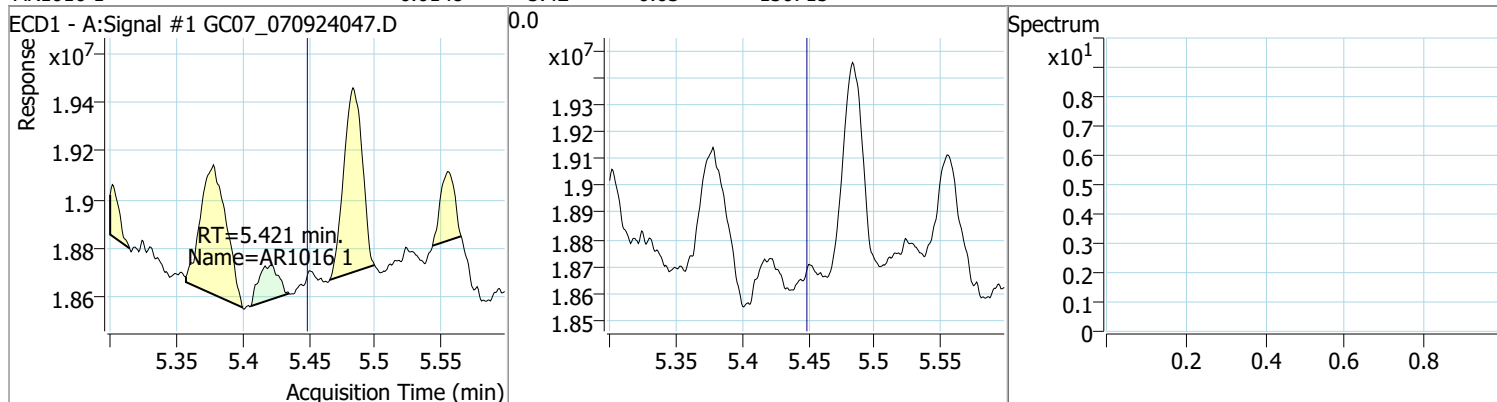
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.1373	5.09	0.00	52556112				



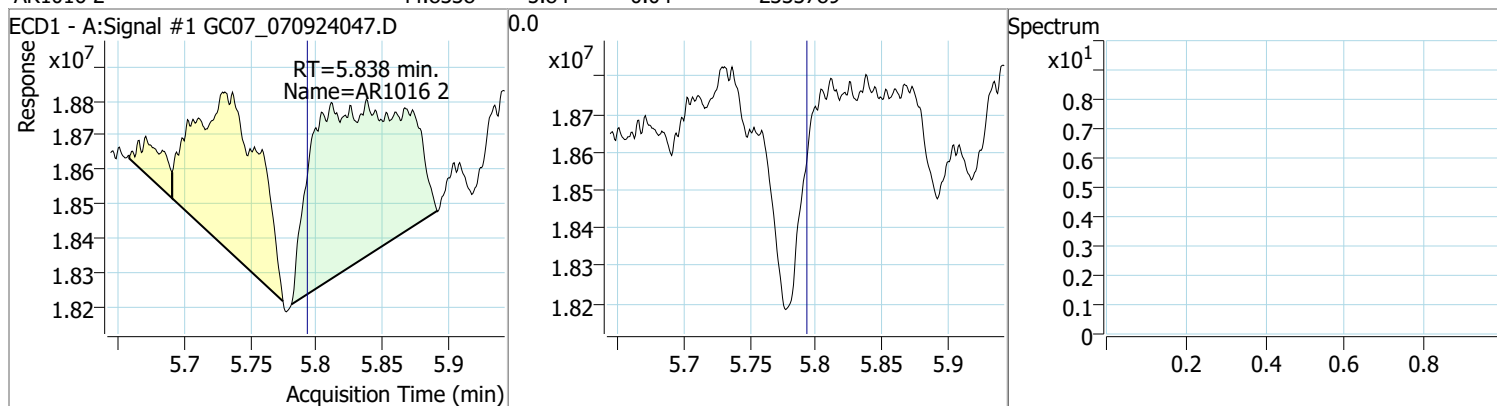
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.9580	5.40	0.00	16848638				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	6.0148	5.42	-0.03	150715				

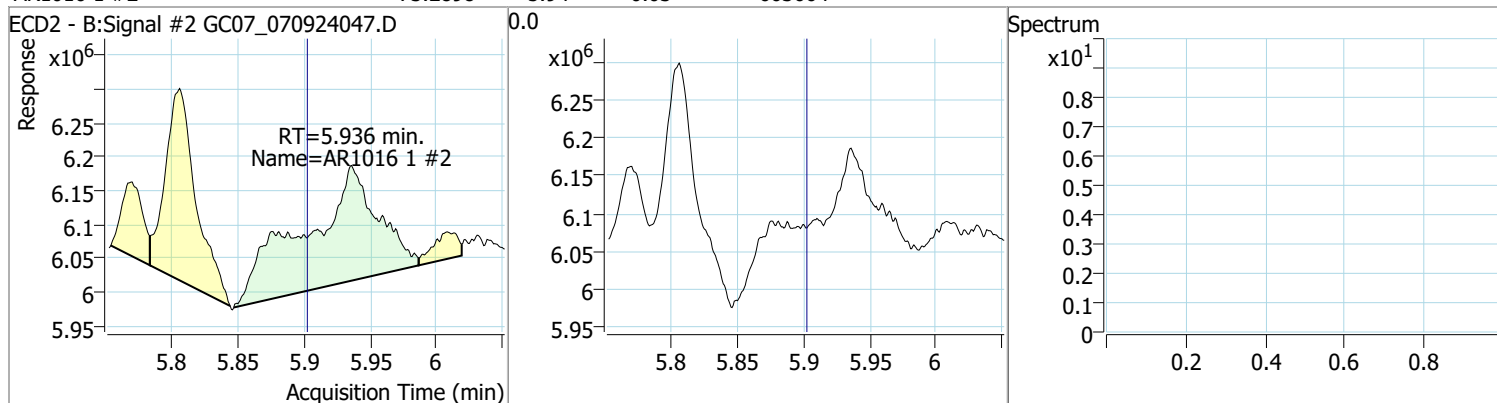


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	44.8338	5.84	0.04	2333789				

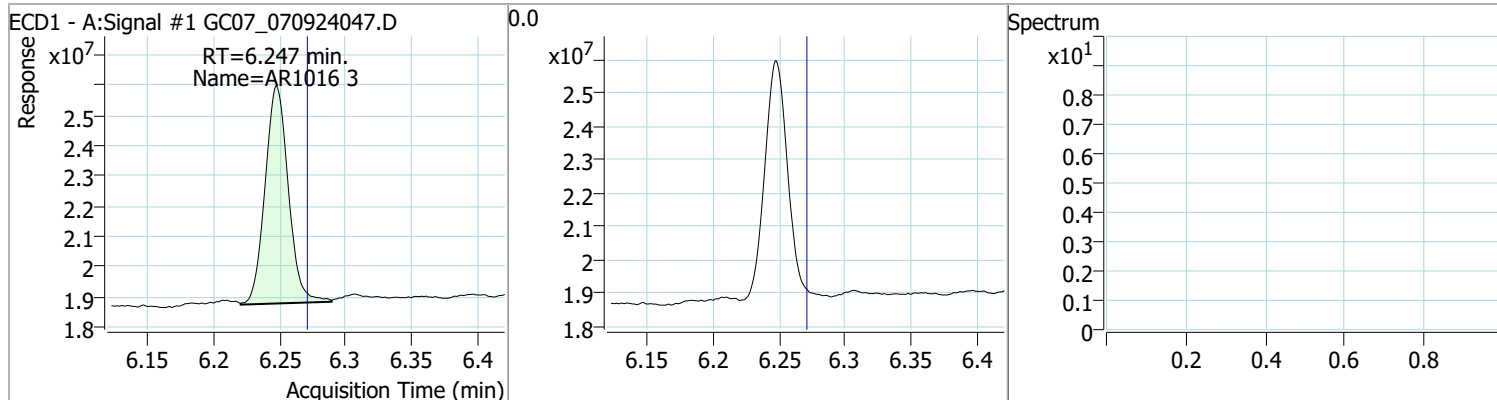


Quantitation Results Report (Not Reviewed)

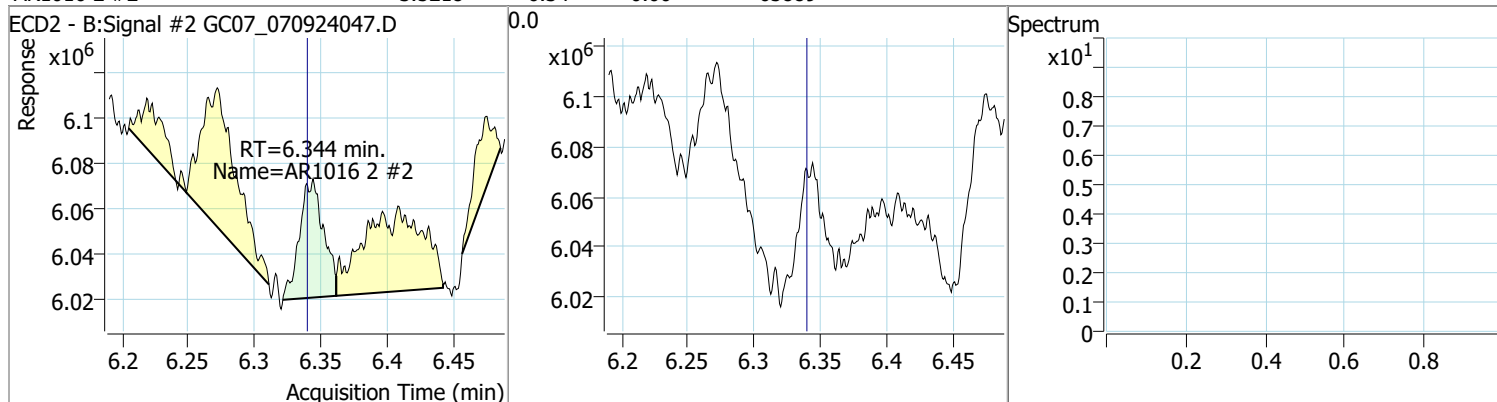
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	73.2898	5.94	0.03	663664				



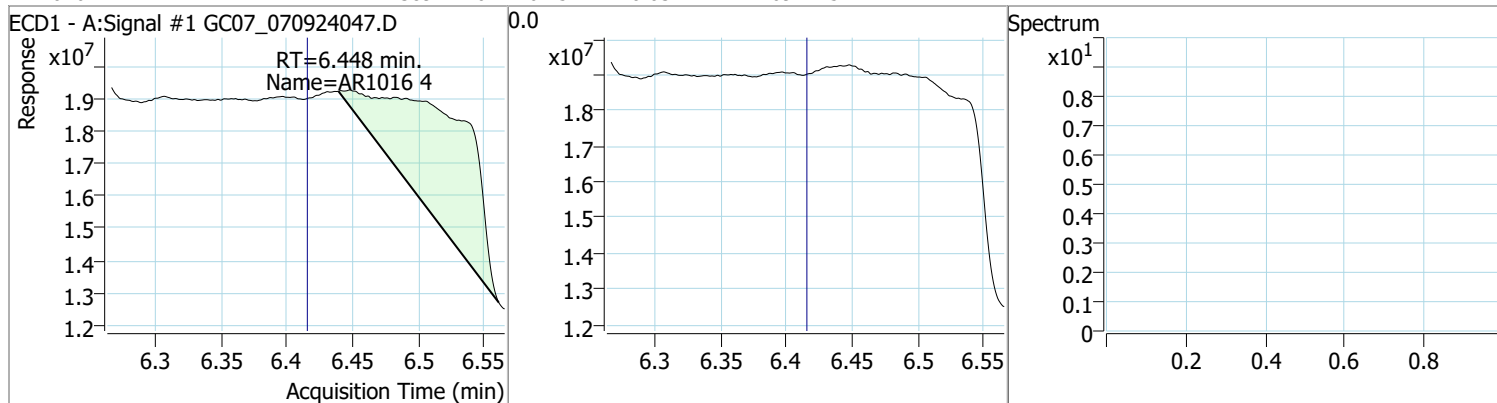
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	130.1109	6.25	-0.03	8846165				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.5218	6.34	0.00	65889				

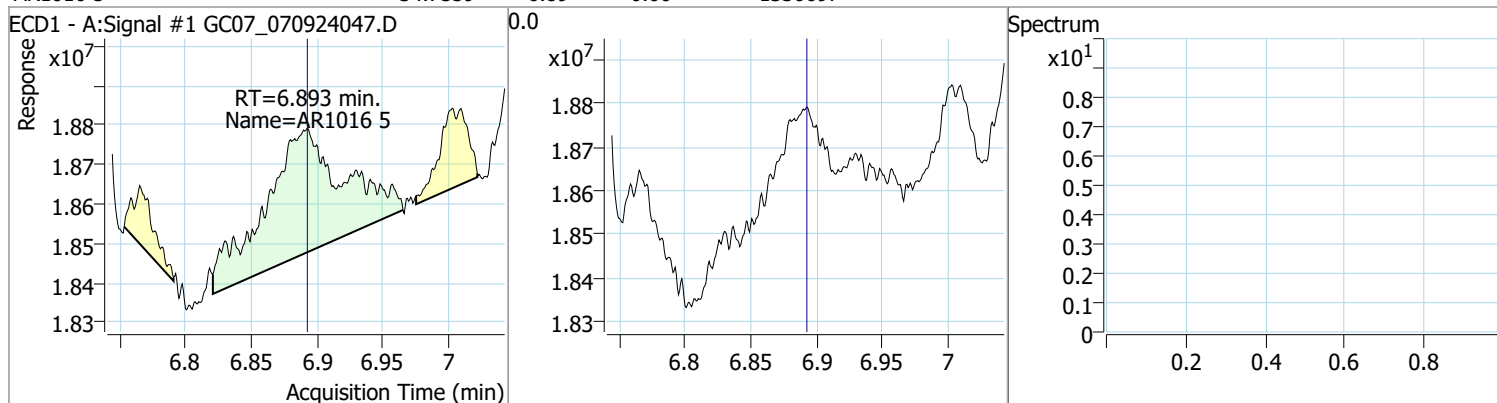


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	389.7746	6.45	0.03	16977452				

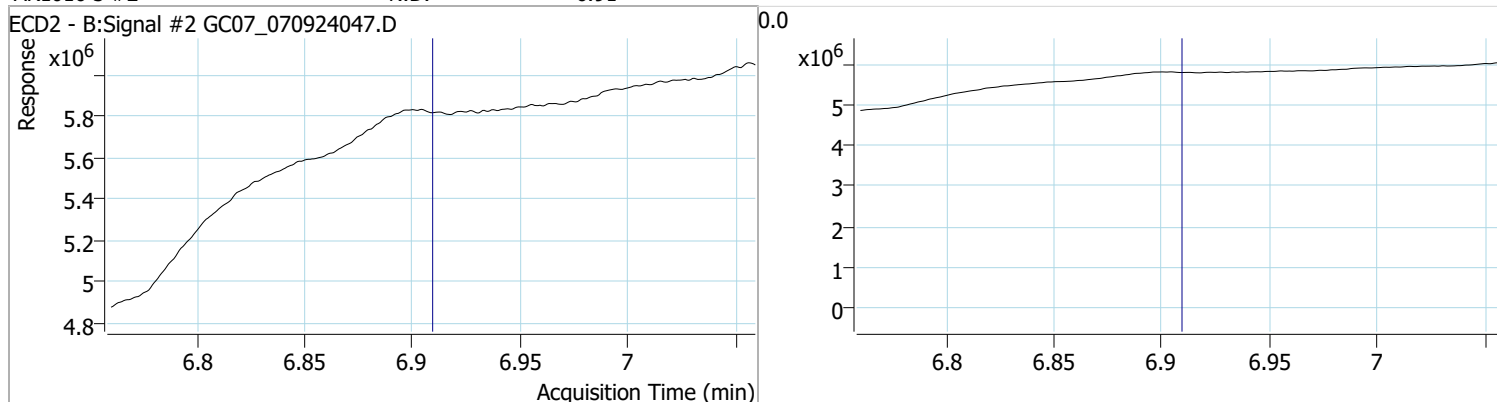


Quantitation Results Report (Not Reviewed)

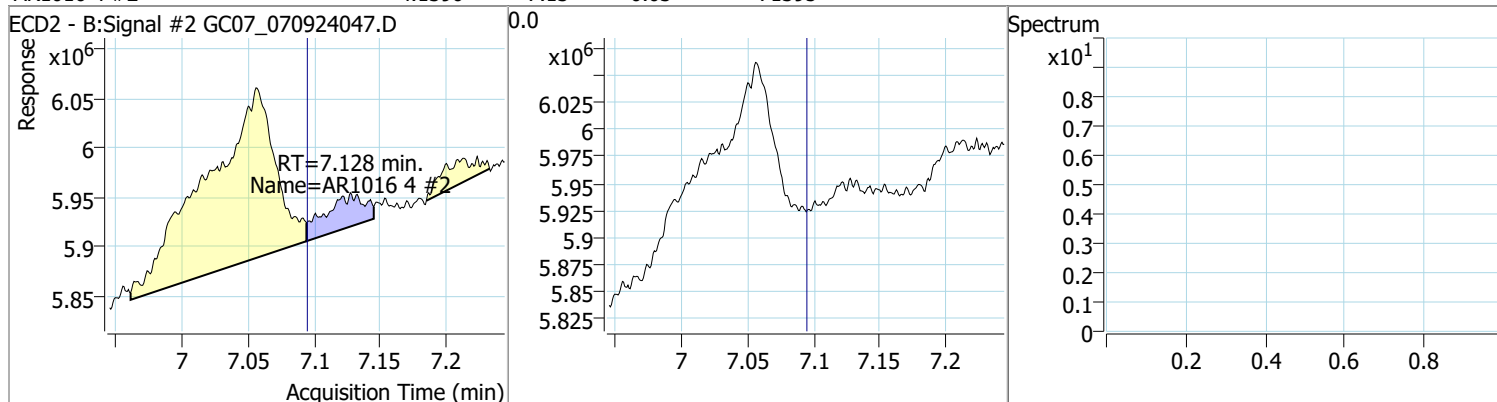
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	34.7559	6.89	0.00	1330697				



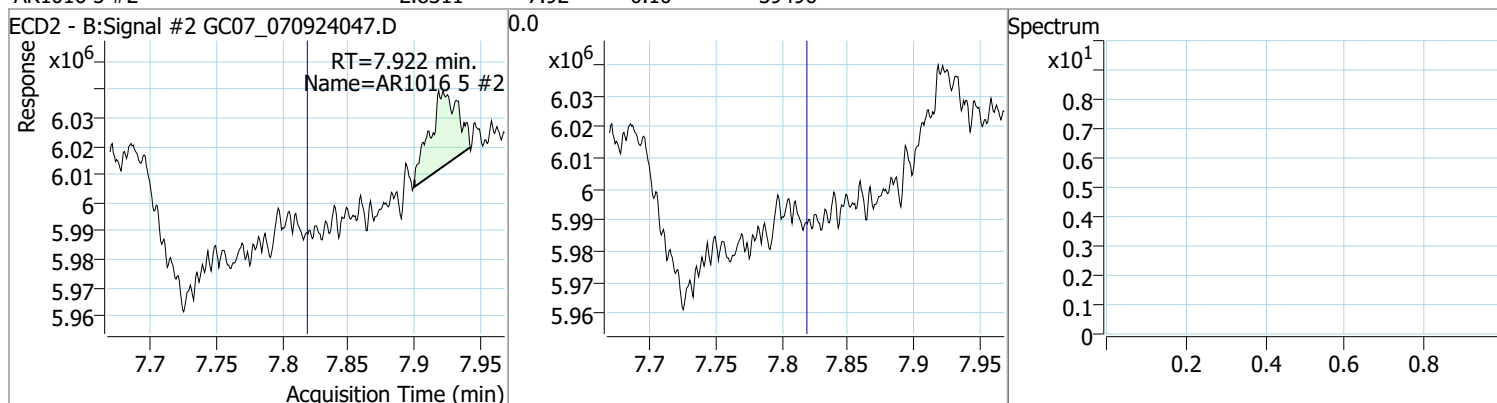
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 3 #2	N.D.	6.91		



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.1390	7.13	0.03	71395				

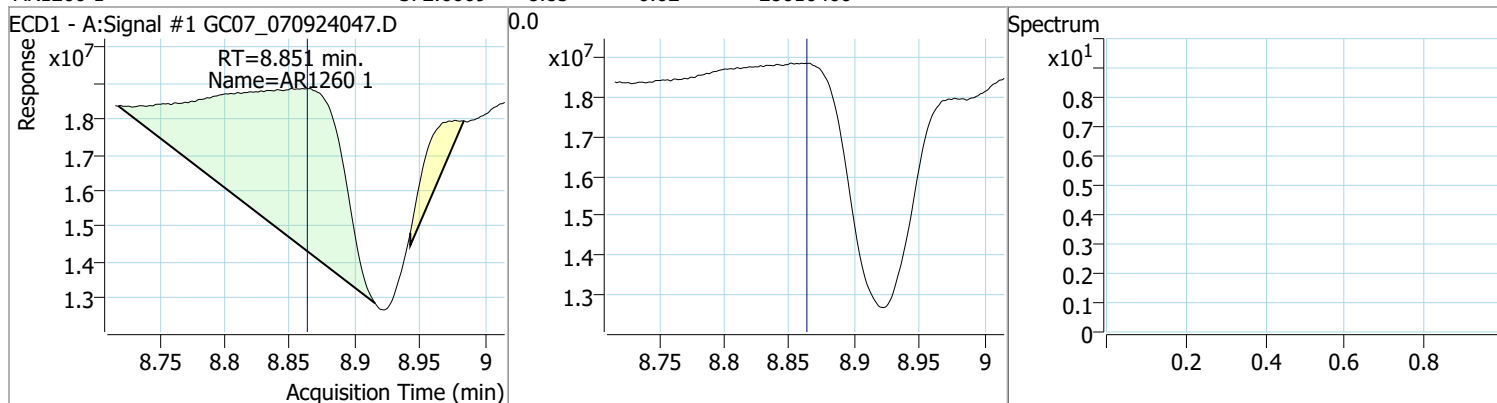


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.8311	7.92	0.10	39496				

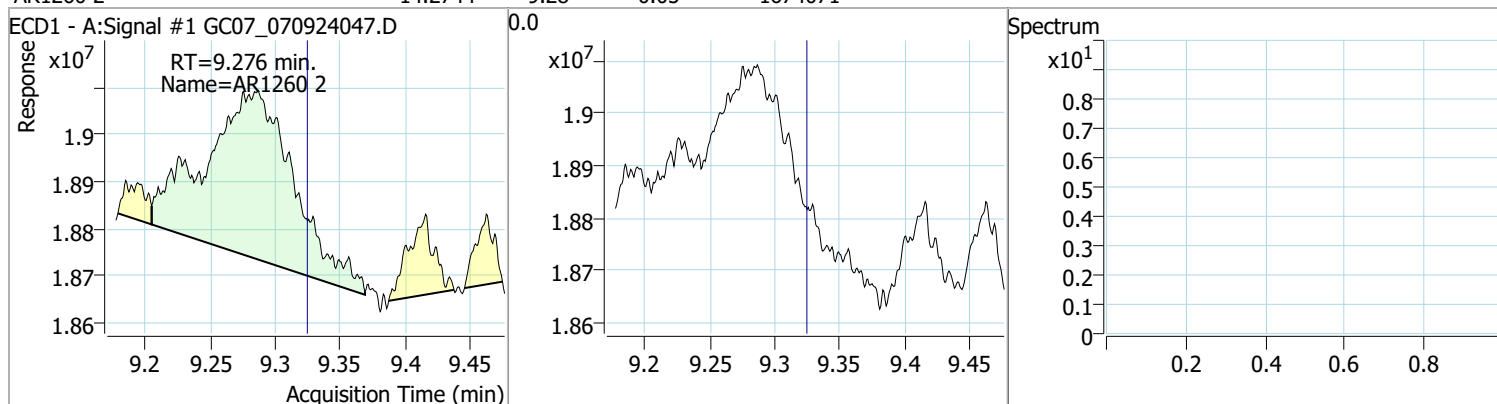


Quantitation Results Report (Not Reviewed)

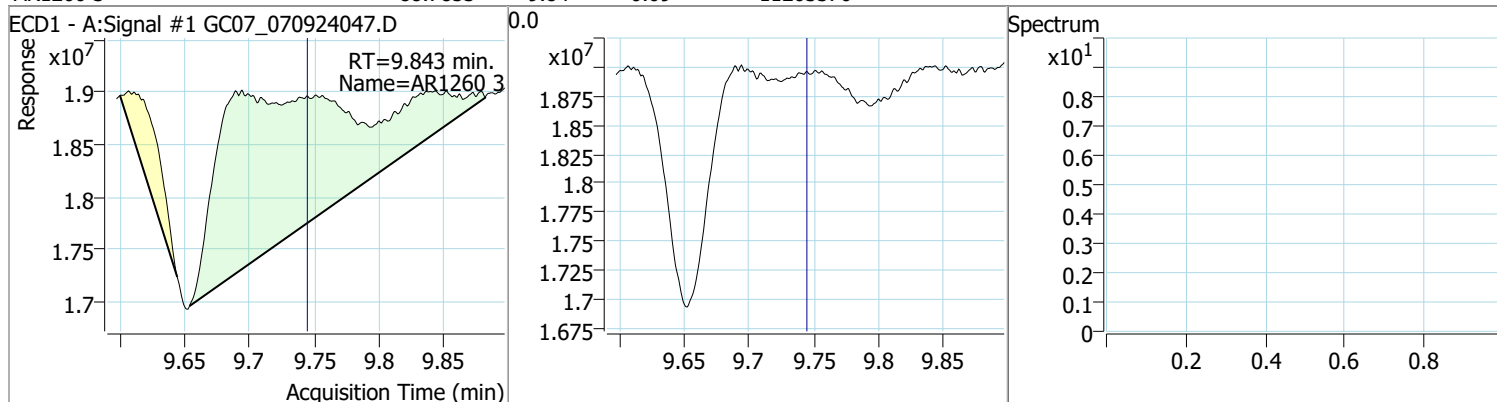
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	372.6669	8.85	-0.02	28616460				



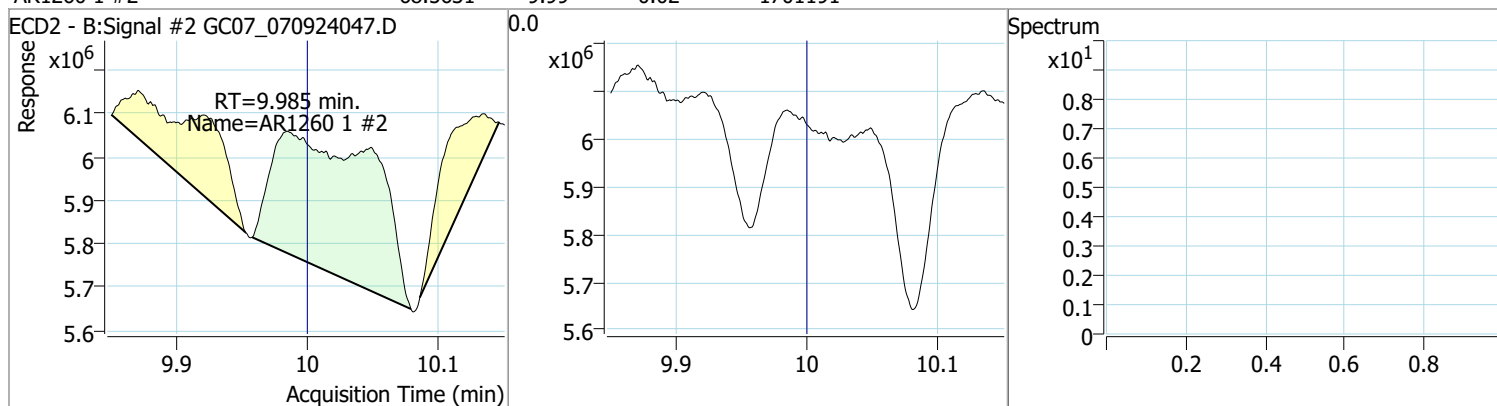
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	14.2744	9.28	-0.05	1674071				



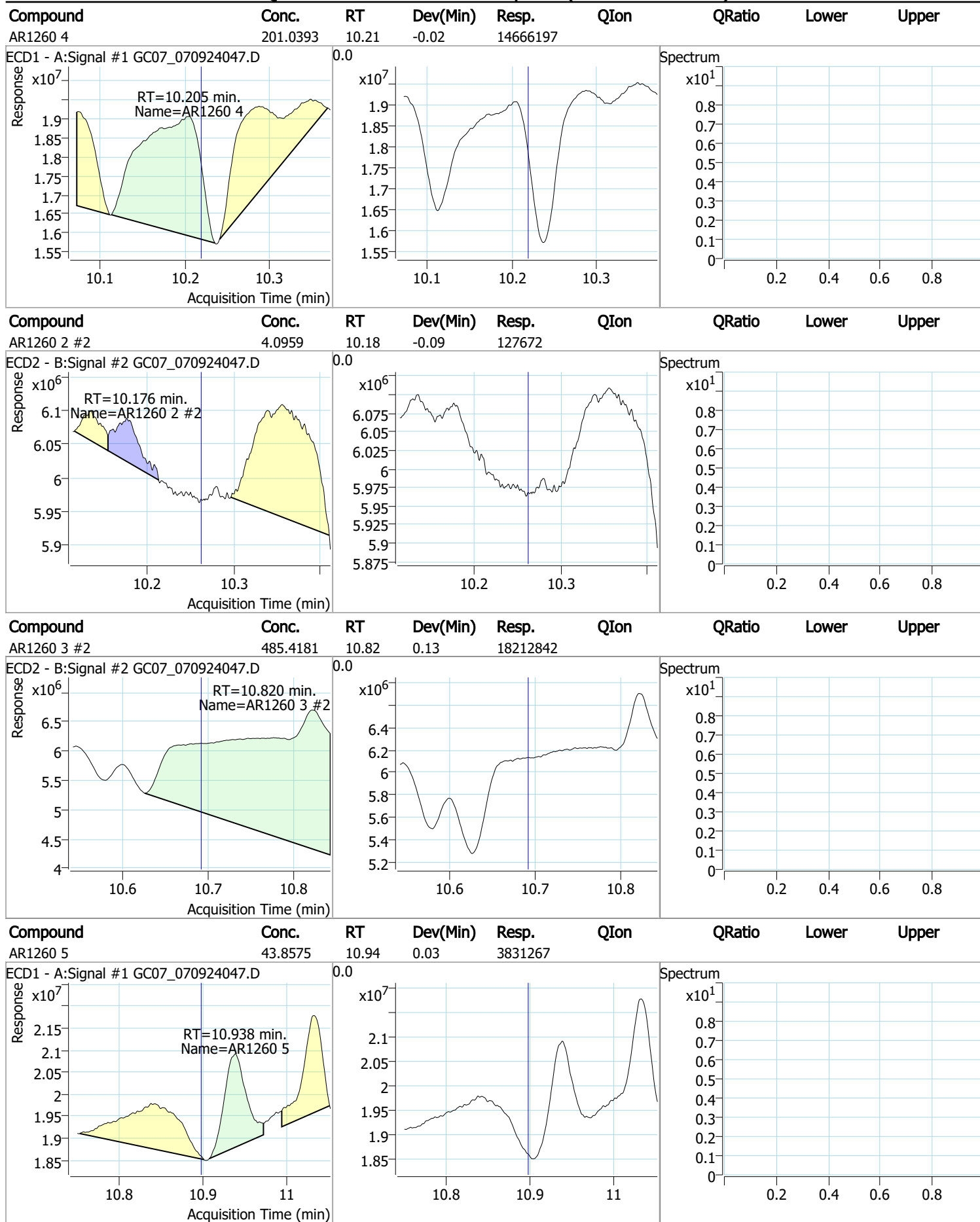
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	88.7853	9.84	0.09	11203370				



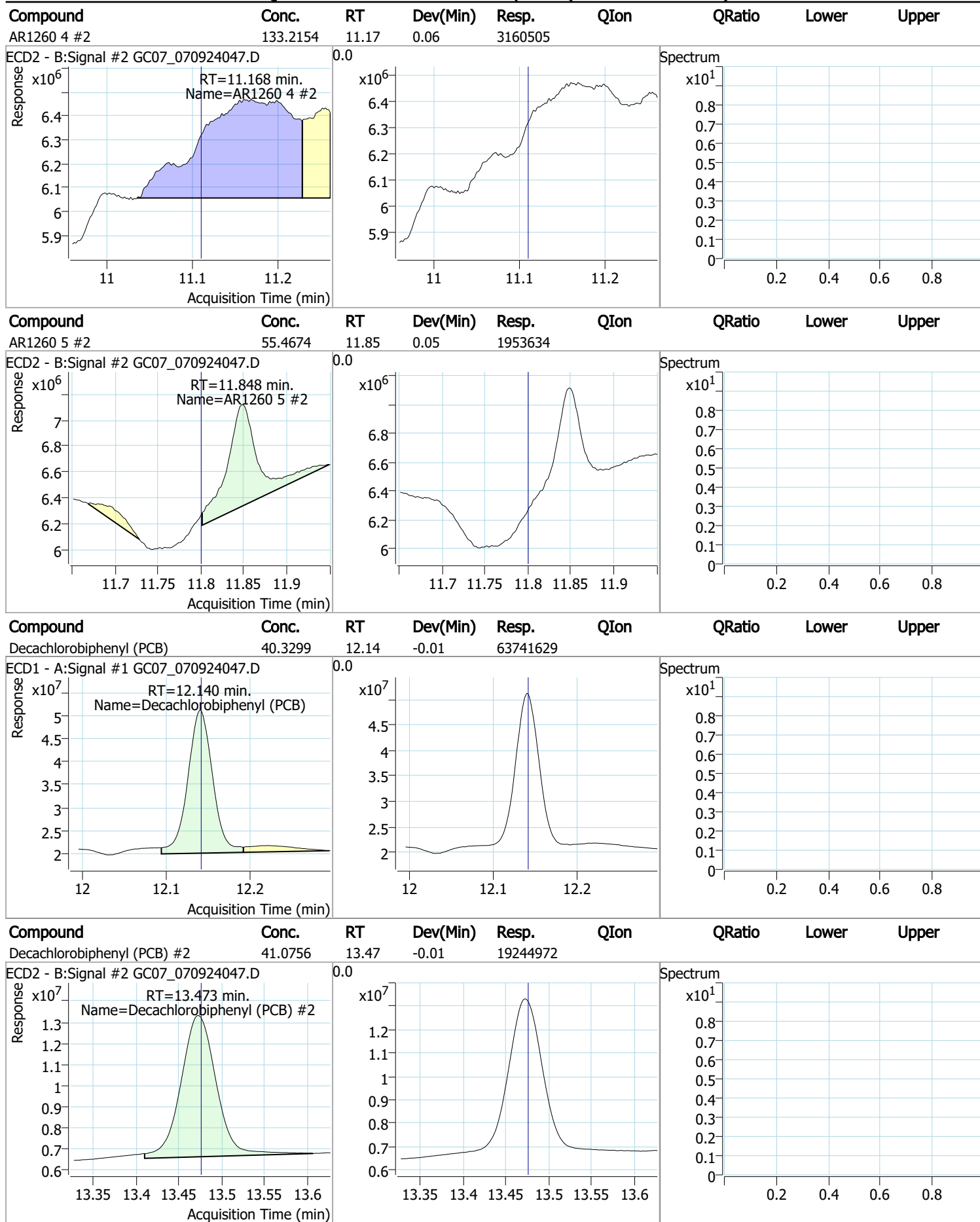
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	68.5631	9.99	-0.02	1701191				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 511603-005	Client ID: DOOR-S-15.2GE-PS-19-240708-P-G
Seqnum: 464275615048	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_070924048	Batch: 344625	Time: 09-JUL-2024 23:34
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	14.29	ug/L	ND	0.53	115%	0.50		u
Aroclor-1016 Peak # 1	B	63.86	ug/L	0.64	0.11	140%			
Aroclor-1016 Peak # 2	B	3.099	ug/L	0.03	0.31	164%			
Aroclor-1016 Peak # 3	B	1.263	ug/L	0.01	1.88	197%			
Aroclor-1016 Peak # 4	B	2.275	ug/L	0.02	0.03	17%			
Aroclor-1016 Peak # 5	B	0.9480	ug/L	0.01	0.30	188%			
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	23.81	ug/L	ND	1.5	144%	0.50		u
Aroclor-1260 Peak # 1	B	19.30	ug/L	0.19	4.15	182%			
Aroclor-1260 Peak # 2	B	4.140	ug/L	0.04	0.09	75%			
Aroclor-1260 Peak # 3	B	15.34	ug/L	0.15	0.79	135%			
Aroclor-1260 Peak # 4	B	12.21	ug/L	0.12	2.15	179%			
Aroclor-1260 Peak # 5	B	68.09	ug/L	0.68	0.19	114%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	43.68	pg/uL	0.5000	0.4368	87	19-121	u
Decachlorobiphenyl (PCB)	B	44.92	pg/uL	0.5000	0.4492	90	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7041868	-2.37
1-bromo-2-nitrobenzene (PCB)	A	26536532	24612007	-7.25

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

07/10/24 : WIPE/1S-10ML

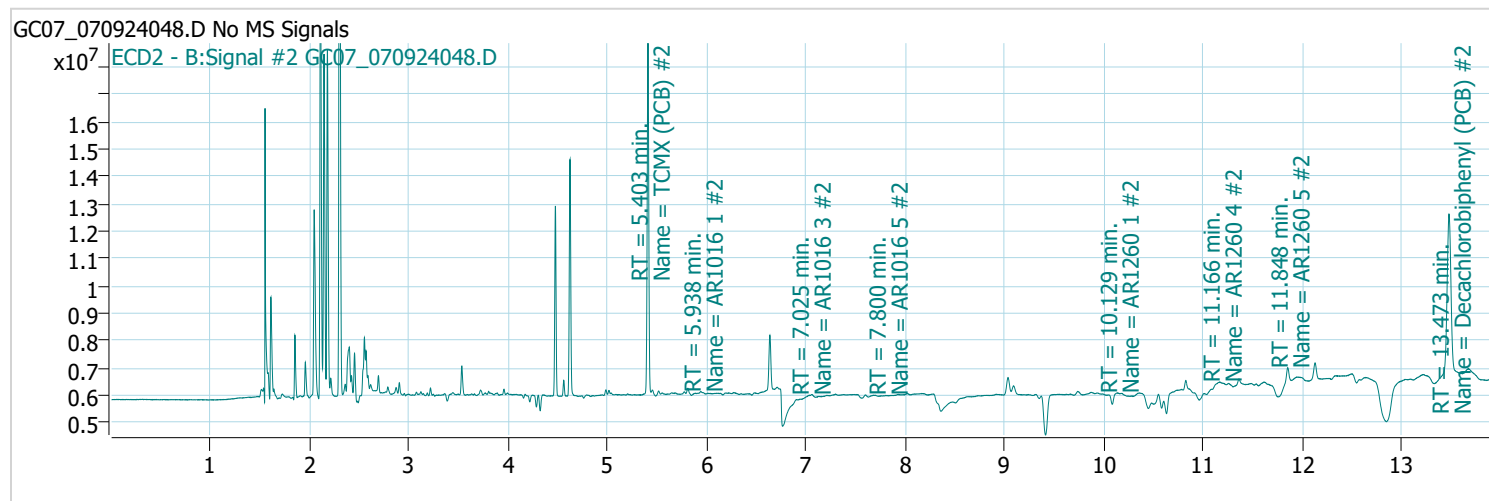
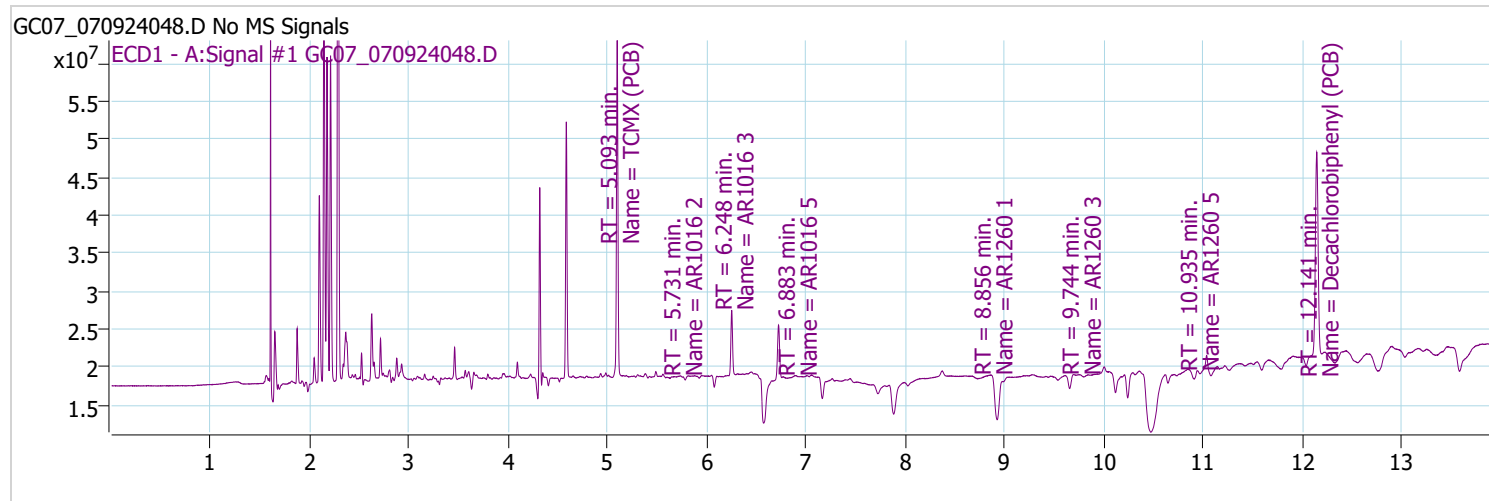
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Analyst: MES 07/10/24

Reviewer: MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924048.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 11:34:21 PM
Sample Name	511603-005, 344625, 1	Instrument	SVOA-GC07
Vial	30	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	24612007.4 76	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	7041867.76 3	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.093	0.0	46445998.8 90	40.2850	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.43%	*	
S TCMX (PCB) #2	5.403	0.0	14754284.1 14	43.6823	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.41%	*	
S Decachlorobiphenyl (PCB)	12.141	0.0	58329255.5 84	42.9850	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.93%	*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	17281157.1 48	44.9214	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.61%	*	

Target Compounds

QValue

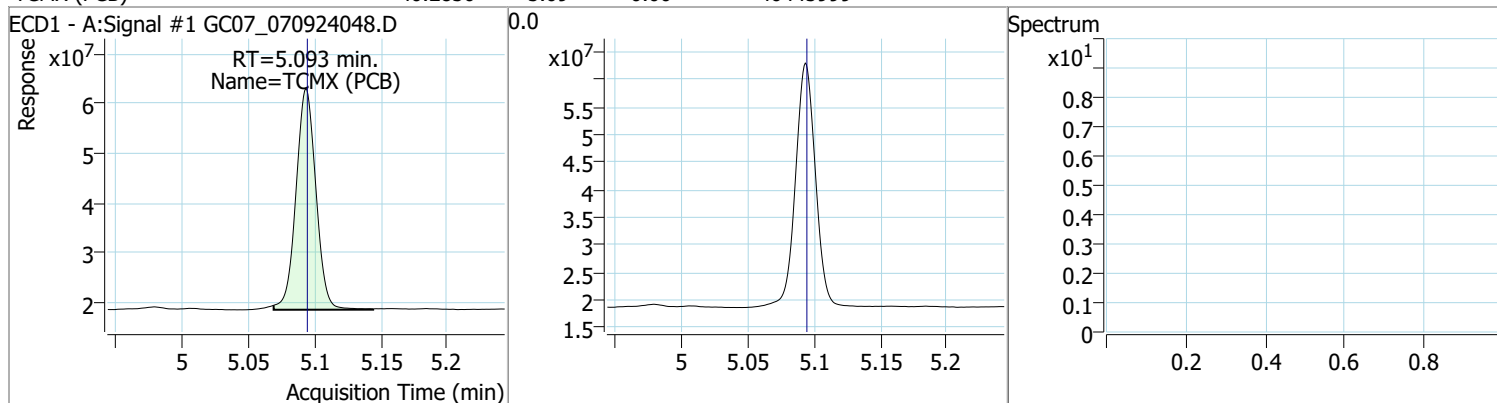
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.421	0.0	243845.488	11.3347	ng/ml	100
T AR1016 2	5.731	0.0	1387057.229	31.0360	ng/ml	100
T AR1016 1 #2	5.938	0.0	474796.296	63.8580	ng/ml	100
T AR1016 3	6.248	0.0	10533399.438	188.4677	ng/ml	100
T AR1016 2 #2	6.347	0.0	47606.188	3.0990	ng/ml	100
T AR1016 4	6.398	0.0	100562.316	2.6891	ng/ml	100
T AR1016 5	6.883	0.0	977250.407	29.7291	ng/ml	100
T AR1016 3 #2	7.025	0.0	24191.090	1.2626	ng/ml	100
T AR1016 4 #2	7.126	0.0	32223.100	2.2752	ng/ml	100
T AR1016 5 #2	7.800	0.0	10858.658	0.9480	ng/ml	100
T AR1260 1	8.856	0.0	27336221.316	414.6392	ng/ml	100
T AR1260 2	9.271	0.0	917942.451	9.1165	ng/ml	100
T AR1260 3	9.744	0.0	8549177.156	78.9121	ng/ml	100
T AR1260 1 #2	10.129	0.0	393107.375	19.2958	ng/ml	100
T AR1260 4	10.202	0.0	13487457.584	215.3379	ng/ml	100
T AR1260 2 #2	10.171	0.0	105967.556	4.1404	ng/ml	100
T AR1260 3 #2	10.600	0.0	472425.520	15.3350	ng/ml	100
T AR1260 5	10.935	0.0	1405952.266	18.7456	ng/ml	100
T AR1260 4 #2	11.166	0.0	237850.528	12.2100	ng/ml	100
T AR1260 5 #2	11.848	0.0	1969008.362	68.0857	ng/ml	100

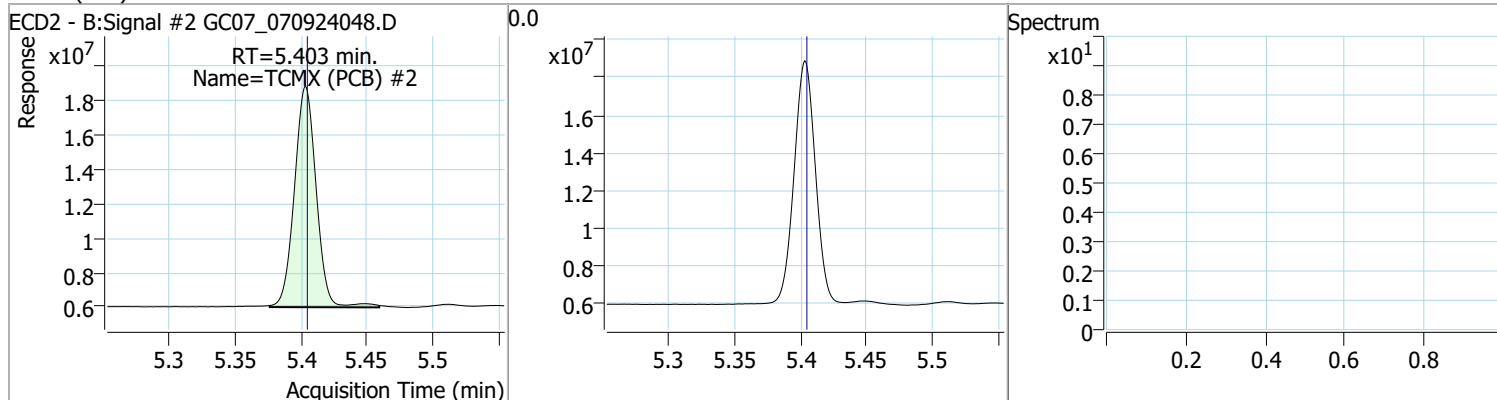
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

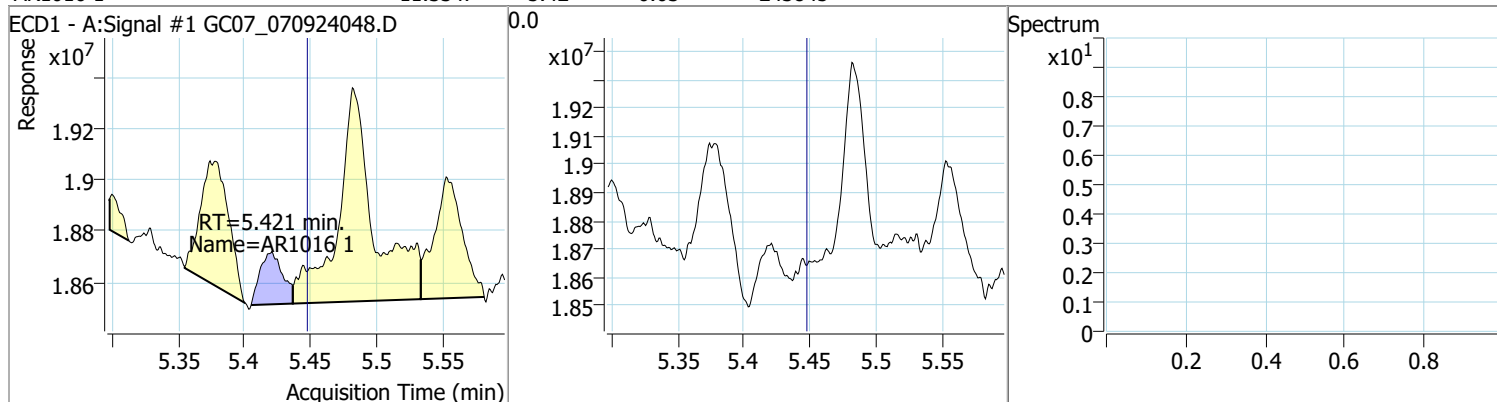
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.2850	5.09	0.00	46445999				



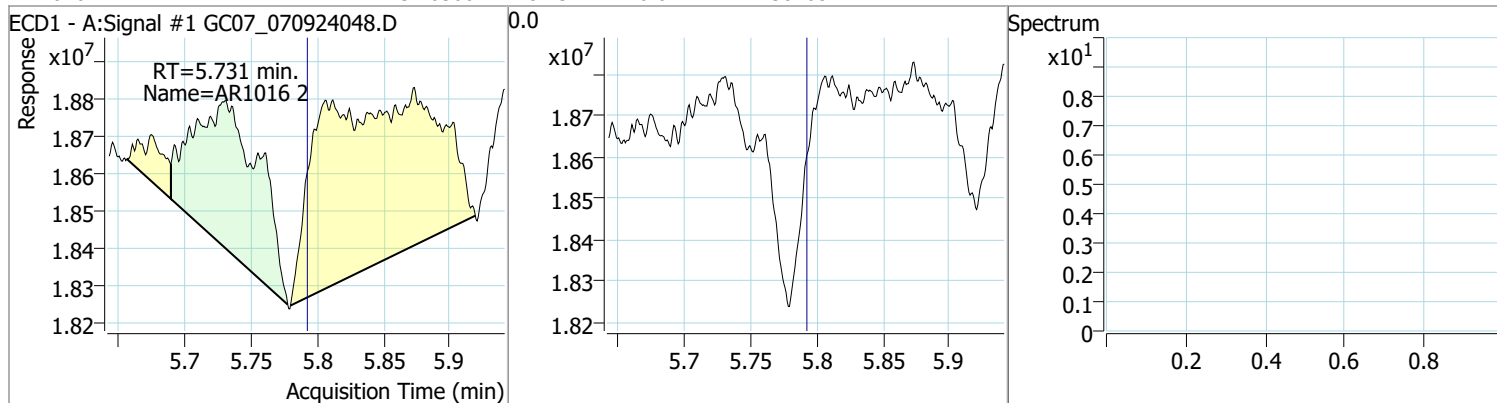
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.6823	5.40	0.00	14754284				



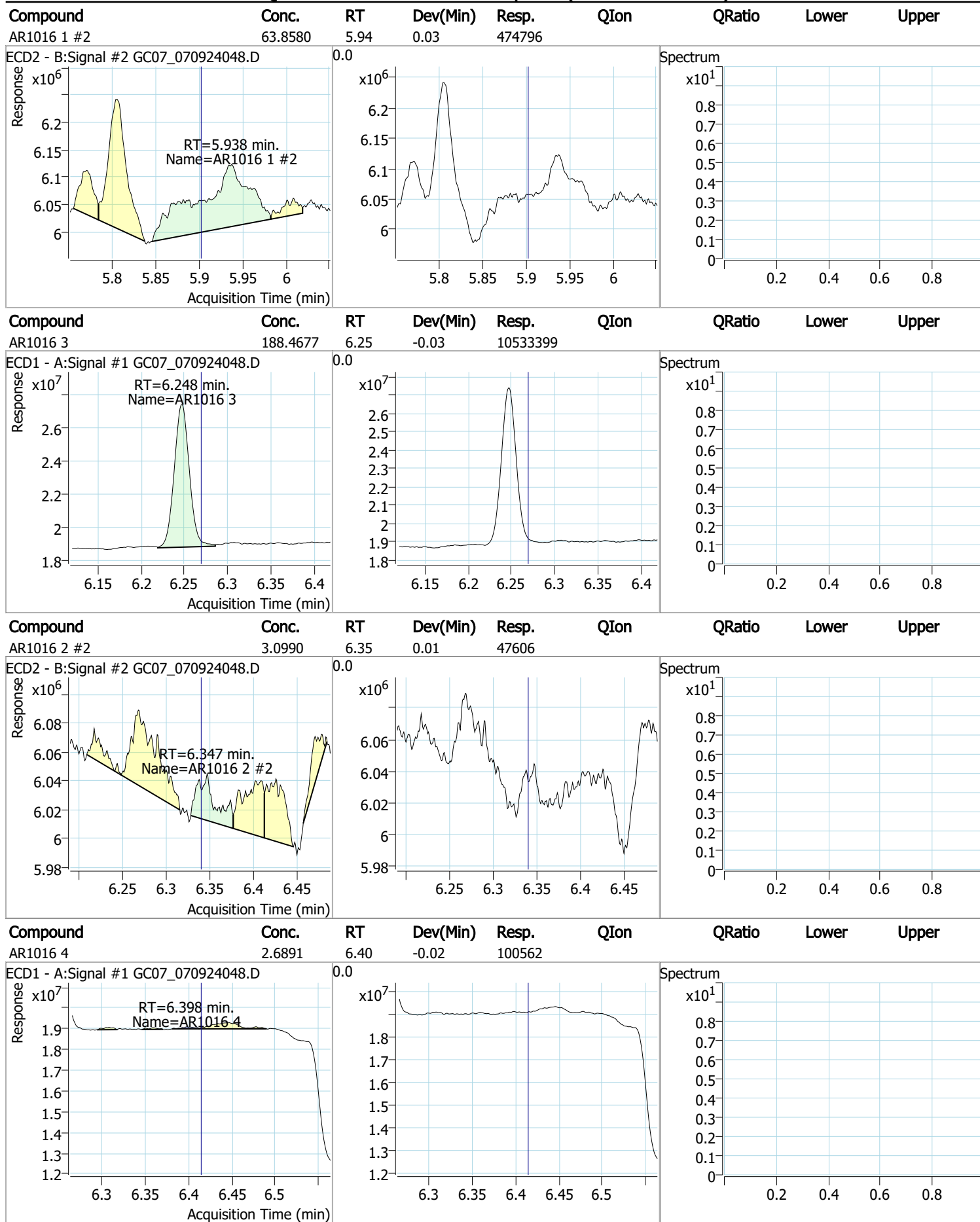
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	11.3347	5.42	-0.03	243845				



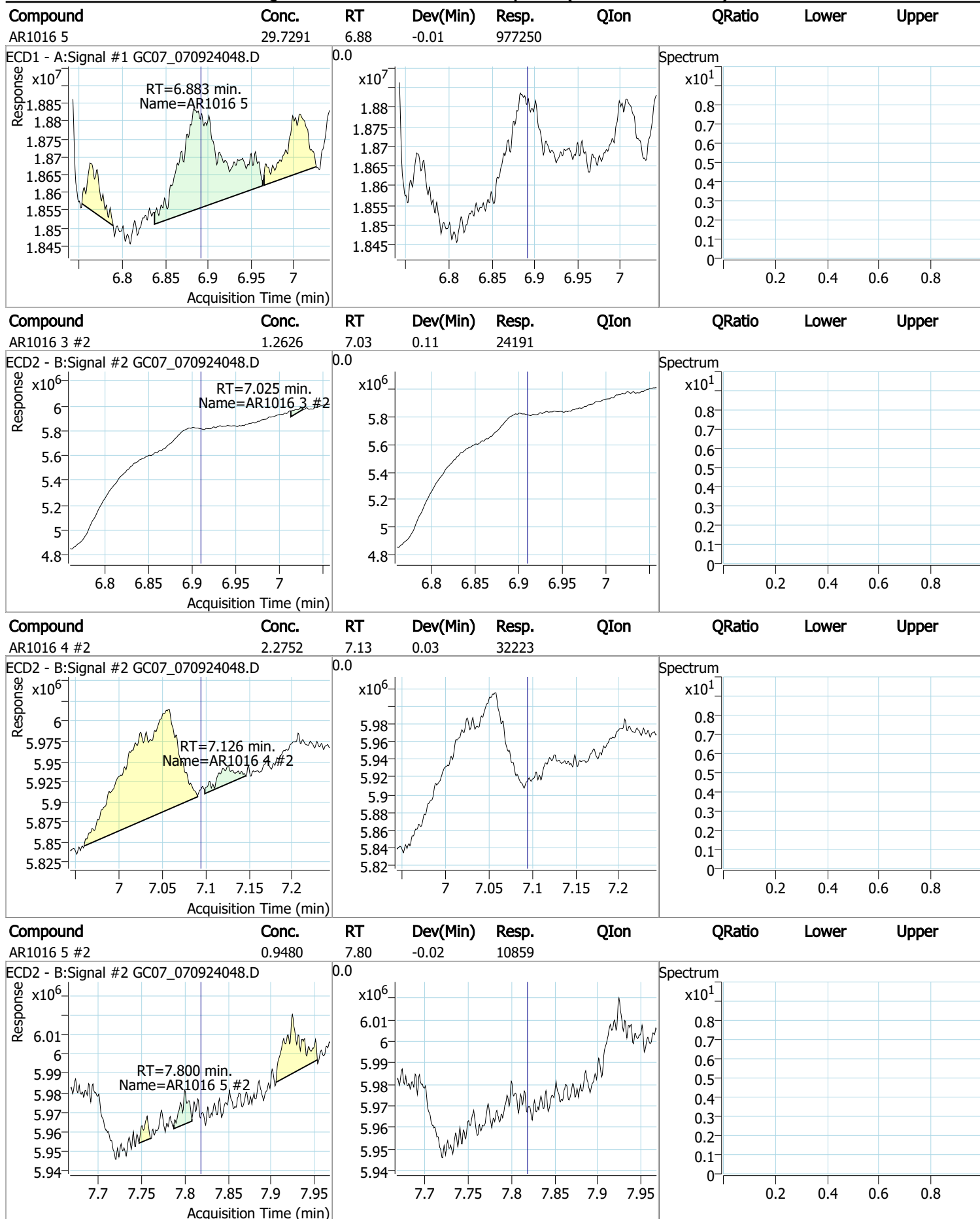
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	31.0360	5.73	-0.07	1387057				



Quantitation Results Report (Not Reviewed)

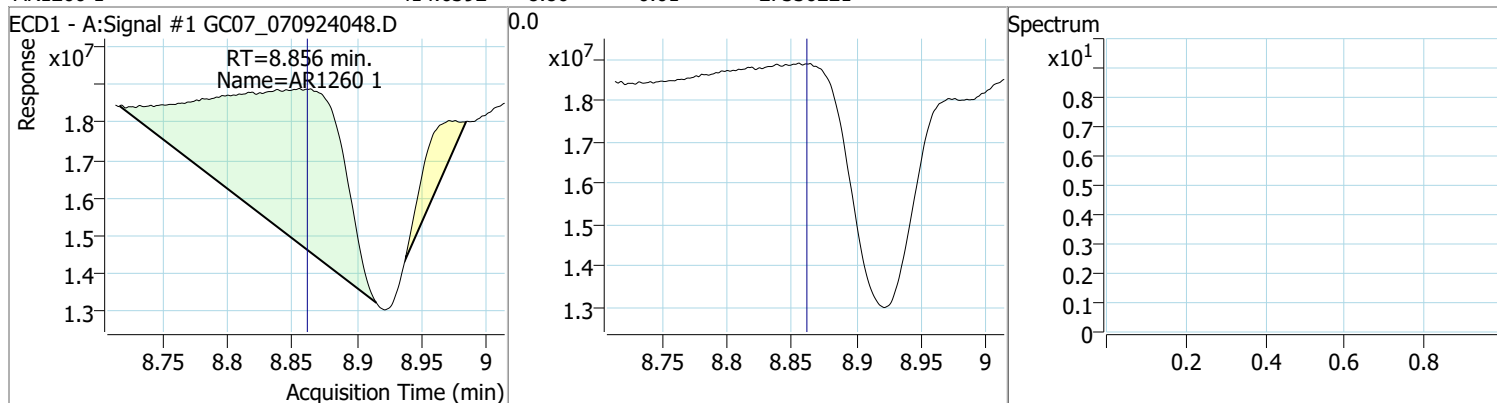


Quantitation Results Report (Not Reviewed)

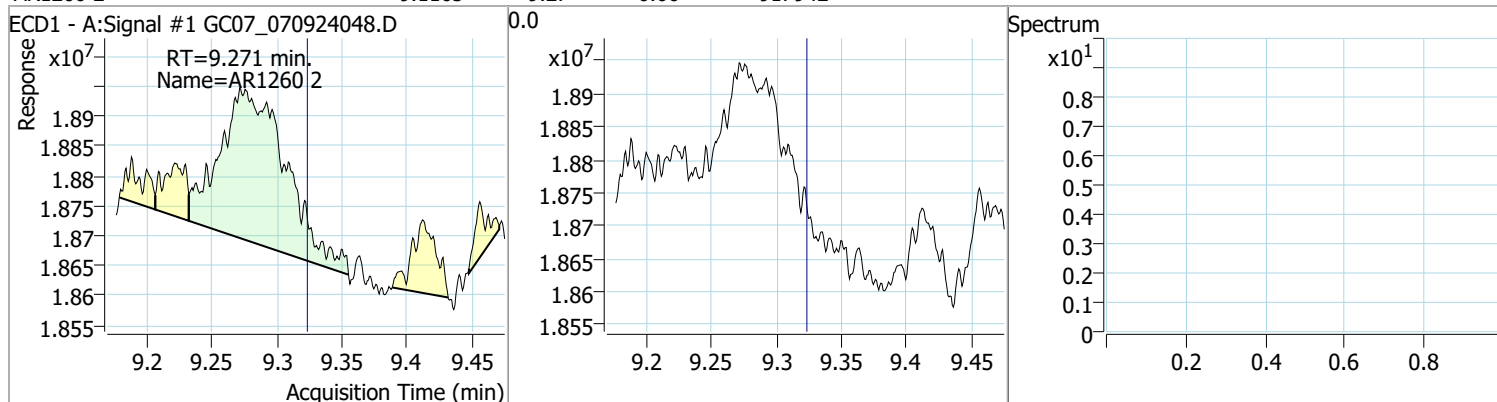


Quantitation Results Report (Not Reviewed)

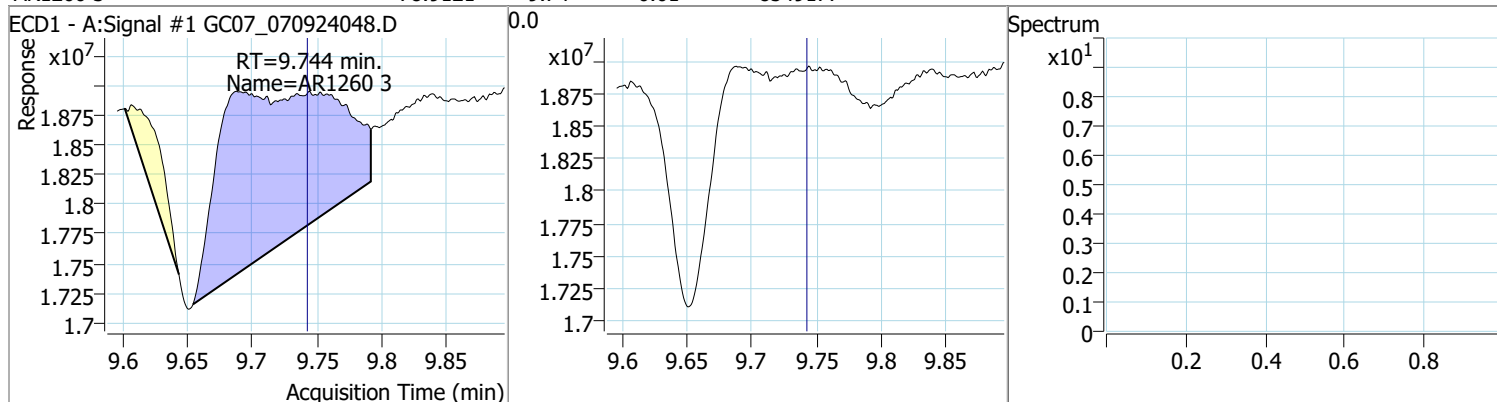
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	414.6392	8.86	-0.01	27336221				



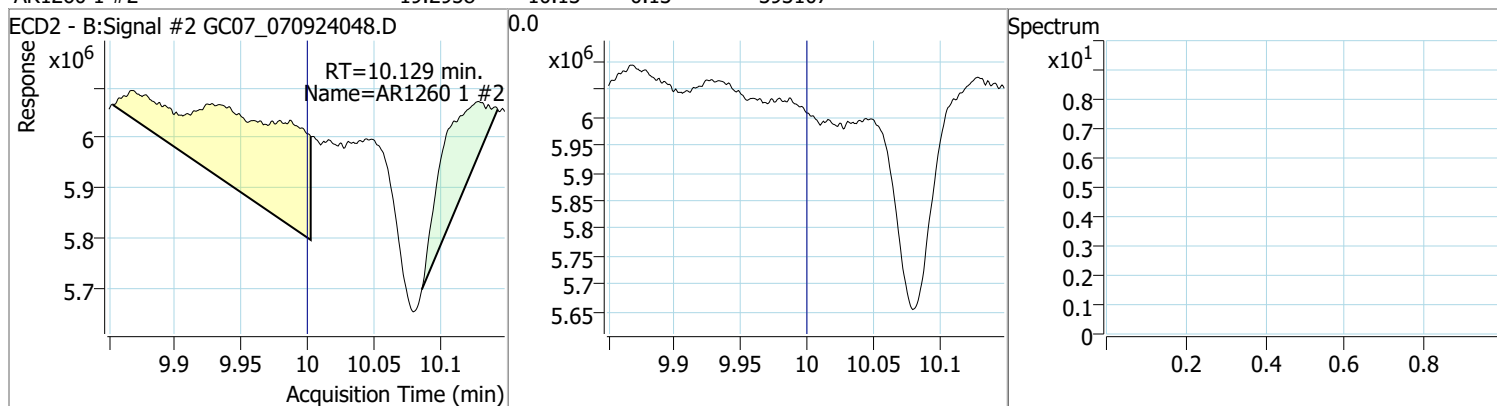
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	9.1165	9.27	-0.06	917942				



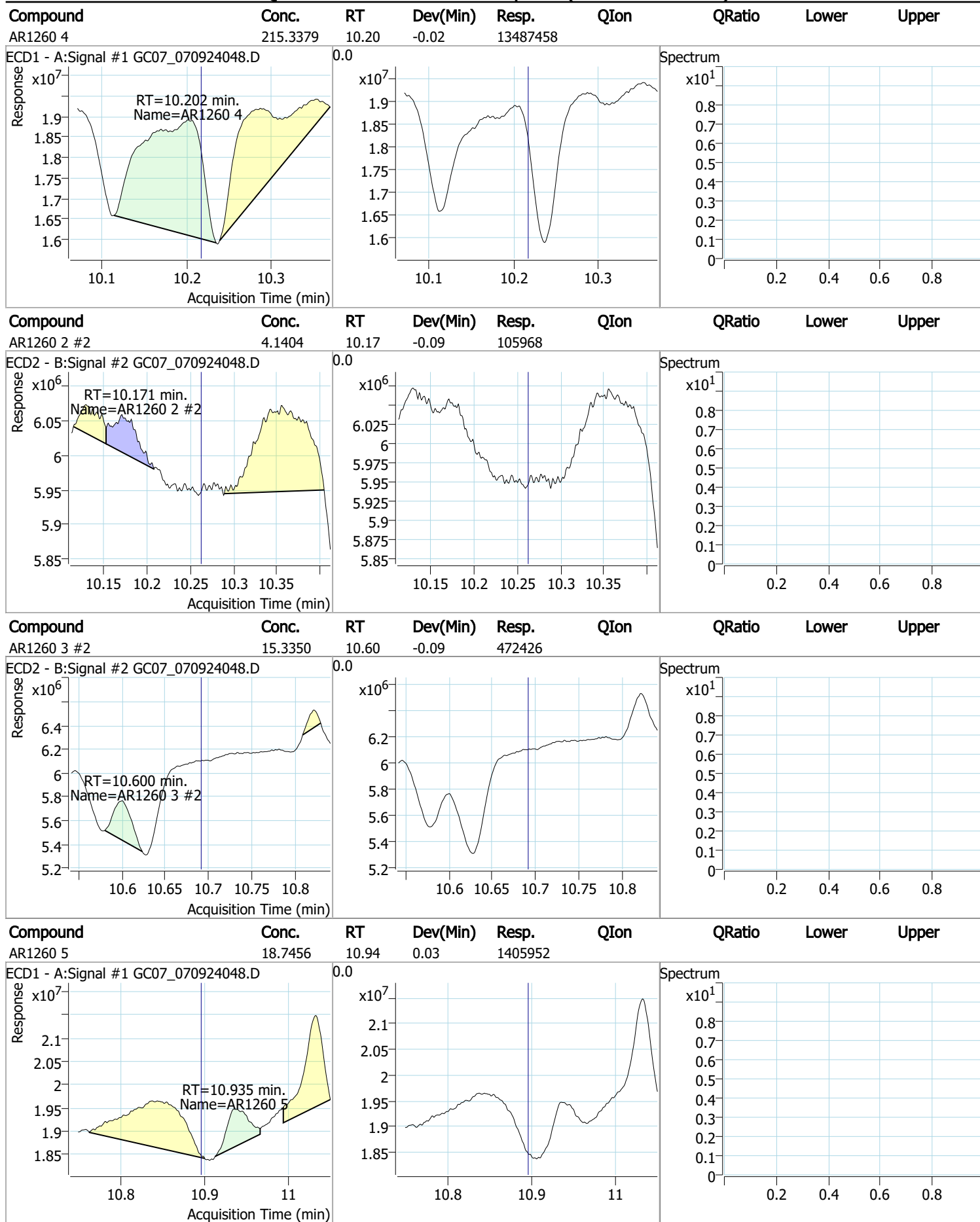
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	78.9121	9.74	-0.01	8549177				



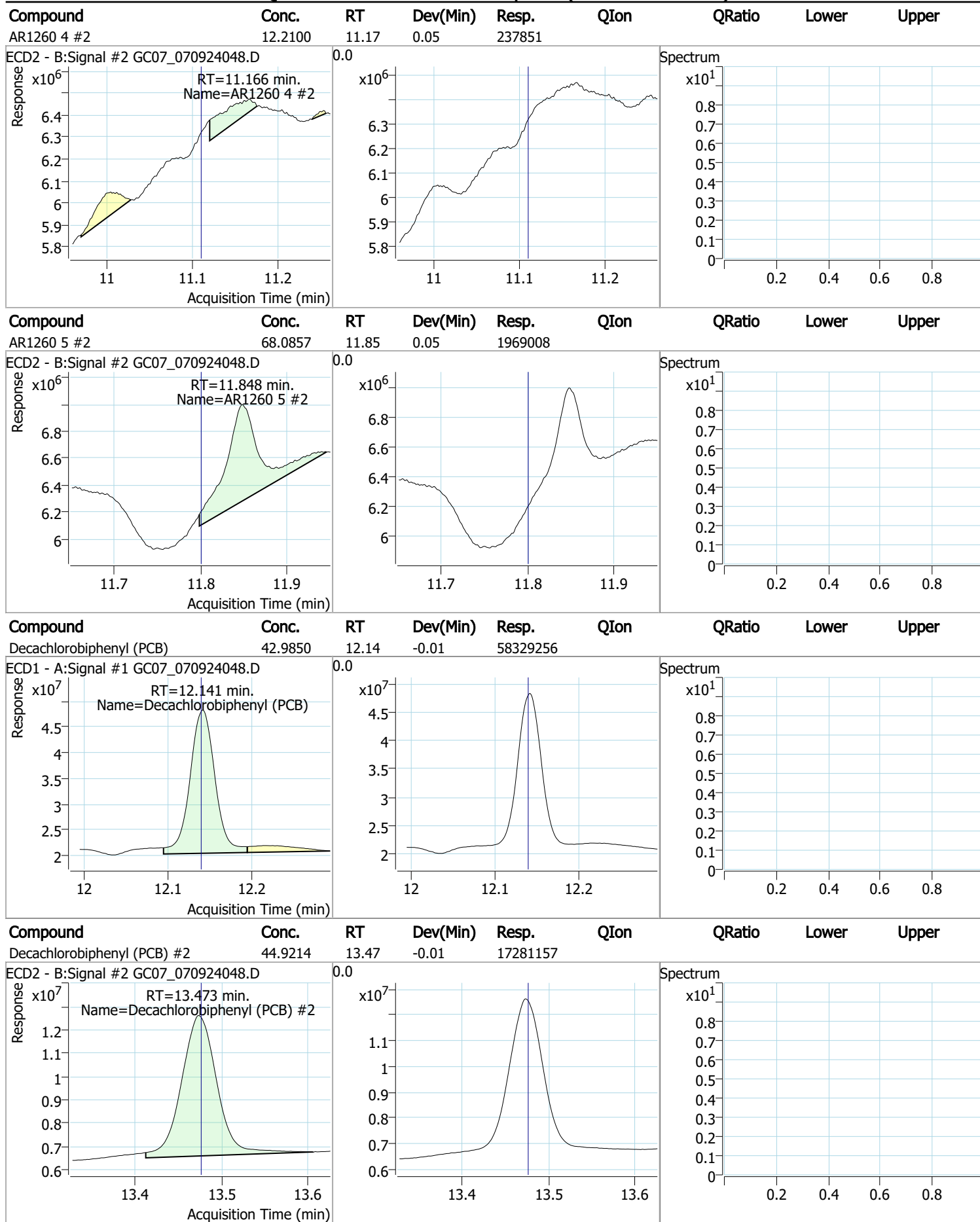
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	19.2958	10.13	0.13	393107				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 511603 PCBS Wipe

EPA 8082

Inst: SVOA-GC07	Lab ID: QC1167799	
Seqnum: 464275615034.3	Matrix: Wipe	
File: gc07_070924034	Batch: 344625	Time: 09-JUL-2024 19:24
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0	Units: ug/dm2	

- 1.00 dm2 $\Rightarrow$ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	33.94	ug/L	ND	ND	128%	0.50	u
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	20.40	ug/L	ND	0.79	118%	0.50	u
Aroclor-1262	B			ND			0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	43.63	pg/uL	0.5000	0.4363	87	19-121	u
Decachlorobiphenyl (PCB)	B	43.51	pg/uL	0.5000	0.4351	87	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7137985	-1.04
1-bromo-2-nitrobenzene (PCB)	A	26536532	25290879	-4.69

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_070924029)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

07/10/24 : WIPE/1S-10ML [general version]

u=use

Analyst: MES 07/10/24

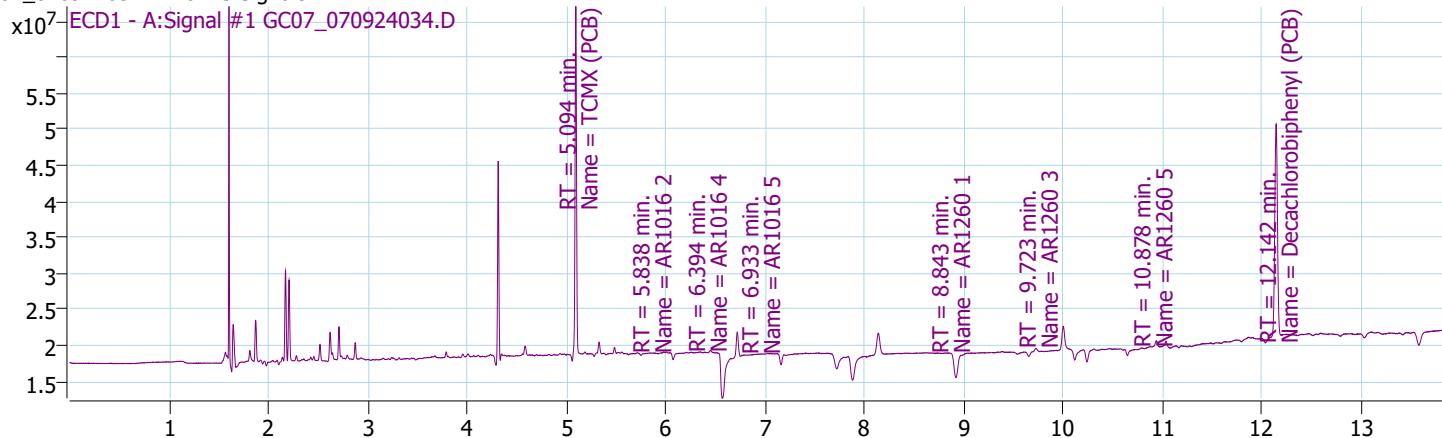
Reviewer: MTS 07/10/24

Quantitation Results Report (Not Reviewed)

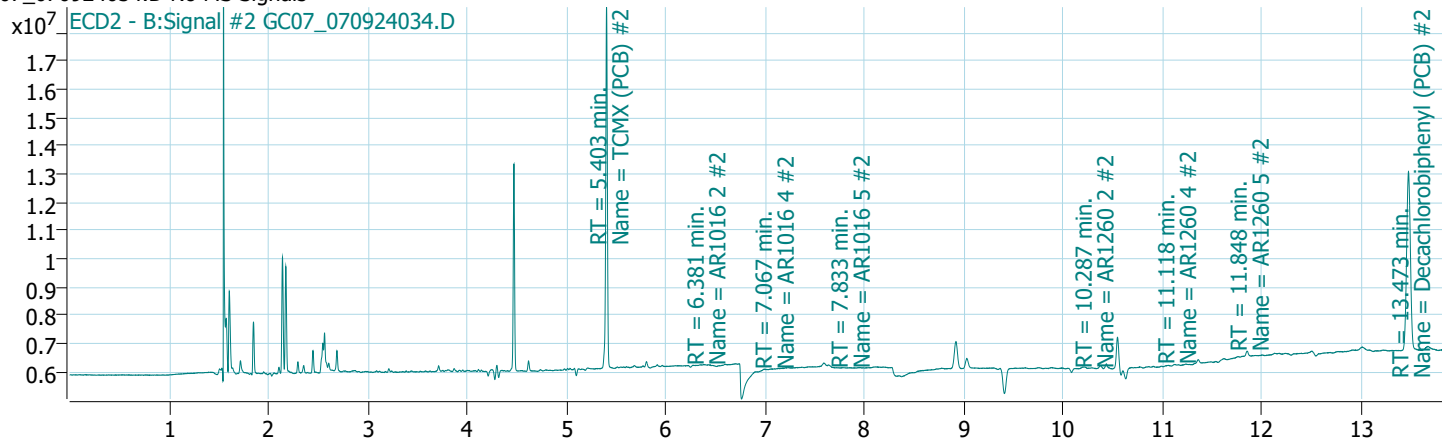
Data File GC07_070924034.D
 Acq. Method Acq_Pesticide_052623_4
 Sample Name QC1167799, 344625, 1
 Vial 16
 DA Method File PCB_608_062824_GC07_07.m
 Tune File ATUNE.U
 Batch Name 070924-PCB.batch.bin
 Ref Library

Operator SVOA
 Acq. Date-Time 7/9/2024 7:24:06 PM
 Instrument SVOA-GC07
 Multiplier 1.00
 Comment WIPE/1S-10ML
 Tune Date
 Last Calib Update 6/28/2024 6:59:17 PM

GC07_070924034.D No MS Signals



GC07_070924034.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	25290878.5 41	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.472	0.0	7137984.79 9	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.094	0.0	53001360.7 77	44.7368	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.68%	*	
S TCMX (PCB) #2	5.403	0.0	14937630.7 79	43.6297	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.15%	*	
S Decachlorobiphenyl (PCB)	12.142	0.0	58743223.4 16	42.1281	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.64%	*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	16966198.9 40	43.5088	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.54%	*	

Target Compounds

QValue

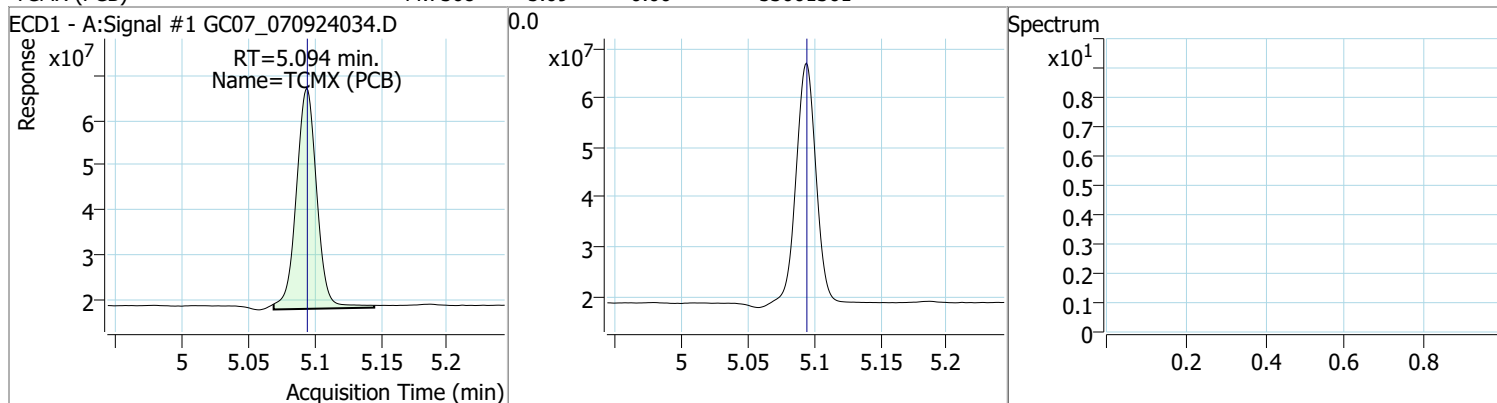
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.444	0.0	271630.020	12.2873	ng/ml	100
T AR1016 2	5.838	0.0	1417213.890	30.8596	ng/ml	100
T AR1016 1 #2	5.913	0.0	233926.518	31.0384	ng/ml	100
T AR1016 3	6.255	0.0	279460.802	0.0000	ng/ml	100
T AR1016 2 #2	6.381	0.0	595769.476	38.2608	ng/ml	100
T AR1016 4	6.394	0.0	157230.294	4.0915	ng/ml	100
T AR1016 5	6.933	0.0	239390.516	7.0871	ng/ml	100
T AR1016 3 #2	7.053	0.0	1782352.767	91.7768	ng/ml	100
T AR1016 4 #2	7.067	0.0	120603.065	8.4007	ng/ml	100
T AR1016 5 #2	7.833	0.0	2754.191	0.2372	ng/ml	100
T AR1260 1	8.843	0.0	15588546.748	230.1021	ng/ml	100
T AR1260 2	9.340	0.0	127212.356	1.2295	ng/ml	100
T AR1260 3	9.723	0.0	3800601.137	34.1393	ng/ml	100
T AR1260 1 #2	9.984	0.0	358468.301	17.3586	ng/ml	100
T AR1260 4	10.199	0.0	7707198.350	119.7485	ng/ml	100
T AR1260 2 #2	10.287	0.0	89375.496	3.4451	ng/ml	100
T AR1260 3 #2	10.764	0.0	1976839.444	63.3046	ng/ml	100
T AR1260 5	10.878	0.0	669688.797	8.6893	ng/ml	100
T AR1260 4 #2	11.118	0.0	50935.733	2.5796	ng/ml	100
T AR1260 5 #2	11.848	0.0	448536.492	15.3009	ng/ml	100

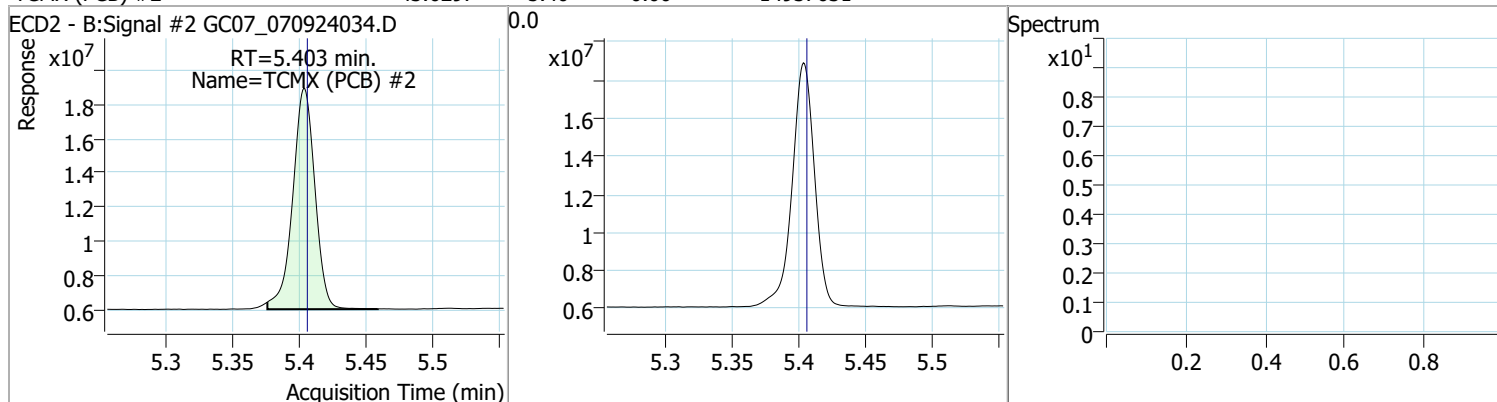
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

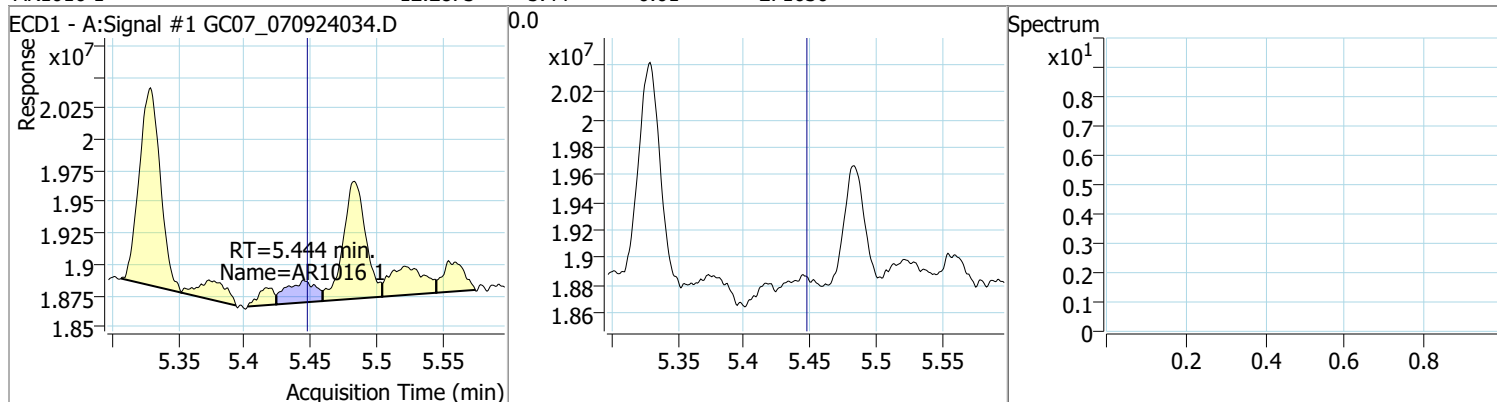
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.7368	5.09	0.00	53001361				



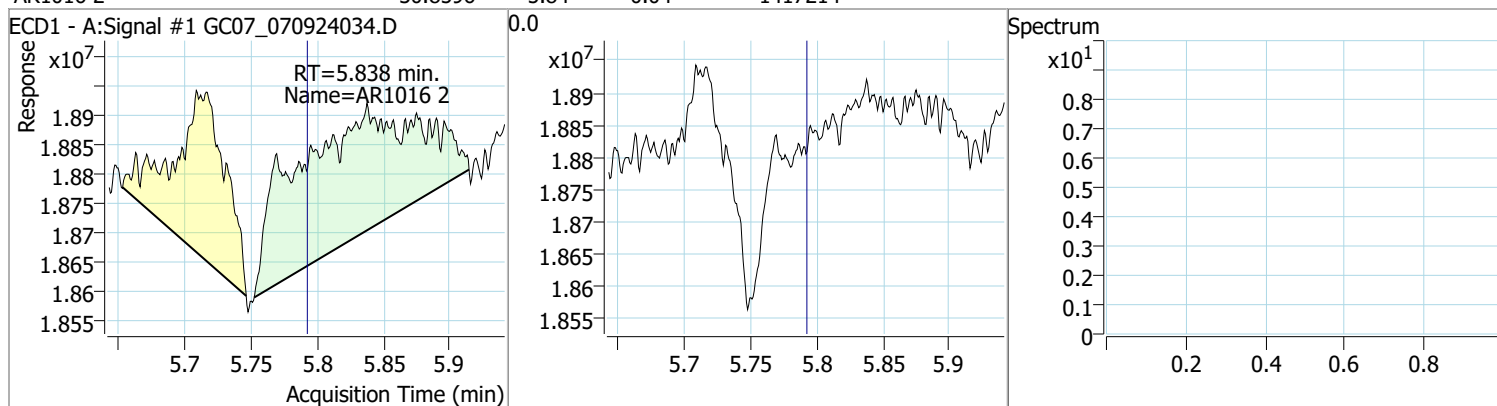
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.6297	5.40	0.00	14937631				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	12.2873	5.44	-0.01	271630				

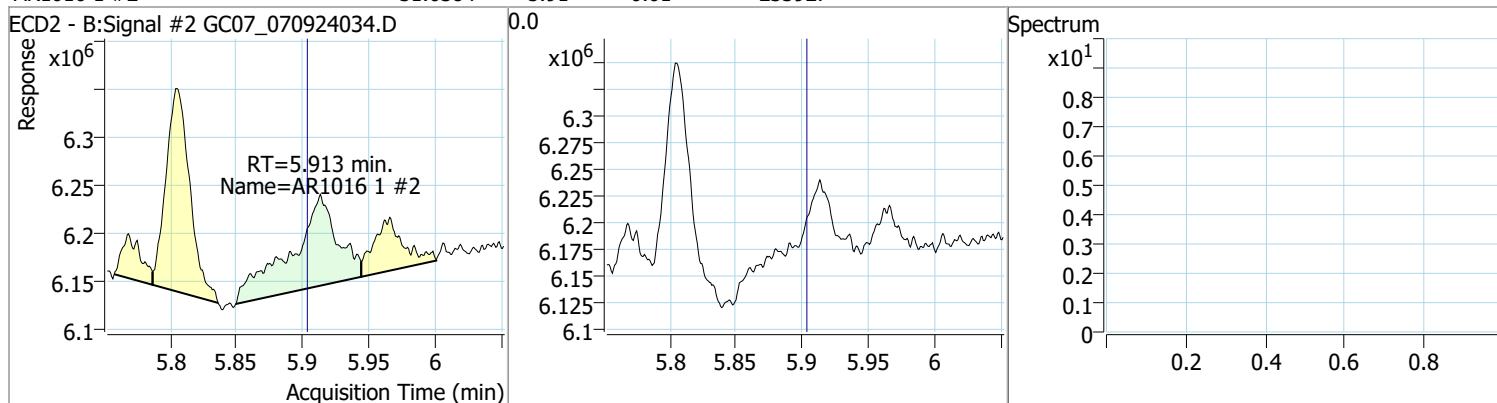


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	30.8596	5.84	0.04	1417214				

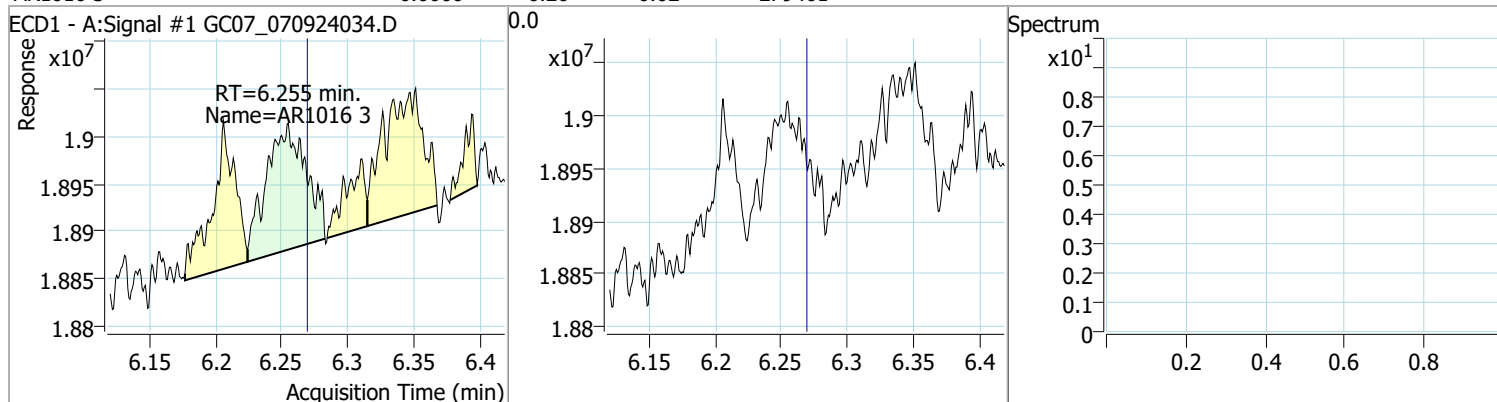


Quantitation Results Report (Not Reviewed)

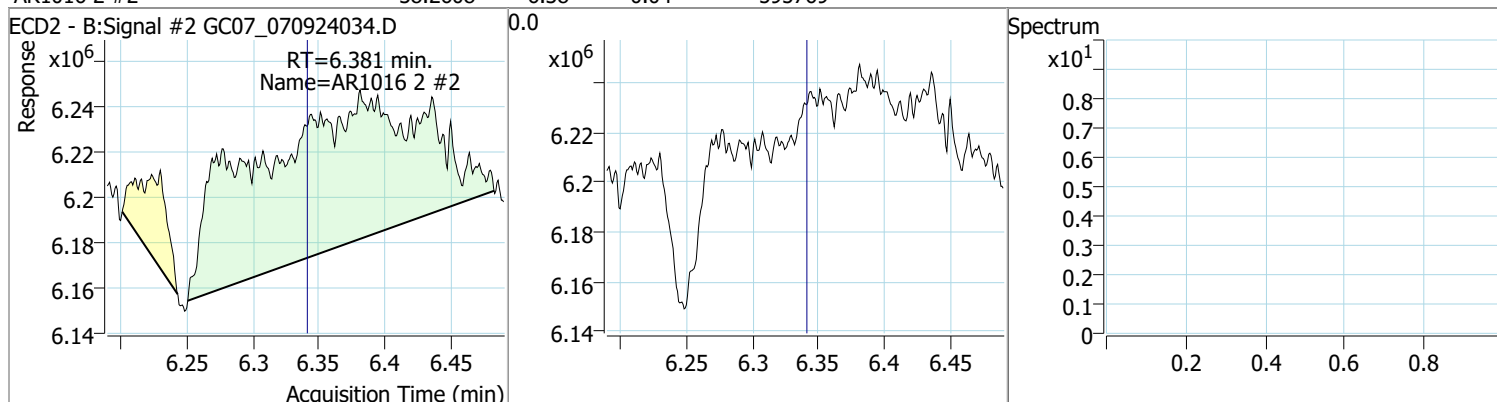
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	31.0384	5.91	0.01	233927				



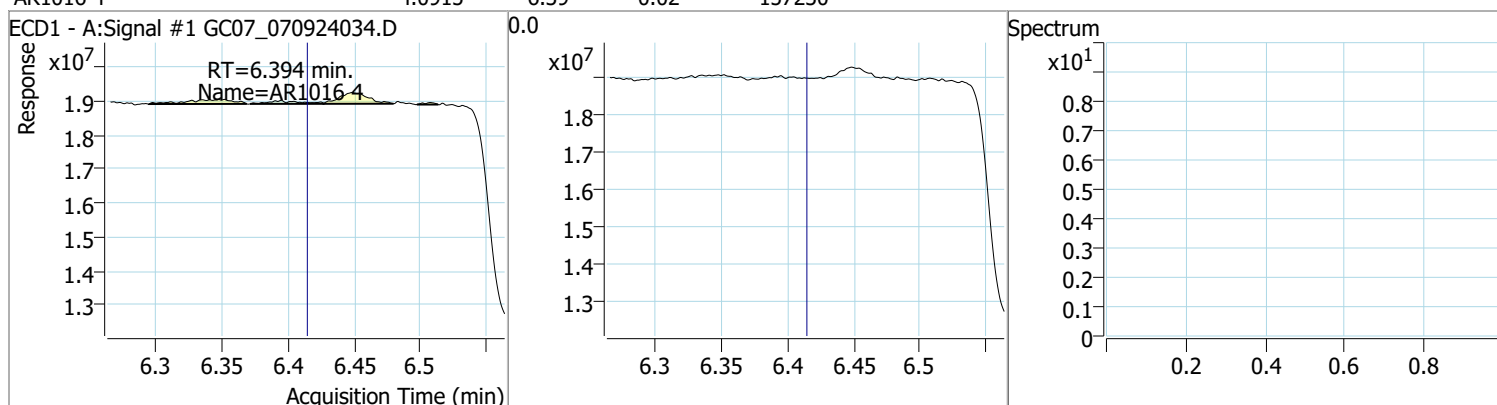
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.0000	6.26	-0.02	279461				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	38.2608	6.38	0.04	595769				

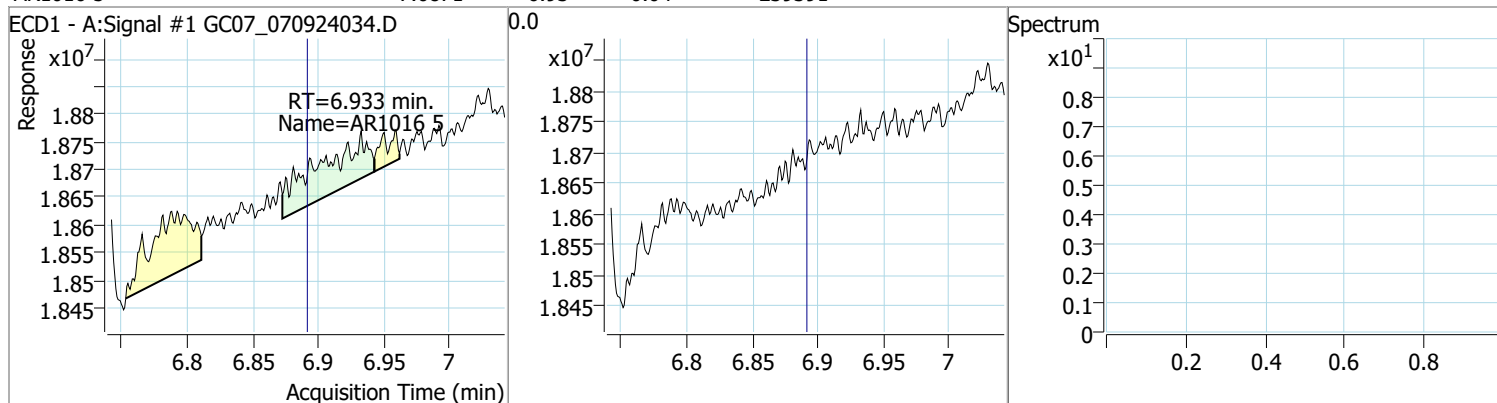


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.0915	6.39	-0.02	157230				

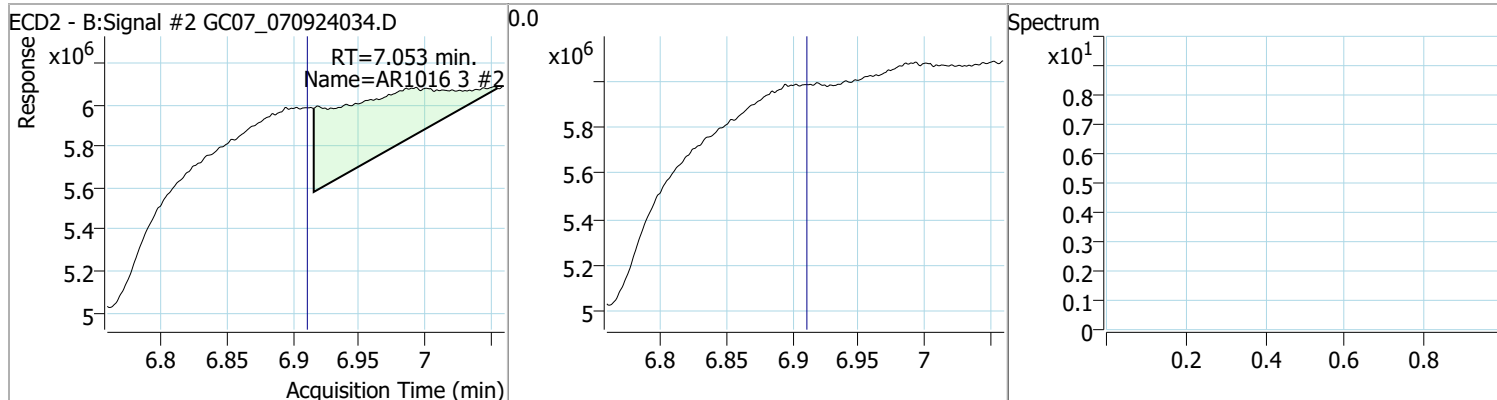


Quantitation Results Report (Not Reviewed)

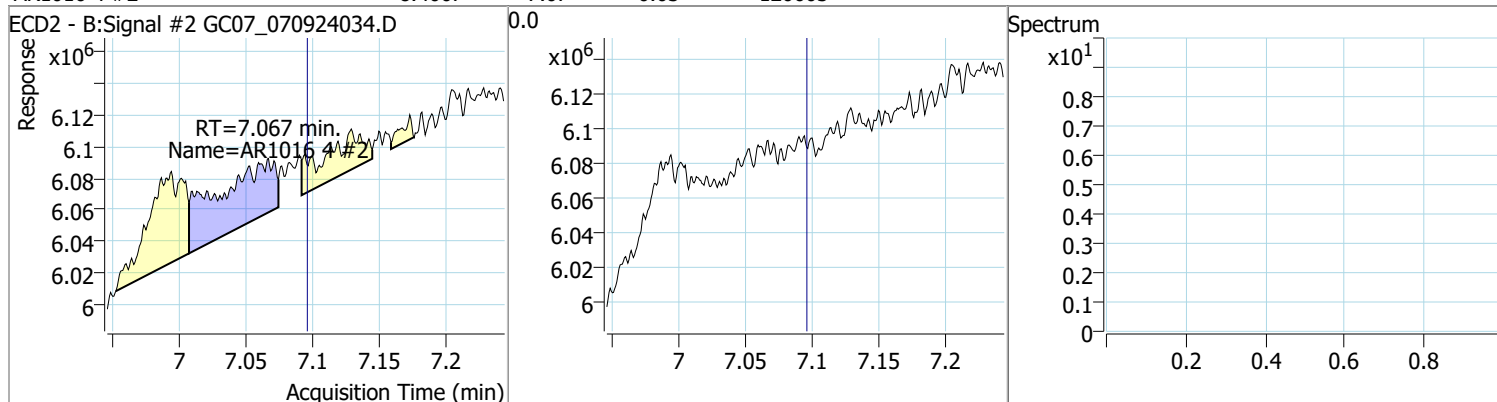
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.0871	6.93	0.04	239391				



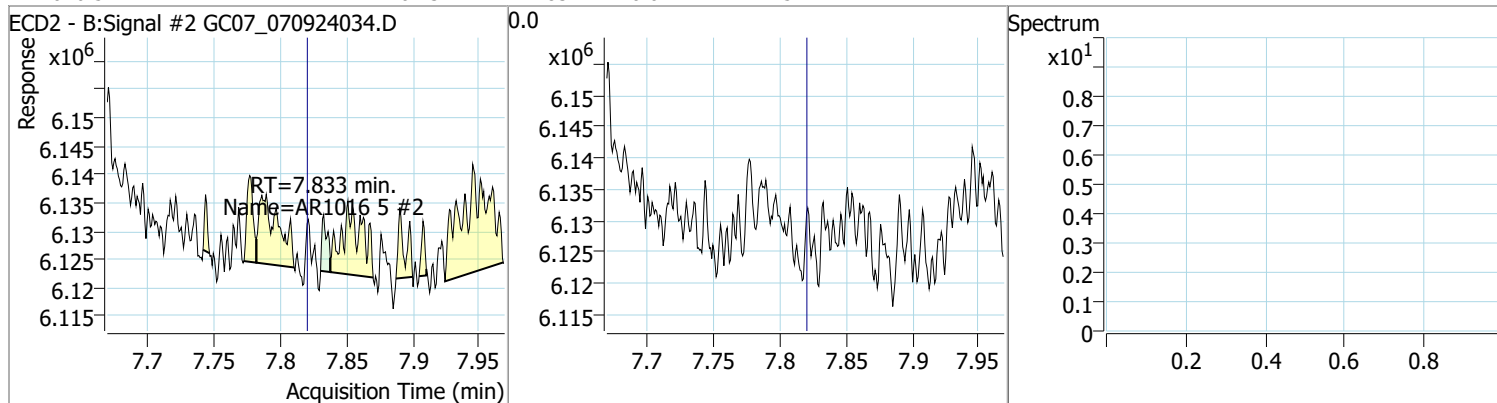
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	91.7768	7.05	0.14	1782353				



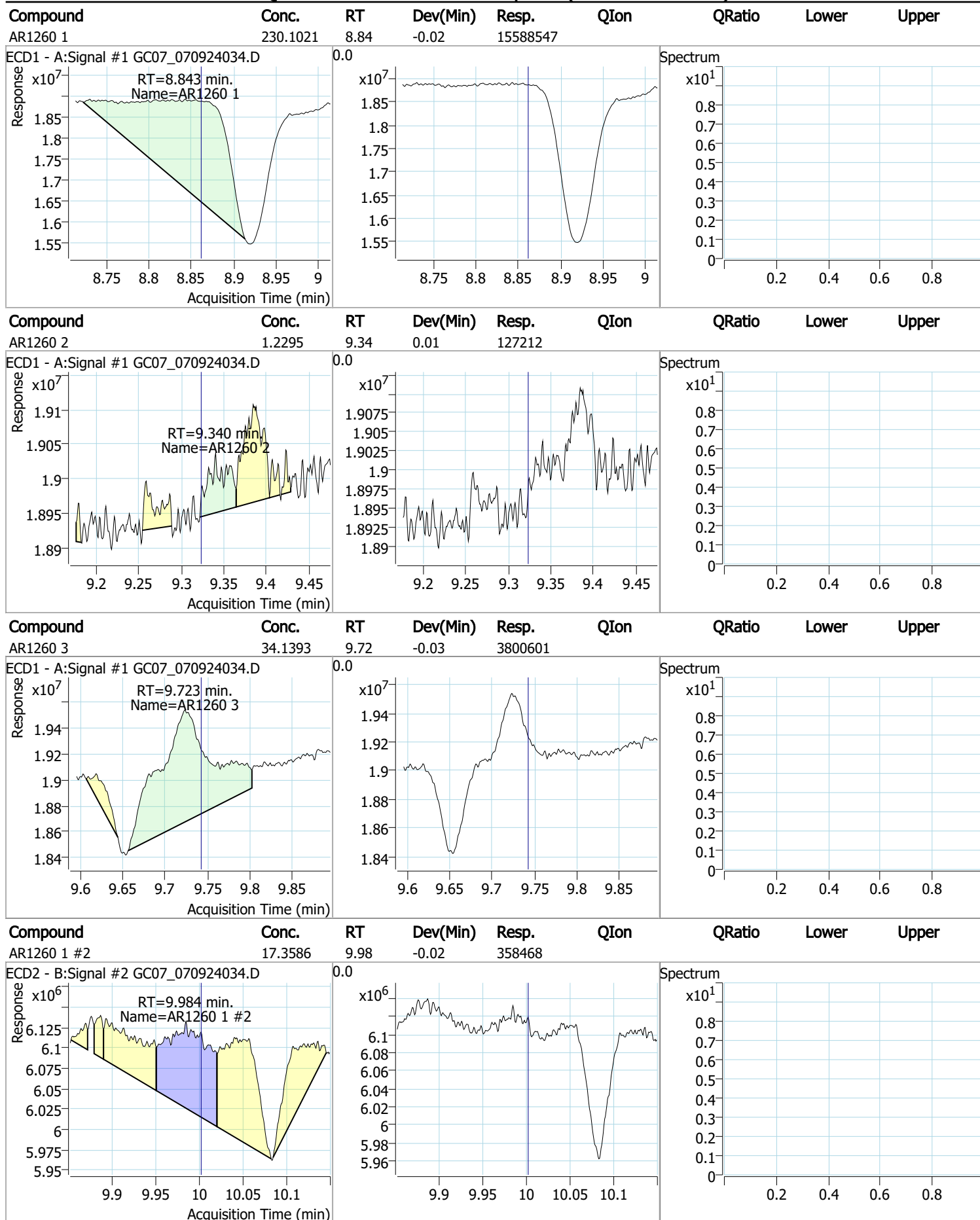
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.4007	7.07	-0.03	120603				



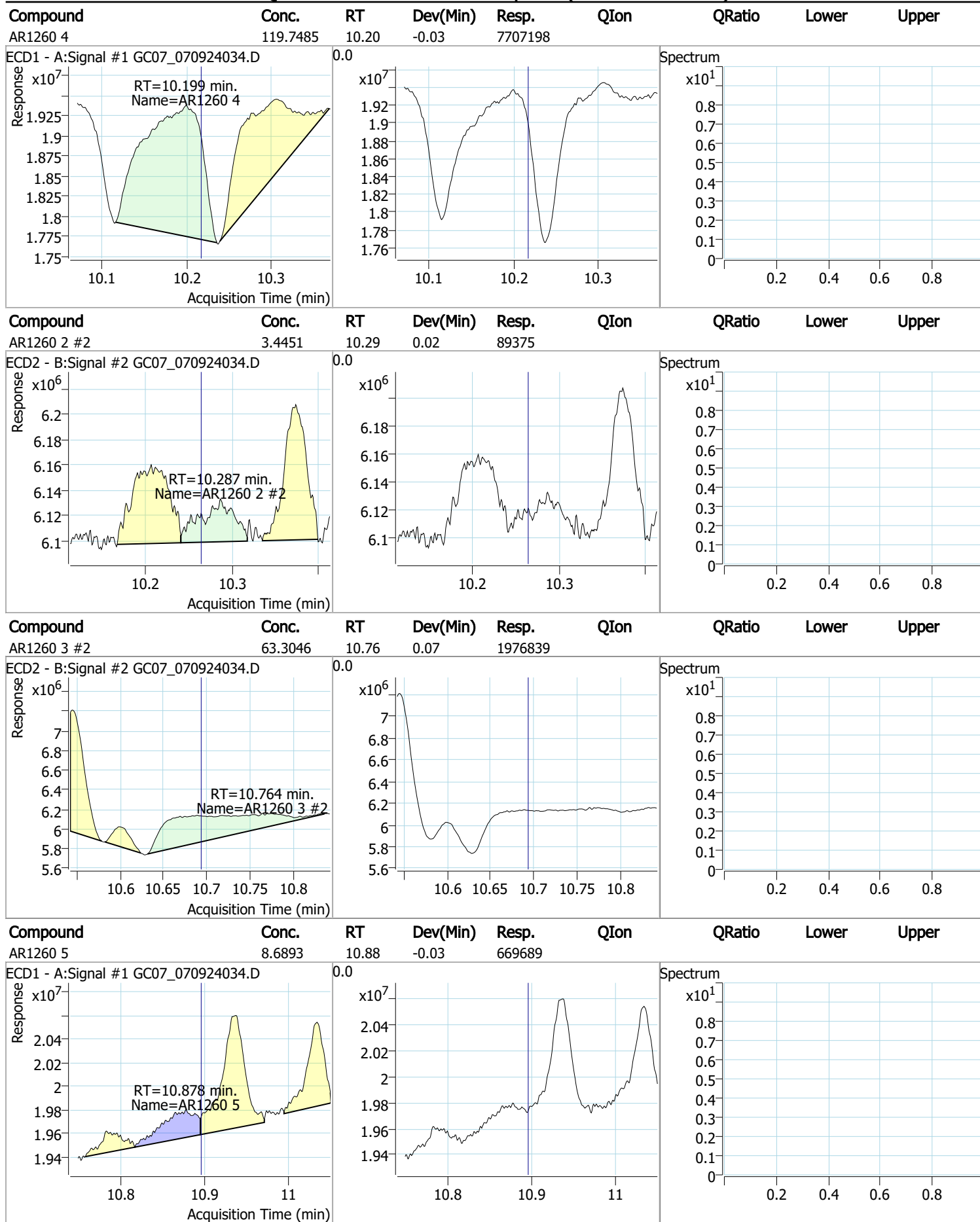
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.2372	7.83	0.01	2754				



Quantitation Results Report (Not Reviewed)

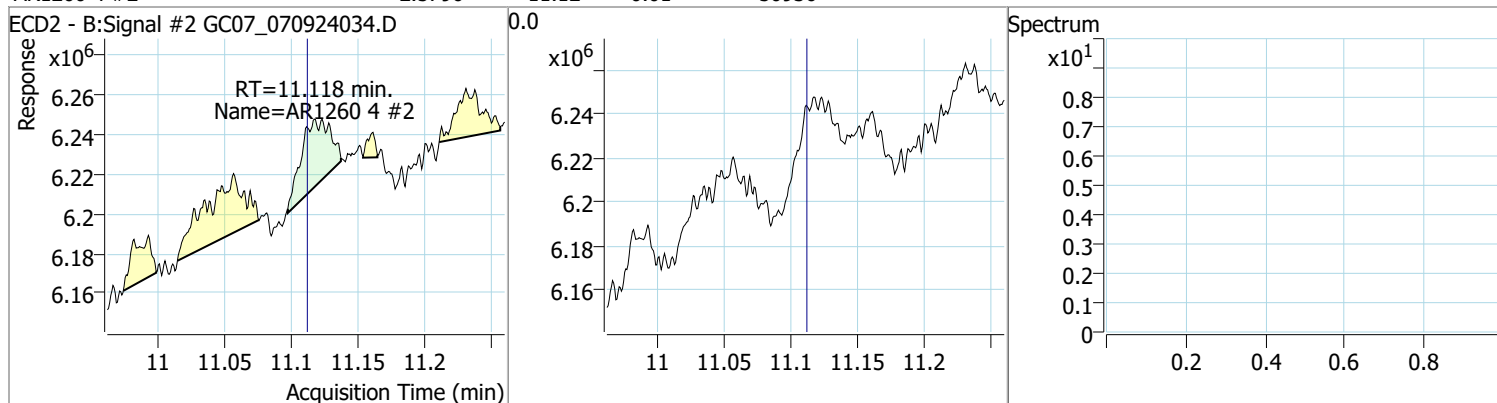


Quantitation Results Report (Not Reviewed)

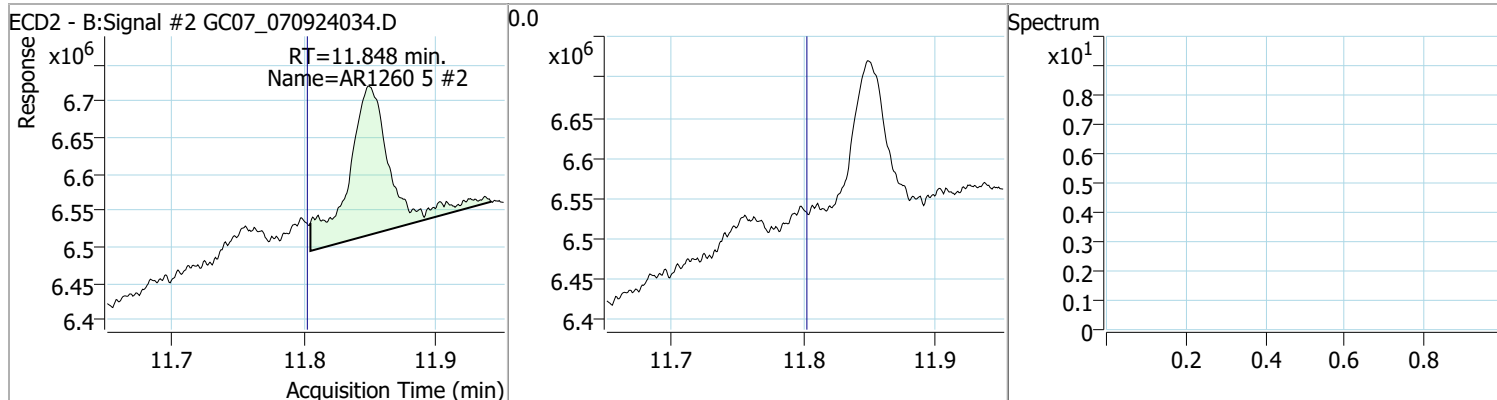


Quantitation Results Report (Not Reviewed)

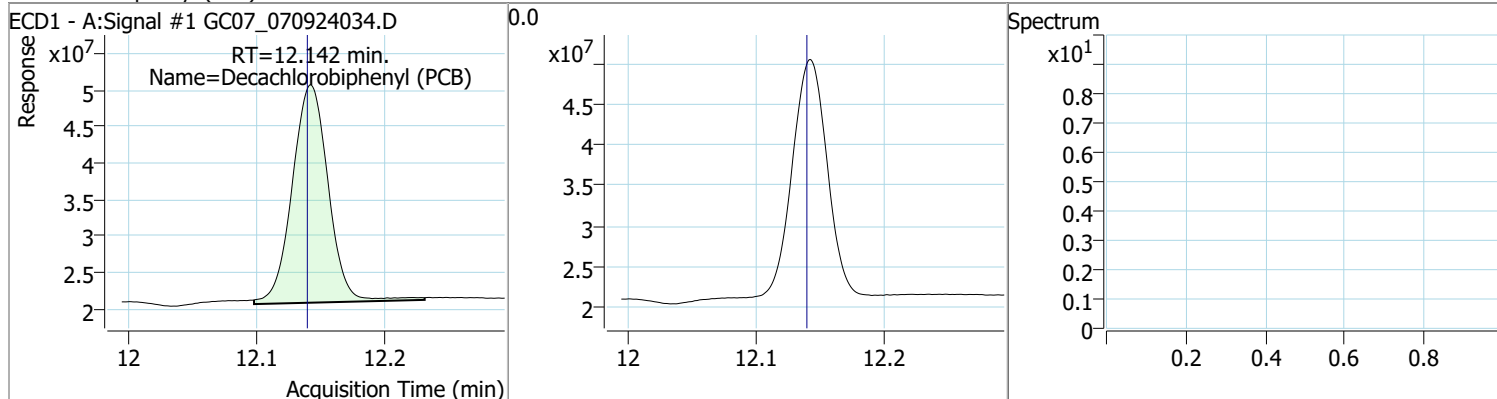
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.5796	11.12	0.01	50936				



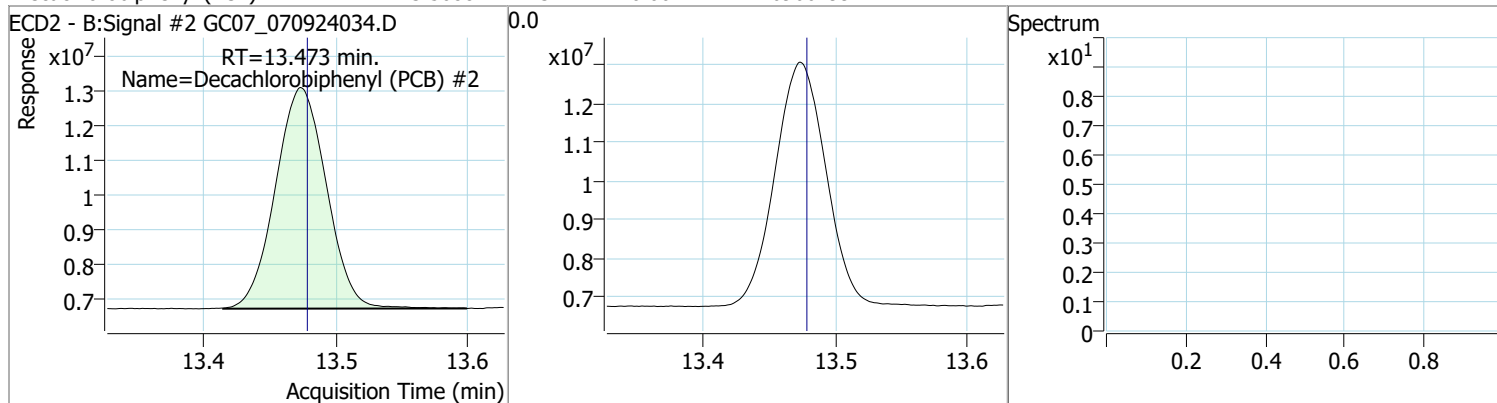
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.3009	11.85	0.05	448536				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.1281	12.14	-0.01	58743223				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	43.5088	13.47	0.00	16966199				



ENTHALPY SPIKE USER REPORT FOR 511603 PCBS Wipe
EPA 8082

Type: BS	Type: BSD
Inst: SVOA-GC07	Inst: SVOA-GC07
Seqnum: 464275615035.2	Seqnum: 464275615036.2
File: gc07_070924035	File: gc07_070924036
IDF: 1.0	IDF: 1.0
Lab ID: QC1167800	Lab ID: QC1167801
Matrix: Wipe	Matrix: Wipe
Batch: 344625	Batch: 344625
Time: 09-JUL-2024 19:41	Time: 09-JUL-2024 19:59
Cal: 464259633001	Cal: 464259633001
Units: ug/dm2	

- BS: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	458.1	4.581	B	92	440.0	4.400	B	88	60-140	4	20	u
Aroclor-1016 Peak # 1		464.4	4.644	B		440.6	4.406	B					
Aroclor-1016 Peak # 2		485.1	4.851	B		468.8	4.688	B					
Aroclor-1016 Peak # 3		419.5	4.195	B		403.8	4.038	B					
Aroclor-1016 Peak # 4		451.8	4.518	B		432.2	4.322	B					
Aroclor-1016 Peak # 5		469.5	4.695	B		454.6	4.546	B					
Aroclor-1260	5.000	462.5	4.625	B	93	436.7	4.367	B	87	60-140	6	20	u
Aroclor-1260 Peak # 1		497.0	4.970	B		468.6	4.686	B					
Aroclor-1260 Peak # 2		466.5	4.665	B		424.7	4.247	B					
Aroclor-1260 Peak # 3		524.6	5.246	B		495.3	4.953	B					
Aroclor-1260 Peak # 4		421.7	4.217	B		411.8	4.118	B					
Aroclor-1260 Peak # 5		402.9	4.029	B		383.1	3.831	B					
Surrogates													
TCMX (PCB)	0.5000	43.58	0.4358	B	87	41.76	0.4176	B	84	19-121			u
Decachlorobiphenyl (PCB)	0.5000	44.36	0.4436	B	89	41.75	0.4175	B	83	19-121			u

ISTD (CCV gc07_070924029)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	6121454	-15.13
1-bromo-2-nitrobenzene (PCB)	A	26536532	22455733	-15.38

ISTD (CCV gc07_070924029)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

ISTD (CCV gc07_070924029)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7213121	7624155	5.70
1-bromo-2-nitrobenzene (PCB)	A	26536532	27264416	2.74

ISTD (CCV gc07_070924029)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.31	4.31	0.00

07/10/24 : WIPE/1S-10ML [general version]

MES 07/10/24 [Aroclor-1016 A]: Corrected automatically drawn baseline for all channels for spike & dup. [general version]

MES 07/10/24 [Aroclor-1260 A]: Corrected automatically drawn baseline for all channels for spike & dup. [general version]

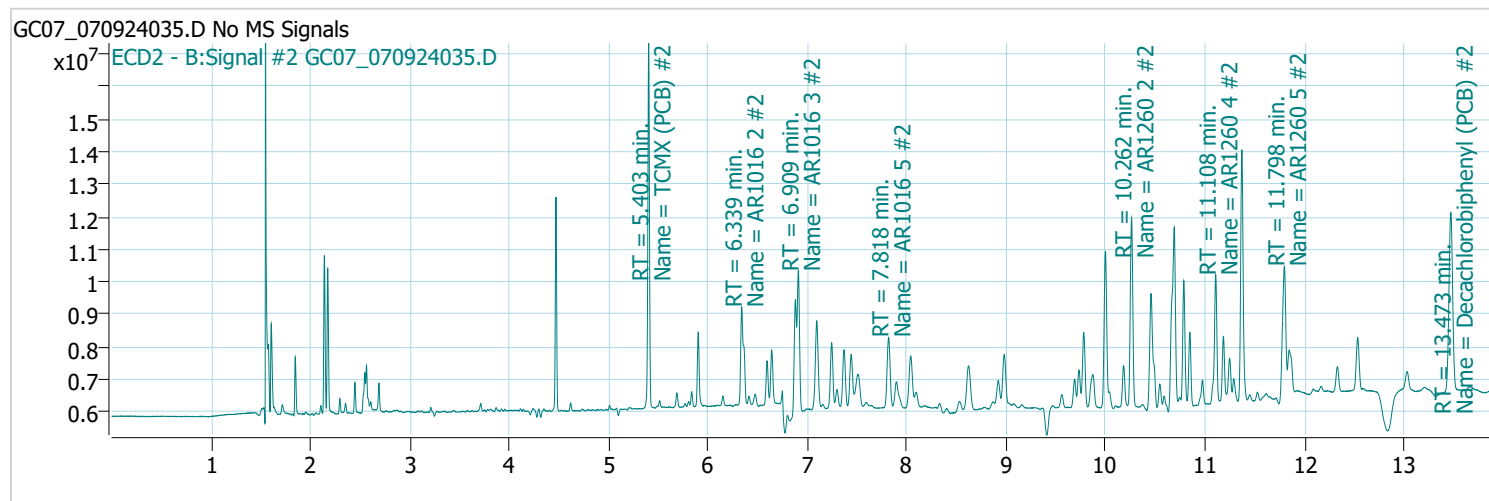
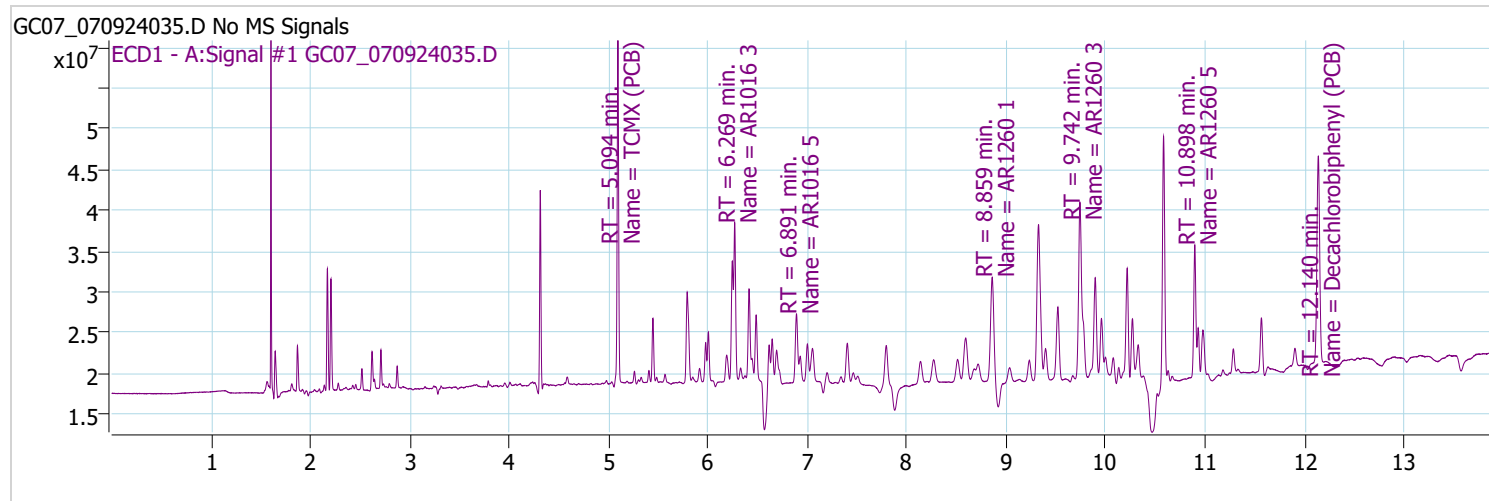
U=use

Analyst: MES 07/10/24

Reviewer: MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924035.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 7:41:36 PM
Sample Name	QC1167800, 344625, 1	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	22455733.0 14	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	6121453.76 3	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.094	0.0	45178001.1 98	42.9479	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.74%	*	
S TCMX (PCB) #2	5.403	0.0	12794395.9 45	43.5753	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.88%	*	
S Decachlorobiphenyl (PCB)	12.140	0.0	53461765.0 68	43.1811	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.91%	*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	14834372.9 70	44.3591	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.80%	*	

Target Compounds

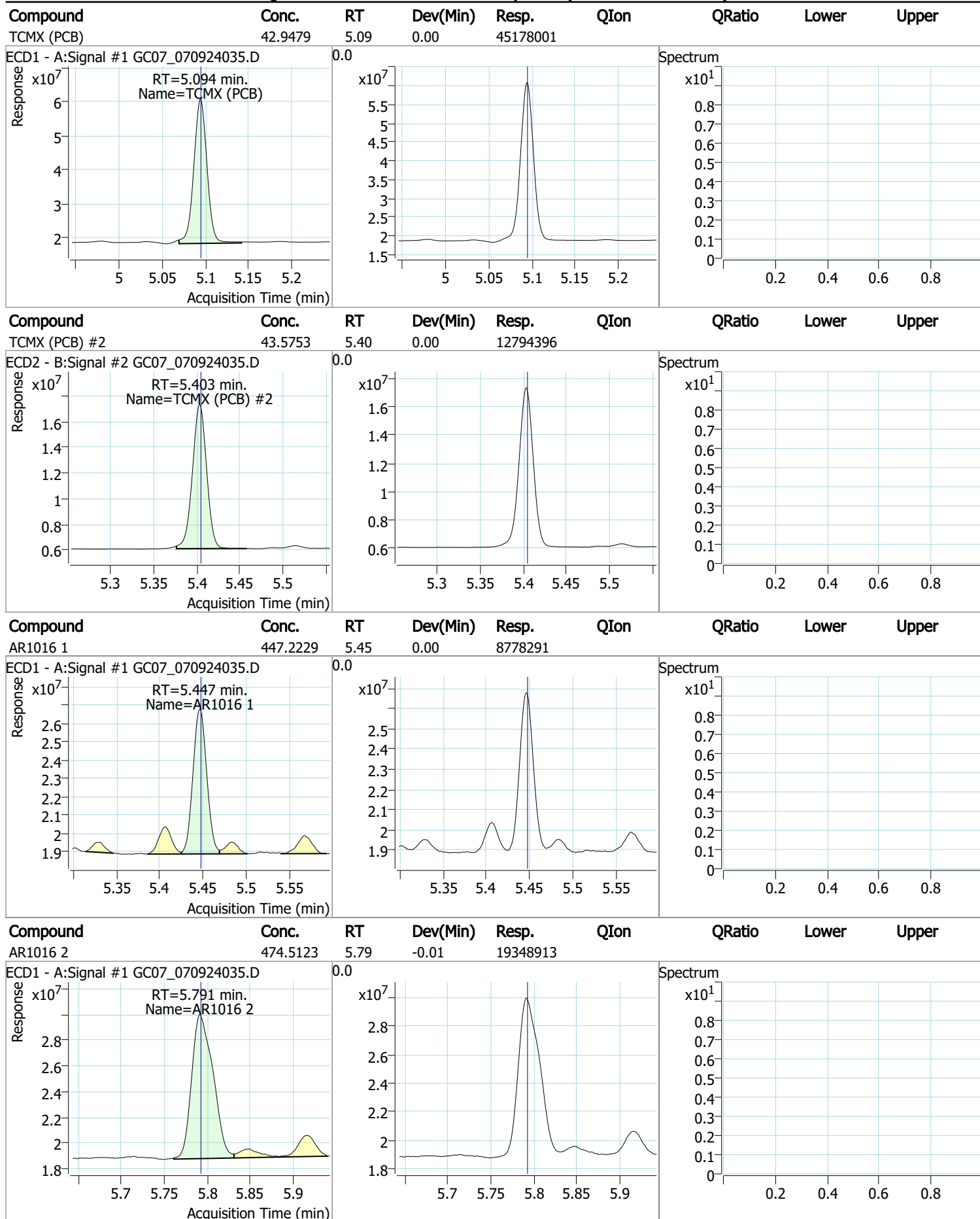
GC07_070924035.D

Quantitation Results Report (Not Reviewed)

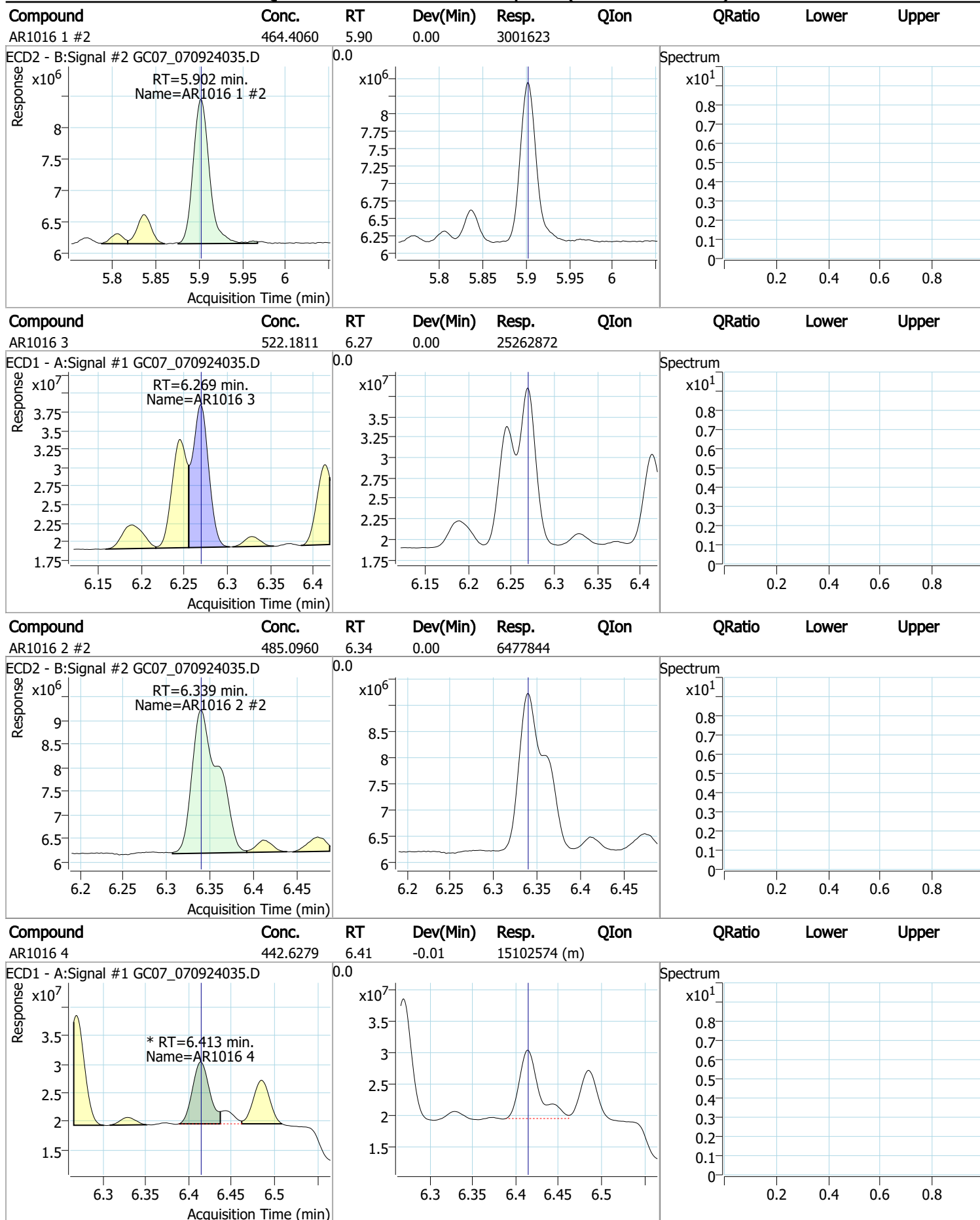
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.447	0.0	8778291.46 4	447.2229	ng/ml	100
T AR1016 2	5.791	0.0	19348912.5 87	474.5123	ng/ml	100
T AR1016 1 #2	5.902	0.0	3001623.45 7	464.4060	ng/ml	100
T AR1016 3	6.269	0.0	25262871.7 64	522.1811	ng/ml	100
T AR1016 2 #2	6.339	0.0	6477843.91 5	485.0960	ng/ml	100
T AR1016 4	6.413	0.0	15102574.1 92	442.6279	ng/ml m	100
T AR1016 5	6.891	0.0	14059436.4 61	468.7746	ng/ml	100
T AR1016 3 #2	6.909	0.0	6986828.82 5	419.5083	ng/ml m	100
T AR1016 4 #2	7.094	0.0	5562072.54 6	451.7678	ng/ml	100
T AR1016 5 #2	7.818	0.0	4675511.84 6	469.5428	ng/ml	100
T AR1260 1	8.859	0.0	29021049.5 67	482.4639	ng/ml m	100
T AR1260 2	9.325	0.0	46887742.2 66	510.3757	ng/ml	100
T AR1260 3	9.742	0.0	53279128.9 08	539.0094	ng/ml	100
T AR1260 1 #2	9.998	0.0	8802333.75 9	497.0294	ng/ml m	100
T AR1260 4	10.218	0.0	21361551.8 00	373.8032	ng/ml m	100
T AR1260 2 #2	10.262	0.0	10378188.9 13	466.4704	ng/ml	100
T AR1260 3 #2	10.691	0.0	14048144.7 21	524.5707	ng/ml	100
T AR1260 5	10.898	0.0	24804268.1 45	362.4724	ng/ml	100
T AR1260 4 #2	11.108	0.0	7140198.21 5	421.6527	ng/ml m	100
T AR1260 5 #2	11.798	0.0	10129981.2 28	402.9492	ng/ml m	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

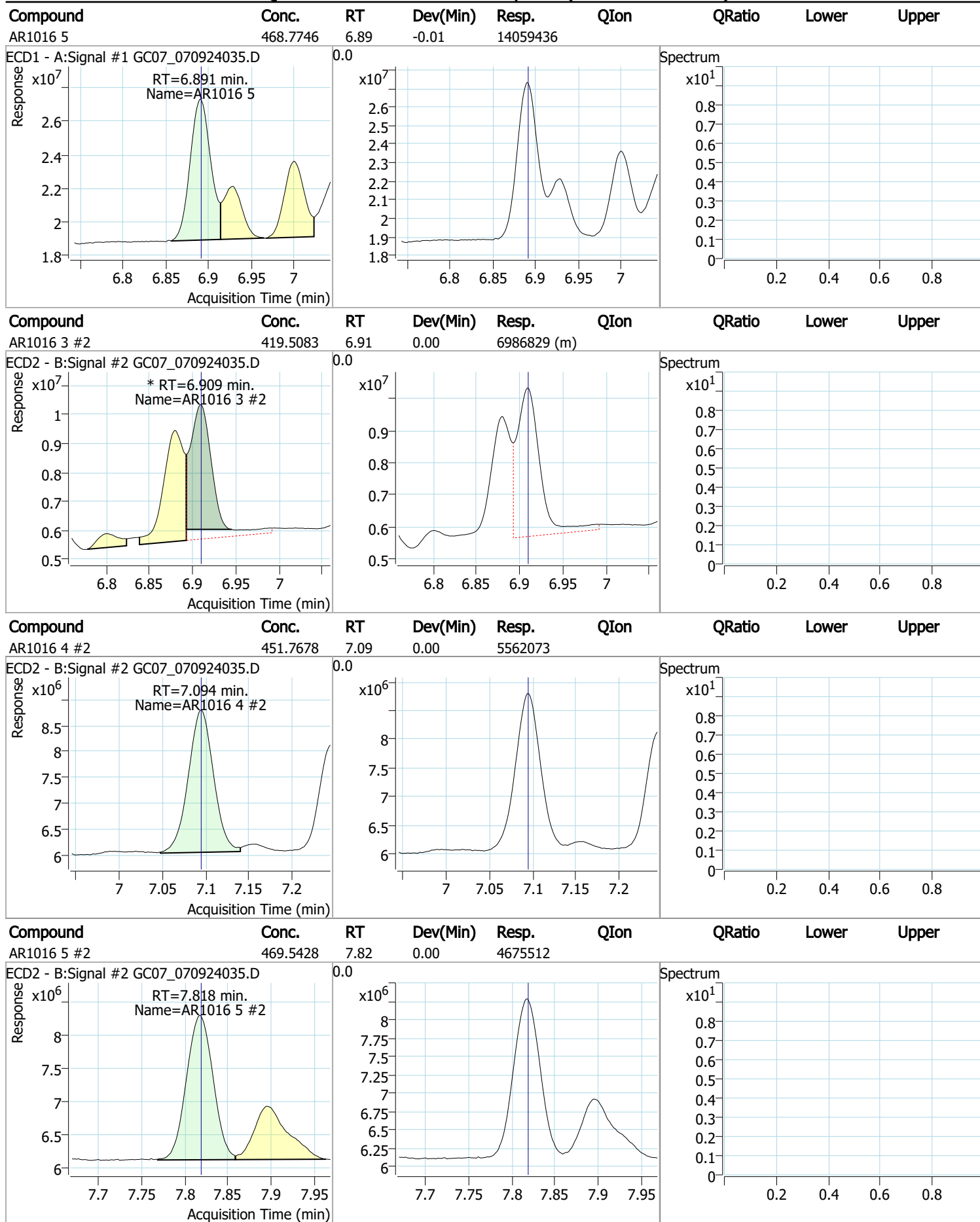
Quantitation Results Report (Not Reviewed)



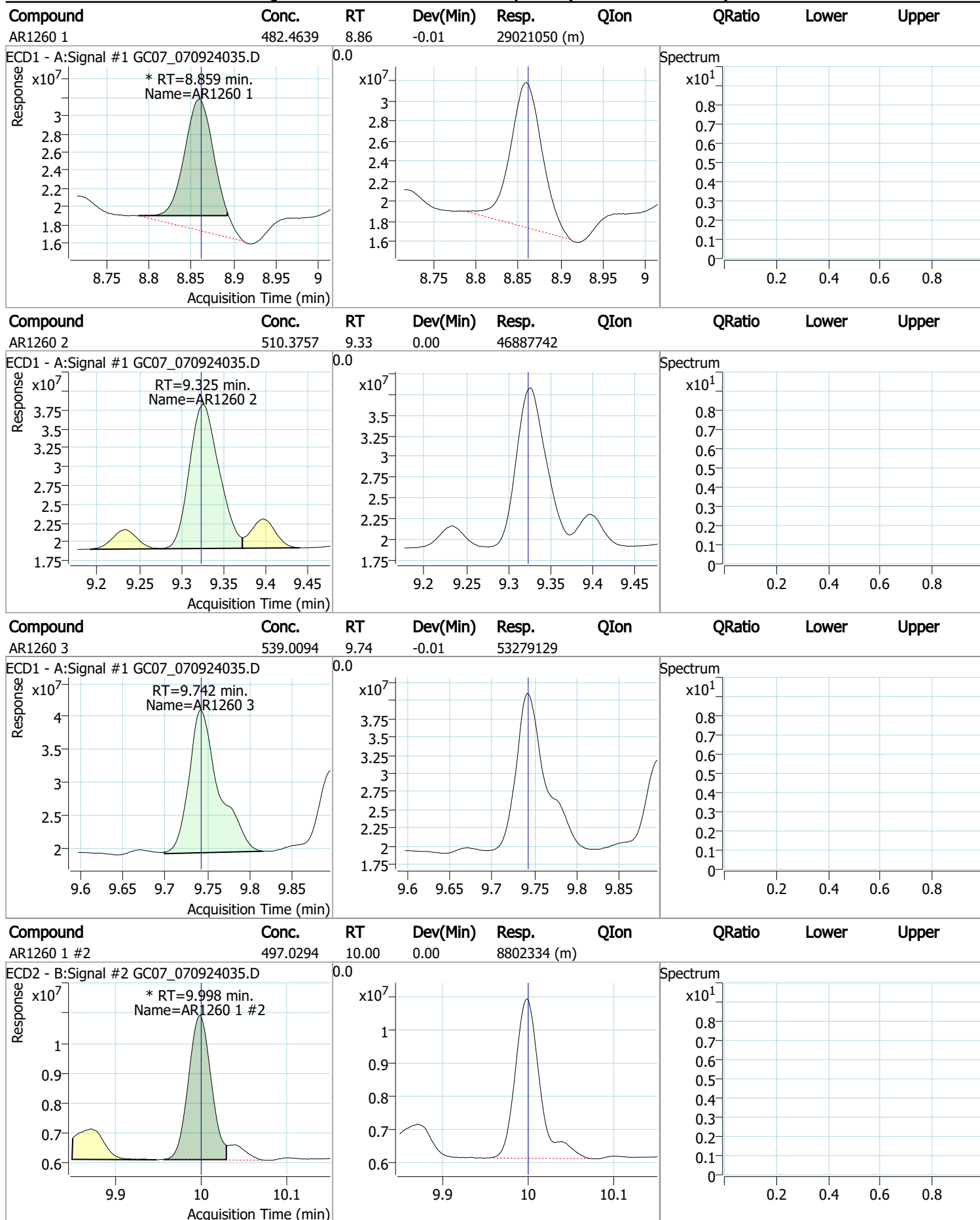
Quantitation Results Report (Not Reviewed)



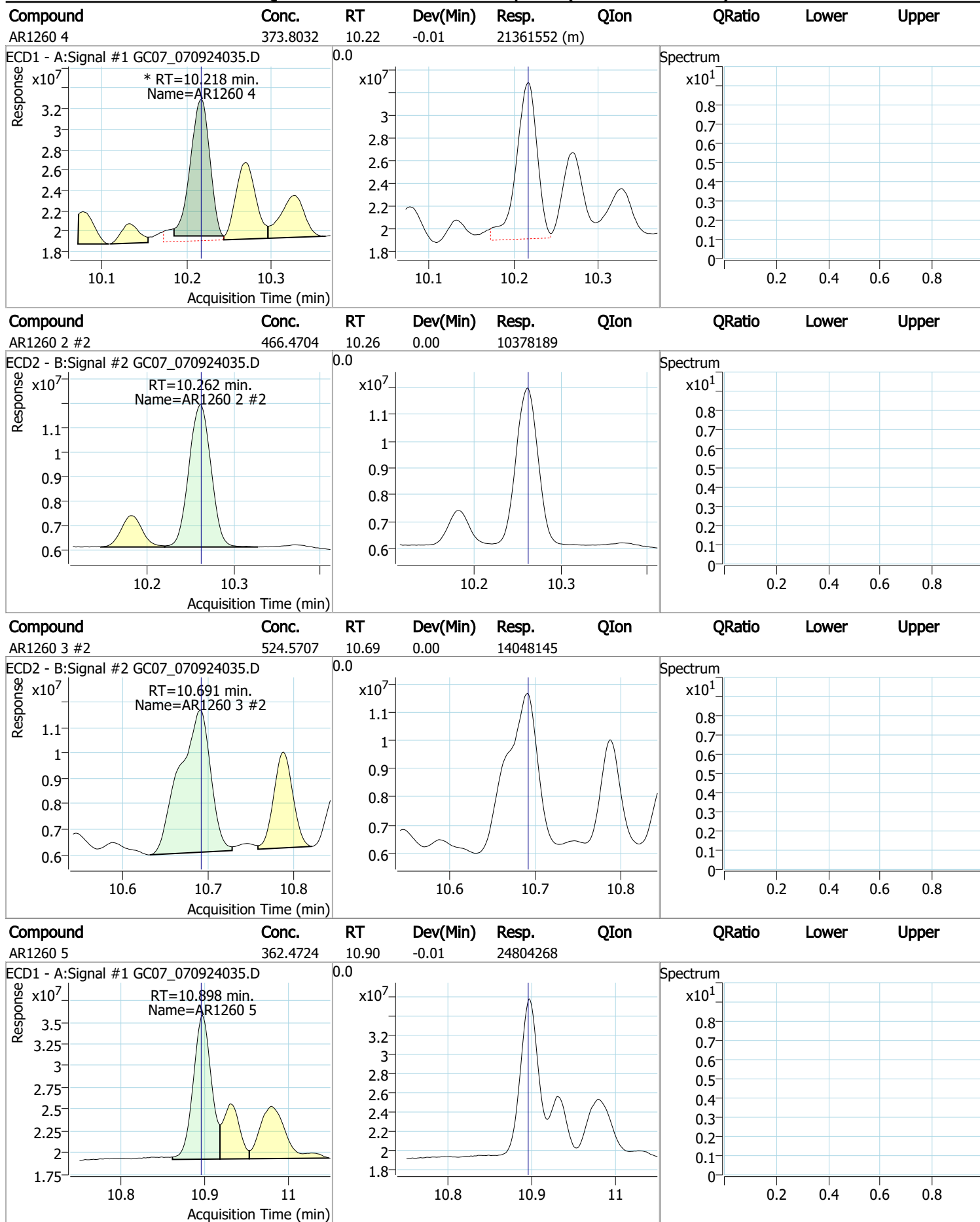
Quantitation Results Report (Not Reviewed)



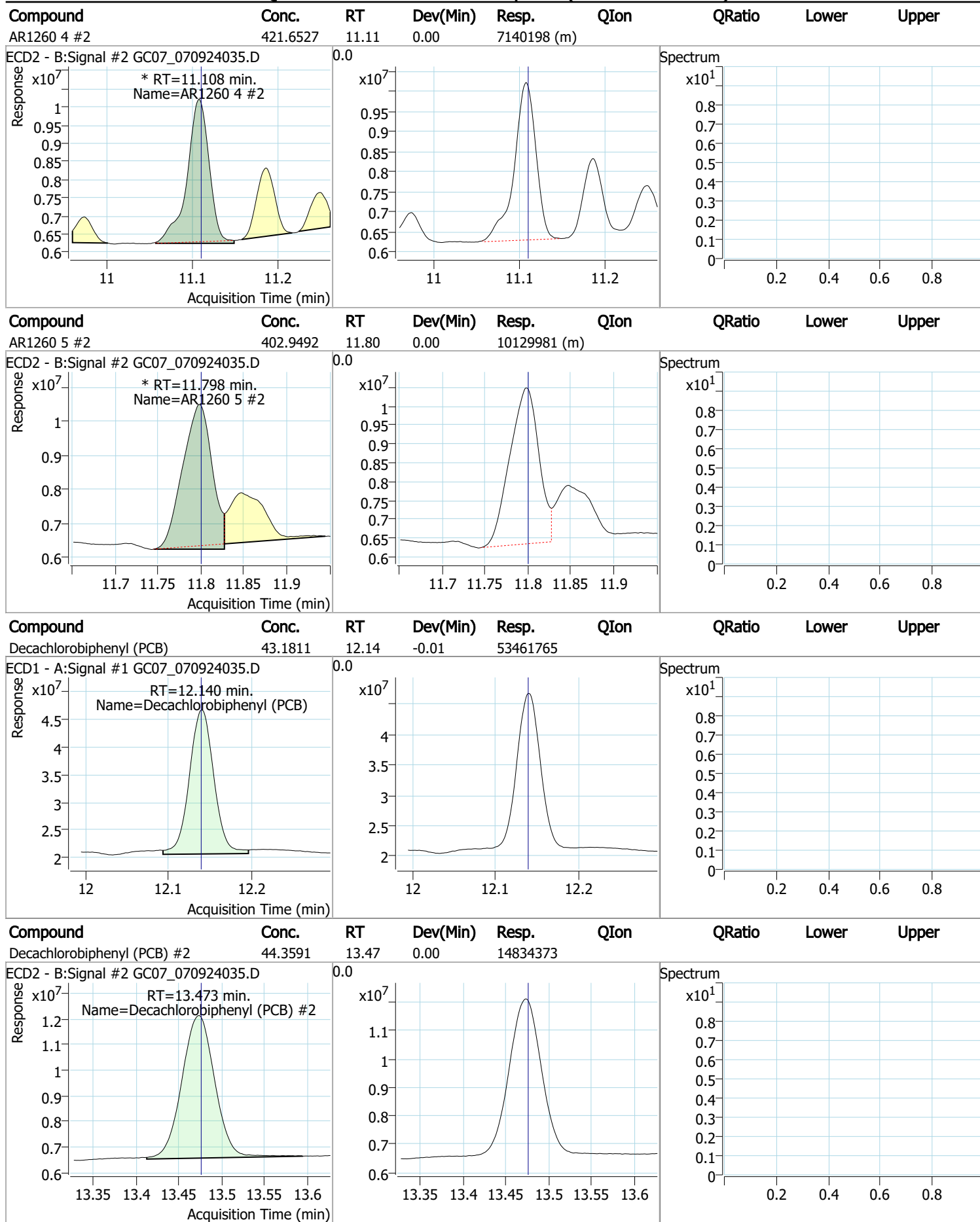
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

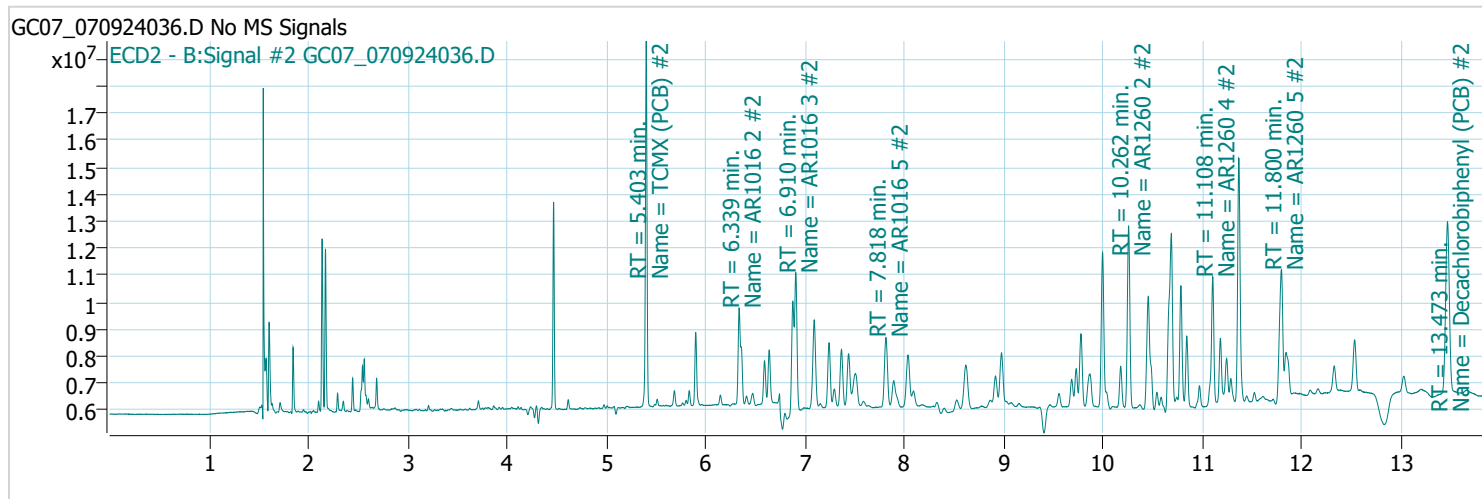
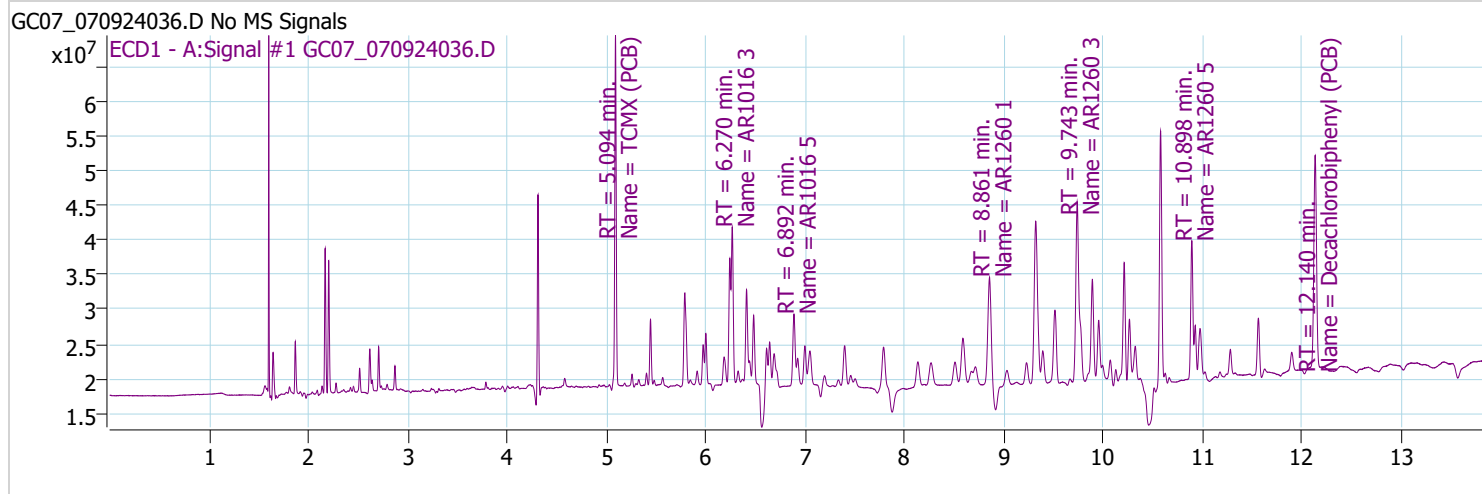


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC07_070924036.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 7:59:10 PM
Sample Name	QC1167801, 344625, 1	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.314	0.0	27264415.6 10	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	7624154.85 2	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.094	0.0	54228209.5 28	42.4591	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.30%	*	
S TCMX (PCB) #2	5.403	0.0	15271365.4 89	41.7601	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.80%	*	
S Decachlorobiphenyl (PCB)	12.140	0.0	63690962.9 04	42.3701	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.85%	*	
S Decachlorobiphenyl (PCB) #2	13.473	0.0	17387937.4 71	41.7469	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.73%	*	

Target Compounds

GC07_070924036.D

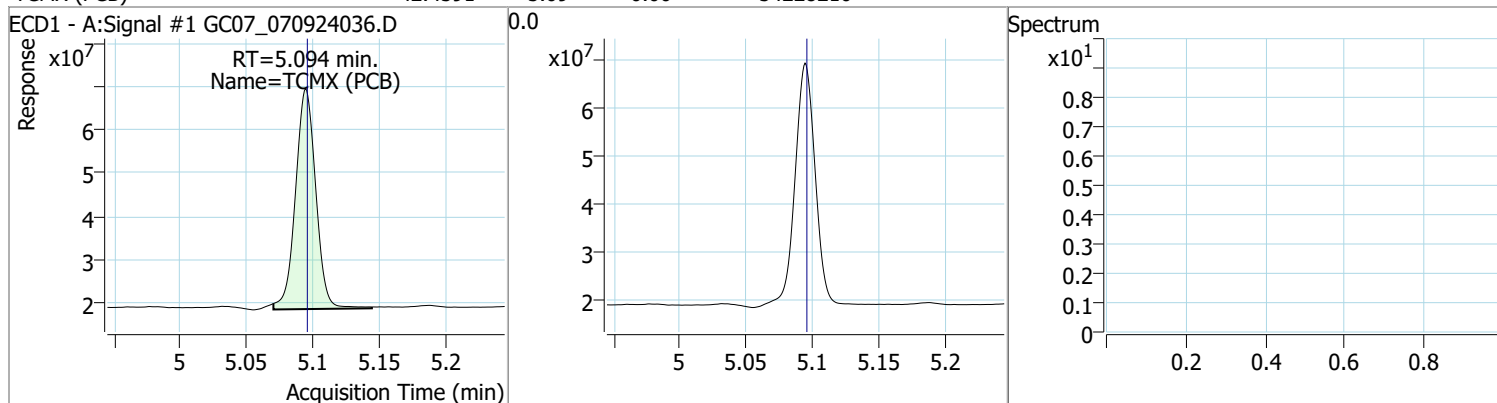
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.447	0.0	10503081.1 35	440.7190	ng/ml	100
T AR1016 2	5.793	0.0	23194621.1 51	468.4996	ng/ml	100
T AR1016 1 #2	5.903	0.0	3546520.50 2	440.5619	ng/ml	100
T AR1016 3	6.270	0.0	30008439.1 13	510.7105	ng/ml	100
T AR1016 2 #2	6.339	0.0	7797753.06 5	468.8453	ng/ml	100
T AR1016 4	6.414	0.0	18340089.4 13	442.7110	ng/ml	100
T AR1016 5	6.892	0.0	16938402.2 42	465.1571	ng/ml	100
T AR1016 3 #2	6.910	0.0	8376961.02 5	403.8405	ng/ml m	100
T AR1016 4 #2	7.095	0.0	6627263.65 2	432.1910	ng/ml	100
T AR1016 5 #2	7.818	0.0	5638190.64 1	454.6201	ng/ml	100
T AR1260 1	8.861	0.0	35181450.6 75	481.7220	ng/ml m	100
T AR1260 2	9.326	0.0	56241946.7 41	504.2223	ng/ml	100
T AR1260 3	9.743	0.0	64207211.7 80	535.0003	ng/ml	100
T AR1260 1 #2	9.999	0.0	10336743.1 61	468.6308	ng/ml m	100
T AR1260 4	10.217	0.0	25781296.5 00	371.5746	ng/ml m	100
T AR1260 2 #2	10.262	0.0	11768680.5 26	424.7107	ng/ml	100
T AR1260 3 #2	10.692	0.0	16519696.2 43	495.2791	ng/ml	100
T AR1260 5	10.898	0.0	30682397.4 61	369.2911	ng/ml	100
T AR1260 4 #2	11.108	0.0	8684740.12 1	411.7791	ng/ml m	100
T AR1260 5 #2	11.800	0.0	11993852.1 96	383.0568	ng/ml m	100

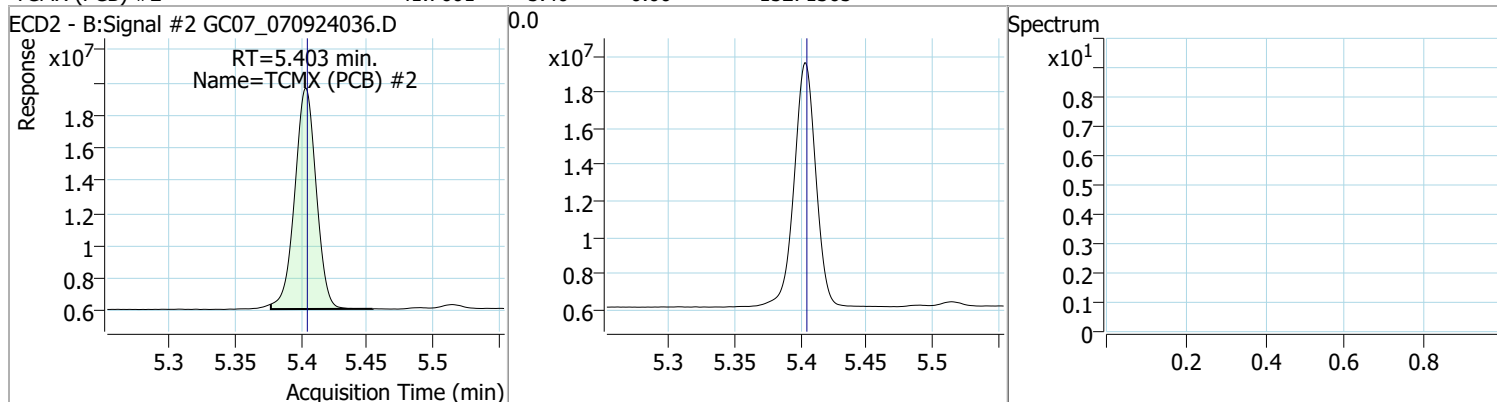
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

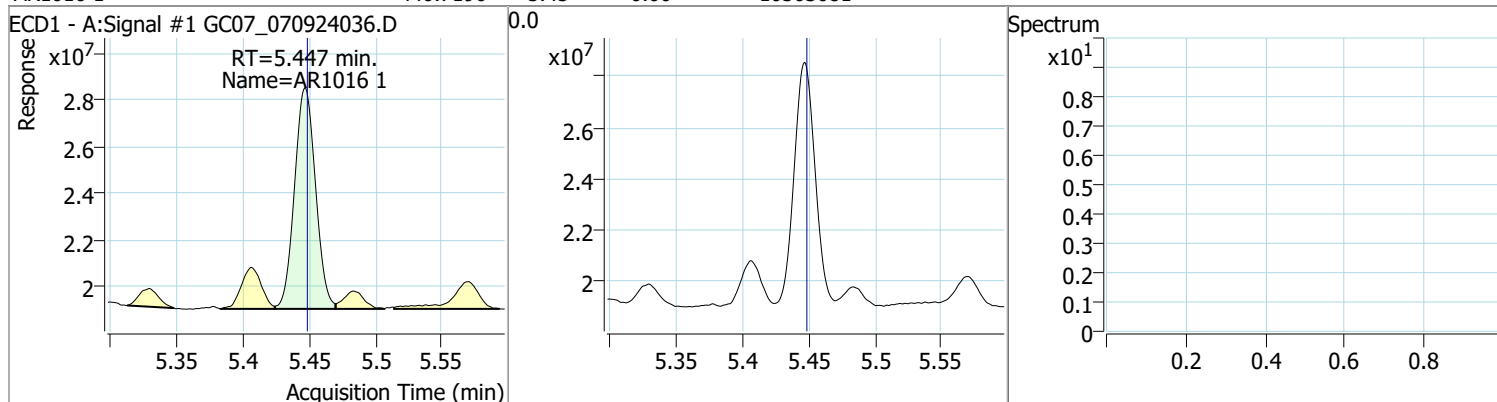
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.4591	5.09	0.00	54228210				



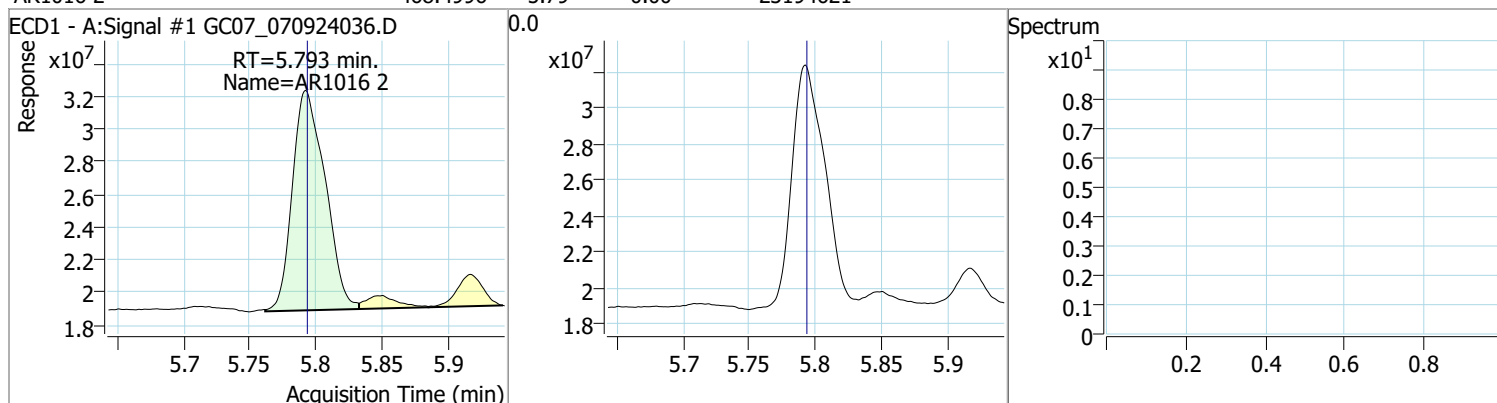
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.7601	5.40	0.00	15271365				



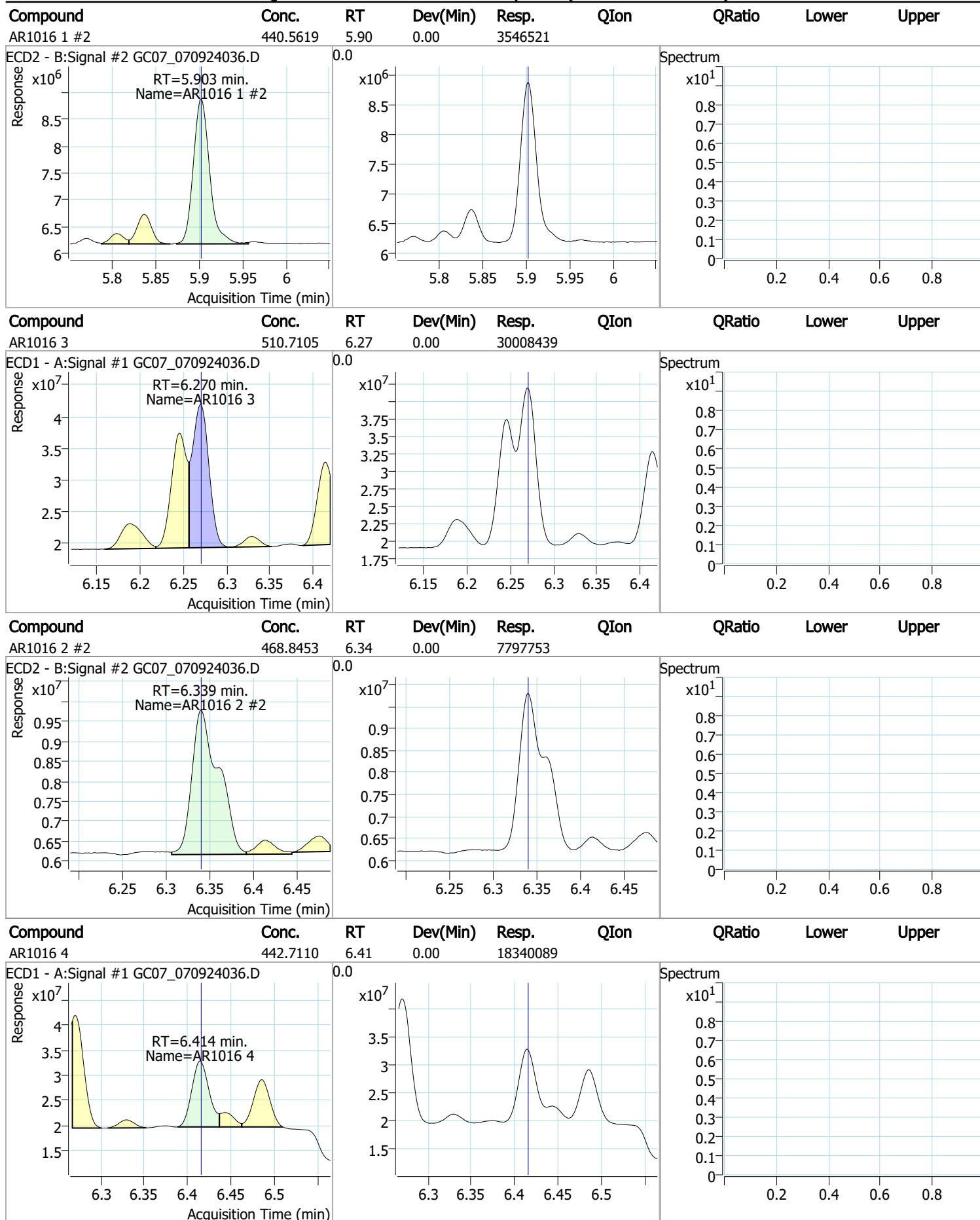
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	440.7190	5.45	0.00	10503081				



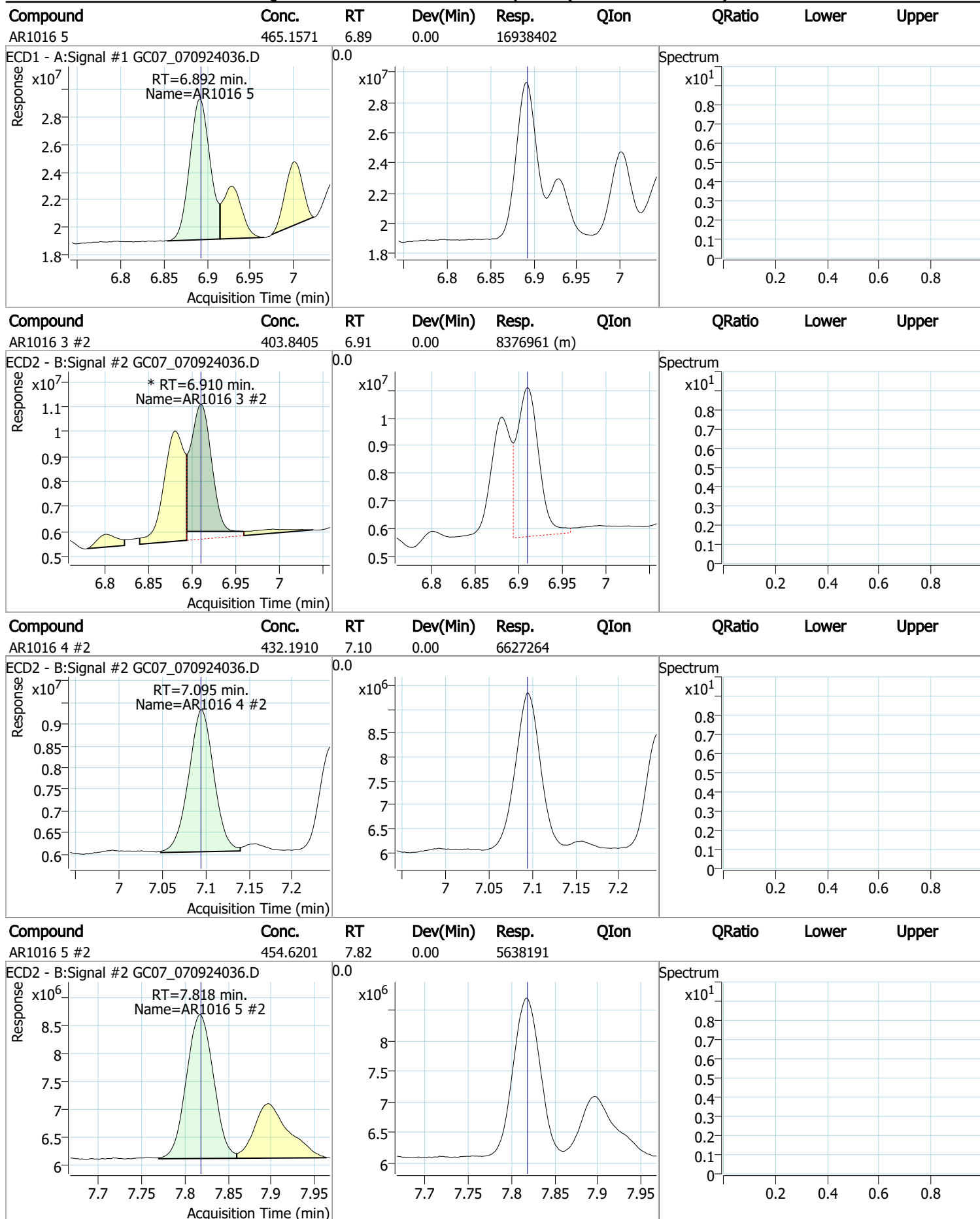
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	468.4996	5.79	0.00	23194621				



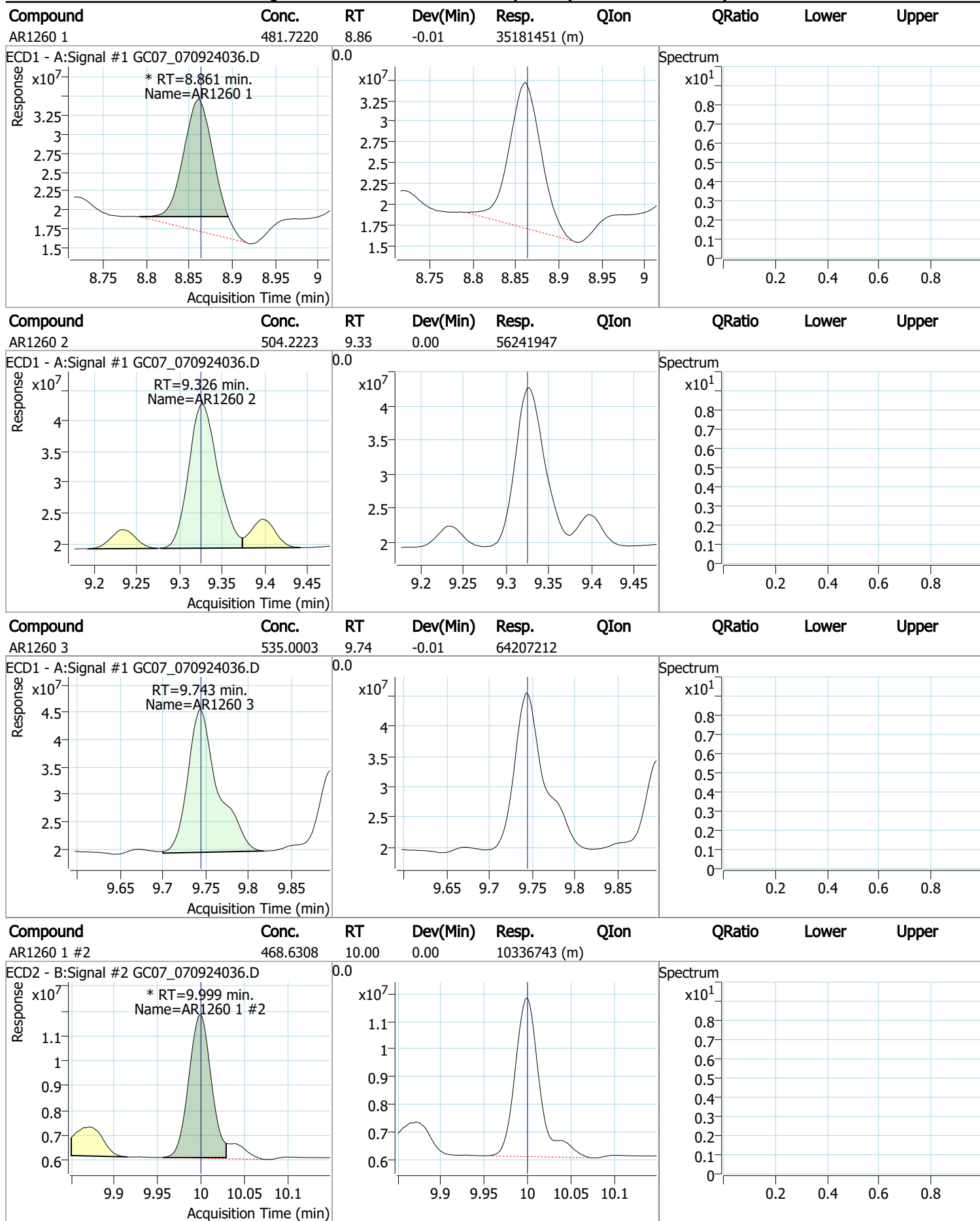
Quantitation Results Report (Not Reviewed)



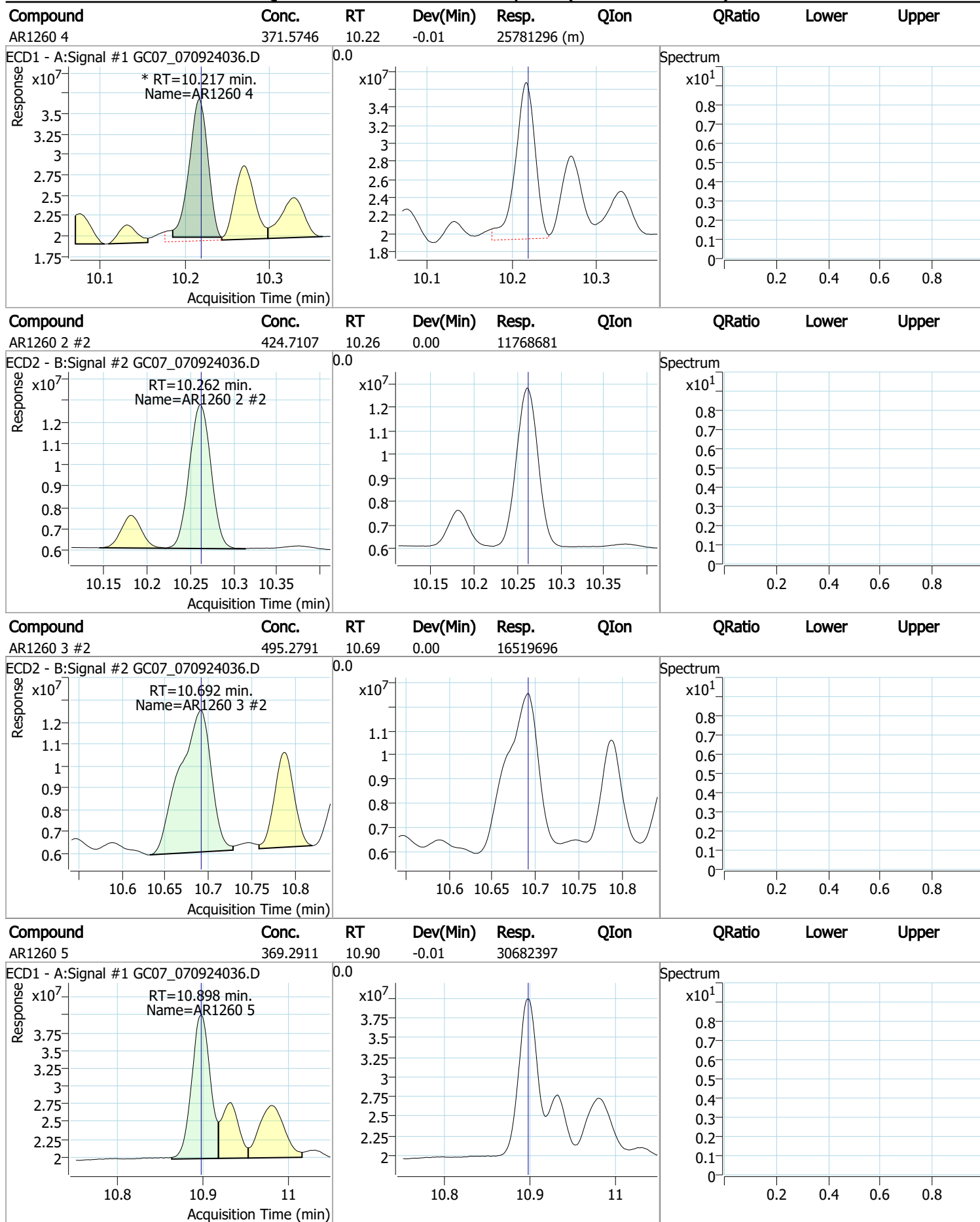
Quantitation Results Report (Not Reviewed)



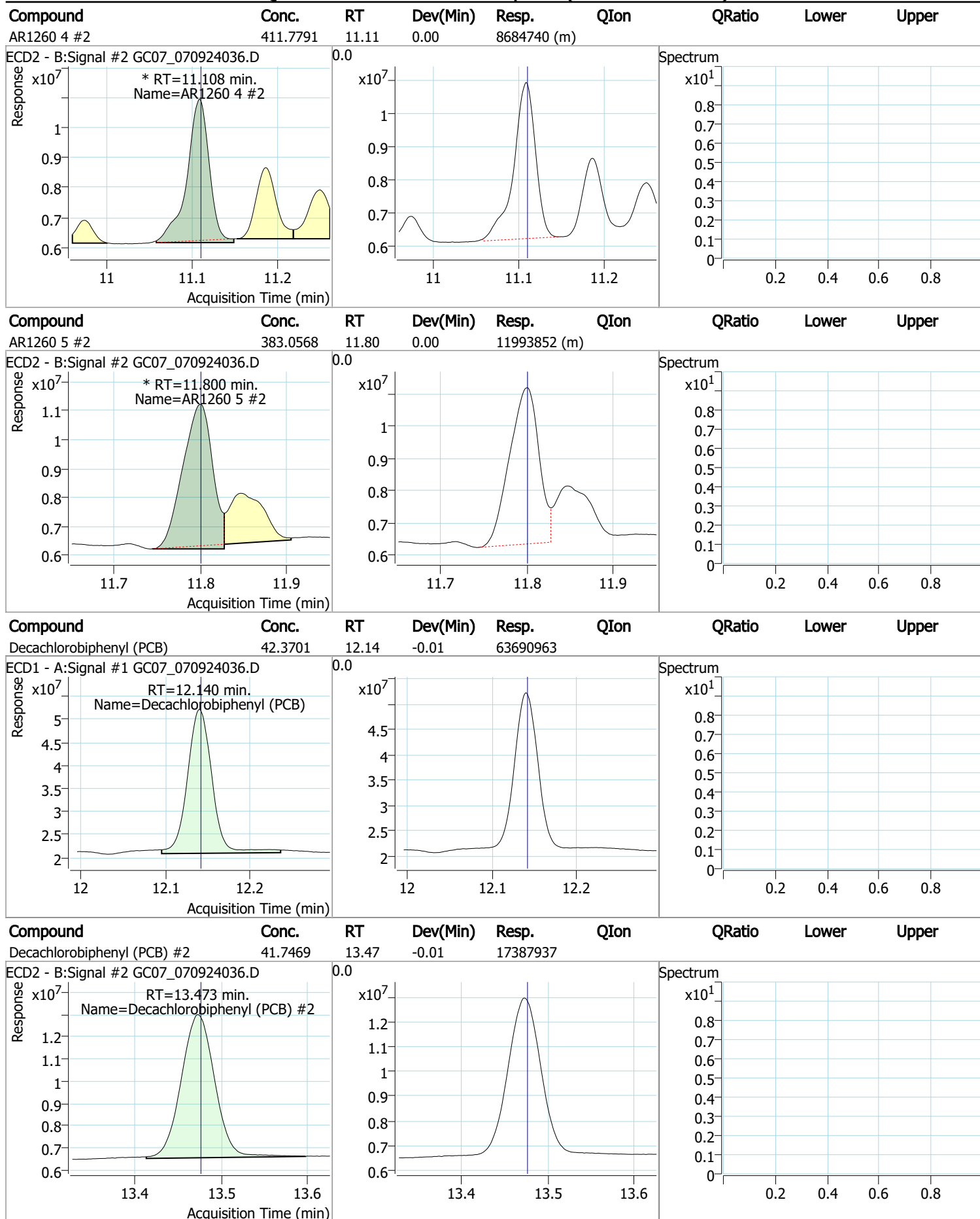
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Initial Calibration Raw Data

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r ²	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = $a0 + (\text{amount} \times a1) + (\text{amount}^2 \times a2)$ (invert equation before quantitating)

Where the X-Axis holds the (R)esponse: Instrument amount = $a0 + (\text{response} \times a1) + (\text{response}^2 \times a2)$

AVRG: Average response factor

QUAD: Quadratic regression

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	10.000	16	20.000	36	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	-21	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	38	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	22	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	24	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	21	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	-21
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	-21		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 511603 PCBS Wipe
EPA 8082

Inst: SVOA-GC07	Name: PCB_ICAL_062824
Calnum: 464259633001	Cal Date: 28-JUN-2024

• ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

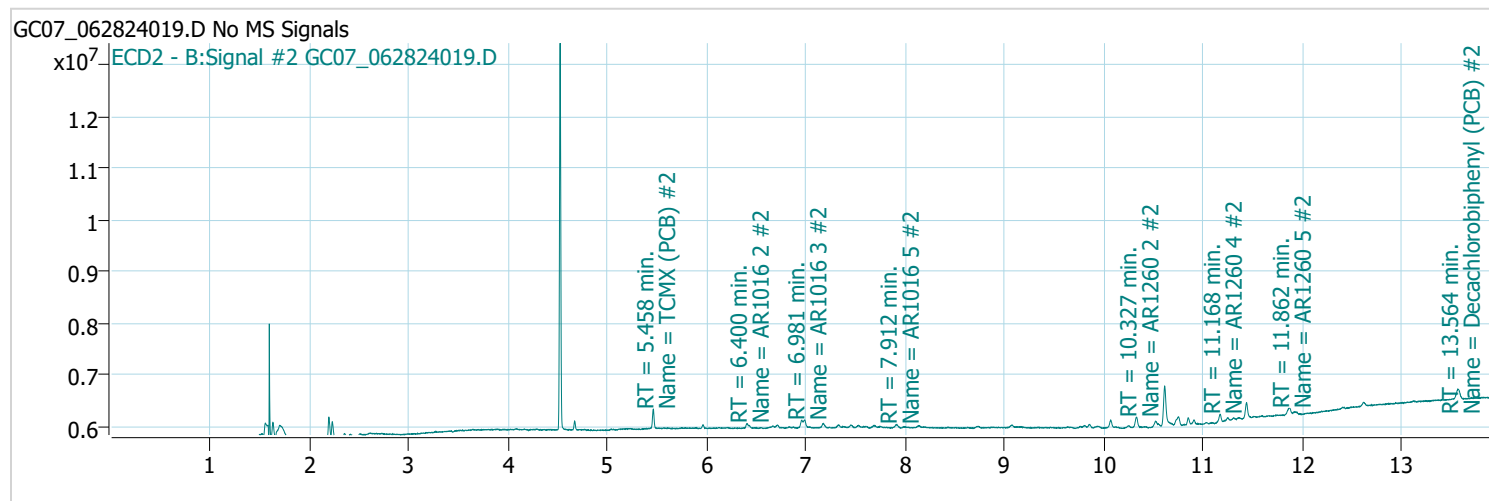
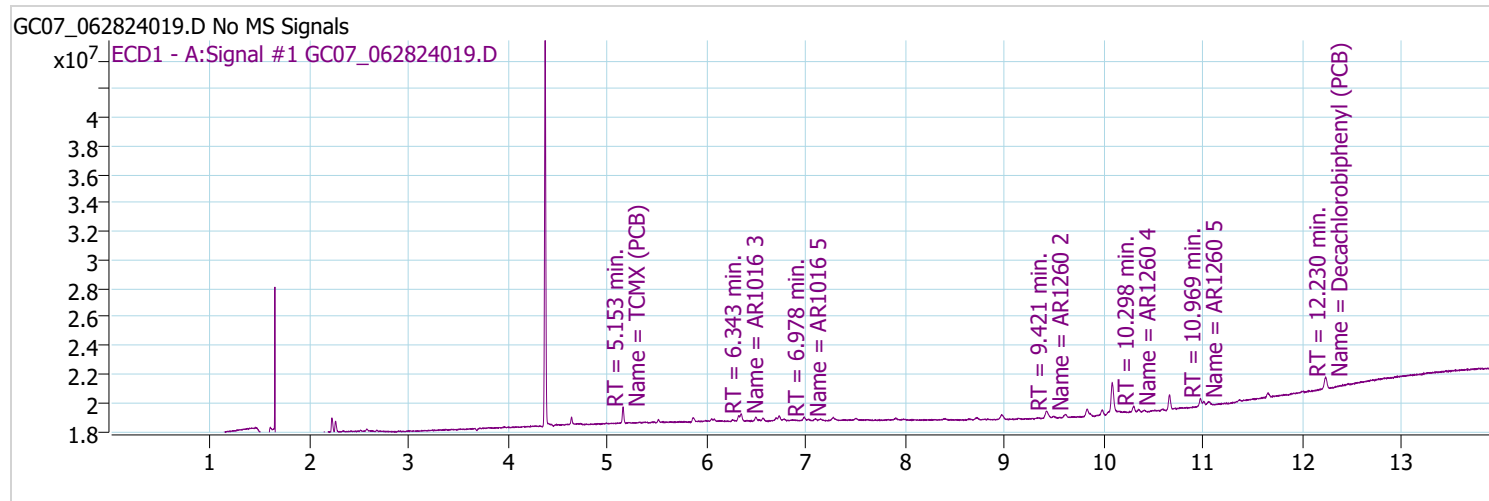
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Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_062824019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 12:46:26 PM
Sample Name	ICAL, S20882	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	10 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	24571557.1 63	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	6870927.88 4	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	1261418.44 3	1.0959	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.48%	*	
S TCMX (PCB) #2	5.458	0.0	479922.074	1.4562	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.28%	*	
S Decachlorobiphenyl (PCB)	12.230	0.0	1592723.13 1	1.1757	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.88%	*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	529439.591	1.4105	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.05%	*	

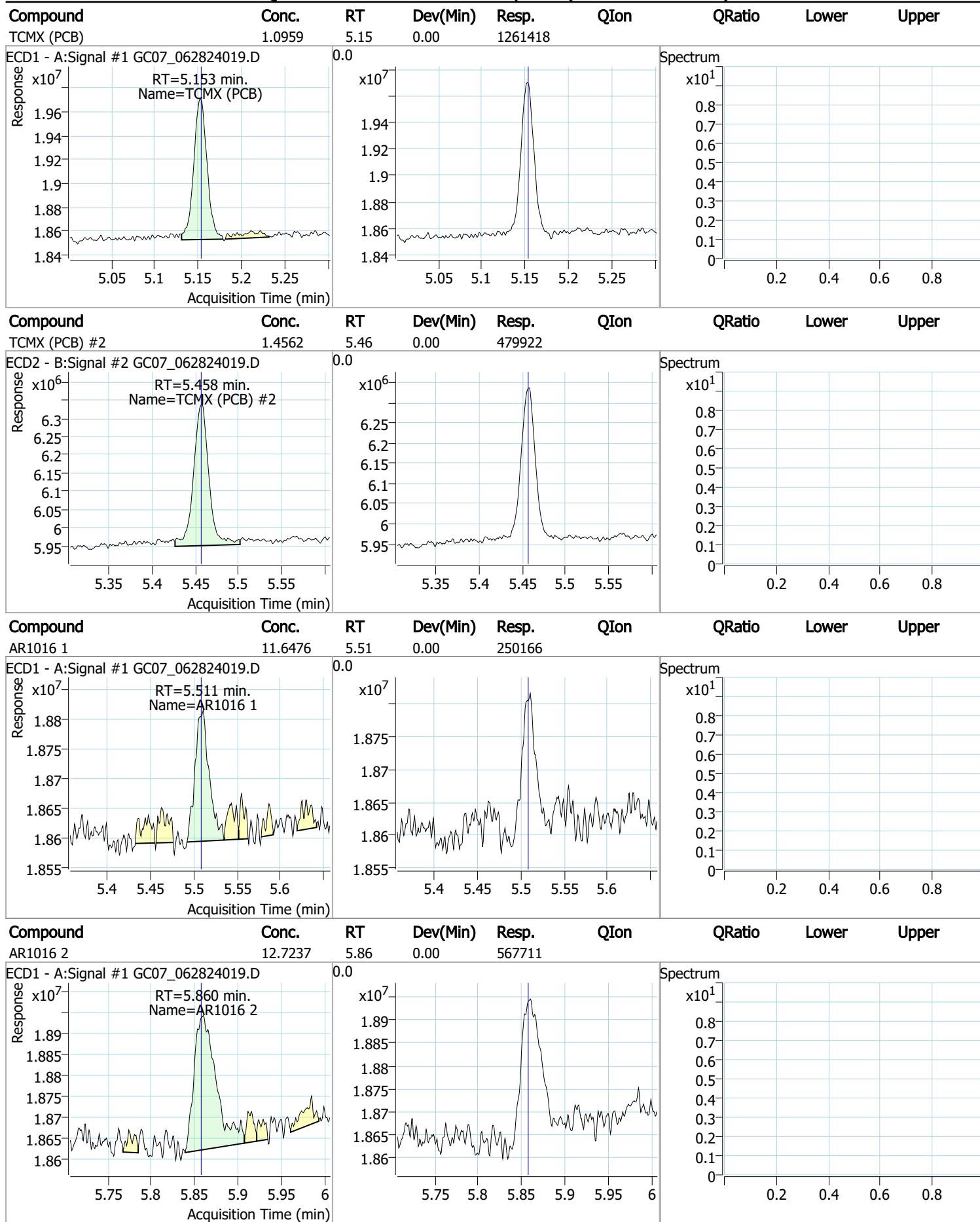
Target Compounds	RT	QIon	Resp.	Conc.	Units	QValue
T AR1016 1	5.511	0.0	250166.382	11.6476	ng/ml	100

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.860	0.0	567711.062	12.7237	ng/ml	100
T AR1016 1 #2	5.955	0.0	98252.376	13.5433	ng/ml	100
T AR1016 3	6.343	0.0	823683.187	14.7144	ng/ml	100
T AR1016 2 #2	6.400	0.0	234963.615	15.6761	ng/ml	100
T AR1016 4	6.490	0.0	523436.173	14.0199	ng/ml	100
T AR1016 5	6.978	0.0	382913.674	11.6679	ng/ml	100
T AR1016 3 #2	6.981	0.0	274478.452	14.6828	ng/ml	100
T AR1016 4 #2	7.171	0.0	169636.591	12.2754	ng/ml	100
T AR1016 5 #2	7.912	0.0	145456.994	13.0143	ng/ml	100
T AR1260 1	8.965	0.0	830630.752	12.6199	ng/ml	100
T AR1260 2	9.421	0.0	1329214.967	13.2227	ng/ml	100
T AR1260 3	9.828	0.0	1281172.483	11.8452	ng/ml	100
T AR1260 1 #2	10.065	0.0	300993.079	15.1419	ng/ml	100
T AR1260 4	10.298	0.0	688961.990	11.0179	ng/ml	100
T AR1260 2 #2	10.327	0.0	408888.473	16.3737	ng/ml	100
T AR1260 3 #2	10.747	0.0	385734.045	12.8325	ng/ml	100
T AR1260 5	10.969	0.0	908059.589	12.1271	ng/ml	100
T AR1260 4 #2	11.168	0.0	258781.502	13.6150	ng/ml	100
T AR1260 5 #2	11.862	0.0	362498.558	12.8466	ng/ml	100

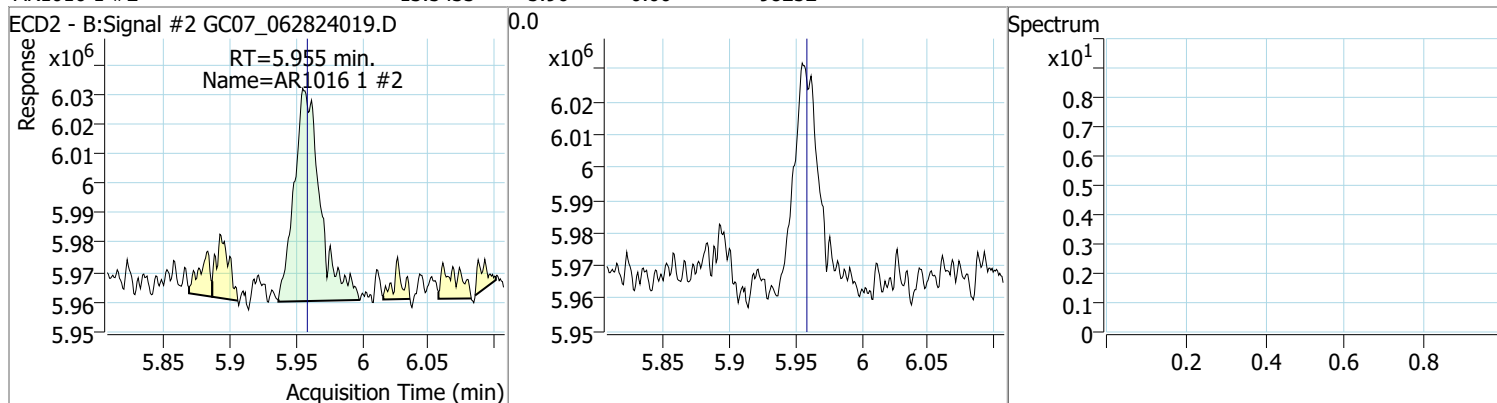
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

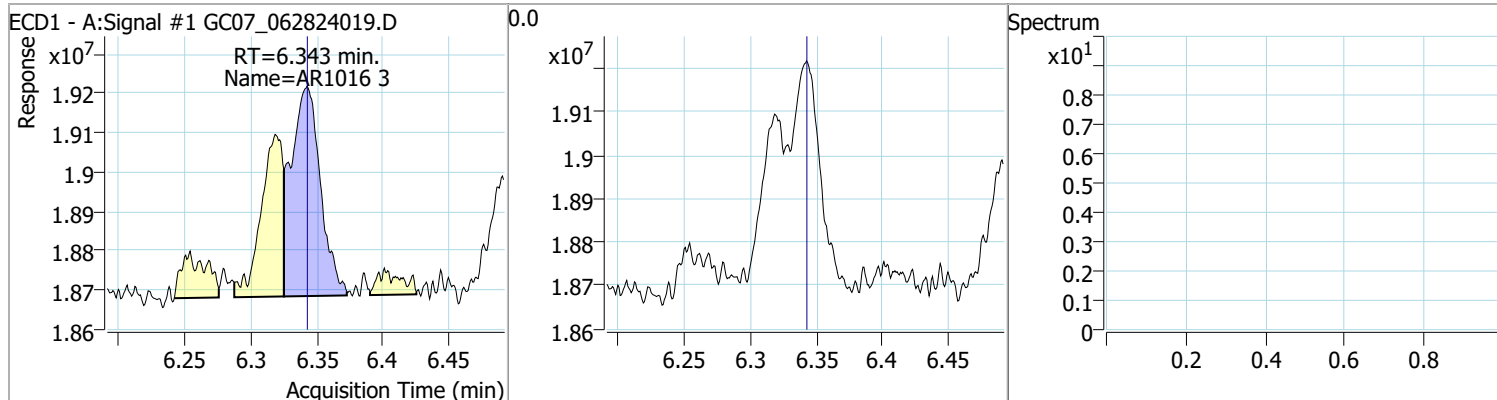


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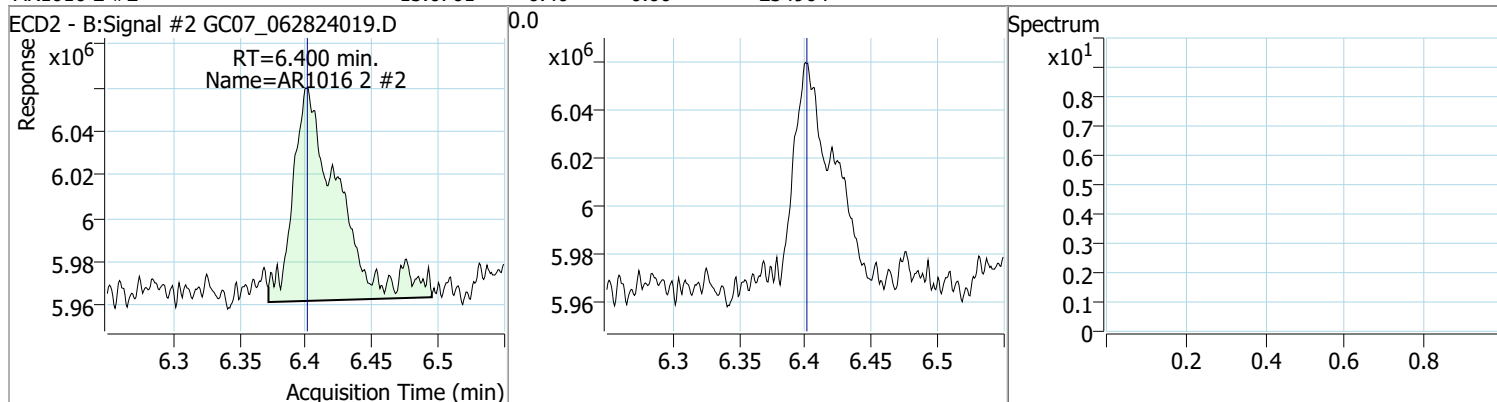
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	13.5433	5.96	0.00	98252				



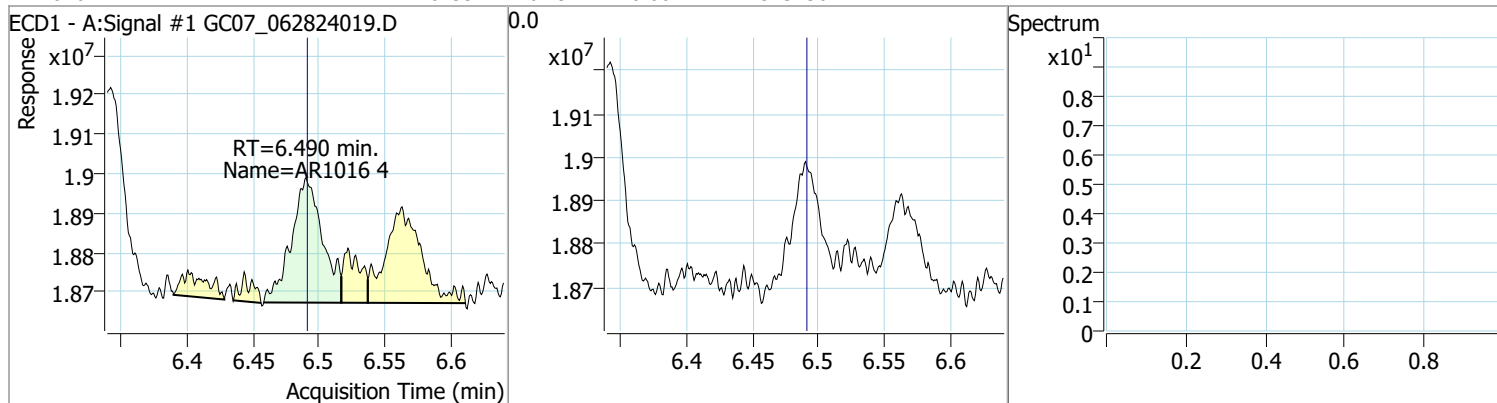
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	14.7144	6.34	0.00	823683				



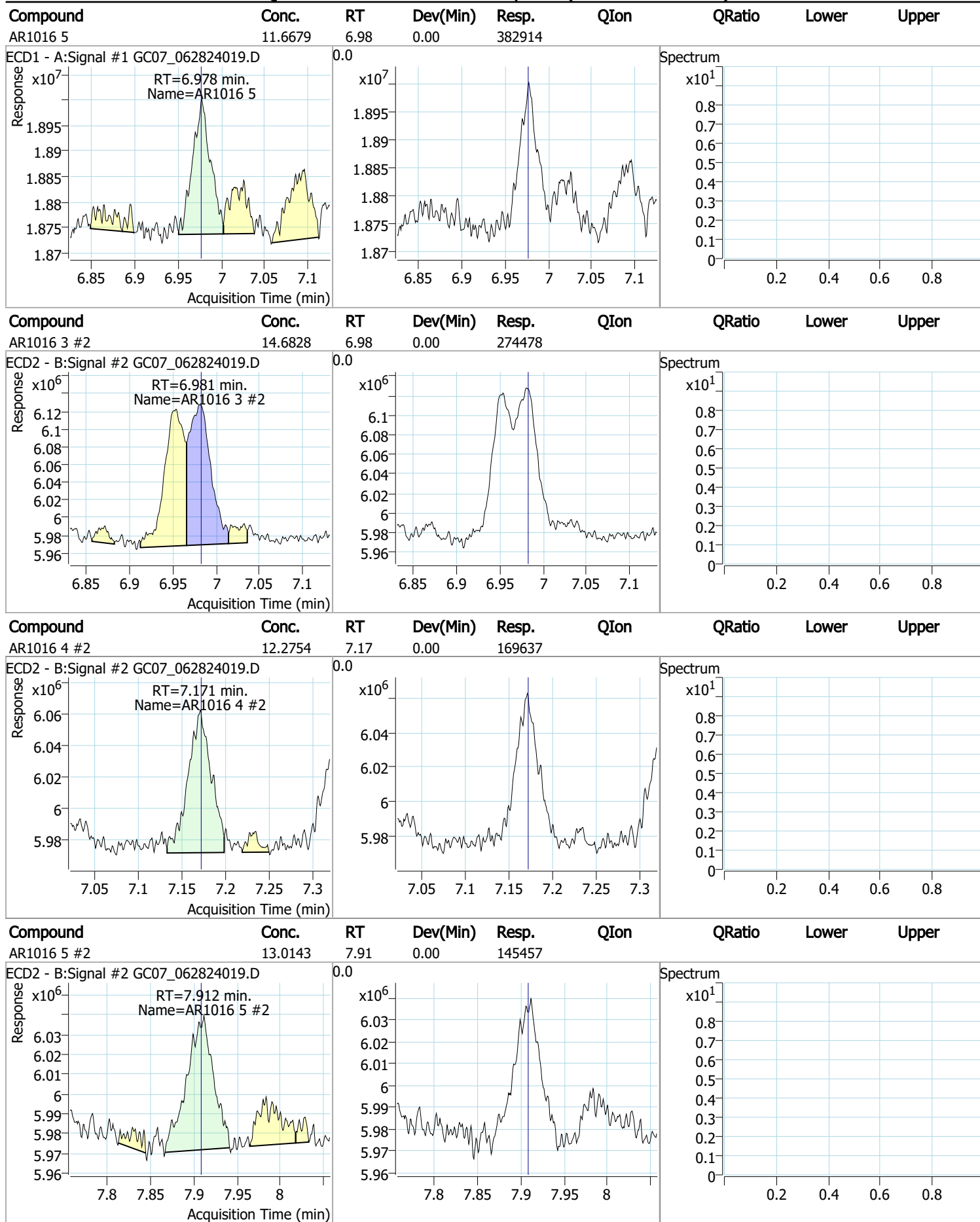
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	15.6761	6.40	0.00	234964				



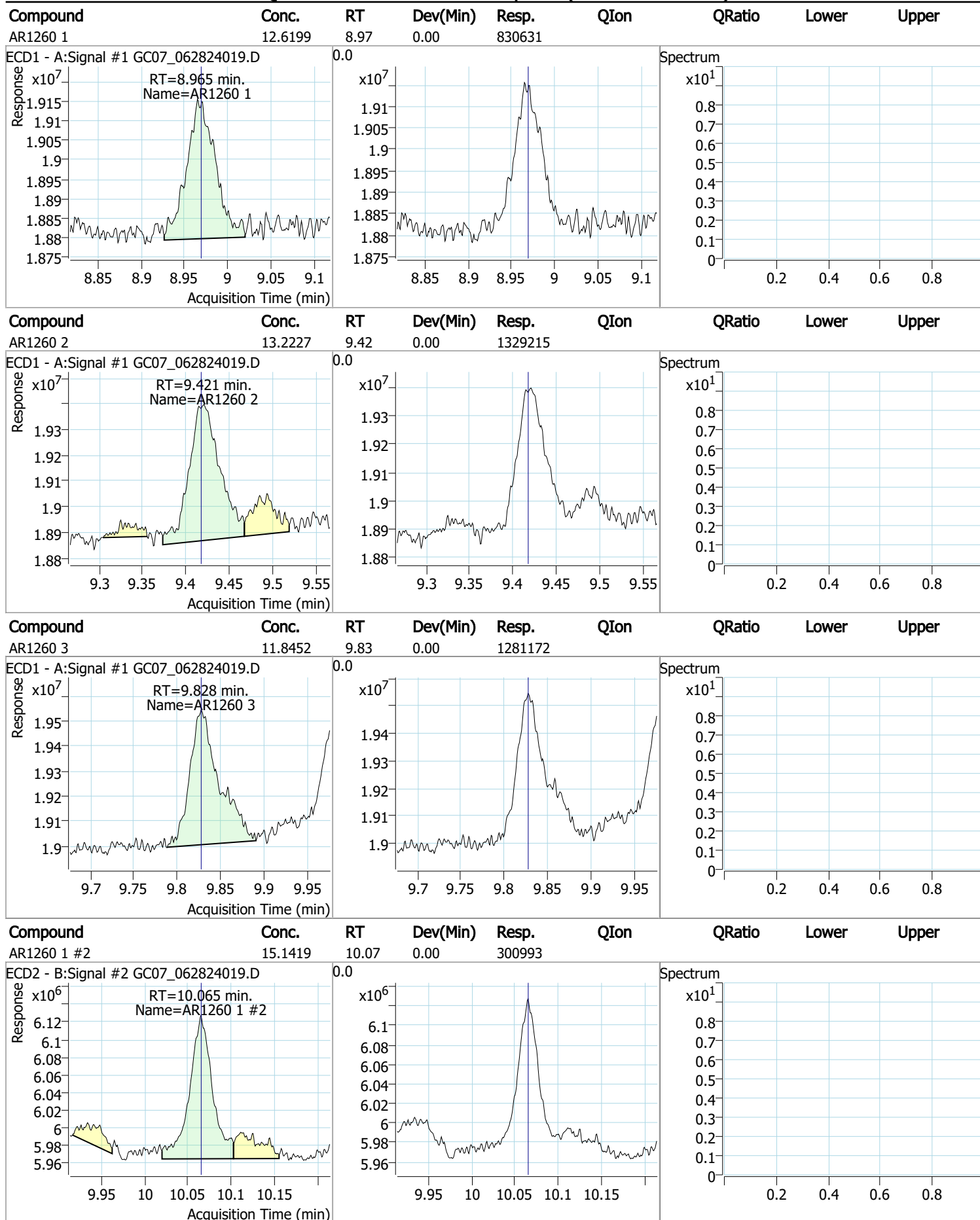
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	14.0199	6.49	0.00	523436				



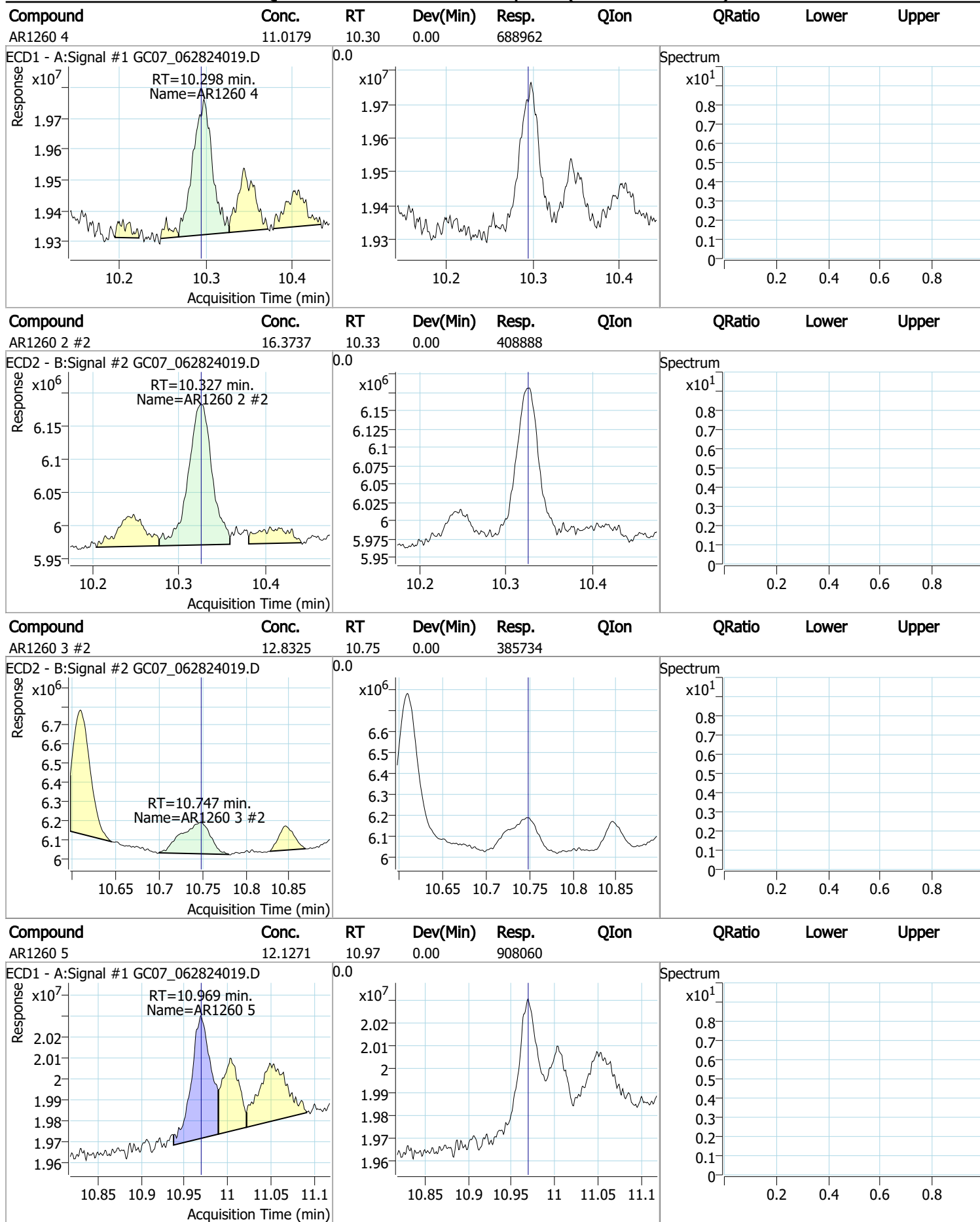
Quantitation Results Report (Not Reviewed)



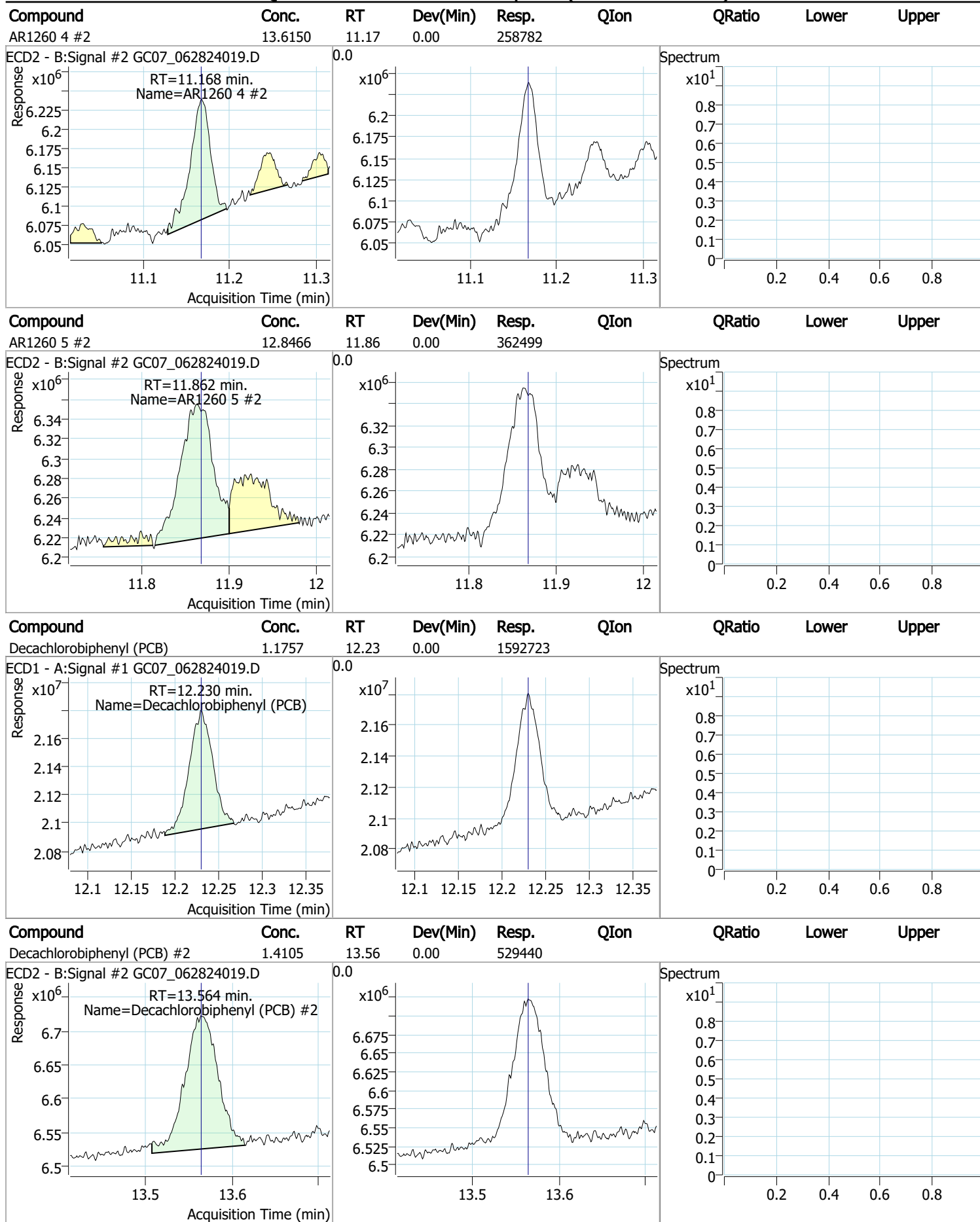
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

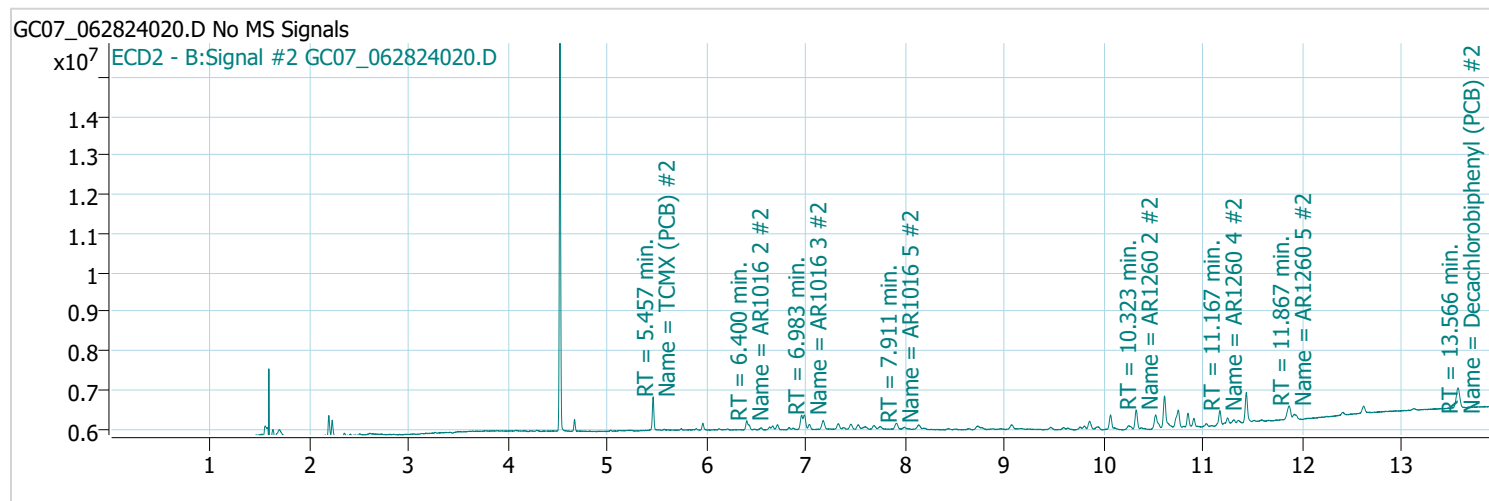
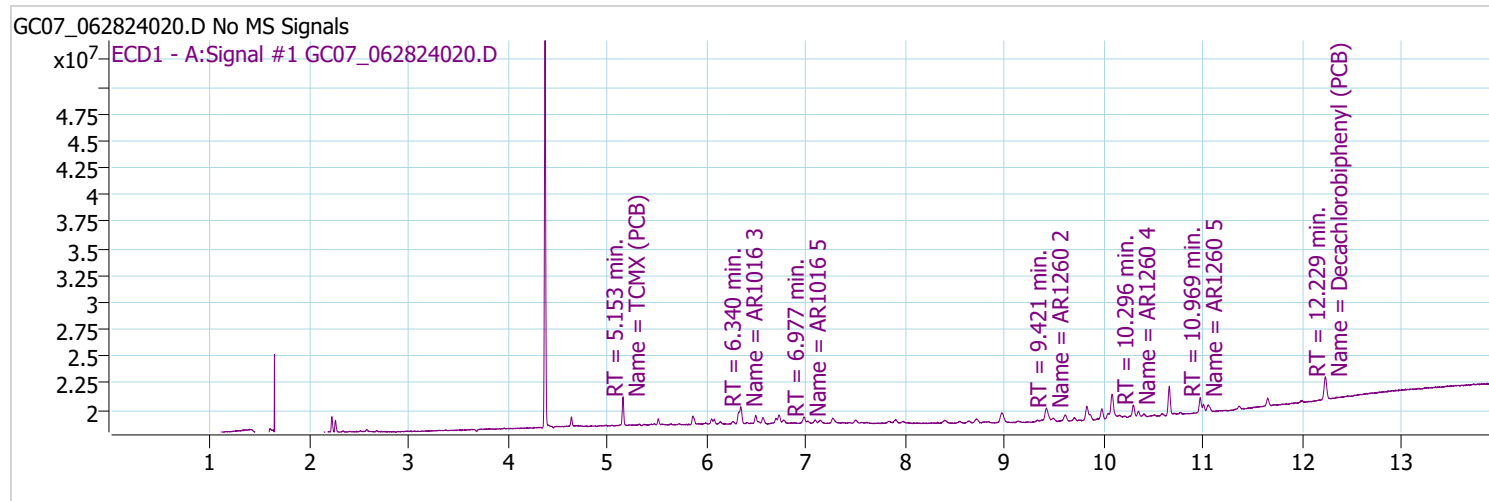


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:03:54 PM
Sample Name	ICAL, S20883	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



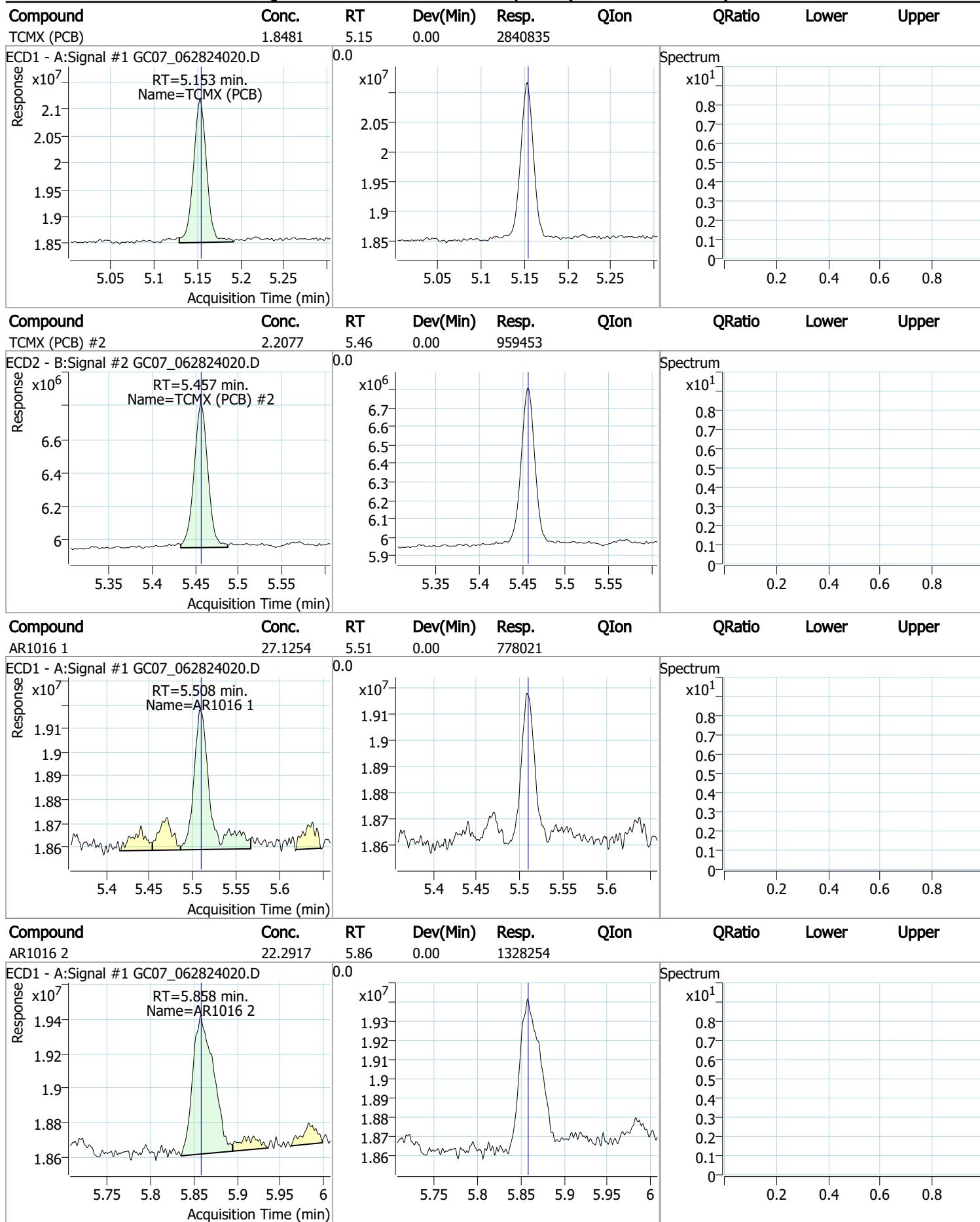
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	32813773.5 36	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9060765.11 6	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	2840834.54 0	1.8481	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.24%	*	
S TCMX (PCB) #2	5.457	0.0	959453.181	2.2077	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.04%	*	
S Decachlorobiphenyl (PCB)	12.229	0.0	3958101.06 1	2.1878	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.94%	*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	1322291.57 0	2.6713	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 13.36%	*	
Target Compounds						
T AR1016 1	5.508	0.0	778021.224	27.1254	ng/ml	100

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.858	0.0	1328254.498	22.2917	ng/ml	100
T AR1016 1 #2	5.959	0.0	234191.399	24.4795	ng/ml	100
T AR1016 3	6.340	0.0	2571625.561	34.4007	ng/ml m	100
T AR1016 2 #2	6.400	0.0	499061.047	25.2488	ng/ml	100
T AR1016 4	6.492	0.0	1099340.852	22.0491	ng/ml m	100
T AR1016 5	6.977	0.0	1000156.918	22.8210	ng/ml	100
T AR1016 3 #2	6.983	0.0	636605.373	25.8238	ng/ml	100
T AR1016 4 #2	7.170	0.0	451066.540	24.7519	ng/ml	100
T AR1016 5 #2	7.911	0.0	330412.358	22.4177	ng/ml	100
T AR1260 1	8.971	0.0	2419291.681	27.5240	ng/ml	100
T AR1260 2	9.421	0.0	3049907.638	22.7190	ng/ml	100
T AR1260 3	9.827	0.0	3105274.279	21.4986	ng/ml m	100
T AR1260 1 #2	10.066	0.0	707182.644	26.9777	ng/ml	100
T AR1260 4	10.296	0.0	1916354.860	22.9487	ng/ml	100
T AR1260 2 #2	10.323	0.0	876957.107	26.6300	ng/ml	100
T AR1260 3 #2	10.747	0.0	960062.850	24.2200	ng/ml	100
T AR1260 5	10.969	0.0	2085632.219	20.8573	ng/ml	100
T AR1260 4 #2	11.167	0.0	448239.327	17.8832	ng/ml	100
T AR1260 5 #2	11.867	0.0	881344.046	23.6852	ng/ml	100

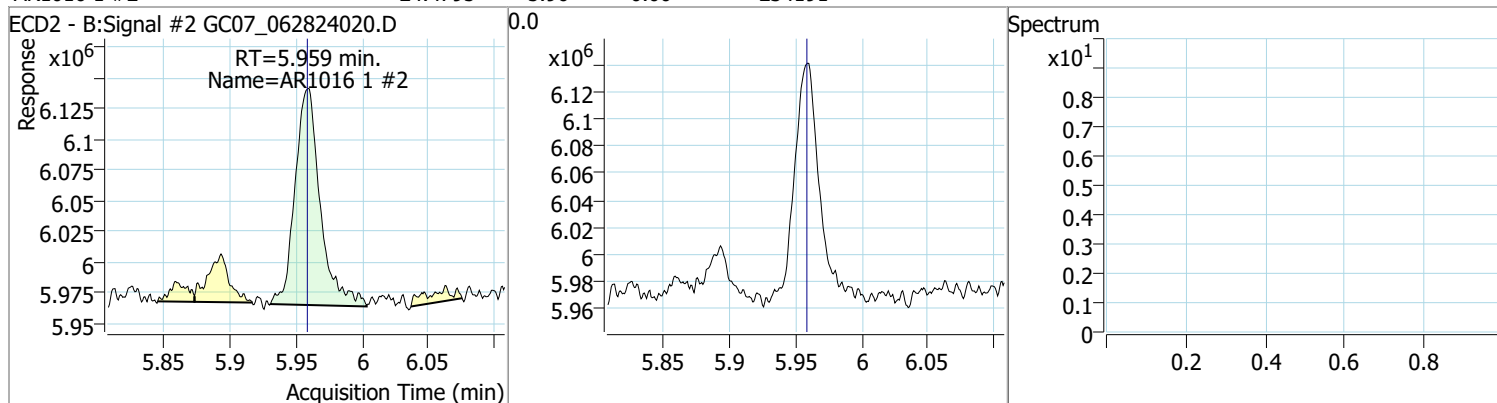
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

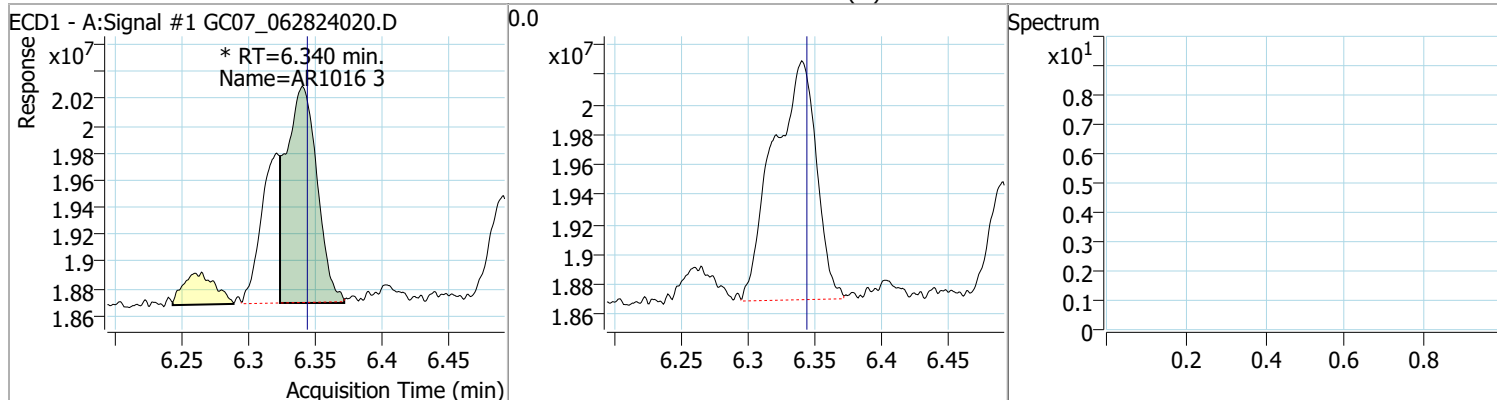


Quantitation Results Report (Not Reviewed)

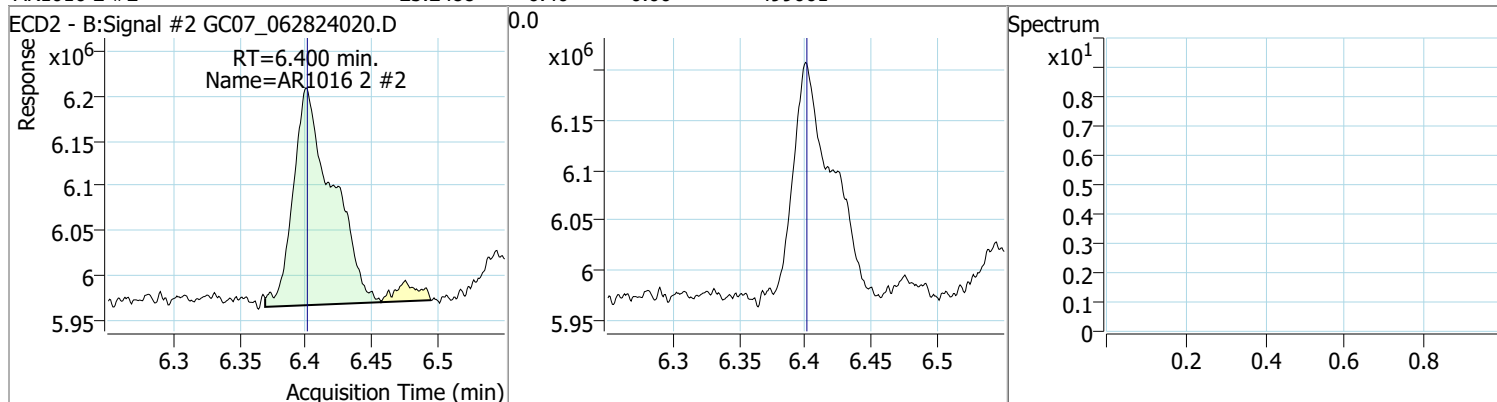
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.4795	5.96	0.00	234191				



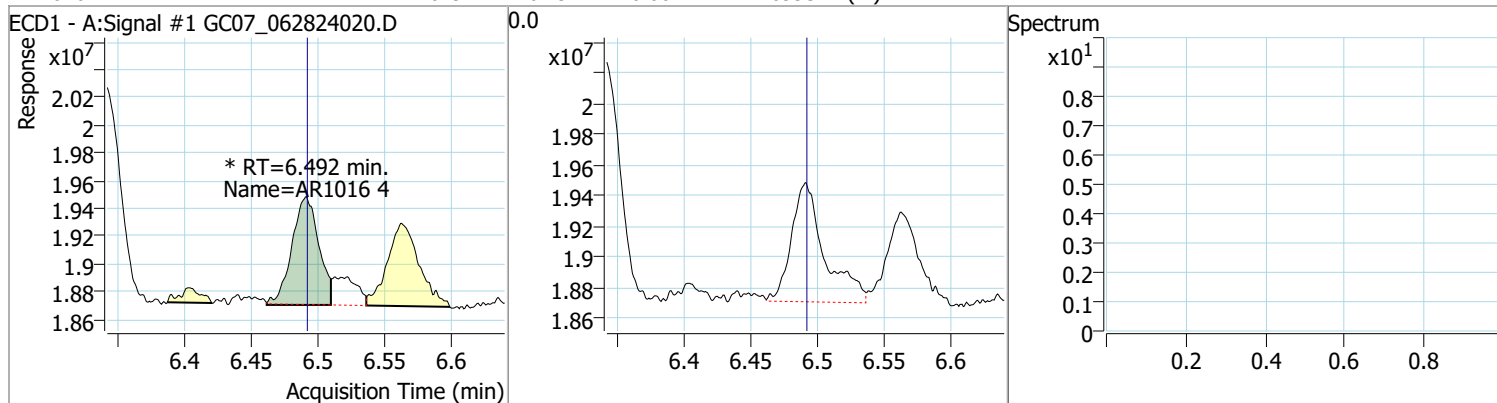
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.4007	6.34	0.00	2571626 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	25.2488	6.40	0.00	499061				

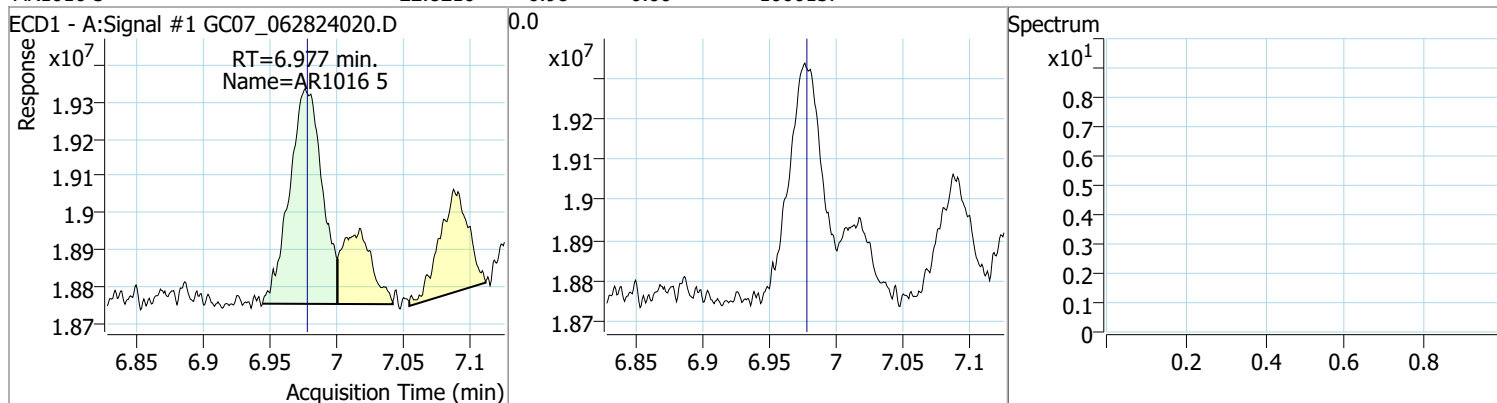


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	22.0491	6.49	0.00	1099341 (m)				

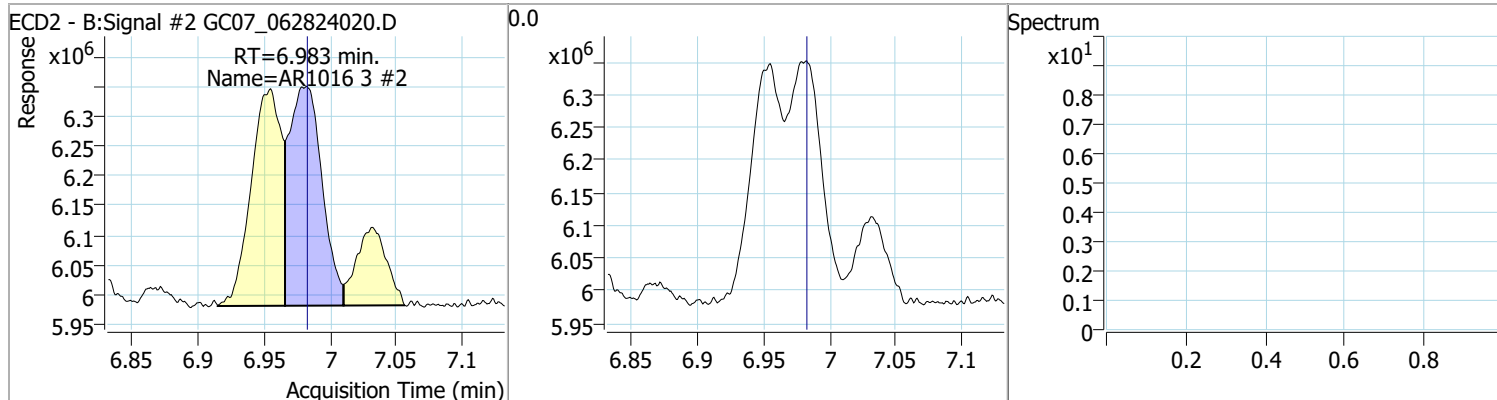


Quantitation Results Report (Not Reviewed)

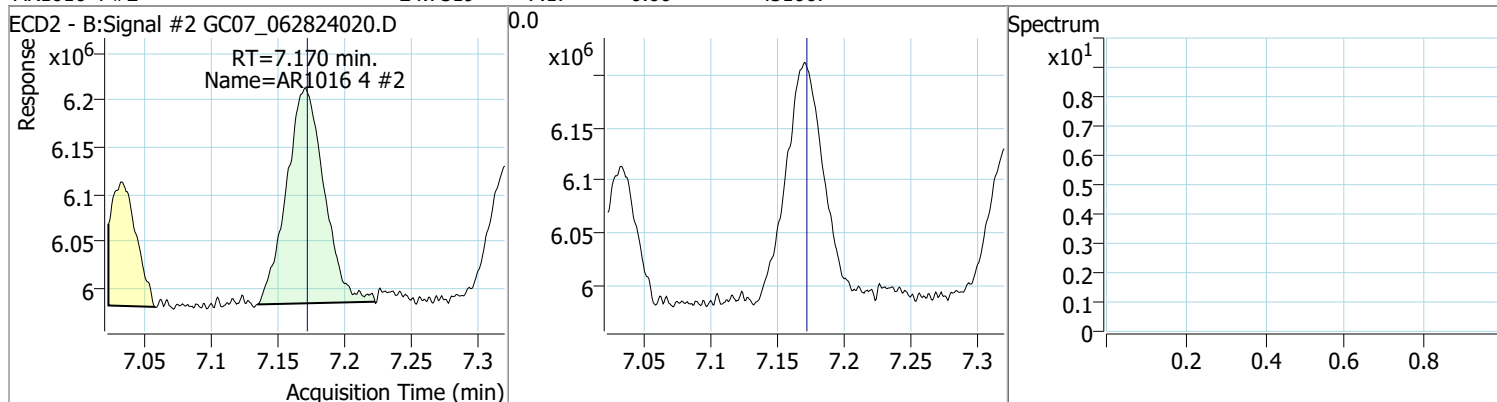
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.8210	6.98	0.00	1000157				



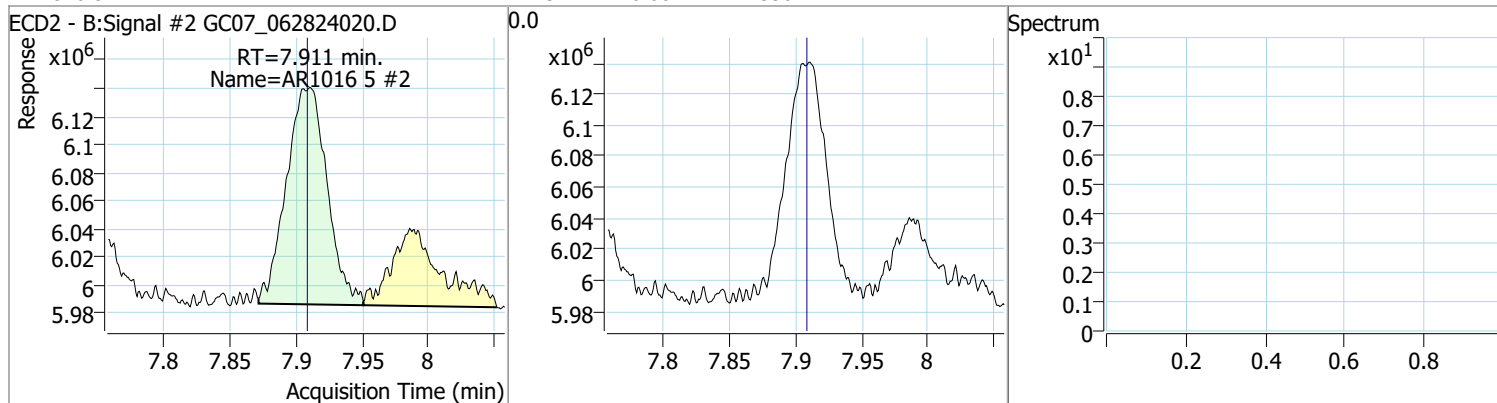
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	25.8238	6.98	0.00	636605				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.7519	7.17	0.00	451067				

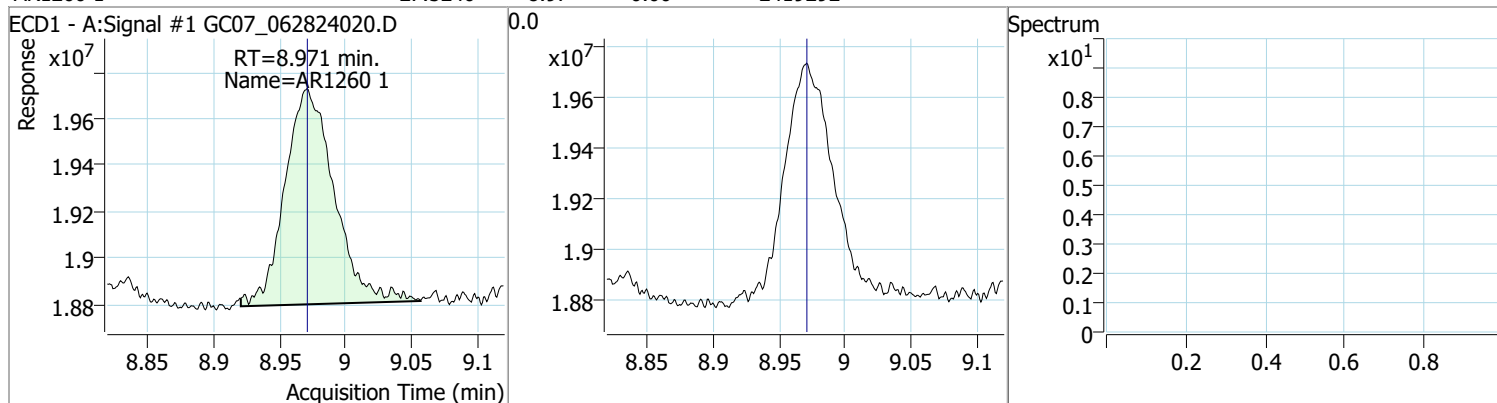


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.4177	7.91	0.00	330412				

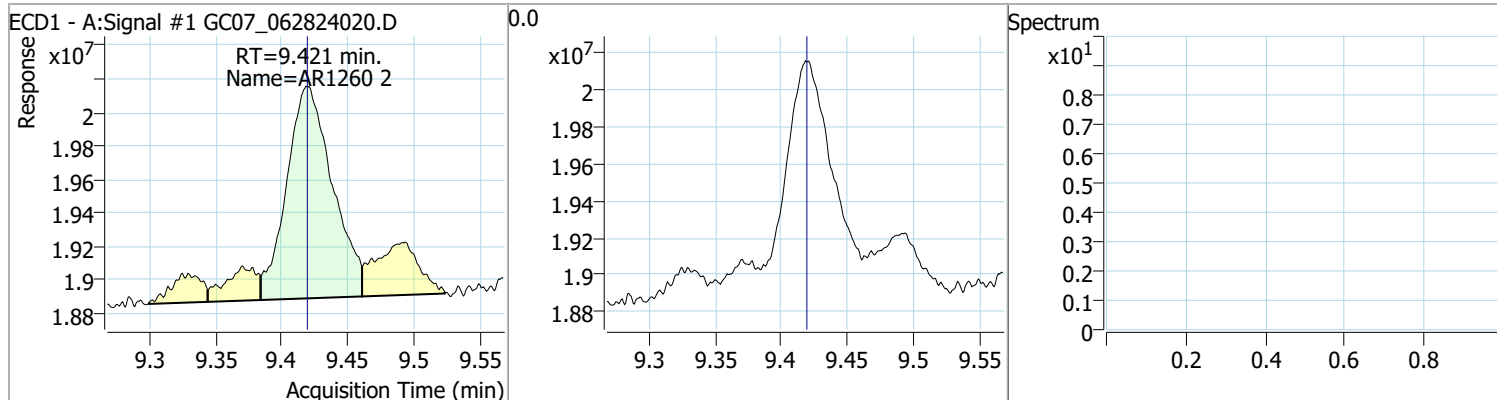


Quantitation Results Report (Not Reviewed)

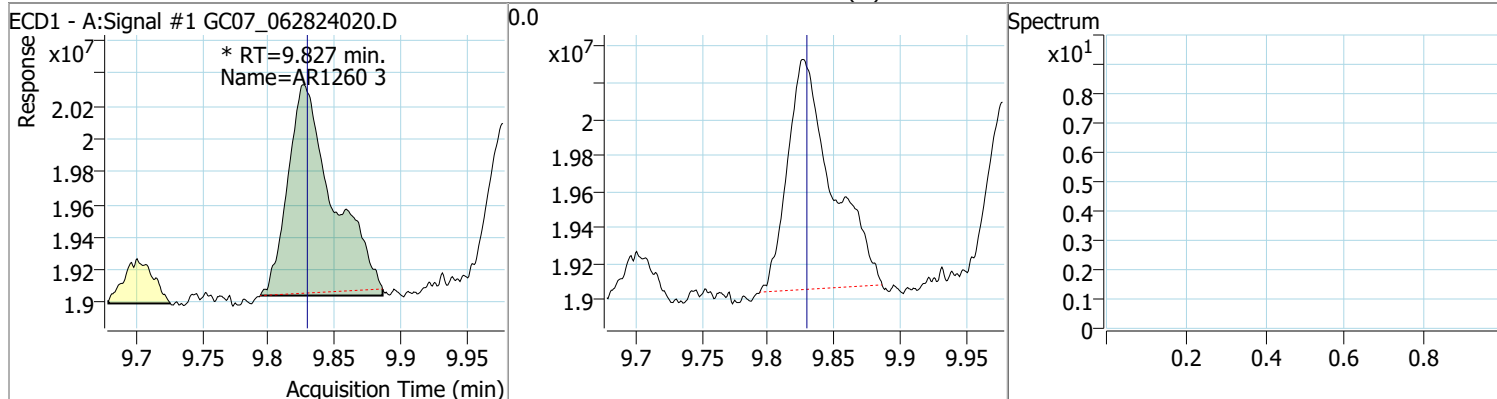
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.5240	8.97	0.00	2419292				



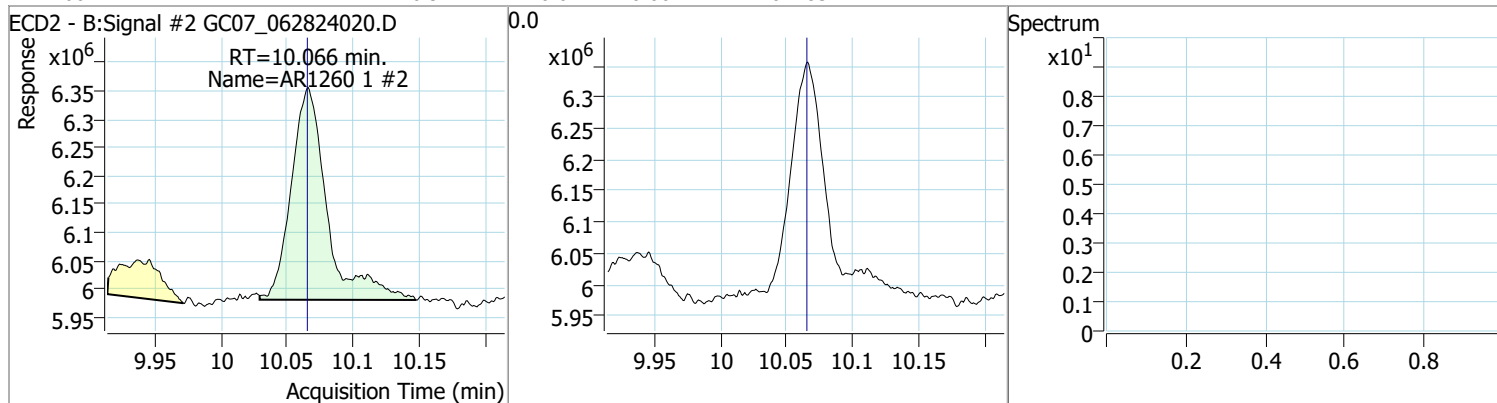
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.7190	9.42	0.00	3049908				



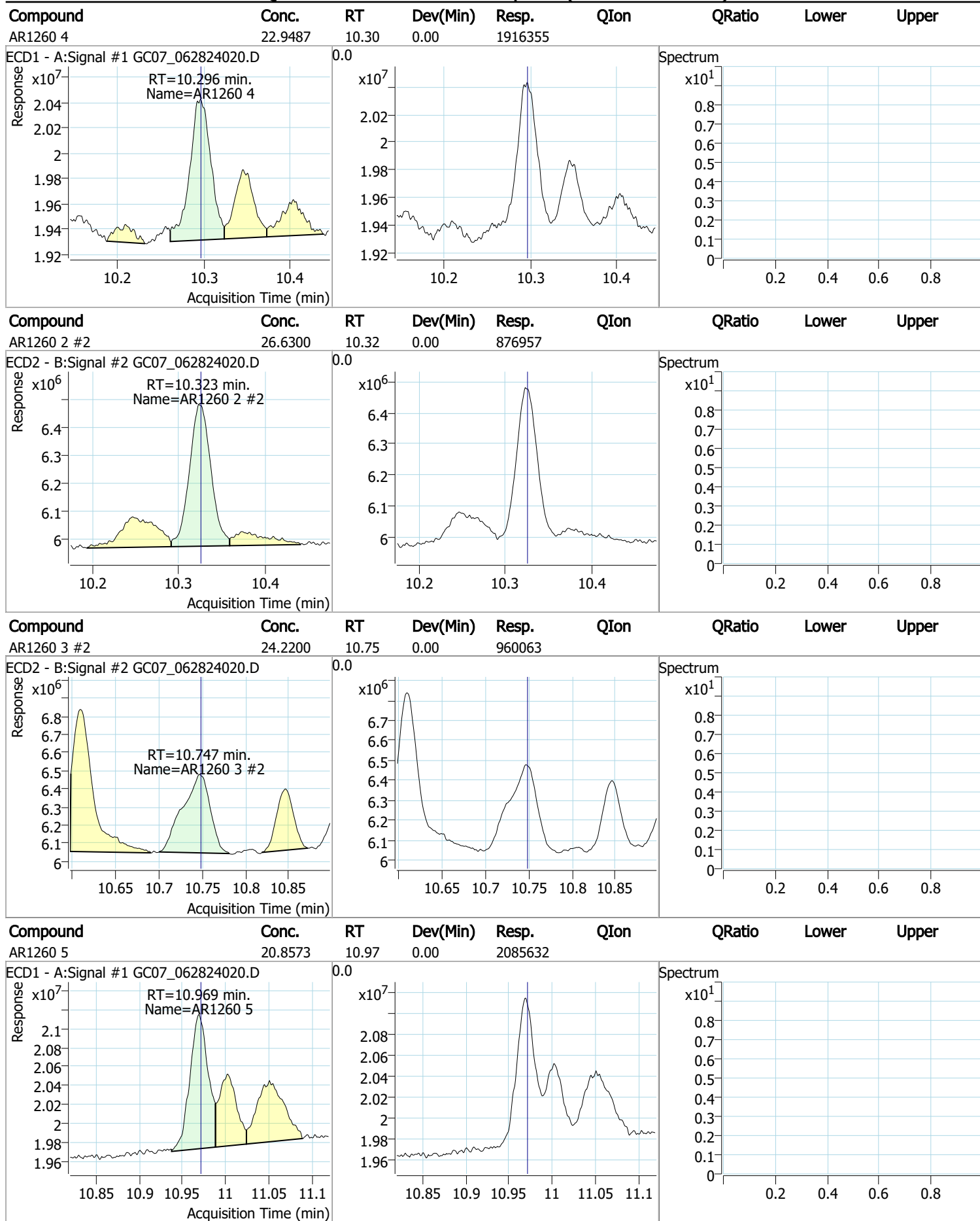
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	21.4986	9.83	0.00	3105274 (m)				



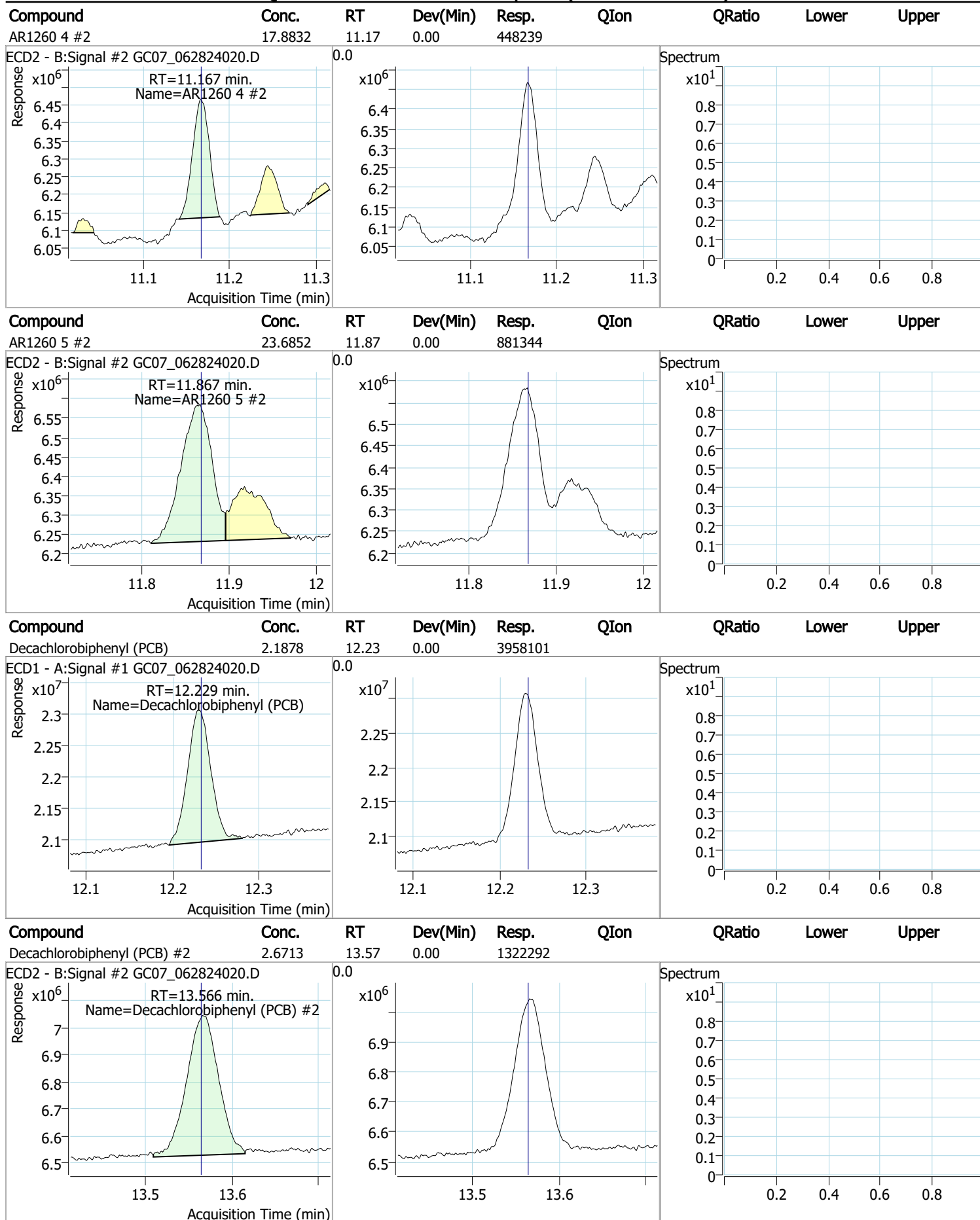
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.9777	10.07	0.00	707183				



Quantitation Results Report (Not Reviewed)



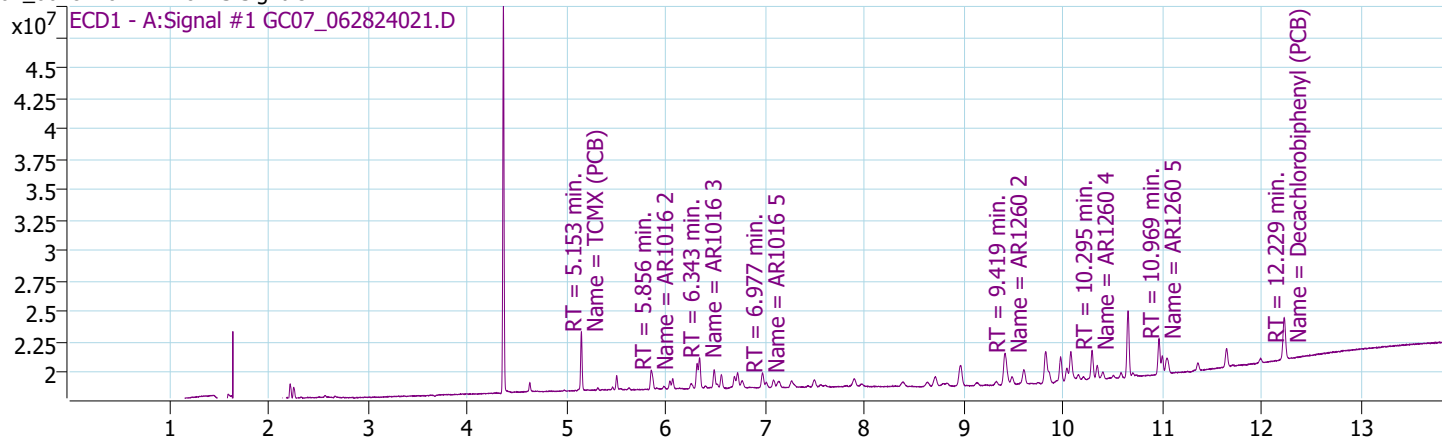
Quantitation Results Report (Not Reviewed)



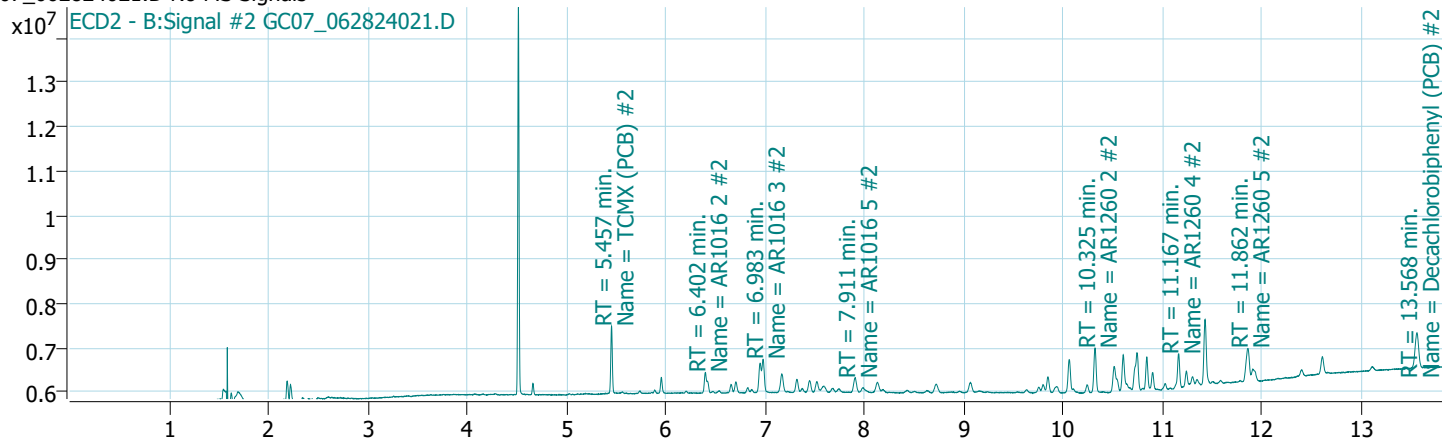
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:21:15 PM
Sample Name	ICAL, S20884	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824021.D No MS Signals



GC07_062824021.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28707643.0 33	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.519	0.0	8040733.06 1	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	5199884.49 9	3.8667	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.33%	*	
S TCMX (PCB) #2	5.457	0.0	1720703.08 3	4.4616	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.31%	*	
S Decachlorobiphenyl (PCB)	12.229	0.0	6469062.07 1	4.0872	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.44%	*	
S Decachlorobiphenyl (PCB) #2	13.568	0.0	2052070.95 8	4.6716	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.36%	*	

Target Compounds

QValue

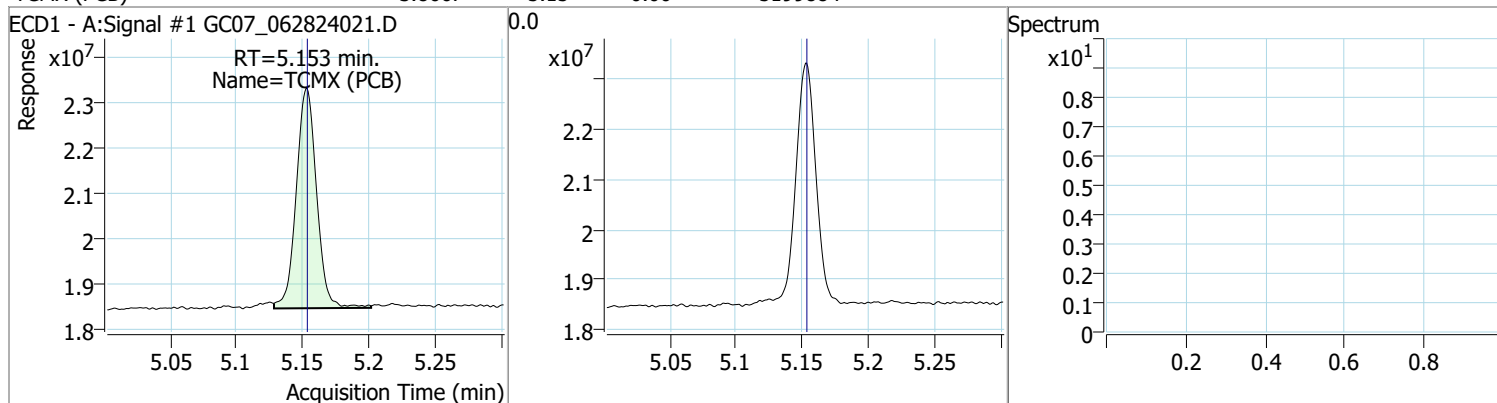
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	1316179.52 0	52.4516	ng/ml	100
T AR1016 2	5.856	0.0	2702344.34 4	51.8396	ng/ml	100
T AR1016 1 #2	5.958	0.0	454408.366	53.5238	ng/ml	100
T AR1016 3	6.343	0.0	3592955.58 6	54.9376	ng/ml	100
T AR1016 2 #2	6.402	0.0	991079.735	56.5021	ng/ml	100
T AR1016 4	6.490	0.0	2136718.05 6	48.9852	ng/ml m	100
T AR1016 5	6.977	0.0	1997824.75 6	52.1055	ng/ml	100
T AR1016 3 #2	6.983	0.0	1288206.68 1	58.8850	ng/ml	100
T AR1016 4 #2	7.170	0.0	896004.883	55.4049	ng/ml	100
T AR1016 5 #2	7.911	0.0	682282.940	52.1638	ng/ml	100
T AR1260 1	8.973	0.0	3801549.94 4	49.4359	ng/ml	100
T AR1260 2	9.419	0.0	6104749.71 1	51.9790	ng/ml	100
T AR1260 3	9.828	0.0	6530061.77 7	51.6757	ng/ml	100
T AR1260 1 #2	10.065	0.0	1288208.27 1	55.3770	ng/ml	100
T AR1260 4	10.295	0.0	3805769.20 2	52.0934	ng/ml	100
T AR1260 2 #2	10.325	0.0	1723687.25 5	58.9821	ng/ml	100
T AR1260 3 #2	10.747	0.0	1959961.16 2	55.7175	ng/ml	100
T AR1260 5	10.969	0.0	4469357.86 6	51.0885	ng/ml	100
T AR1260 4 #2	11.167	0.0	1226114.81 1	55.1232	ng/ml	100
T AR1260 5 #2	11.862	0.0	1820415.00 5	55.1278	ng/ml	100

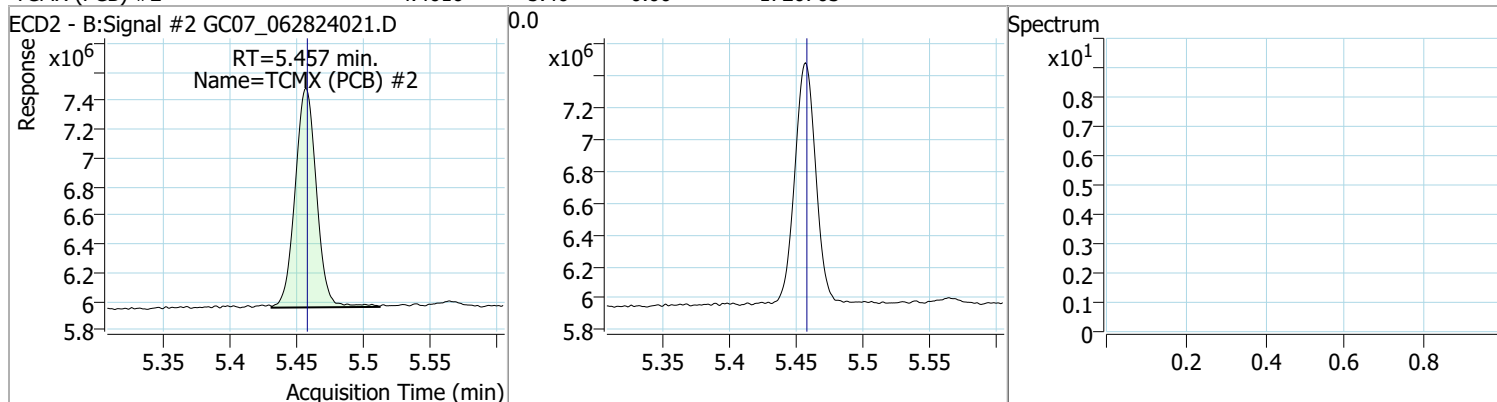
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

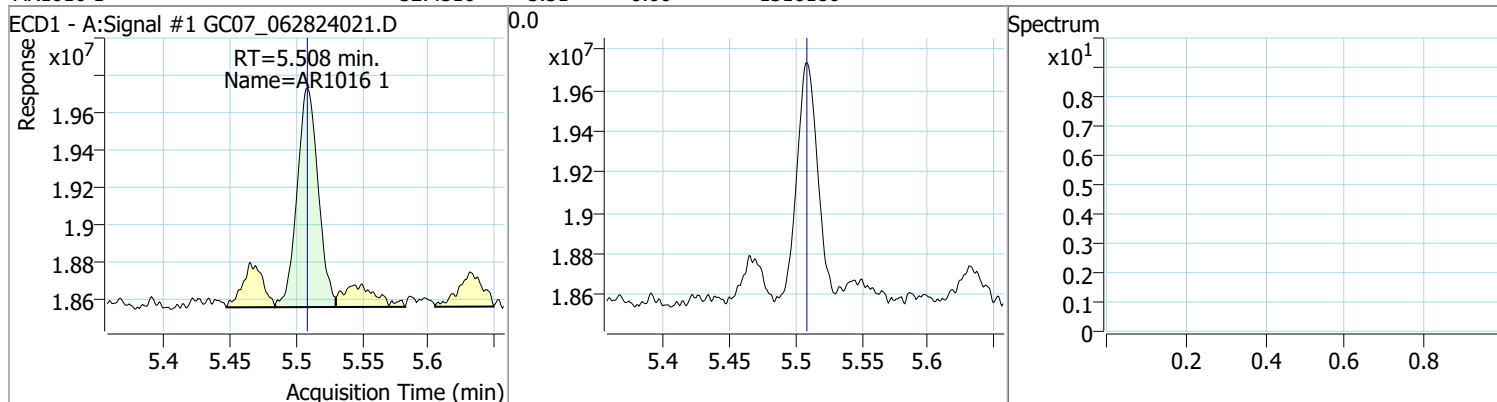
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.8667	5.15	0.00	5199884				



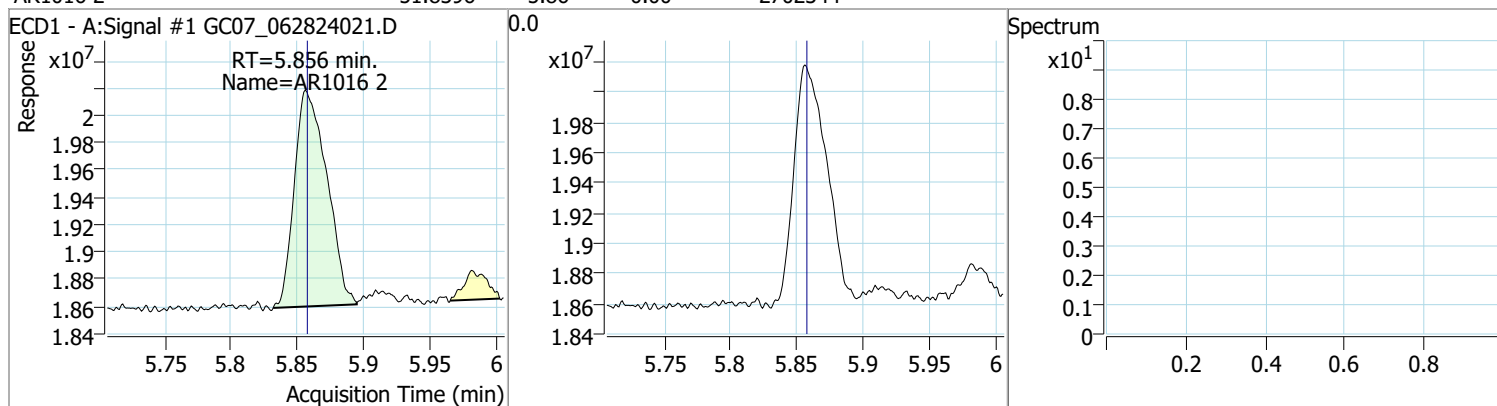
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.4616	5.46	0.00	1720703				



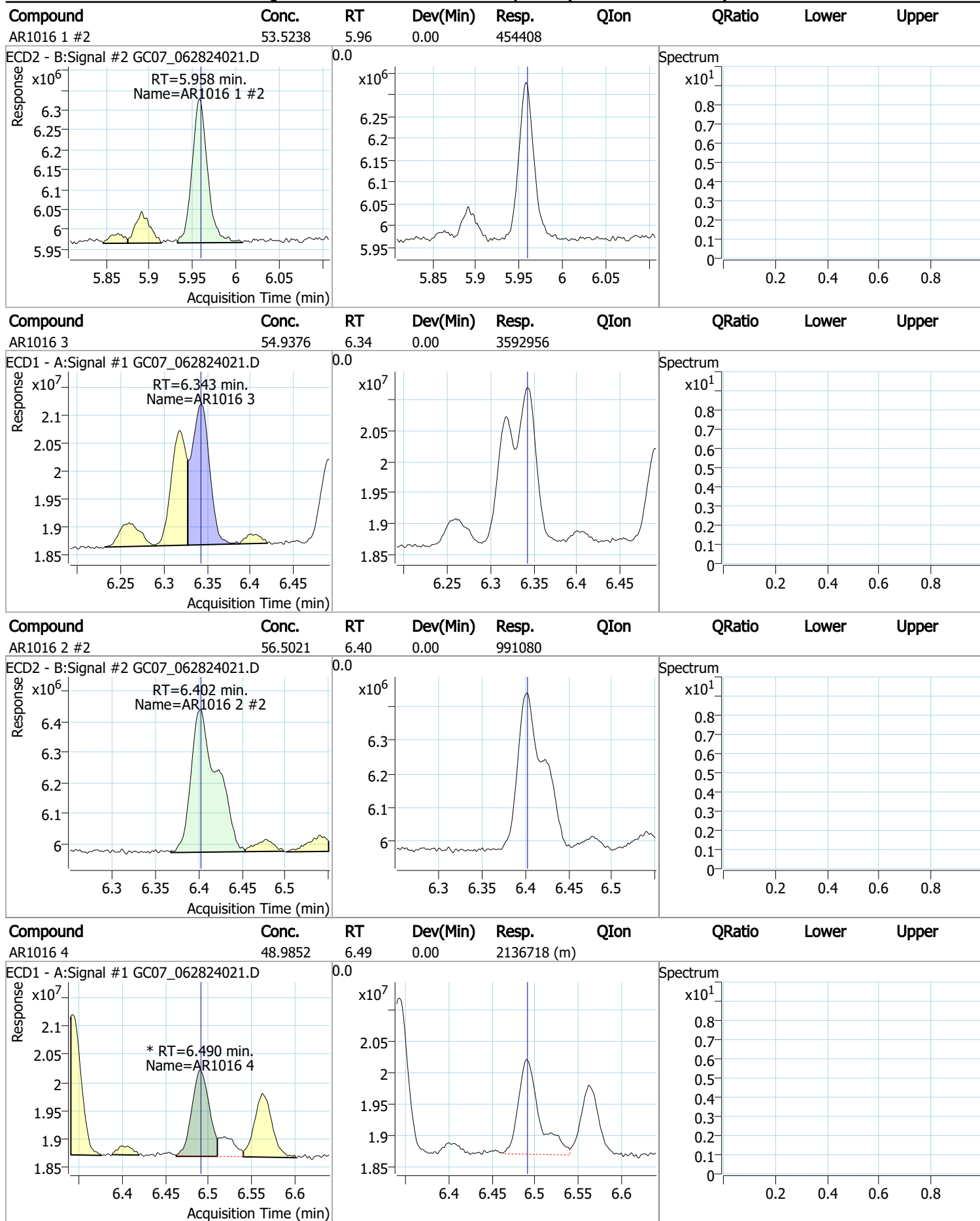
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.4516	5.51	0.00	1316180				



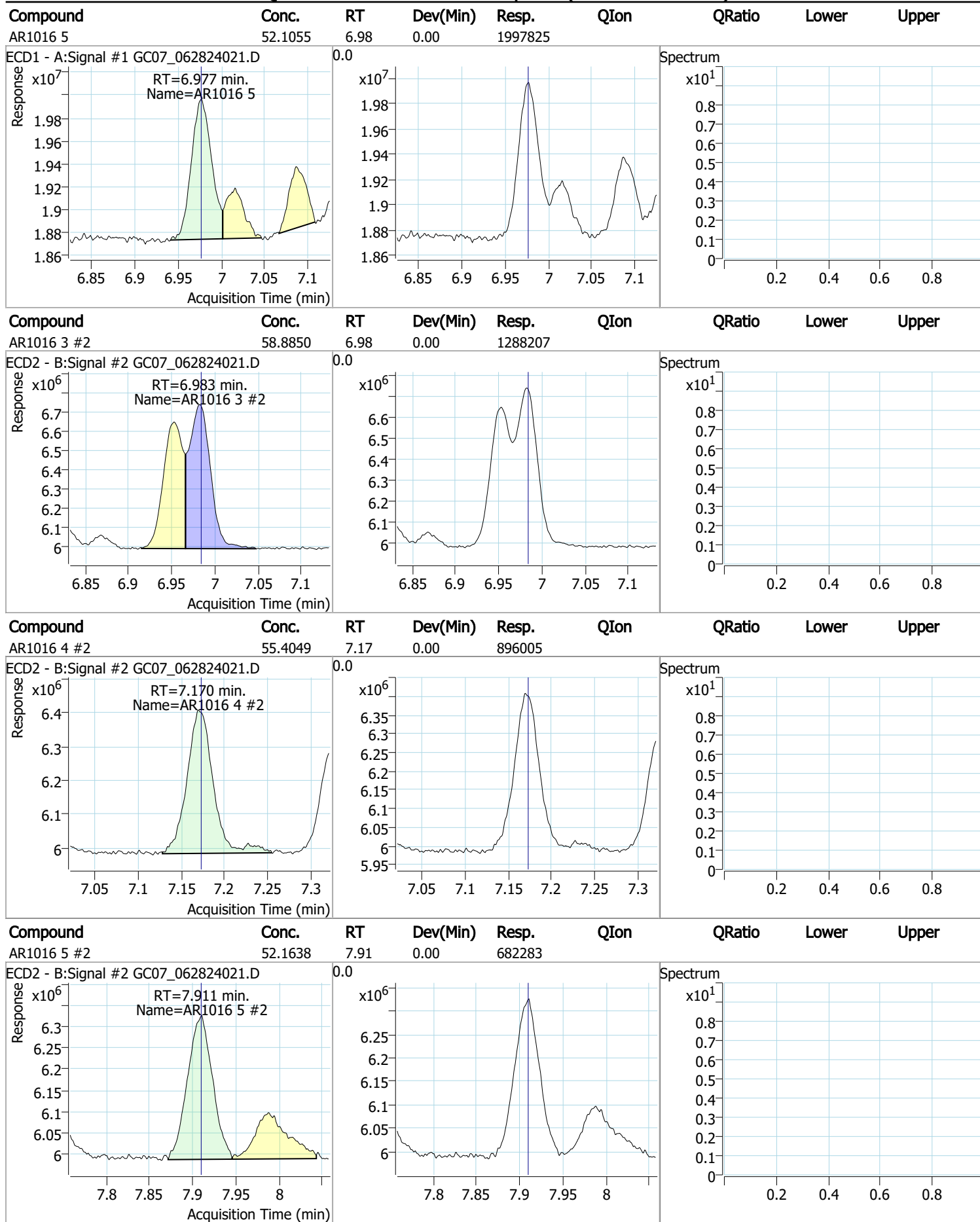
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	51.8396	5.86	0.00	2702344				



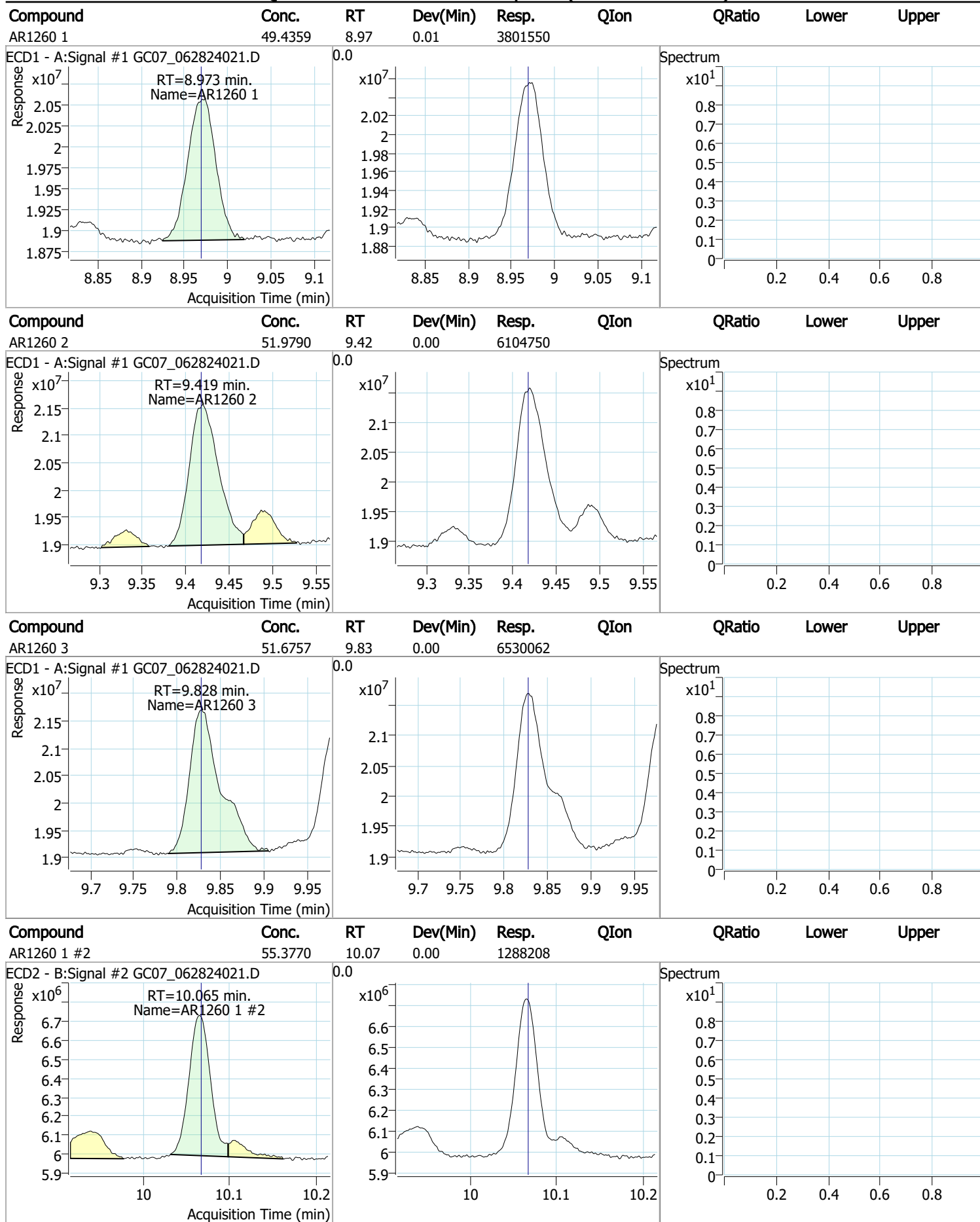
Quantitation Results Report (Not Reviewed)



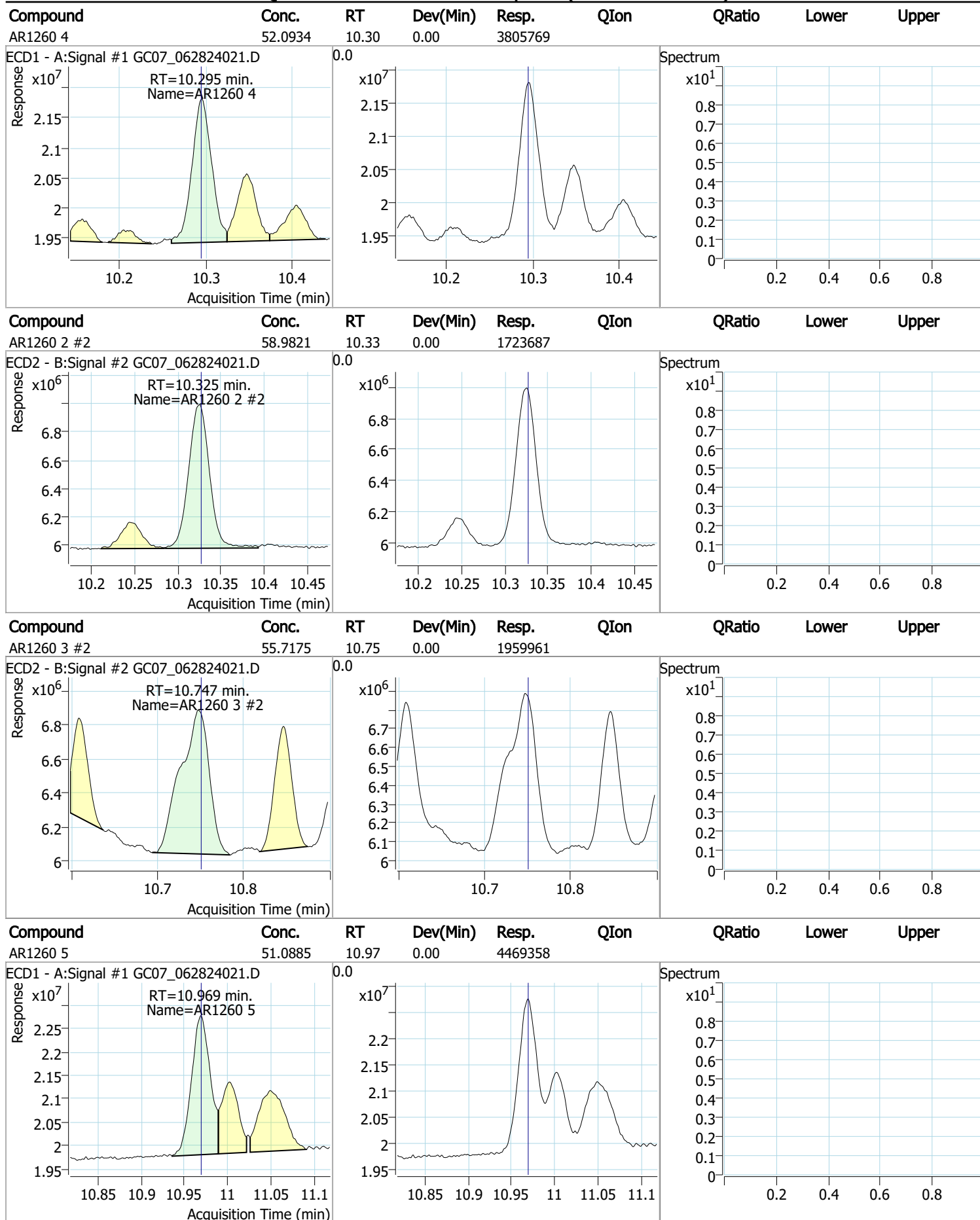
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

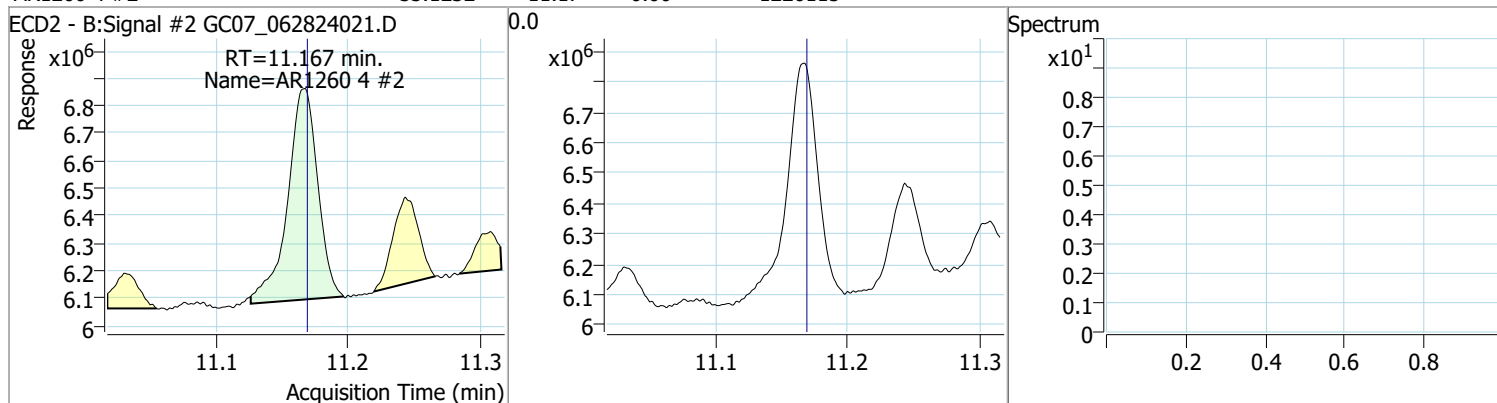


Quantitation Results Report (Not Reviewed)

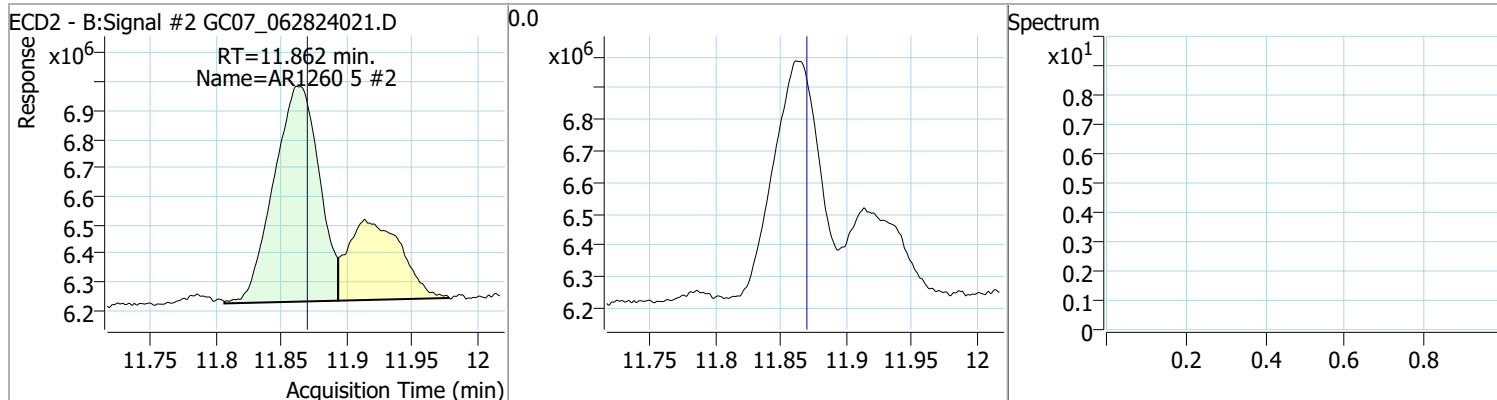


Quantitation Results Report (Not Reviewed)

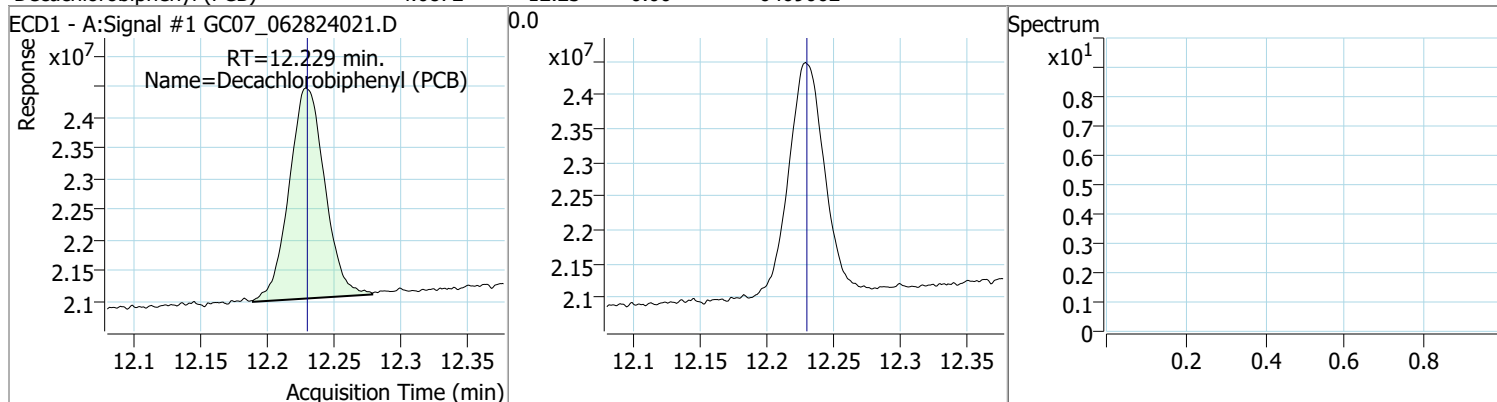
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	55.1232	11.17	0.00	1226115				



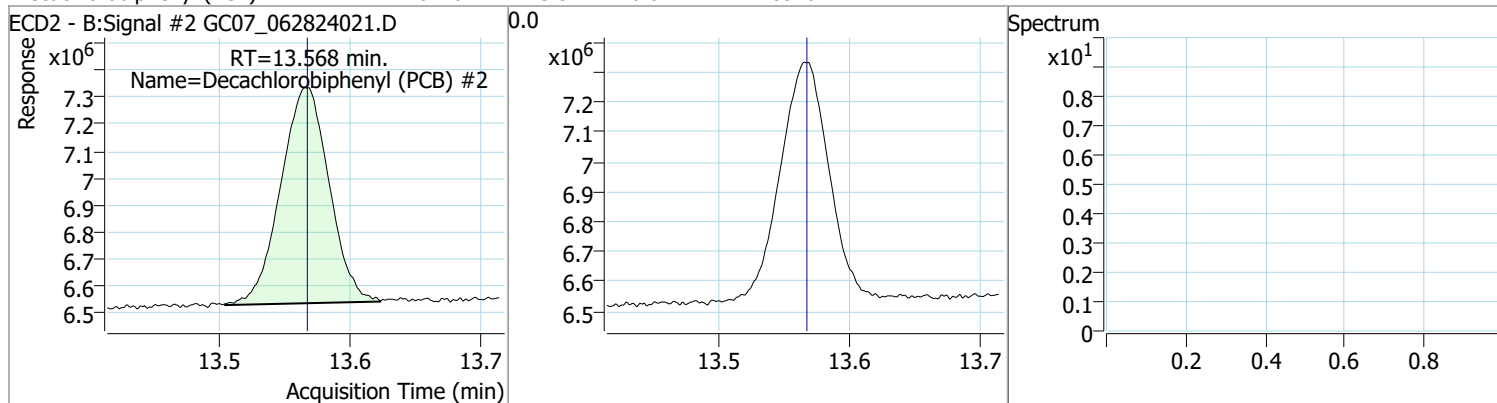
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	55.1278	11.86	0.00	1820415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.0872	12.23	0.00	6469062				

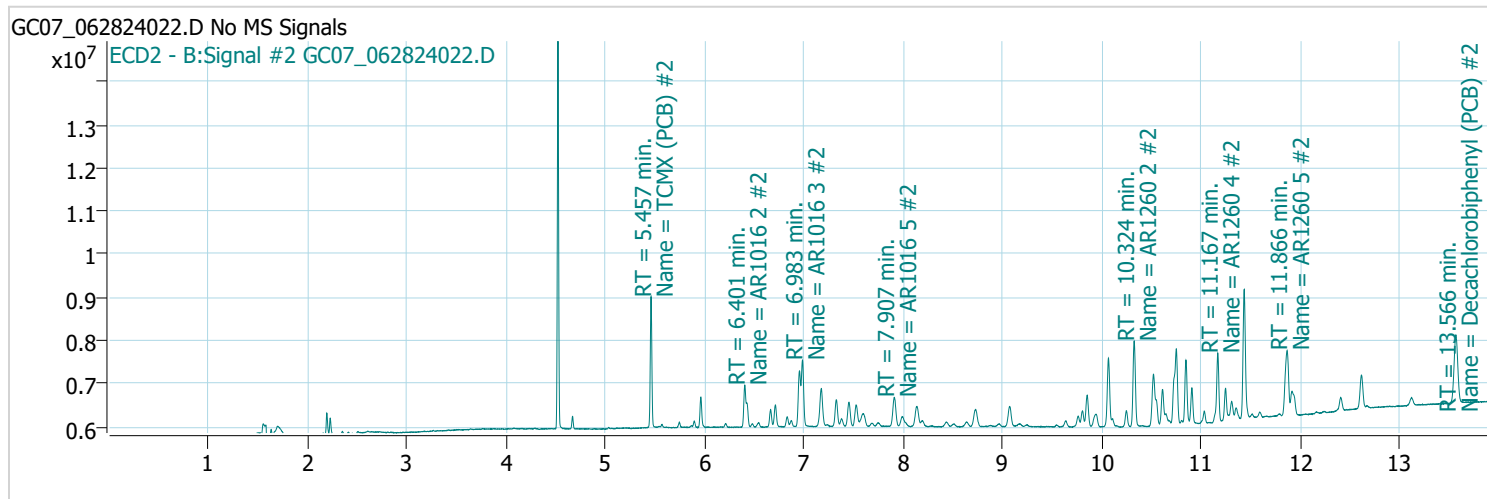
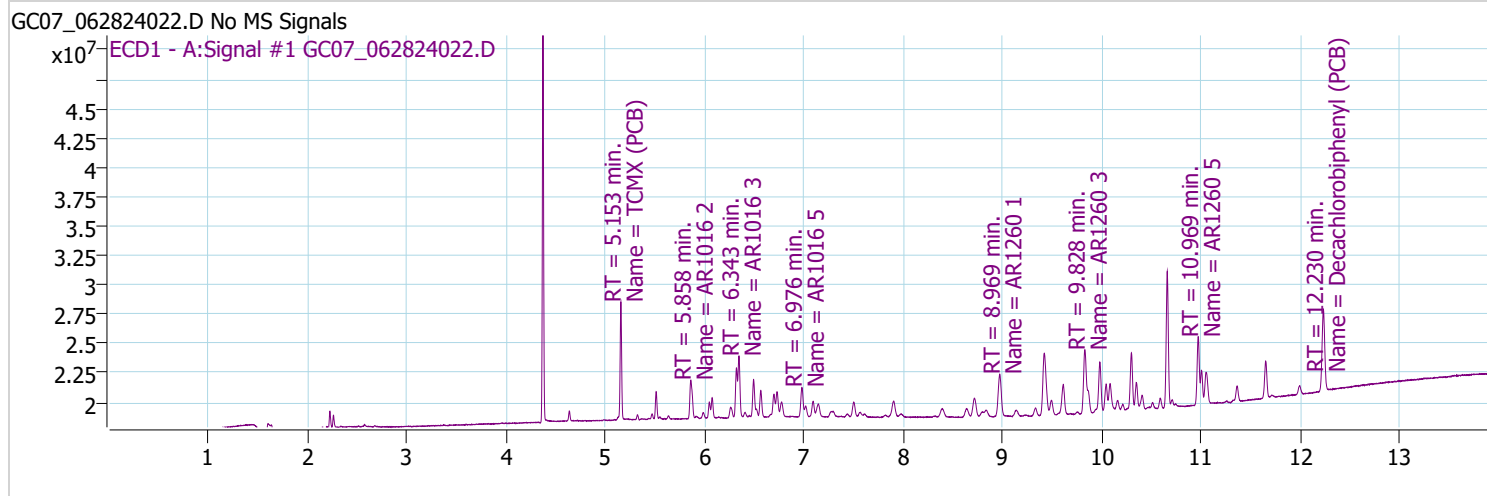


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.6716	13.57	0.01	2052071				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:38:40 PM
Sample Name	ICAL, S20885	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	29826184.198	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8273172.510	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	10715126.470	7.6691	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.35%	*	
S TCMX (PCB) #2	5.457	0.0	3412297.177	8.5990	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.00%	*	
S Decachlorobiphenyl (PCB)	12.230	0.0	13361376.402	8.1252	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.63%	*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	4177022.833	9.2419	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 46.21%	*	

Target Compounds

QValue

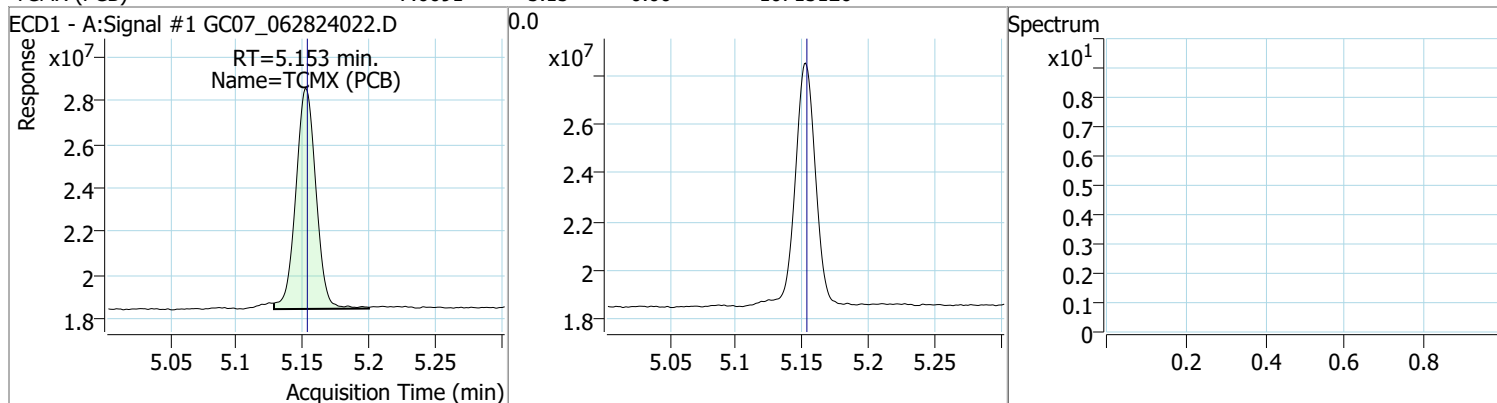
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	2657212.37 5	101.9225	ng/ml	100
T AR1016 2	5.858	0.0	5739080.00 3	105.9651	ng/ml	100
T AR1016 1 #2	5.958	0.0	929578.135	106.4167	ng/ml	100
T AR1016 3	6.343	0.0	7358025.99 2	108.2876	ng/ml	100
T AR1016 2 #2	6.401	0.0	2044379.54 9	113.2769	ng/ml	100
T AR1016 4	6.490	0.0	4469166.05 7	98.6152	ng/ml	100
T AR1016 5	6.976	0.0	4190423.64 2	105.1922	ng/ml	100
T AR1016 3 #2	6.983	0.0	2555167.74 6	113.5174	ng/ml	100
T AR1016 4 #2	7.173	0.0	1786552.41 4	107.3685	ng/ml	100
T AR1016 5 #2	7.907	0.0	1431090.87 2	106.3398	ng/ml	100
T AR1260 1	8.969	0.0	8092605.98 6	101.2907	ng/ml	100
T AR1260 2	9.419	0.0	12517533.3 48	102.5838	ng/ml	100
T AR1260 3	9.828	0.0	13459933.2 00	102.5207	ng/ml m	100
T AR1260 1 #2	10.065	0.0	2794544.52 9	116.7556	ng/ml	100
T AR1260 4	10.297	0.0	7856018.38 0	103.5005	ng/ml	100
T AR1260 2 #2	10.324	0.0	3418547.71 2	113.6912	ng/ml	100
T AR1260 3 #2	10.749	0.0	4013258.36 0	110.8829	ng/ml	100
T AR1260 5	10.969	0.0	9133510.15 3	100.4884	ng/ml	100
T AR1260 4 #2	11.167	0.0	2572032.14 7	112.3837	ng/ml	100
T AR1260 5 #2	11.866	0.0	3668290.26 1	107.9662	ng/ml	100

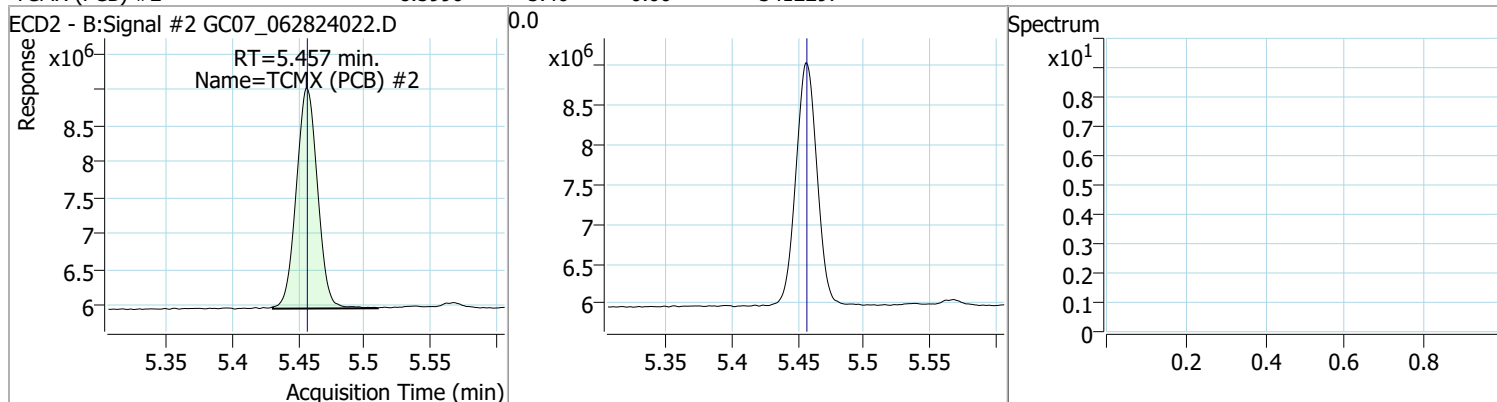
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

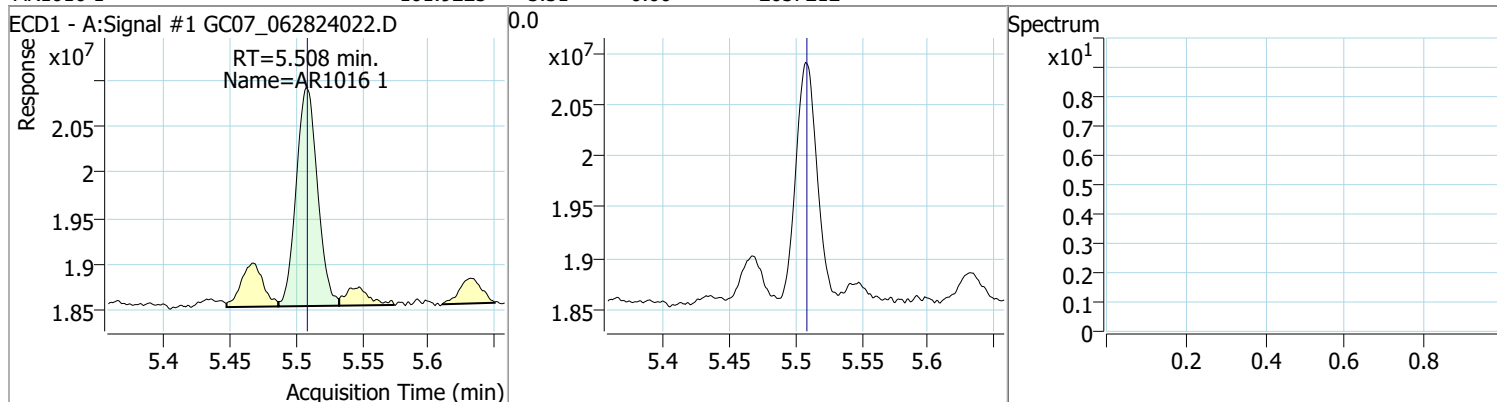
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.6691	5.15	0.00	10715126				



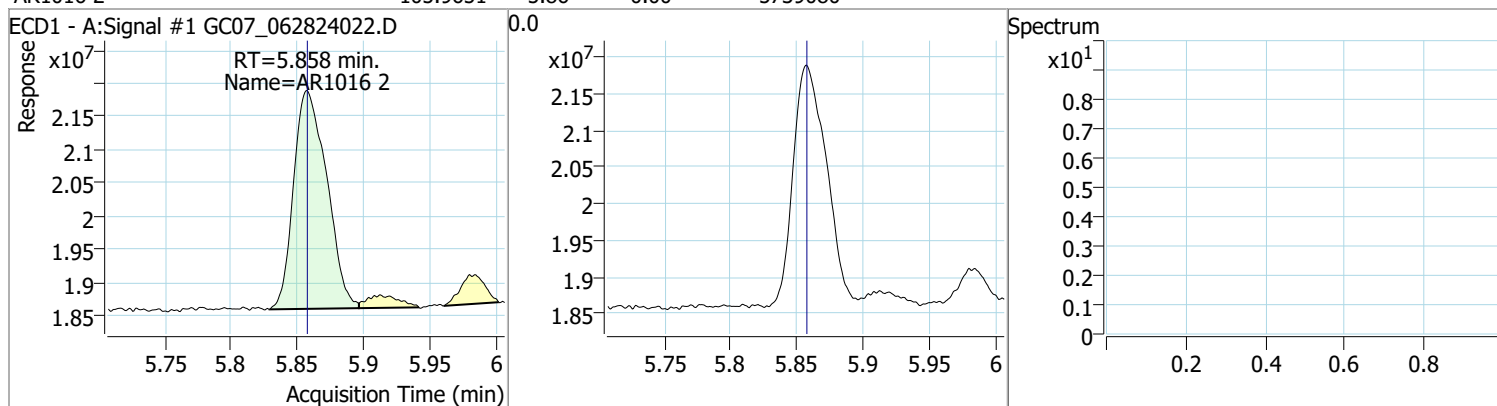
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.5990	5.46	0.00	3412297				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	101.9225	5.51	0.00	2657212				

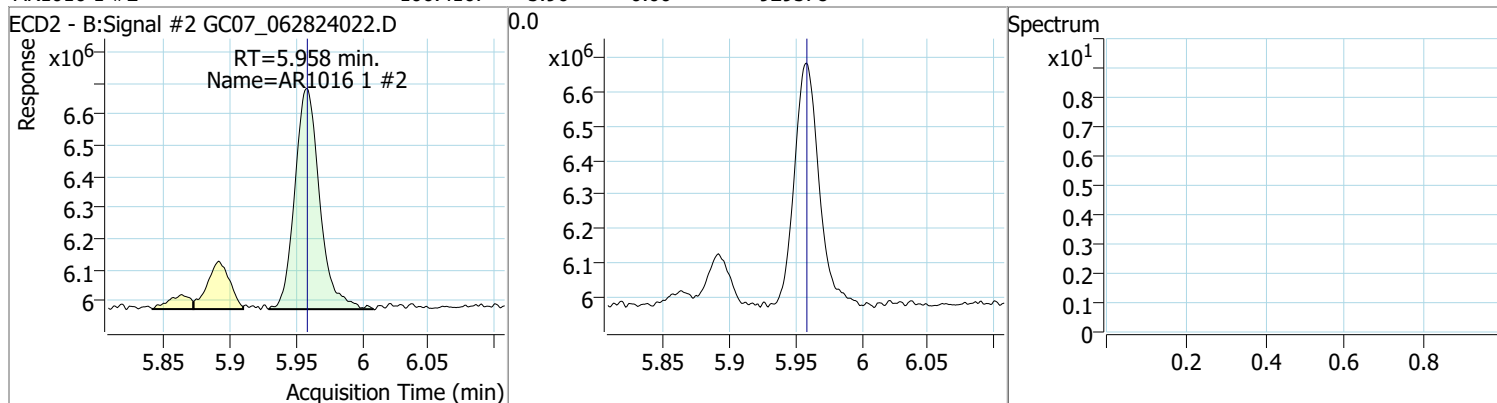


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	105.9651	5.86	0.00	5739080				

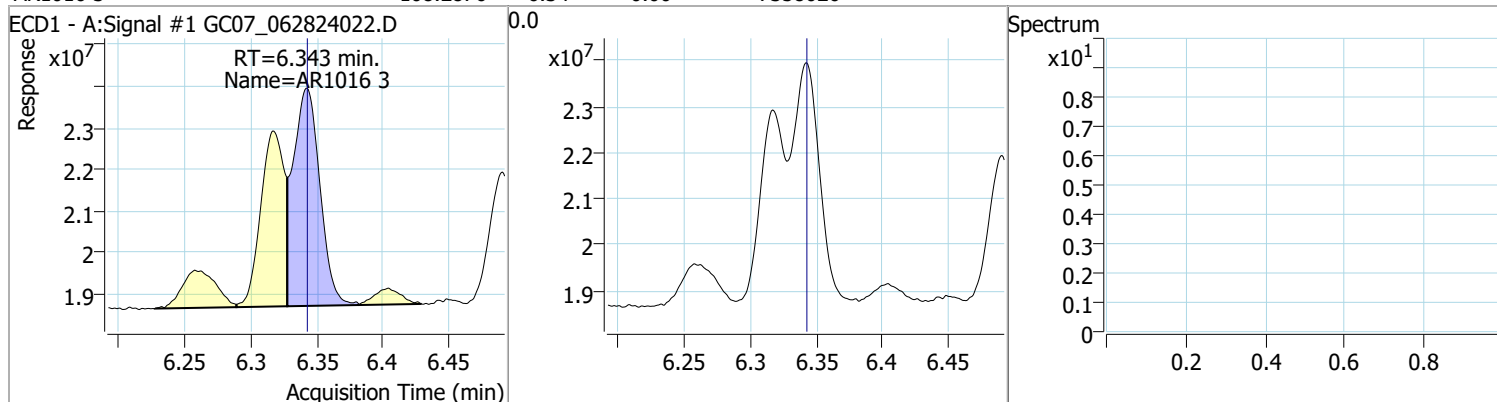


Quantitation Results Report (Not Reviewed)

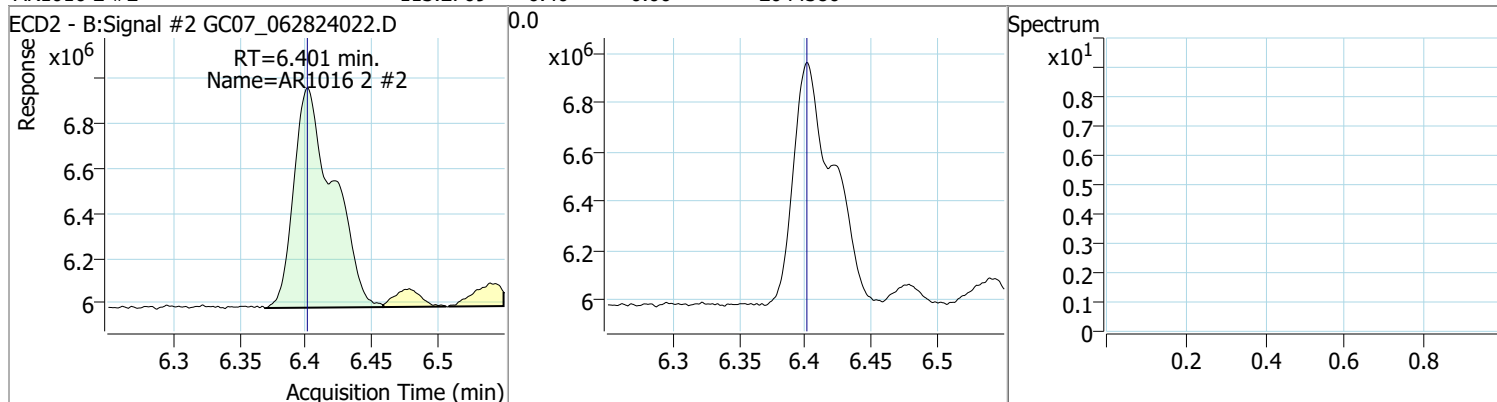
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	106.4167	5.96	0.00	929578				



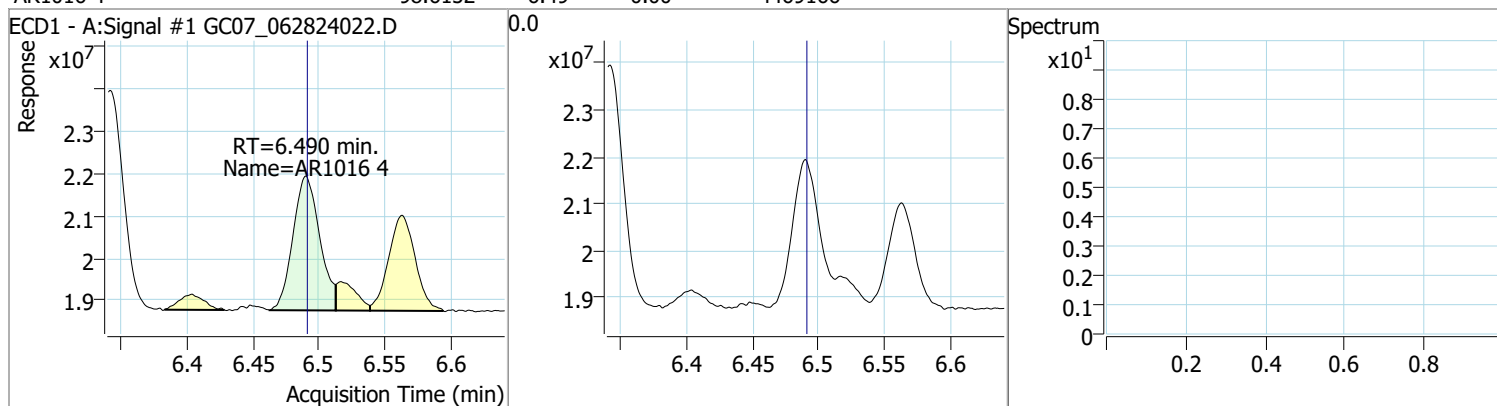
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.2876	6.34	0.00	7358026				



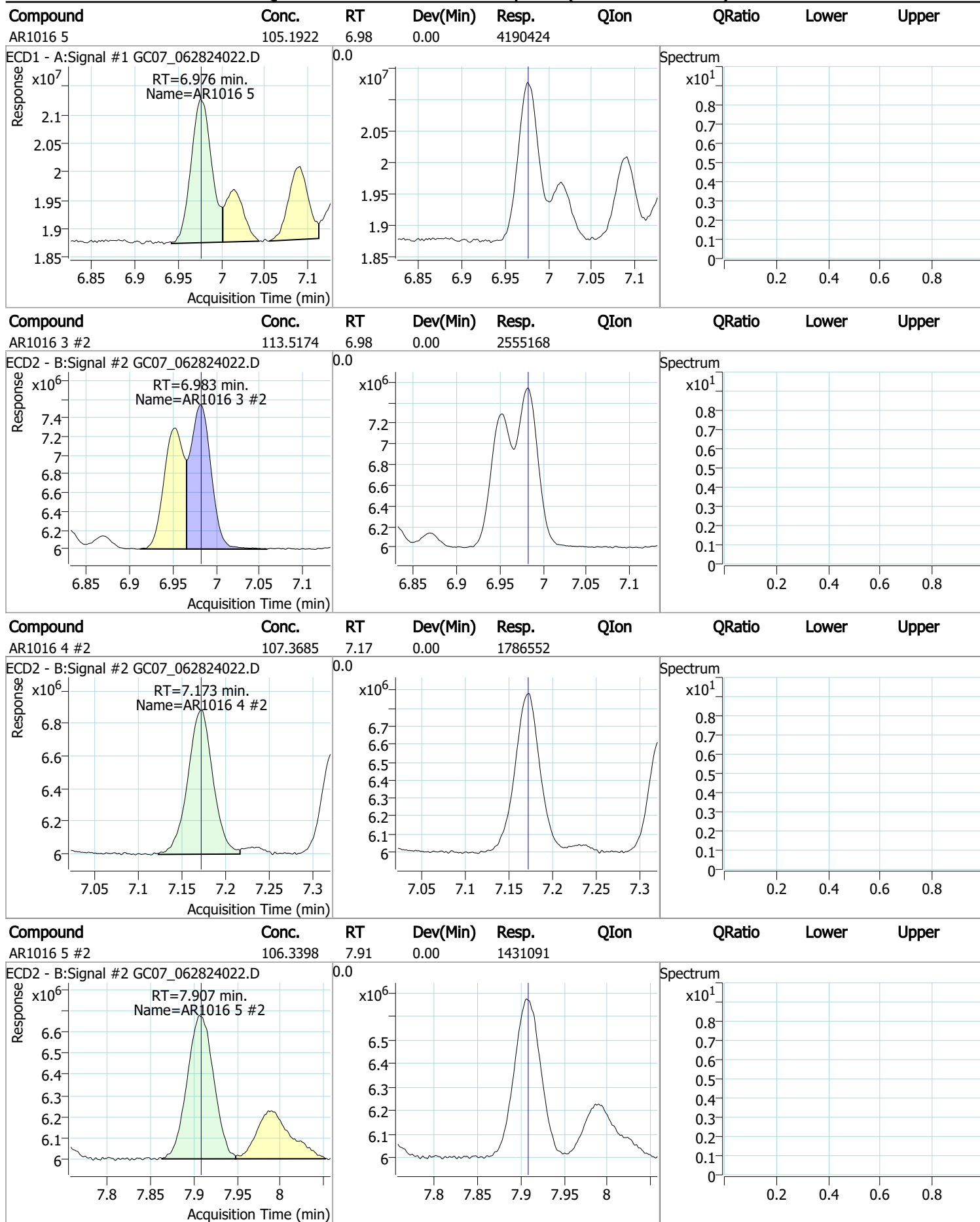
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	113.2769	6.40	0.00	2044380				



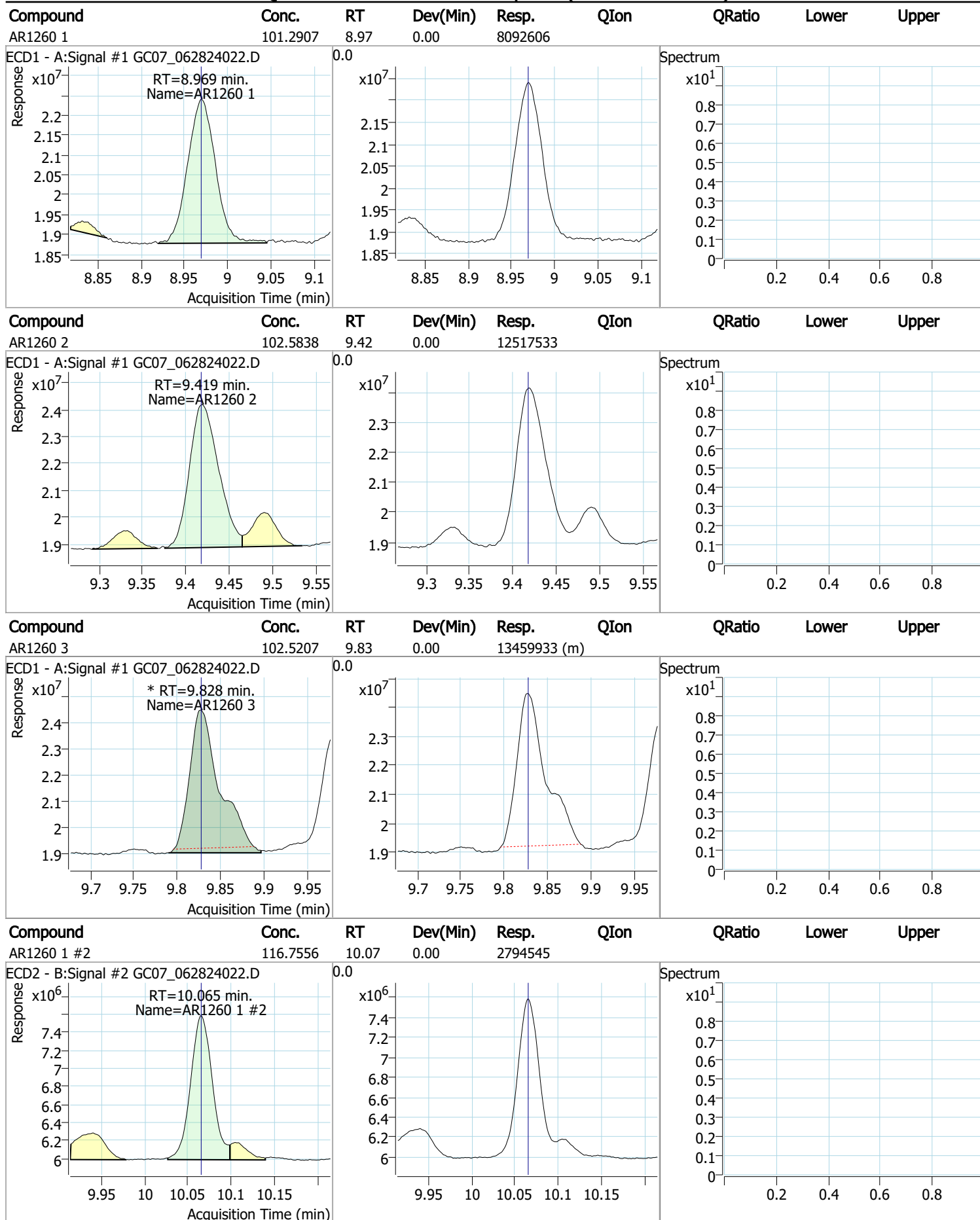
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	98.6152	6.49	0.00	4469166				



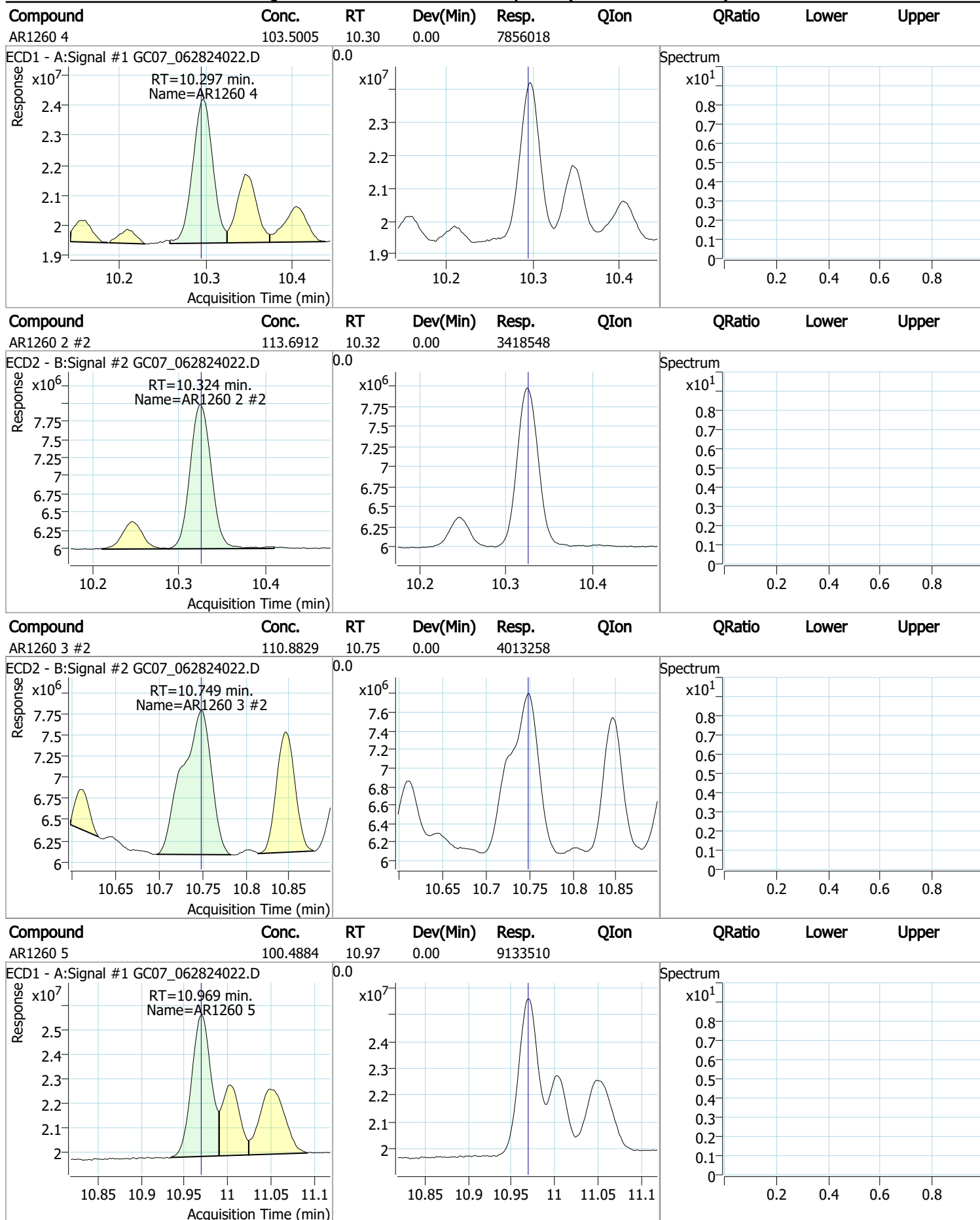
Quantitation Results Report (Not Reviewed)



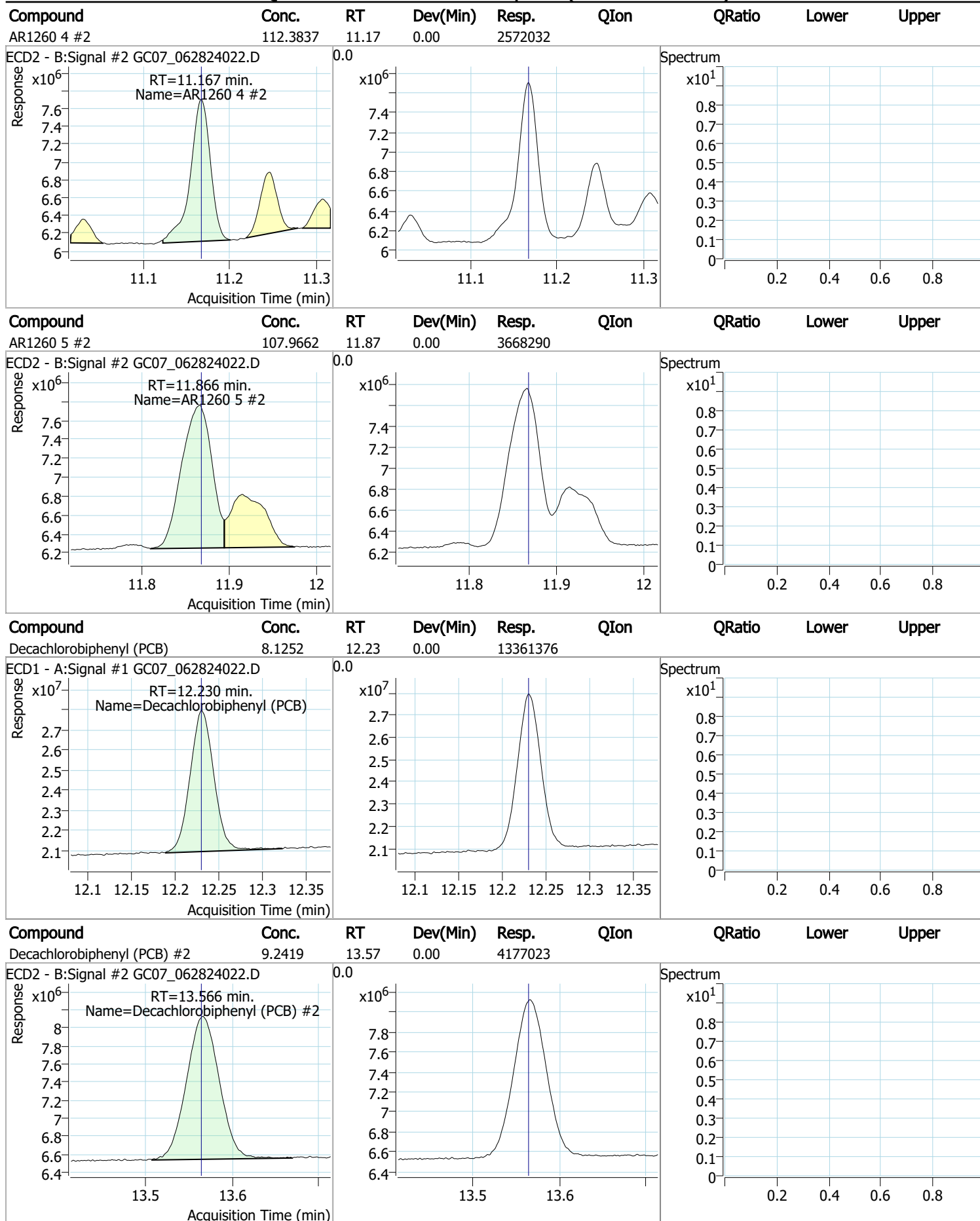
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



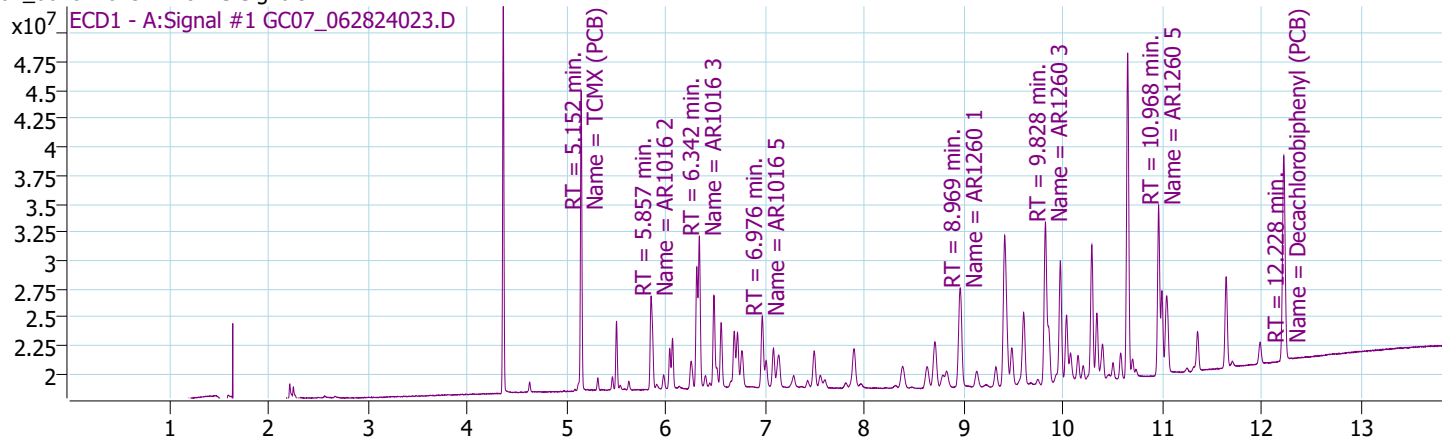
Quantitation Results Report (Not Reviewed)



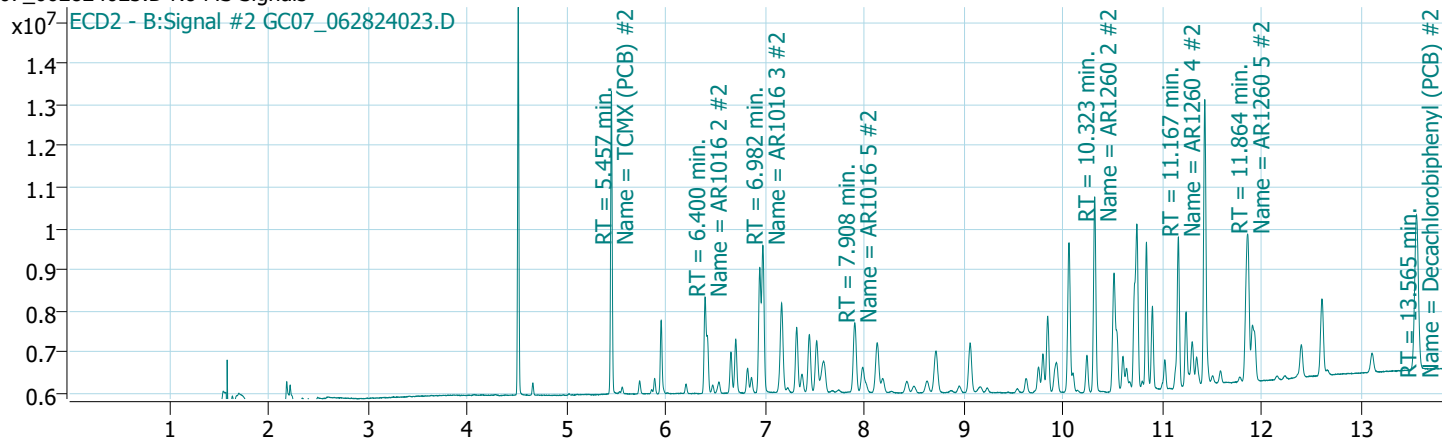
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:56:00 PM
Sample Name	ICAL, S20886	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824023.D No MS Signals



GC07_062824023.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31516744.9 49	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8706647.68 3	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.152	0.0	27608953.9 25	18.7004	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.50%		
S TCMX (PCB) #2	5.457	0.0	8294986.50 8	19.8628	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 99.31%		
S Decachlorobiphenyl (PCB)	12.228	0.0	33725109.8 00	19.4084	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.04%		
S Decachlorobiphenyl (PCB) #2	13.565	0.0	9967762.79 8	20.9563	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.78%		

Target Compounds

QValue

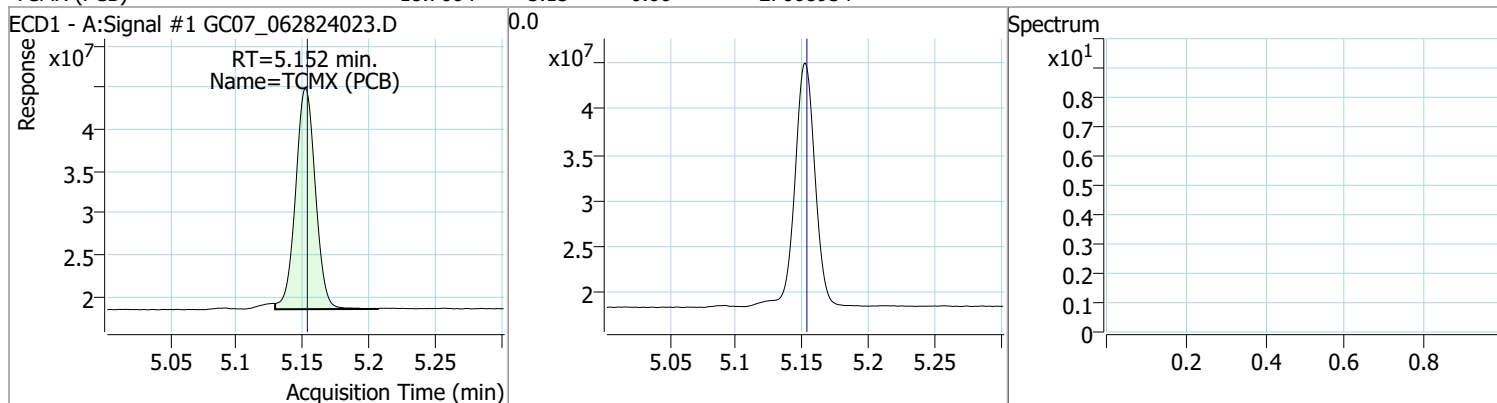
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	6712192.61 0	243.6488	ng/ml	100
T AR1016 2	5.857	0.0	14250498.4 09	249.0043	ng/ml	100
T AR1016 1 #2	5.958	0.0	2323840.60 4	252.7851	ng/ml	100
T AR1016 3	6.342	0.0	17918366.8 50	249.5585	ng/ml	100
T AR1016 2 #2	6.400	0.0	5008145.47 9	263.6804	ng/ml	100
T AR1016 4	6.489	0.0	11491489.6 65	239.9662	ng/ml m	100
T AR1016 5	6.976	0.0	10438984.1 81	247.9935	ng/ml	100
T AR1016 3 #2	6.982	0.0	6112061.26 7	258.0191	ng/ml	100
T AR1016 4 #2	7.171	0.0	4463261.98 2	254.8793	ng/ml	100
T AR1016 5 #2	7.908	0.0	3656086.32 0	258.1464	ng/ml	100
T AR1260 1	8.969	0.0	19845618.5 95	235.0727	ng/ml	100
T AR1260 2	9.418	0.0	30959966.1 63	240.1138	ng/ml	100
T AR1260 3	9.828	0.0	33635868.4 00	242.4531	ng/ml m	100
T AR1260 1 #2	10.065	0.0	6539148.10 5	259.6026	ng/ml	100
T AR1260 4	10.295	0.0	19650501.0 43	245.0021	ng/ml	100
T AR1260 2 #2	10.323	0.0	7907548.73 9	249.8895	ng/ml	100
T AR1260 3 #2	10.748	0.0	9518789.50 8	249.9024	ng/ml	100
T AR1260 5	10.968	0.0	22933282.0 20	238.7815	ng/ml	100
T AR1260 4 #2	11.167	0.0	6190347.73 5	257.0178	ng/ml	100
T AR1260 5 #2	11.864	0.0	8834908.38 5	247.0855	ng/ml	100

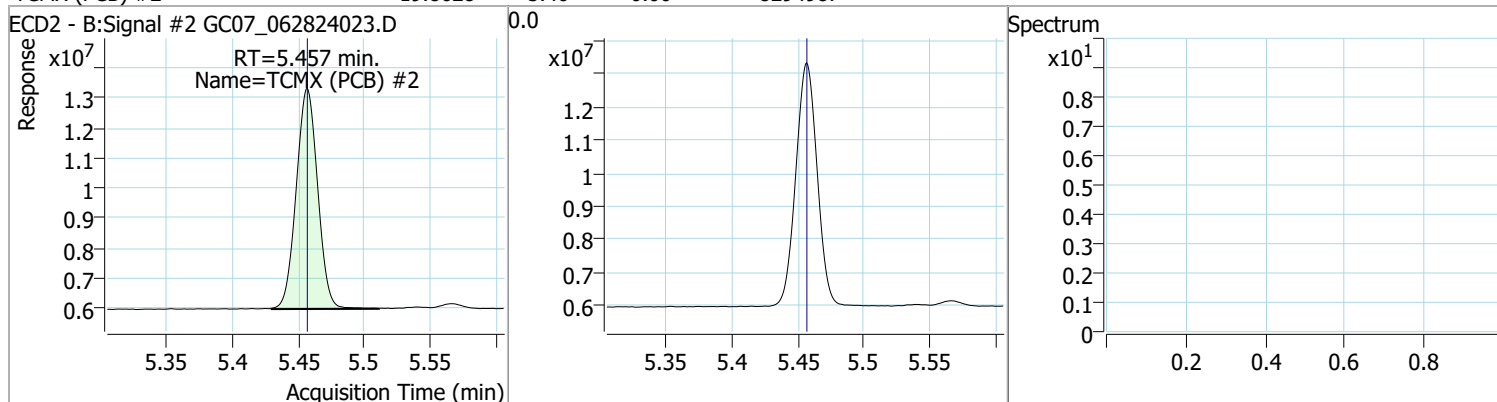
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

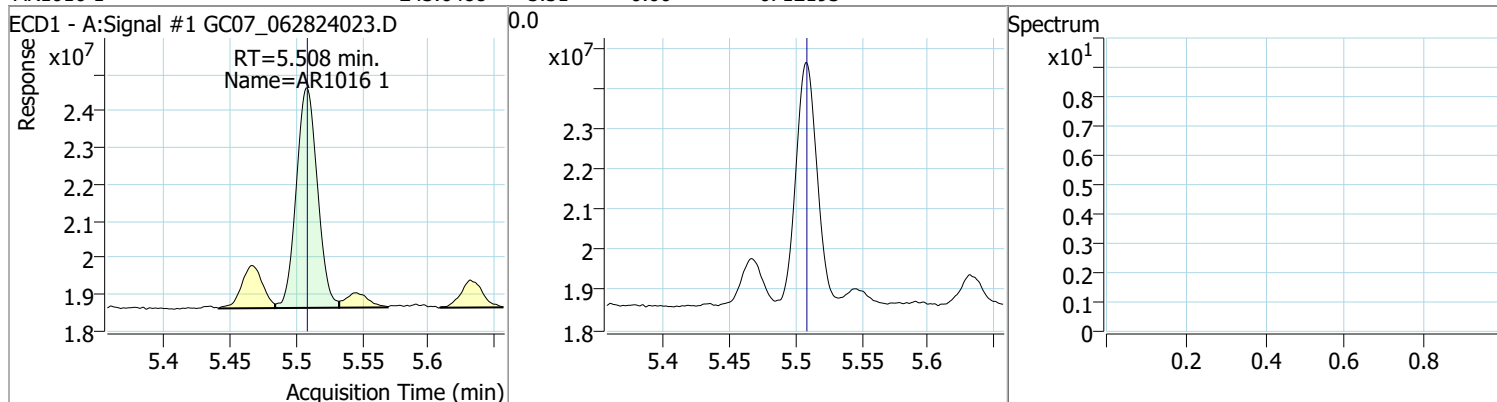
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.7004	5.15	0.00	27608954				



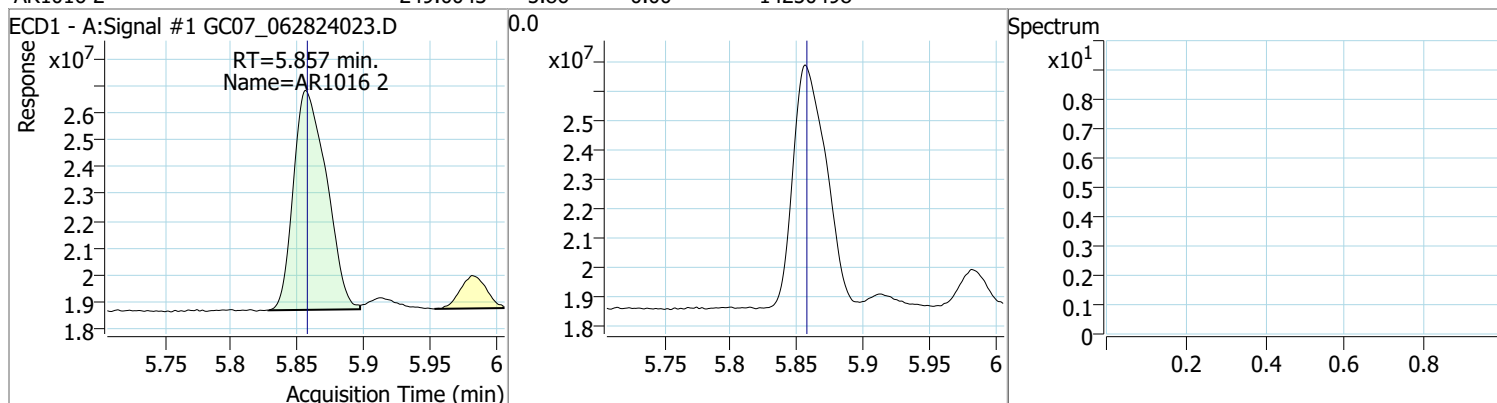
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.8628	5.46	0.00	8294987				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	243.6488	5.51	0.00	6712193				

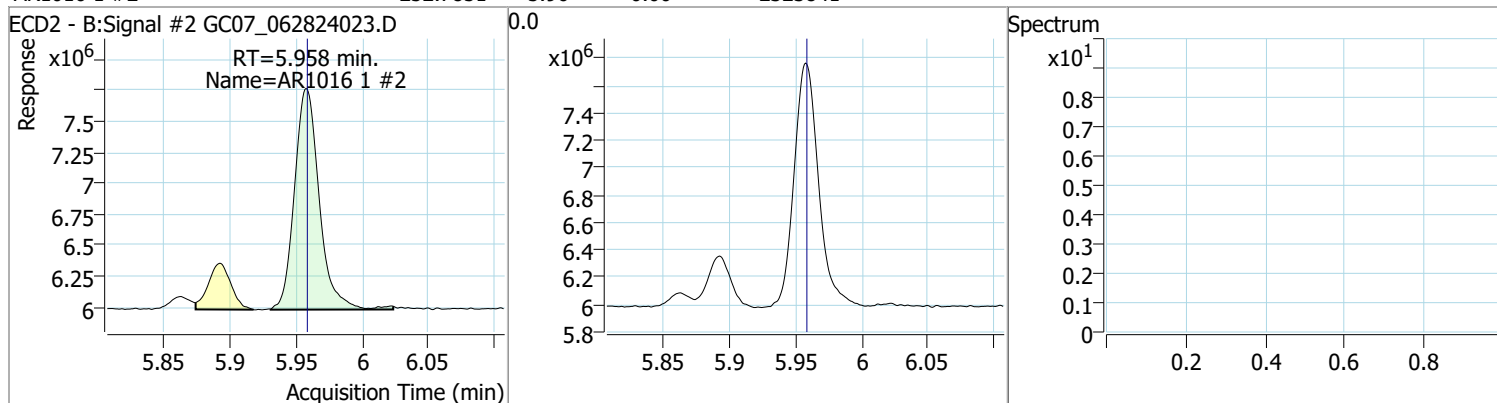


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	249.0043	5.86	0.00	14250498				

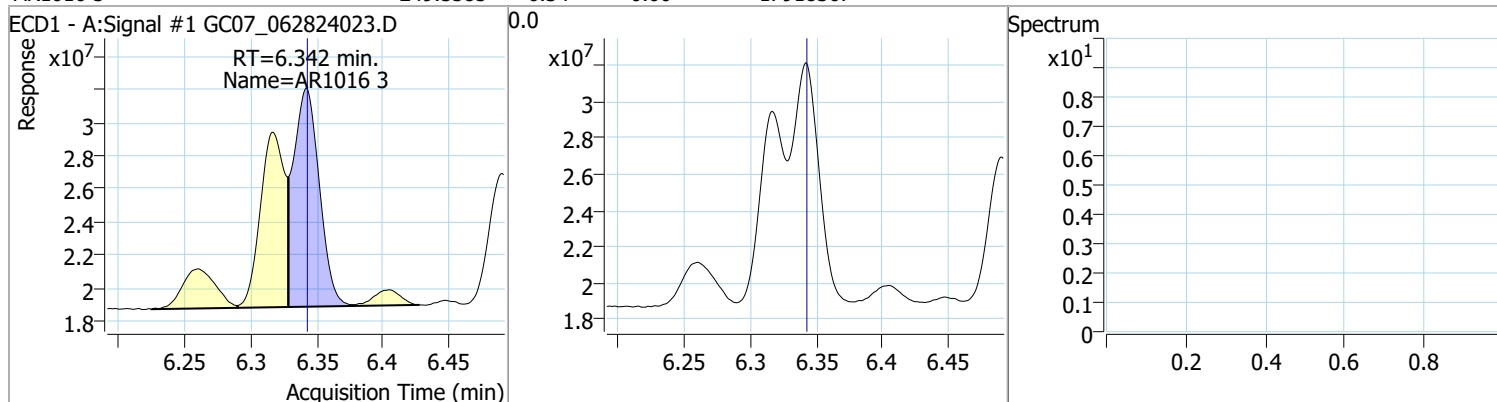


Quantitation Results Report (Not Reviewed)

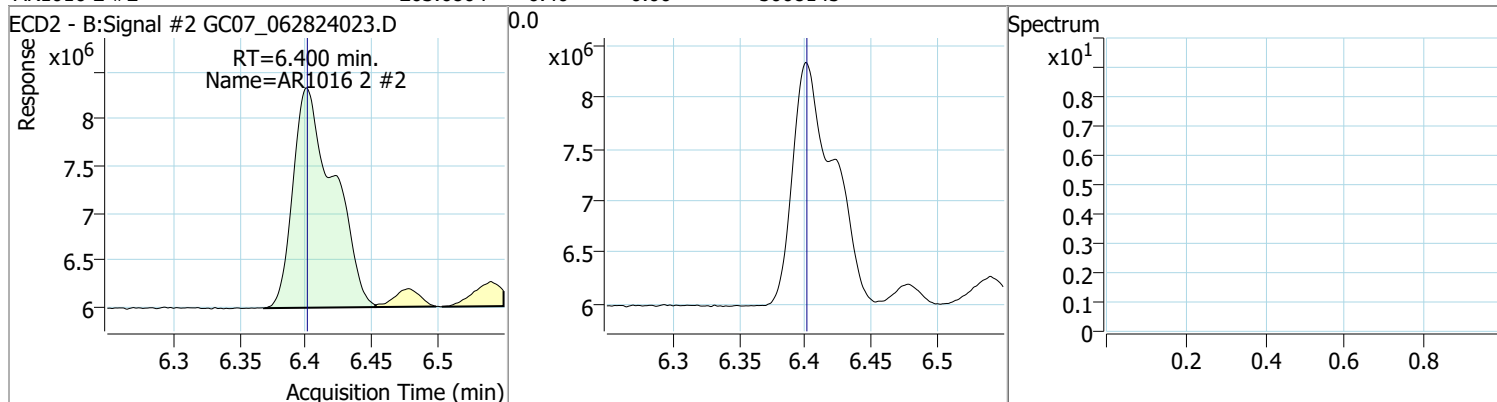
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	252.7851	5.96	0.00	2323841				



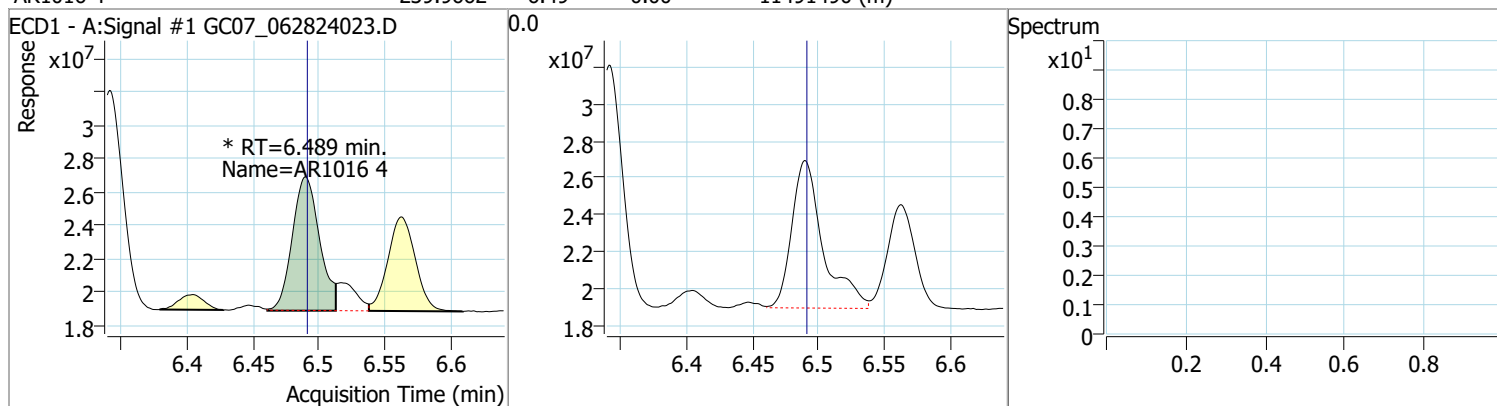
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	249.5585	6.34	0.00	17918367				



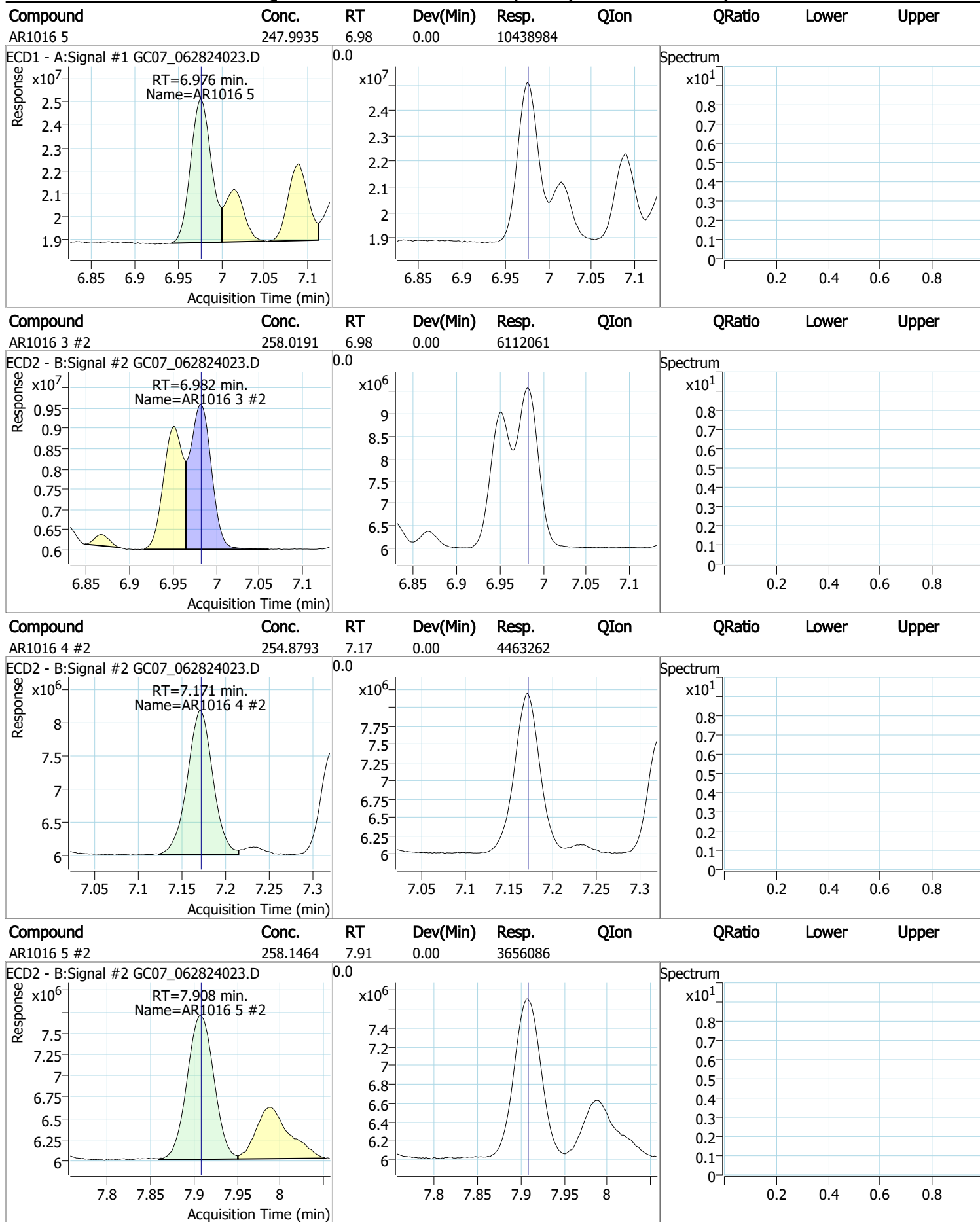
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	263.6804	6.40	0.00	5008145				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	239.9662	6.49	0.00	11491490 (m)				

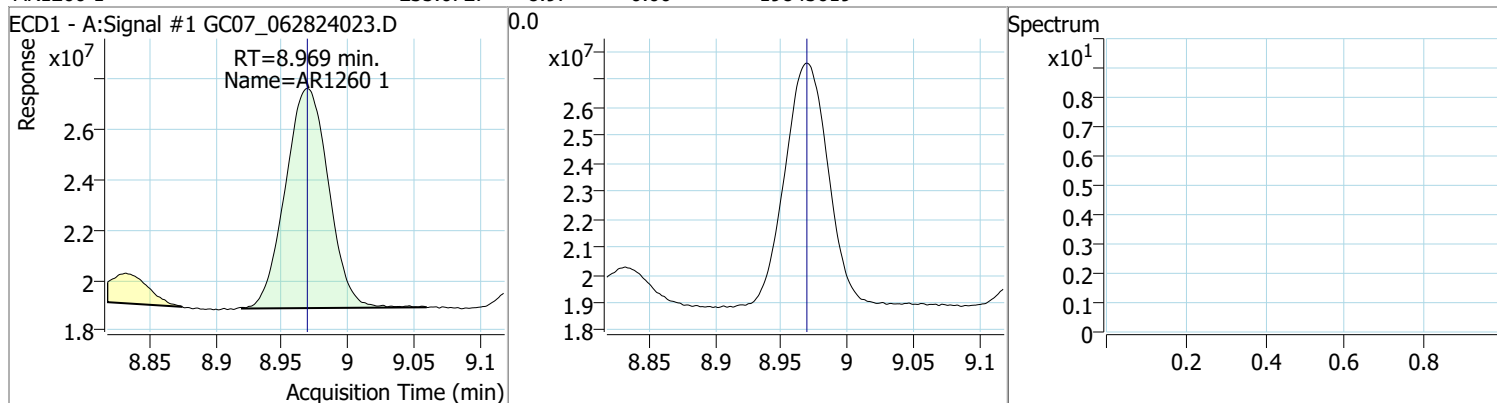


Quantitation Results Report (Not Reviewed)

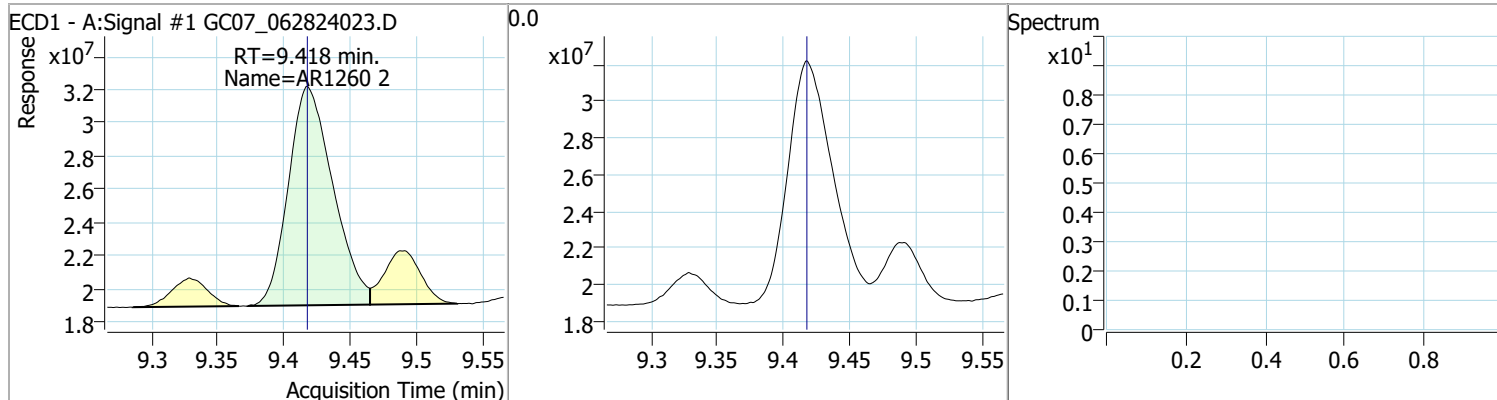


Quantitation Results Report (Not Reviewed)

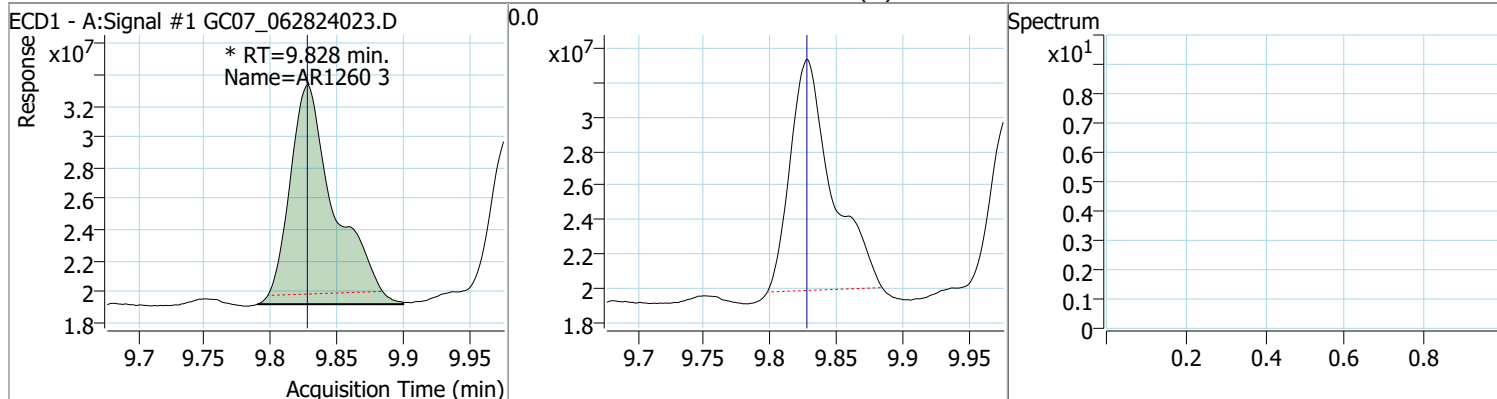
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	235.0727	8.97	0.00	19845619				



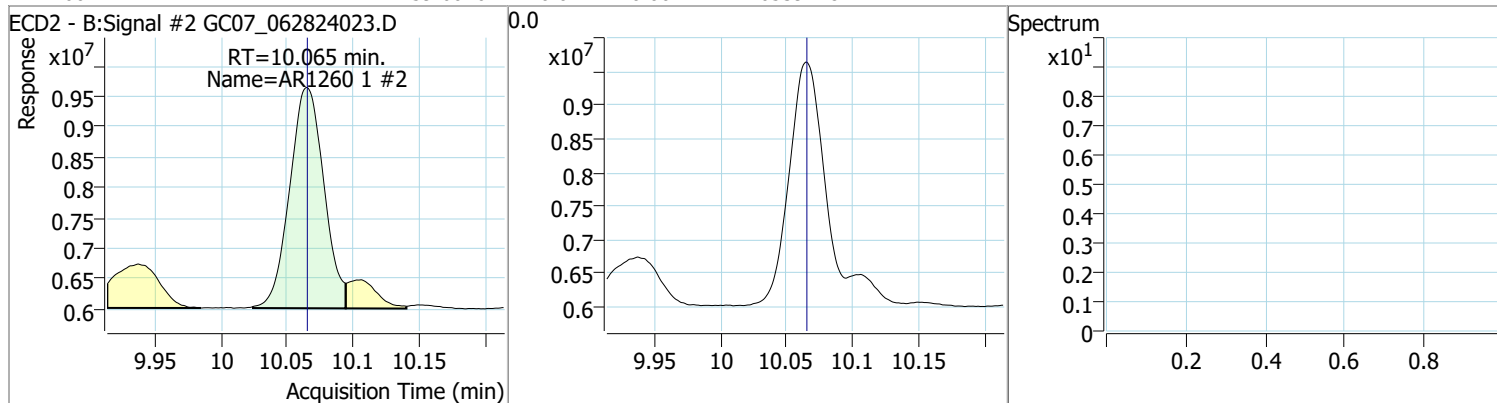
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	240.1138	9.42	0.00	30959966				



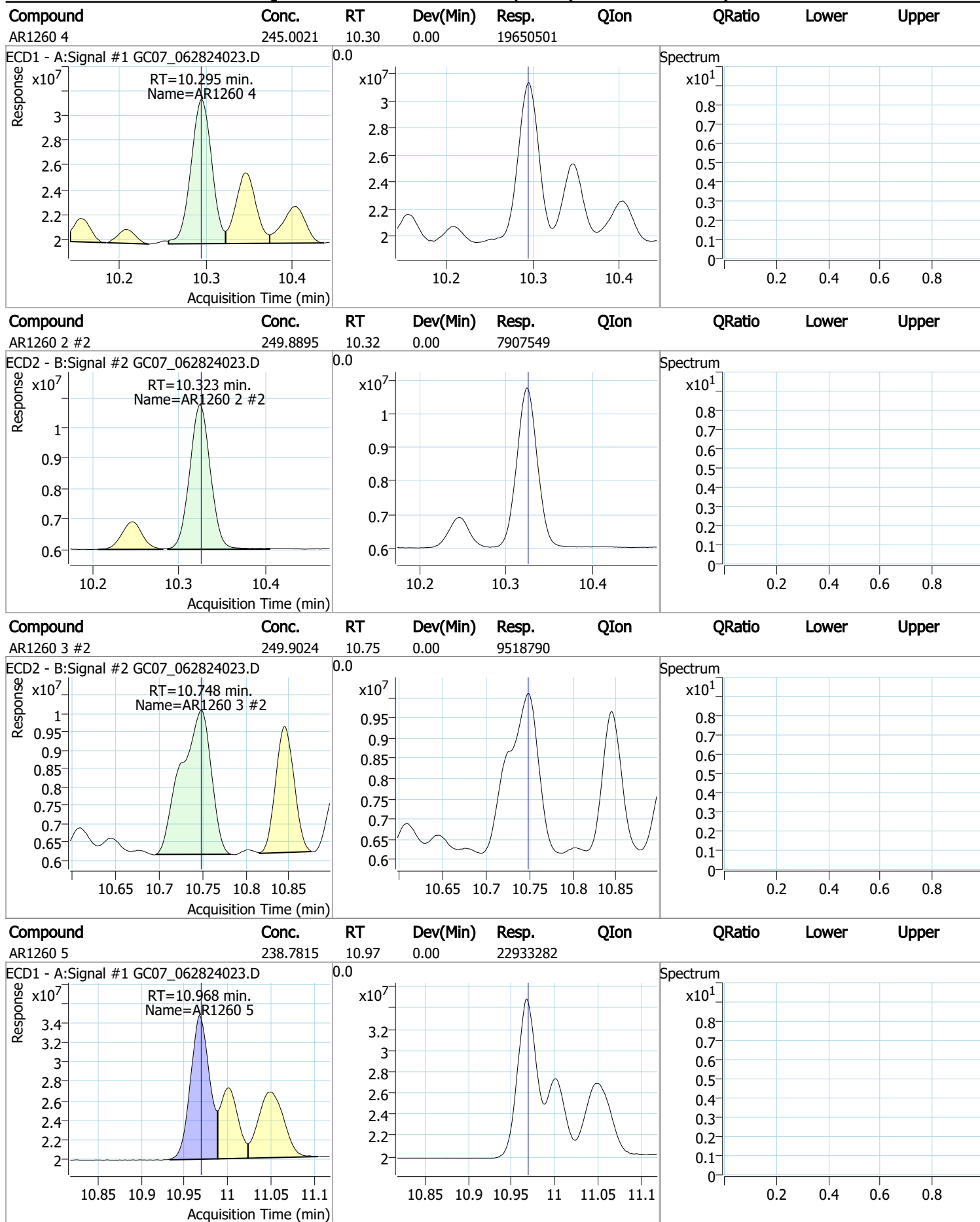
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	242.4531	9.83	0.00	33635868 (m)				



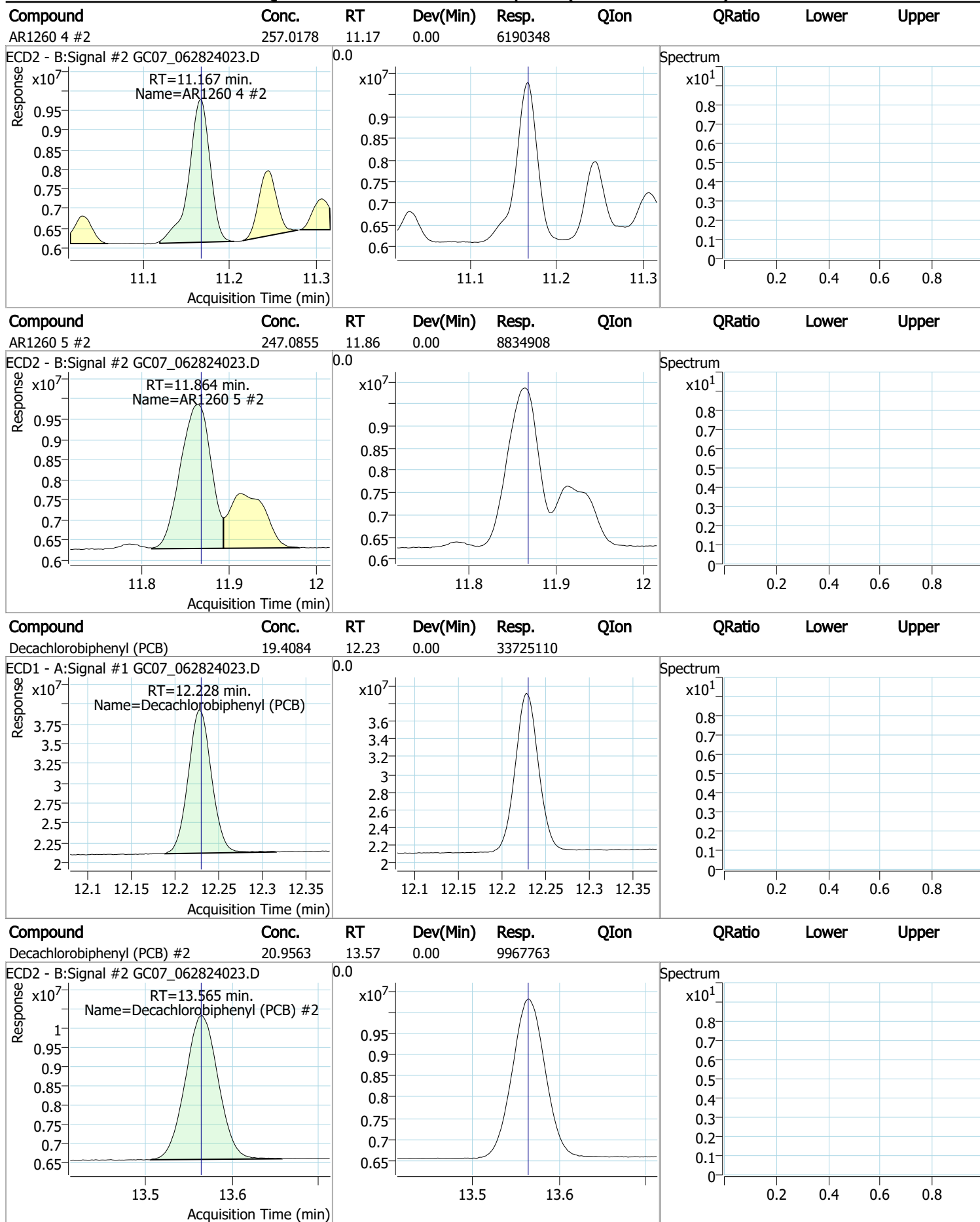
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	259.6026	10.07	0.00	6539148				



Quantitation Results Report (Not Reviewed)

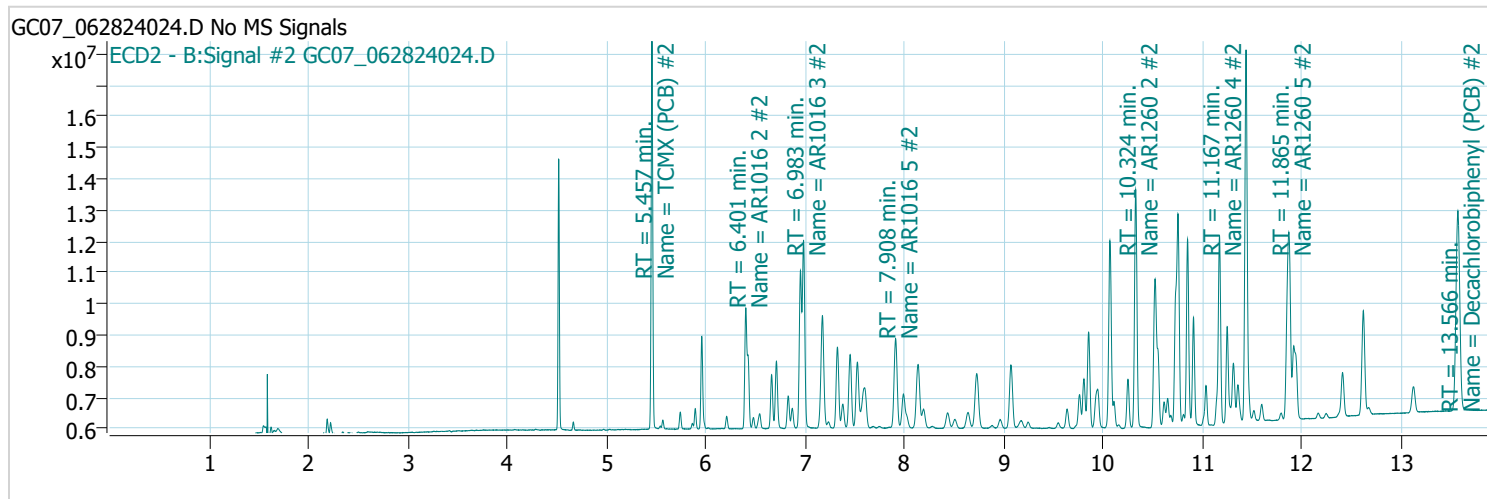
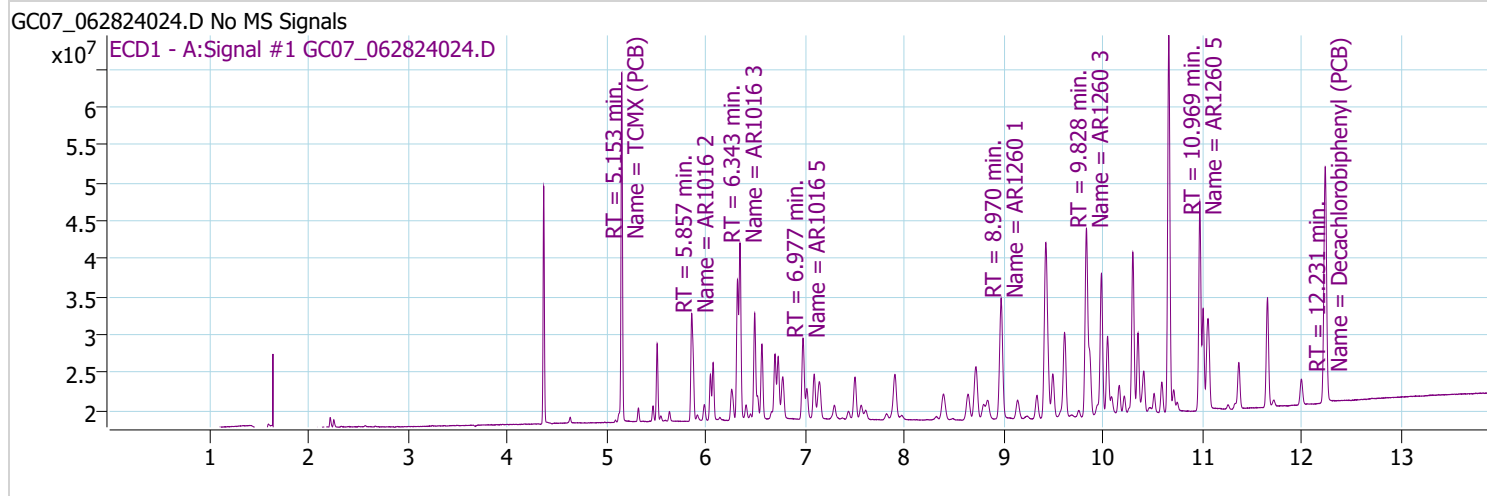


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:13:27 PM
Sample Name	ICAL, S20887	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28559390.8 30	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8178446.73 5	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	48329494.5 91	36.1248	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.62%	*	
S TCMX (PCB) #2	5.457	0.0	14145725.0 48	36.0604	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.30%	*	
S Decachlorobiphenyl (PCB)	12.231	0.0	59871129.0 47	38.0230	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.12%	*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	17397856.5 64	38.9397	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.70%	*	

Target Compounds

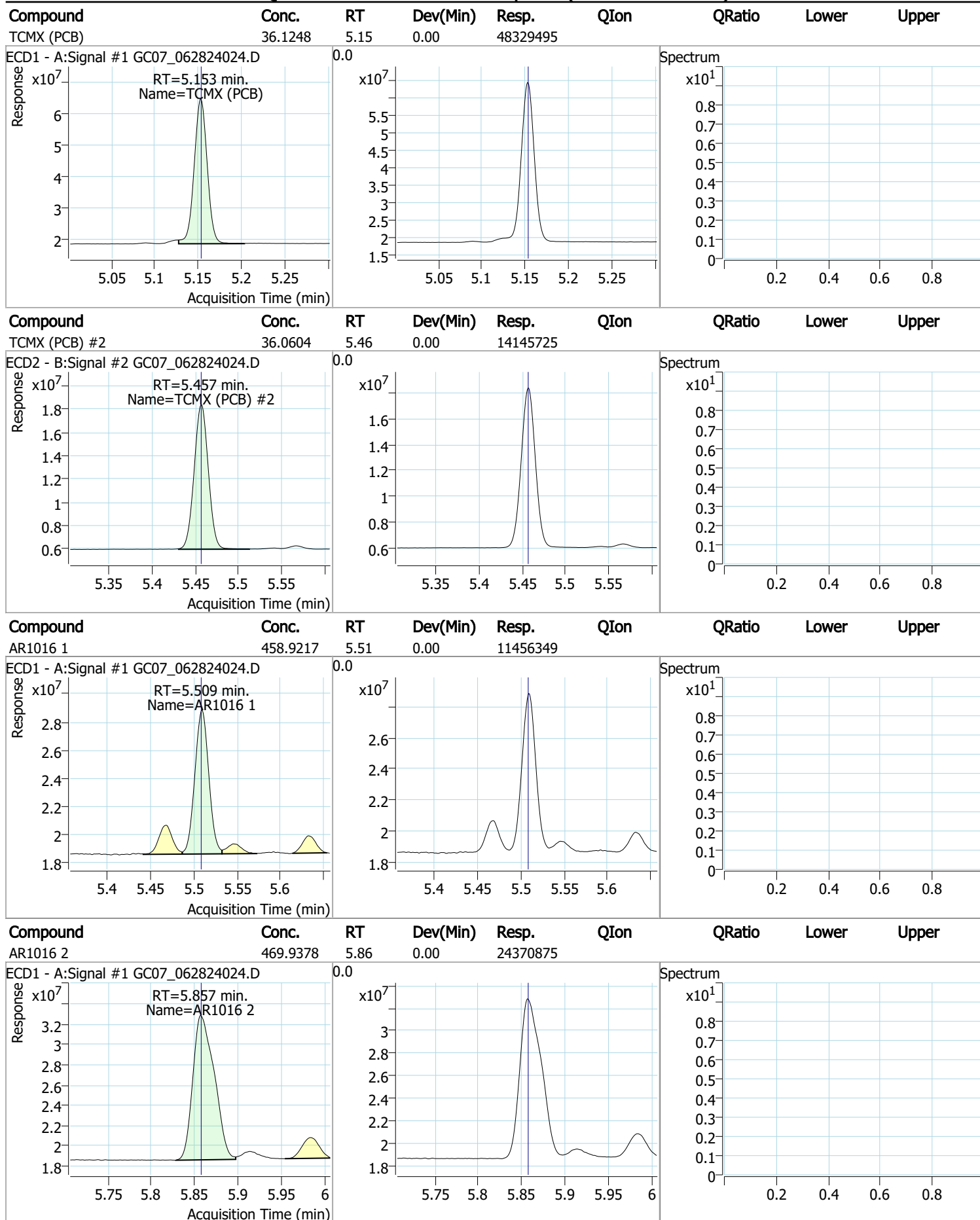
QValue

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.509	0.0	11456349.1 24	458.9217	ng/ml	100
T AR1016 2	5.857	0.0	24370875.0 13	469.9378	ng/ml	100
T AR1016 1 #2	5.958	0.0	3894646.51 1	451.0175	ng/ml	100
T AR1016 3	6.343	0.0	31510228.2 77	484.3037	ng/ml	100
T AR1016 2 #2	6.401	0.0	8436943.17 4	472.8965	ng/ml	100
T AR1016 4	6.491	0.0	20171592.7 97	464.8430	ng/ml m	100
T AR1016 5	6.977	0.0	17790602.6 32	466.4070	ng/ml	100
T AR1016 3 #2	6.983	0.0	10321710.6 74	463.8696	ng/ml	100
T AR1016 4 #2	7.172	0.0	7517043.58 4	456.9929	ng/ml	100
T AR1016 5 #2	7.908	0.0	6164598.65 2	463.3771	ng/ml	100
T AR1260 1	8.970	0.0	34968974.1 38	457.1017	ng/ml	100
T AR1260 2	9.420	0.0	54467793.9 82	466.1748	ng/ml	100
T AR1260 3	9.828	0.0	59512614.7 00	473.3981	ng/ml m	100
T AR1260 1 #2	10.064	0.0	10972294.3 21	463.7303	ng/ml	100
T AR1260 4	10.295	0.0	35258109.2 21	485.1182	ng/ml	100
T AR1260 2 #2	10.324	0.0	13186955.0 89	443.6401	ng/ml	100
T AR1260 3 #2	10.749	0.0	16208572.8 25	453.0160	ng/ml	100
T AR1260 5	10.969	0.0	41681149.4 73	478.9239	ng/ml	100
T AR1260 4 #2	11.167	0.0	10585125.2 58	467.8691	ng/ml	100
T AR1260 5 #2	11.865	0.0	15343499.8 70	456.8250	ng/ml	100

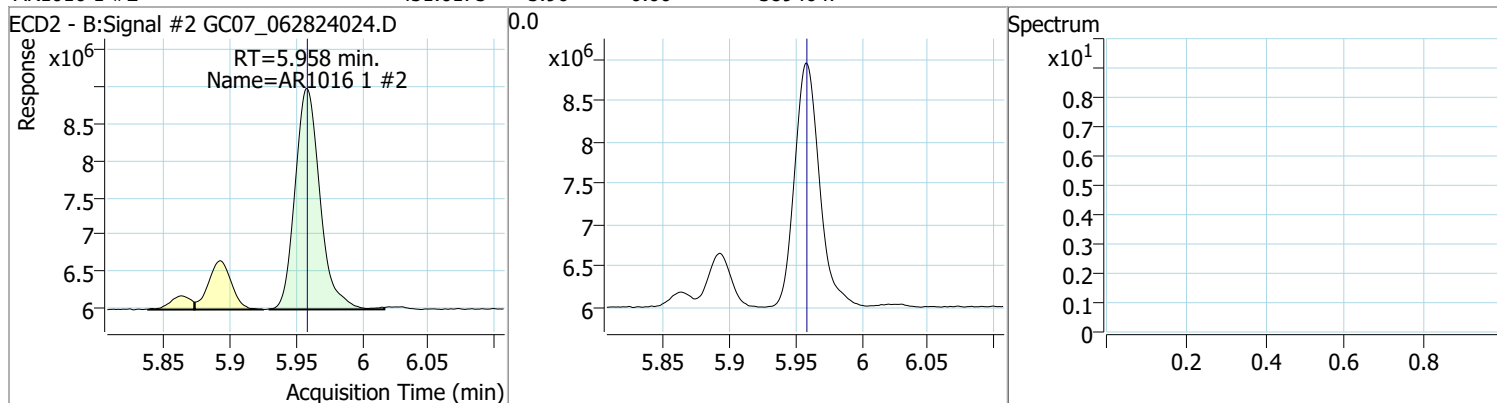
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

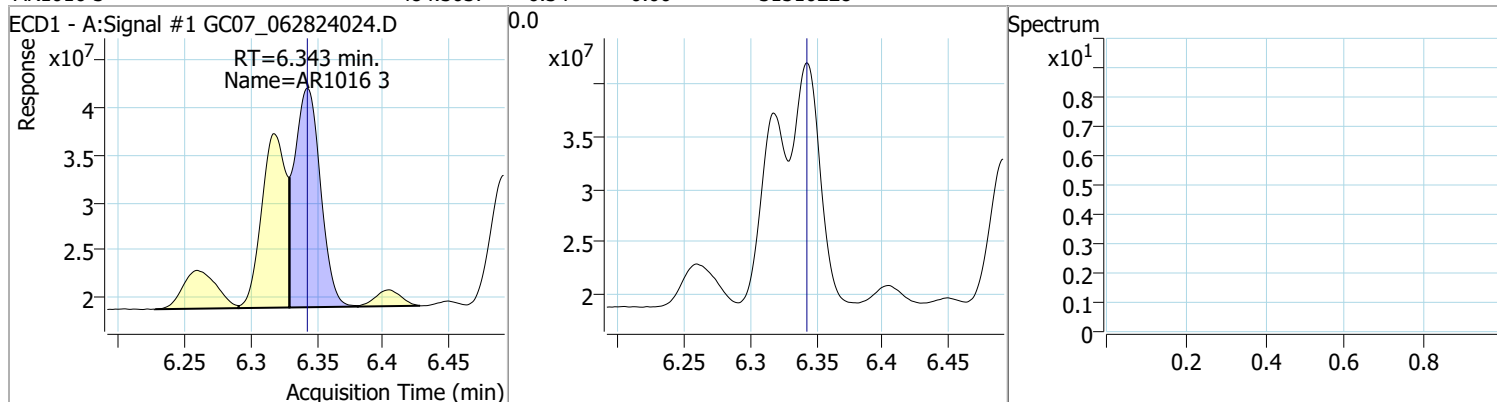


Quantitation Results Report (Not Reviewed)

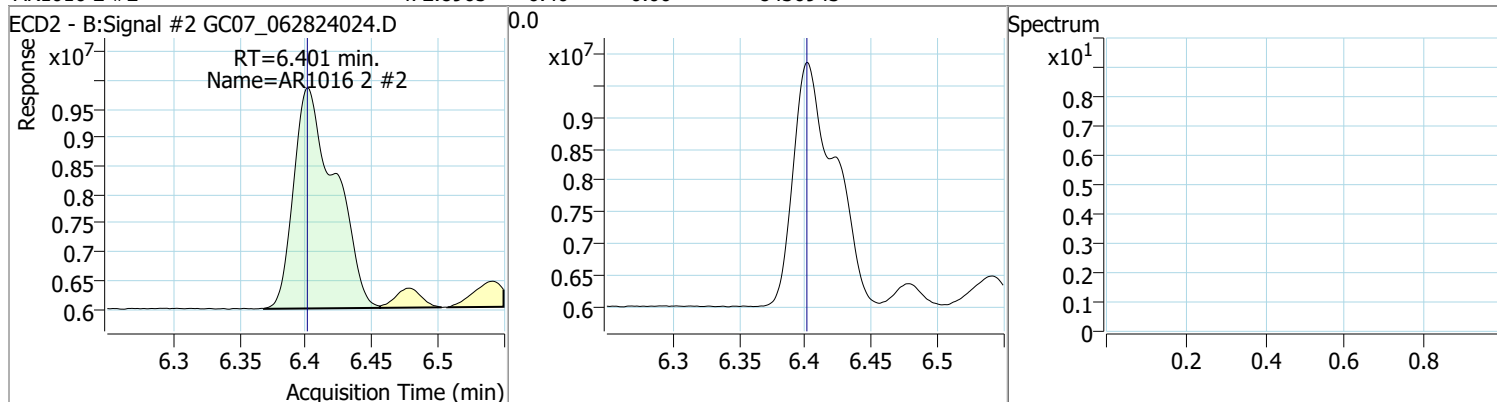
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	451.0175	5.96	0.00	3894647				



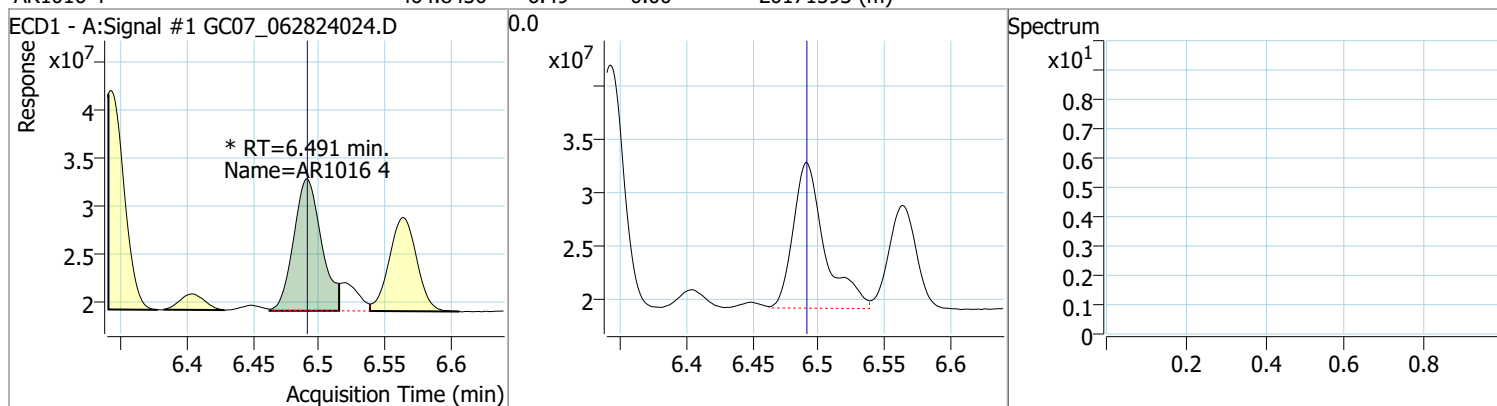
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	484.3037	6.34	0.00	31510228				



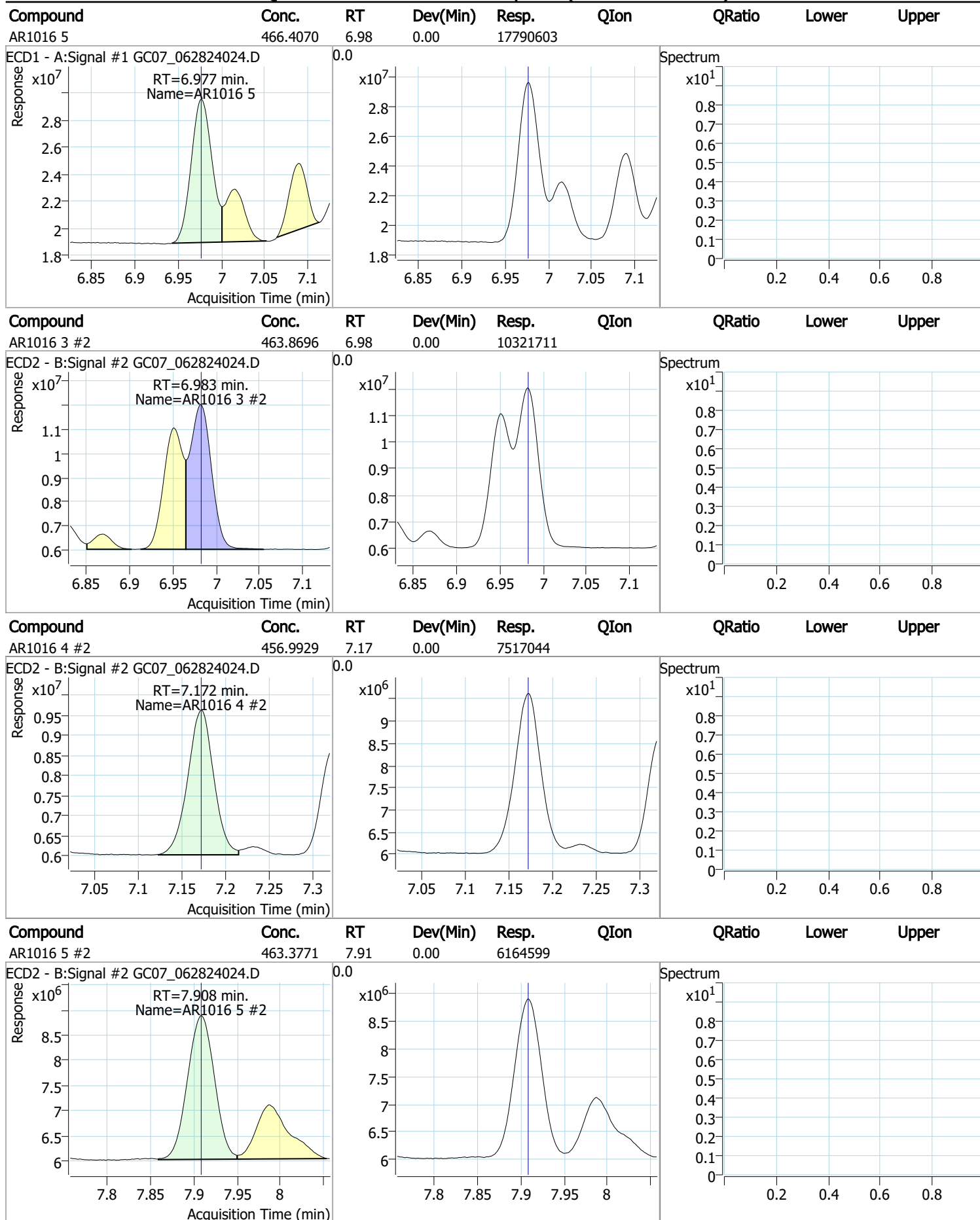
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	472.8965	6.40	0.00	8436943				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	464.8430	6.49	0.00	20171593 (m)				

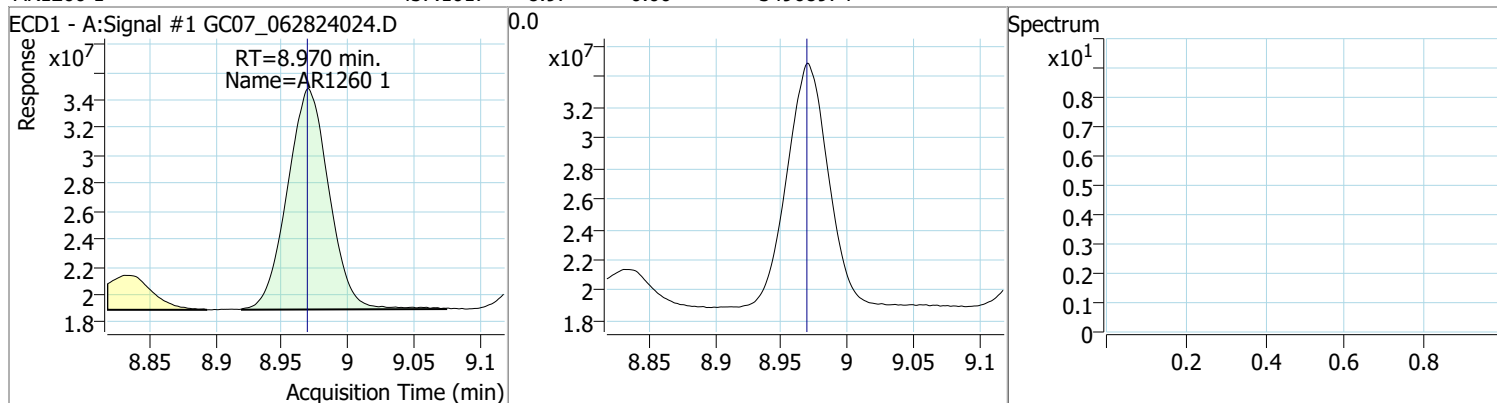


Quantitation Results Report (Not Reviewed)

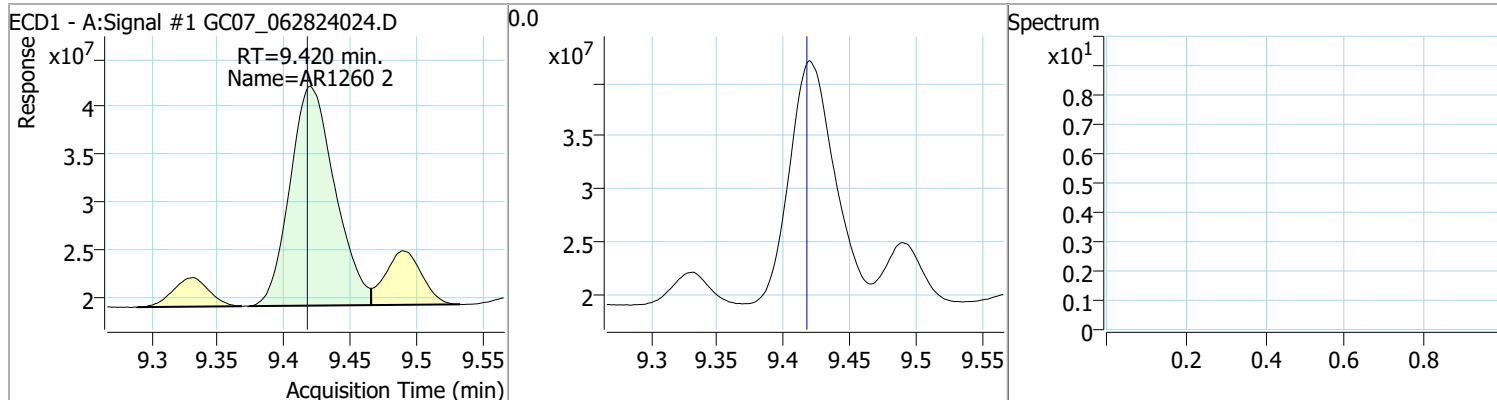


Quantitation Results Report (Not Reviewed)

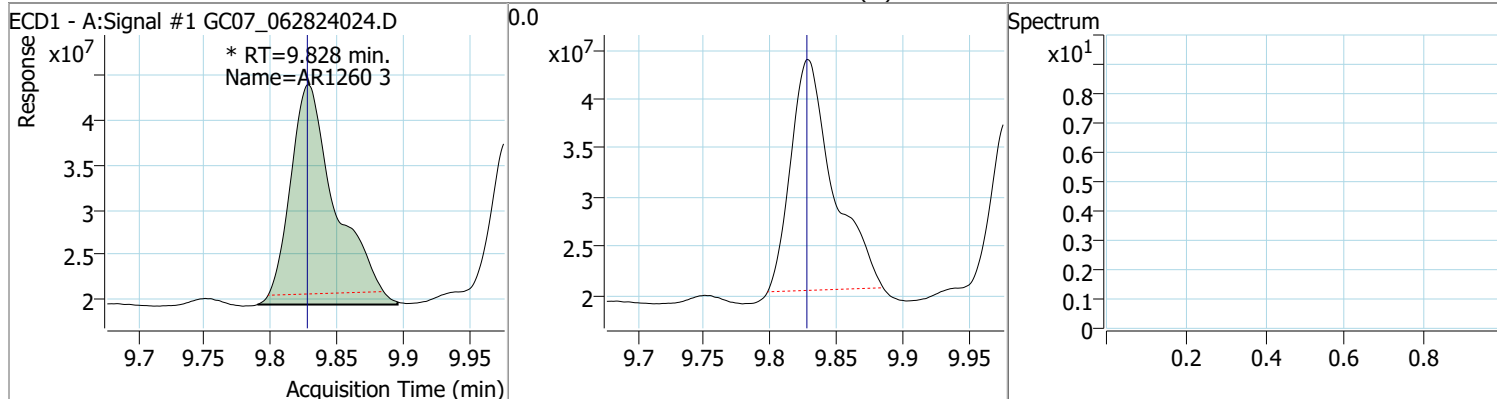
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	457.1017	8.97	0.00	34968974				



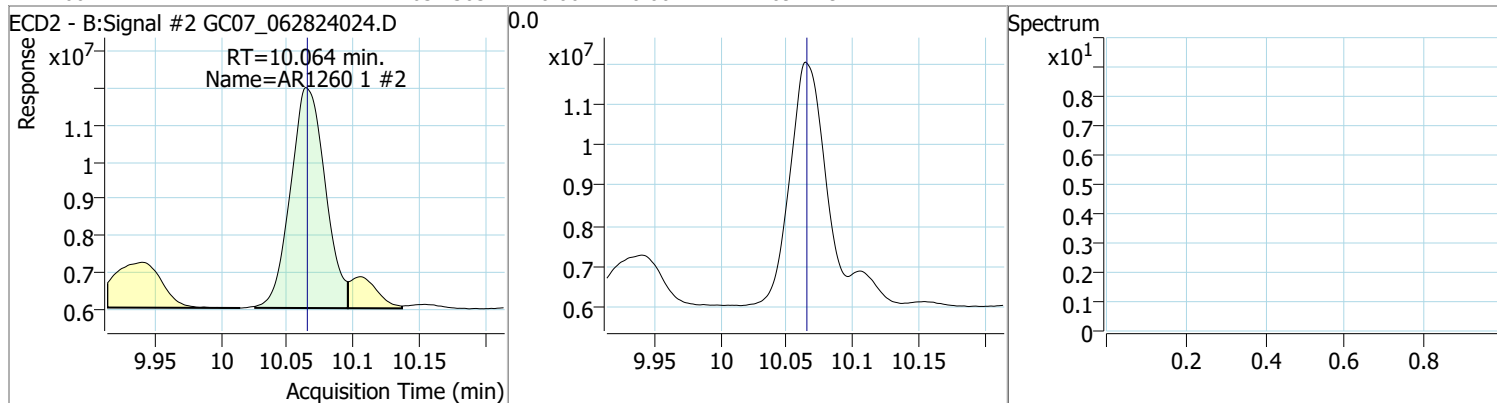
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	466.1748	9.42	0.00	54467794				



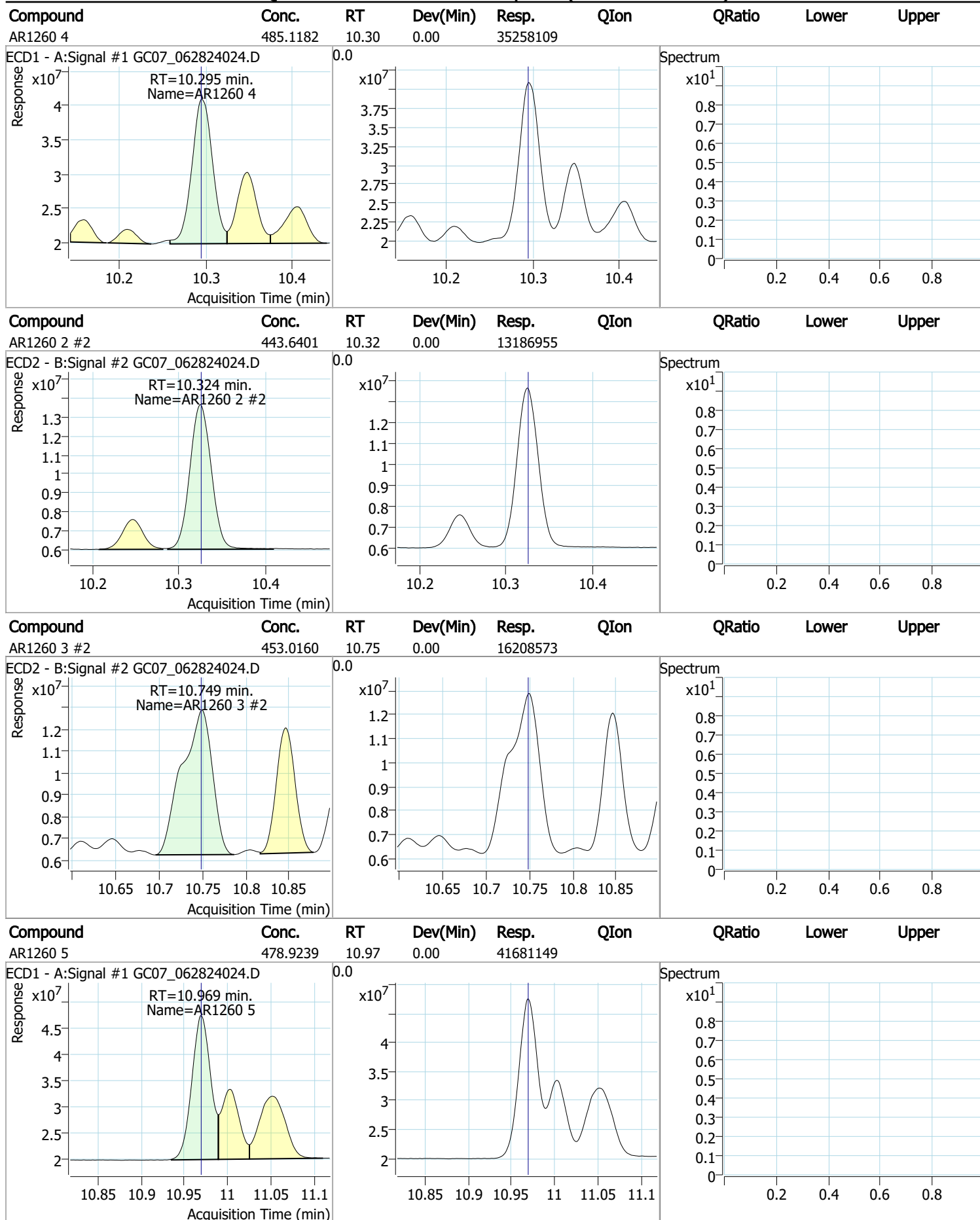
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	473.3981	9.83	0.00	59512615 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	463.7303	10.06	0.00	10972294				

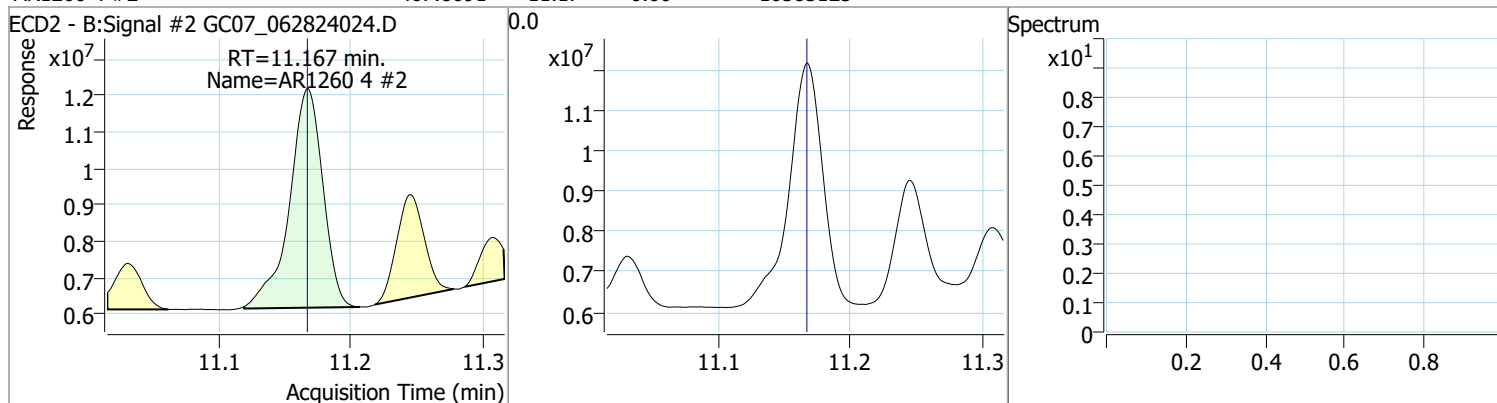


Quantitation Results Report (Not Reviewed)

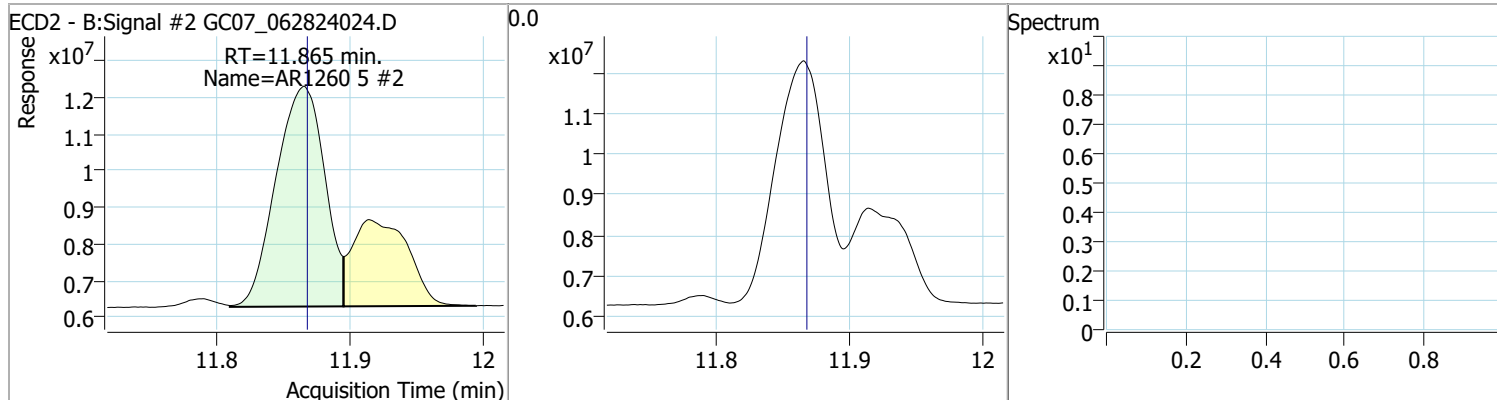


Quantitation Results Report (Not Reviewed)

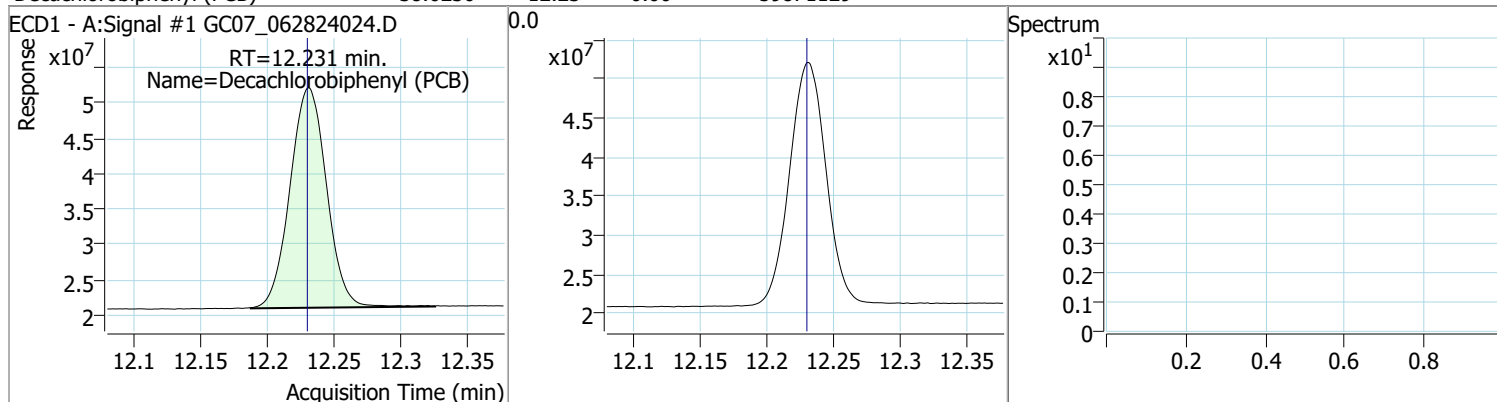
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	467.8691	11.17	0.00	10585125				



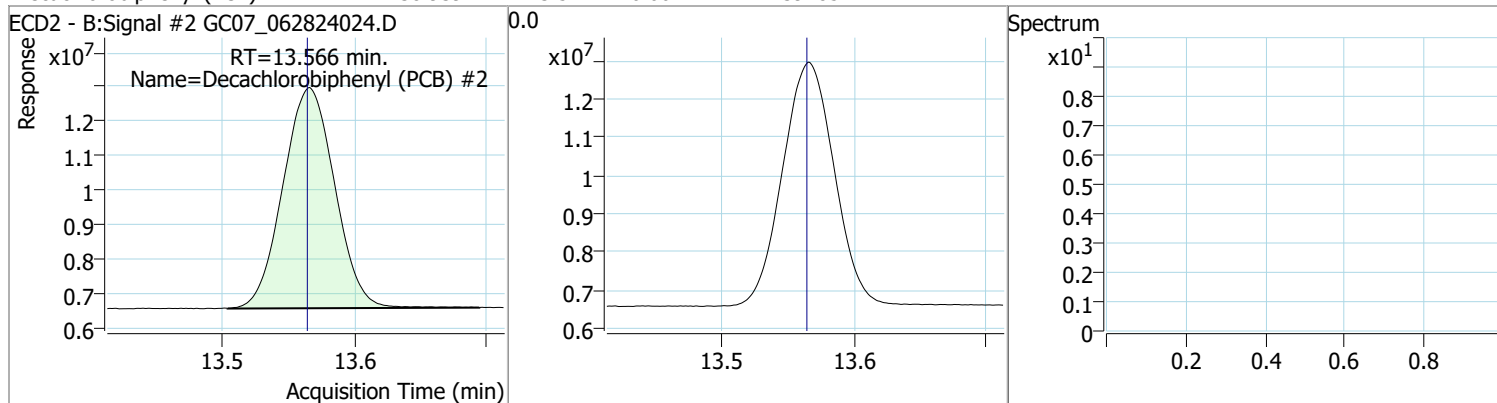
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	456.8250	11.87	0.00	15343500				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.0230	12.23	0.00	59871129				

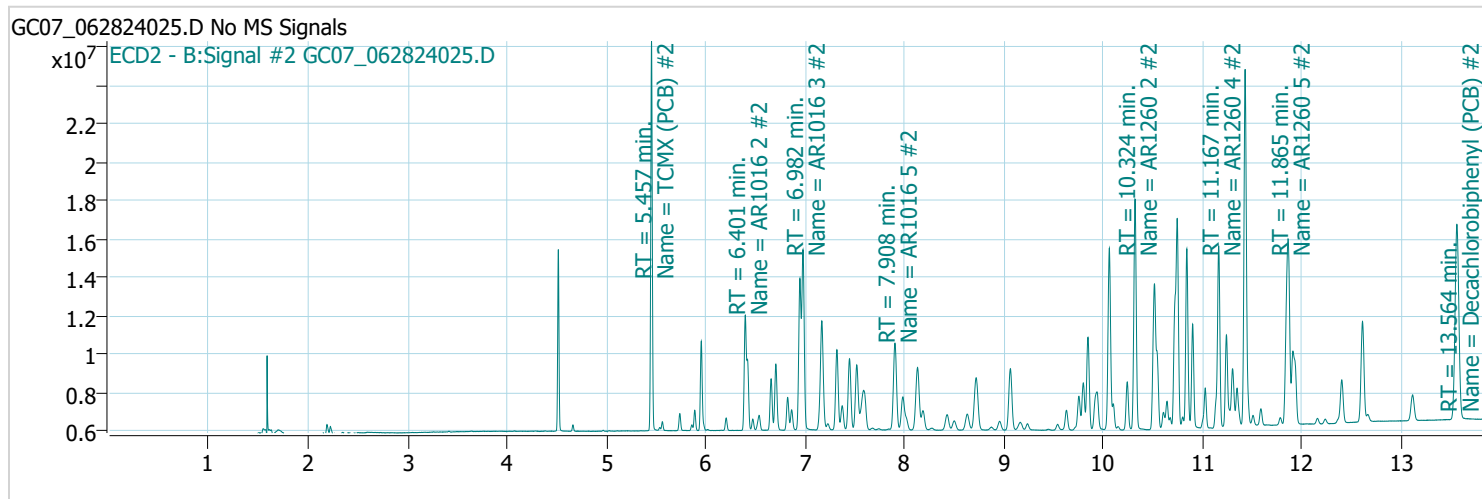
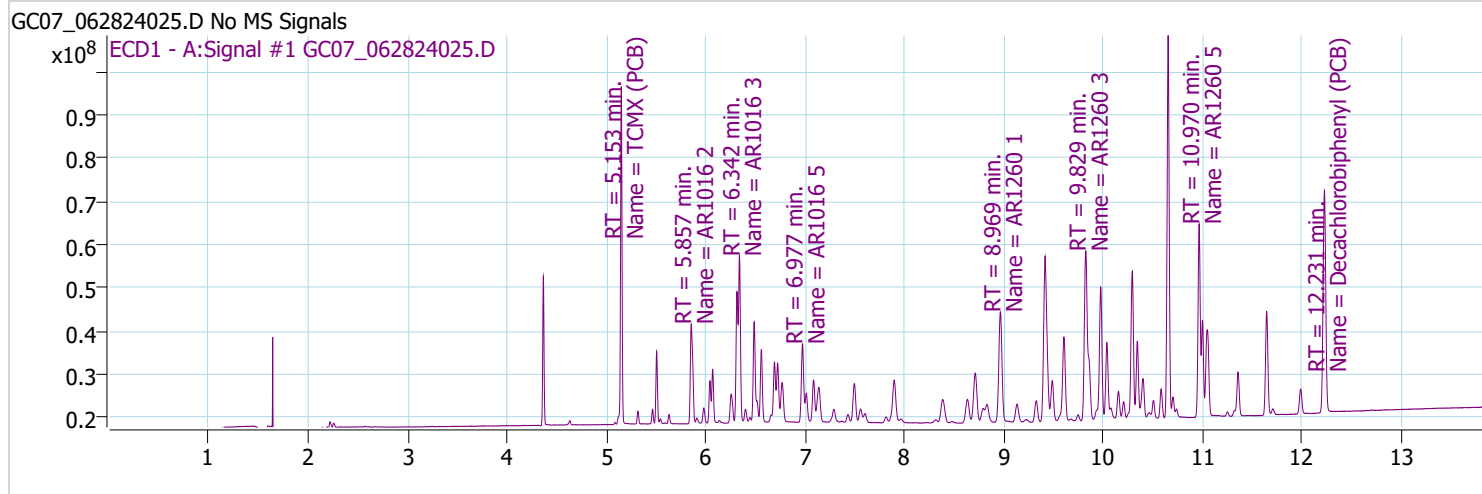


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.9397	13.57	0.00	17397857				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:30:49 PM
Sample Name	ICAL, S20888	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31521008.606	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8732372.944	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	80432127.843	54.4718	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.36%	*	
S TCMX (PCB) #2	5.457	0.0	22613164.492	53.9889	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 269.94%	*	
S Decachlorobiphenyl (PCB)	12.231	0.0	96925538.200	55.7720	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 278.86%	*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	27480913.922	57.6059	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 288.03%	*	

Target Compounds

QValue

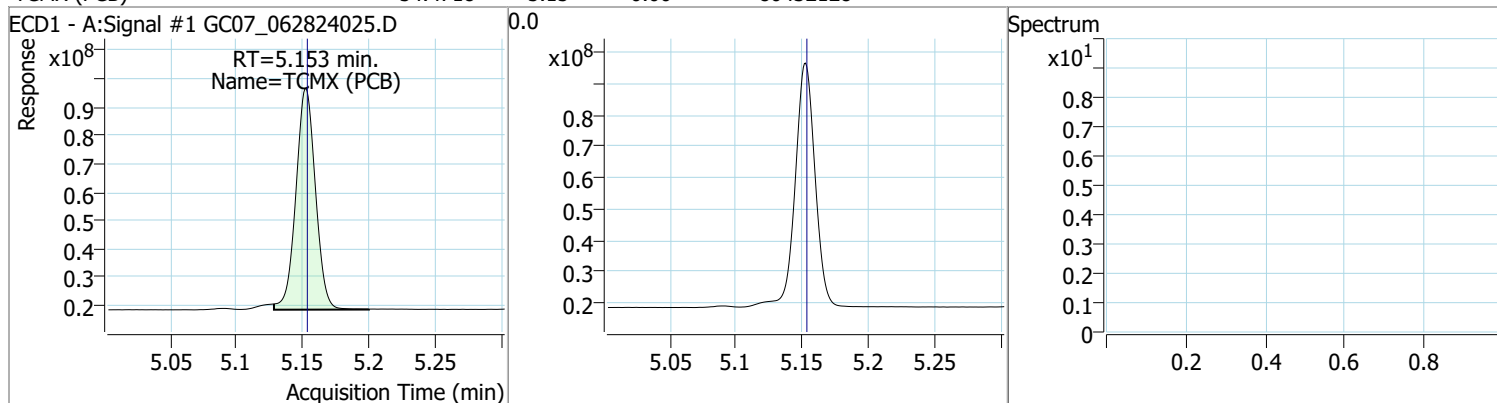
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	18625516.4 87	676.0044	ng/ml	100
T AR1016 2	5.857	0.0	39821970.9 78	695.7301	ng/ml	100
T AR1016 1 #2	5.958	0.0	6200185.22 0	672.4632	ng/ml	100
T AR1016 3	6.342	0.0	51592156.3 19	718.4537	ng/ml	100
T AR1016 2 #2	6.401	0.0	13186618.0 85	692.2341	ng/ml	100
T AR1016 4	6.490	0.0	33104238.2 83	691.1918	ng/ml m	100
T AR1016 5	6.977	0.0	29391368.3 48	698.1409	ng/ml	100
T AR1016 3 #2	6.982	0.0	16217427.8 25	682.5976	ng/ml	100
T AR1016 4 #2	7.171	0.0	11905034.1 92	677.8469	ng/ml	100
T AR1016 5 #2	7.908	0.0	9906393.65 3	697.4031	ng/ml	100
T AR1260 1	8.969	0.0	57310265.3 57	678.7522	ng/ml	100
T AR1260 2	9.419	0.0	88600636.0 07	687.0600	ng/ml	100
T AR1260 3	9.829	0.0	99715428.3 43	718.6686	ng/ml m	100
T AR1260 1 #2	10.066	0.0	17249631.3 32	682.7888	ng/ml	100
T AR1260 4	10.297	0.0	58329005.6 93	727.1466	ng/ml	100
T AR1260 2 #2	10.324	0.0	20569819.2 38	648.1198	ng/ml	100
T AR1260 3 #2	10.749	0.0	25623427.8 39	670.7251	ng/ml	100
T AR1260 5	10.970	0.0	68834711.0 95	716.6105	ng/ml	100
T AR1260 4 #2	11.167	0.0	17176003.2 20	711.0318	ng/ml	100
T AR1260 5 #2	11.865	0.0	24458563.6 83	682.0165	ng/ml	100

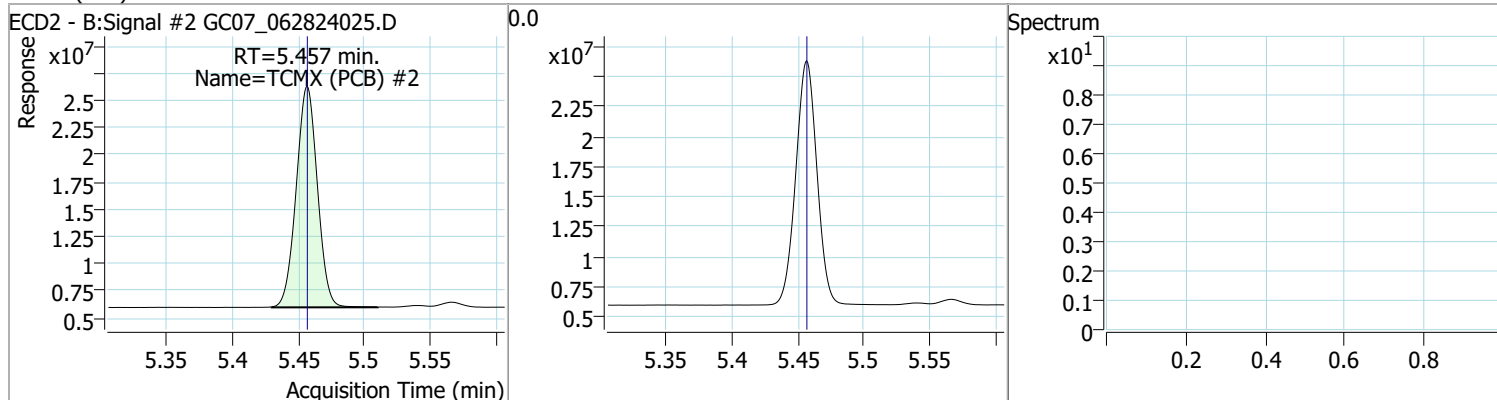
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

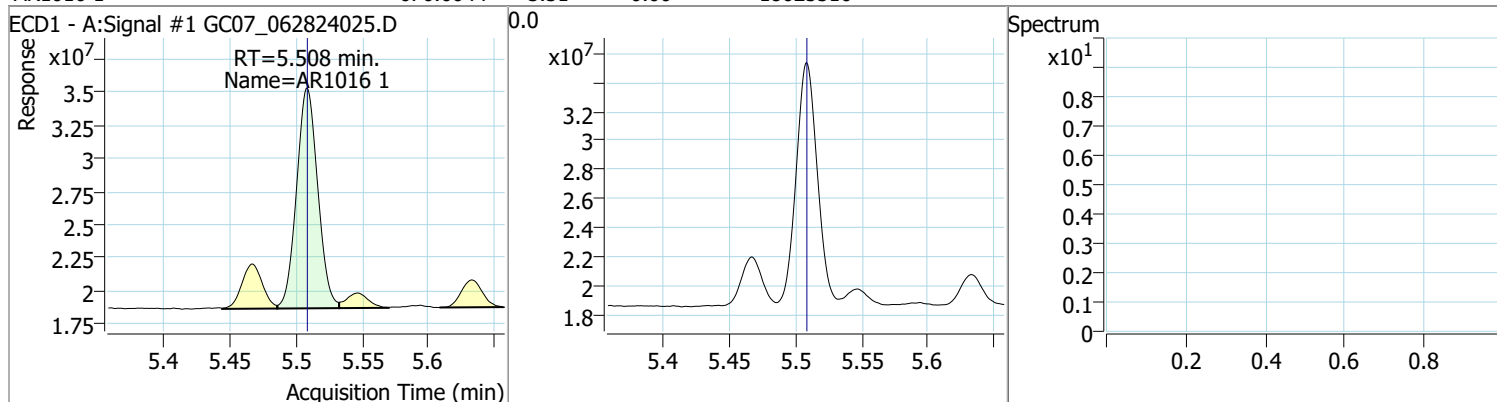
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	54.4718	5.15	0.00	80432128				



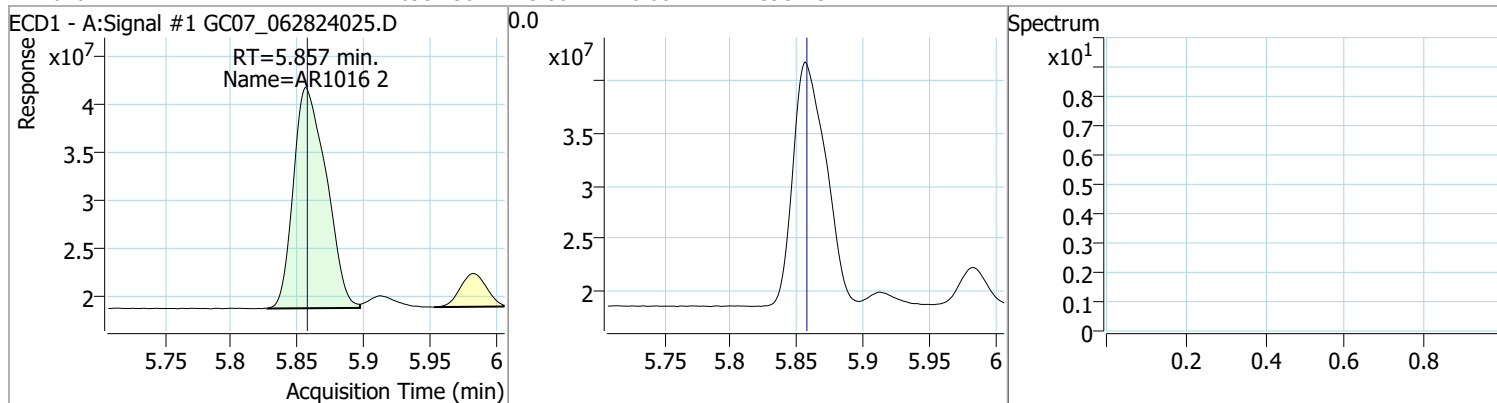
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	53.9889	5.46	0.00	22613164				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	676.0044	5.51	0.00	18625516				

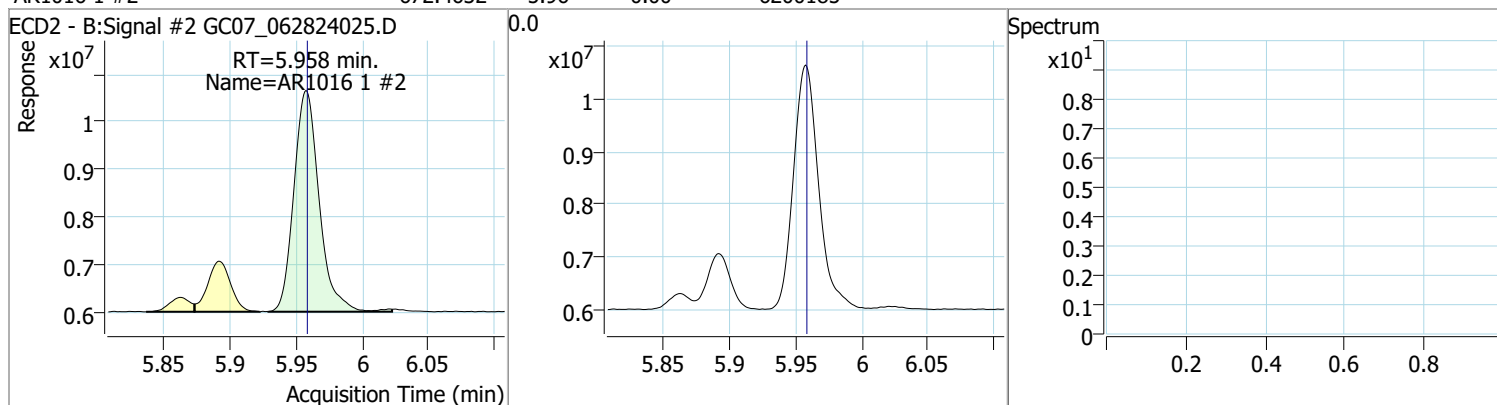


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	695.7301	5.86	0.00	39821971				

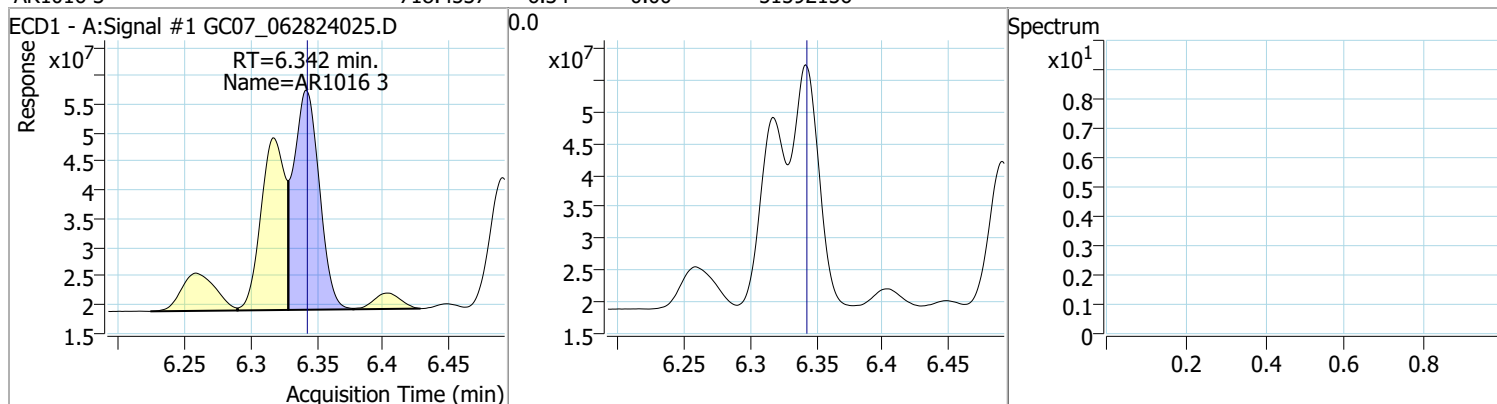


Quantitation Results Report (Not Reviewed)

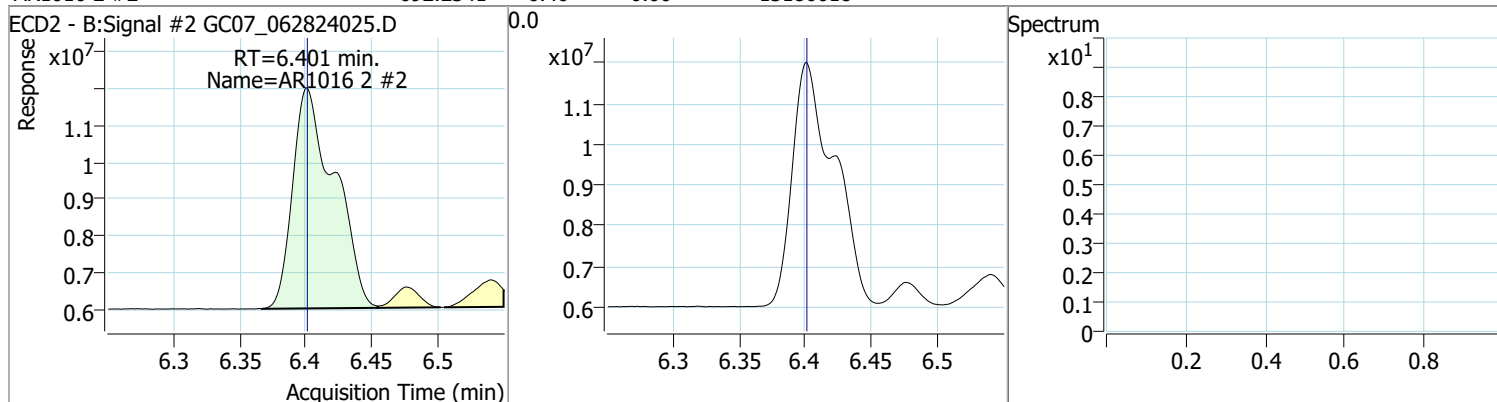
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	672.4632	5.96	0.00	6200185				



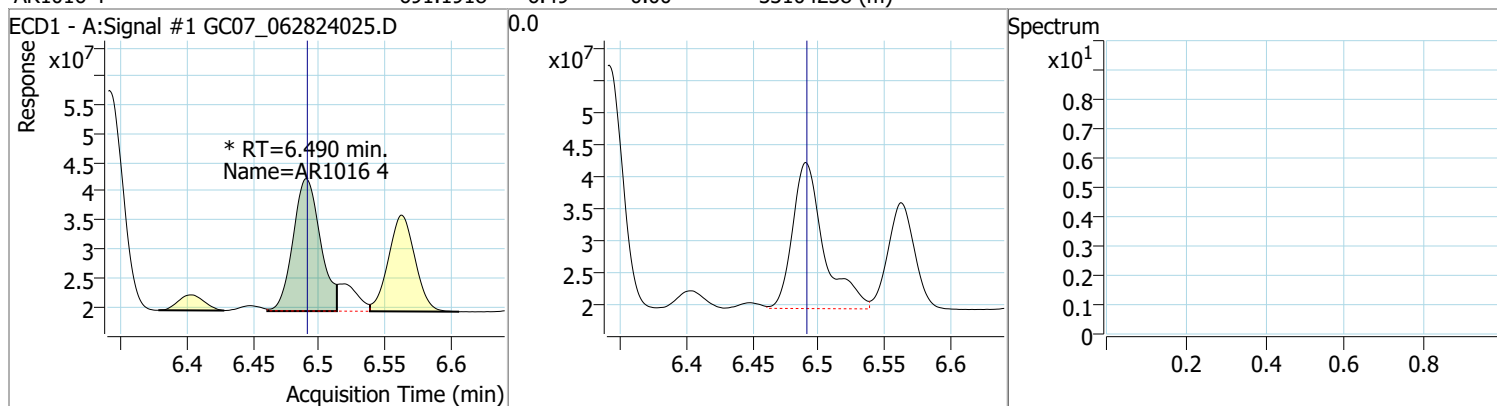
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	718.4537	6.34	0.00	51592156				



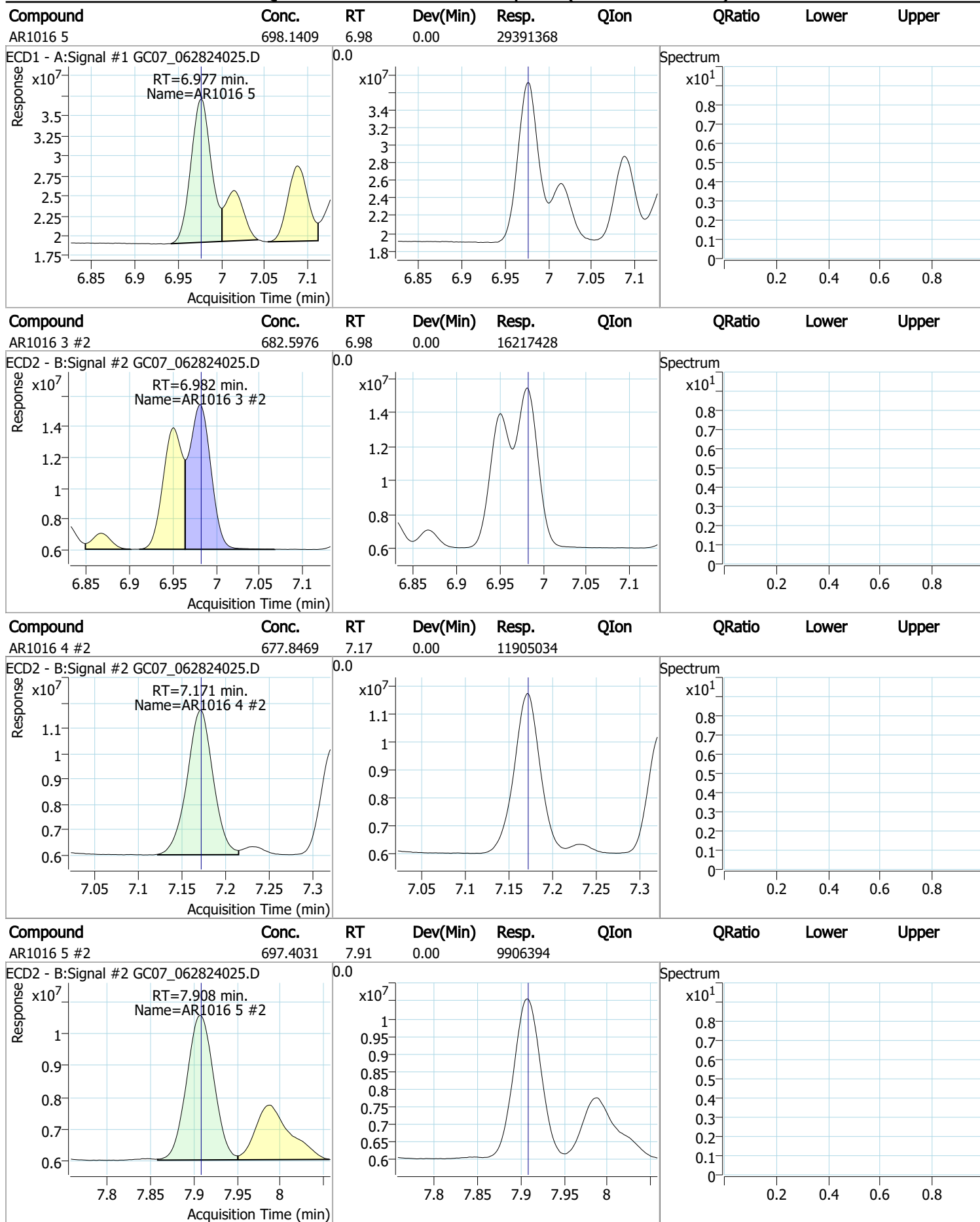
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	692.2341	6.40	0.00	13186618				



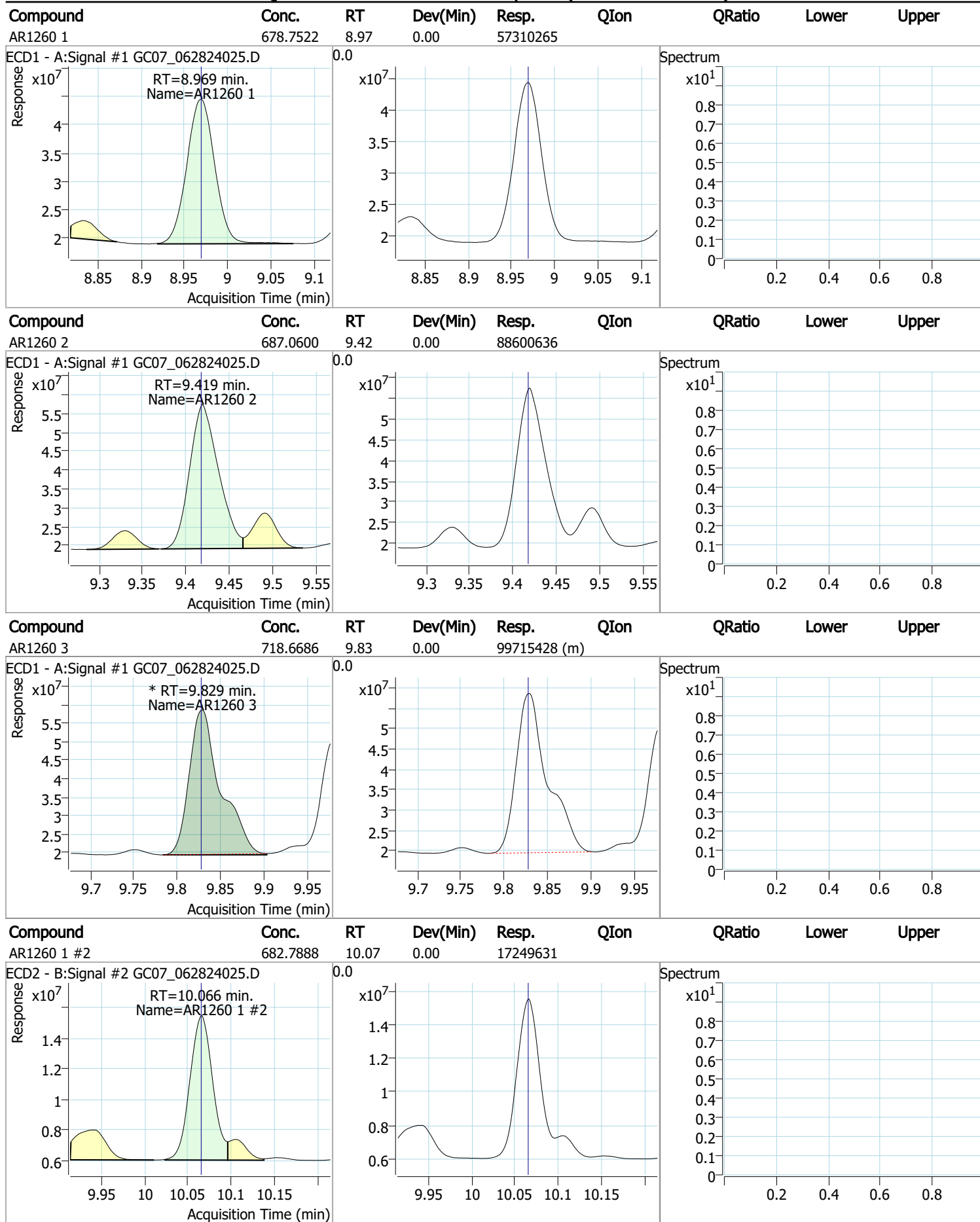
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	691.1918	6.49	0.00	33104238 (m)				



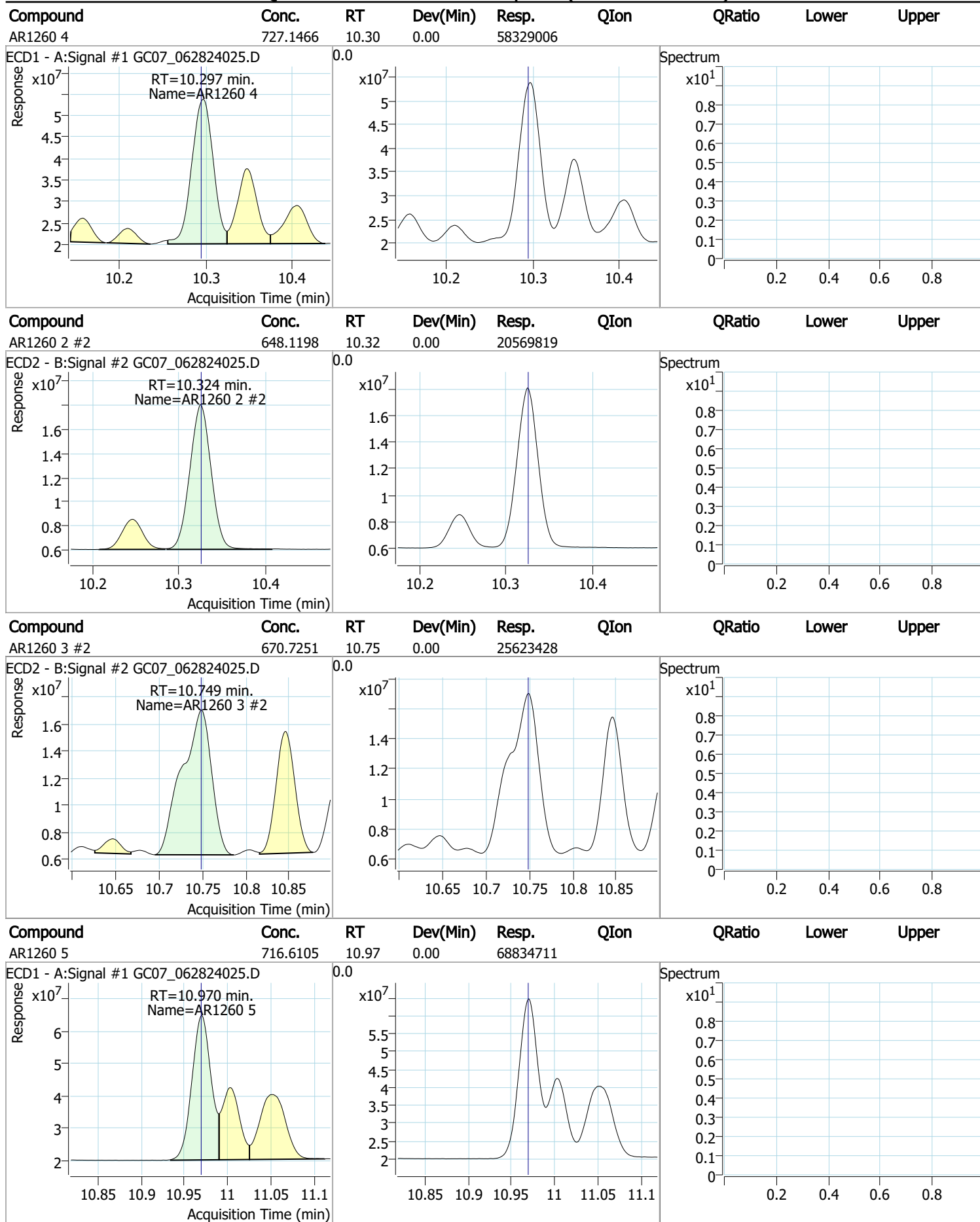
Quantitation Results Report (Not Reviewed)



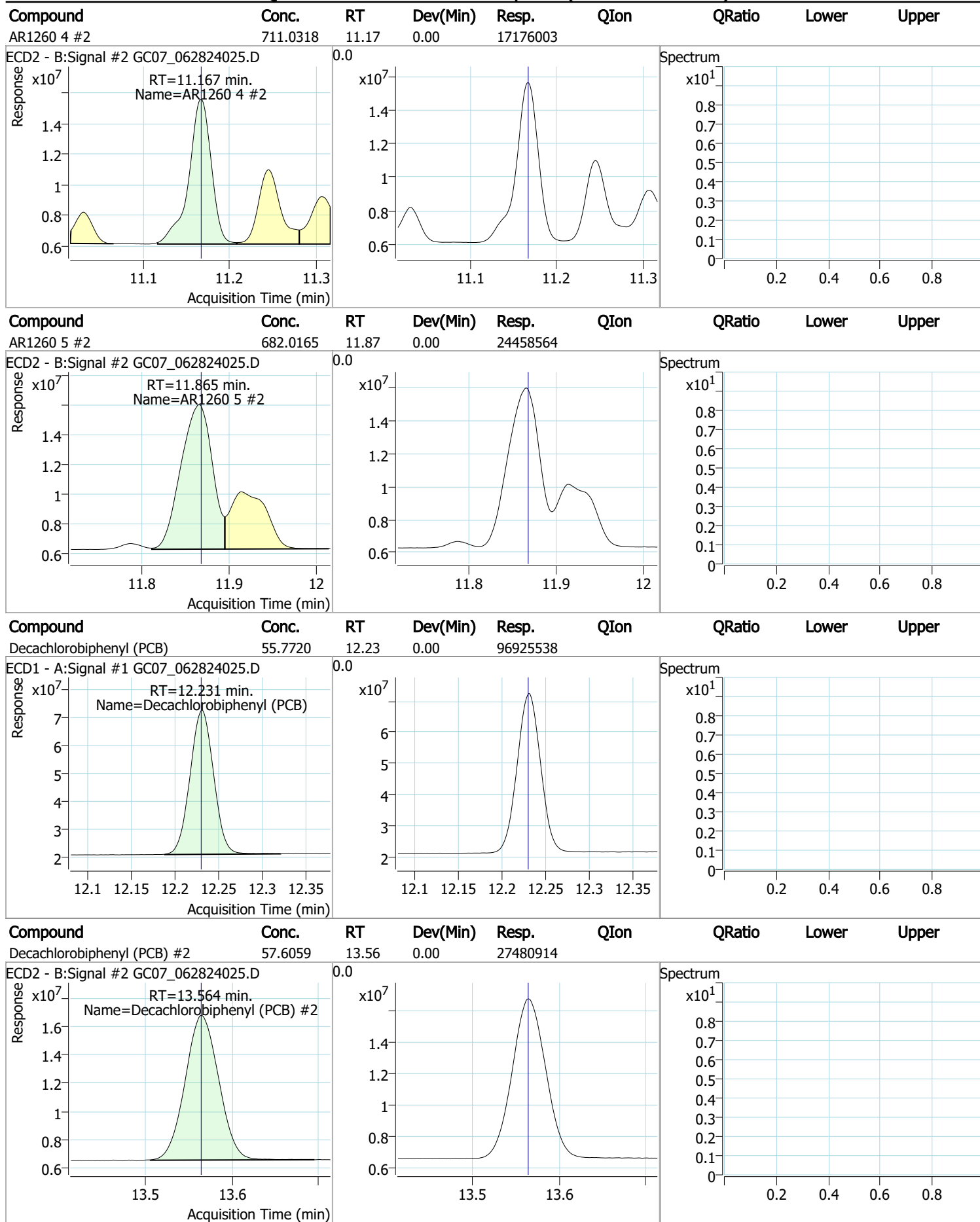
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

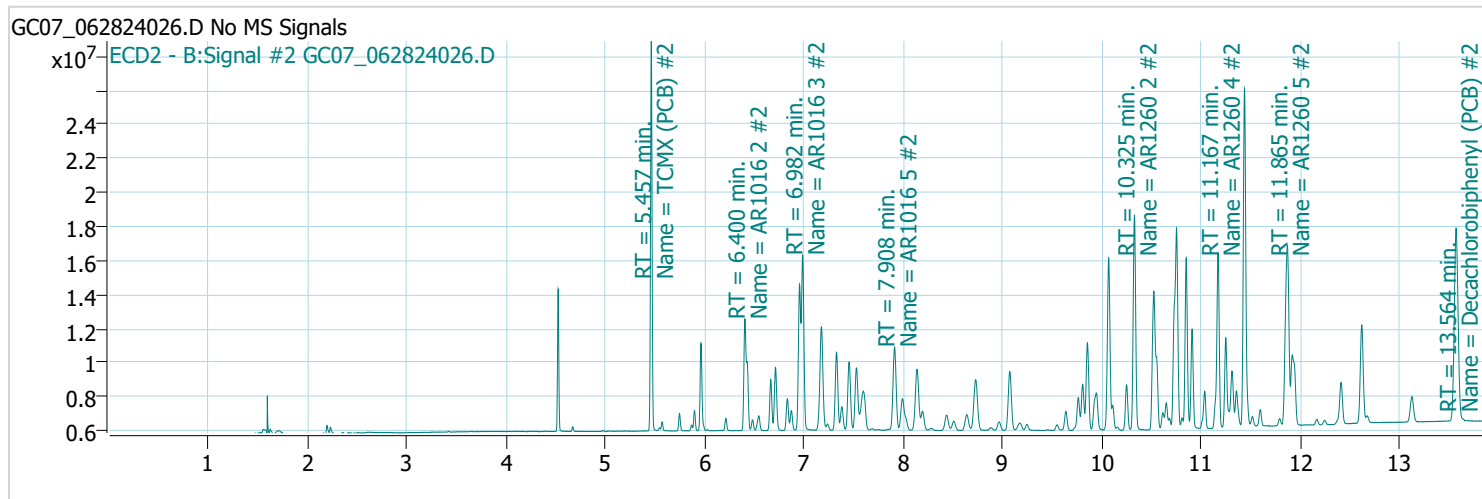
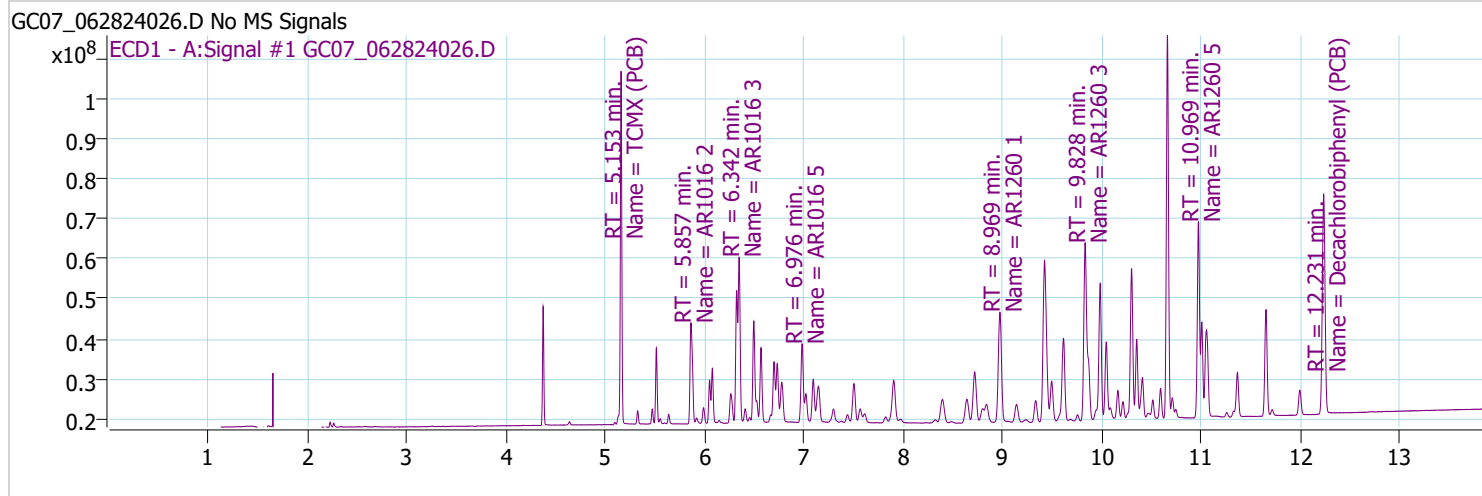


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:48:13 PM
Sample Name	ICAL, S20889	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	27017088.2 41	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7490916.32 4	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	90492602.6 17	71.5018	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 357.51%	*	
S TCMX (PCB) #2	5.457	0.0	25164397.5 60	70.0370	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.18%	*	
S Decachlorobiphenyl (PCB)	12.231	0.0	106879257. 653	71.7518	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 358.76%	*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	30482147.1 08	74.4867	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.43%	*	

Target Compounds

QValue

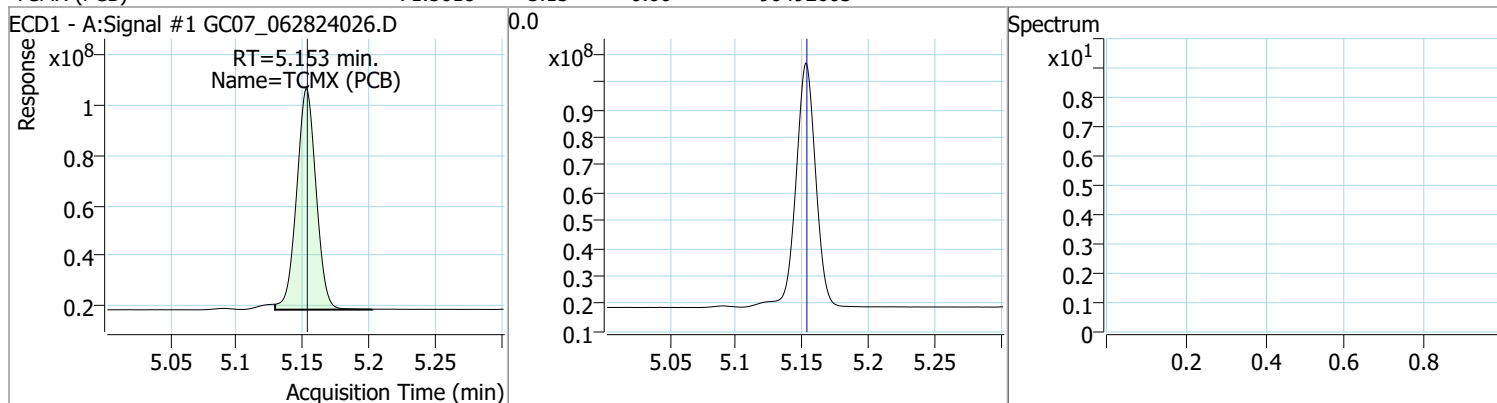
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	20817931.570	881.5366	ng/ml	100
T AR1016 2	5.857	0.0	44008986.093	897.0589	ng/ml	100
T AR1016 1 #2	5.958	0.0	6783093.230	857.6084	ng/ml	100
T AR1016 3	6.342	0.0	58055063.441	943.2282	ng/ml	100
T AR1016 2 #2	6.400	0.0	14433160.359	883.2391	ng/ml	100
T AR1016 4	6.490	0.0	36860975.814	897.9318	ng/ml m	100
T AR1016 5	6.976	0.0	32670578.049	905.4024	ng/ml	100
T AR1016 3 #2	6.982	0.0	17619837.490	864.5339	ng/ml	100
T AR1016 4 #2	7.171	0.0	13022775.878	864.3743	ng/ml	100
T AR1016 5 #2	7.908	0.0	10783865.235	884.9935	ng/ml	100
T AR1260 1	8.969	0.0	62257475.280	860.2643	ng/ml	100
T AR1260 2	9.419	0.0	96574670.327	873.7408	ng/ml	100
T AR1260 3	9.828	0.0	107868556.250	907.0323	ng/ml m	100
T AR1260 1 #2	10.064	0.0	18562011.107	856.5031	ng/ml	100
T AR1260 4	10.295	0.0	63669929.407	926.0476	ng/ml	100
T AR1260 2 #2	10.325	0.0	22137646.949	813.1181	ng/ml	100
T AR1260 3 #2	10.748	0.0	27748156.389	846.7180	ng/ml	100
T AR1260 5	10.969	0.0	76175016.781	925.2302	ng/ml	100
T AR1260 4 #2	11.167	0.0	18498356.429	892.6833	ng/ml	100
T AR1260 5 #2	11.865	0.0	26651576.006	866.3316	ng/ml	100

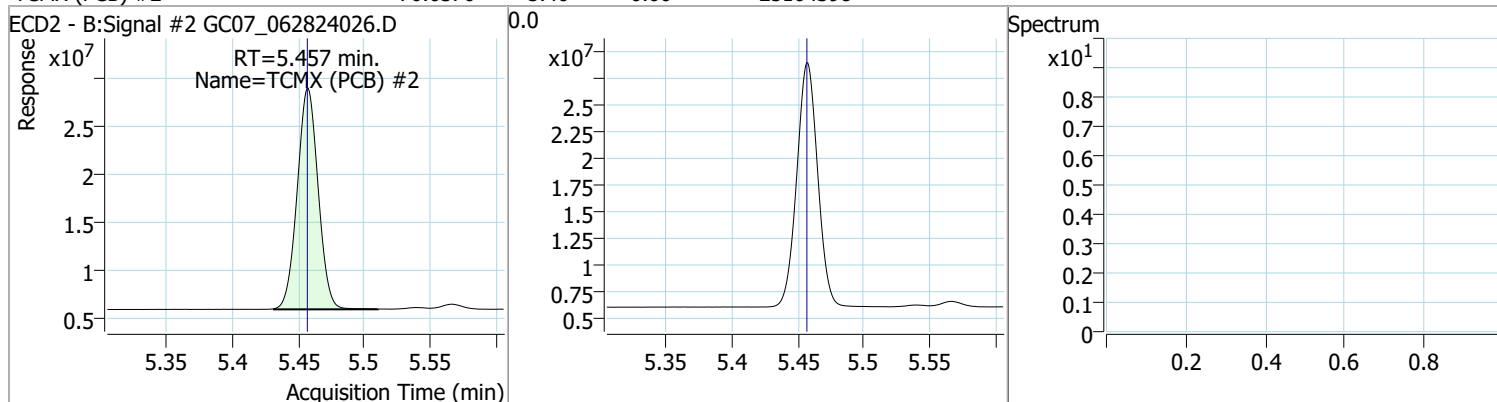
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

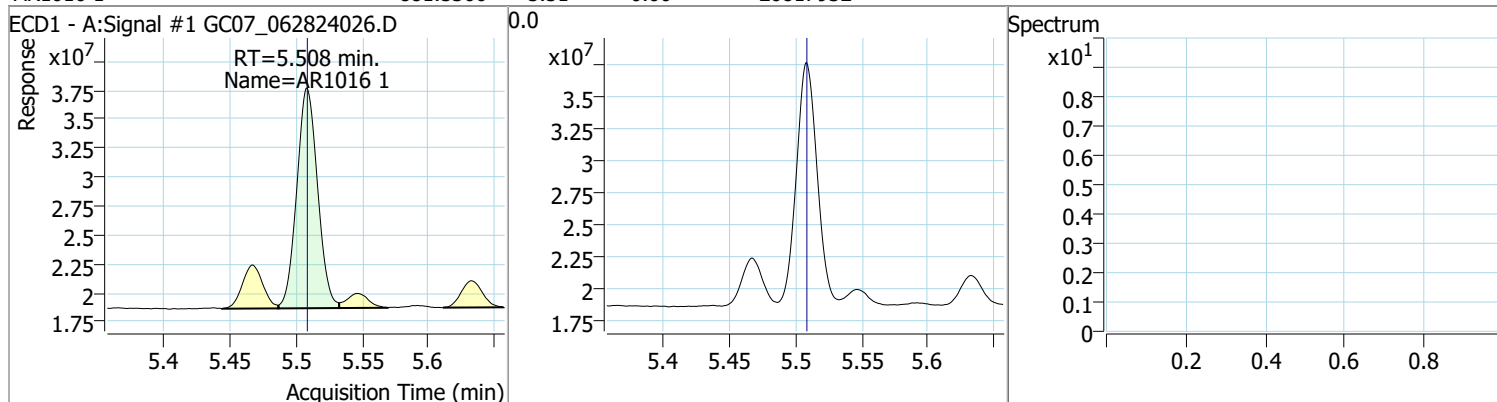
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	71.5018	5.15	0.00	90492603				



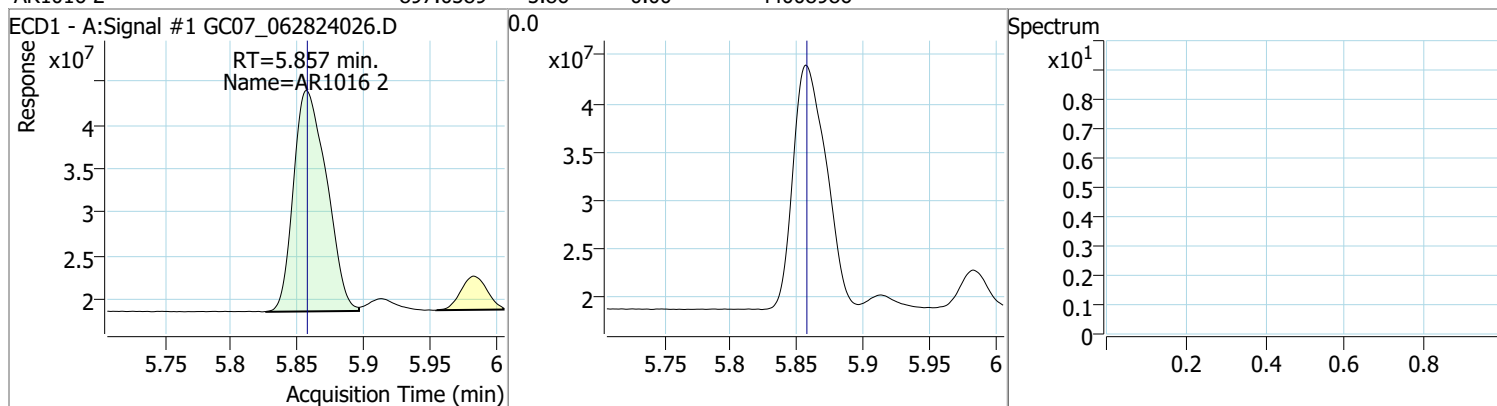
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	70.0370	5.46	0.00	25164398				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	881.5366	5.51	0.00	20817932				

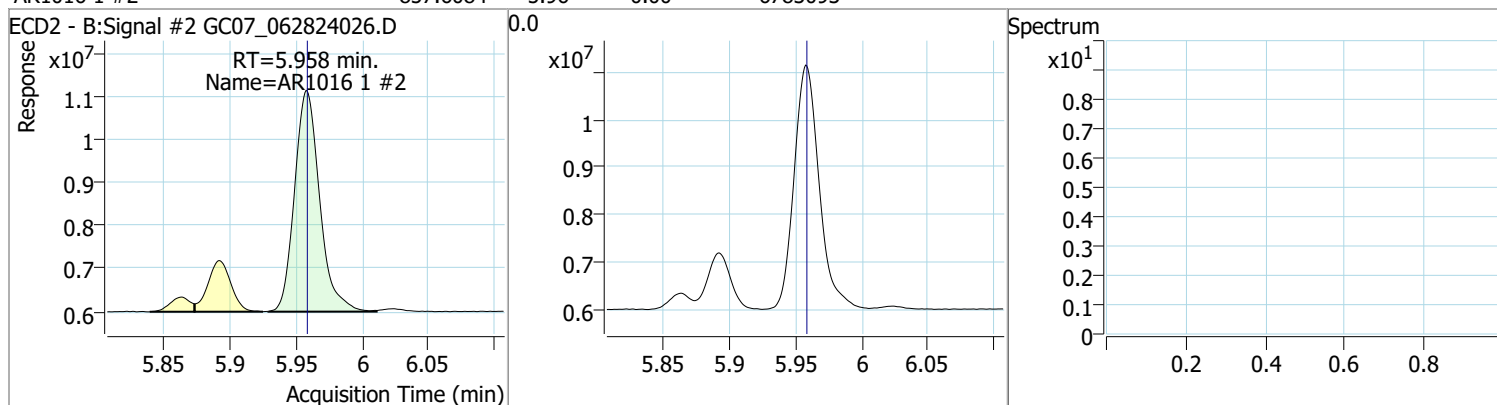


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	897.0589	5.86	0.00	44008986				

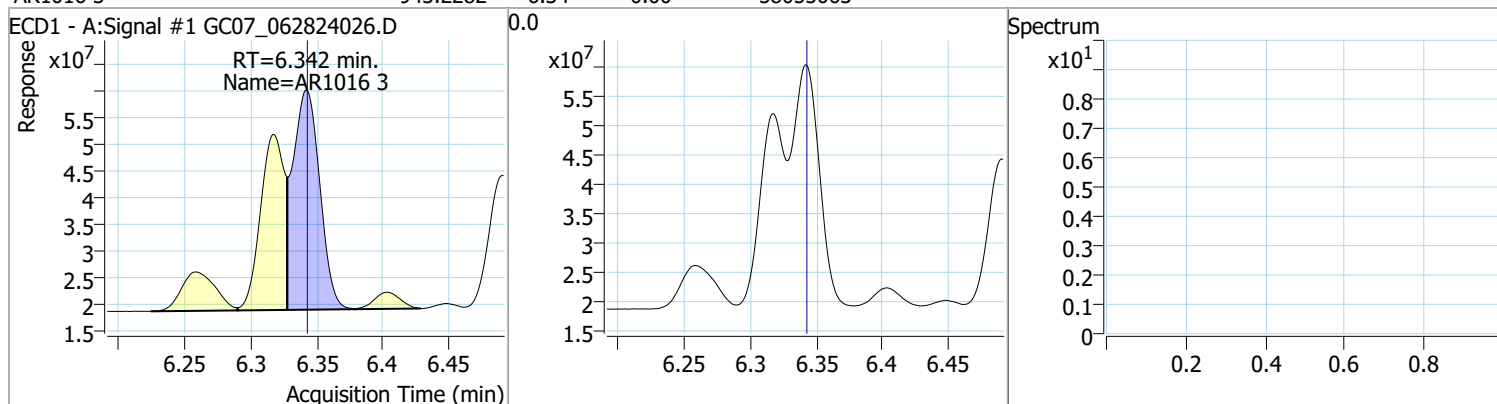


Quantitation Results Report (Not Reviewed)

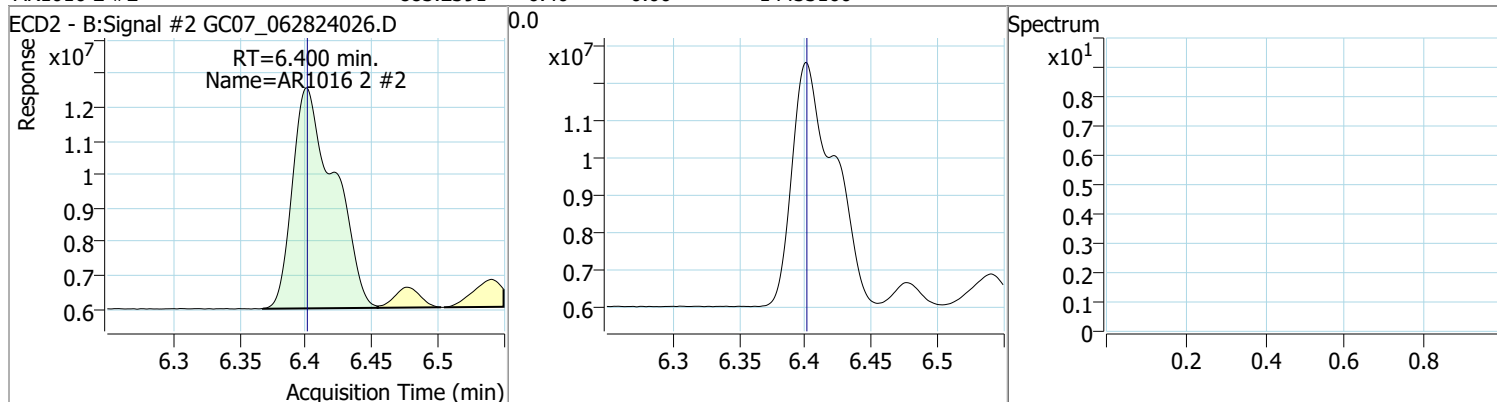
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	857.6084	5.96	0.00	6783093				



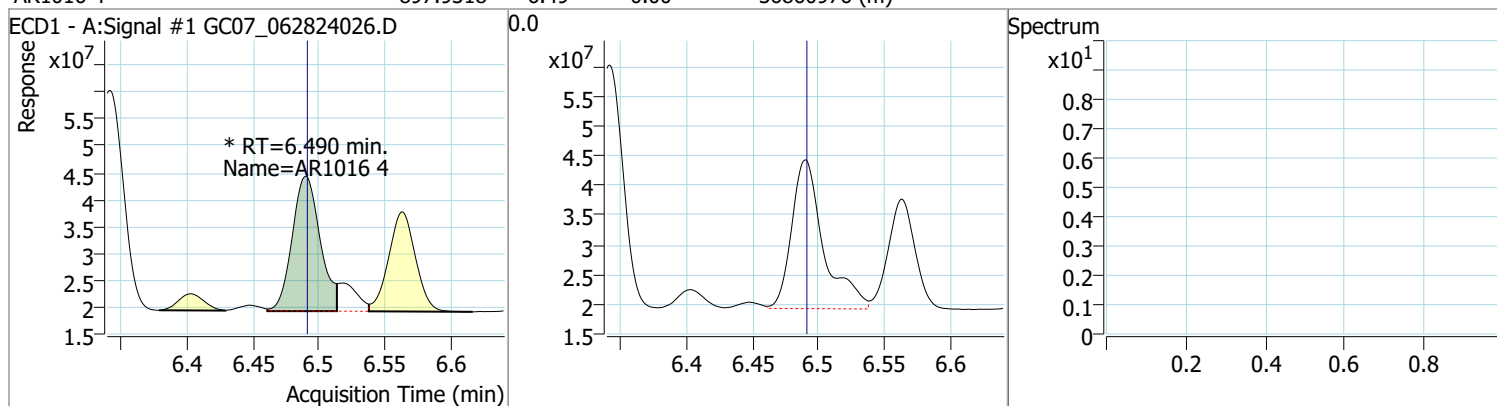
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	943.2282	6.34	0.00	58055063				



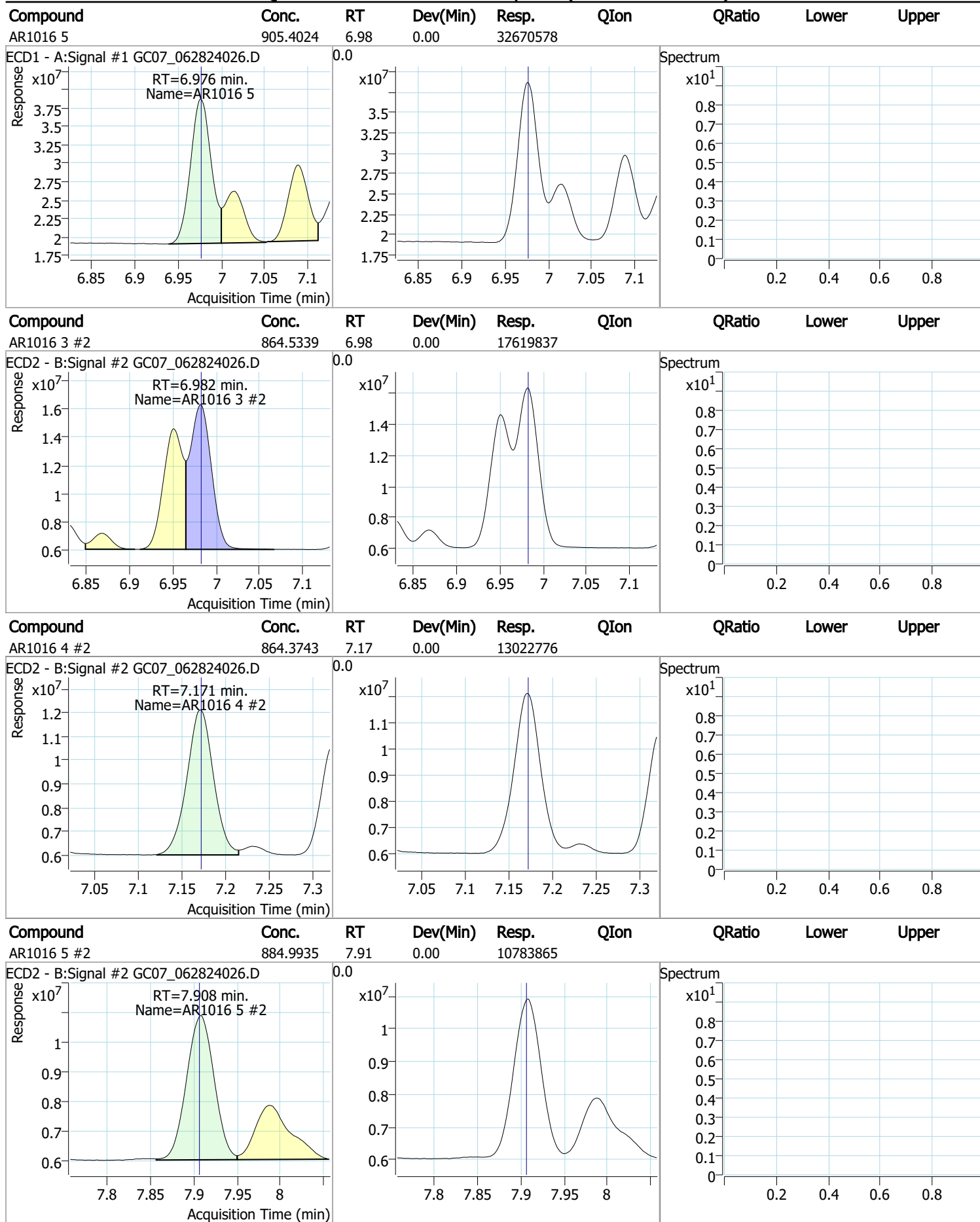
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	883.2391	6.40	0.00	14433160				



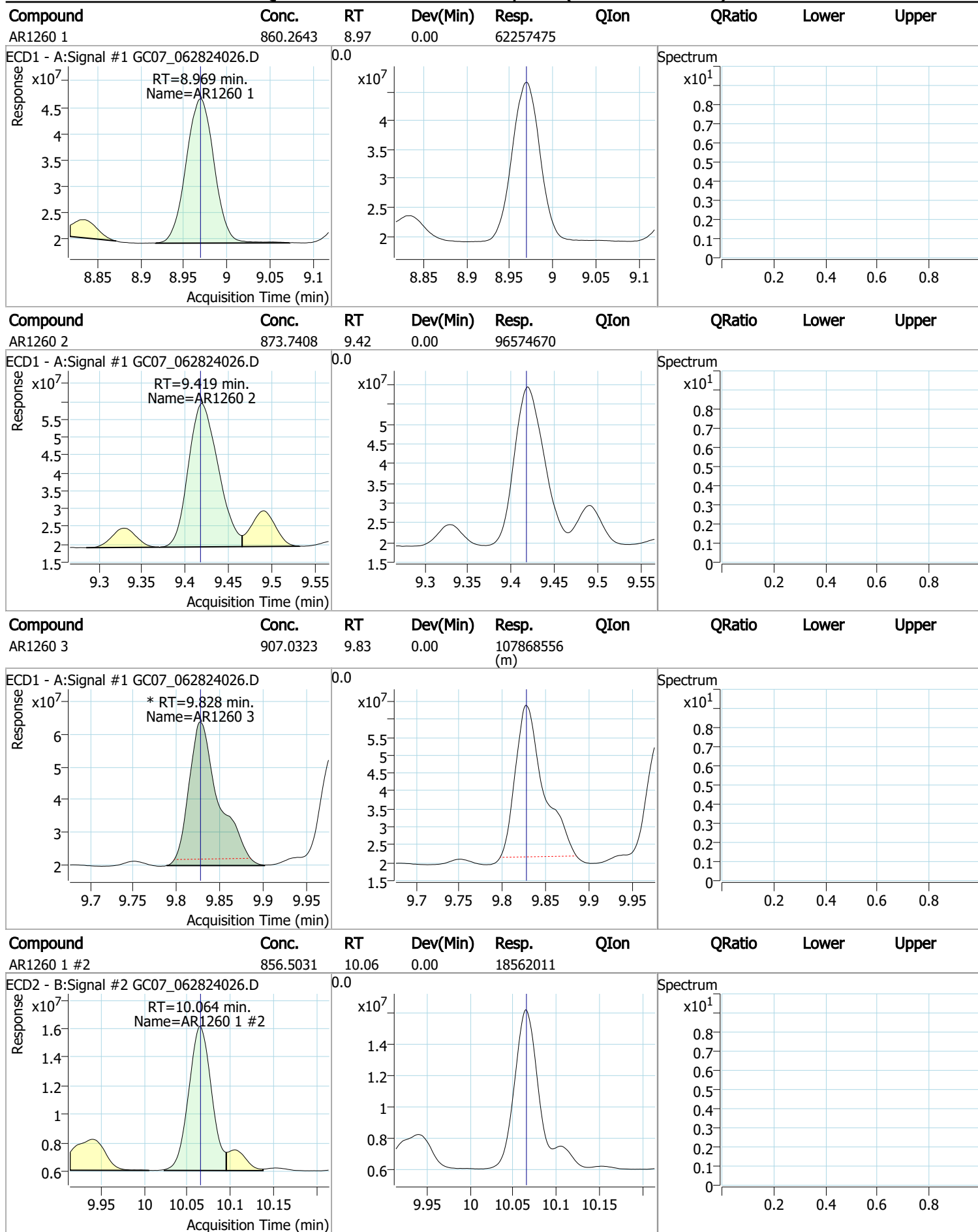
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	897.9318	6.49	0.00	36860976 (m)				



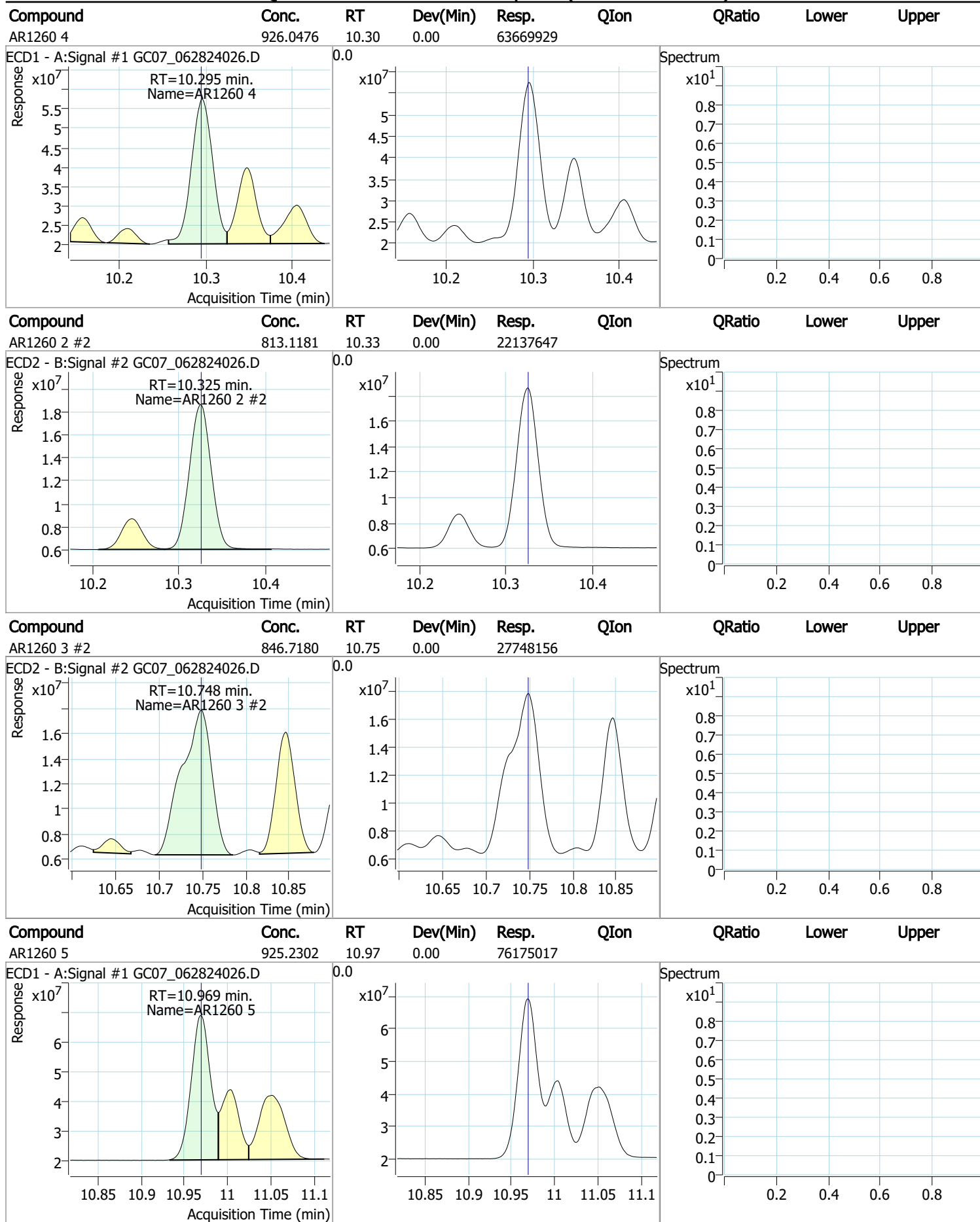
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



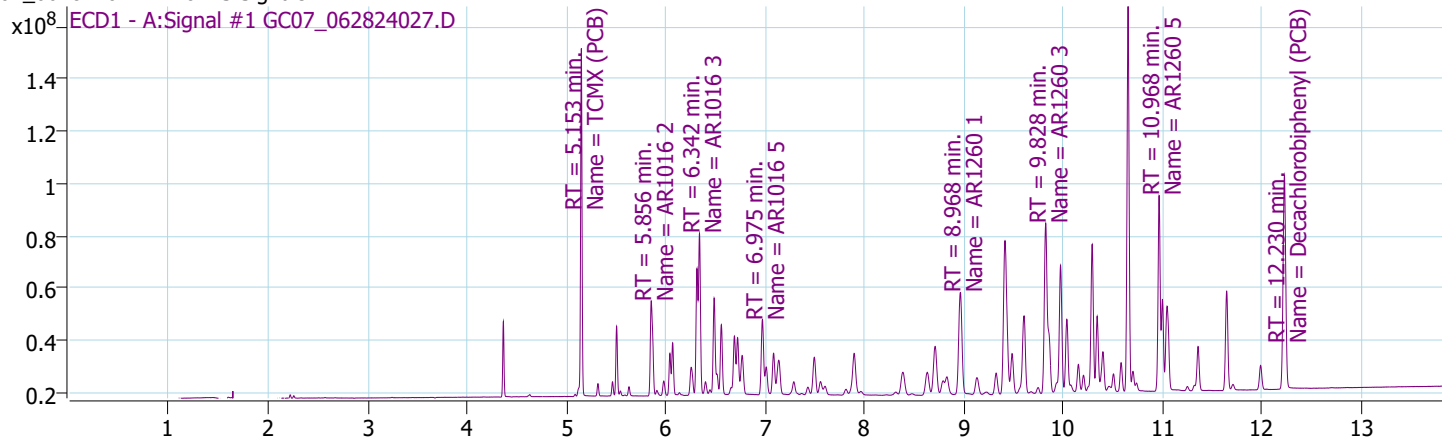
Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	892.6833	11.17	0.00	18498356				
ECD2 - B:Signal #2 GC07_062824026.D RT=11.167 min. Name=AR1260 4 #2 Spectrum								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	866.3316	11.87	0.00	26651576				
ECD2 - B:Signal #2 GC07_062824026.D RT=11.865 min. Name=AR1260 5 #2 Spectrum								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.7518	12.23	0.00	106879258				
ECD1 - A:Signal #1 GC07_062824026.D RT=12.231 min. Name=Decachlorobiphenyl (PCB) Spectrum								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	74.4867	13.56	0.00	30482147				
ECD2 - B:Signal #2 GC07_062824026.D RT=13.564 min. Name=Decachlorobiphenyl (PCB) #2 Spectrum								

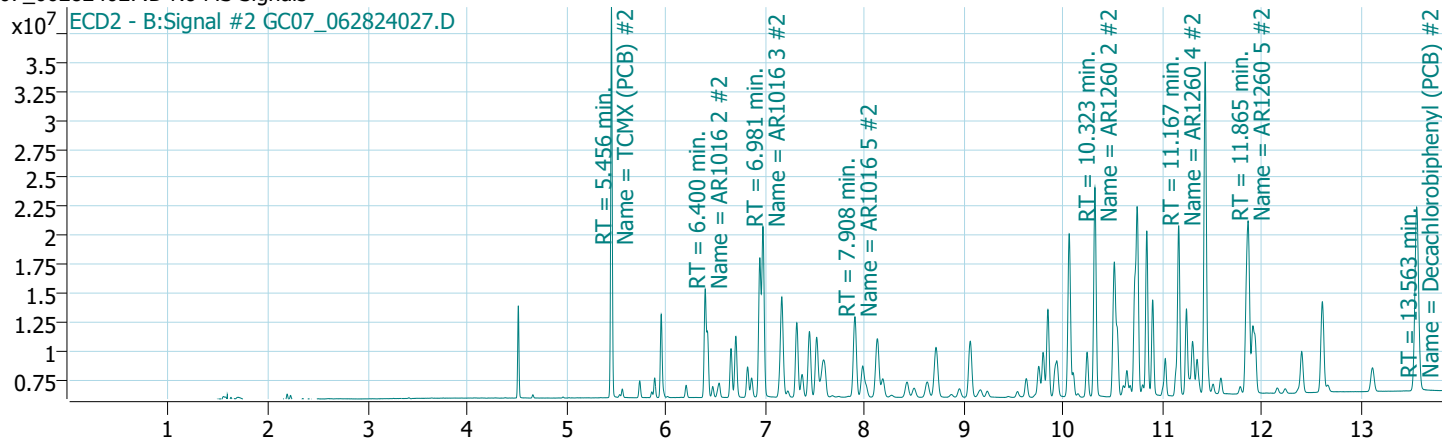
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:05:33 PM
Sample Name	ICAL, S20890	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824027.D No MS Signals



GC07_062824027.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	26211711.2 19	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7294805.70 1	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	135681797. 289	110.5015	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 552.51%	*	
S TCMX (PCB) #2	5.456	0.0	36723935.0 35	104.9569	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 524.78%	*	
S Decachlorobiphenyl (PCB)	12.230	0.0	155357729. 375	107.5017	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 537.51%	*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	42099380.5 79	105.6404	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.20%	*	

Target Compounds

QValue

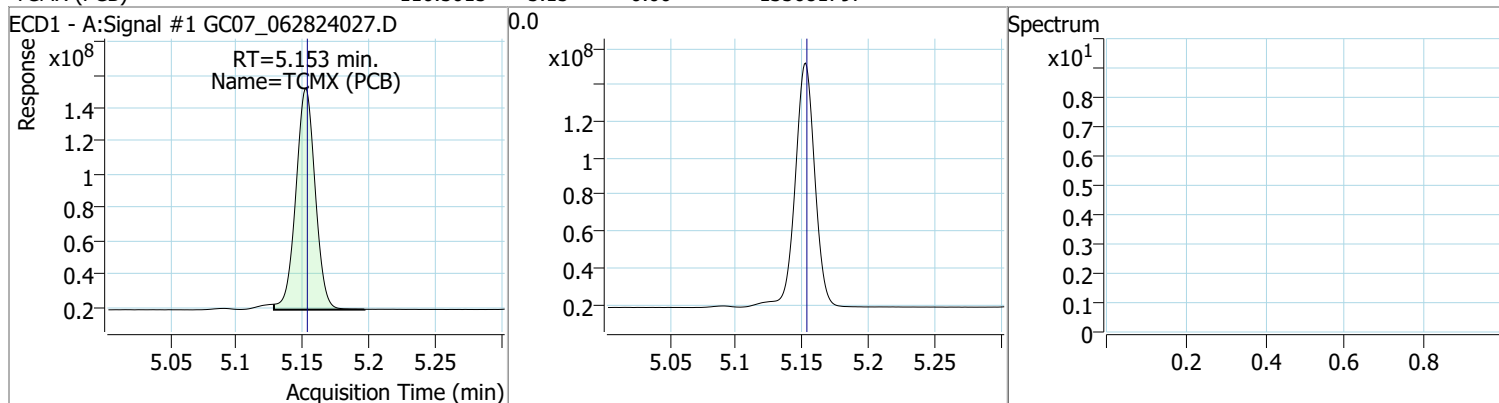
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	30104761.4 62	1313.9569	ng/ml	100
T AR1016 2	5.856	0.0	63081832.4 76	1325.3393	ng/ml	100
T AR1016 1 #2	5.957	0.0	9574280.61 7	1243.0500	ng/ml	100
T AR1016 3	6.342	0.0	85766826.8 01	1436.2802	ng/ml	100
T AR1016 2 #2	6.400	0.0	20333722.0 83	1277.7767	ng/ml	100
T AR1016 4	6.489	0.0	53404058.9 41	1340.8925	ng/ml m	100
T AR1016 5	6.975	0.0	47712618.7 99	1362.8914	ng/ml	100
T AR1016 3 #2	6.981	0.0	24950565.9 90	1257.1344	ng/ml	100
T AR1016 4 #2	7.171	0.0	18481664.7 33	1259.6810	ng/ml	100
T AR1016 5 #2	7.908	0.0	15343346.4 63	1293.0250	ng/ml	100
T AR1260 1	8.968	0.0	91727497.7 94	1306.4208	ng/ml	100
T AR1260 2	9.418	0.0	141892353. 087	1323.1879	ng/ml	100
T AR1260 3	9.828	0.0	160895089. 250	1394.4850	ng/ml m	100
T AR1260 1 #2	10.064	0.0	26442213.4 66	1252.9188	ng/ml	100
T AR1260 4	10.295	0.0	94070300.3 16	1410.2453	ng/ml	100
T AR1260 2 #2	10.323	0.0	31331561.1 57	1181.7495	ng/ml	100
T AR1260 3 #2	10.748	0.0	39486596.9 92	1237.3016	ng/ml	100
T AR1260 5	10.968	0.0	111423646. 768	1394.9472	ng/ml	100
T AR1260 4 #2	11.167	0.0	25930171.0 03	1284.9637	ng/ml	100
T AR1260 5 #2	11.865	0.0	37619666.2 49	1255.7334	ng/ml	100

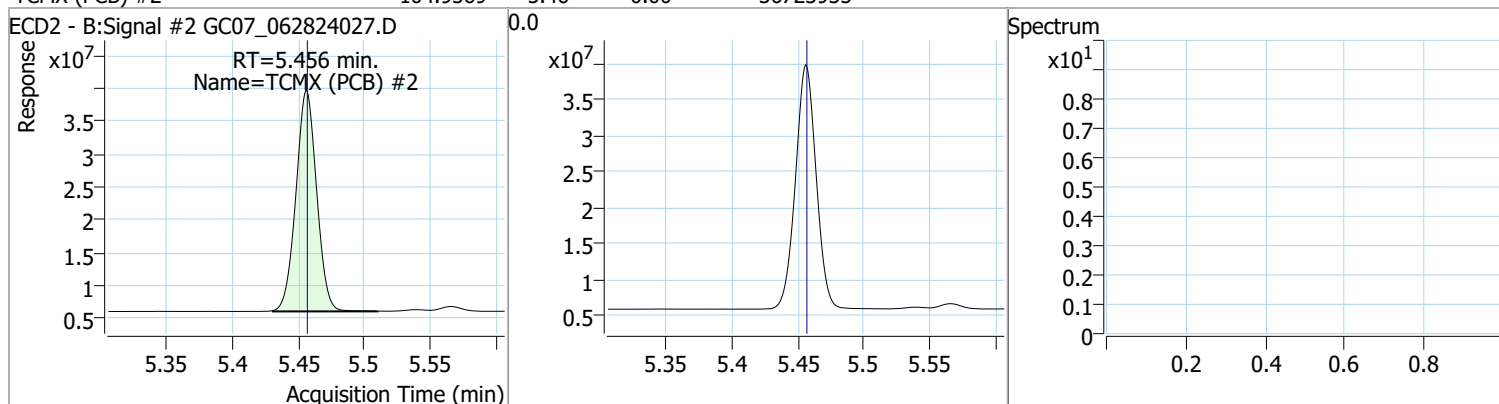
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

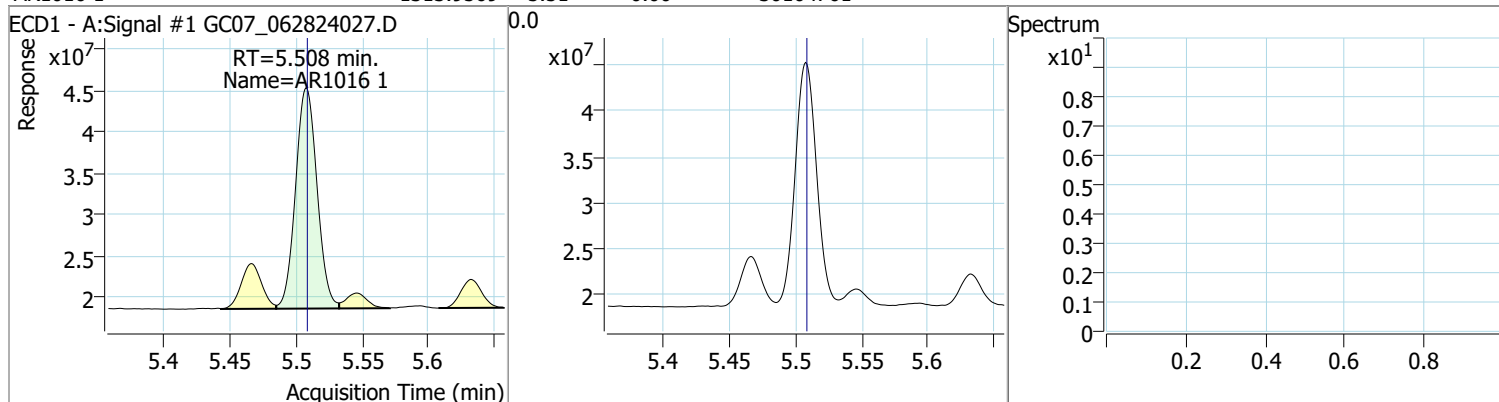
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	110.5015	5.15	0.00	135681797				



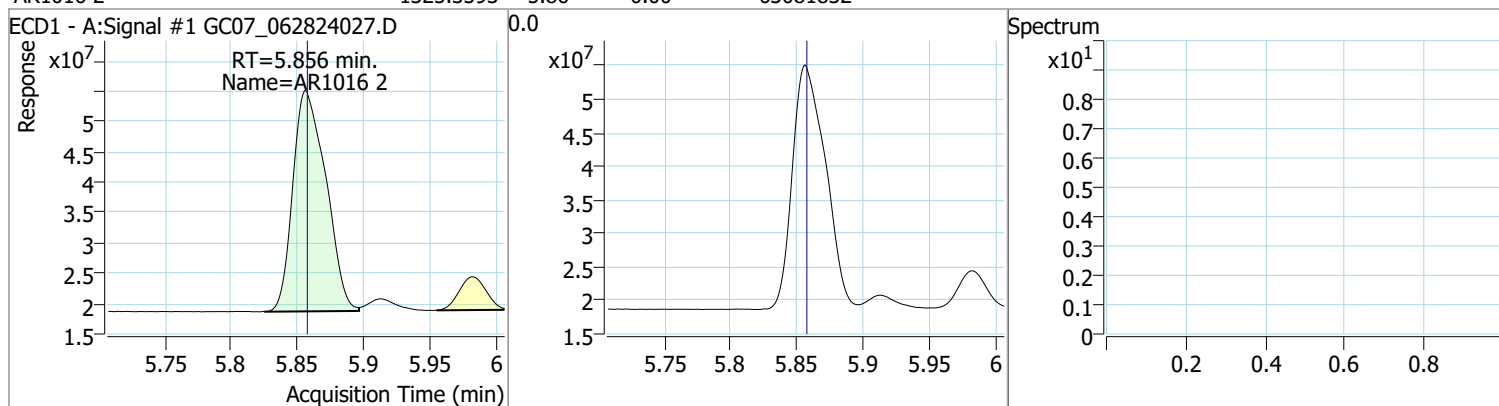
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	104.9569	5.46	0.00	36723935				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1313.9569	5.51	0.00	30104761				

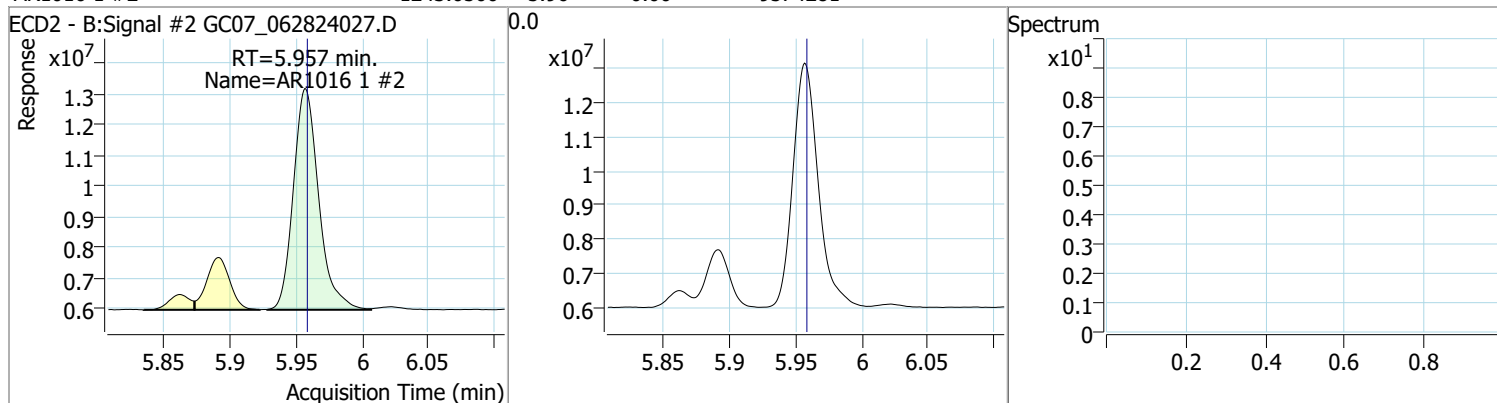


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1325.3393	5.86	0.00	63081832				

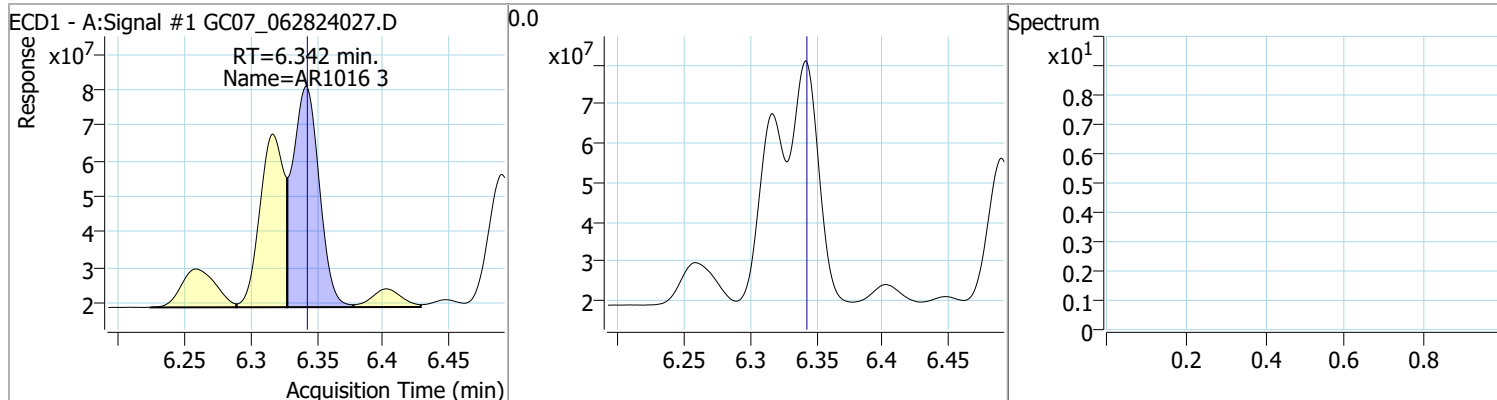


Quantitation Results Report (Not Reviewed)

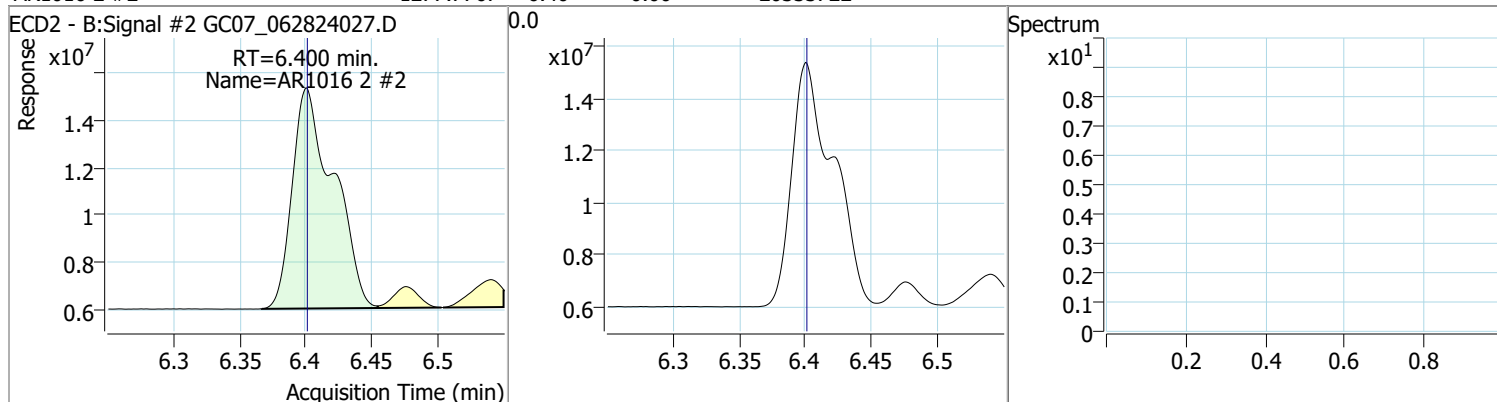
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1243.0500	5.96	0.00	9574281				



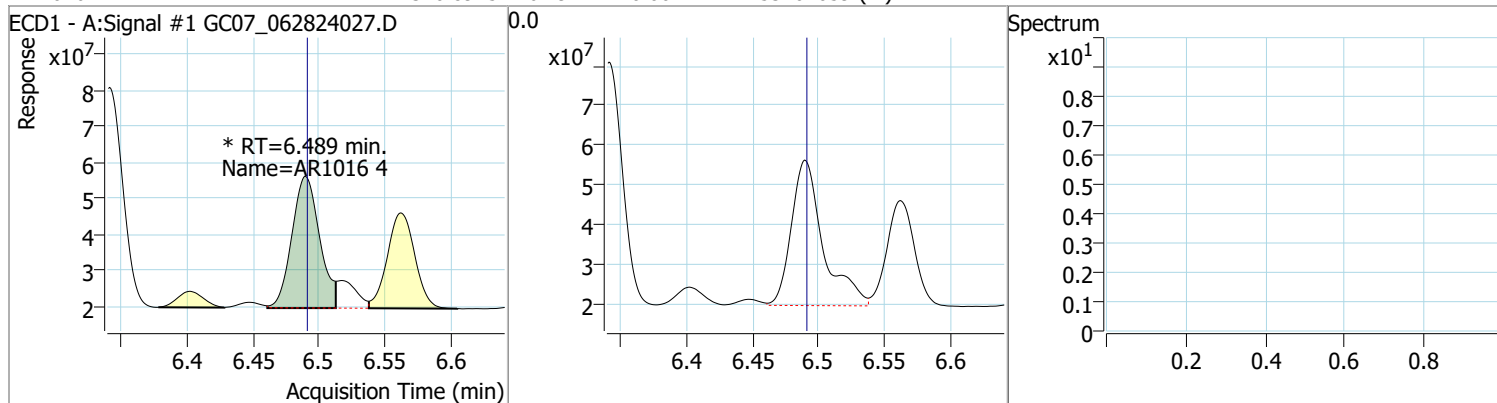
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1436.2802	6.34	0.00	85766827				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1277.7767	6.40	0.00	20333722				

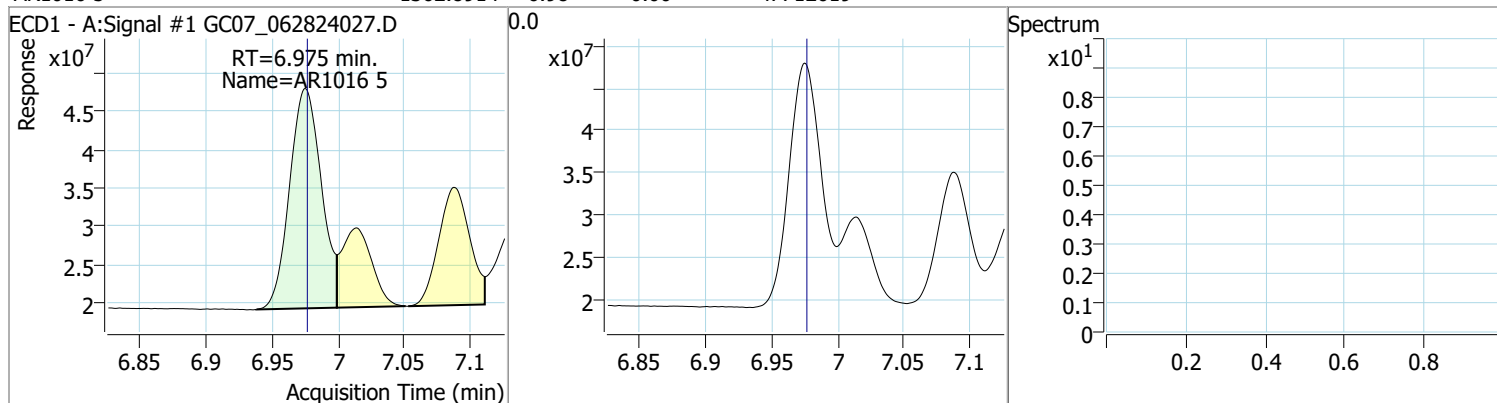


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1340.8925	6.49	0.00	53404059 (m)				

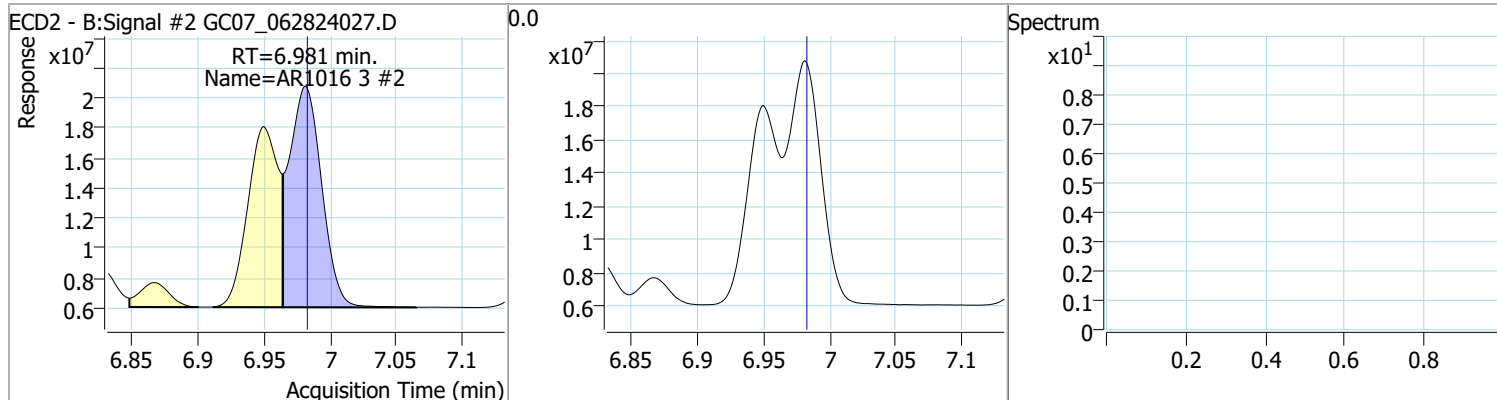


Quantitation Results Report (Not Reviewed)

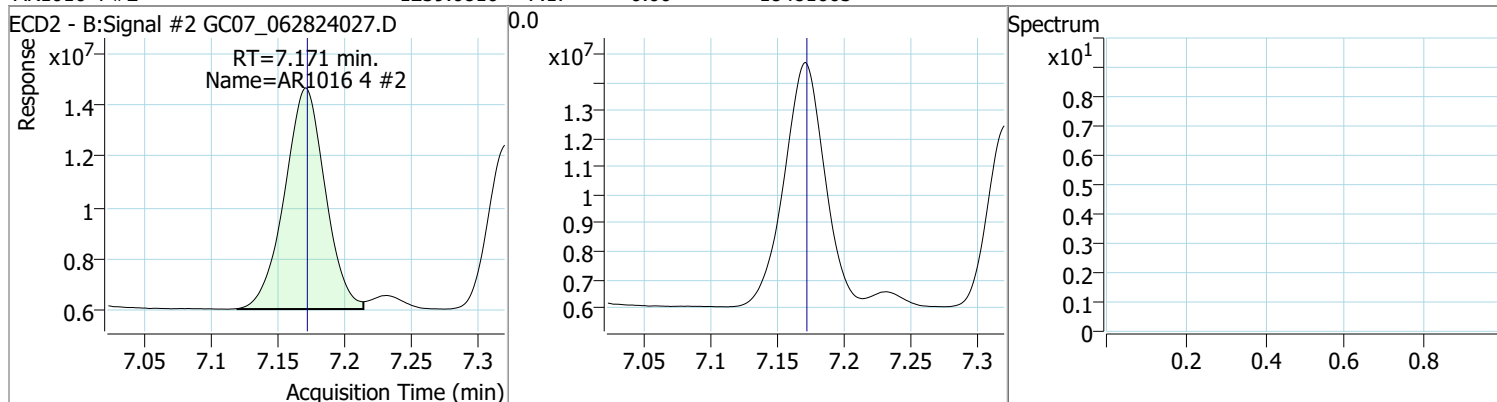
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1362.8914	6.98	0.00	47712619				



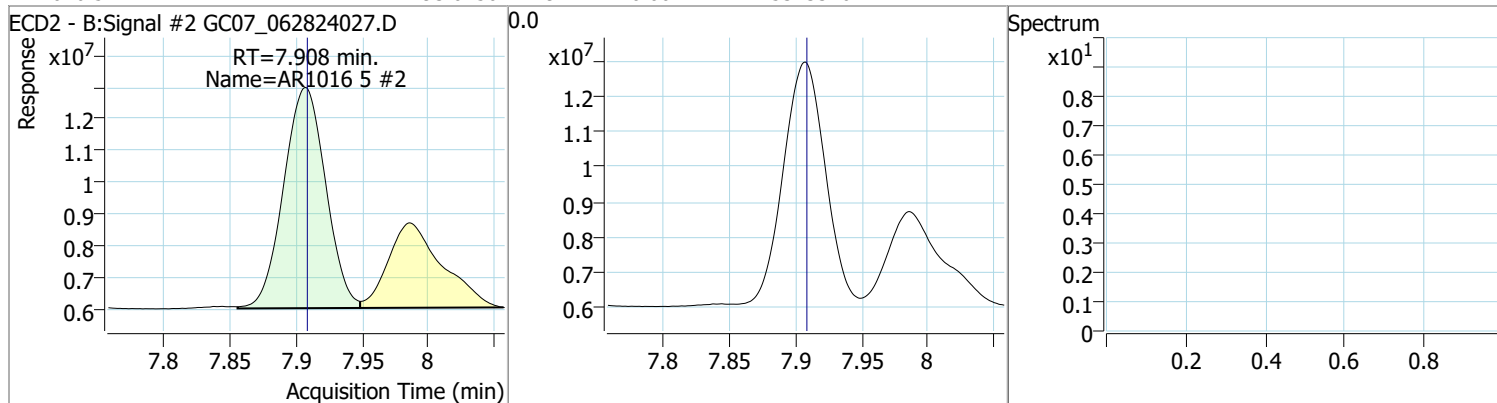
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1257.1344	6.98	0.00	24950566				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1259.6810	7.17	0.00	18481665				

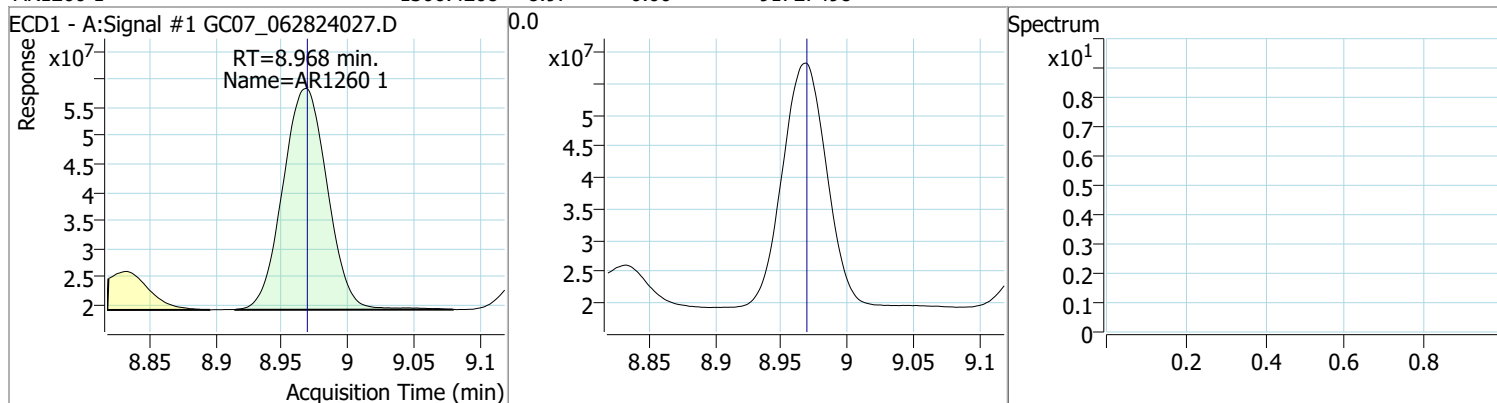


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1293.0250	7.91	0.00	15343346				

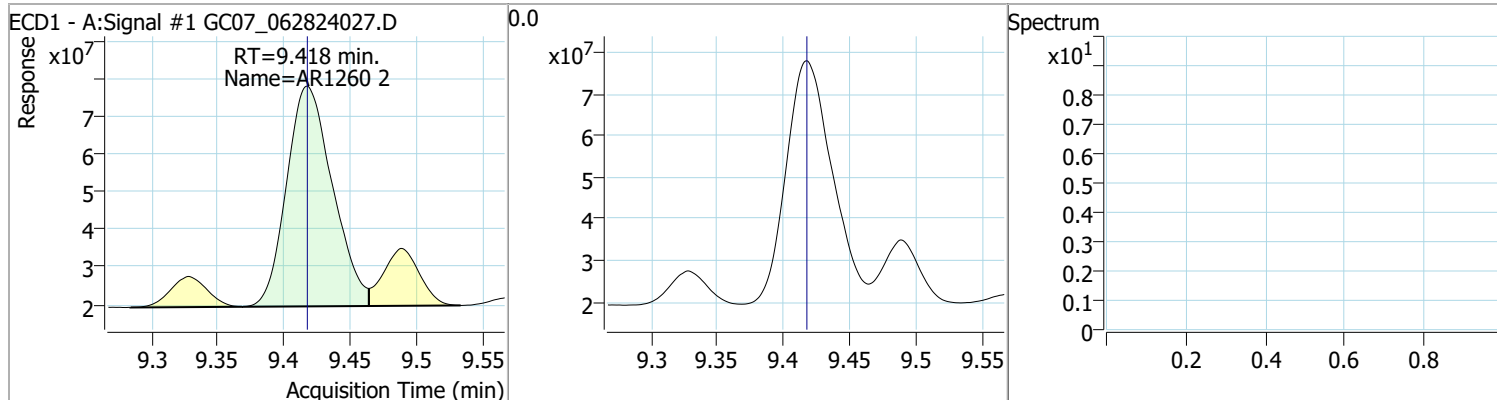


Quantitation Results Report (Not Reviewed)

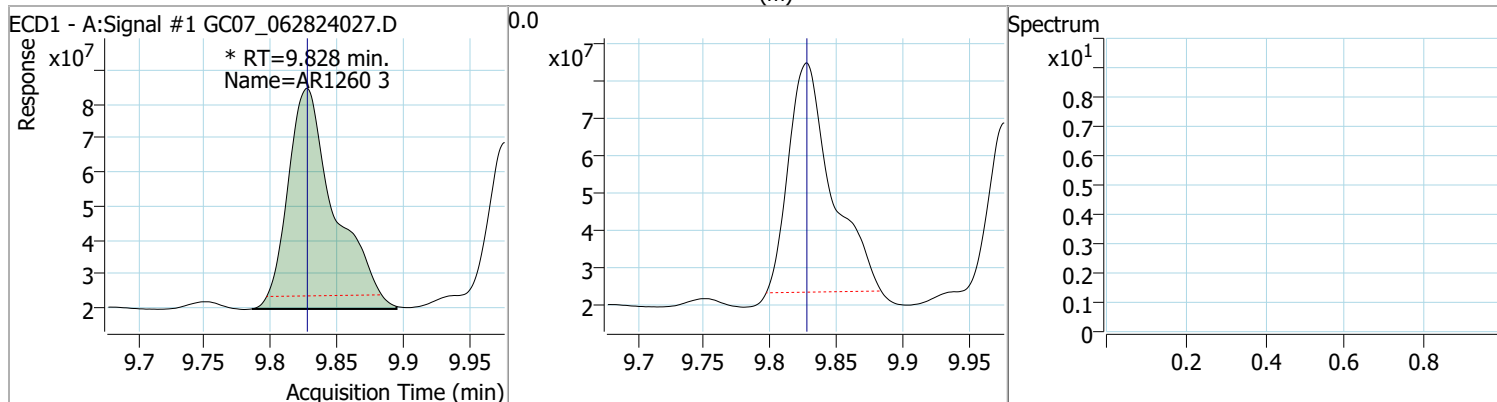
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1306.4208	8.97	0.00	91727498				



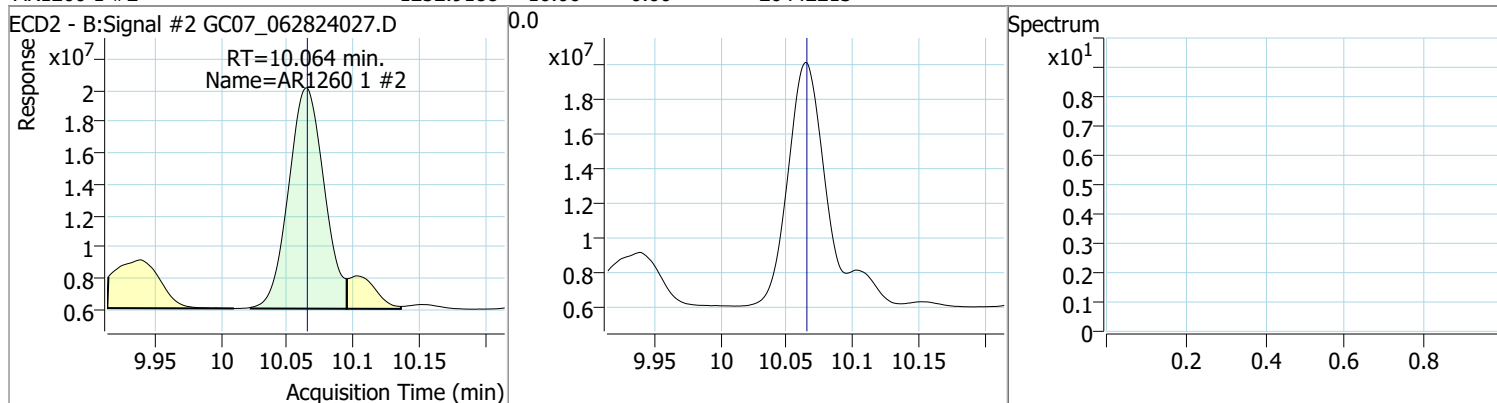
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1323.1879	9.42	0.00	141892353				



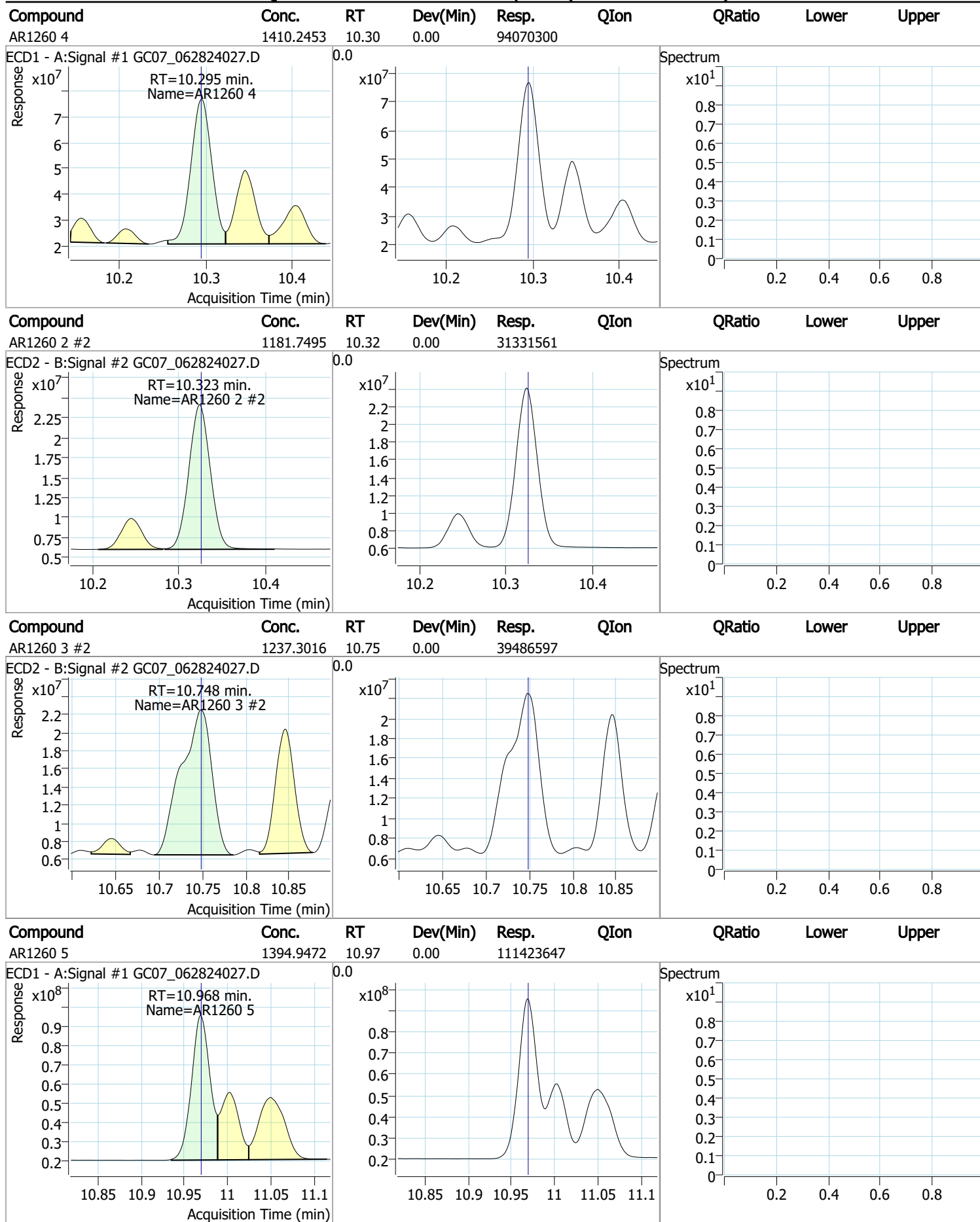
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1394.4850	9.83	0.00	160895089 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1252.9188	10.06	0.00	26442213				

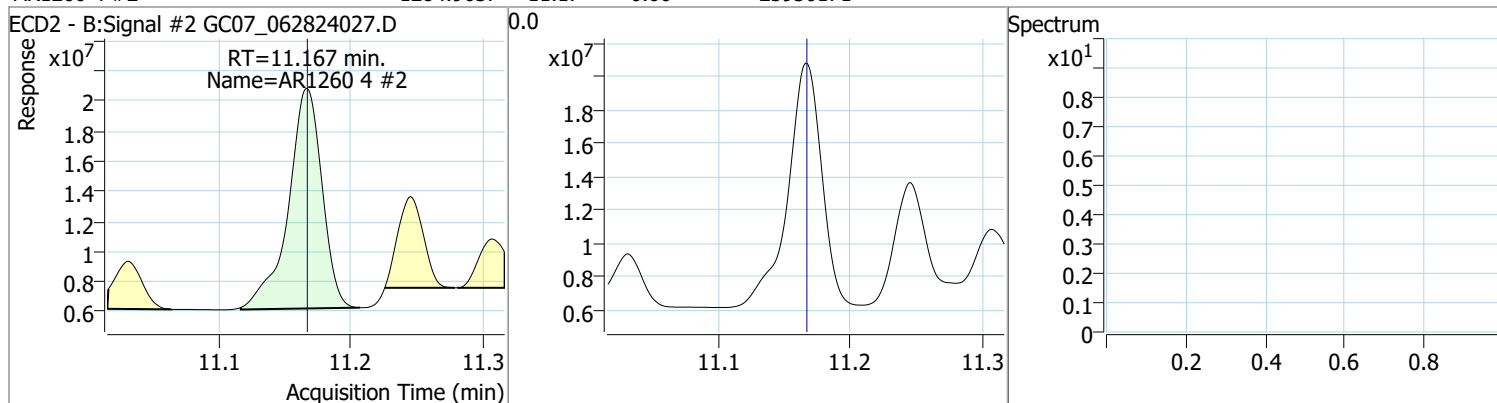


Quantitation Results Report (Not Reviewed)

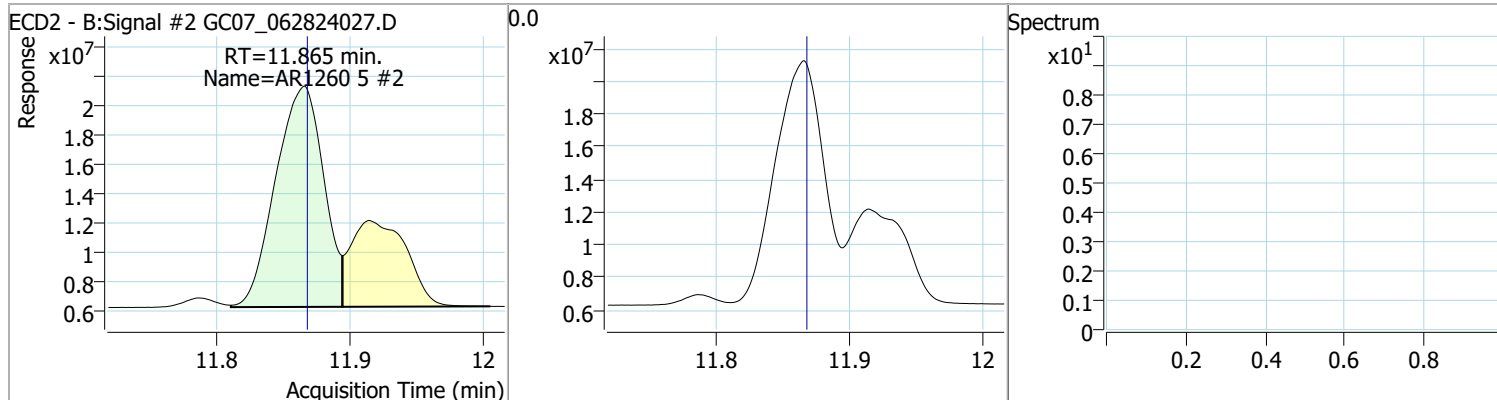


Quantitation Results Report (Not Reviewed)

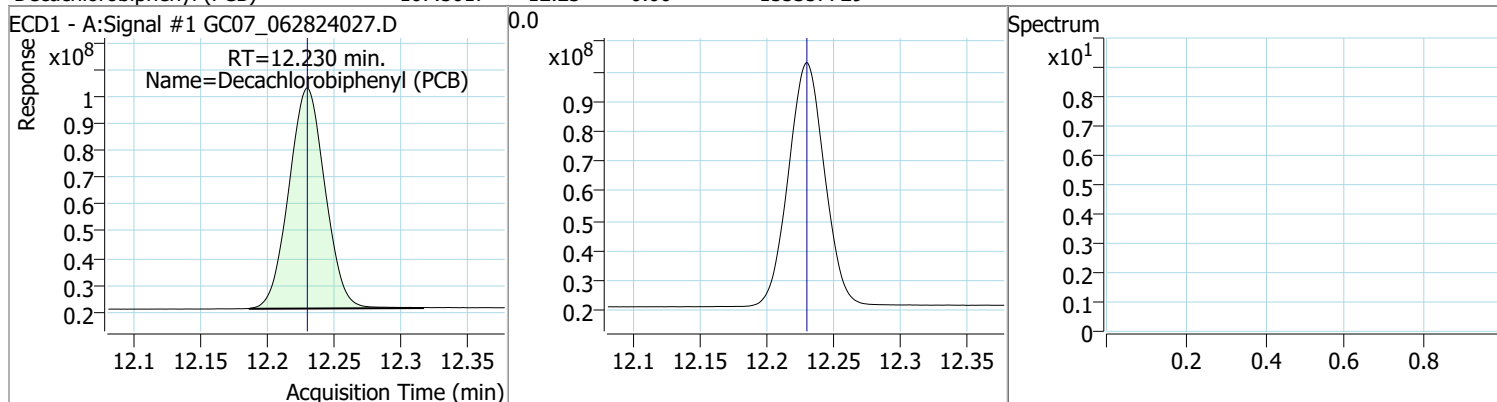
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1284.9637	11.17	0.00	25930171				



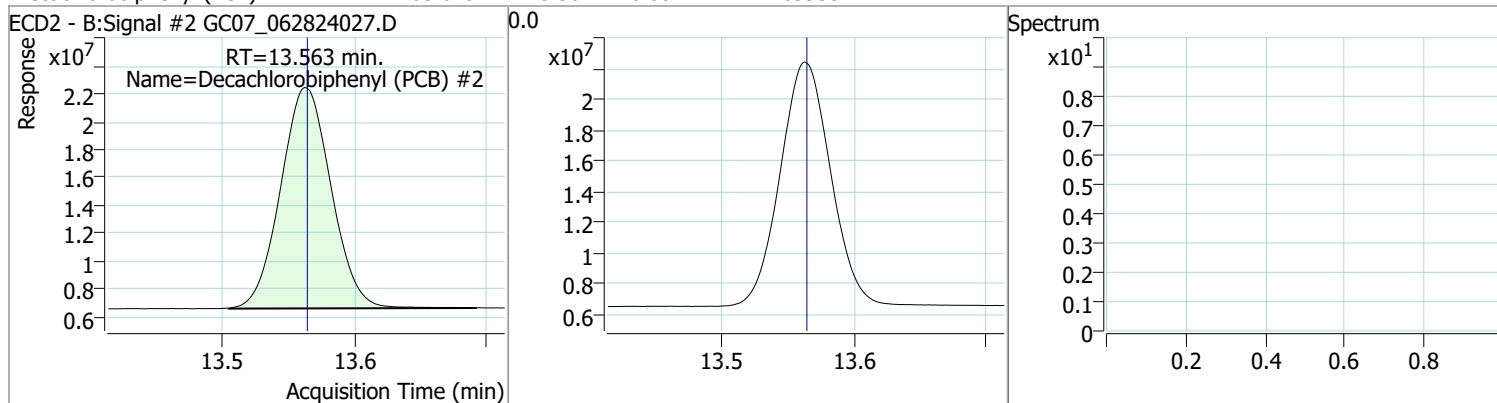
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1255.7334	11.87	0.00	37619666				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	107.5017	12.23	0.00	155357729				



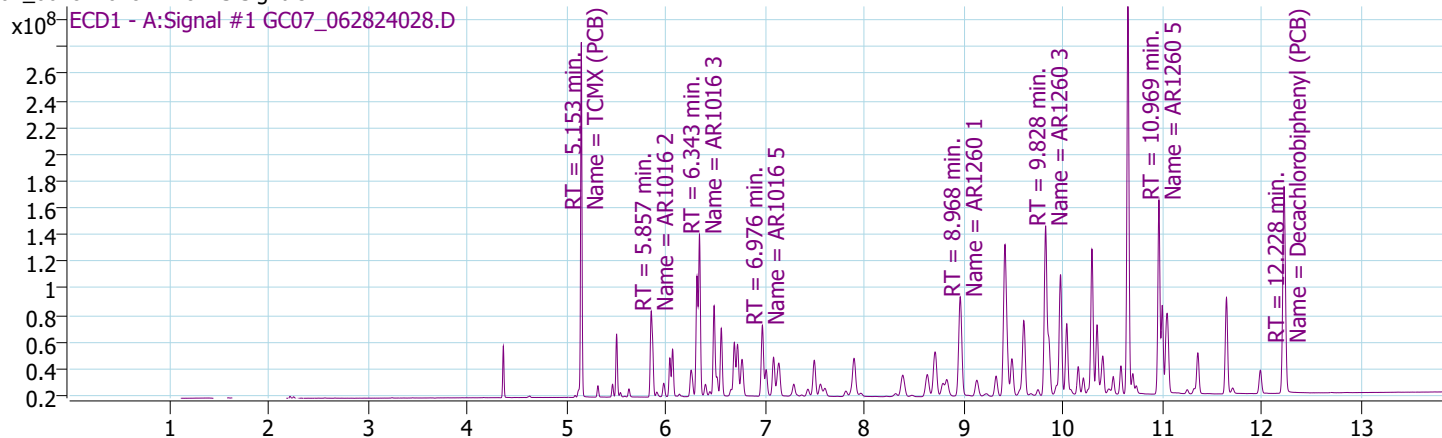
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.6404	13.56	0.00	42099381				



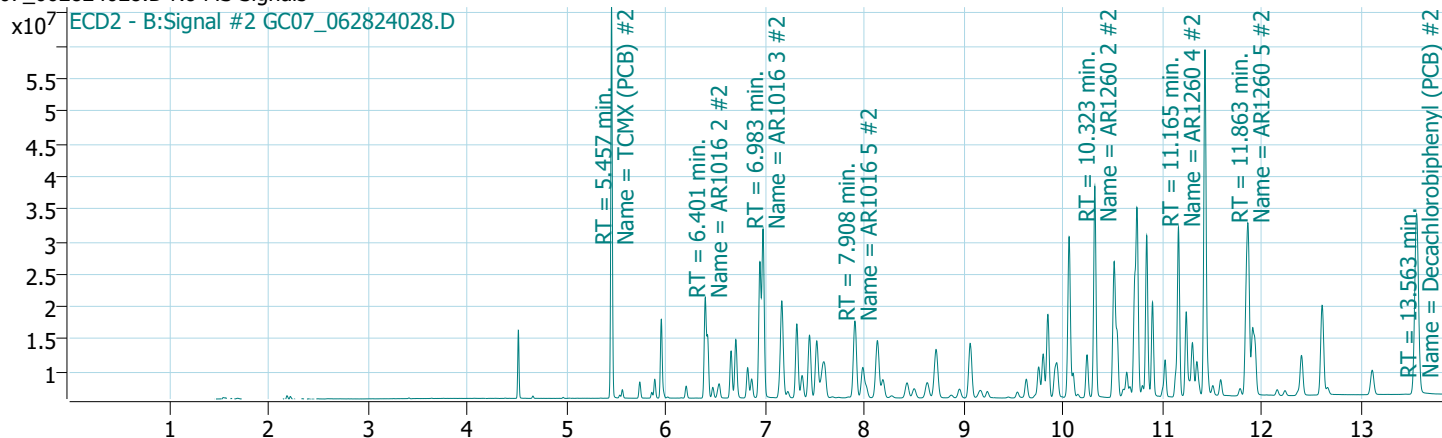
Quantitation Results Report (Not Reviewed)

Data File GC07_062824028.D Acq. Method Acq_Pesticide_052623_4 Sample Name ICAL, S20891 Vial 19 DA Method File PCB_608_062824_GC07_01.m Tune File ATUNE.U Batch Name 062824-PCB-ICAL.batch.bin Ref Library	Operator SVOA Acq. Date-Time 6/28/2024 3:22:59 PM Instrument SVOA-GC07 Multiplier 1.00 Comment 2000 PPB PCB ICAL Tune Date Last Calib Update 6/28/2024 6:59:17 PM
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GC07_062824028.D No MS Signals



GC07_062824028.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	35141495.0 53	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9716811.52 4	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	260526258. 805	158.2608	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 791.30%	*	
S TCMX (PCB) #2	5.457	0.0	66022527.8 86	141.6590	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 708.29%	*	
S Decachlorobiphenyl (PCB)	12.228	0.0	295093471. 364	152.3061	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 761.53%	*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	75083389.4 29	141.4452	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 707.23%	*	

Target Compounds

QValue

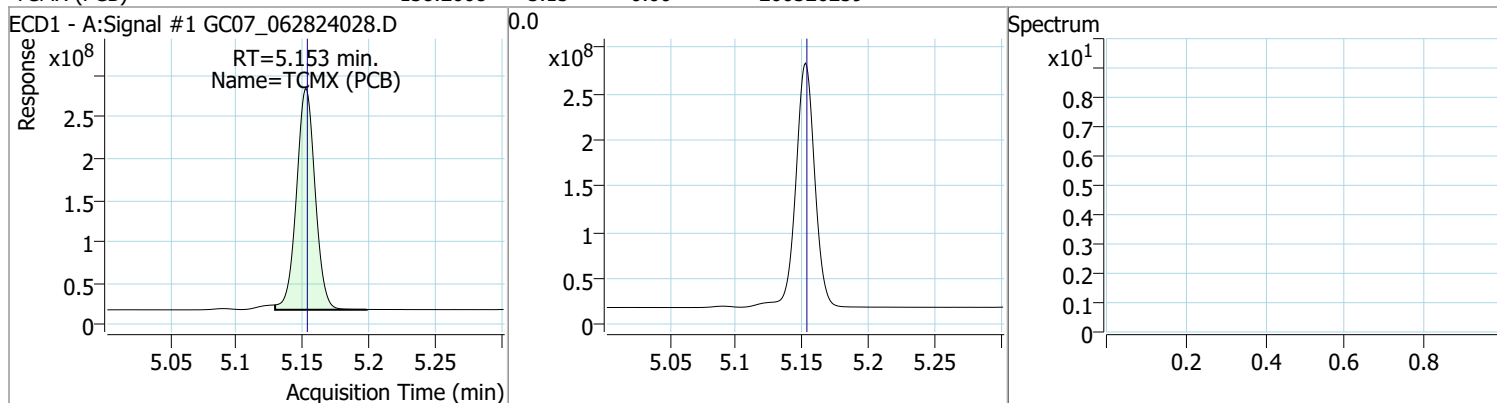
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	52797819.7 65	1718.8463	ng/ml	100
T AR1016 2	5.857	0.0	111345883. 541	1744.9062	ng/ml	100
T AR1016 1 #2	5.958	0.0	16229620.4 65	1581.9063	ng/ml	100
T AR1016 3	6.343	0.0	158970350. 988	1985.6885	ng/ml m	100
T AR1016 2 #2	6.401	0.0	34600333.7 01	1632.3314	ng/ml	100
T AR1016 4	6.490	0.0	98962762.1 06	1853.3892	ng/ml m	100
T AR1016 5	6.976	0.0	87157456.9 64	1856.9819	ng/ml	100
T AR1016 3 #2	6.983	0.0	43534275.0 09	1646.7307	ng/ml	100
T AR1016 4 #2	7.171	0.0	31722770.5 02	1623.2318	ng/ml	100
T AR1016 5 #2	7.908	0.0	26389484.2 66	1669.5818	ng/ml	100
T AR1260 1	8.968	0.0	163694033. 664	1738.9678	ng/ml	100
T AR1260 2	9.419	0.0	262121139. 076	1823.2227	ng/ml	100
T AR1260 3	9.828	0.0	300188552. 398	1940.6192	ng/ml	100
T AR1260 1 #2	10.064	0.0	45427087.5 47	1615.9576	ng/ml	100
T AR1260 4	10.294	0.0	177019455. 562	1979.4214	ng/ml	100
T AR1260 2 #2	10.323	0.0	54314494.7 49	1537.9743	ng/ml	100
T AR1260 3 #2	10.747	0.0	68953559.5 13	1622.0809	ng/ml	100
T AR1260 5	10.969	0.0	212918830. 025	1988.2437	ng/ml	100
T AR1260 4 #2	11.165	0.0	46064500.5 54	1713.7276	ng/ml	100
T AR1260 5 #2	11.863	0.0	66563997.7 77	1668.0607	ng/ml	100

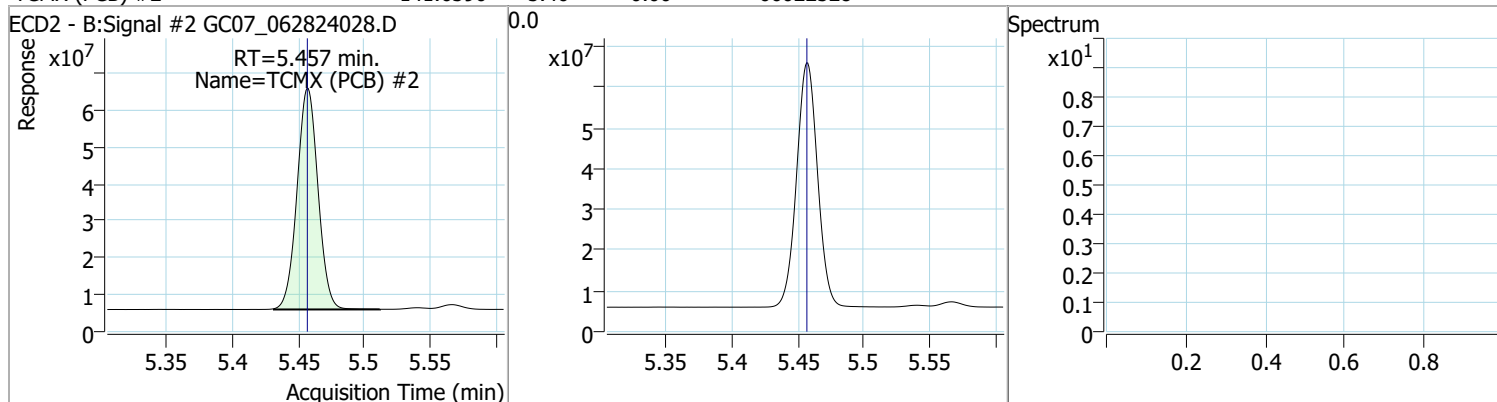
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

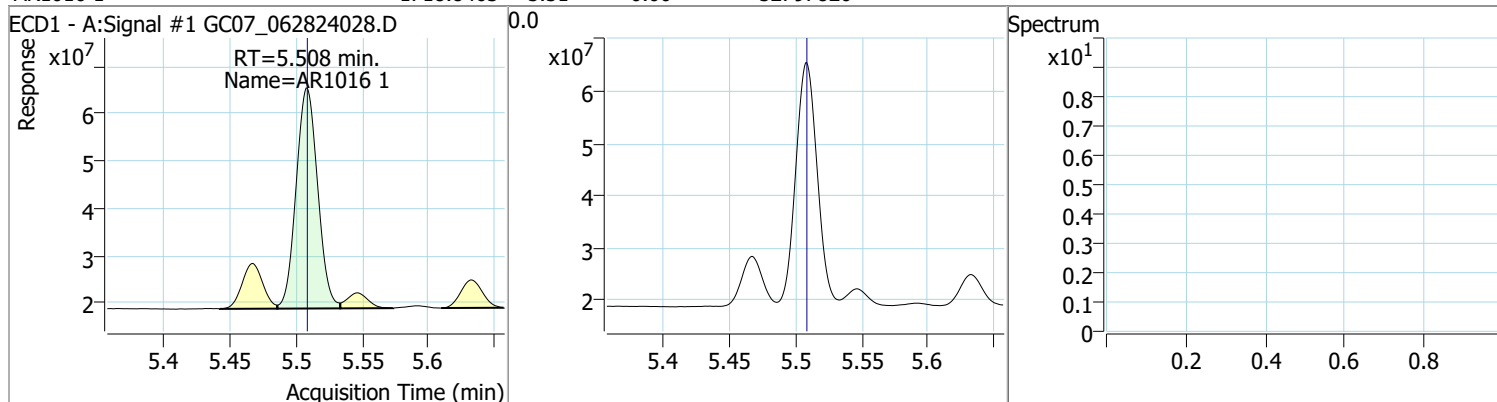
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	158.2608	5.15	0.00	260526259				



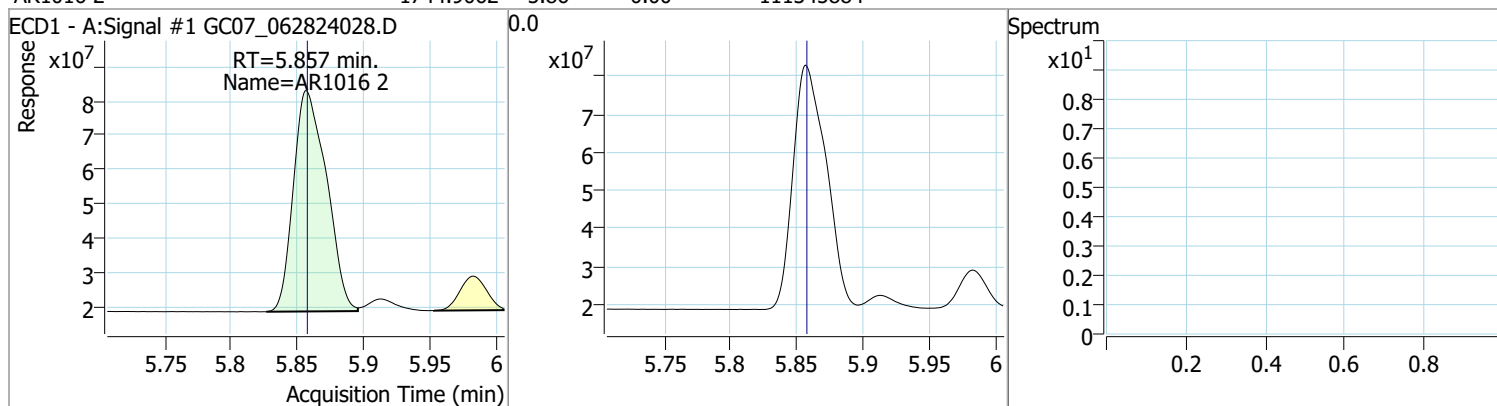
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	141.6590	5.46	0.00	66022528				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1718.8463	5.51	0.00	52797820				

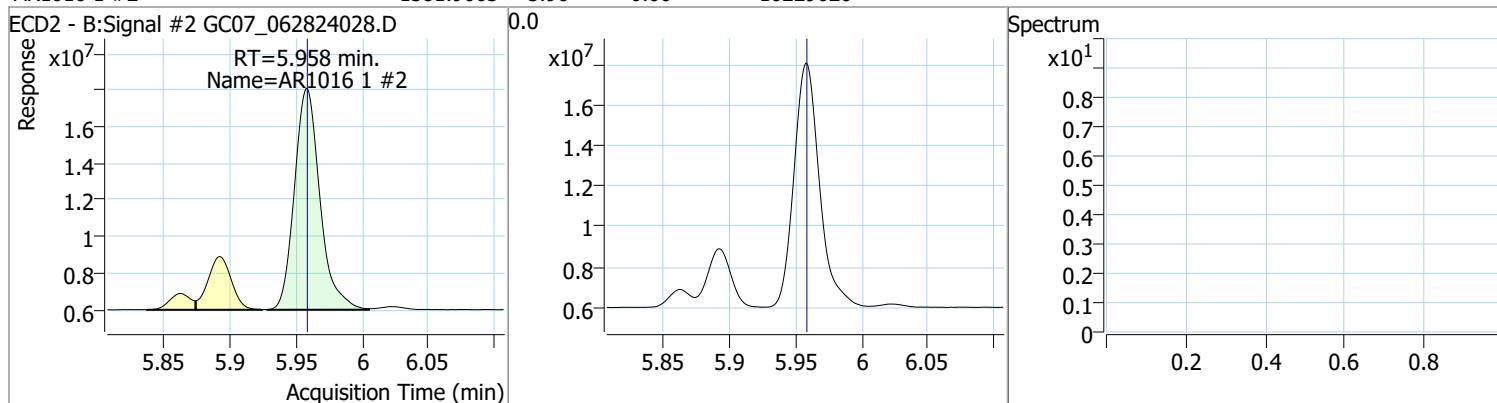


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1744.9062	5.86	0.00	111345884				

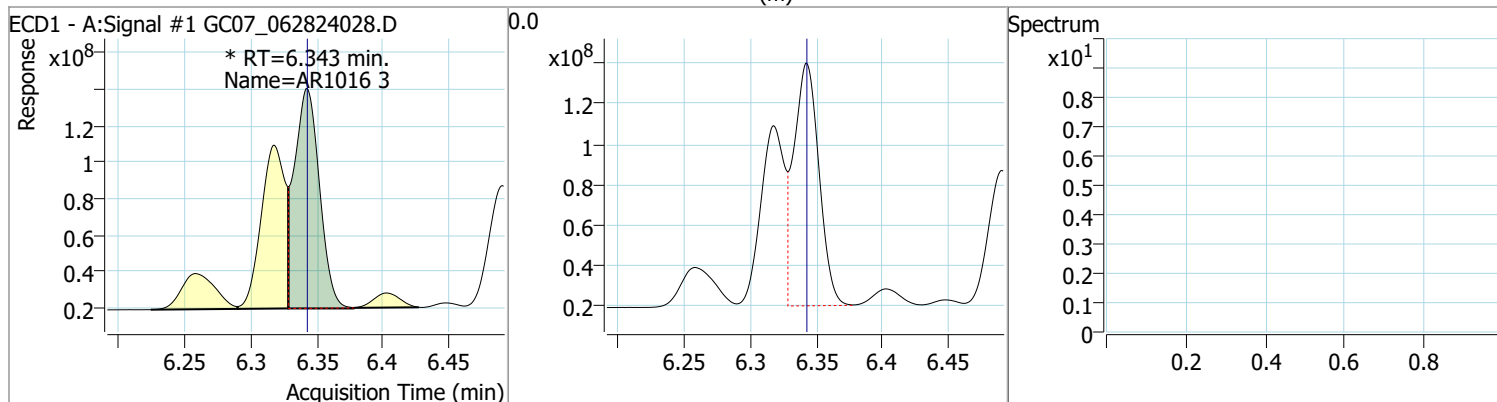


Quantitation Results Report (Not Reviewed)

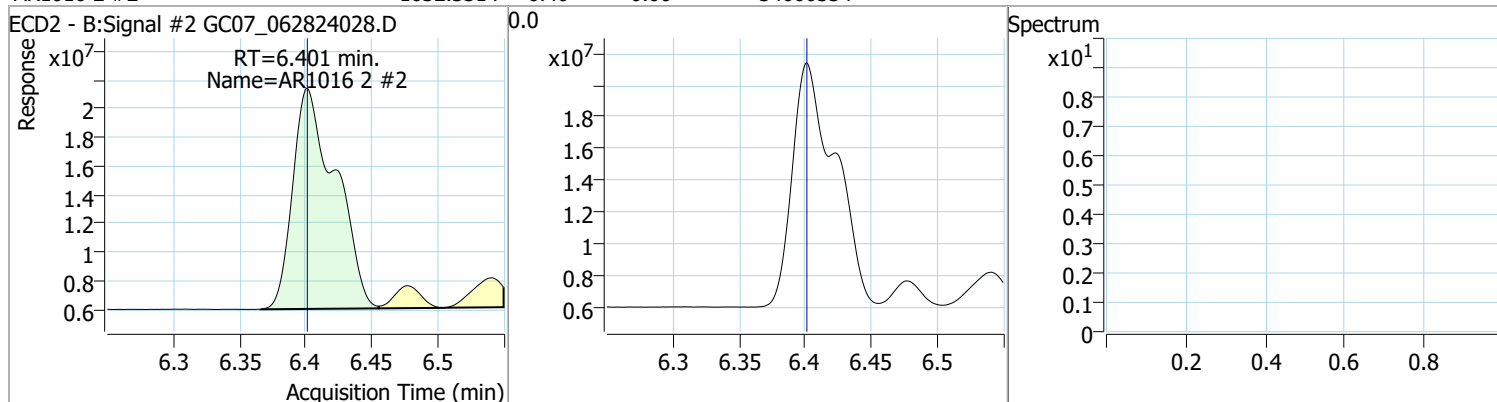
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1581.9063	5.96	0.00	16229620				



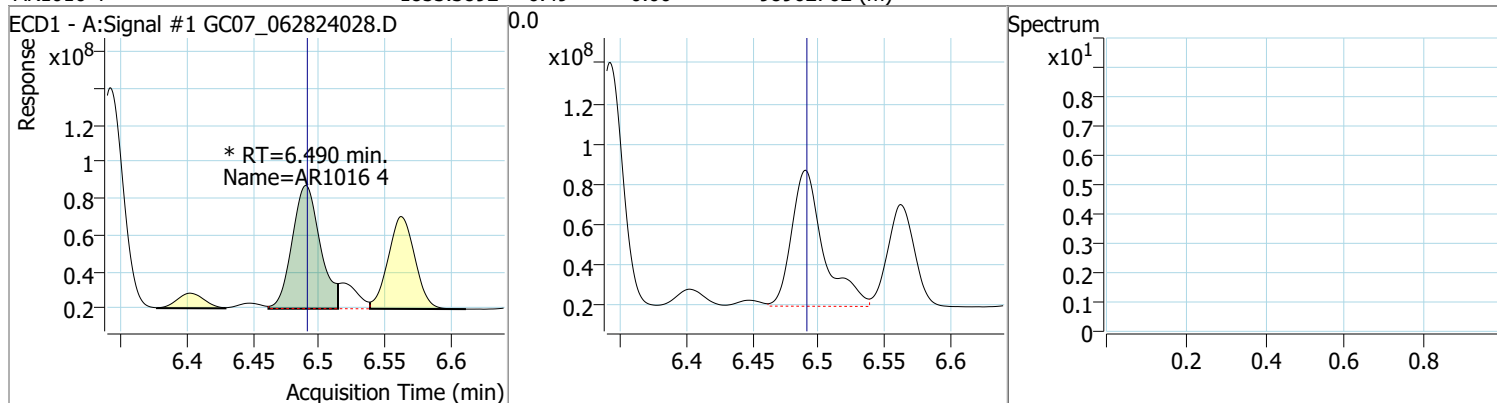
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1985.6885	6.34	0.00	158970351 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1632.3314	6.40	0.00	34600334				

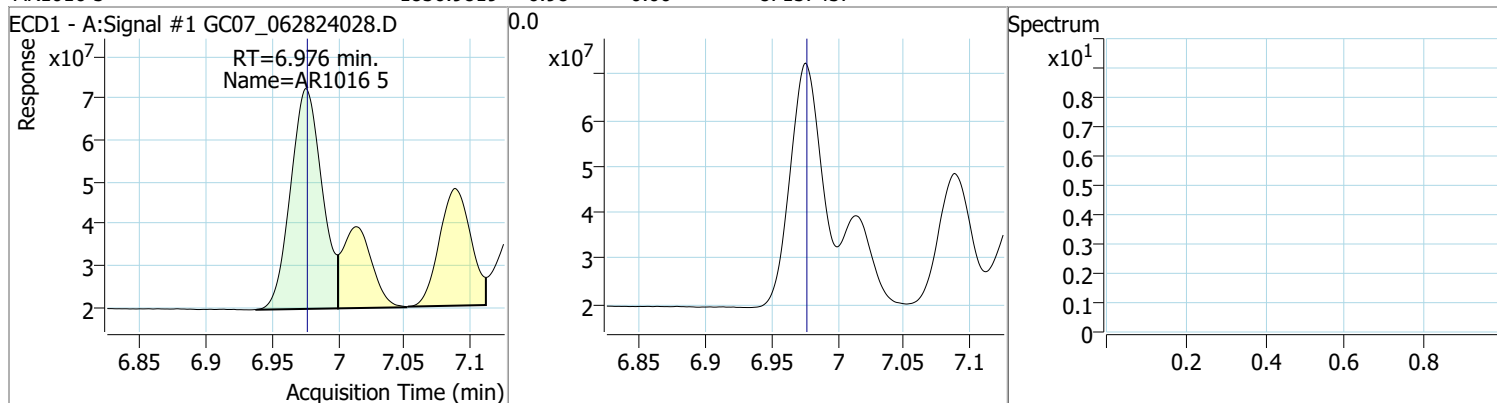


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1853.3892	6.49	0.00	98962762 (m)				

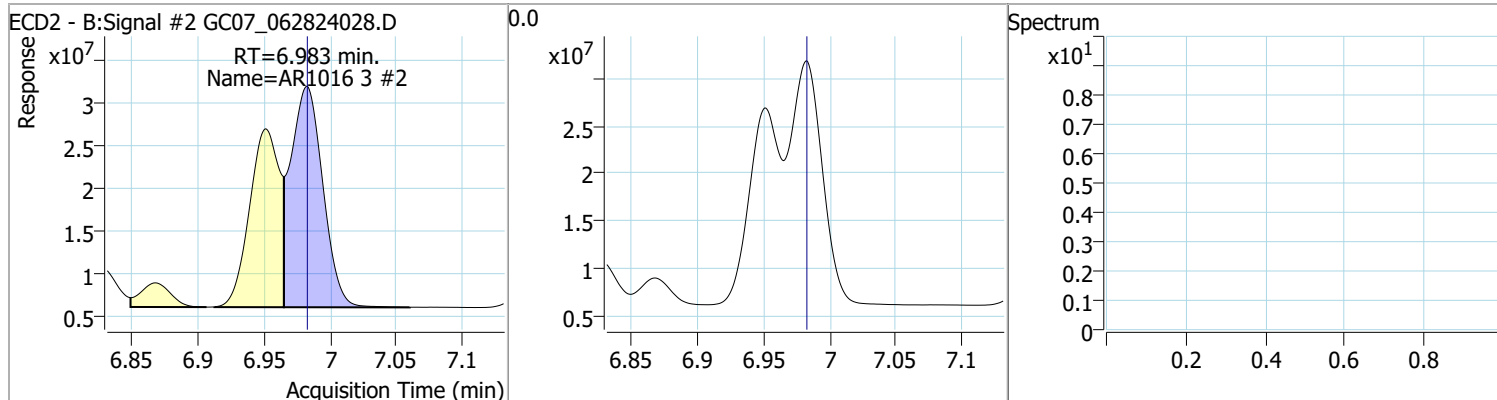


Quantitation Results Report (Not Reviewed)

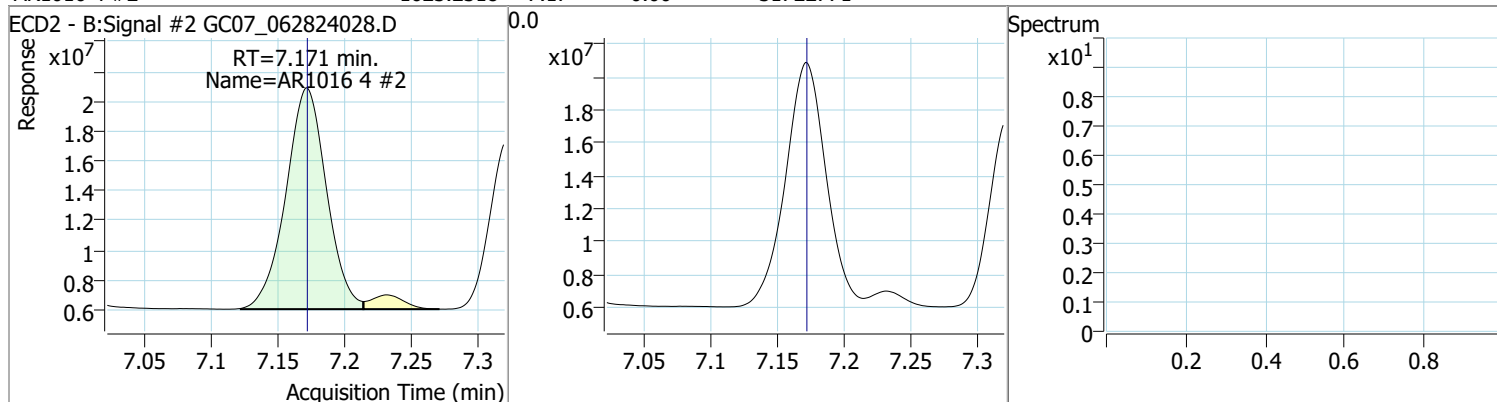
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1856.9819	6.98	0.00	87157457				



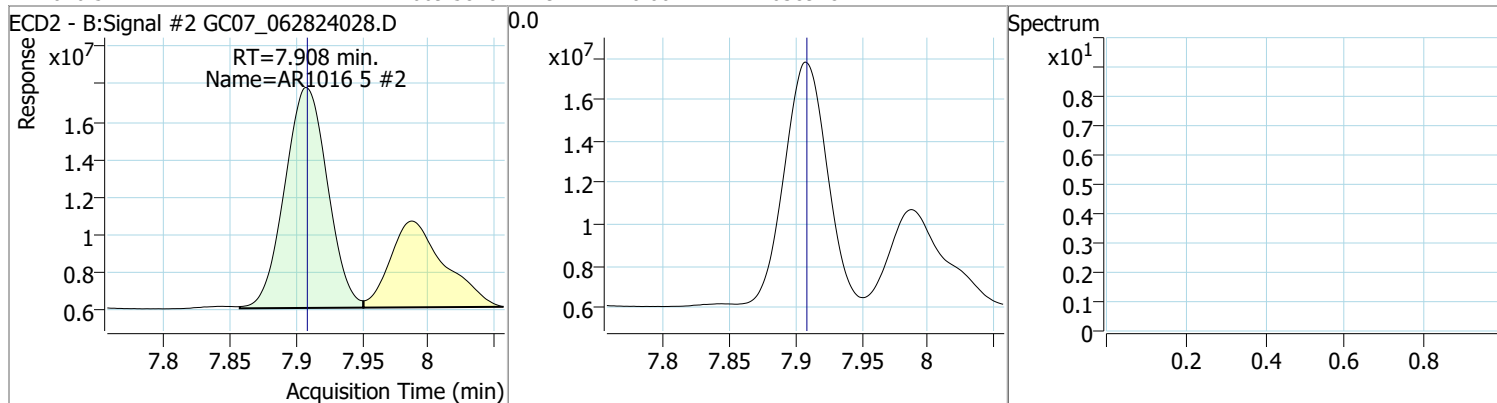
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1646.7307	6.98	0.00	43534275				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1623.2318	7.17	0.00	31722771				

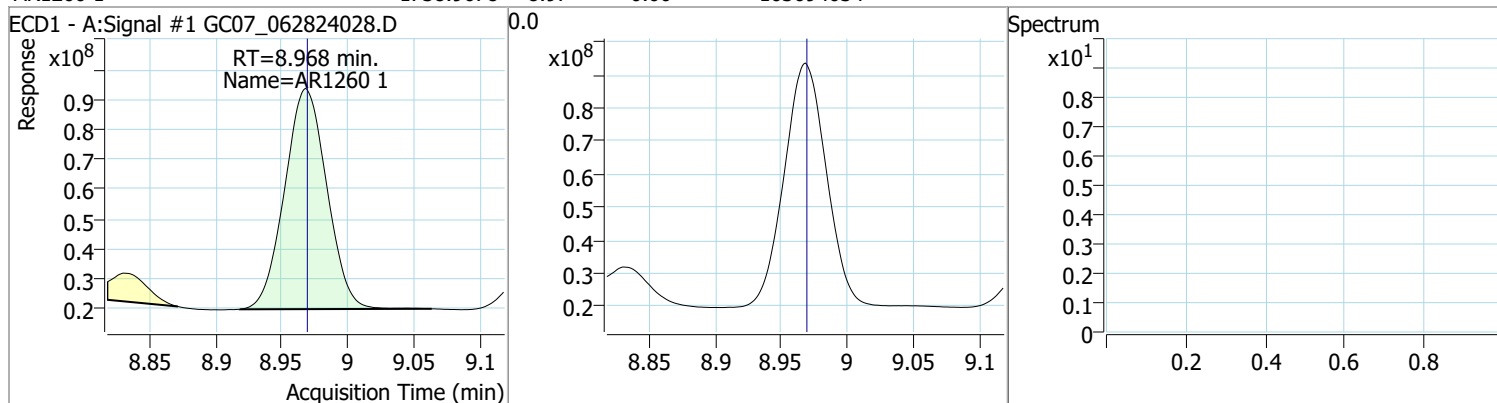


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1669.5818	7.91	0.00	26389484				

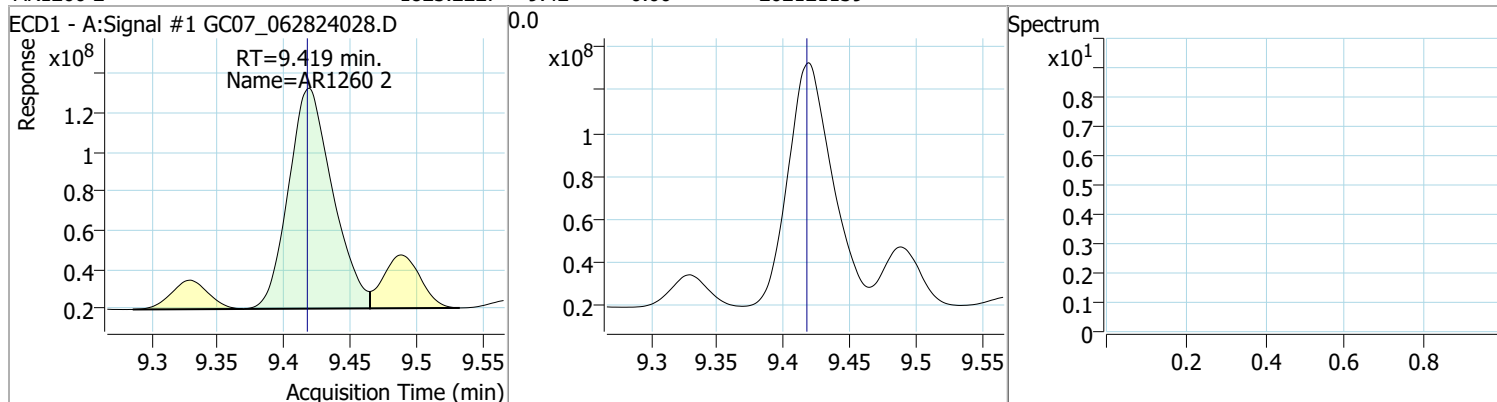


Quantitation Results Report (Not Reviewed)

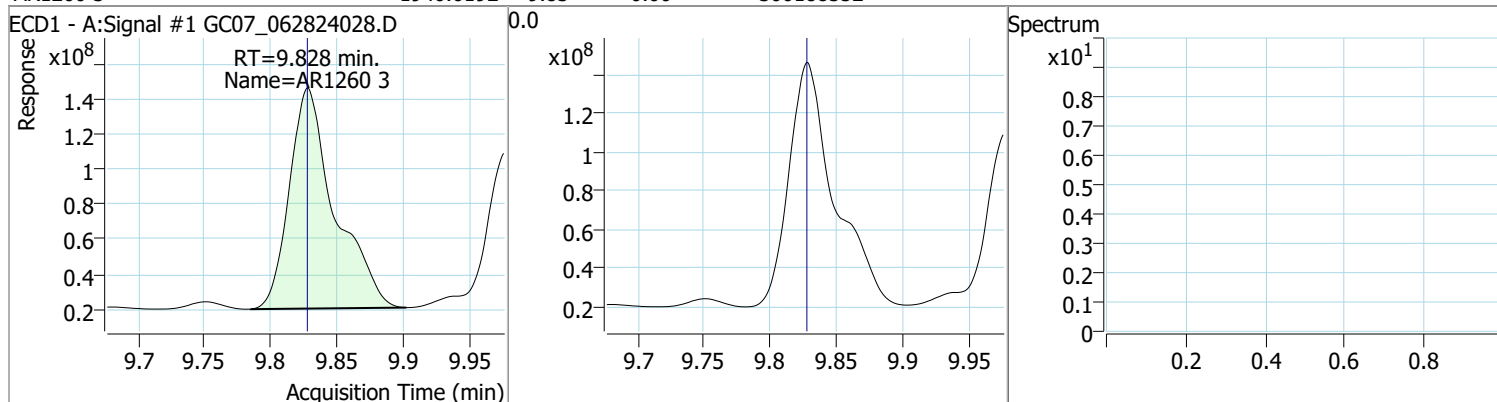
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1738.9678	8.97	0.00	163694034				



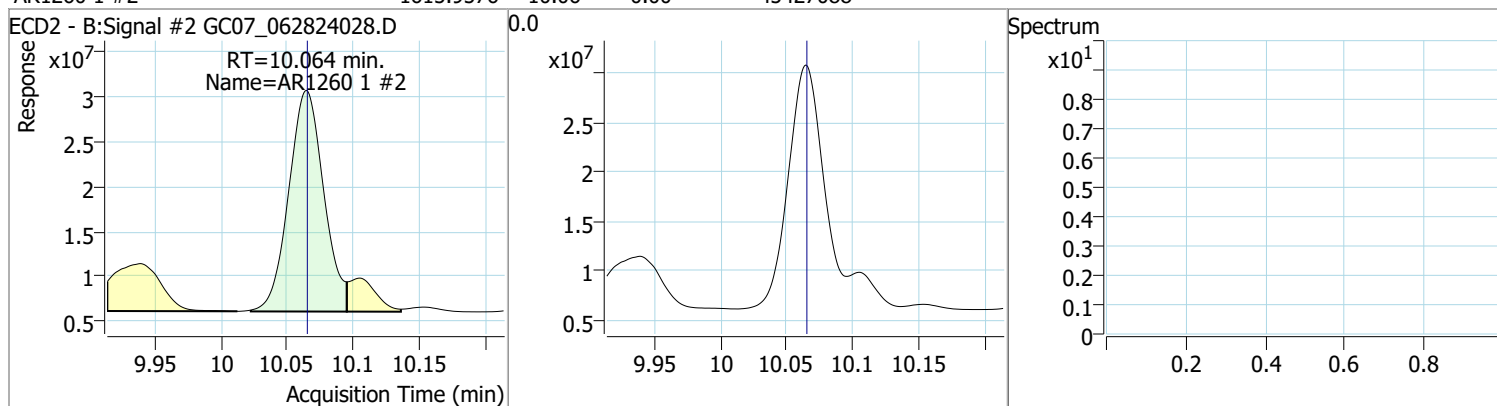
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1823.2227	9.42	0.00	262121139				



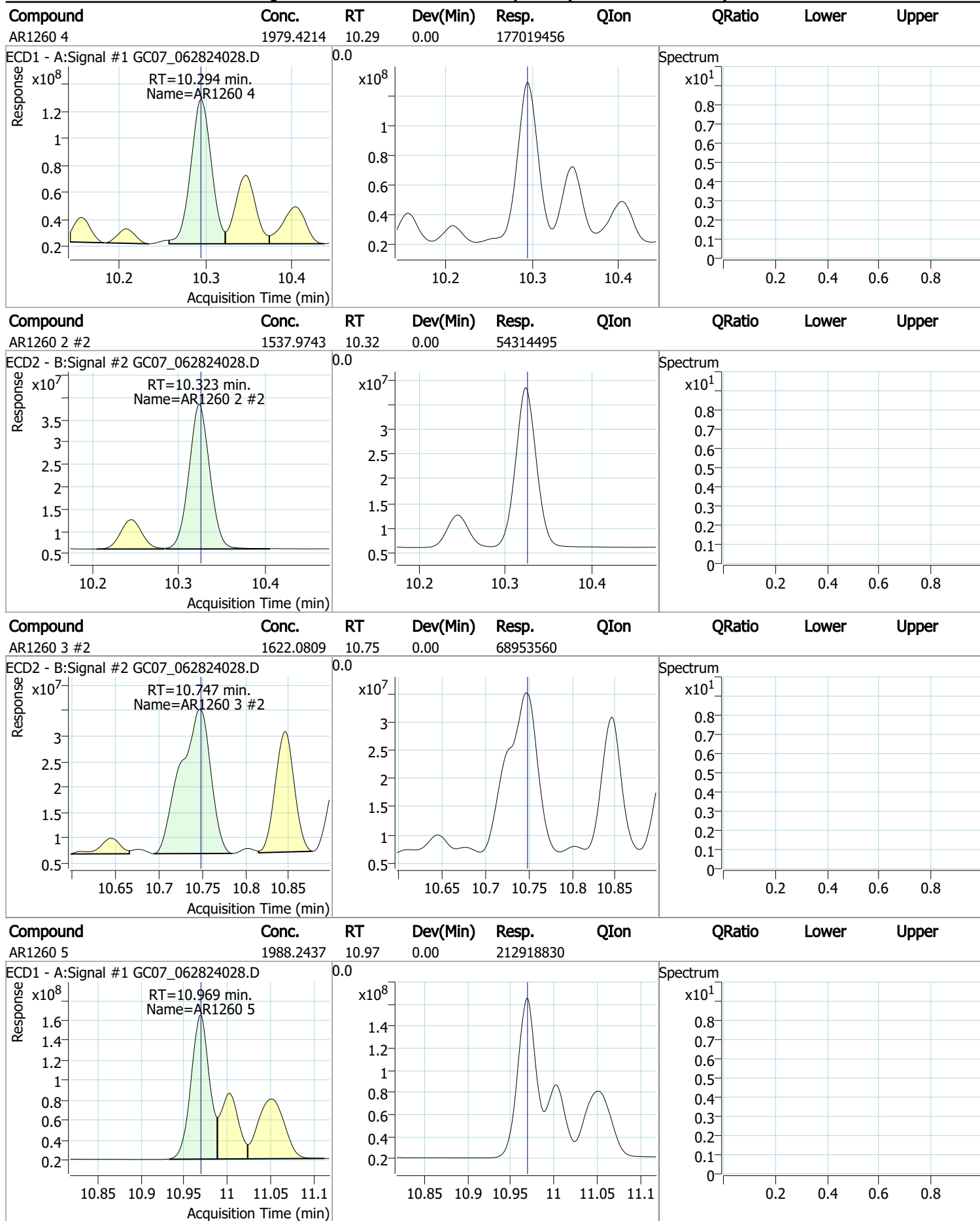
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1940.6192	9.83	0.00	300188552				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1615.9576	10.06	0.00	45427088				

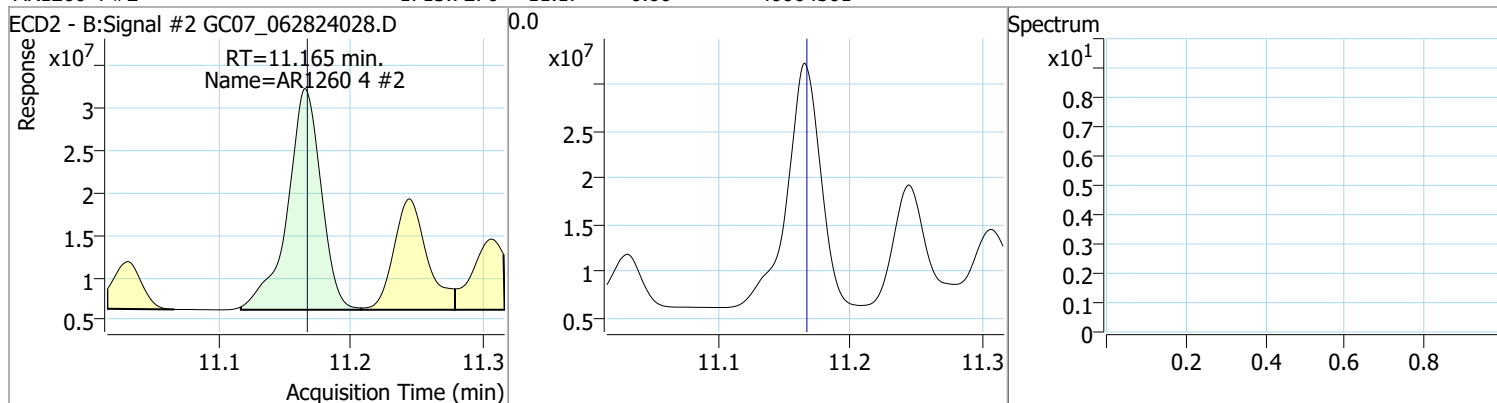


Quantitation Results Report (Not Reviewed)

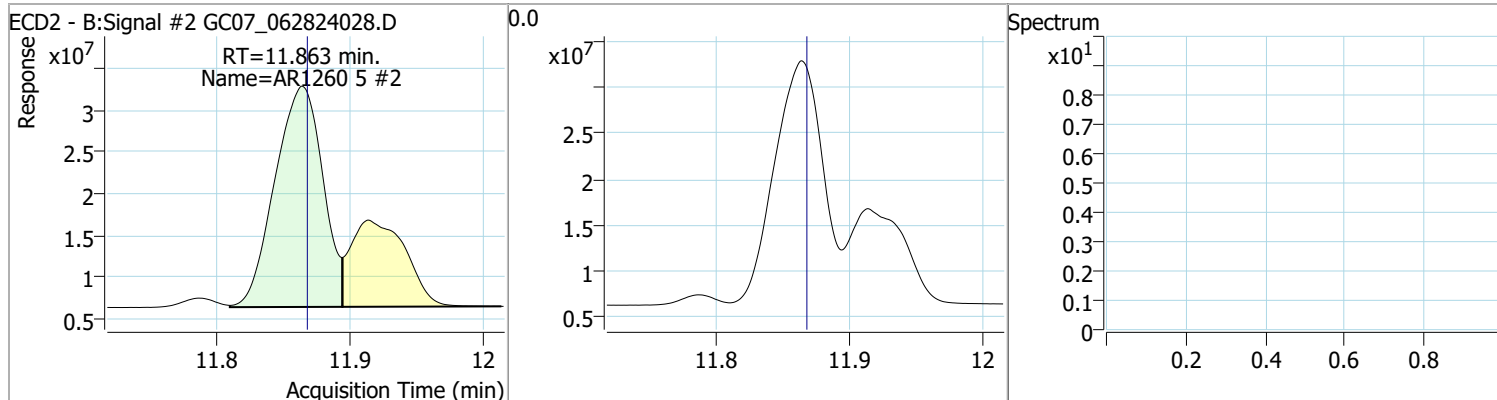


Quantitation Results Report (Not Reviewed)

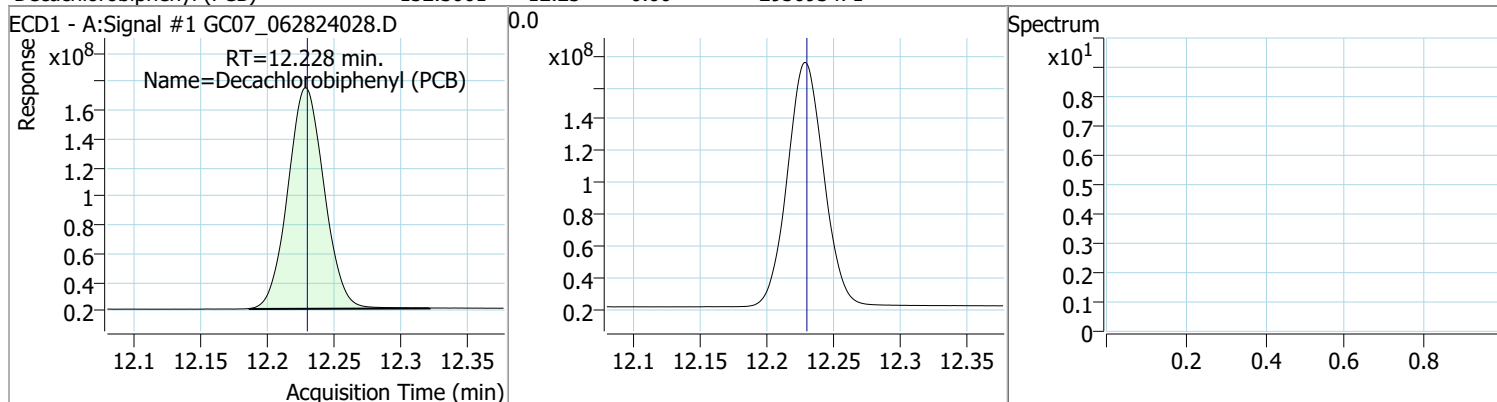
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1713.7276	11.17	0.00	46064501				



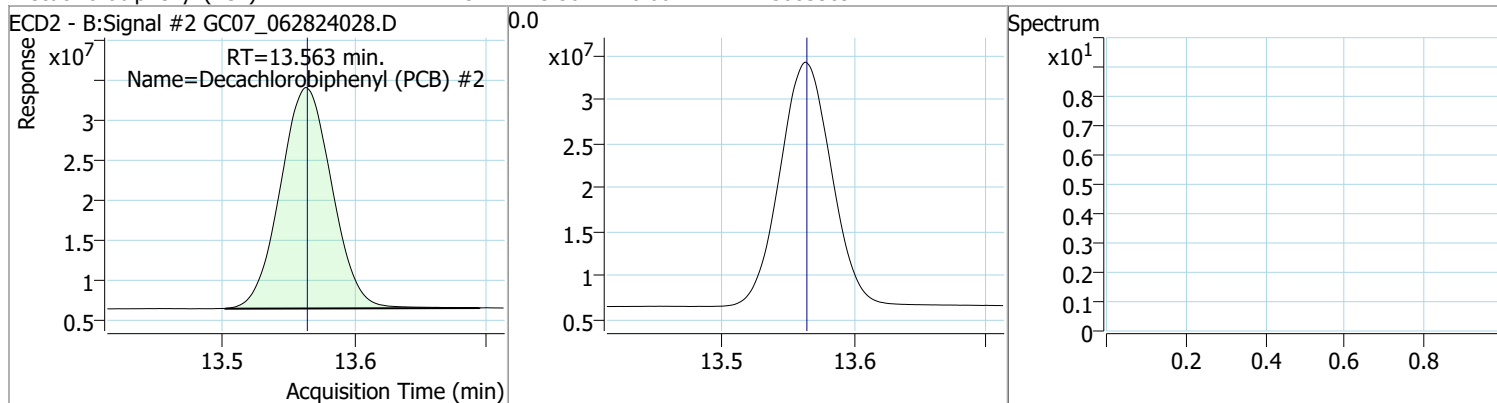
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1668.0607	11.86	0.00	66563998				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	152.3061	12.23	0.00	295093471				

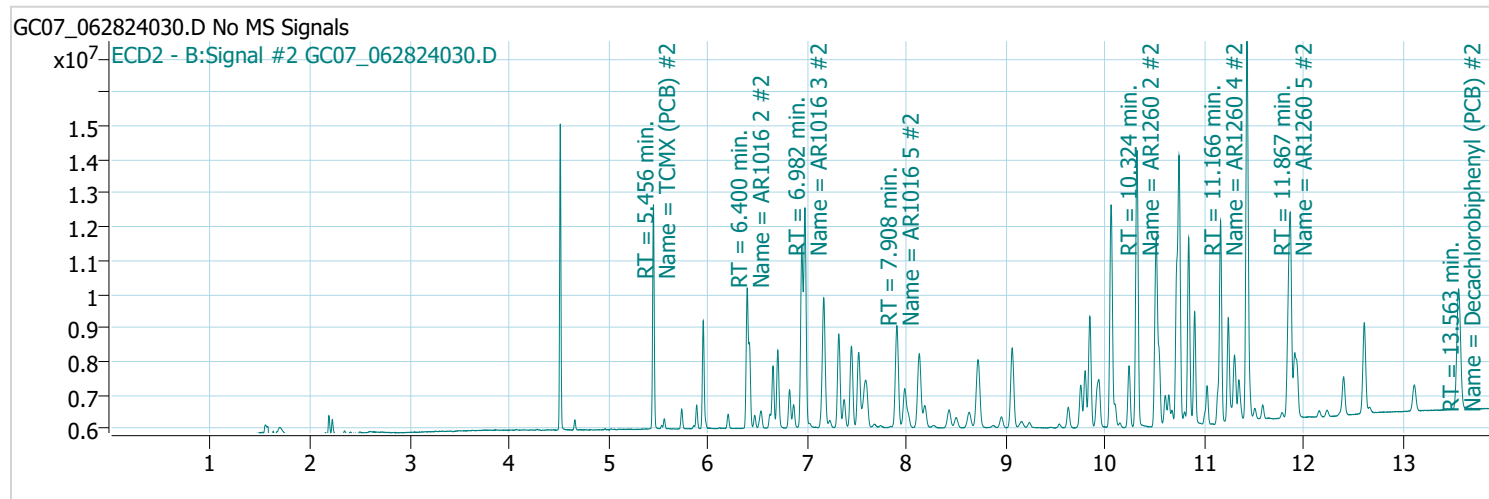
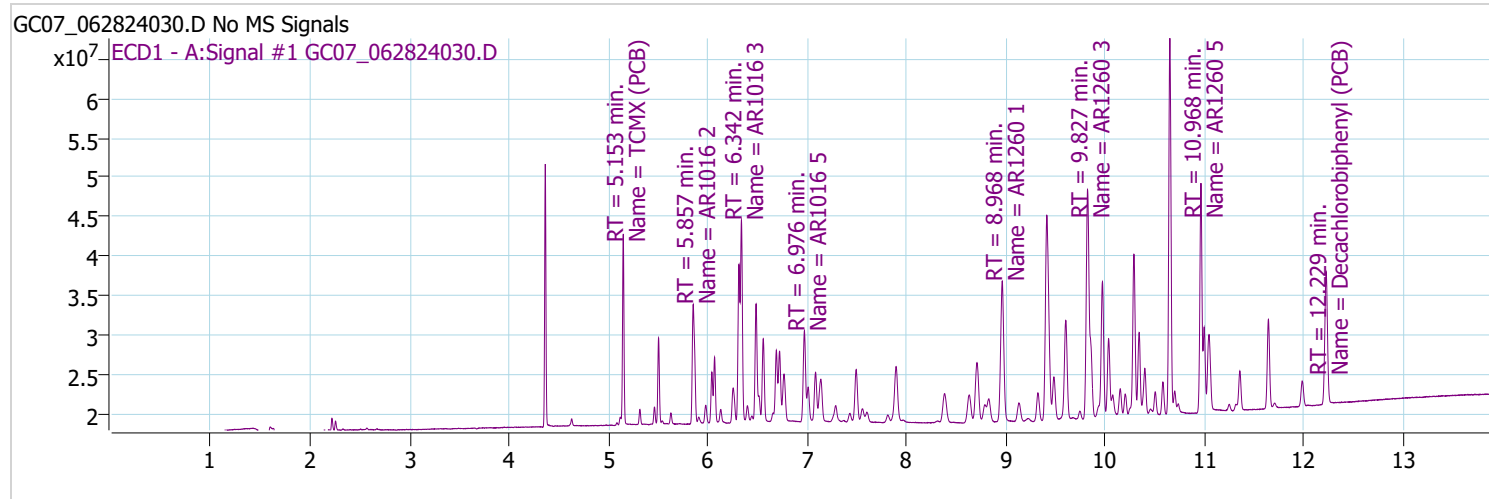


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	141.4452	13.56	0.00	75083389				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:57:48 PM
Sample Name	ICV, S20893	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	30413590.8 36	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8376601.44 5	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	24996814.0 38	17.5452	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.73%		
S TCMX (PCB) #2	5.456	0.0	7611693.35 9	18.9448	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.72%		
S Decachlorobiphenyl (PCB)	12.229	0.0	32564996.7 55	19.4205	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.10%		
S Decachlorobiphenyl (PCB) #2	13.563	0.0	9597731.27 6	20.9734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.87%		

Target Compounds

QValue

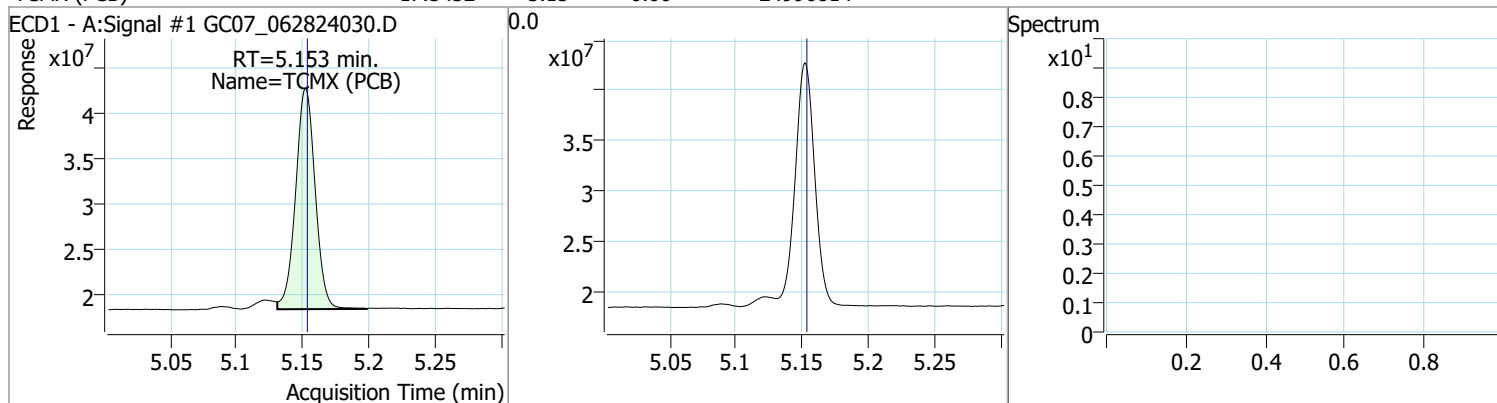
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	12386632.7 60	465.9366	ng/ml	100
T AR1016 2	5.857	0.0	26299436.2 09	476.2082	ng/ml	100
T AR1016 1 #2	5.958	0.0	4174180.59 8	471.9539	ng/ml	100
T AR1016 3	6.342	0.0	34546415.2 35	527.2991	ng/ml	100
T AR1016 2 #2	6.400	0.0	9001561.38 0	492.6084	ng/ml	100
T AR1016 4	6.490	0.0	22137100.0 40	479.0359	ng/ml m	100
T AR1016 5	6.976	0.0	19309556.1 31	475.3658	ng/ml	100
T AR1016 3 #2	6.982	0.0	11170392.5 72	490.1349	ng/ml	100
T AR1016 4 #2	7.171	0.0	8088316.34 2	480.0909	ng/ml	100
T AR1016 5 #2	7.908	0.0	6582770.69 8	483.1049	ng/ml	100
T AR1260 1	8.968	0.0	39268423.1 92	482.0085	ng/ml	100
T AR1260 2	9.417	0.0	62386512.9 04	501.3961	ng/ml	100
T AR1260 3	9.827	0.0	71409385.3 41	533.4012	ng/ml	100
T AR1260 1 #2	10.064	0.0	13287658.7 07	548.3015	ng/ml	100
T AR1260 4	10.293	0.0	34310803.8 90	443.3030	ng/ml	100
T AR1260 2 #2	10.324	0.0	14596035.2 65	479.4288	ng/ml	100
T AR1260 3 #2	10.748	0.0	18681897.9 32	509.7917	ng/ml	100
T AR1260 5	10.968	0.0	43060287.5 97	464.6062	ng/ml	100
T AR1260 4 #2	11.166	0.0	10737657.5 12	463.3839	ng/ml	100
T AR1260 5 #2	11.867	0.0	14959700.7 63	434.8618	ng/ml	100

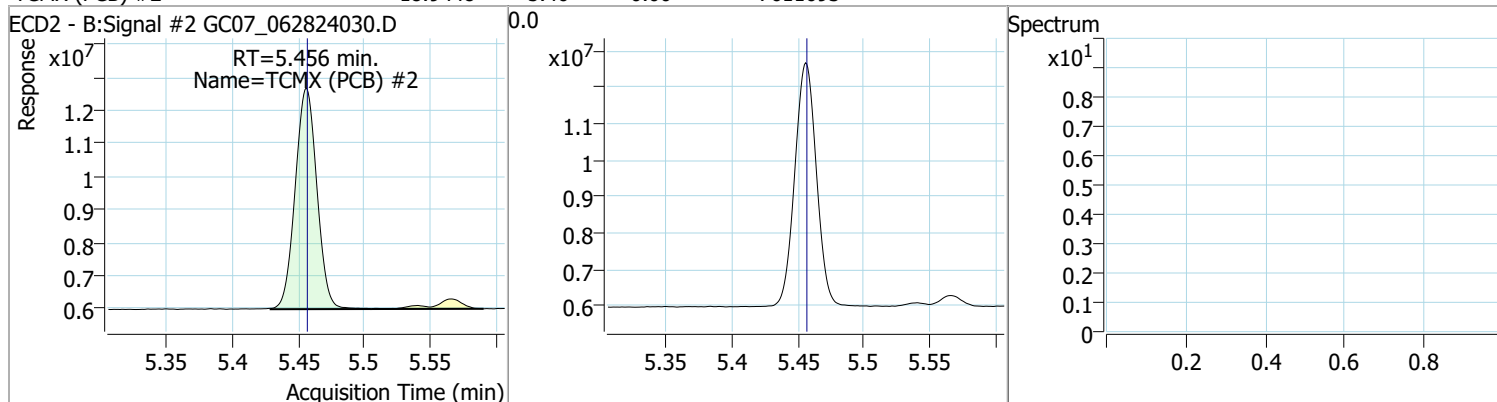
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

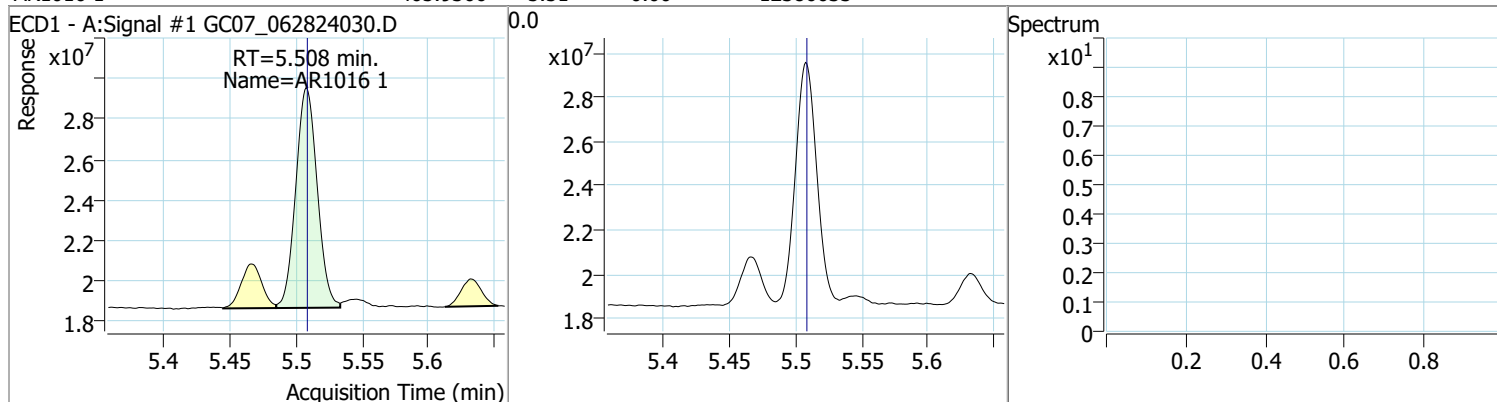
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.5452	5.15	0.00	24996814				



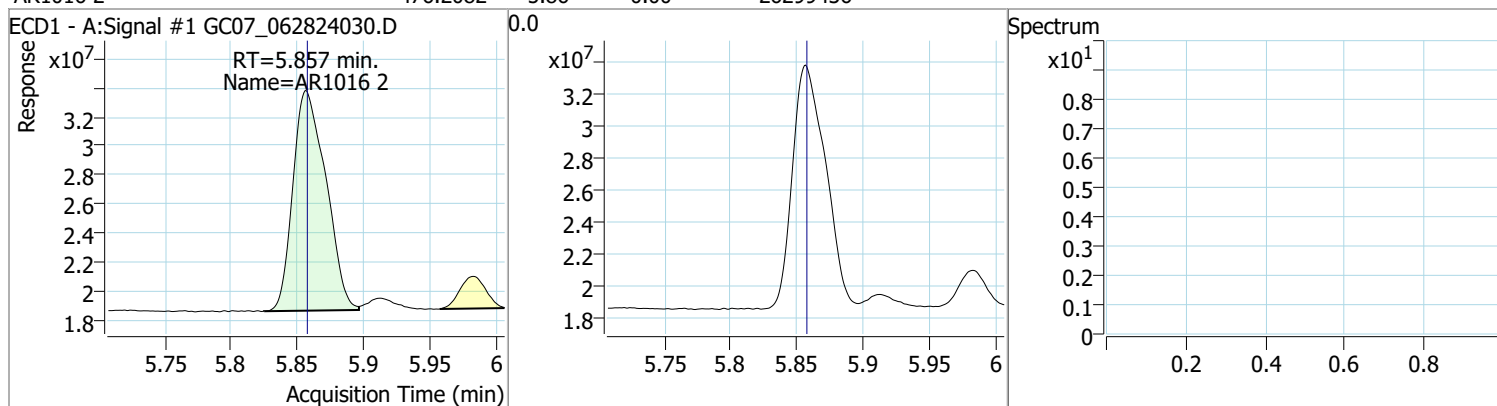
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.9448	5.46	0.00	7611693				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	465.9366	5.51	0.00	12386633				

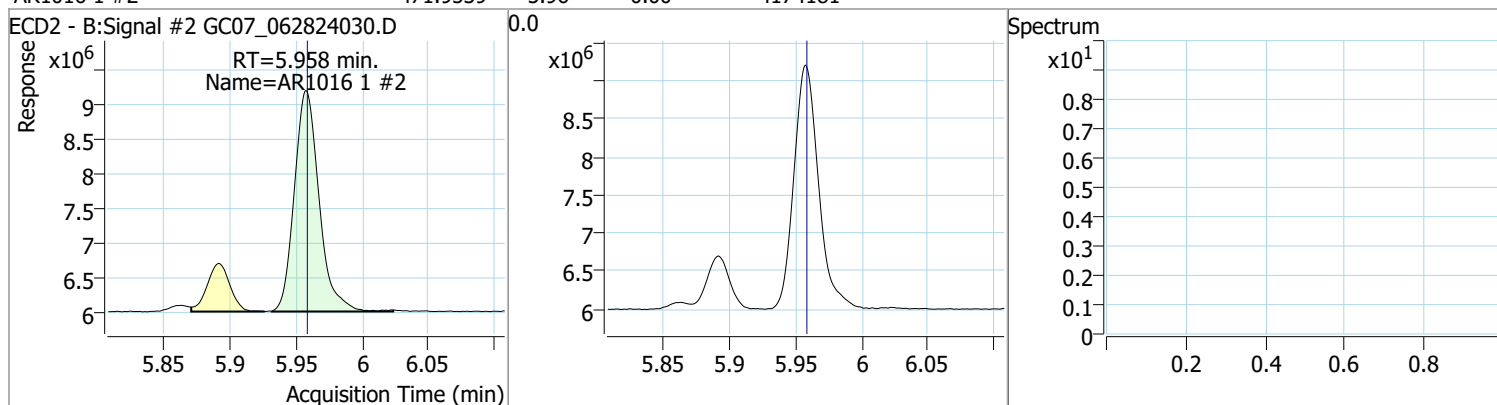


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	476.2082	5.86	0.00	26299436				

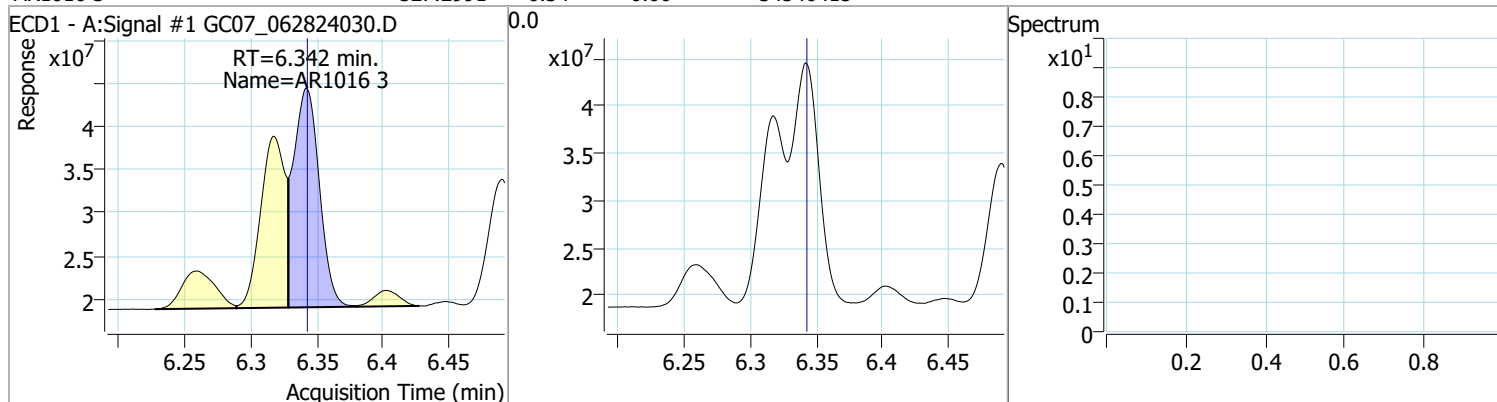


Quantitation Results Report (Not Reviewed)

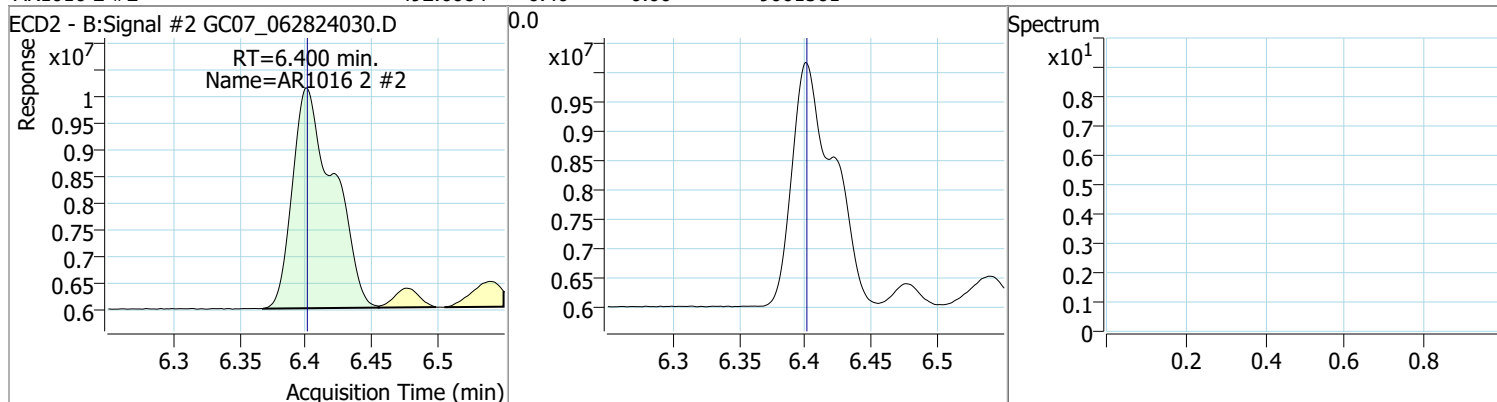
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	471.9539	5.96	0.00	4174181				



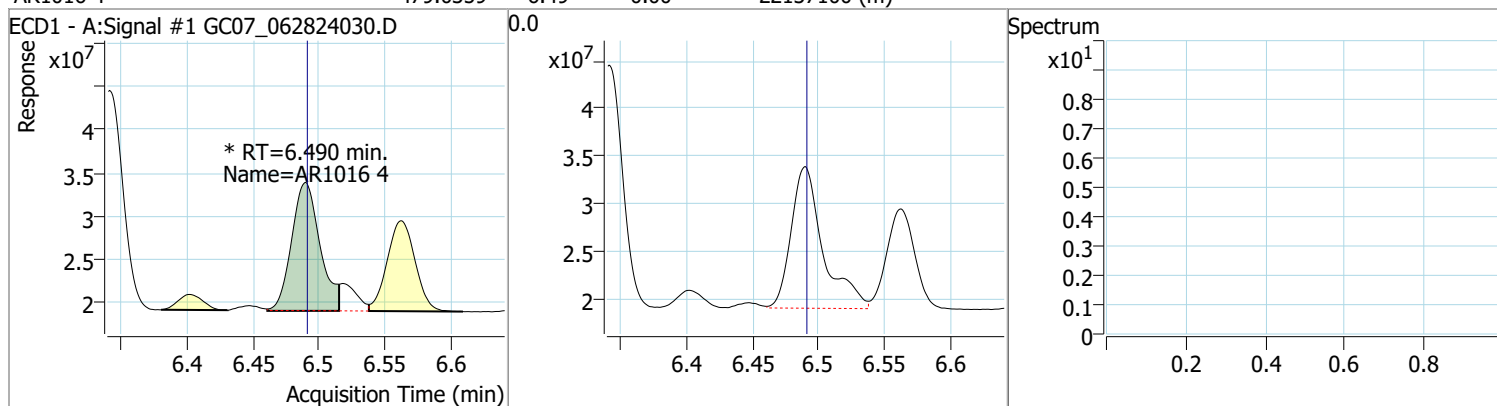
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	527.2991	6.34	0.00	34546415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	492.6084	6.40	0.00	9001561				

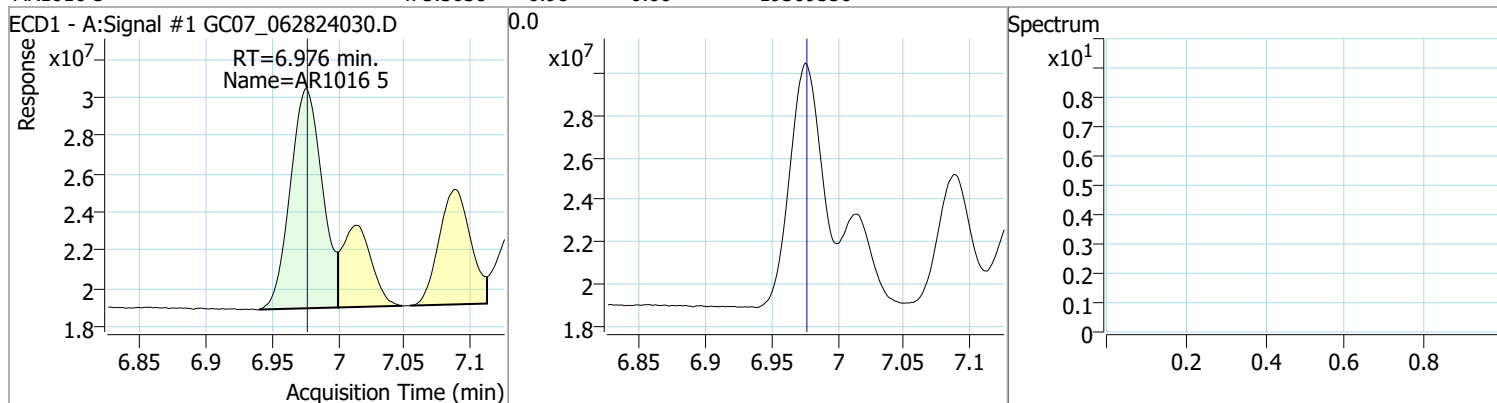


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.0359	6.49	0.00	22137100 (m)				

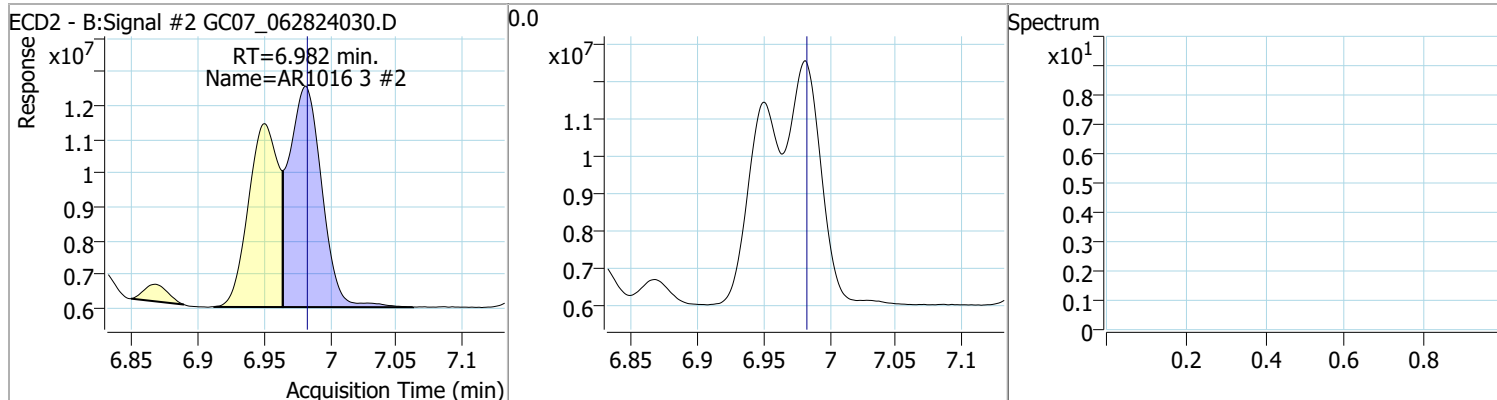


Quantitation Results Report (Not Reviewed)

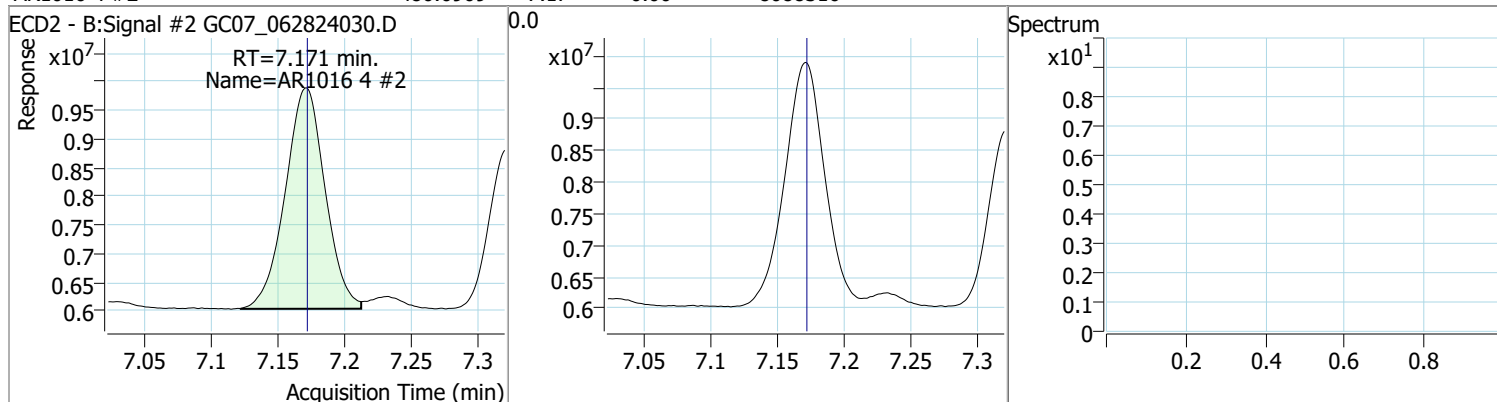
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	475.3658	6.98	0.00	19309556				



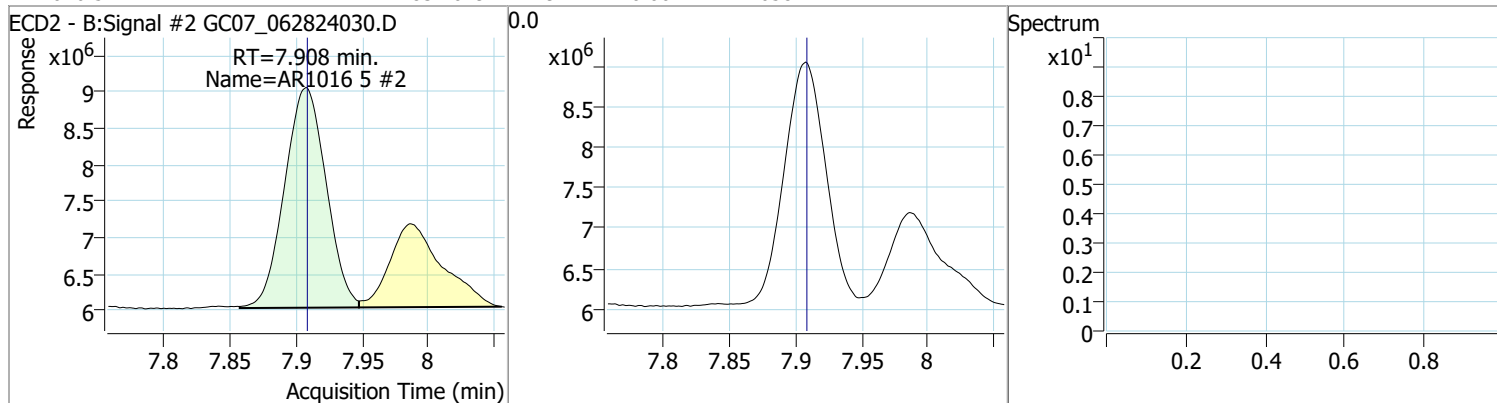
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	490.1349	6.98	0.00	11170393				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	480.0909	7.17	0.00	8088316				

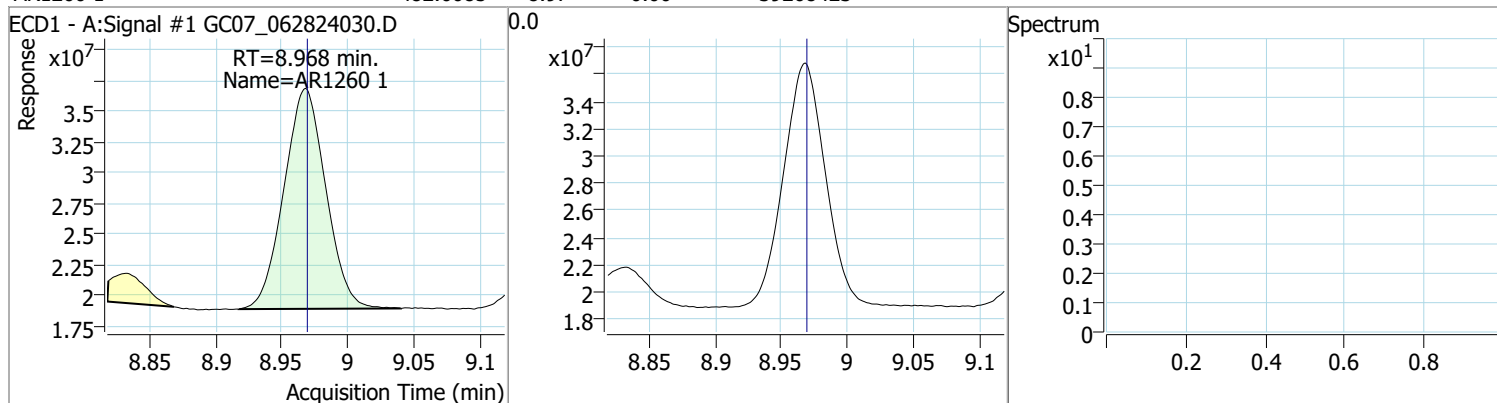


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	483.1049	7.91	0.00	6582771				

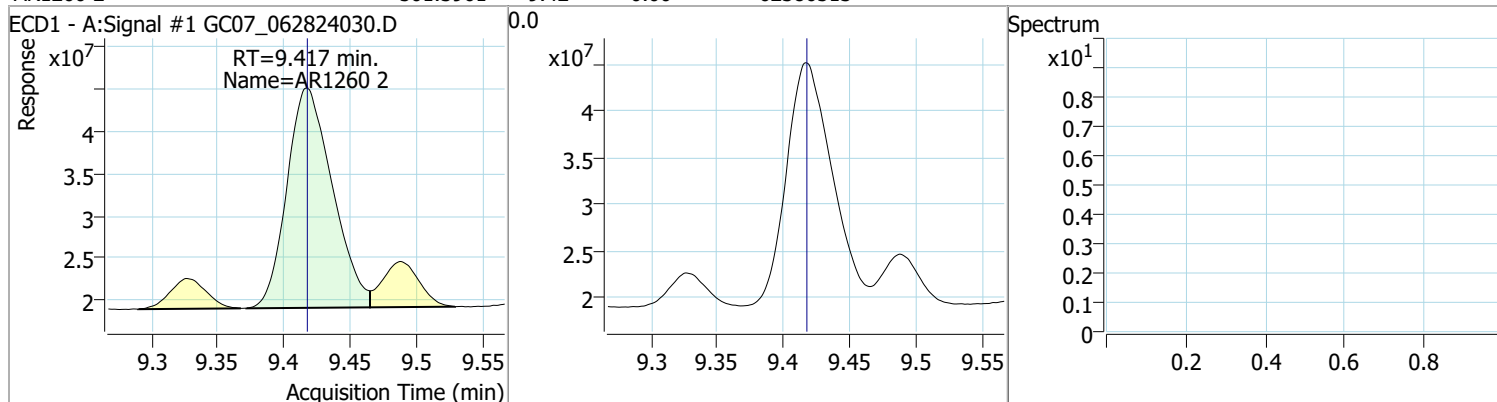


Quantitation Results Report (Not Reviewed)

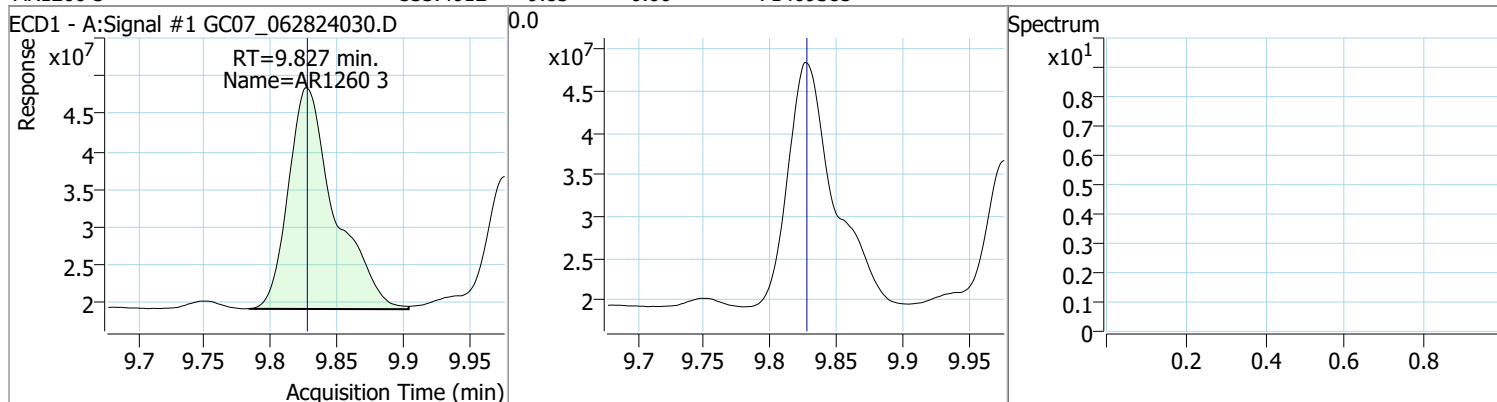
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	482.0085	8.97	0.00	39268423				



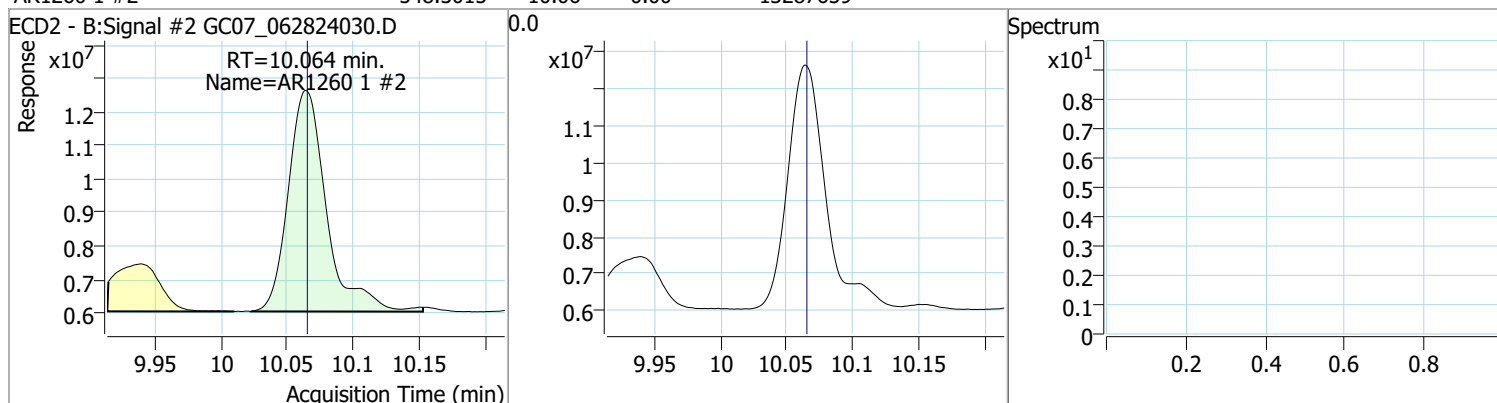
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	501.3961	9.42	0.00	62386513				



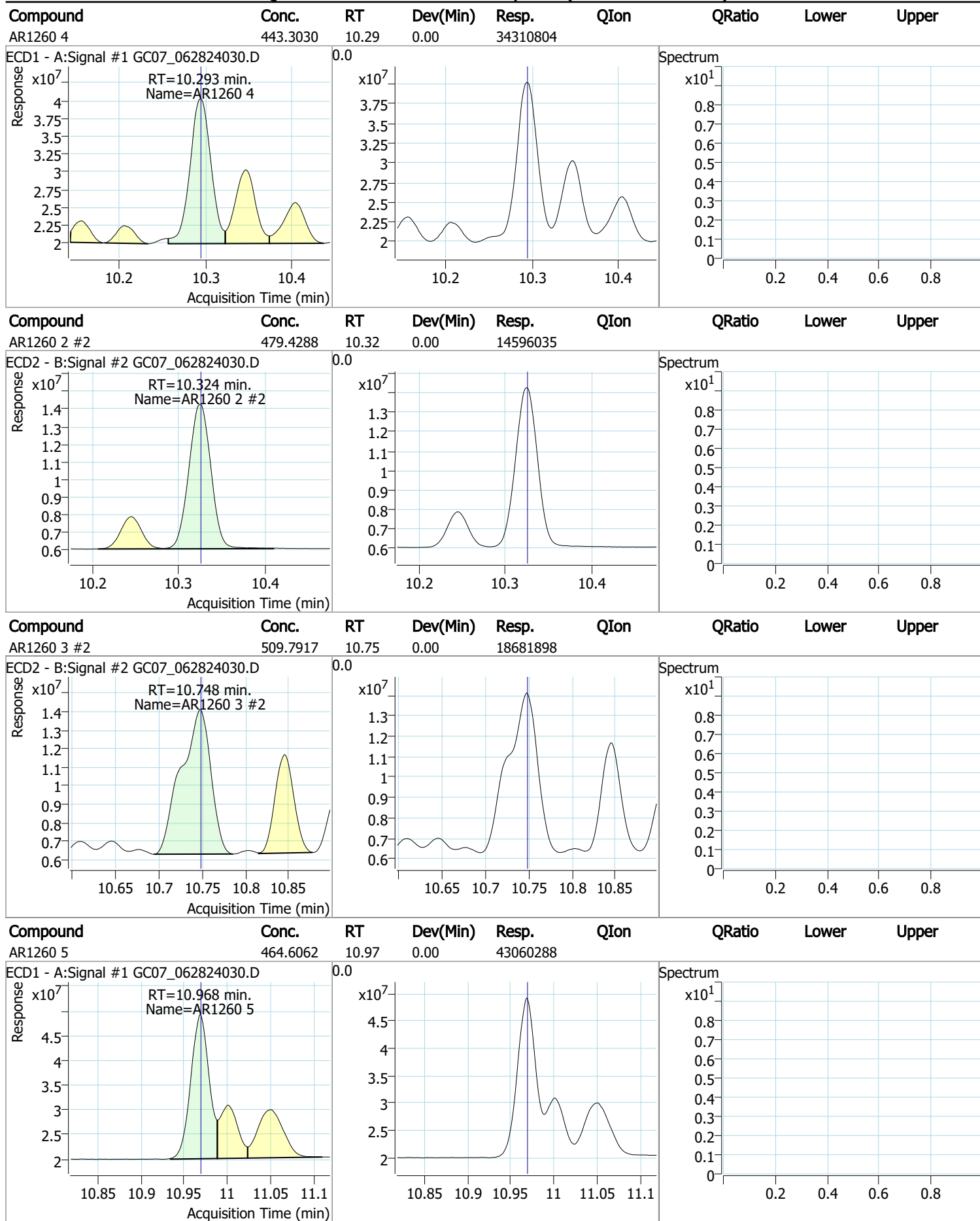
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	533.4012	9.83	0.00	71409385				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	548.3015	10.06	0.00	13287659				

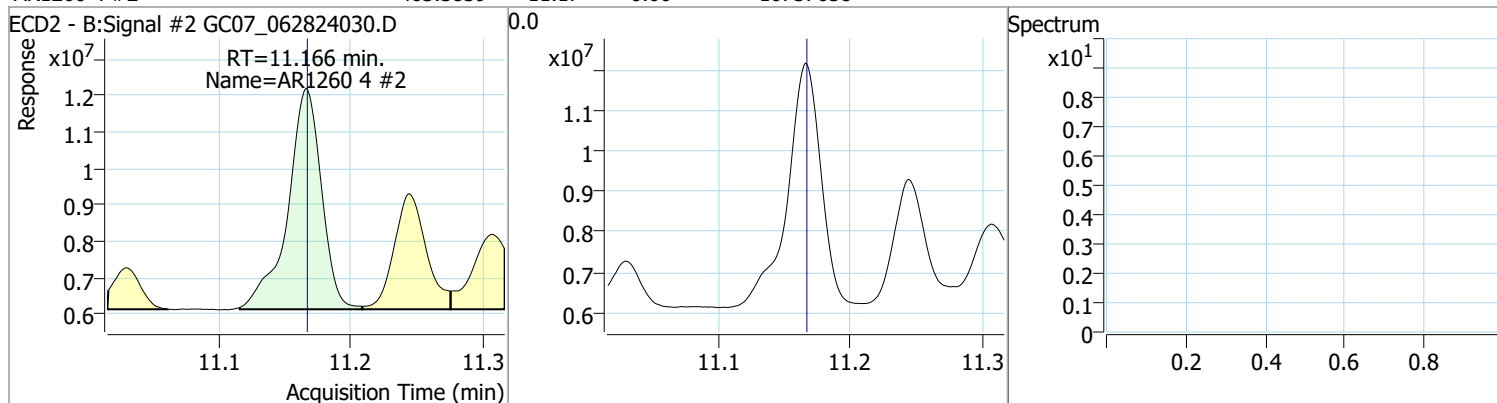


Quantitation Results Report (Not Reviewed)

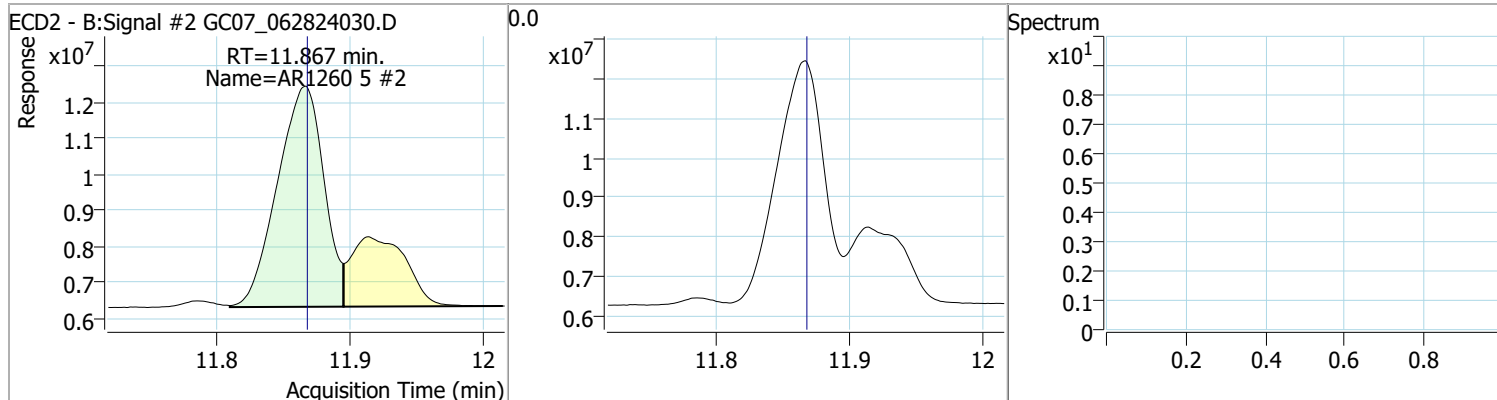


Quantitation Results Report (Not Reviewed)

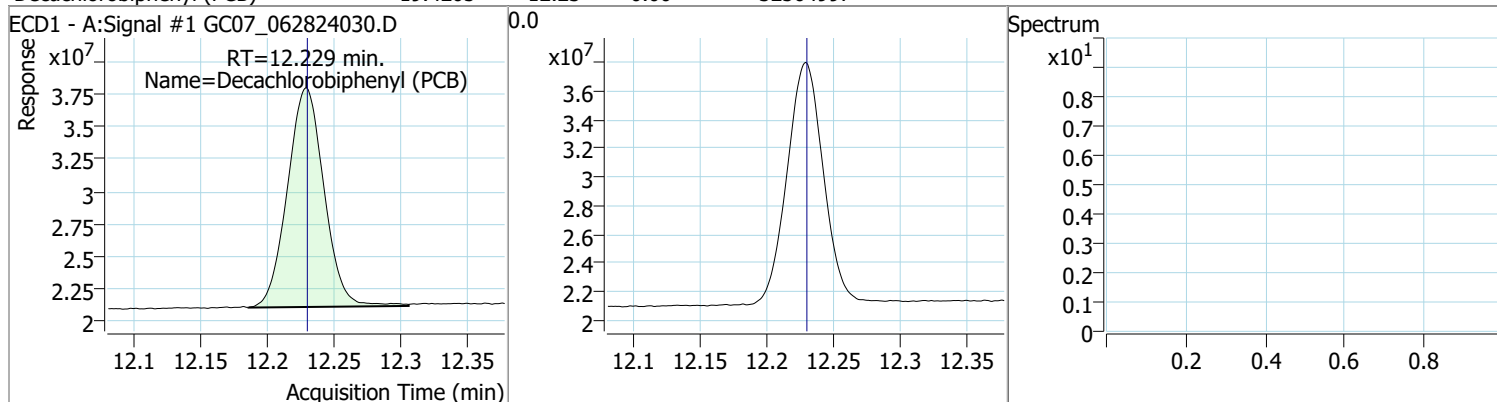
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	463.3839	11.17	0.00	10737658				



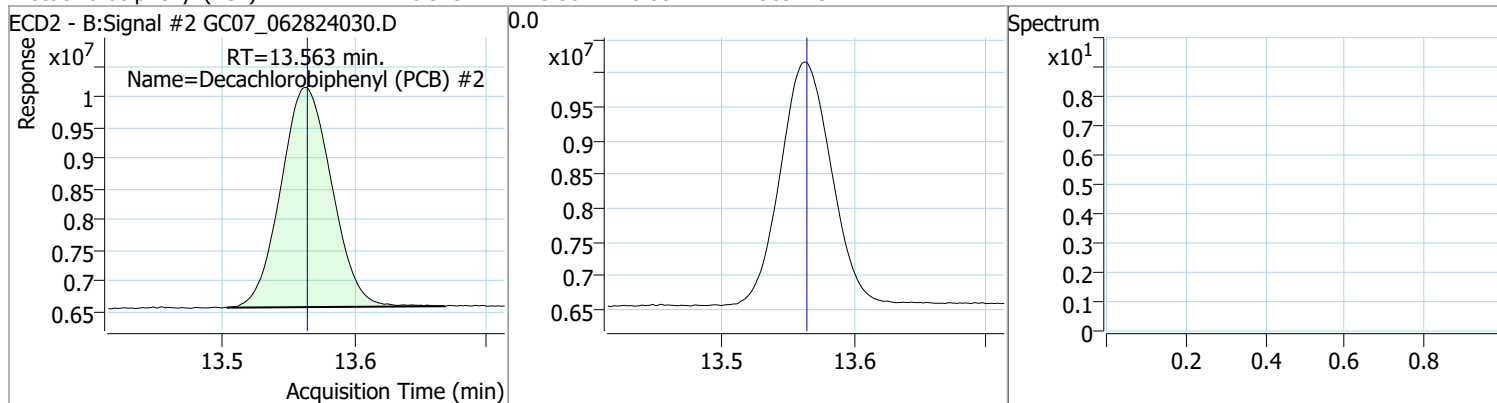
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	434.8618	11.87	0.00	14959701				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.4205	12.23	0.00	32564997				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9734	13.56	0.00	9597731				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 511603 PCBS Wipe
EPA 8082

Inst: SVOA-GC07	IDF: 1.0
Seqnum: 464275615029	File: gc07_070924029
Cal: 464259633001	Time: 09-JUL-2024 17:56
Caldate: 28-JUN-2024	

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	494.8	ug/L	-1	15	0.0000	
Aroclor-1260	A			500.0	490.2	ug/L	-2	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	0.9895	40.00	35.89	pg/uL	-10	15	0.0000	
TCMX (PCB)	A	0.9369	0.8600	40.00	36.72	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	494.1	ug/L	-1	15	0.0000	
Aroclor-1260	B			500.0	461.1	ug/L	-8	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	0.9722	40.00	35.59	pg/uL	-11	15	0.0000	
TCMX (PCB)	B	0.9593	0.9091	40.00	37.91	pg/uL	-5	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	7213121	-10.29
1-bromo-2-nitrobenzene (PCB)	A	28707643	26536532	-7.56

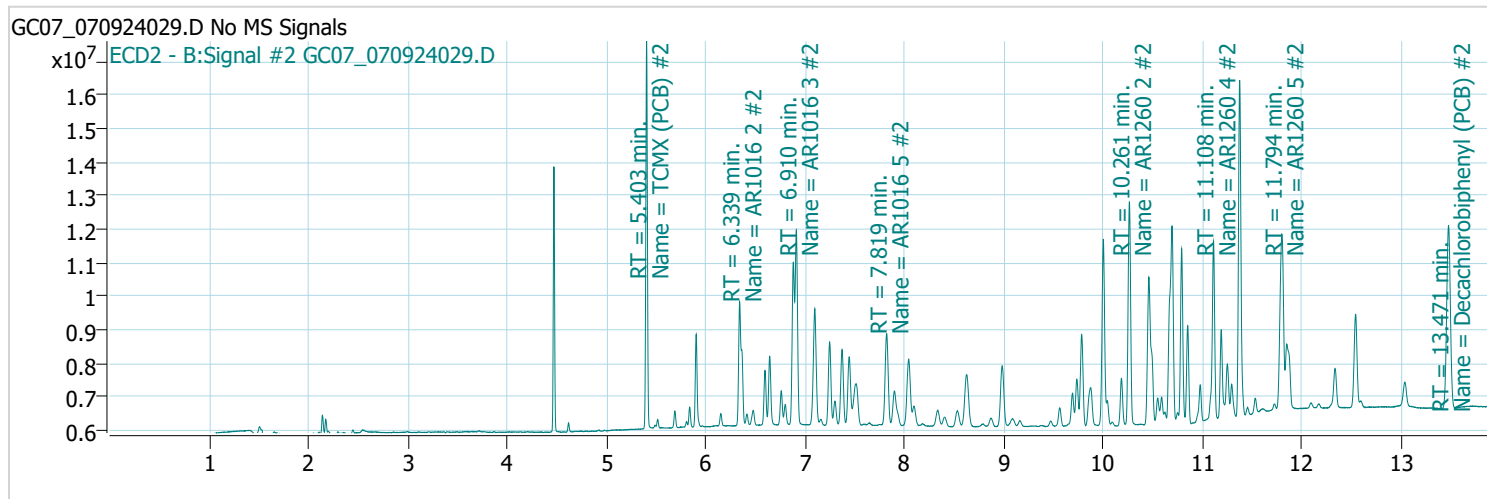
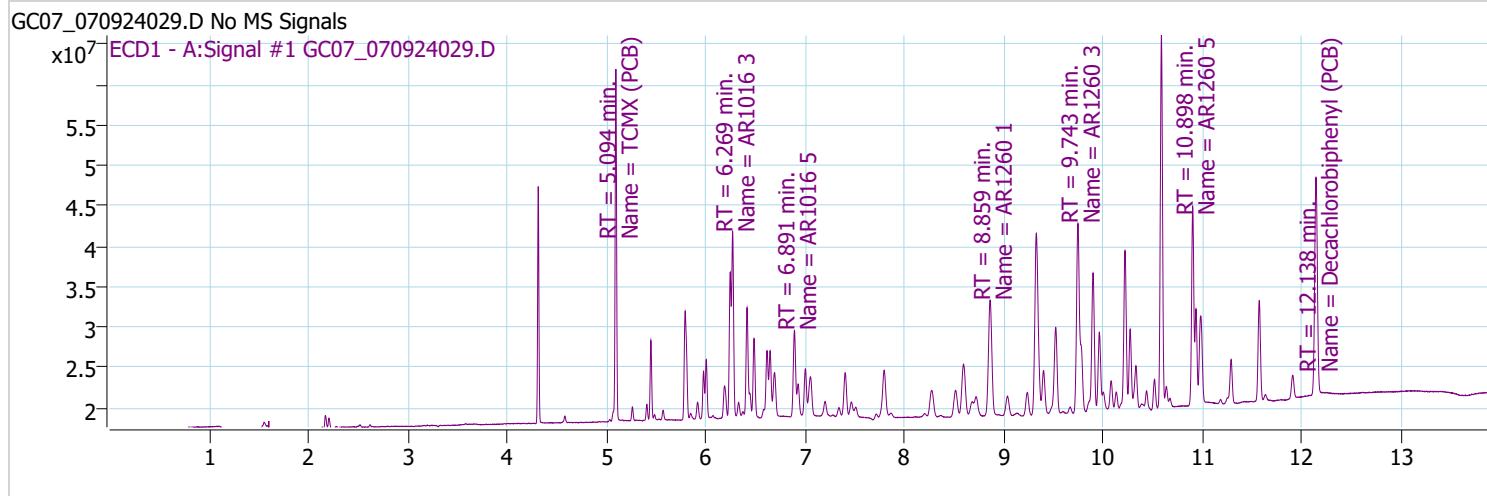
07/09/24 : 500 PPB PCB CCV

Analyst: MES 07/10/24

Reviewer: MTS 07/10/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_070924029.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/9/2024 5:56:11 PM
Sample Name	CCV, S21104	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_07.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	070924-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.313	0.0	26536532.1 85	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.471	0.0	7213121.47 3	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.094	0.0	45641743.4 59	36.7164	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.58%	*	
S TCMX (PCB) #2	5.403	0.0	13115185.5 89	37.9076	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.54%	*	
S Decachlorobiphenyl (PCB)	12.138	0.0	52514963.4 98	35.8936	ng/ml	-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.47%	*	
S Decachlorobiphenyl (PCB) #2	13.471	0.0	14025569.5 62	35.5931	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.97%	*	

Target Compounds

QValue

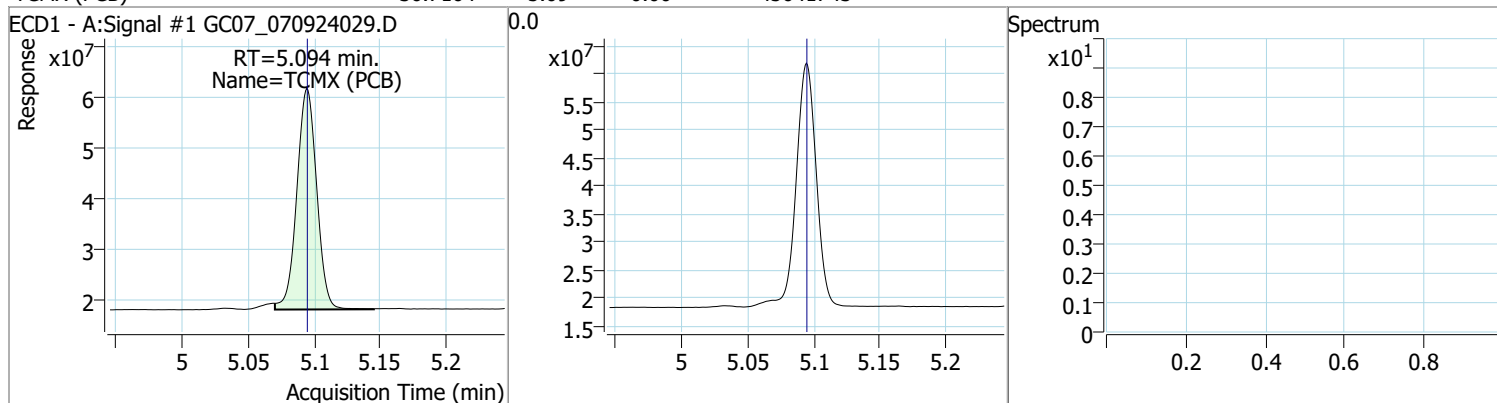
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.447	0.0	10959935.7 74	472.5036	ng/ml	100
T AR1016 2	5.792	0.0	23058636.2 79	478.5283	ng/ml	100
T AR1016 1 #2	5.903	0.0	3640926.72 5	478.0627	ng/ml	100
T AR1016 3	6.269	0.0	31079492.5 54	543.8907	ng/ml	100
T AR1016 2 #2	6.339	0.0	7895154.99 4	501.7521	ng/ml	100
T AR1016 4	6.414	0.0	19527041.4 41	484.2921	ng/ml	100
T AR1016 5	6.891	0.0	17532442.6 24	494.6769	ng/ml	100
T AR1016 3 #2	6.910	0.0	9708920.76 6	494.7238	ng/ml	100
T AR1016 4 #2	7.096	0.0	7094818.81 0	489.0478	ng/ml	100
T AR1016 5 #2	7.819	0.0	5947507.76 4	506.8884	ng/ml	100
T AR1260 1	8.859	0.0	34498409.5 50	485.3263	ng/ml	100
T AR1260 2	9.324	0.0	53297366.2 47	490.9299	ng/ml	100
T AR1260 3	9.743	0.0	58892458.9 92	504.1757	ng/ml	100
T AR1260 1 #2	9.999	0.0	10193017.2 79	488.4480	ng/ml	100
T AR1260 4	10.217	0.0	33617914.1 49	497.8105	ng/ml	100
T AR1260 2 #2	10.261	0.0	11938537.7 17	455.3916	ng/ml	100
T AR1260 3 #2	10.690	0.0	14465742.5 75	458.4132	ng/ml	100
T AR1260 5	10.898	0.0	38238294.2 11	472.8573	ng/ml	100
T AR1260 4 #2	11.108	0.0	9209174.24 4	461.5265	ng/ml	100
T AR1260 5 #2	11.794	0.0	13089685.4 95	441.8778	ng/ml	100

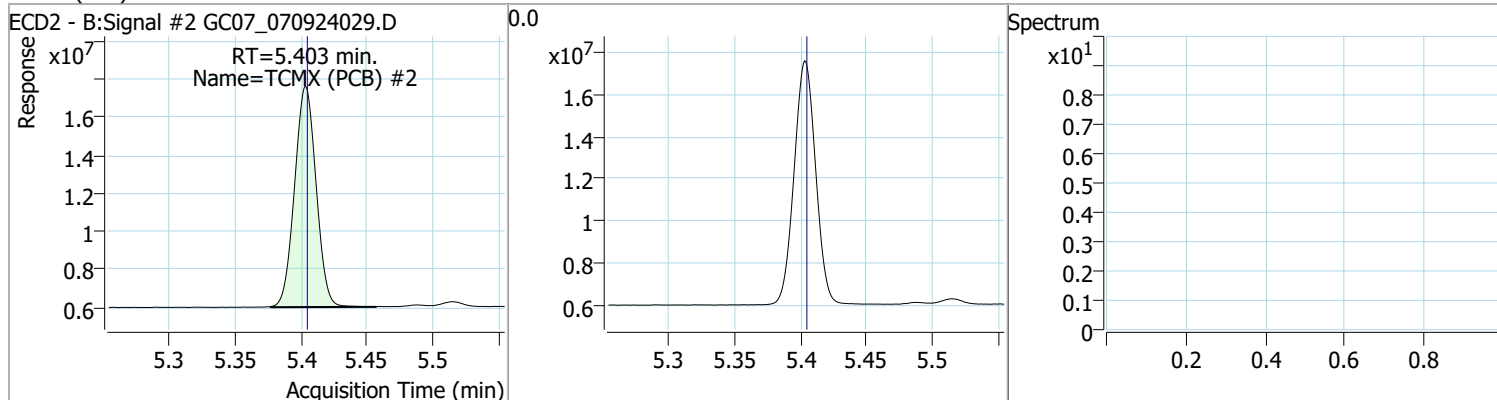
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

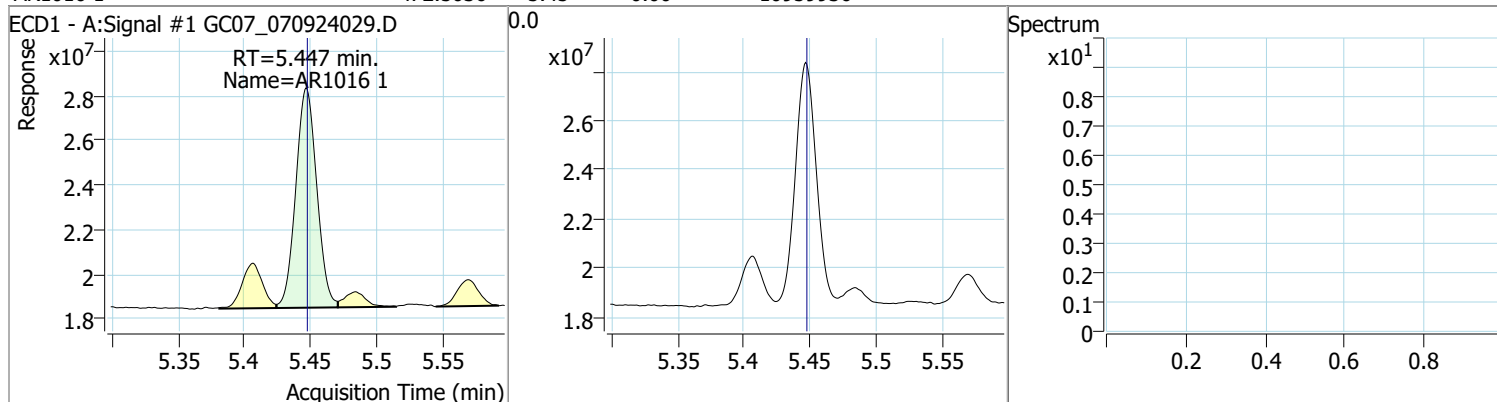
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.7164	5.09	0.00	45641743				



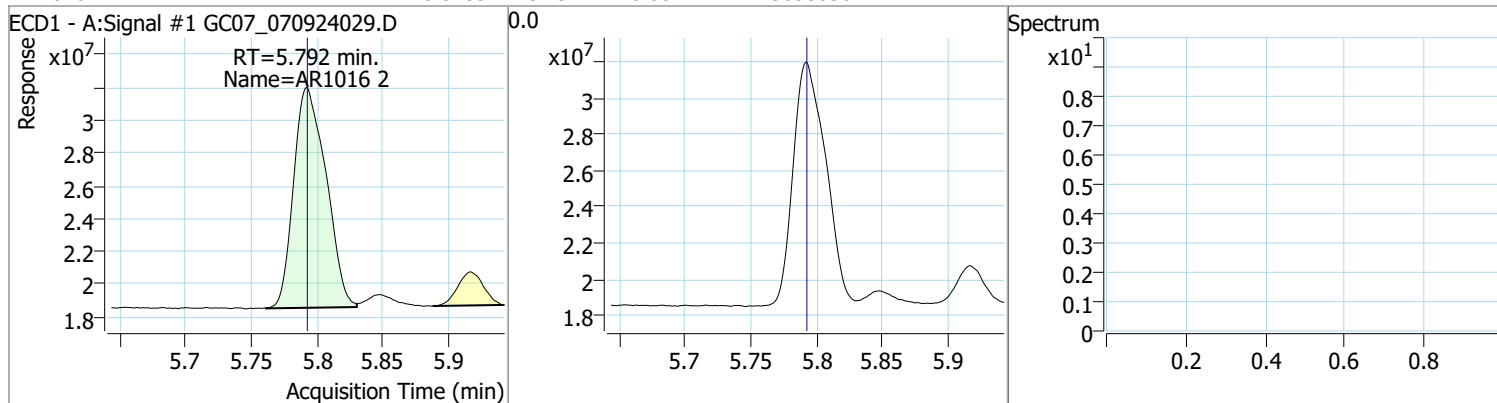
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.9076	5.40	0.00	13115186				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	472.5036	5.45	0.00	10959936				

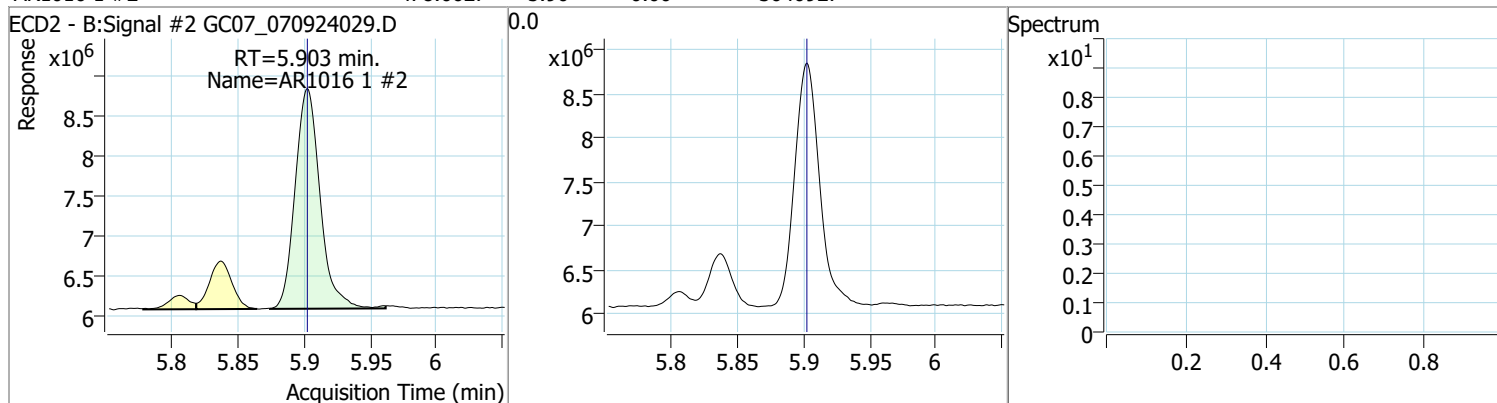


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	478.5283	5.79	0.00	23058636				

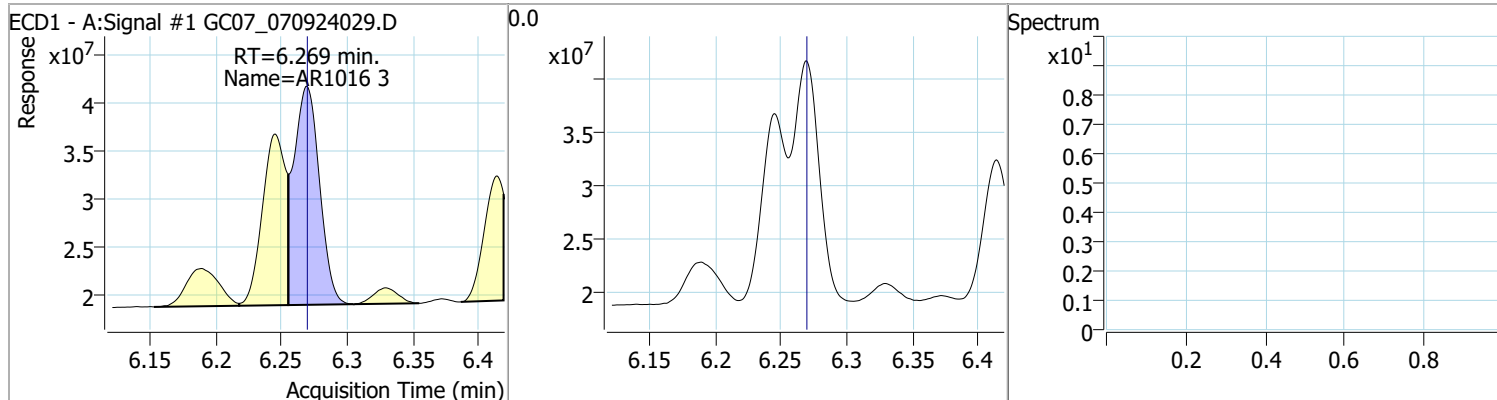


Quantitation Results Report (Not Reviewed)

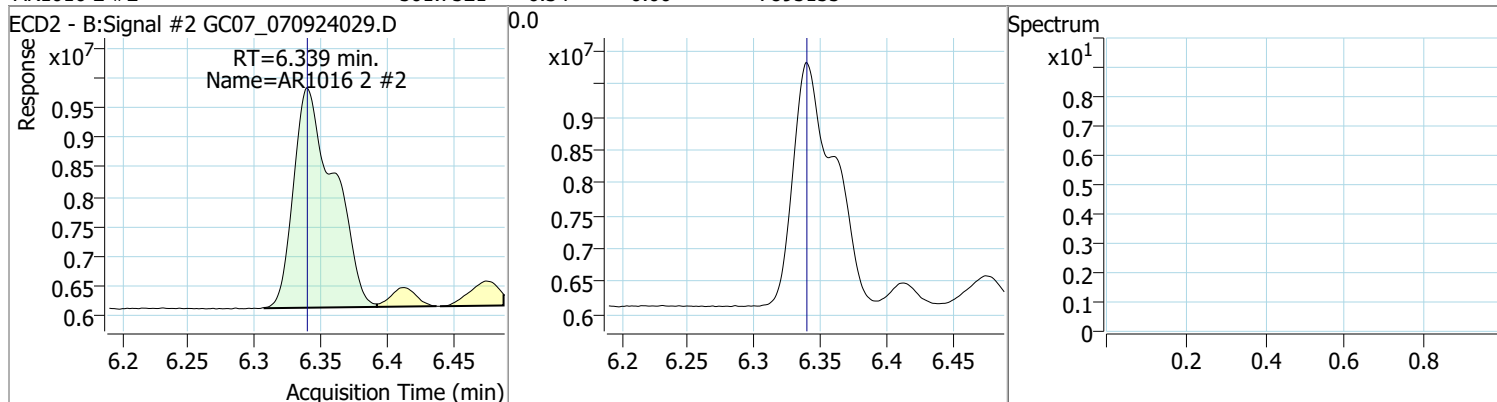
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	478.0627	5.90	0.00	3640927				



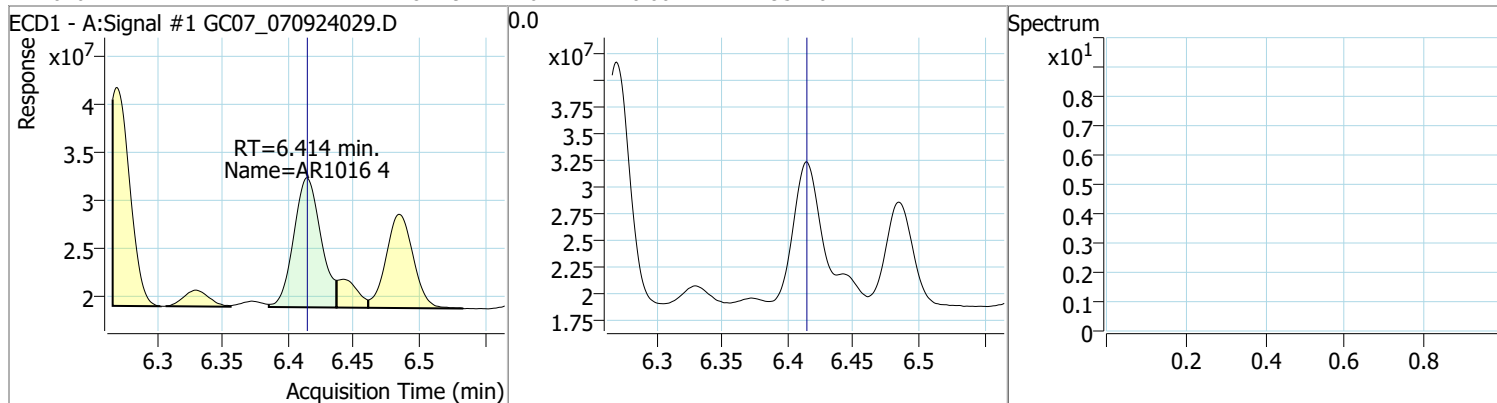
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	543.8907	6.27	0.00	31079493				



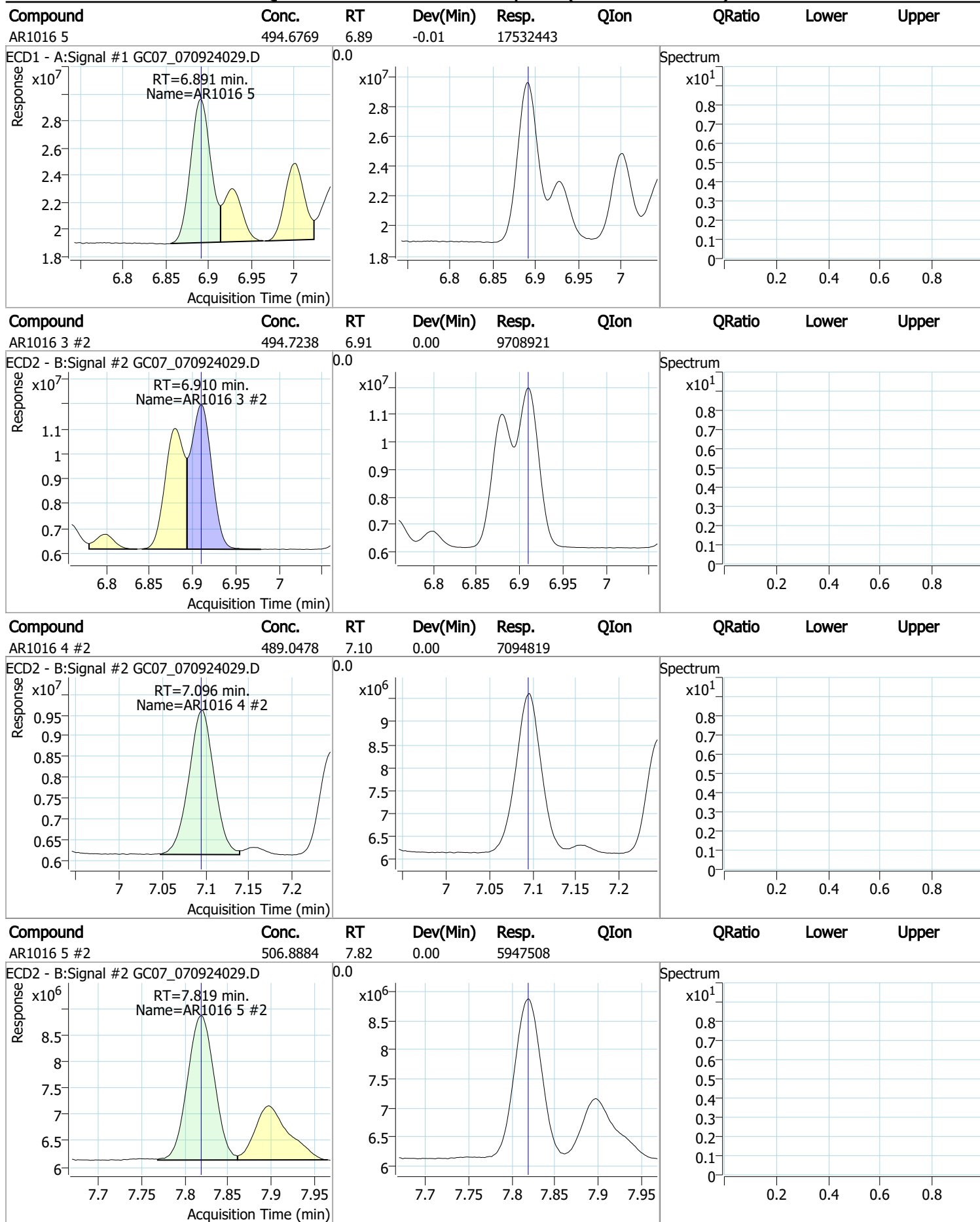
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	501.7521	6.34	0.00	7895155				



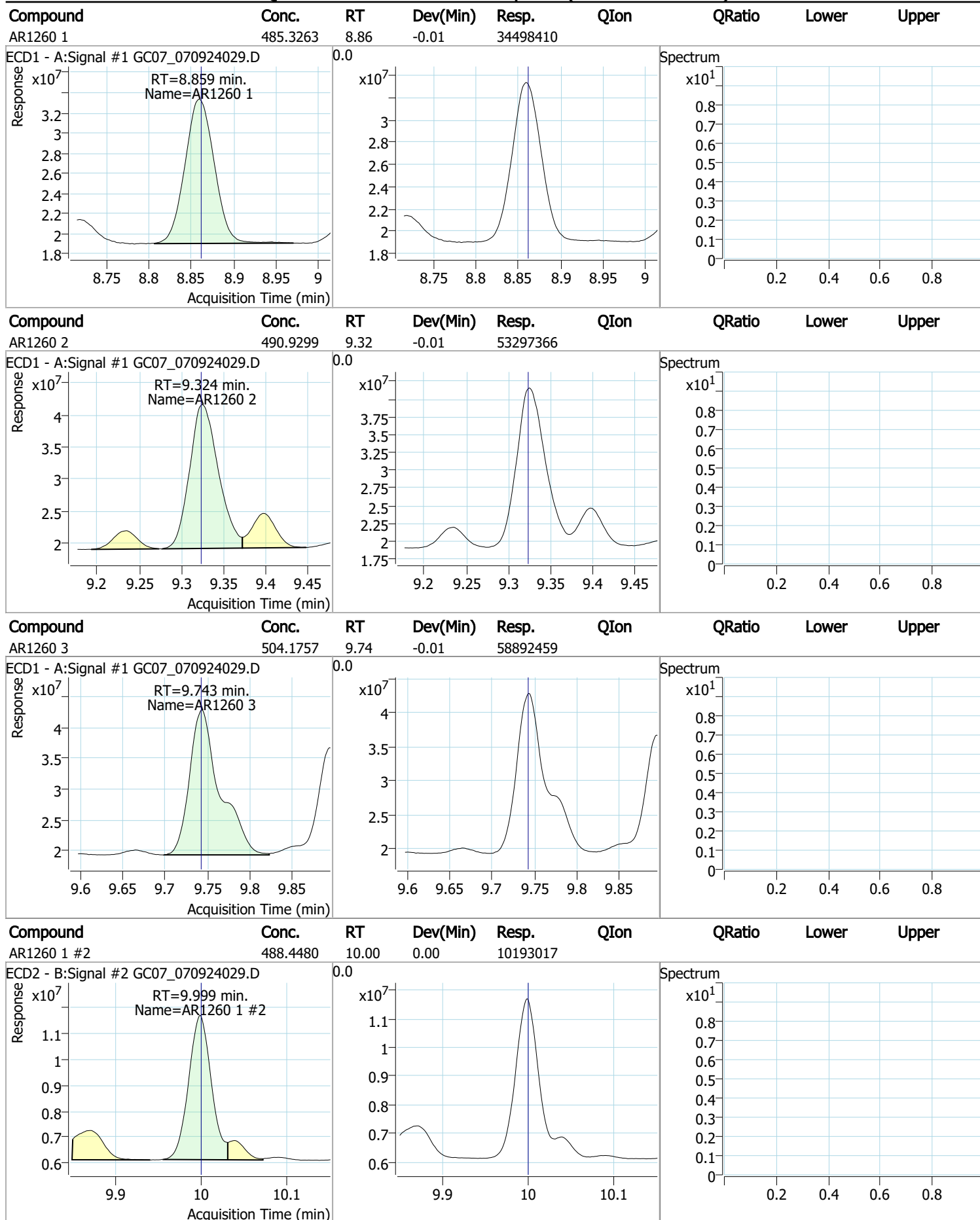
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	484.2921	6.41	0.00	19527041				



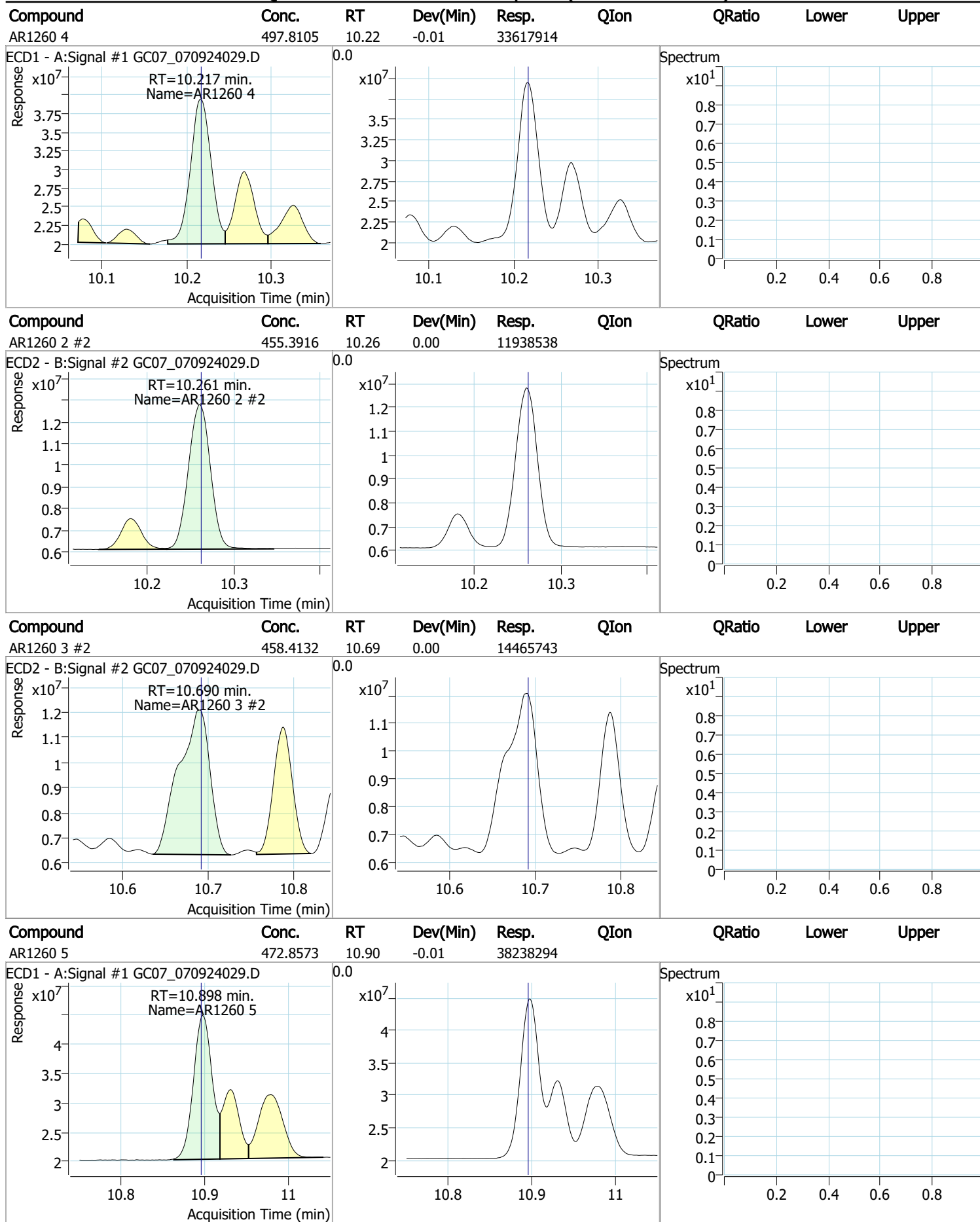
Quantitation Results Report (Not Reviewed)



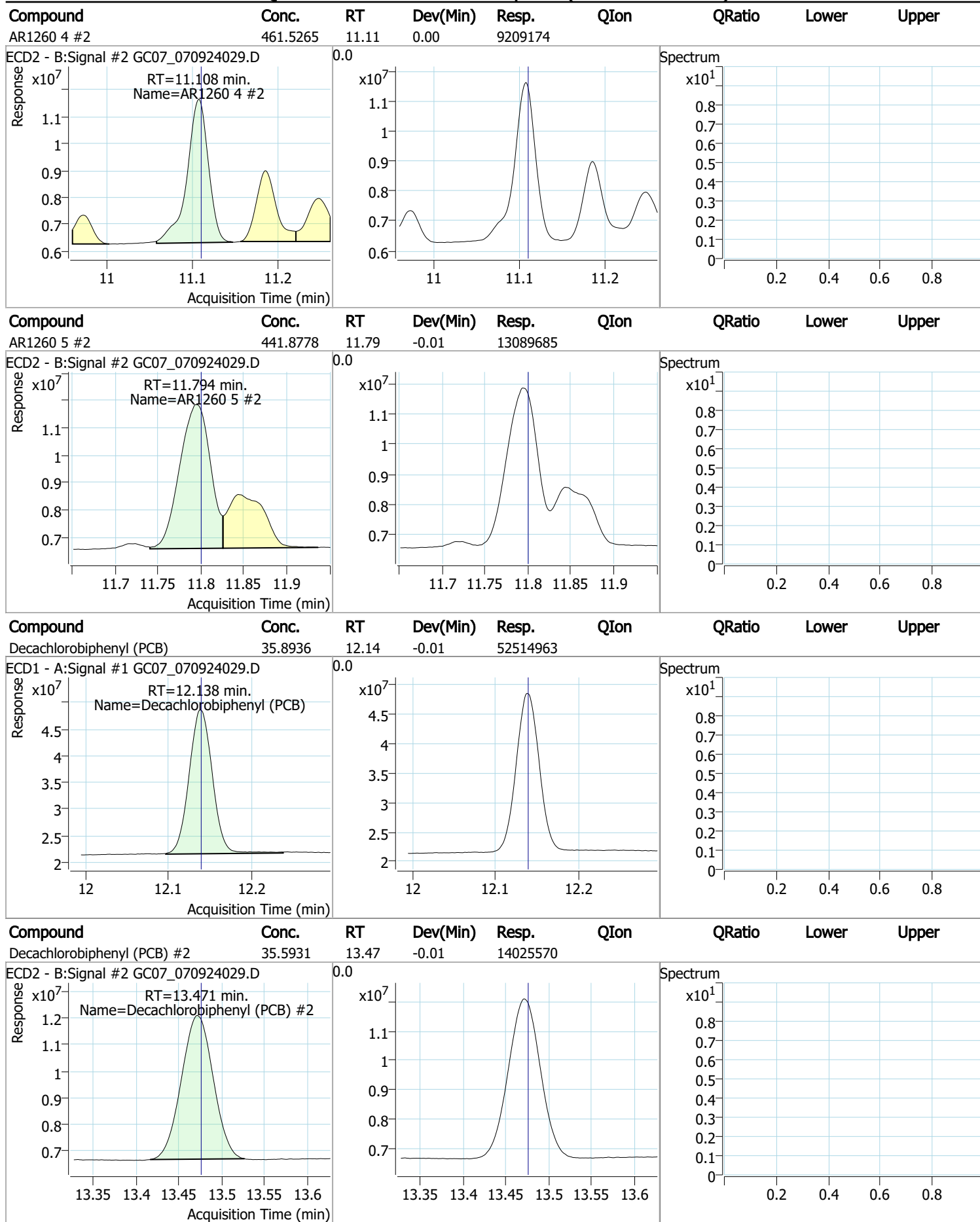
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)





Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 512354
Report Level : II
Report Date : 07/22/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

Miguel Gamboa, Project Coordinator
miguel.gamboa@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 512354
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/18/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.1GW-DG-6 TO 19-240718-L-LA	512354-001	07/18/24 08:30	Wipe
DOOR-S-15.2GW-PS-19-240718-L-G	512354-002	07/18/24 08:40	Wipe
DOOR-S-15.6GW-INT-17 TO 18-240718-L-CB	512354-003	07/18/24 08:50	Wipe
240718-L-FIELDBLANK1-LO	512354-004	07/18/24 07:22	Wipe
240718-L-MEDBLANK1-LO	512354-005	07/18/24 11:35	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 512354
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 07/18/24

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 07/19/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

512354

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		COC ID:		Standard:	
Page:		1 of		3 Day:	
Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other		Sample Receipt Temp: 40 (lab use only)	
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request	
Company:	Rincon Consultants, Inc.	Quote #:	RINC31721	Confirmation Wipe Samples - Level II Report/Stage 2A Validation	
Report To:	Lindsay Parker	Prof. Name:	Hanger 1 - MCTRA WP	Report lead concentrations on a µg/lit basis standard Aroclors	
Email:	lparker@rinconconsultants.com	Prof. #:	20-10491	Wipe samples collected from Zone 8 Enclosure C (Low Occupancy)	
Address:	449 15th Street, Suite 303 Oakland, California 94612	P.O. #:		2 x RNC 1 = 0.0736472 6 x RNC 1 = 0.0803472	
Phone:	(651) 890-9556	Address:	158 Cody Road, Mountain View, CA		
Fax:		Global ID:			
		Sampled By:	M. Kim		
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 DOOR-S-15-1GW-DG-6 TO 19-240718-L-LA	7/18/2024	0830	WP	1	--
2 DOOR-S-15-2GW-PS-19-240718-L-G	7/18/2024	0840	WP	1	--
3 DOOR-S-15-6GW-INT-17 TO 18-240718-L-CB	7/18/2024	0850	WP	1	--
4 240718-L-FIELDBLANK1-L-O	7/18/2024	0922	WP	1	--
5 240718-L-MEDBLANK1-L-O	7/18/2024	1135	WP	1	X
6 DOOR-S-15-1GW-PS-19-240718-L-G	7/18/2024		WP	1	X
7					
8					
9					
10					
11					
12					
13					
14					
15					
Signature		Print Name		Company / Title	
1 Relinquished By:	<i>[Signature]</i>	David W. Hanger		Rincon Consultants, Inc.	
1 Received By:	<i>[Signature]</i>	Lindsay Parker		ENTHALPY	
2 Relinquished By:	<i>[Signature]</i>	M. Kim		EA	
2 Received By:	<i>[Signature]</i>	Lindsay Parker		EA	
3 Relinquished By:	<i>[Signature]</i>	M. Kim		EA	
3 Received By:	<i>[Signature]</i>	Lindsay Parker		EA	
Date / Time		Date / Time		Date / Time	
7/18/24 14:50		7/18/24 14:50		7/18/24 16:47	
7/18/24 16:47		7/18/24 16:47		7/18/24 16:47	
7/18/24 16:47		7/18/24 16:47		7/18/24 16:47	
7/18/24 16:47		7/18/24 16:47		7/18/24 16:47	
7/18/24 16:47		7/18/24 16:47		7/18/24 16:47	

ea
ENTHALPY
ANALYSIS

Section 1: General Info

Section 2: Shipping / Custody

Are custody seals present? ☒ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

Custody seals intact on arrival? ☐ Yes ☐ No ☒ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging

Important: Notify PM if temperature exceeds 6°C or arrive frozen

Date Opened 7/19/20 By (print) RM (sign) [Signature]

☒ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: 22 #2: 22 #3: 22 #4: 22 #5: 22 #6: 22

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

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

Are the samples appropriately preserved? (if yes, skip the rest of section 5)

Did any samples / containers require preservation upon receipt?

Did you document your preservative check in the bench book?

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____☐ HNO3 lot# _____ added to samples _____ Date/Time _____☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

Section 6: Explanations / Comments

Date Logged 7/18/24 By (print) amy (sign) [Signature]

Date Labeled 7/19/24 By (print) me (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 Consultants Project: Hangar 1 NTCRA
Date Received: 07/19/24 Sampler's Name Present: ☒ Yes ☐ No

Section 2
Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 4.0 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: _____

Section 3
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 4.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	☒	☐	☐
Are sample IDs present?	☒	☐	☐
Are sampling dates & times present?	☒	☐	☐
Is a relinquished signature present?	☒	☐	☐
Are the tests required clearly indicated on the COC?	☒	☐	☐
Are custody seals present?	☐	☒	☐
If custody seals are present, were they intact?	☐	☐	☒
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	☐	☐	☒
Did all samples arrive intact? If no, indicate in Section 4 below.	☒	☐	☐
Did all bottle labels agree with COC? (ID, dates and times)	☒	☐	☐
Were the samples collected in the correct containers for the required tests?	☒	☐	☐
Are the containers labeled with the correct preservatives?	☒	☐	☐
Is there headspace in the VOA vials greater than 5-6 mm in diameter?	☐	☐	☒
Was a sufficient amount of sample submitted for the requested tests?	☒	☐	☐

Section 5 Explanations/Comments
512354

Section 6
For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time: _____
☐ Email (email sent to/on): _____ / _____
Project Manager's response: _____

Completed By: J. Antigua Date: 07/19/24

SOUTHWEST AIRLINES

Printed on:
18 JUL 19:26

526 OAK 1528 9610



SNA

PC#
1 OF

5

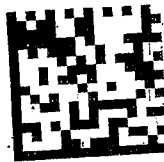
DG
G

(63.5 KG)

LOT WT
140 LB

OAK WN 941 19 JUL 06:20

STN FLT DATE ETD LOT 01



PC ID: 0001
PC WT: 28LB

526 15289610 0001

NFG

Lead

Lab #: 512354		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.1GW-DG-6 TO 19-240718-L-LA	Batch#: 345536	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 6010B	
Lab ID: 512354-001	Received: 07/18/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/19/24		
Diln Fac: 1.000	Analyzed: 07/19/24		
512354-001 Analyte		Result	RL Units
Lead		100	0.50 ug/ft2
Field ID: DOOR-S-15.2GW-PS-19-240718-L-G	Batch#: 345536	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 6010B	
Lab ID: 512354-002	Received: 07/18/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/19/24		
Diln Fac: 1.000	Analyzed: 07/19/24		
512354-002 Analyte		Result	RL Units
Lead		130	0.50 ug/ft2
Field ID: DOOR-S-15.6GW-INT-17 TO 18-240718-L-CB	Batch#: 345536	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 6010B	
Lab ID: 512354-003	Received: 07/18/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/19/24		
Diln Fac: 1.000	Analyzed: 07/19/24		
512354-003 Analyte		Result	RL Units
Lead		190	0.50 ug/ft2
Field ID: 240718-L-FIELDBLANK1-LO	Batch#: 345536	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 6010B	
Lab ID: 512354-004	Received: 07/18/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/19/24		
Diln Fac: 1.000	Analyzed: 07/19/24		
512354-004 Analyte		Result	RL Units
Lead		3.4	0.50 ug/ft2
Field ID: 240718-L-MEDBLANK1-LO	Batch#: 345536	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 6010B	
Lab ID: 512354-005	Received: 07/18/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/19/24		
Diln Fac: 1.000	Analyzed: 07/19/24		
512354-005 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2

Lead

Lab #: 512354		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Type: BLANK	Batch#: 345536	Analysis: EPA 6010B	
Lab ID: QC1170886	Prepared: 07/19/24	Analyst: SBW	
Matrix: Wipe	Analyzed: 07/19/24		
Diln Fac: 1.000	Prep: EPA 3050B		

QC1170886 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 512354

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1170887

Matrix: Wipe

Diln Fac: 1.000

Batch#: 345536

Prepared: 07/19/24

Analyzed: 07/19/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1170887 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.46	107	80-120	ug/ft2

Type: BSD

Lab ID: QC1170888

Matrix: Wipe

Diln Fac: 1.000

Batch#: 345536

Prepared: 07/19/24

Analyzed: 07/19/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1170888 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	49.49	99	80-120	ug/ft2	8	20

Legend

RPD: Relative Percent
Difference



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 512355
Report Level : IV
Report Date : 07/26/2024

PCBs

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 512355
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/18/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.5GW-PS-21-240718-P-G	512355-001	07/18/24 07:30	Wipe
ARCH-SGW-DG-5.5 TO 17-240718-P-LA	512355-003	07/18/24 07:40	Wipe
DOOR-S-15.3GW-DG-7 TO 20-240718-P-LA	512355-005	07/18/24 08:00	Wipe
DOOR-S-15.4GW-PS-20-240718-P-G	512355-008	07/18/24 08:10	Wipe
DOOR-S-15.3GW-INT-19 TO 20-240718-P-CB	512355-010	07/18/24 08:20	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 512355
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 07/18/24

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 07/19/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

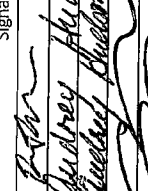
PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

512355

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange		COC ID:		Standard: X (PCBs) 5 Day: 1 Day: X (PB) 3 Day: custom TAT:			
931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Page: 1 of 1		Sample Receipt Temp: 60 (lab use only)			
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: Address: 158 Cody Road, Mountain View, CA Global ID: Sampled By: M. Kim		Analysis Request Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Test Instructions / Comments Confirmation: Wine Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/t2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 8 Enclosure C (Low Occupancy)	
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B
1 DOOR-S-15 SGW-PS-21-240718-P-G	7/18/2024	0730	WP	1	--	X	
2 DOOR-S-15 SGW-PS-21-240718-L-G	7/18/2024	0730	WP	1	--	X	
3 ARCH-SGW-DG-5.5 TO 17-240718-P-LA	7/18/2024	0740	WP	1	--	X	
4 ARCH-SGW-DG-5.5 TO 17-240718-L-LA	7/18/2024	0740	WP	1	--	X	
5 DOOR-S-15 3GW-DG-7 TO 20-240718-P-LA	7/18/2024	0800	WP	1	--	X	
6 DOOR-S-15 3GW-DG-7 TO 20-240718-L-LA	7/18/2024	0800	WP	1	--	X	
7 DOOR-S-15 3GW-DG-7 TO 20-240718-L-DUP-LA	7/18/2024	0800	WP	1	--	X	
8 DOOR-S-15 4GW-PS-20-240718-P-G	7/18/2024	0810	WP	1	--	X	
9 DOOR-S-15 4GW-PS-20-240718-L-G	7/18/2024	0810	WP	1	--	X	
10 DOOR-S-15 3GW-INT-19 TO 20-240718-P-CB	7/18/2024	0820	WP	1	--	X	
11 DOOR-S-15 3GW-INT-19 TO 20-240718-L-CB	7/18/2024	0820	WP	1	--	X	
12 DOOR-S-15 2GW-INT-20 TO 21-240718-P-CB	7/18/2024		WP	1	--	X	
13 DOOR-S-15 2GW-INT-20 TO 21-240718-L-CB	7/18/2024		WP	1	--	X	
14							
15							

Relinquished By:	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Wulsh	Rincon / Env. Scientist	7/18/24 1450
2 Received By:		Audrey Hudson	ENTHALPY "	7/18/24 1450
3 Relinquished By:		Audrey Hudson	"	7/18/24 1647
4 Received By:		Raymond A. Go	ENK	7/18/24 1647
5 Relinquished By:		Raymond A. Go	ENK	7/18/24 1746
6 Received By:		G. Kim	EA	7/19/24 1746

SAMPLE RECEIPT CHECKLIST			
Section 1: General Info			
Date Received:	Login #	Client:	
Section 2: Shipping / Custody			
Shipping Info: _____			
Are custody seals present? ☒ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package			
Custody seals intact on arrival? ☐ Yes ☐ No ☒ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials			
Section 3: Condition / Packaging Important: Notify PM if temperature exceeds 6°C or arrive frozen			
Date Opened	By (print)	(sign)	
☒ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)			
If no cooler: Sample Temp (°C): _____			
How many coolers? <u>1</u> 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	By (print)	(sign)	
Date Labeled	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.



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA
Date Received: 07/19/24 Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 4.0 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 4.0 #2: _____ #3: _____ #4: _____

Section 4

	YES	NO	N/A
Was a COC received?	☒		
Are sample IDs present?	☒		
Are sampling dates & times present?	☒		
Is a relinquished signature present?	☒		
Are the tests required clearly indicated on the COC?	☒		
Are custody seals present?		☒	
If custody seals are present, were they intact?			☒
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			☒
Did all samples arrive intact? If no, indicate in Section 4 below.	☒		
Did all bottle labels agree with COC? (ID, dates and times)	☒		
Were the samples collected in the correct containers for the required tests?	☒		
Are the containers labeled with the correct preservatives?	☒		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			☒
Was a sufficient amount of sample submitted for the requested tests?	☒		

Section 5 Explanations/Comments

512355

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time: _____
☐ Email (email sent to/on): _____ / _____
Project Manager's response: _____

Completed By: J. Quintana Date: 07/19/24

SOUTHWEST AIRLINES

Printed on:
18 JUL 19:26

526 OAK 1528 9610



SNA

PC#
1 OF

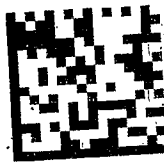
5

DG
G

LOT WT
140 LB
(63.5 KG)

OAK WN 941 19 JUL 06:20

STN FLT DATE ETD LOT 01



PC ID: 0001
PC WT: 28LB

526 15289610 0001

NFG

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 512355	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.5GW-PS-21-240718-P-G	Batch#: 345600	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 8082
Lab ID: 512355-001	Received: 07/18/24	Analyst: MES
Matrix: Wipe	Prepared: 07/20/24	
Diln Fac: 1.000	Analyzed: 07/22/24	

512355-001 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

512355-001 Surrogate	%REC	Limits
TCMX (PCB)	86	19-121
Decachlorobiphenyl (PCB)	102	19-121

Field ID: ARCH-SGW-DG-5.5 TO 17-240718-P-LA	Batch#: 345600	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 8082
Lab ID: 512355-003	Received: 07/18/24	Analyst: MES
Matrix: Wipe	Prepared: 07/20/24	
Diln Fac: 1.000	Analyzed: 07/22/24	

512355-003 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

512355-003 Surrogate	%REC	Limits
TCMX (PCB)	86	19-121
Decachlorobiphenyl (PCB)	93	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 512355	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.3GW-DG-7 TO 20-240718-P-LA	Batch#: 345600	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 8082
Lab ID: 512355-005	Received: 07/18/24	Analyst: MES
Matrix: Wipe	Prepared: 07/20/24	
Diln Fac: 1.000	Analyzed: 07/22/24	

512355-005 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

512355-005 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	86	19-121

Field ID: DOOR-S-15.4GW-PS-20-240718-P-G	Batch#: 345600	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 8082
Lab ID: 512355-008	Received: 07/18/24	Analyst: MES
Matrix: Wipe	Prepared: 07/20/24	
Diln Fac: 1.000	Analyzed: 07/22/24	

512355-008 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

512355-008 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	93	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 512355	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.3GW-INT-19 TO 20-240718-P-CB	Batch#: 345600	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 8082
Lab ID: 512355-010	Received: 07/18/24	Analyst: MES
Matrix: Wipe	Prepared: 07/20/24	
Diln Fac: 1.000	Analyzed: 07/22/24	

512355-010 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

512355-010 Surrogate	%REC	Limits
TCMX (PCB)	90	19-121
Decachlorobiphenyl (PCB)	101	19-121

Type: BLANK	Batch#: 345600	Analysis: EPA 8082
Lab ID: QC1171120	Prepared: 07/20/24	Analyst: MES
Matrix: Wipe	Analyzed: 07/22/24	
Diln Fac: 1.000	Prep: EPA 3546	

QC1171120 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1171120 Surrogate	%REC	Limits
TCMX (PCB)	87	19-121
Decachlorobiphenyl (PCB)	98	19-121

Legend

ND: Not Detected
RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 512355

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 345600

Analysis: EPA 8082

Lab ID: QC1171121

Prepared: 07/20/24

Analyst: MES

Matrix: Wipe

Analyzed: 07/22/24

Diln Fac: 1.000

Prep: EPA 3546

QC1171121 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.469	89	60-140	ug/100 cm2
Aroclor-1260	5.000	4.843	97	60-140	ug/100 cm2

QC1171121 Surrogate	%REC	Limits
TCMX (PCB)	87	19-121
Decachlorobiphenyl (PCB)	98	19-121

Type: BSD

Batch#: 345600

Analysis: EPA 8082

Lab ID: QC1171122

Prepared: 07/20/24

Analyst: MES

Matrix: Wipe

Analyzed: 07/22/24

Diln Fac: 1.000

Prep: EPA 3546

QC1171122 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.552	91	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	4.892	98	60-140	ug/100 cm2	1	20

QC1171122 Surrogate	%REC	Limits
TCMX (PCB)	91	19-121
Decachlorobiphenyl (PCB)	98	19-121

Legend

RPD: Relative Percent
Difference

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r ²	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
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Where the X-Axis holds the (A)mount: Instrument response = $a0 + (\text{amount} \times a1) + (\text{amount}^2 \times a2)$ (invert equation before quantitating)

Where the X-Axis holds the (R)esponse: Instrument amount = $a0 + (\text{response} \times a1) + (\text{response}^2 \times a2)$

AVRG: Average response factor

QUAD: Quadratic regression

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	10.000	16	20.000	36	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	-21	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	38	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	22	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	24	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	21	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	-21
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	-21		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 512355 PCBS Wipe
EPA 8082

Inst: SVOA-GC07	Name: PCB_ICAL_062824
Calnum: 464259633001	Cal Date: 28-JUN-2024

• ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

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Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

Inst: SVOA-GC07	IDF: 1.0
Seqnum: 464294361004	File: gc07_072224004
Cal: 464259633001	Time: 22-JUL-2024 10:36
Caldate: 28-JUN-2024	

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	492.2	ug/L	-2	15	0.0000	
Aroclor-1260	A			500.0	543.9	ug/L	9	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	1.2030	40.00	43.64	pg/uL	9	15	0.0000	
TCMX (PCB)	A	0.9369	0.8646	40.00	36.91	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	517.6	ug/L	4	15	0.0000	
Aroclor-1260	B			500.0	547.6	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	1.2981	40.00	47.52	pg/uL	19	15	0.0000	c+
TCMX (PCB)	B	0.9593	0.9520	40.00	39.70	pg/uL	-1	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	10965763	36.38
1-bromo-2-nitrobenzene (PCB)	A	28707643	47936344	66.98

07/22/24 : 500 PPB PCB CCV

MES 07/23/24 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

MES 07/23/24 [Aroclor-1260 B]: Corrected automatically drawn baseline for Ch. B.

+ = high bias c = CCV

Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

Date: 07/22/24 Sequence: SVOA-GC07 gc07_072224			Reference: gc07_062824021 Analyzed: 06/28/24 13:21	
#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8040733	28707643
		LOWER LIMIT	4020367	14353822
		UPPER LIMIT	16081466	57415286
004	CCV		10965763	47936344
033	CCV		11046426	49318701

Date: 07/22/24
Sequence: SVOA-GC07 gc07_072224

Reference: gc07_072224004
Analyzed: 07/22/24 10:36

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	10965763	47936344
		LOWER LIMIT	5482882	23968172
		UPPER LIMIT	21931526	95872688
011	BLANK	QC1171103	10993818	47241477
011	BLANK	QC1171103	10993818	47241477
014	BS	QC1171106	11715009	49977870
015	BSD	QC1171107	9846521	42554650
016	SAMPLE	512416-002	13268252	75861436
016	SAMPLE	512416-002	13268252	75861436
017	BLANK	QC1171120	10997148	47430459
018	BS	QC1171121	11242878	49330290
019	BSD	QC1171122	10700703	44795891
020	SAMPLE	512355-001	10789429	48164523
021	SAMPLE	512355-003	10973397	47657354
022	SAMPLE	512355-005	10743698	45484925
023	SAMPLE	512355-008	10161390	45982133
024	SAMPLE	512355-010	8848074	39174748
025	SAMPLE	512356-001	10380926	45795788
026	SAMPLE	512356-004	10421978	43549776
027	SAMPLE	512356-006	10399913	43917047
028	SAMPLE	512356-008	10205136	44684456
029	SAMPLE	512356-009	10318117	44285587

Date: 07/22/24
Sequence: SVOA-GC07 gc07_072224

Reference: gc07_072224004
Analyzed: 07/22/24 10:36

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.44	4.29
		LOWER LIMIT	4.24	4.09
		UPPER LIMIT	4.64	4.49
011	BLANK	QC1171103	4.44	4.29
014	BS	QC1171106	4.44	4.29
015	BSD	QC1171107	4.44	4.29
016	SAMPLE	512416-002	4.44	4.29
017	BLANK	QC1171120	4.44	4.29
018	BS	QC1171121	4.44	4.29
019	BSD	QC1171122	4.44	4.29
020	SAMPLE	512355-001	4.44	4.29
021	SAMPLE	512355-003	4.44	4.29
022	SAMPLE	512355-005	4.44	4.29
023	SAMPLE	512355-008	4.44	4.29
024	SAMPLE	512355-010	4.44	4.29
025	SAMPLE	512356-001	4.44	4.29
026	SAMPLE	512356-004	4.44	4.29
027	SAMPLE	512356-006	4.44	4.29
028	SAMPLE	512356-008	4.44	4.29
029	SAMPLE	512356-009	4.44	4.29

Date: 07/22/24
Sequence: SVOA-GC07 gc07_072224

Reference: gc07_072224009
Analyzed: 07/22/24 12:04

#	Type	Sample ID	1BR2NITROBZ1248	1BR2NITROBZ1248
			A	B
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV	55767030	12686726
		STD		
		LOWER LIMIT	27883515	6343363
		UPPER LIMIT	111534059	25373451
011	BLANK	QC1171103		
011	BLANK	QC1171103		
016	SAMPLE	512416-002		
016	SAMPLE	512416-002		
017	BLANK	QC1171120		
020	SAMPLE	512355-001		
021	SAMPLE	512355-003		
022	SAMPLE	512355-005		
023	SAMPLE	512355-008		
024	SAMPLE	512355-010		
025	SAMPLE	512356-001		
026	SAMPLE	512356-004		
027	SAMPLE	512356-006		
028	SAMPLE	512356-008		
029	SAMPLE	512356-009		

Date: 07/22/24
Sequence: SVOA-GC07 gc07_072224

Reference: gc07_072224009
Analyzed: 07/22/24 12:04

#	Type	Sample ID	1BR2NITROBZ1248	1BR2NITROBZ1248
			A RT	B RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.29	4.44
		LOWER LIMIT	4.09	4.24
		UPPER LIMIT	4.49	4.64
011	BLANK	QC1171103		
016	SAMPLE	512416-002		
017	BLANK	QC1171120		
020	SAMPLE	512355-001		
021	SAMPLE	512355-003		
022	SAMPLE	512355-005		
023	SAMPLE	512355-008		
024	SAMPLE	512355-010		
025	SAMPLE	512356-001		
026	SAMPLE	512356-004		
027	SAMPLE	512356-006		
028	SAMPLE	512356-008		
029	SAMPLE	512356-009		

Instrument: SVOA-GC07

Begun: 06/28/24 07:13

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062824002	PEM				06/28/24 07:13	1.0	1	
003	gc07_062824003	CCV				06/28/24 07:34	1.0	2	ac
004	gc07_062824004	CCV				06/28/24 07:55	1.0	3	
005	gc07_062824005	CCV				06/28/24 08:25	1.0	2	
006	gc07_062824006	CCV				06/28/24 08:46	1.0	3	
019	gc07_062824019	ICAL				06/28/24 12:46	1.0	4	
020	gc07_062824020	ICAL				06/28/24 13:03	1.0	5	
021	gc07_062824021	ICAL				06/28/24 13:21	1.0	6	
022	gc07_062824022	ICAL				06/28/24 13:38	1.0	7	
023	gc07_062824023	ICAL				06/28/24 13:56	1.0	8	
024	gc07_062824024	ICAL				06/28/24 14:13	1.0	9	
025	gc07_062824025	ICAL				06/28/24 14:30	1.0	10	
026	gc07_062824026	ICAL				06/28/24 14:48	1.0	11	
027	gc07_062824027	ICAL				06/28/24 15:05	1.0	12	
028	gc07_062824028	ICAL				06/28/24 15:22	1.0	13	
030	gc07_062824030	ICV				06/28/24 15:57	1.0	14	

KLR 06/28/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 30.

ac=average CCV drift out

Standards Used:

1=S20775 2=S20879 3=S20894 4=S20882 5=S20883 6=S20884 7=S20885 8=S20886 9=S20887 10=S20888 11=S20889 12=S20890 13=S20891 14=S20893

Instrument: SVOA-GC07
Method: EPA 8081A, EPA 8082

Begun: 07/22/24 10:01

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
002	gc07_072224002	PEM				07/22/24 10:01	1.0	1	
003	gc07_072224003	CCV				07/22/24 10:19	1.0	2	
004	gc07_072224004	CCV				07/22/24 10:36	1.0	3	
009	gc07_072224009	ICAL				07/22/24 12:04	1.0	4	
011	gc07_072224011	BLANK	QC1171103	Water	345597	07/22/24 12:39	1.0	5	
012	gc07_072224012	BS	QC1171104	Water	345597	07/22/24 12:57	1.0	5	
013	gc07_072224013	BSD	QC1171105	Water	345597	07/22/24 13:14	1.0	5	
014	gc07_072224014	BS	QC1171106	Water	345597	07/22/24 13:32	1.0	5	
015	gc07_072224015	BSD	QC1171107	Water	345597	07/22/24 13:50	1.0	5	
016	gc07_072224016	SAMPLE	512416-002	Water	345597	07/22/24 14:07	1.0	5	1:GCHLORDANE=620
017	gc07_072224017	BLANK	QC1171120	Wipe	345600	07/22/24 14:25	1.0	5	
018	gc07_072224018	BS	QC1171121	Wipe	345600	07/22/24 14:42	1.0	5	
019	gc07_072224019	BSD	QC1171122	Wipe	345600	07/22/24 15:00	1.0	5	
020	gc07_072224020	SAMPLE	512355-001	Wipe	345600	07/22/24 15:17	1.0	5	
021	gc07_072224021	SAMPLE	512355-003	Wipe	345600	07/22/24 15:35	1.0	5	
022	gc07_072224022	SAMPLE	512355-005	Wipe	345600	07/22/24 15:52	1.0	5	
023	gc07_072224023	SAMPLE	512355-008	Wipe	345600	07/22/24 16:10	1.0	5	
024	gc07_072224024	SAMPLE	512355-010	Wipe	345600	07/22/24 16:27	1.0	5	
025	gc07_072224025	SAMPLE	512356-001	Wipe	345600	07/22/24 16:45	1.0	5	
026	gc07_072224026	SAMPLE	512356-004	Wipe	345600	07/22/24 17:02	1.0	5	
027	gc07_072224027	SAMPLE	512356-006	Wipe	345600	07/22/24 17:20	1.0	5	
028	gc07_072224028	SAMPLE	512356-008	Wipe	345600	07/22/24 17:37	1.0	5	
029	gc07_072224029	SAMPLE	512356-009	Wipe	345600	07/22/24 17:55	1.0	5	
031	gc07_072224031	PEM				07/22/24 18:30	1.0	1	
032	gc07_072224032	CCV				07/22/24 18:47	1.0	2	
033	gc07_072224033	CCV				07/22/24 19:05	1.0	3	
034	gc07_072224034	ICAL				07/22/24 19:23	1.0	6	
036	gc07_072224036	ICAL				07/22/24 19:58	1.0	7	
037	gc07_072224037	ICAL				07/22/24 20:20	1.0	8	

Instrument: SVOA-GC07
Method: EPA 8081A, EPA 8082

Begun: 07/22/24 10:01

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
038	gc07_072224038	ICAL				07/22/24 20:38	1.0	4	
040	gc07_072224040	SAMPLE	512356-011	Wipe	345600	07/22/24 21:13	1.0	5	
041	gc07_072224041	SAMPLE	512356-013	Wipe	345600	07/22/24 21:30	1.0	5	
042	gc07_072224042	BLANK	QC1171153	Soil	345610	07/22/24 21:48	1.0	5	
043	gc07_072224043	LCS	QC1171154	Soil	345610	07/22/24 22:05	1.0	5	
044	gc07_072224044	MS	QC1171155	Soil	345610	07/22/24 22:23	1.0	5	
045	gc07_072224045	MSD	QC1171156	Soil	345610	07/22/24 22:40	1.0	5	
046	gc07_072224046	LCS	QC1171157	Soil	345610	07/22/24 22:58	1.0	5	
047	gc07_072224047	MS	QC1171158	Soil	345610	07/22/24 23:15	5.0	5	1:PCB1016#5=3800
048	gc07_072224048	MSD	QC1171159	Soil	345610	07/22/24 23:33	5.0	5	diluted (client history), 1:PCB1016#5=3800
049	gc07_072224049	BLANK	QC1171153	Soil	345610	07/22/24 23:50	1.0	5	
050	gc07_072224050	LCS	QC1171157	Soil	345610	07/23/24 00:08	1.0	5	
051	gc07_072224051	MSS	512343-001	Soil	345610	07/23/24 00:25	1.0	5	
052	gc07_072224052	MSS	512525-001	Soil	345610	07/23/24 00:42	5.0	5	diluted (client history), 2:PCB1016#5=3100
053	gc07_072224053	SAMPLE	512328-005	Soil	345610	07/23/24 01:00	1.0	5	
054	gc07_072224054	SAMPLE	512510-018	Soil	345610	07/23/24 01:17	5.0	5	
055	gc07_072224055	SAMPLE	512510-019	Soil	345610	07/23/24 01:35	5.0	5	
056	gc07_072224056	SAMPLE	512510-018	Soil	345610	07/23/24 01:52	2.0	5	
057	gc07_072224057	SAMPLE	512510-019	Soil	345610	07/23/24 02:10	2.0	5	
058	gc07_072224058	SAMPLE	512528-001	Soil	345610	07/23/24 02:27	1.0	5	

MES 07/23/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 58.

Standards Used:

1=S20775 2=S21103 3=S21104 4=S20683 5=S20106 6=S20753 7=S20681 8=S20682

SAMPLE PREPARATION SUMMARY

Batch #: 345600	Prep Date: 20-JUL-2024 13:02	Started By: KXL
Analysis: 8080	Method: 3546	Finished By: KXL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S21141	Spike S21137	Analysis
QC1171120 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1171121 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1171122 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
512355-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512355-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512355-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512355-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512355-010	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-006	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-009	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
512356-013	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE

Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

8081/8082/608.3 Prep Log

8081/8082/8083 Prep Log

Prep Method: 3746 Matrix: WIPES Date/Time: 07/20/24 13:02 Initials: KXL

Hotblock ID: N/A Therm Loc: N/A Therm ID/CF: N/A / N/A 608.3 QC Batch#: _____

Hotblock Temp (Obs/Corr), °C: N/A / N/A 8081 QC Batch #: _____

Balance ID: N/A Microdispenser ID: Syringe 8082 QC Batch #: 345600

Extraction Start Time*: 13:16 Extraction end time*: 14:01

* For hot block, microwave, shaker table

* For hot block, microwave, shaker table

[illegible]

Methylene Chloride Lot: N/A
Exchange Solvent (Hexane) ID: 82096
Acetone-Hexane Mix ID: WE-071524-001
Sodium Sulfate Lot: 232416
Baked Sand Lot: N/A

Surrogate ID:	521141	Volume:	500	µL
Pest LCS Spike ID:		Volume:		µL
PCB LCS Spike ID:	521137	Volume:	500	µL
Pest MS/MSD Spike ID:		Volume:		µL
PCB MS/MSD Spike ID:		Volume:		µL

REPORTING SUMMARY FOR 512355 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
512355-001	Aroclor-1016	SVOA-GC07	B	07/22/24 15:17
512355-001	Aroclor-1221	SVOA-GC07	B	07/22/24 15:17
512355-001	Aroclor-1232	SVOA-GC07	B	07/22/24 15:17
512355-001	Aroclor-1242	SVOA-GC07	B	07/22/24 15:17
512355-001	Aroclor-1248	SVOA-GC07	B	07/22/24 15:17
512355-001	Aroclor-1254	SVOA-GC07	B	07/22/24 15:17
512355-001	Aroclor-1260	SVOA-GC07	B	07/22/24 15:17
512355-001	Aroclor-1262	SVOA-GC07	B	07/22/24 15:17
512355-001	Aroclor-1268	SVOA-GC07	B	07/22/24 15:17
512355-001	TCMX (PCB)	SVOA-GC07	B	07/22/24 15:17
512355-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 15:17
512355-003	Aroclor-1016	SVOA-GC07	B	07/22/24 15:35
512355-003	Aroclor-1221	SVOA-GC07	B	07/22/24 15:35
512355-003	Aroclor-1232	SVOA-GC07	B	07/22/24 15:35
512355-003	Aroclor-1242	SVOA-GC07	B	07/22/24 15:35
512355-003	Aroclor-1248	SVOA-GC07	B	07/22/24 15:35
512355-003	Aroclor-1254	SVOA-GC07	B	07/22/24 15:35
512355-003	Aroclor-1260	SVOA-GC07	B	07/22/24 15:35
512355-003	Aroclor-1262	SVOA-GC07	B	07/22/24 15:35
512355-003	Aroclor-1268	SVOA-GC07	B	07/22/24 15:35
512355-003	TCMX (PCB)	SVOA-GC07	B	07/22/24 15:35
512355-003	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 15:35
512355-005	Aroclor-1016	SVOA-GC07	B	07/22/24 15:52
512355-005	Aroclor-1221	SVOA-GC07	B	07/22/24 15:52
512355-005	Aroclor-1232	SVOA-GC07	B	07/22/24 15:52
512355-005	Aroclor-1242	SVOA-GC07	B	07/22/24 15:52
512355-005	Aroclor-1248	SVOA-GC07	B	07/22/24 15:52
512355-005	Aroclor-1254	SVOA-GC07	B	07/22/24 15:52
512355-005	Aroclor-1260	SVOA-GC07	B	07/22/24 15:52
512355-005	Aroclor-1262	SVOA-GC07	B	07/22/24 15:52
512355-005	Aroclor-1268	SVOA-GC07	B	07/22/24 15:52

REPORTING SUMMARY FOR 512355 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
512355-005	TCMX (PCB)	SVOA-GC07	B	07/22/24 15:52
512355-005	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 15:52
512355-008	Aroclor-1016	SVOA-GC07	B	07/22/24 16:10
512355-008	Aroclor-1221	SVOA-GC07	B	07/22/24 16:10
512355-008	Aroclor-1232	SVOA-GC07	B	07/22/24 16:10
512355-008	Aroclor-1242	SVOA-GC07	B	07/22/24 16:10
512355-008	Aroclor-1248	SVOA-GC07	B	07/22/24 16:10
512355-008	Aroclor-1254	SVOA-GC07	B	07/22/24 16:10
512355-008	Aroclor-1260	SVOA-GC07	B	07/22/24 16:10
512355-008	Aroclor-1262	SVOA-GC07	B	07/22/24 16:10
512355-008	Aroclor-1268	SVOA-GC07	B	07/22/24 16:10
512355-008	TCMX (PCB)	SVOA-GC07	B	07/22/24 16:10
512355-008	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 16:10
512355-010	Aroclor-1016	SVOA-GC07	B	07/22/24 16:27
512355-010	Aroclor-1221	SVOA-GC07	B	07/22/24 16:27
512355-010	Aroclor-1232	SVOA-GC07	B	07/22/24 16:27
512355-010	Aroclor-1242	SVOA-GC07	B	07/22/24 16:27
512355-010	Aroclor-1248	SVOA-GC07	B	07/22/24 16:27
512355-010	Aroclor-1254	SVOA-GC07	B	07/22/24 16:27
512355-010	Aroclor-1260	SVOA-GC07	B	07/22/24 16:27
512355-010	Aroclor-1262	SVOA-GC07	B	07/22/24 16:27
512355-010	Aroclor-1268	SVOA-GC07	B	07/22/24 16:27
512355-010	TCMX (PCB)	SVOA-GC07	B	07/22/24 16:27
512355-010	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 16:27
QC1171120	Aroclor-1016	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1221	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1232	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1242	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1248	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1254	SVOA-GC07	B	07/22/24 14:25

REPORTING SUMMARY FOR 512355 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1171120	Aroclor-1260	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1262	SVOA-GC07	B	07/22/24 14:25
QC1171120	Aroclor-1268	SVOA-GC07	B	07/22/24 14:25
QC1171120	TCMX (PCB)	SVOA-GC07	B	07/22/24 14:25
QC1171120	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 14:25
QC1171121	Aroclor-1016	SVOA-GC07	B	07/22/24 14:42
QC1171121	Aroclor-1260	SVOA-GC07	B	07/22/24 14:42
QC1171121	TCMX (PCB)	SVOA-GC07	B	07/22/24 14:42
QC1171121	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 14:42
QC1171122	Aroclor-1016	SVOA-GC07	B	07/22/24 15:00
QC1171122	Aroclor-1260	SVOA-GC07	B	07/22/24 15:00
QC1171122	TCMX (PCB)	SVOA-GC07	B	07/22/24 15:00
QC1171122	Decachlorobiphenyl (PCB)	SVOA-GC07	B	07/22/24 15:00

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 512355-001	Client ID: DOOR-S-15.5GW-PS-21-240718-P-G
Seqnum: 464294361020	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_072224020	Batch: 345600	Time: 22-JUL-2024 15:17
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	46.36	ug/L	ND	0.55	16%	0.50		u
Aroclor-1016 Peak # 1	B	33.69	ug/L	0.34	0.35	3%			
Aroclor-1016 Peak # 2	B	5.032	ug/L	0.05	0.25	133%			
Aroclor-1016 Peak # 3	B	189.9	ug/L	1.90	1.72	10%			
Aroclor-1016 Peak # 4	B	1.107	ug/L	0.01	0.02	31%			
Aroclor-1016 Peak # 5	B	2.040	ug/L	0.02	0.40	181%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	59.10	ug/L	0.59 FP	0.69	15%	0.50		x u
Aroclor-1260 Peak # 1	B	58.34	ug/L	0.58	1.92	107%			
Aroclor-1260 Peak # 2	B	46.30	ug/L	0.46	0.02	185%			
Aroclor-1260 Peak # 3	B	94.83	ug/L	0.95	0.24	120%			
Aroclor-1260 Peak # 4	B	0.7056	ug/L	0.01	0.80	196%			
Aroclor-1260 Peak # 5	B	95.31	ug/L	0.95	0.47	69%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	42.89	pg/uL	0.5000	0.4289	86	19-121	u
Decachlorobiphenyl (PCB)	B	51.24	pg/uL	0.5000	0.5124	102	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10789429	-1.61
1-bromo-2-nitrobenzene (PCB)	A	47936344	48164523	0.48

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	???	-100.00 *
1-bromo-2-nitrobenzene (1248)	B	12686726	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	???	
1-bromo-2-nitrobenzene (1248)	B	4.44	???	

07/23/24 : WIPE/1dm3-10ML

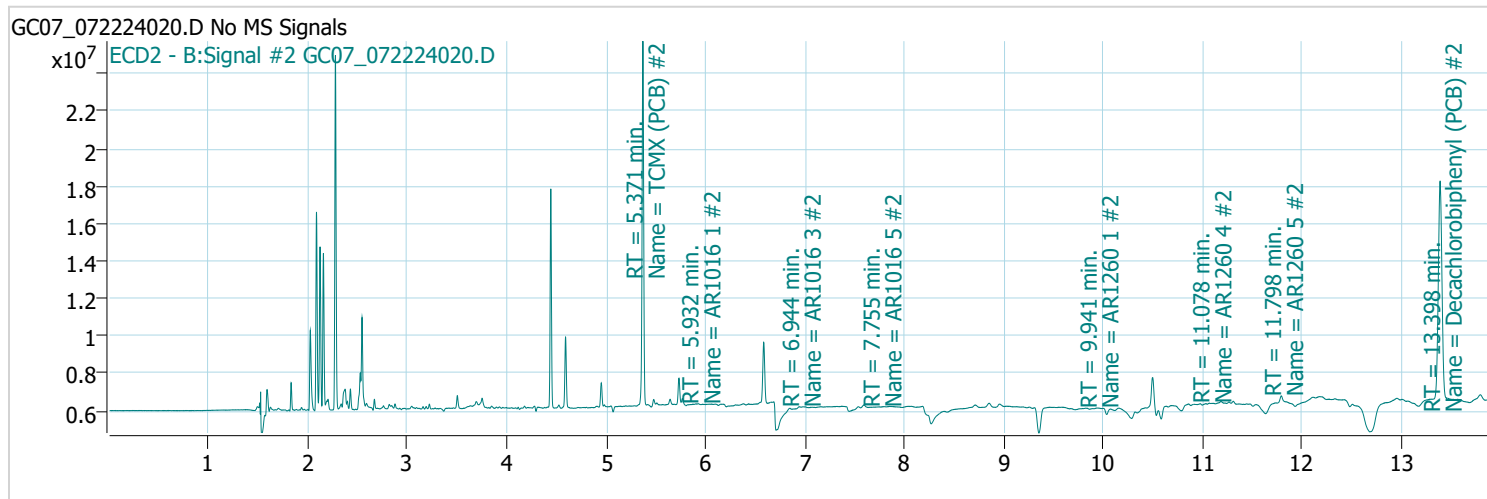
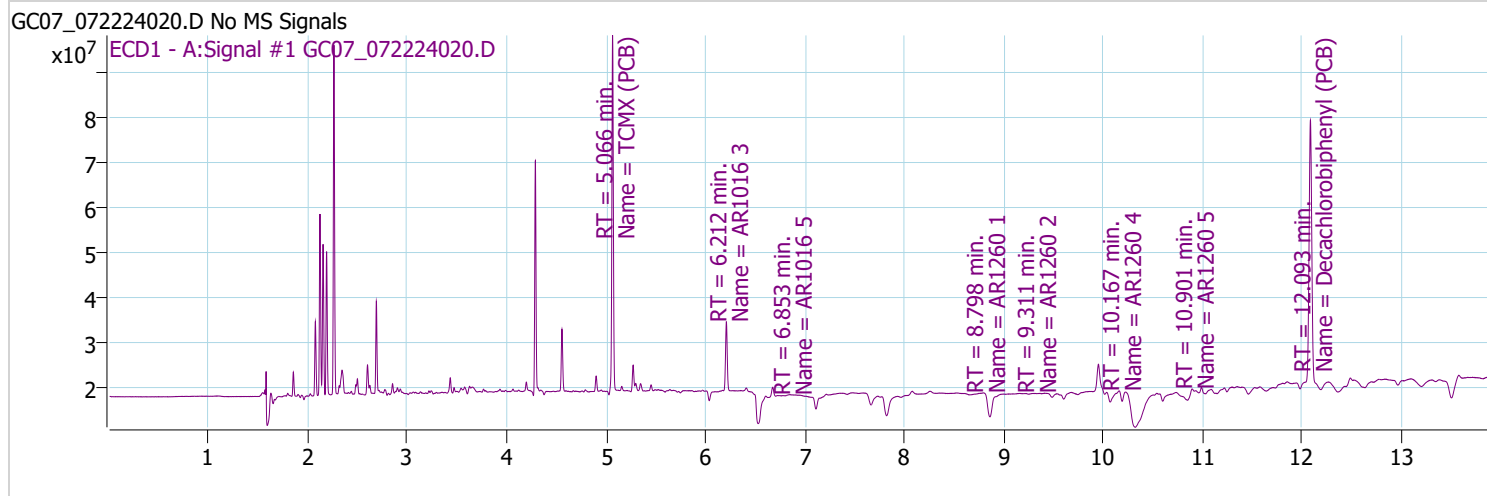
+=high bias c=CCV u=use x=false positive

Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 3:17:42 PM
Sample Name	512355-001, 345600, 1	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	48164523.2 92	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10789428.7 11	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.066	0.0	85685460.9 98	37.9771	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.89%	*	
S TCMX (PCB) #2	5.371	0.0	22197216.0 07	42.8919	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.46%	*	
S Decachlorobiphenyl (PCB)	12.093	0.0	113350335. 861	42.6848	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.42%	*	
S Decachlorobiphenyl (PCB) #2	13.398	0.0	30203680.9 07	51.2424	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 256.21%	*	

Target Compounds

QValue

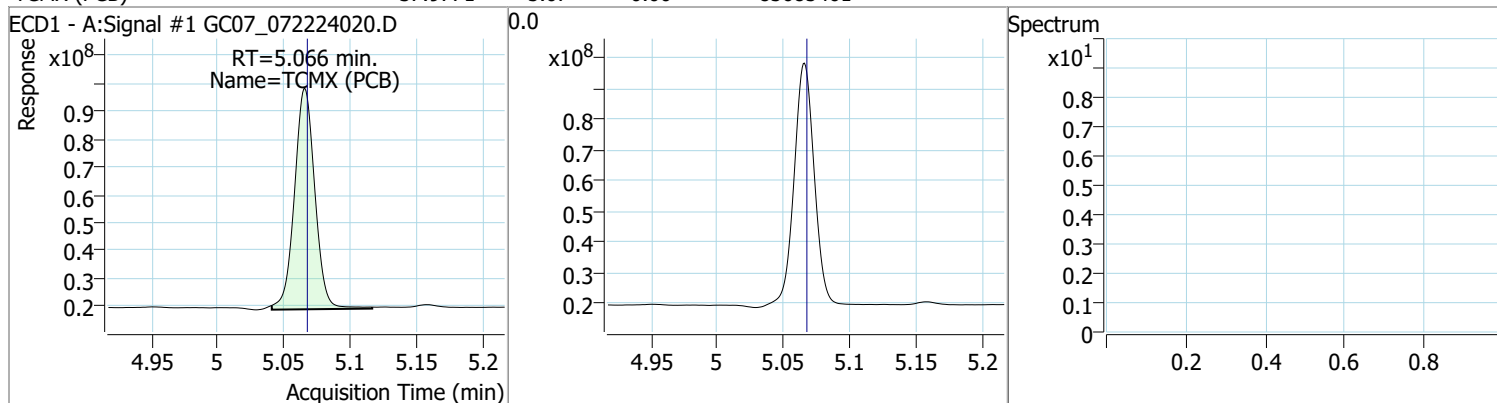
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.453	0.0	1464908.85 8	34.7956	ng/ml	100
T AR1016 2	5.782	0.0	2172153.72 7	24.8360	ng/ml	100
T AR1016 1 #2	5.932	0.0	383847.826	33.6943	ng/ml	100
T AR1016 3	6.212	0.0	18984969.1 48	171.9789	ng/ml	100
T AR1016 2 #2	6.305	0.0	118442.330	5.0322	ng/ml	100
T AR1016 4	6.358	0.0	110653.770	1.5120	ng/ml	100
T AR1016 5	6.853	0.0	2575472.96 7	40.0362	ng/ml	100
T AR1016 3 #2	6.944	0.0	5574839.01 8	189.9105	ng/ml	100
T AR1016 4 #2	7.043	0.0	24032.654	1.1075	ng/ml	100
T AR1016 5 #2	7.755	0.0	35810.839	2.0404	ng/ml	100
T AR1260 1	8.798	0.0	24780355.1 84	192.0698	ng/ml	100
T AR1260 2	9.311	0.0	367235.597	1.8637	ng/ml	100
T AR1260 3	9.686	0.0	5048392.09 4	23.8118	ng/ml	100
T AR1260 1 #2	9.941	0.0	1821071.72 7	58.3401	ng/ml	100
T AR1260 4	10.167	0.0	9778753.14 4	79.7799	ng/ml	100
T AR1260 2 #2	10.164	0.0	1815599.84 2	46.2998	ng/ml	100
T AR1260 3 #2	10.698	0.0	4475941.87 3	94.8256	ng/ml	100
T AR1260 5	10.901	0.0	6843114.12 1	46.6232	ng/ml	100
T AR1260 4 #2	11.078	0.0	21058.739	0.7056	ng/ml	100
T AR1260 5 #2	11.798	0.0	4223125.83 7	95.3085	ng/ml	100

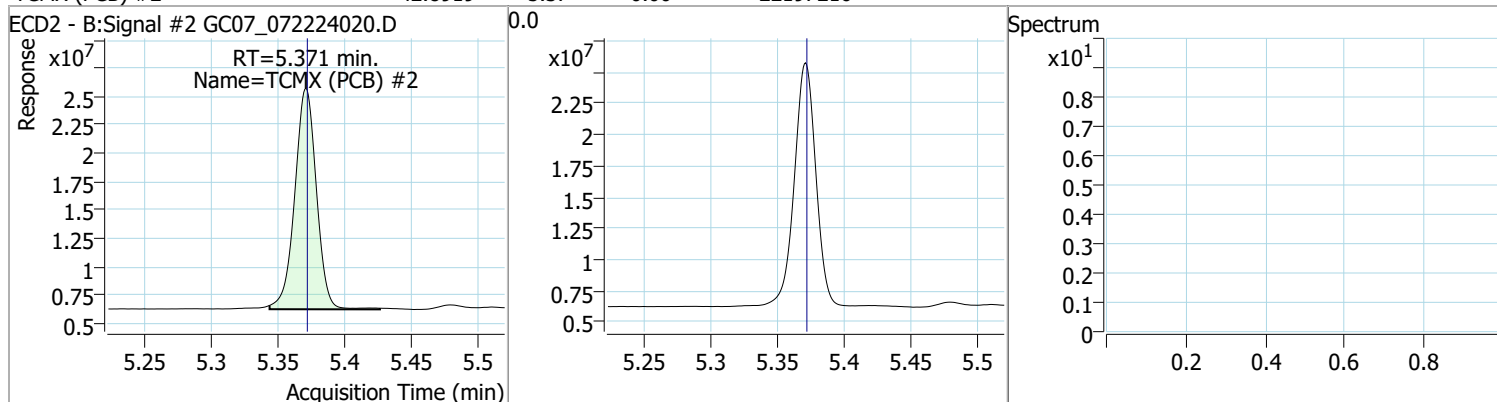
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

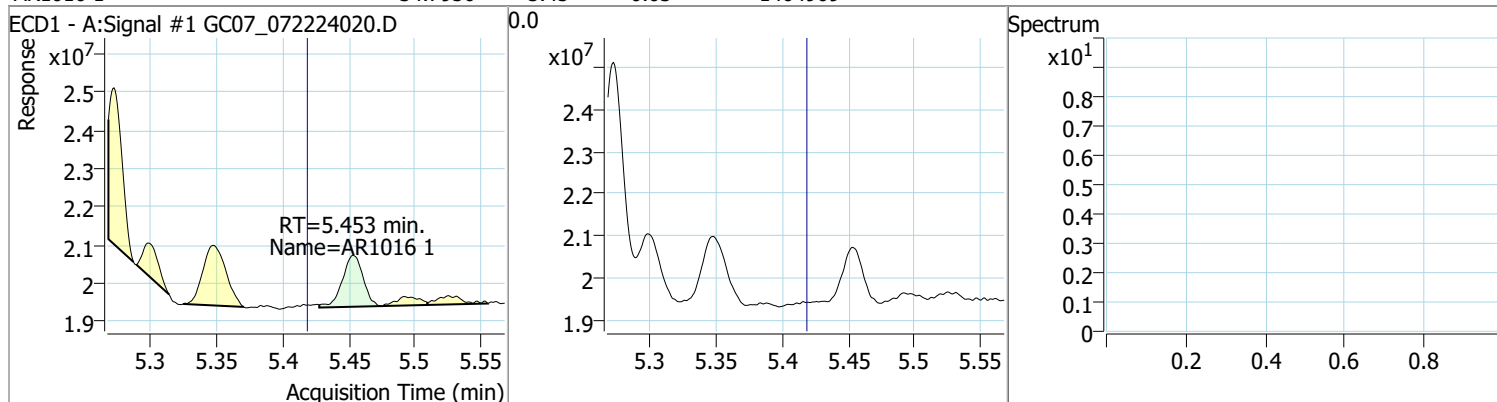
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.9771	5.07	0.00	85685461				



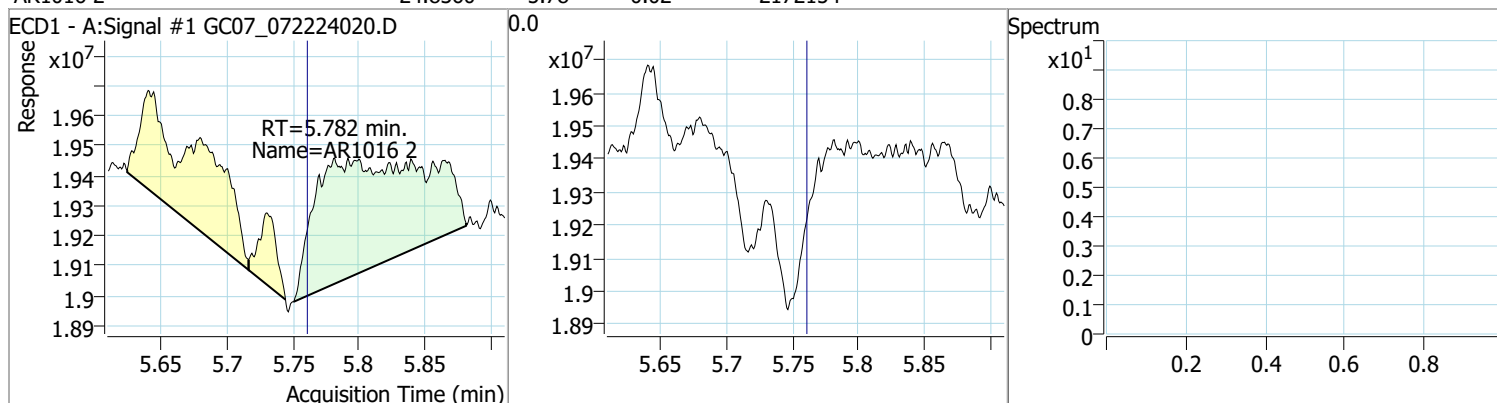
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.8919	5.37	0.00	22197216				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.7956	5.45	0.03	1464909				

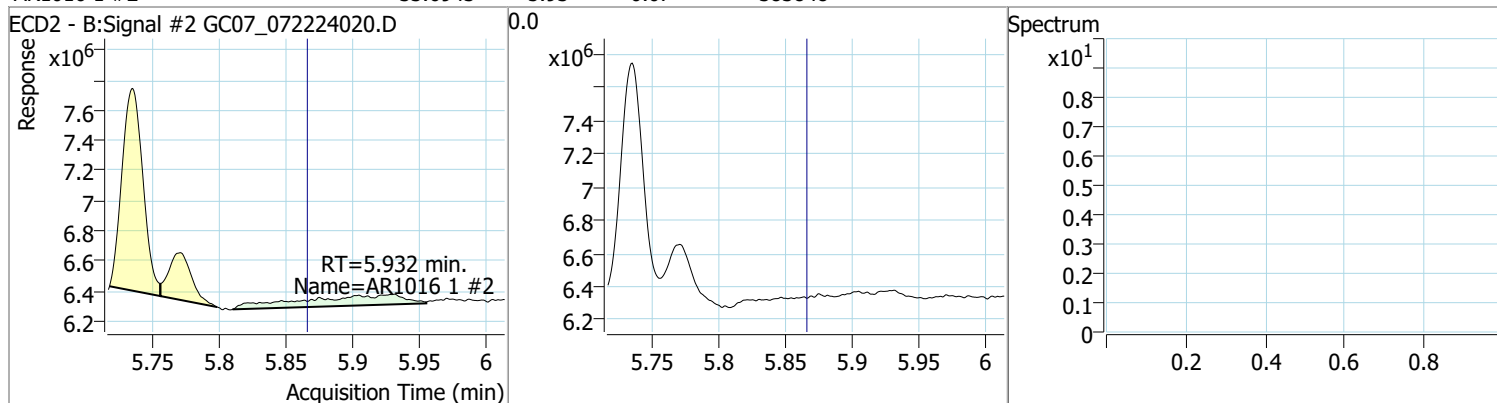


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.8360	5.78	0.02	2172154				

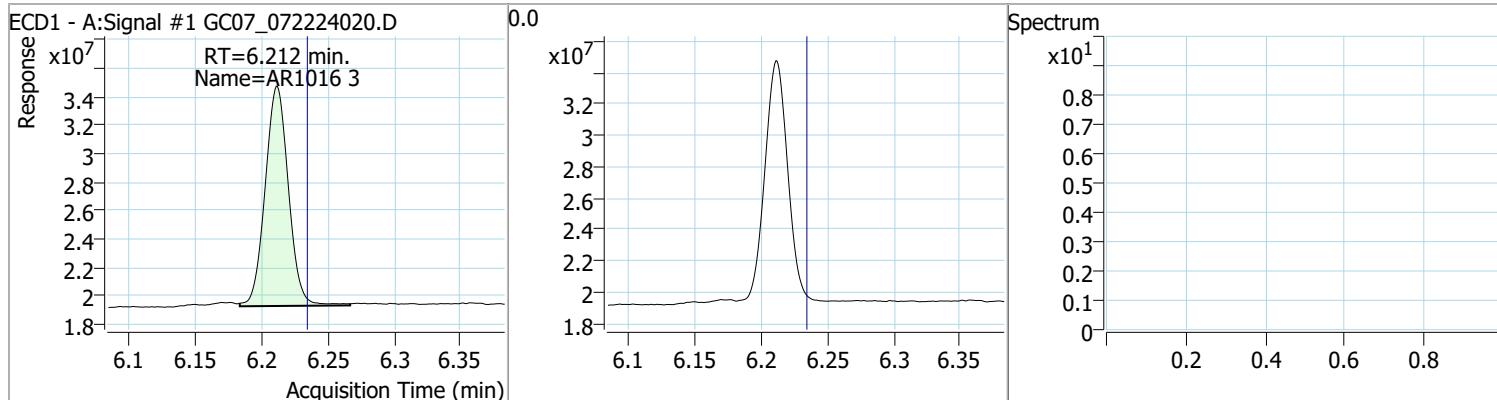


Quantitation Results Report (Not Reviewed)

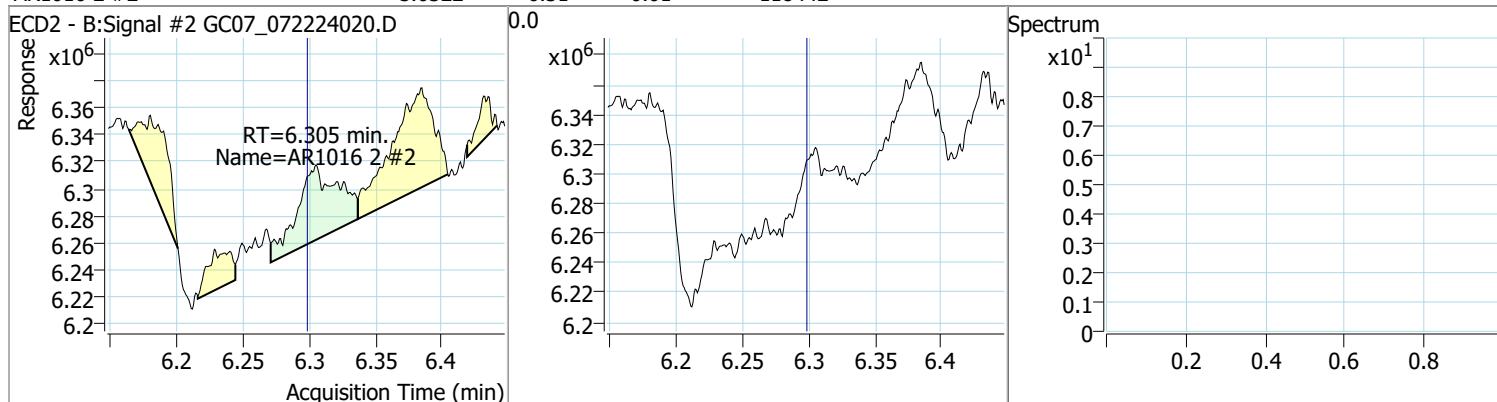
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	33.6943	5.93	0.07	383848				



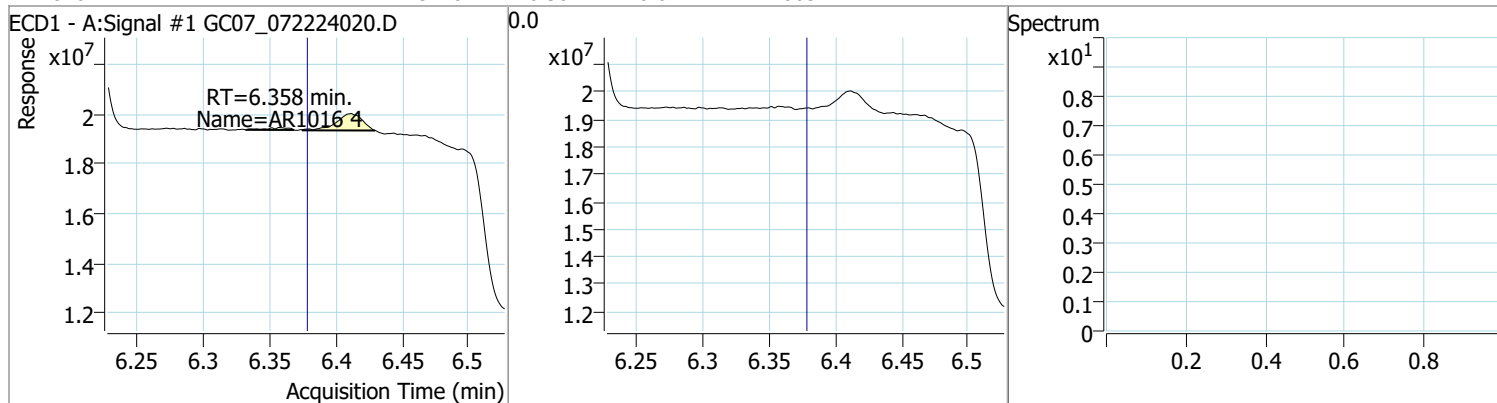
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	171.9789	6.21	-0.02	18984969				



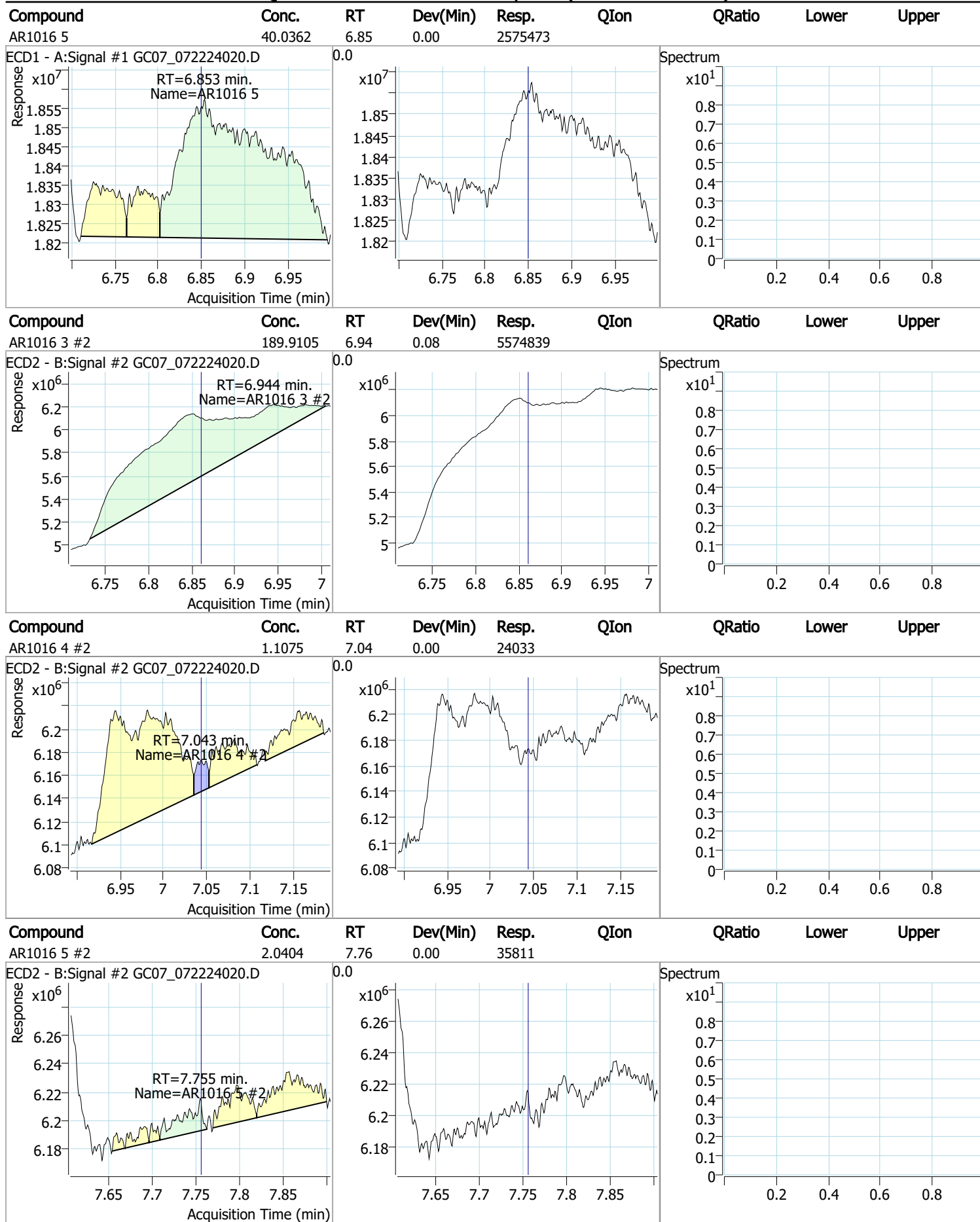
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	5.0322	6.31	0.01	118442				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.5120	6.36	-0.02	110654				



Quantitation Results Report (Not Reviewed)

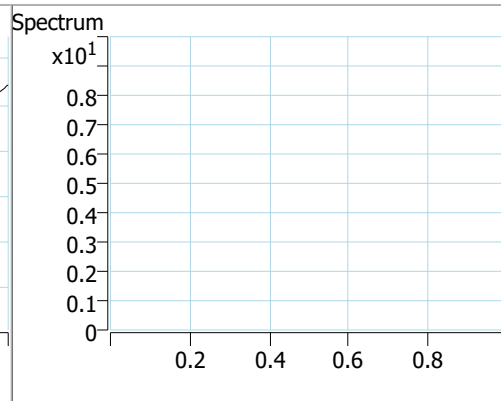
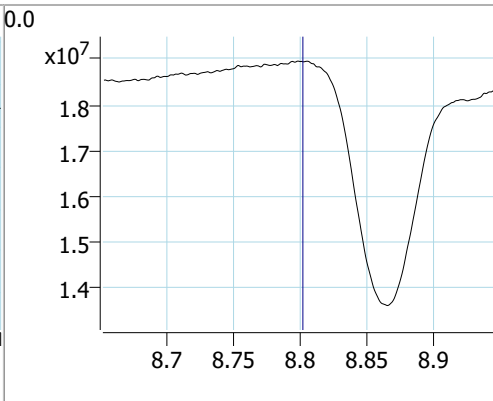
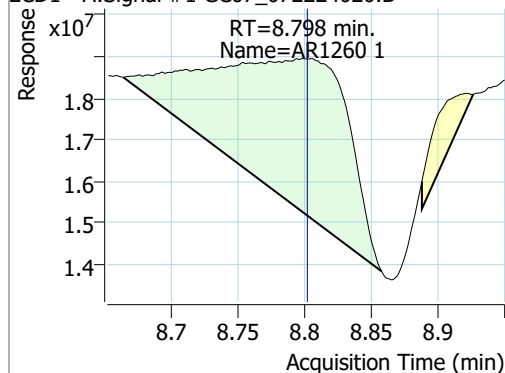


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 192.0698 8.80 0.00 24780355

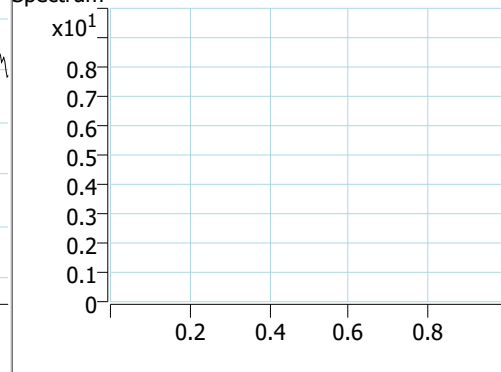
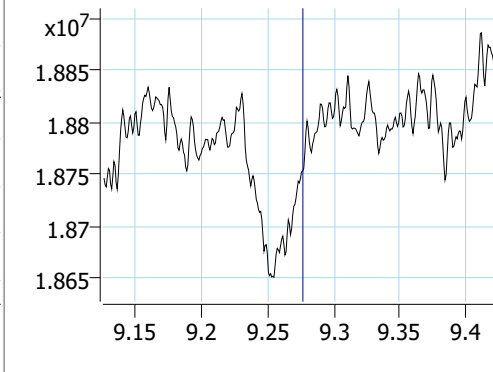
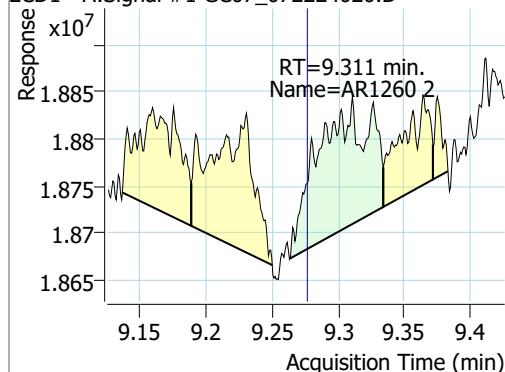
ECD1 - A:Signal #1 GC07_072224020.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 1.8637 9.31 0.03 367236

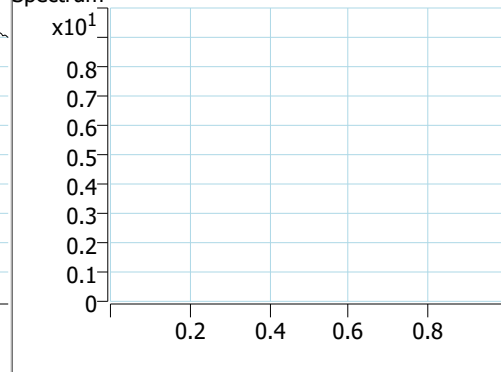
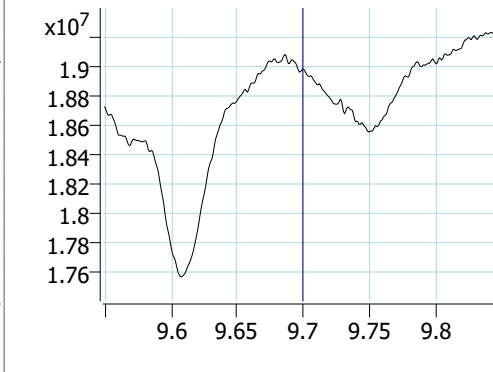
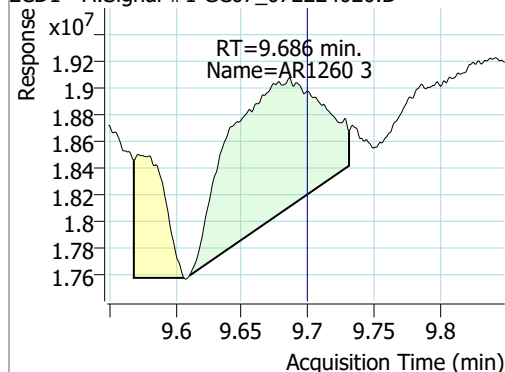
ECD1 - A:Signal #1 GC07_072224020.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 23.8118 9.69 -0.01 5048392

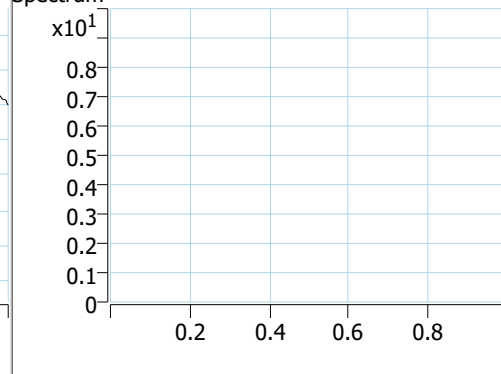
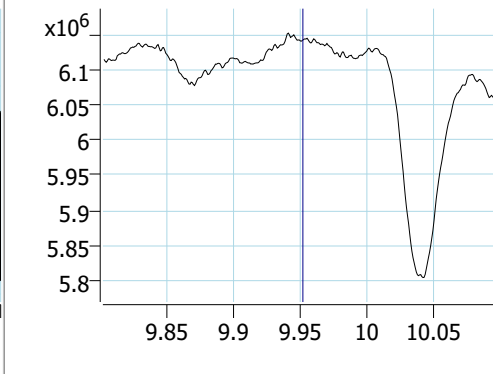
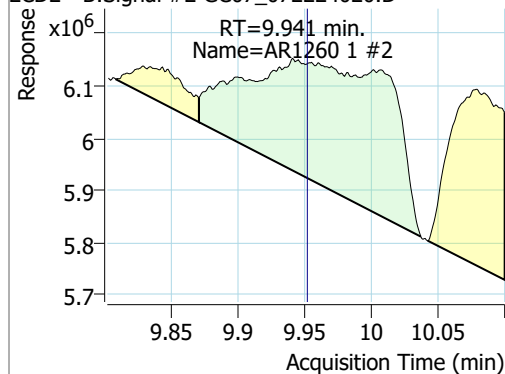
ECD1 - A:Signal #1 GC07_072224020.D



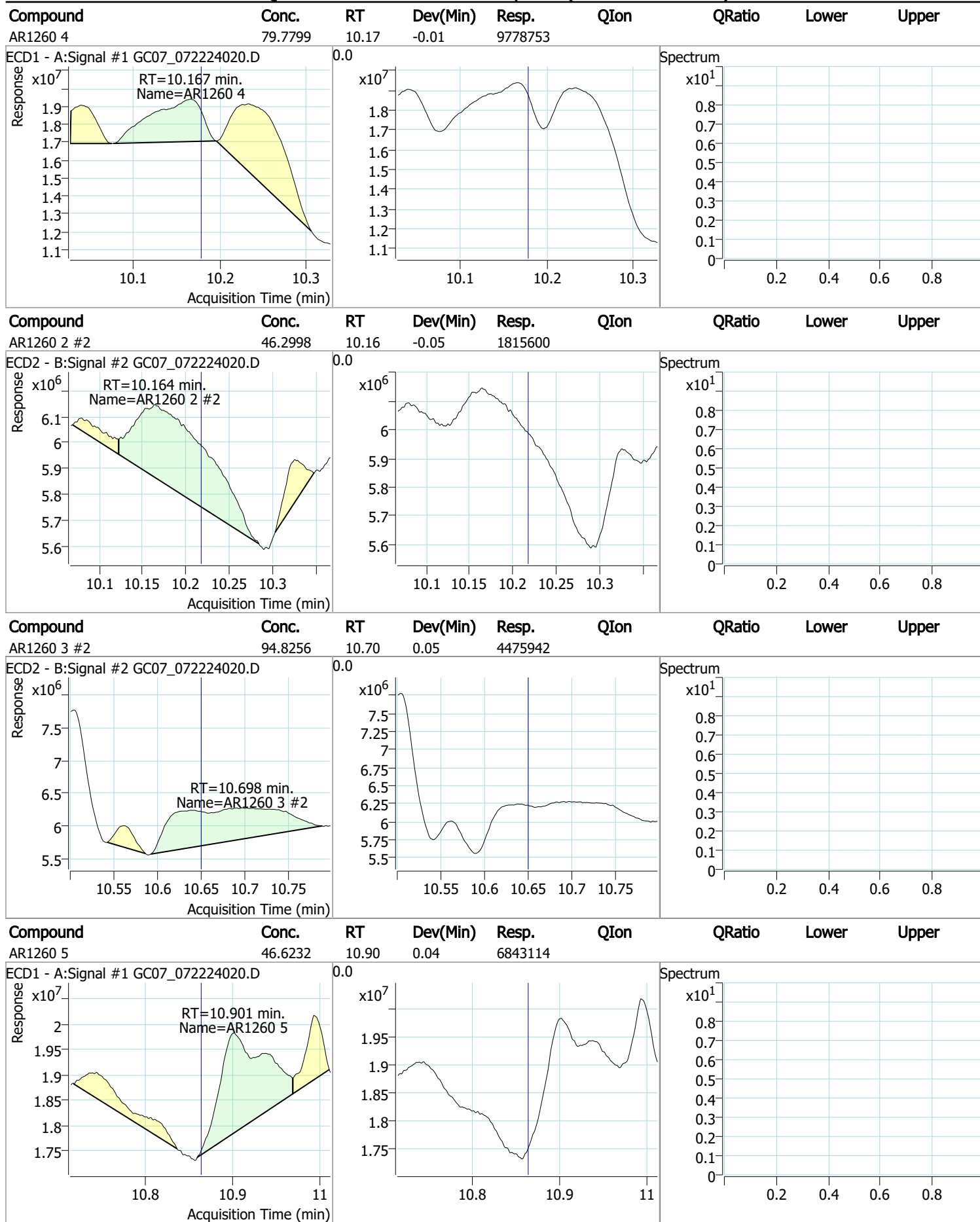
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 #2 58.3401 9.94 -0.01 1821072

ECD2 - B:Signal #2 GC07_072224020.D

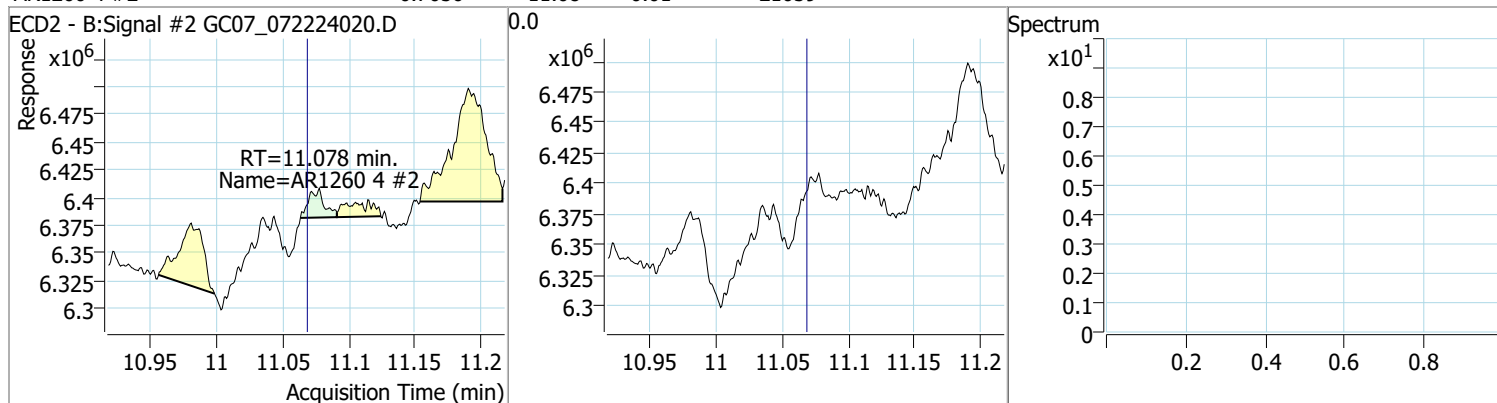


Quantitation Results Report (Not Reviewed)

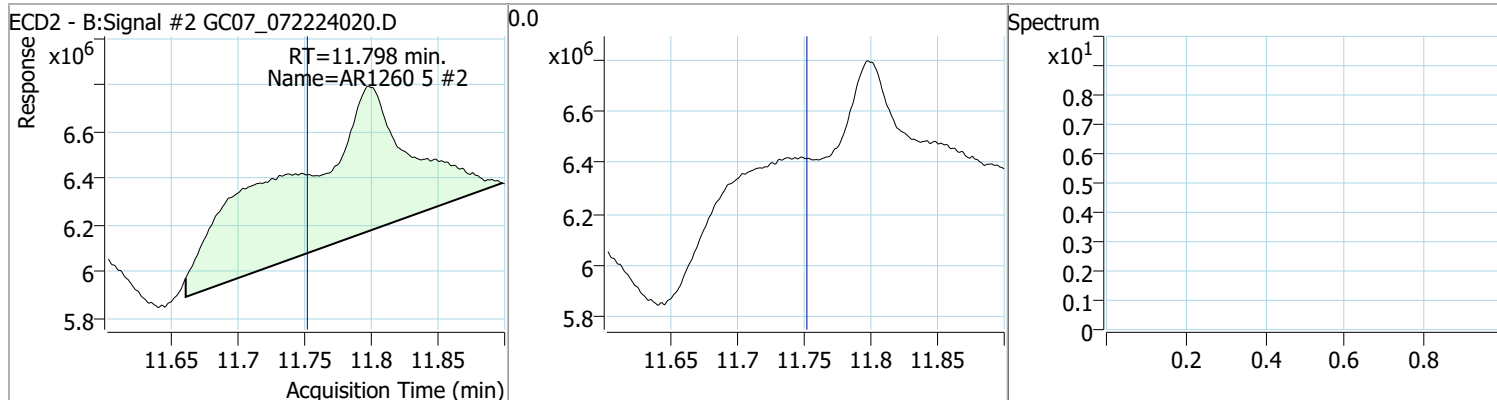


Quantitation Results Report (Not Reviewed)

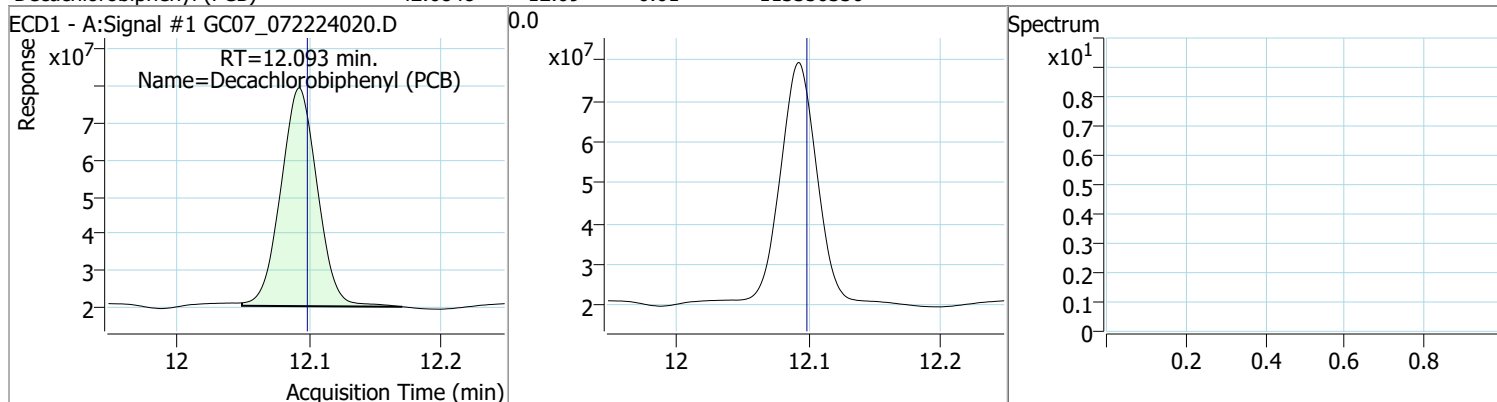
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.7056	11.08	0.01	21059				



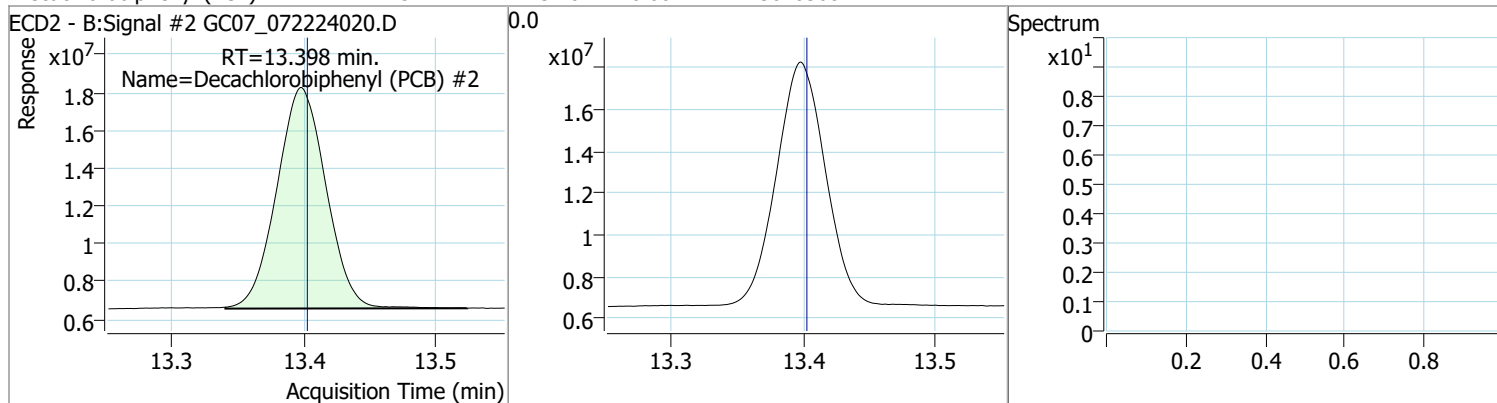
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	95.3085	11.80	0.05	4223126				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.6848	12.09	-0.01	113350336				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	51.2424	13.40	0.00	30203681				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 512355-003	Client ID: ARCH-SGW-DG-5.5 TO 17-240718-P-LA
Seqnum: 464294361021	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_072224021	Batch: 345600	Time: 22-JUL-2024 15:35
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	27.40	ug/L	ND	0.37	29%	0.50		u
Aroclor-1016 Peak # 1	B	19.56	ug/L	0.20	0.36	58%			
Aroclor-1016 Peak # 2	B	1.239	ug/L	0.01	0.01	6%			
Aroclor-1016 Peak # 3	B	112.8	ug/L	1.13	1.02	10%			
Aroclor-1016 Peak # 4	B	2.949	ug/L	0.03	0.09	101%			
Aroclor-1016 Peak # 5	B	0.4404	ug/L	0.00	0.35	195%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	45.53	ug/L	ND	1.9	123%	0.50		u
Aroclor-1260 Peak # 1	B	55.11	ug/L	0.55	1.93	111%			
Aroclor-1260 Peak # 2	B	48.38	ug/L	0.48	0.01	189%			
Aroclor-1260 Peak # 3	B	9.692	ug/L	0.10	ND				
Aroclor-1260 Peak # 4	B	4.863	ug/L	0.05	7.39	197%			
Aroclor-1260 Peak # 5	B	109.6	ug/L	1.10	0.29	117%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	42.80	pg/uL	0.5000	0.4280	86	19-121	u
Decachlorobiphenyl (PCB)	B	46.32	pg/uL	0.5000	0.4632	93	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10973397	0.07
1-bromo-2-nitrobenzene (PCB)	A	47936344	47657354	-0.58

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	???	-100.00 *
1-bromo-2-nitrobenzene (1248)	B	12686726	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	???	
1-bromo-2-nitrobenzene (1248)	B	4.44	???	

07/23/24 : WIPE/1dm3-10ML

+=high bias c=CCV u=use

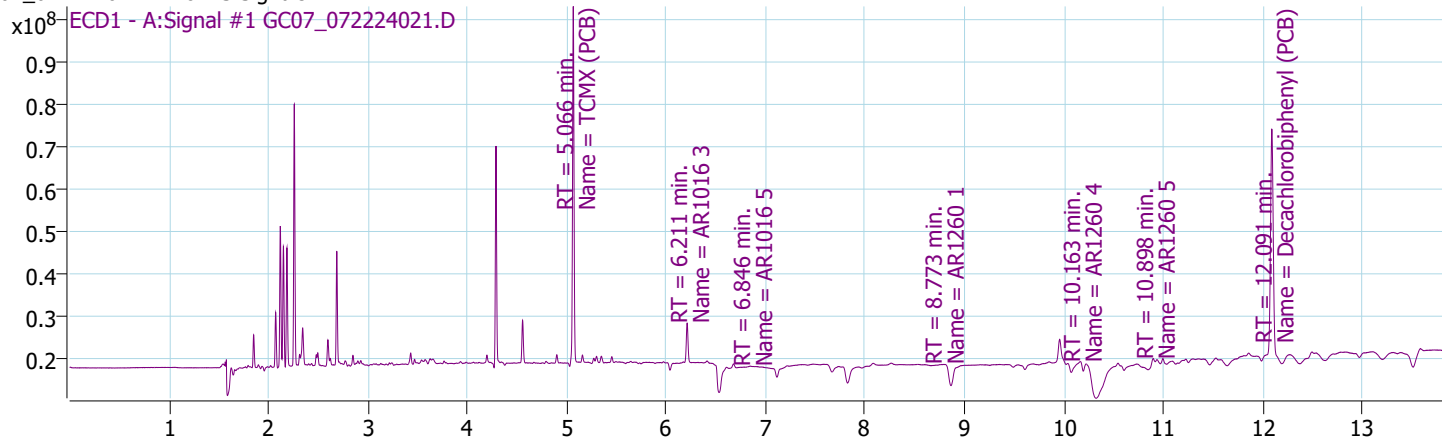
Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

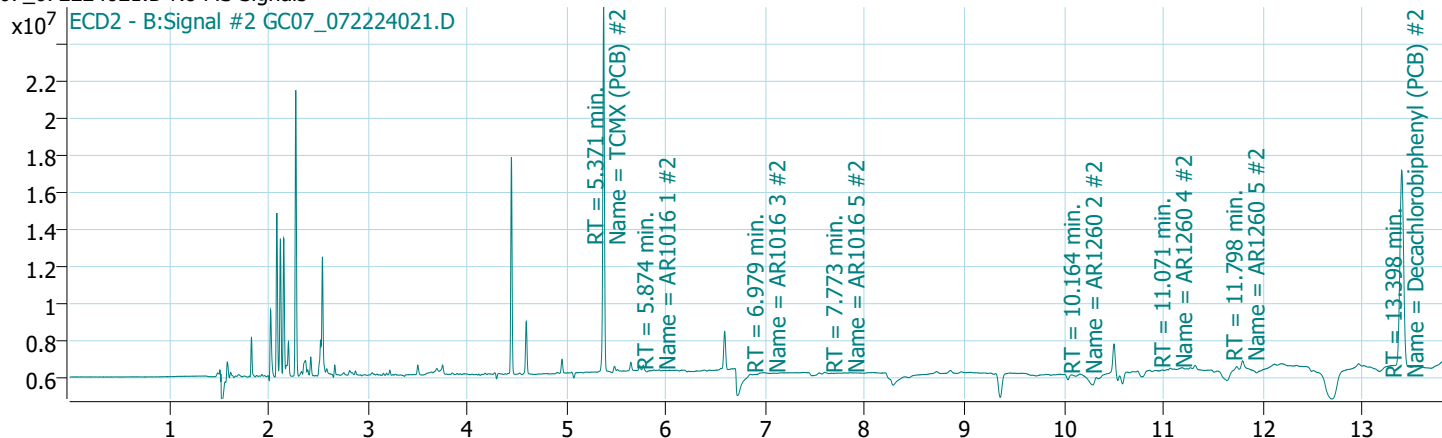
Quantitation Results Report (Not Reviewed)

Data File	GC07_072224021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 3:35:15 PM
Sample Name	512355-003, 345600, 1	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_072224021.D No MS Signals



GC07_072224021.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	47657354.000	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10973396.849	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.066	0.0	88656179.083	39.7120	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.56%	*	
S TCMX (PCB) #2	5.371	0.0	22524954.766	42.7955	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.98%	*	
S Decachlorobiphenyl (PCB)	12.091	0.0	111130173.961	42.2941	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.47%	*	
S Decachlorobiphenyl (PCB) #2	13.398	0.0	27768440.449	46.3211	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.61%	*	

Target Compounds

QValue

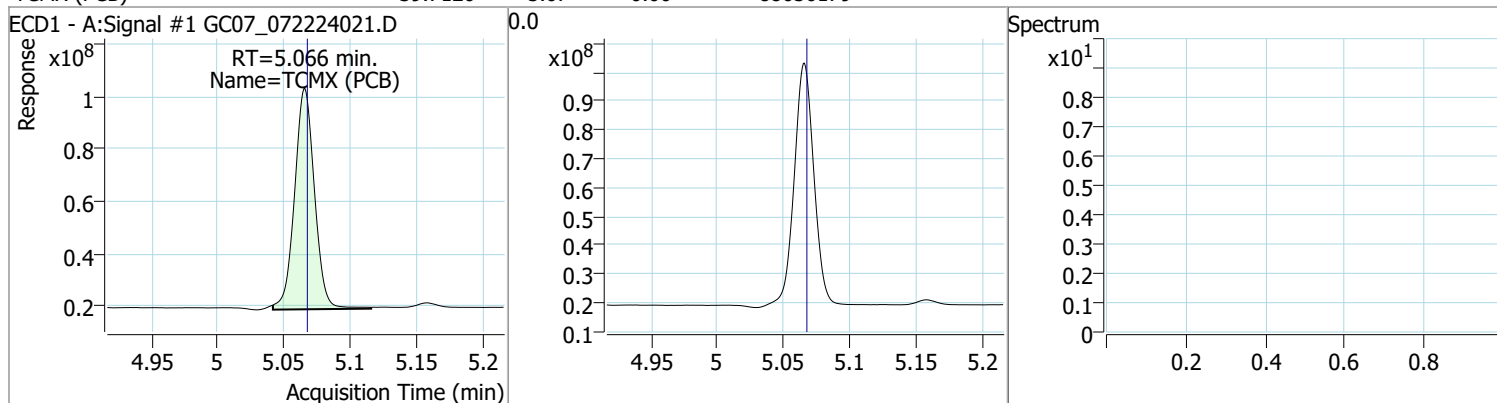
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.453	0.0	1487770.20 3	35.7147	ng/ml	100
T AR1016 2	5.733	0.0	113956.198	1.3168	ng/ml	100
T AR1016 1 #2	5.874	0.0	226665.305	19.5632	ng/ml	100
T AR1016 3	6.211	0.0	11977869.9 26	101.9942	ng/ml	100
T AR1016 2 #2	6.308	0.0	29652.778	1.2387	ng/ml	100
T AR1016 4	6.412	0.0	645894.150	8.9196	ng/ml	100
T AR1016 5	6.846	0.0	2255650.32 0	35.4377	ng/ml	100
T AR1016 3 #2	6.979	0.0	3367490.08 1	112.7925	ng/ml	100
T AR1016 4 #2	7.082	0.0	65075.488	2.9486	ng/ml	100
T AR1016 5 #2	7.773	0.0	7860.526	0.4404	ng/ml	100
T AR1260 1	8.773	0.0	24599743.5 03	192.6990	ng/ml	100
T AR1260 2	9.217	0.0	269177.307	1.3806	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.962	0.0	1749518.68 6	55.1082	ng/ml	100
T AR1260 4	10.163	0.0	89577492.3 54	738.5952	ng/ml	100
T AR1260 2 #2	10.164	0.0	1929325.99 0	48.3751	ng/ml	100
T AR1260 3 #2	10.560	0.0	465268.287	9.6917	ng/ml	100
T AR1260 5	10.898	0.0	4198111.42 8	28.9068	ng/ml	100
T AR1260 4 #2	11.071	0.0	147635.357	4.8635	ng/ml	100
T AR1260 5 #2	11.798	0.0	4940329.78 2	109.6254	ng/ml	100

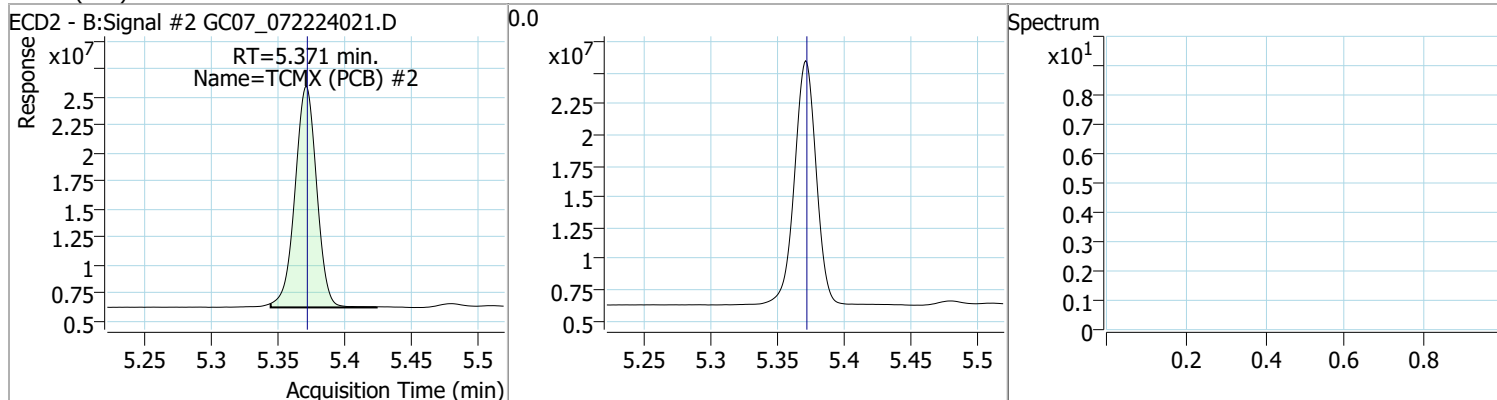
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

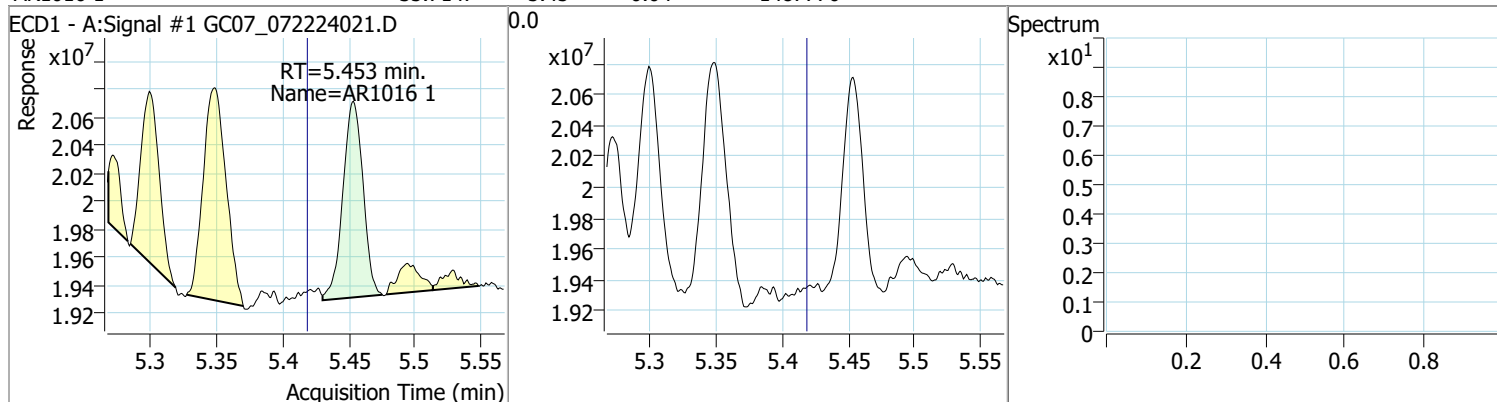
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.7120	5.07	0.00	88656179				



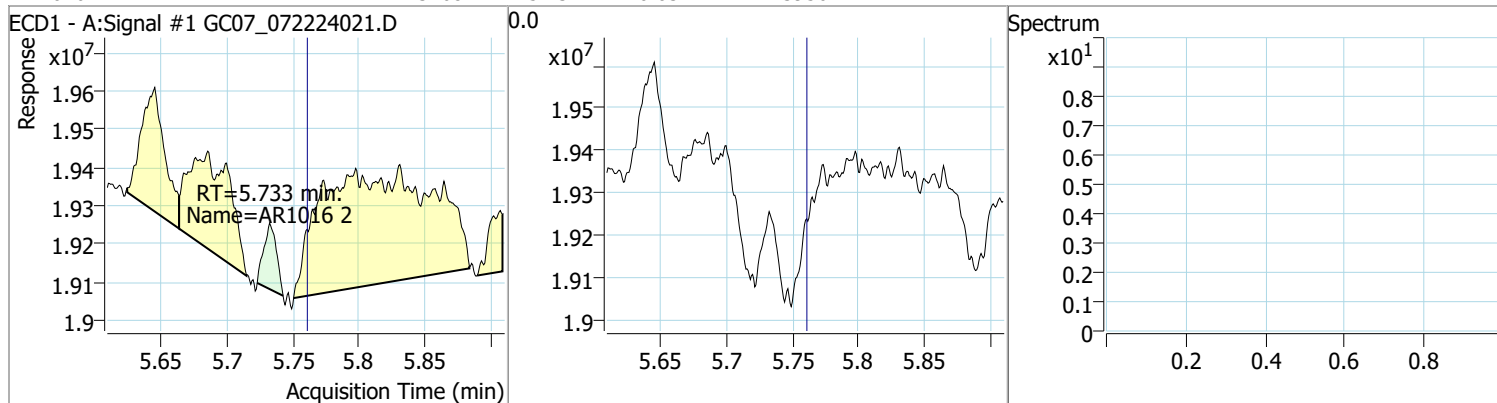
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.7955	5.37	0.00	22524955				



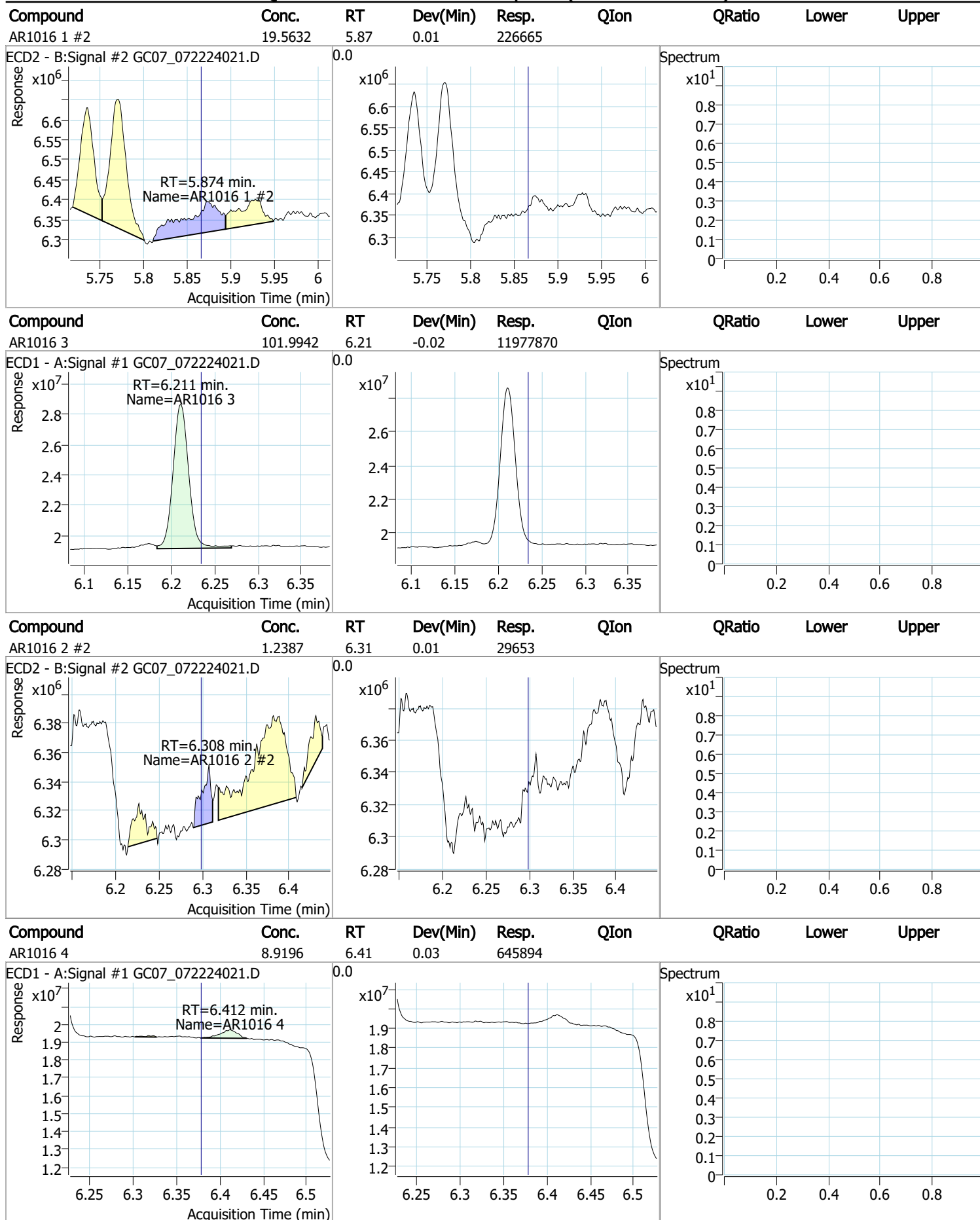
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	35.7147	5.45	0.04	1487770				



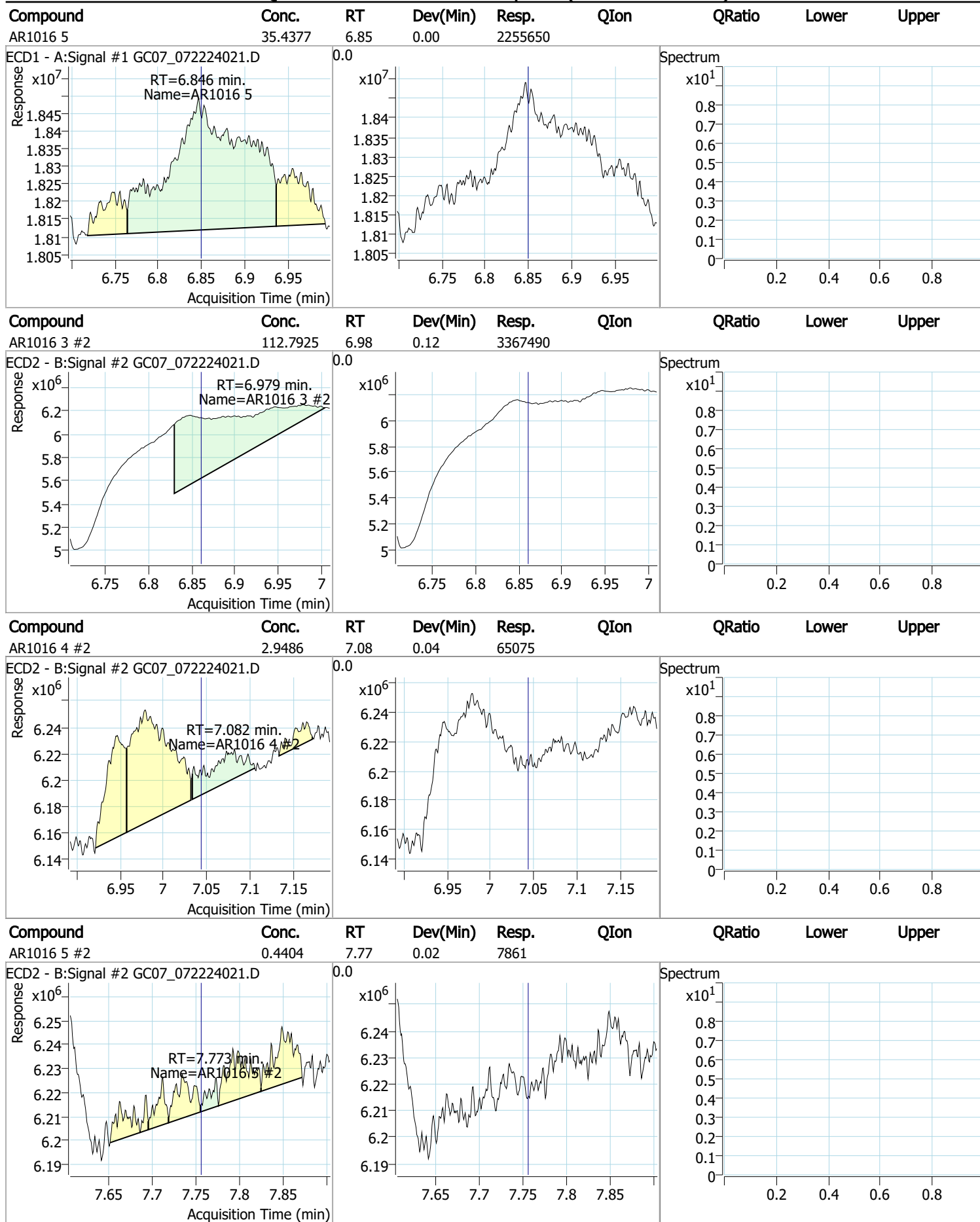
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.3168	5.73	-0.03	113956				



Quantitation Results Report (Not Reviewed)

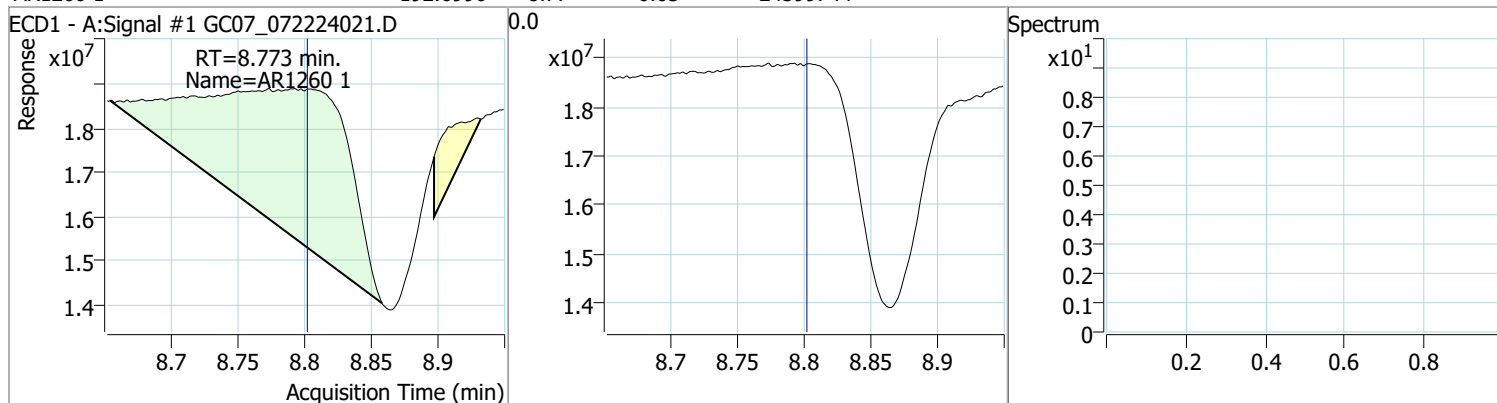


Quantitation Results Report (Not Reviewed)

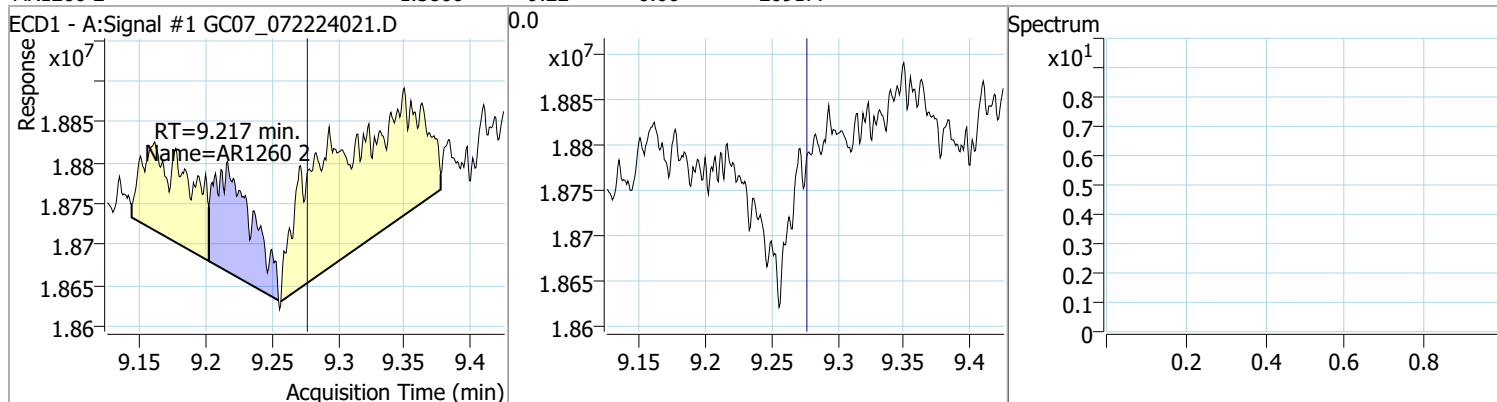


Quantitation Results Report (Not Reviewed)

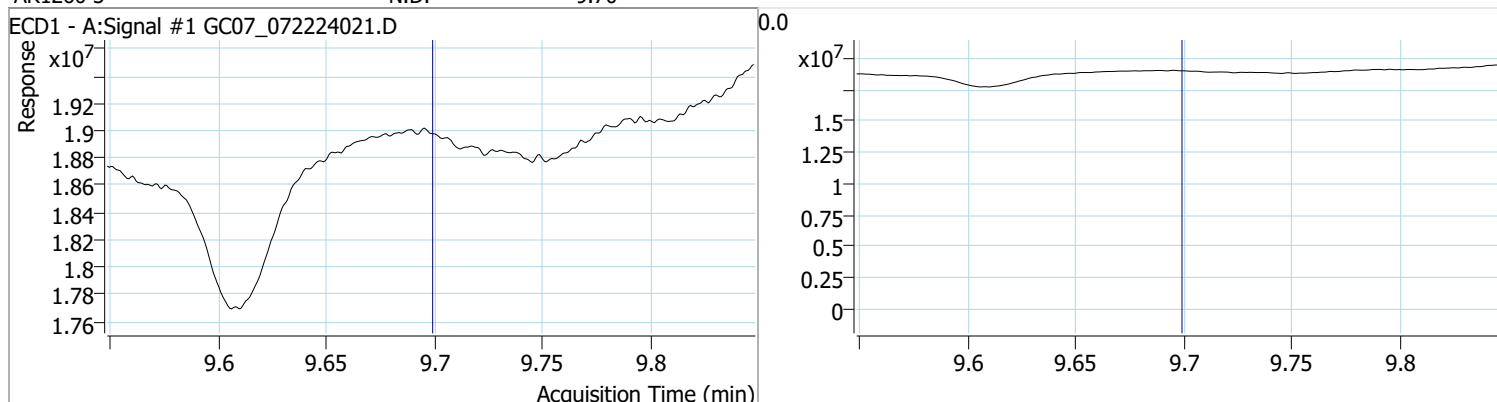
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	192.6990	8.77	-0.03	24599744				



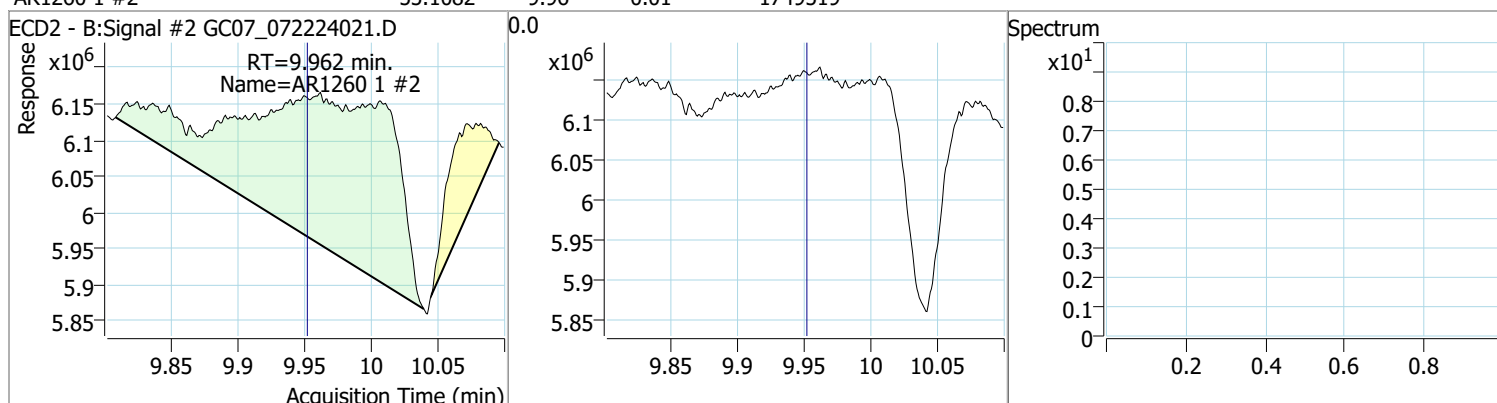
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.3806	9.22	-0.06	269177				



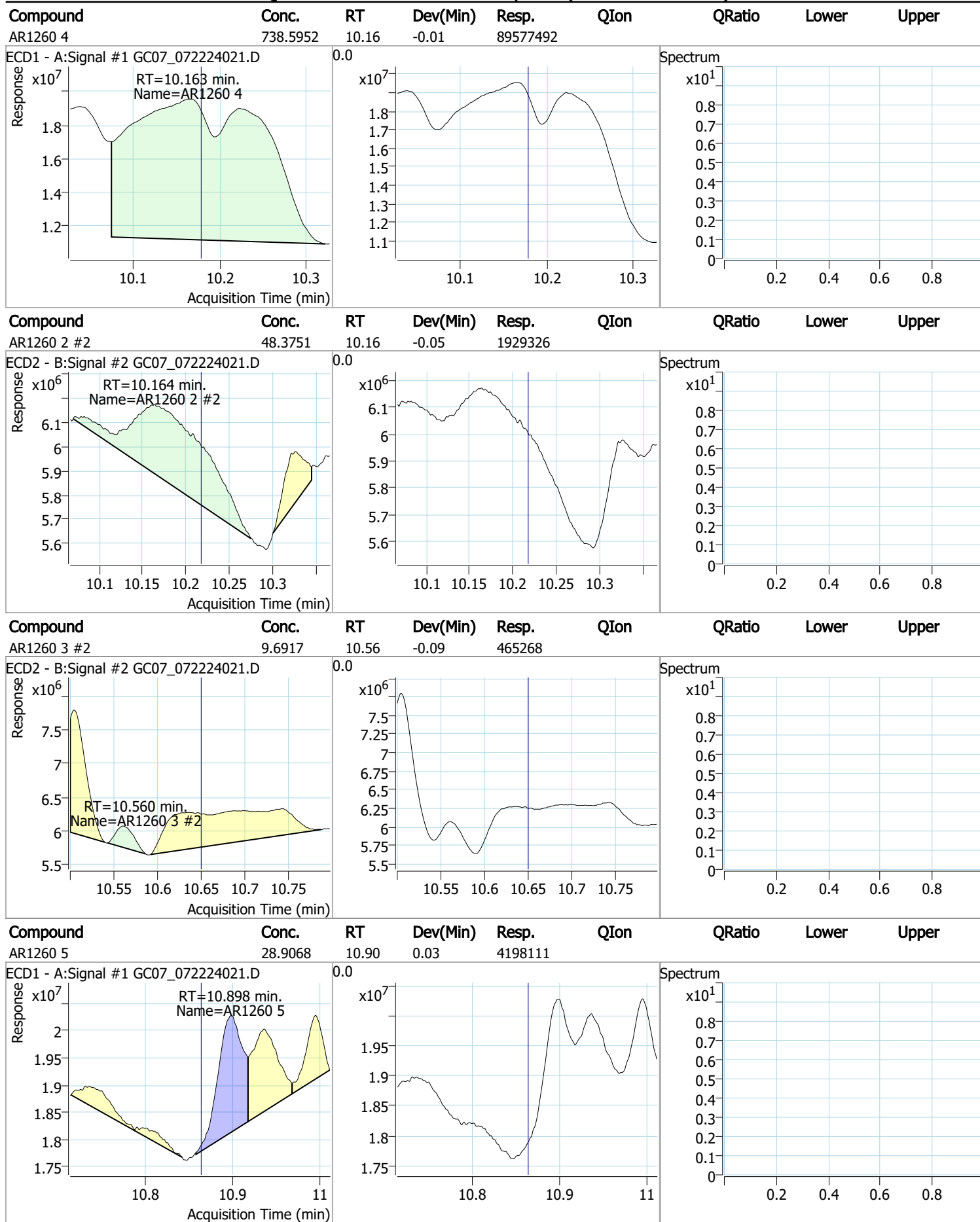
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.70		



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	55.1082	9.96	0.01	1749519				

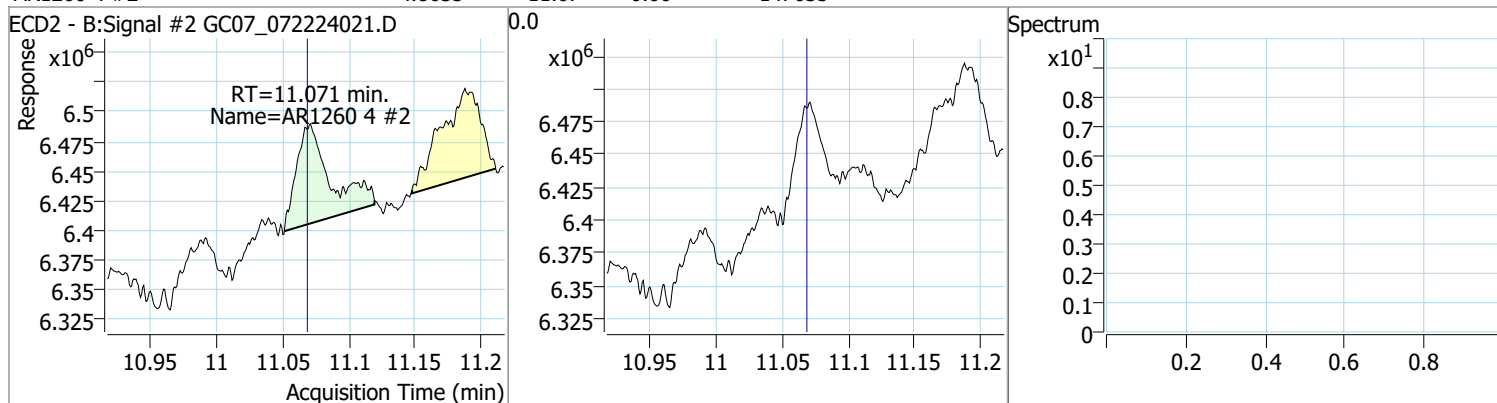


Quantitation Results Report (Not Reviewed)

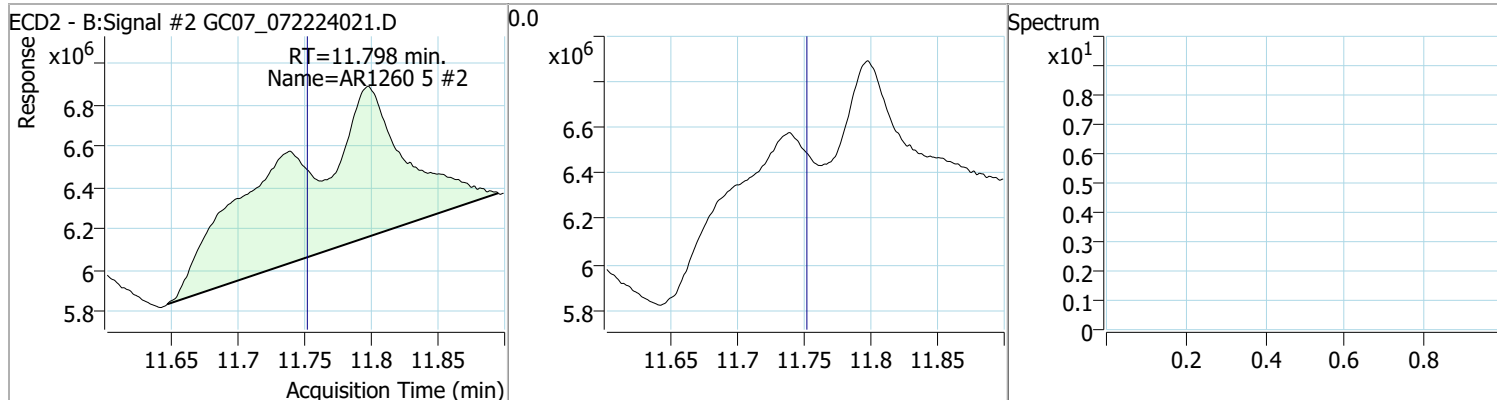


Quantitation Results Report (Not Reviewed)

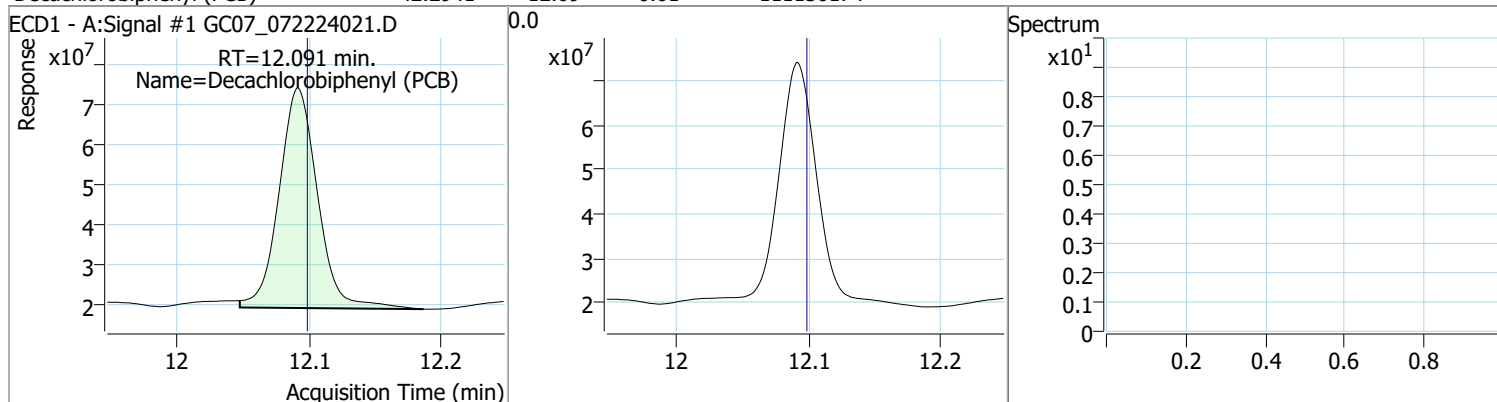
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.8635	11.07	0.00	147635				



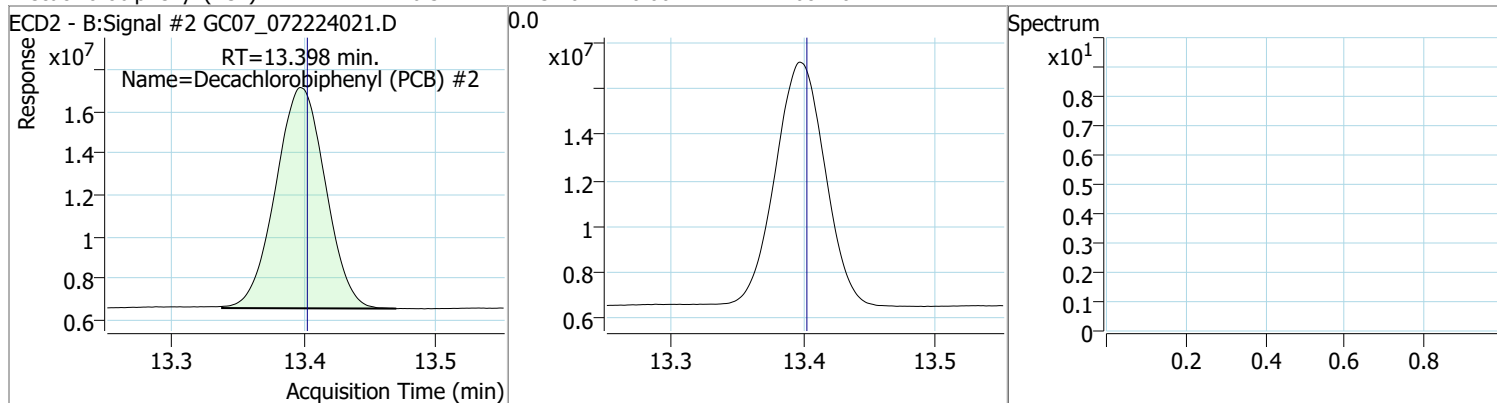
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	109.6254	11.80	0.05	4940330				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.2941	12.09	-0.01	111130174				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.3211	13.40	0.00	27768440				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 512355-005	Client ID: DOOR-S-15.3GW-DG-7 TO 20-240718-P-LA
Seqnum: 464294361022	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_072224022	Batch: 345600	Time: 22-JUL-2024 15:52
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	61.31	ug/L	0.61 ^{FP}	0.42	37%	0.50		x u
Aroclor-1016 Peak # 1	B	32.28	ug/L	0.32	0.36	12%			
Aroclor-1016 Peak # 2	B	3.078	ug/L	0.03	0.03	0%			
Aroclor-1016 Peak # 3	B	267.8	ug/L	2.68	1.32	68%			
Aroclor-1016 Peak # 4	B	2.654	ug/L	0.03	0.01	103%			
Aroclor-1016 Peak # 5	B	0.7811	ug/L	0.01	0.38	192%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	55.09	ug/L	0.55 ^{FP}	0.80	37%	0.50		x u
Aroclor-1260 Peak # 1	B	47.99	ug/L	0.48	0.34	35%			
Aroclor-1260 Peak # 2	B	33.89	ug/L	0.34	0.01	192%			
Aroclor-1260 Peak # 3	B	91.69	ug/L	0.92	0.23	120%			
Aroclor-1260 Peak # 4	B	3.218	ug/L	0.03	3.14	196%			
Aroclor-1260 Peak # 5	B	98.63	ug/L	0.99	0.28	112%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.11	pg/uL	0.5000	0.3711	74	19-121	u
Decachlorobiphenyl (PCB)	B	42.89	pg/uL	0.5000	0.4289	86	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10743698	-2.03
1-bromo-2-nitrobenzene (PCB)	A	47936344	45484925	-5.11

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	???	-100.00 *
1-bromo-2-nitrobenzene (1248)	B	12686726	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	???	
1-bromo-2-nitrobenzene (1248)	B	4.44	???	

07/23/24 : WIPE/1dm3-10ML

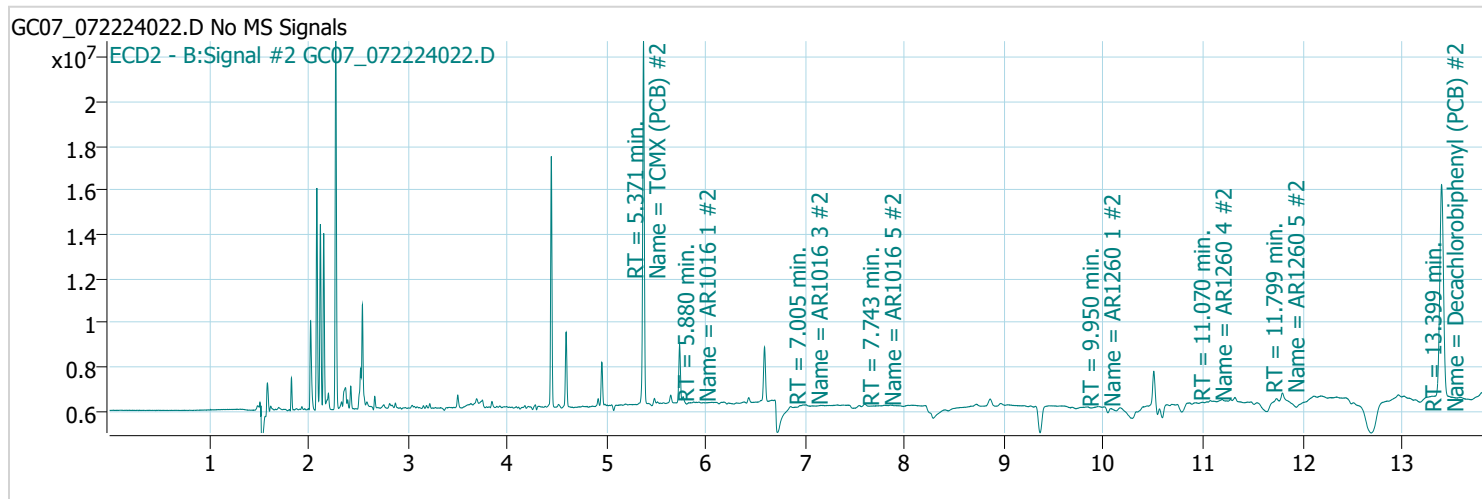
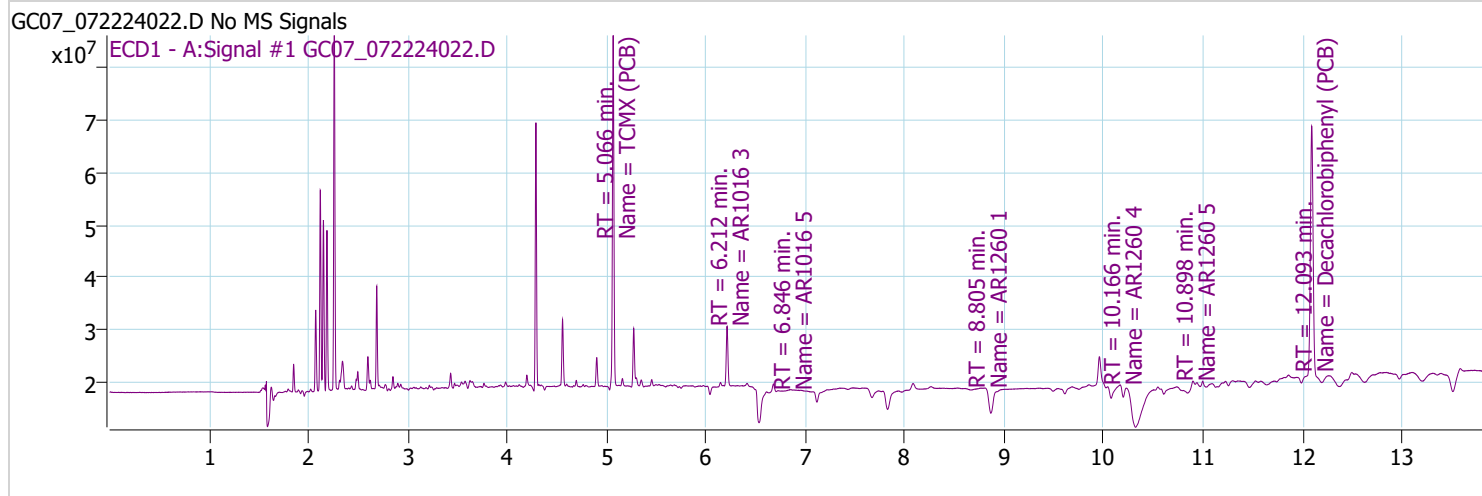
+=high bias c=CCV u=use x=false positive

Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 3:52:51 PM
Sample Name	512355-005, 345600, 1	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	45484925.2 50	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10743697.7 31	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.066	0.0	71953140.4 39	33.7695	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.85%	*	
S TCMX (PCB) #2	5.371	0.0	19122999.8 30	37.1089	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.54%	*	
S Decachlorobiphenyl (PCB)	12.093	0.0	94307162.4 32	37.6058	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.03%	*	
S Decachlorobiphenyl (PCB) #2	13.399	0.0	25174660.0 05	42.8922	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.46%	*	

Target Compounds

QValue

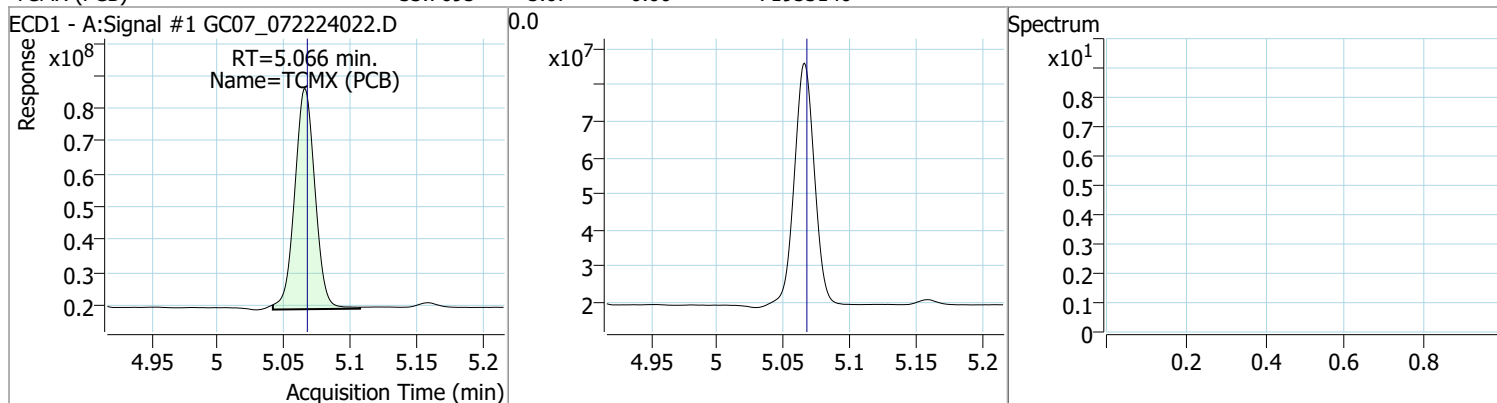
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.454	0.0	1449894.90 1	36.4679	ng/ml	100
T AR1016 2	5.731	0.0	254044.201	3.0758	ng/ml	100
T AR1016 1 #2	5.880	0.0	366140.243	32.2768	ng/ml	100
T AR1016 3	6.212	0.0	14242010.3 18	132.3296	ng/ml	100
T AR1016 2 #2	6.306	0.0	72132.063	3.0777	ng/ml	100
T AR1016 4	6.361	0.0	58526.622	0.8468	ng/ml	100
T AR1016 5	6.846	0.0	2323196.08 3	38.2421	ng/ml	100
T AR1016 3 #2	7.005	0.0	7826581.41 3	267.7524	ng/ml	100
T AR1016 4 #2	7.073	0.0	57357.447	2.6544	ng/ml	100
T AR1016 5 #2	7.743	0.0	13651.012	0.7811	ng/ml	100
T AR1260 1	8.805	0.0	4106204.86 5	33.7017	ng/ml	100
T AR1260 2	9.267	0.0	122655.977	0.6591	ng/ml	100
T AR1260 3	9.684	0.0	4612806.61 5	23.0390	ng/ml	100
T AR1260 1 #2	9.950	0.0	1491704.21 9	47.9919	ng/ml	100
T AR1260 4	10.166	0.0	36377196.7 57	314.2673	ng/ml	100
T AR1260 2 #2	10.167	0.0	1323384.04 5	33.8914	ng/ml	100
T AR1260 3 #2	10.683	0.0	4309532.09 0	91.6887	ng/ml	100
T AR1260 5	10.898	0.0	3833989.55 8	27.6604	ng/ml	100
T AR1260 4 #2	11.070	0.0	95645.438	3.2182	ng/ml	100
T AR1260 5 #2	11.799	0.0	4351990.59 2	98.6349	ng/ml	100

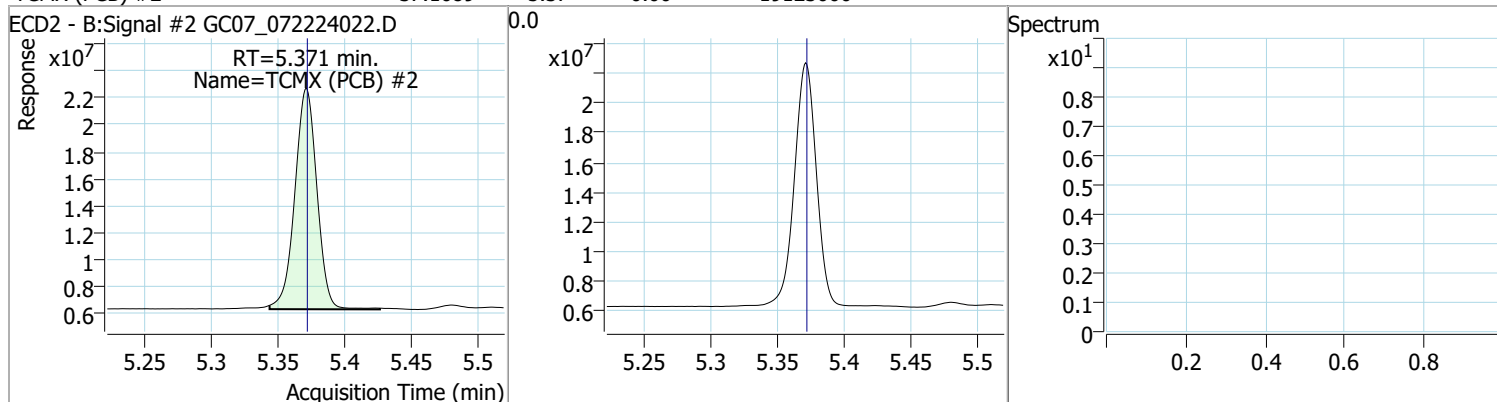
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

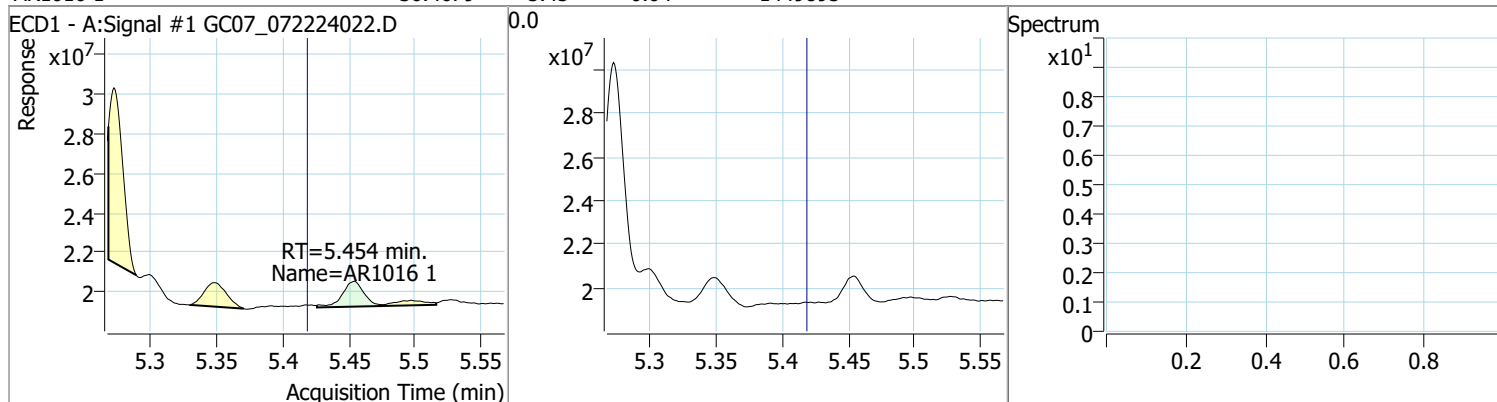
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.7695	5.07	0.00	71953140				



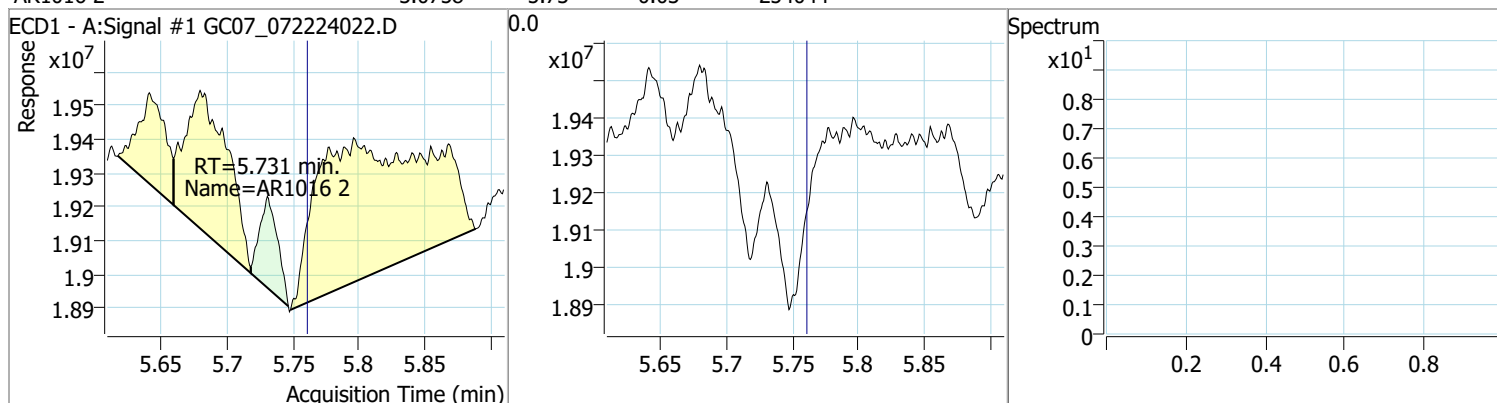
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.1089	5.37	0.00	19123000				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	36.4679	5.45	0.04	1449895				

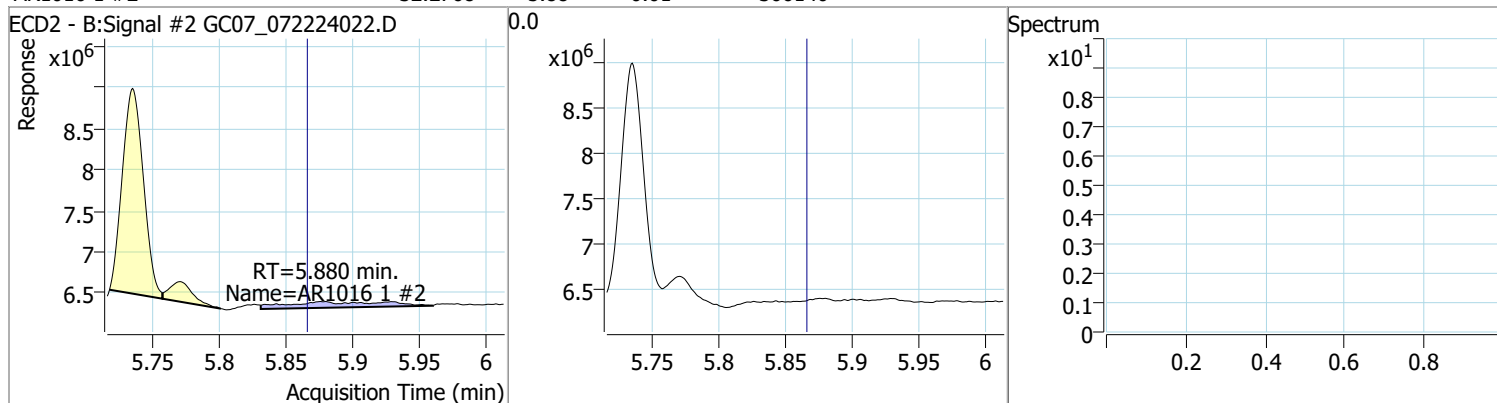


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.0758	5.73	-0.03	254044				

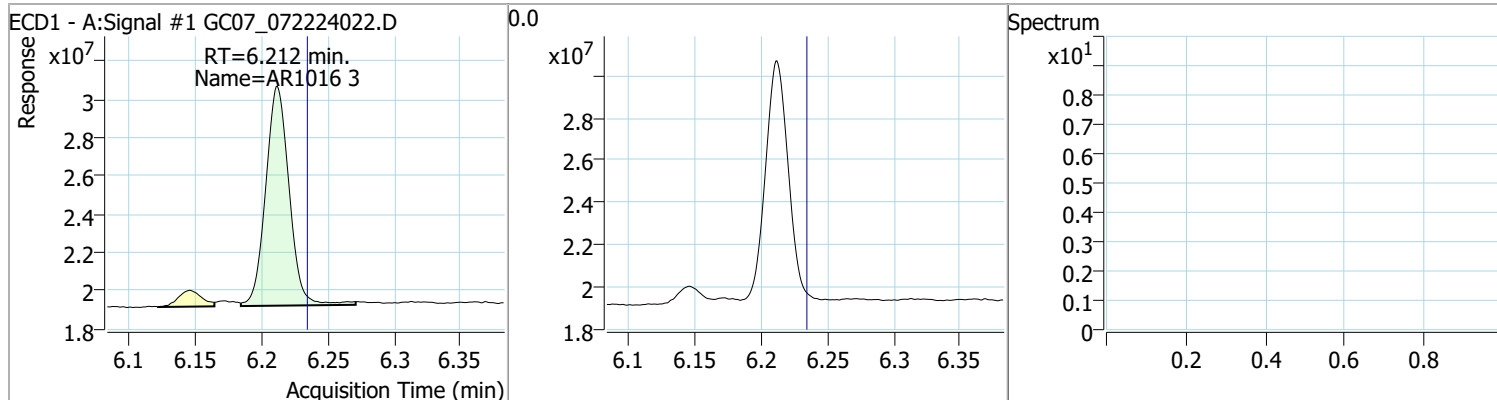


Quantitation Results Report (Not Reviewed)

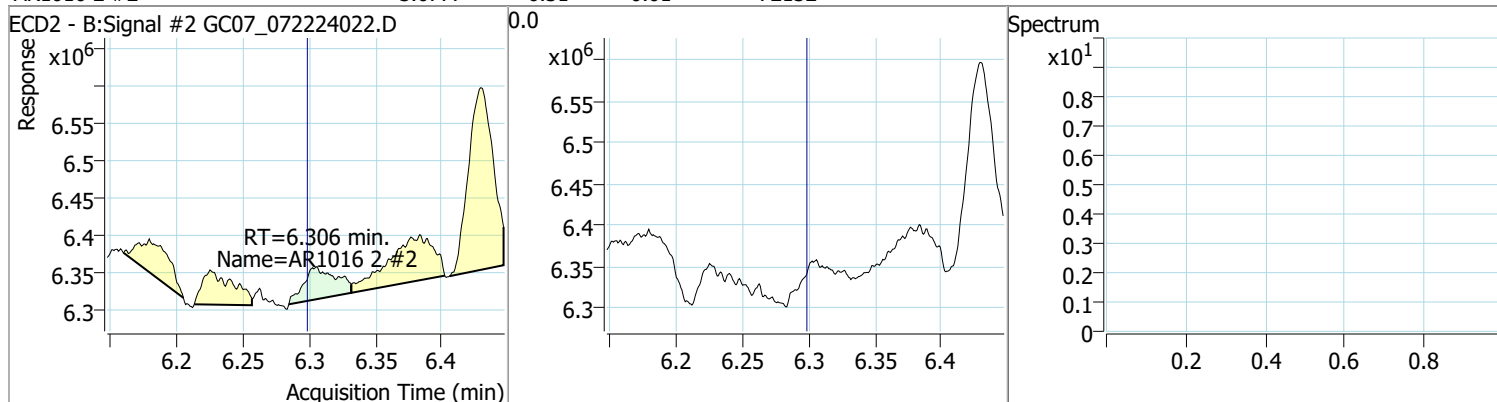
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	32.2768	5.88	0.01	366140				



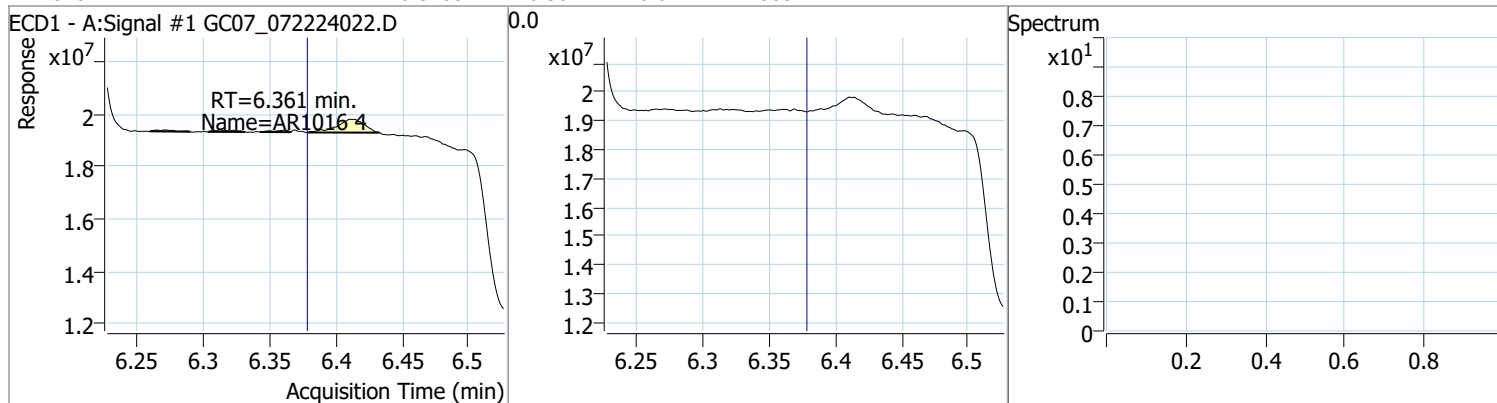
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	132.3296	6.21	-0.02	14242010				



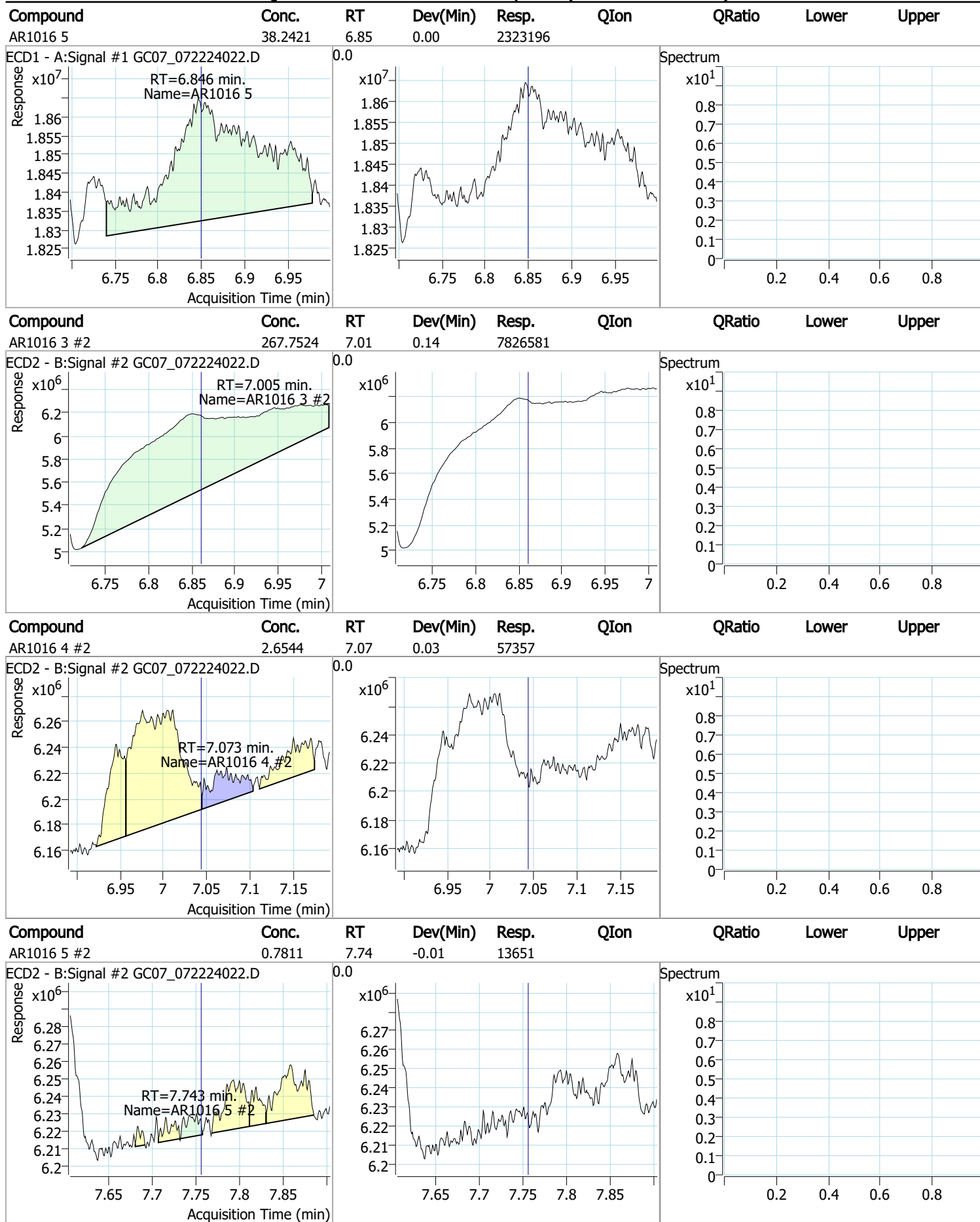
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.0777	6.31	0.01	72132				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.8468	6.36	-0.02	58527				



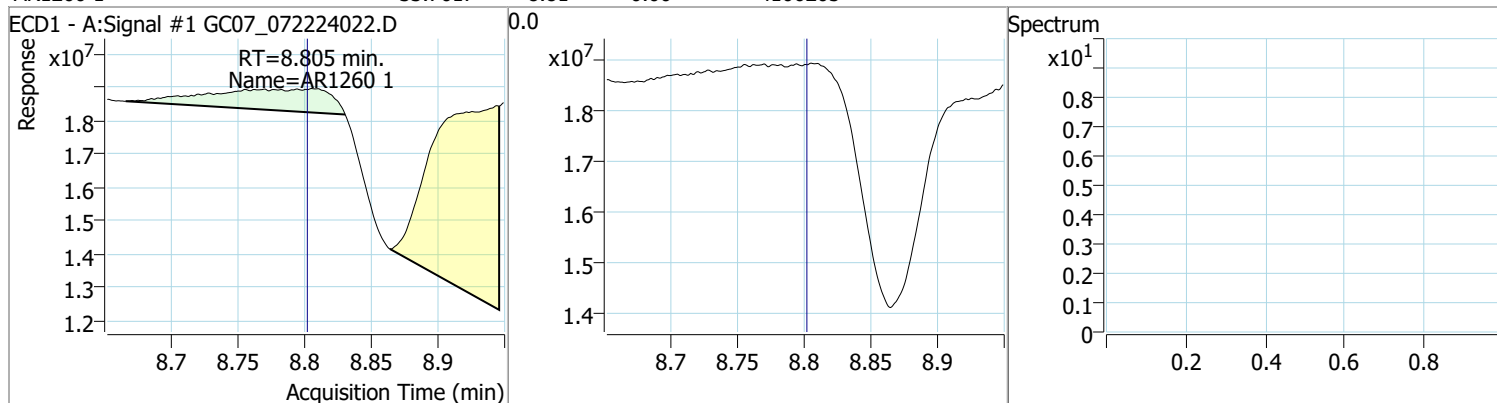
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

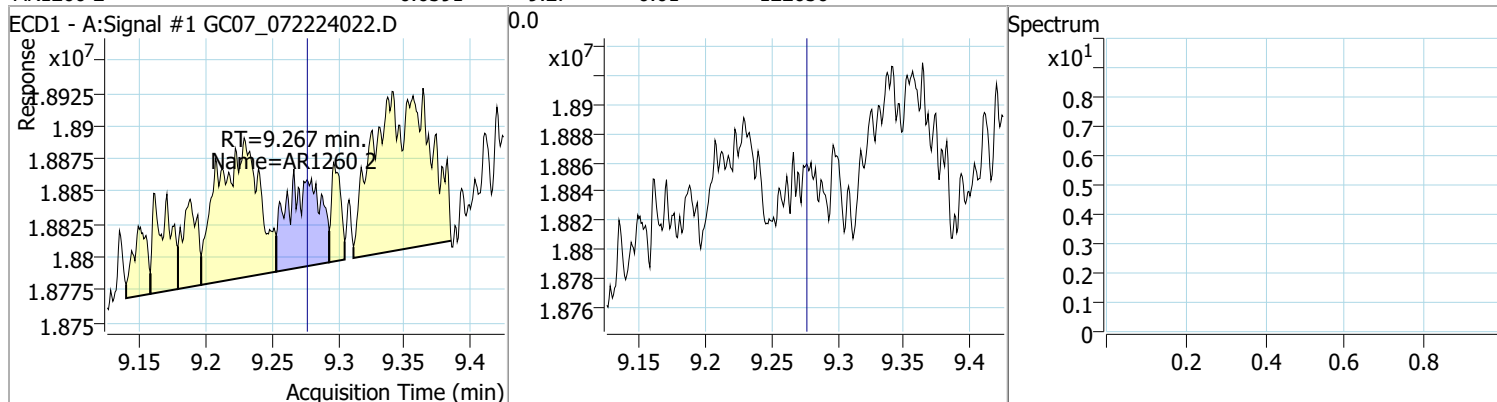
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 33.7017 8.81 0.00 4106205



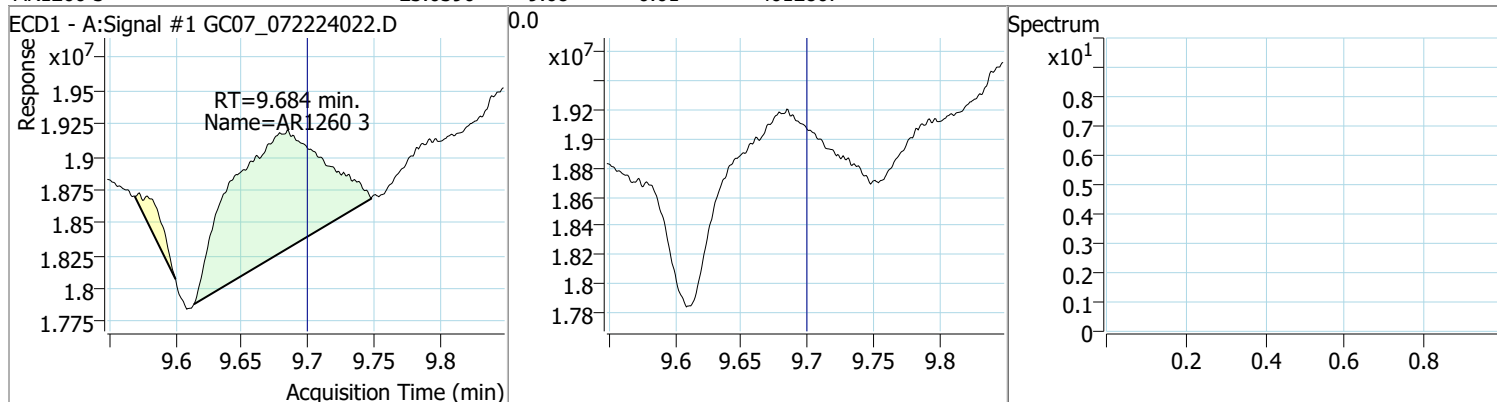
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 0.6591 9.27 -0.01 122656



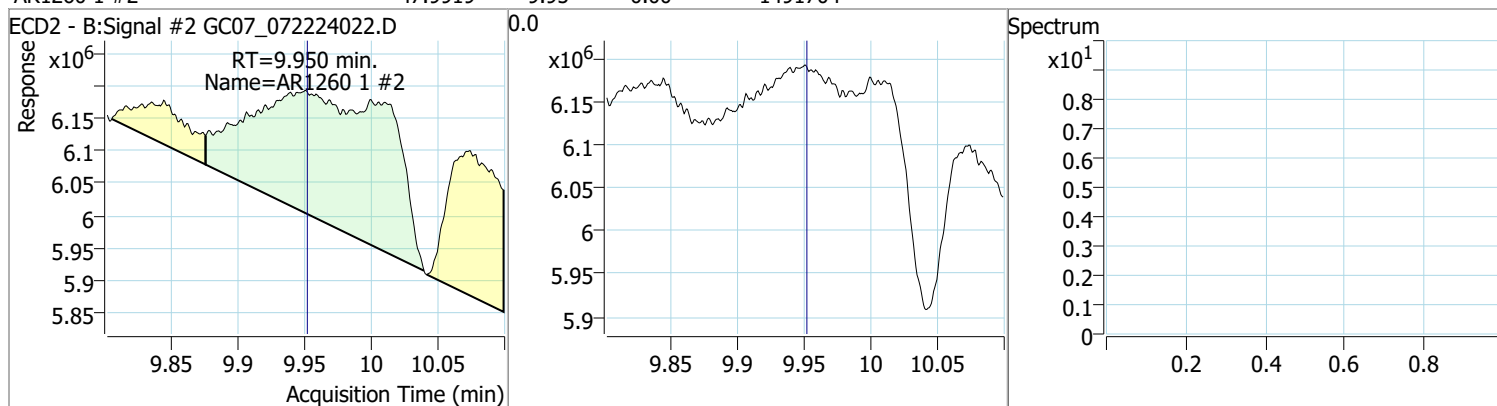
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 23.0390 9.68 -0.01 4612807

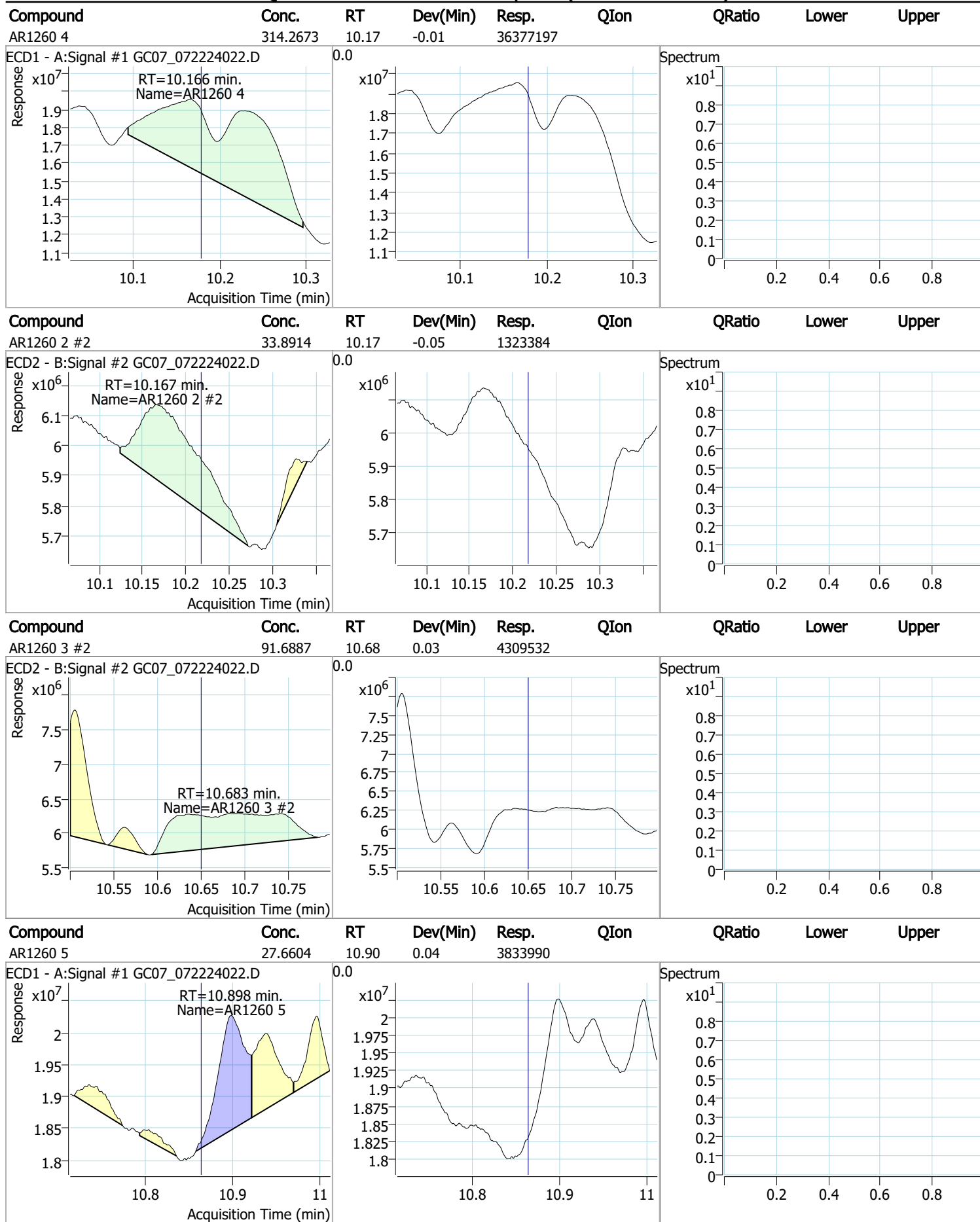


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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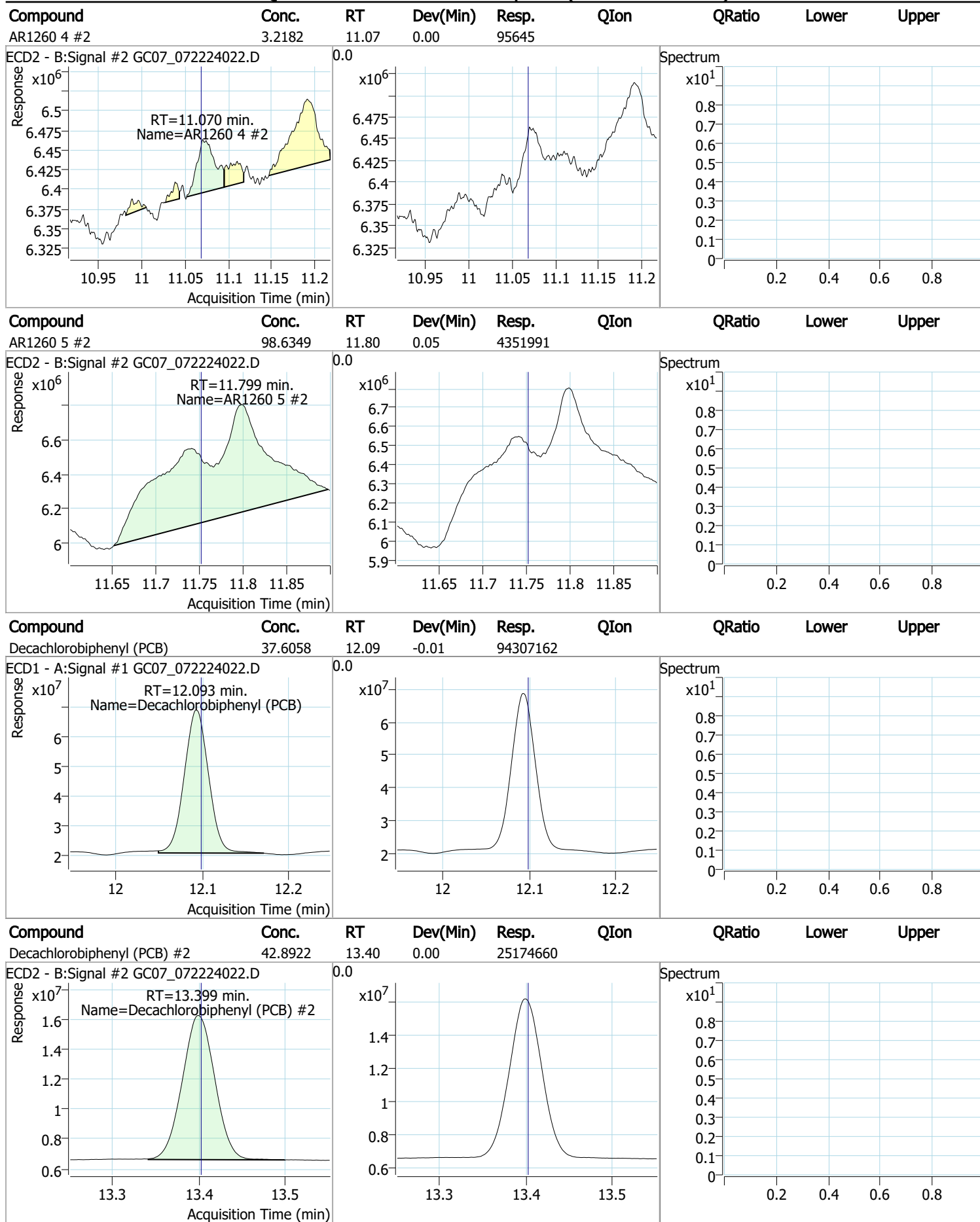
AR1260 1 #2 47.9919 9.95 0.00 1491704



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 512355-008	Client ID: DOOR-S-15.4GW-PS-20-240718-P-G
Seqnum: 464294361023	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_072224023	Batch: 345600	Time: 22-JUL-2024 16:10
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	13.90	ug/L	ND	ND	71%	0.50		u
Aroclor-1016 Peak # 1	B	19.73	ug/L	0.20	0.39	65%			
Aroclor-1016 Peak # 2	B	2.021	ug/L	0.02	0.27	172%			
Aroclor-1016 Peak # 3	B	42.52	ug/L	0.43	0.47	9%			
Aroclor-1016 Peak # 4	B	3.265	ug/L	0.03	ND				
Aroclor-1016 Peak # 5	B	1.971	ug/L	0.02	0.33	178%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	70.97	ug/L	0.71 FP	0.88	21%	0.50		x u
Aroclor-1260 Peak # 1	B	90.98	ug/L	0.91	2.35	88%			
Aroclor-1260 Peak # 2	B	46.58	ug/L	0.47	0.01	195%			
Aroclor-1260 Peak # 3	B	117.1	ug/L	1.17	0.37	103%			
Aroclor-1260 Peak # 4	B	0.9128	ug/L	0.01	1.25	197%			
Aroclor-1260 Peak # 5	B	99.28	ug/L	0.99	0.40	85%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.35	pg/uL	0.5000	0.3935	79	19-121	u
Decachlorobiphenyl (PCB)	B	46.48	pg/uL	0.5000	0.4648	93	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10161390	-7.34
1-bromo-2-nitrobenzene (PCB)	A	47936344	45982133	-4.08

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	???	-100.00 *
1-bromo-2-nitrobenzene (1248)	B	12686726	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	???	
1-bromo-2-nitrobenzene (1248)	B	4.44	???	

07/23/24 : WIPE/1dm3-10ML

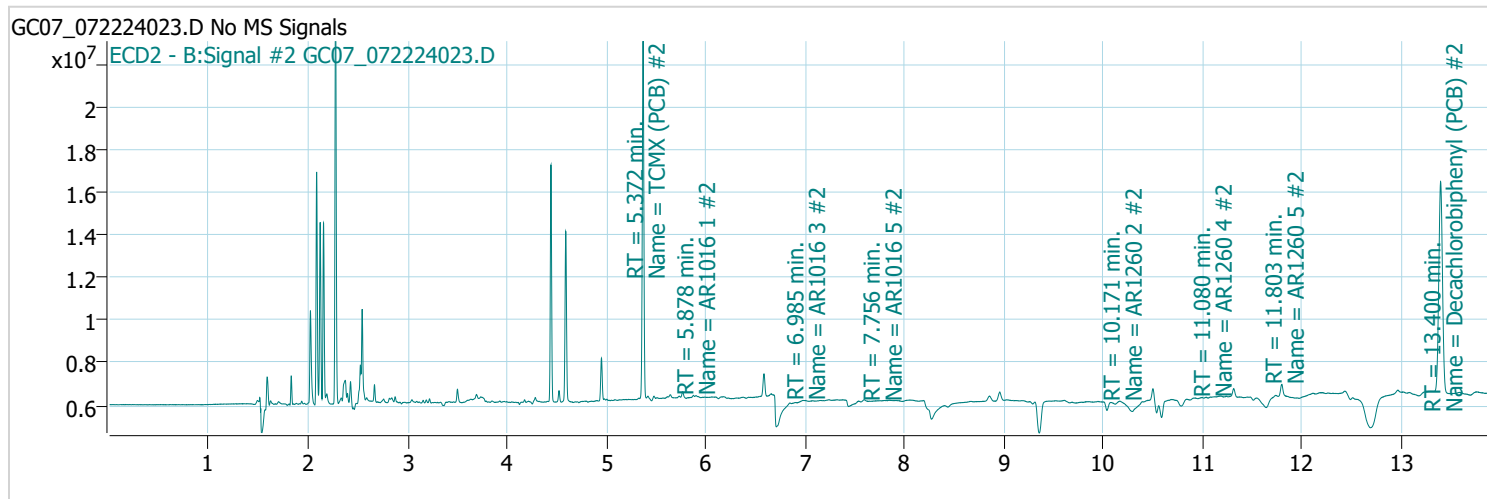
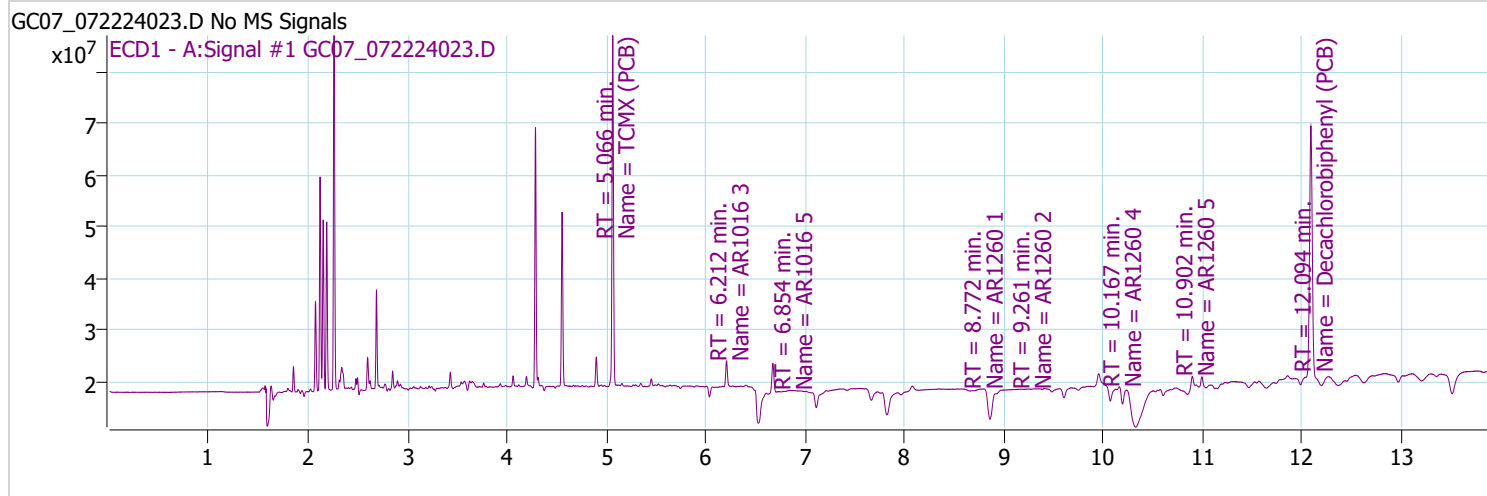
+=high bias c=CCV u=use x=false positive

Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 4:10:19 PM
Sample Name	512355-008, 345600, 1	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	45982133.2 37	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.444	0.0	10161390.4 95	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	5.066	0.0	71471136.9 22	33.1806	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.90%	*	
S TCMX (PCB) #2	5.372	0.0	19176975.7 96	39.3462	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.73%	*	
S Decachlorobiphenyl (PCB)	12.094	0.0	102198902. 959	40.3121	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.56%	*	
S Decachlorobiphenyl (PCB) #2	13.400	0.0	25802557.9 84	46.4812	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 232.41%	*	

Target Compounds

QValue

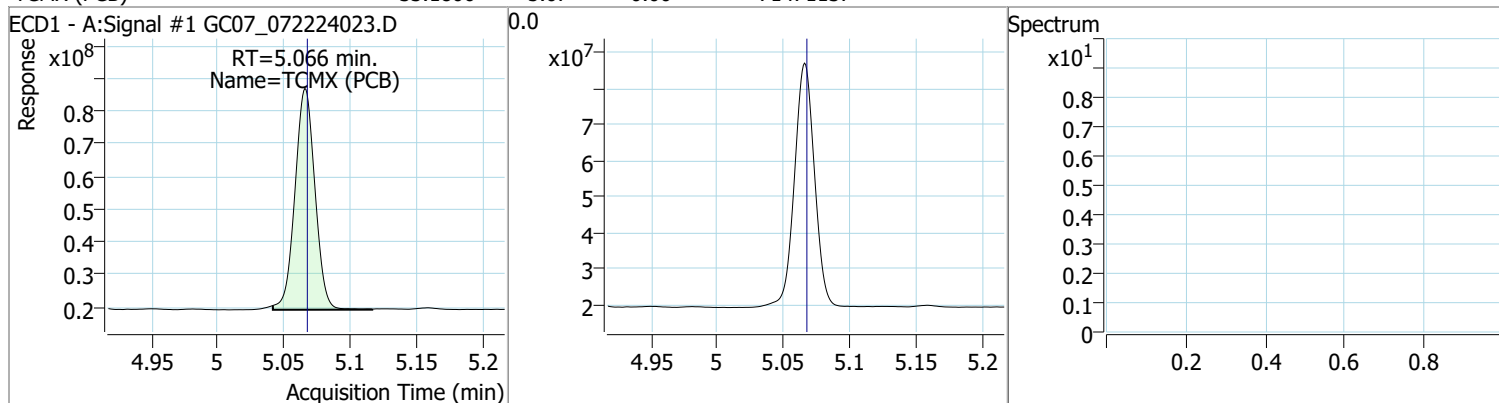
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.454	0.0	1558974.63 2	38.7874	ng/ml	100
T AR1016 2	5.836	0.0	2250367.56 1	26.9515	ng/ml	100
T AR1016 1 #2	5.878	0.0	211701.901	19.7318	ng/ml	100
T AR1016 3	6.212	0.0	6394276.49 3	46.6124	ng/ml	100
T AR1016 2 #2	6.310	0.0	44807.716	2.0214	ng/ml	100
T AR1016 4	0.000		0	N.D.		
T AR1016 5	6.854	0.0	2031001.35 2	33.0708	ng/ml	100
T AR1016 3 #2	6.985	0.0	1175495.85 8	42.5190	ng/ml	100
T AR1016 4 #2	7.081	0.0	66719.990	3.2646	ng/ml	100
T AR1016 5 #2	7.756	0.0	32580.863	1.9711	ng/ml	100
T AR1260 1	8.772	0.0	28930974.6 68	234.8837	ng/ml	100
T AR1260 2	9.261	0.0	120325.225	0.6396	ng/ml	100
T AR1260 3	9.684	0.0	7574724.54 4	37.4235	ng/ml	100
T AR1260 1 #2	9.958	0.0	2674549.61 8	90.9780	ng/ml	100
T AR1260 4	10.167	0.0	14668260.3 80	125.3508	ng/ml	100
T AR1260 2 #2	10.171	0.0	1720142.86 7	46.5767	ng/ml	100
T AR1260 3 #2	10.687	0.0	5206302.83 2	117.1159	ng/ml	100
T AR1260 5	10.902	0.0	5630132.54 4	40.1796	ng/ml	100
T AR1260 4 #2	11.080	0.0	25658.015	0.9128	ng/ml	100
T AR1260 5 #2	11.803	0.0	4143059.83 5	99.2806	ng/ml	100

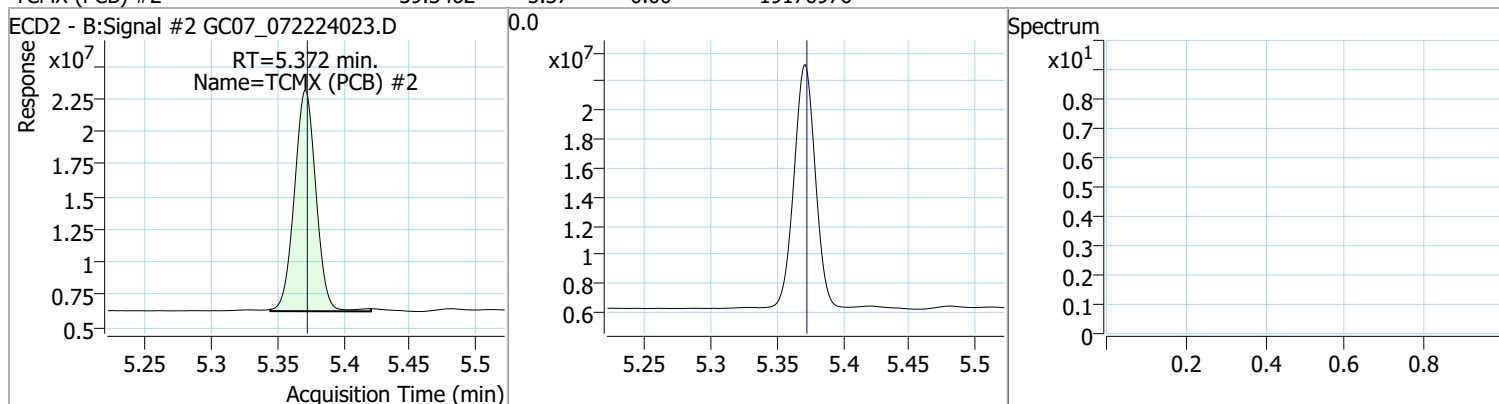
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

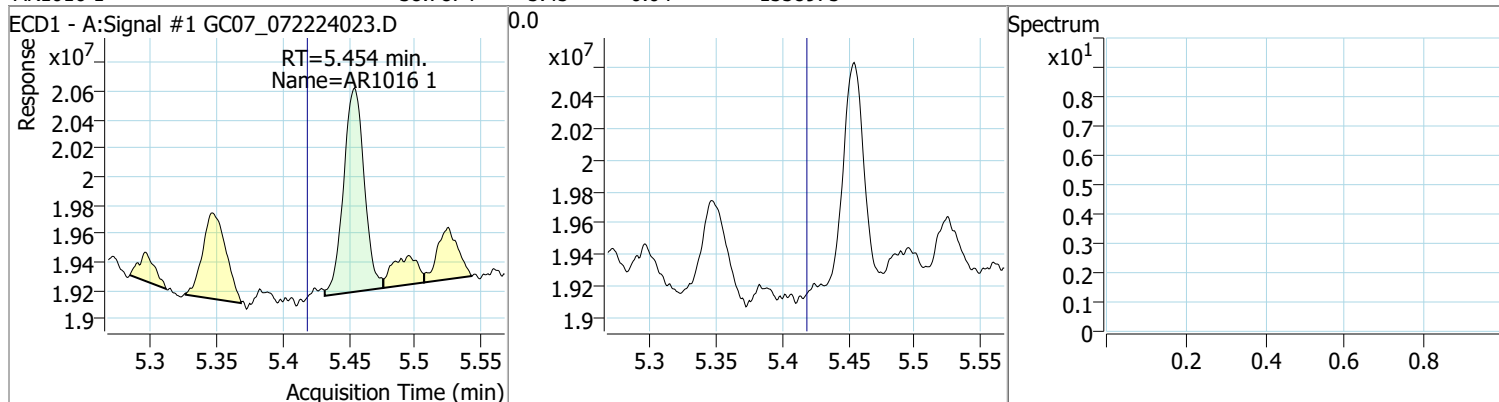
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.1806	5.07	0.00	71471137				



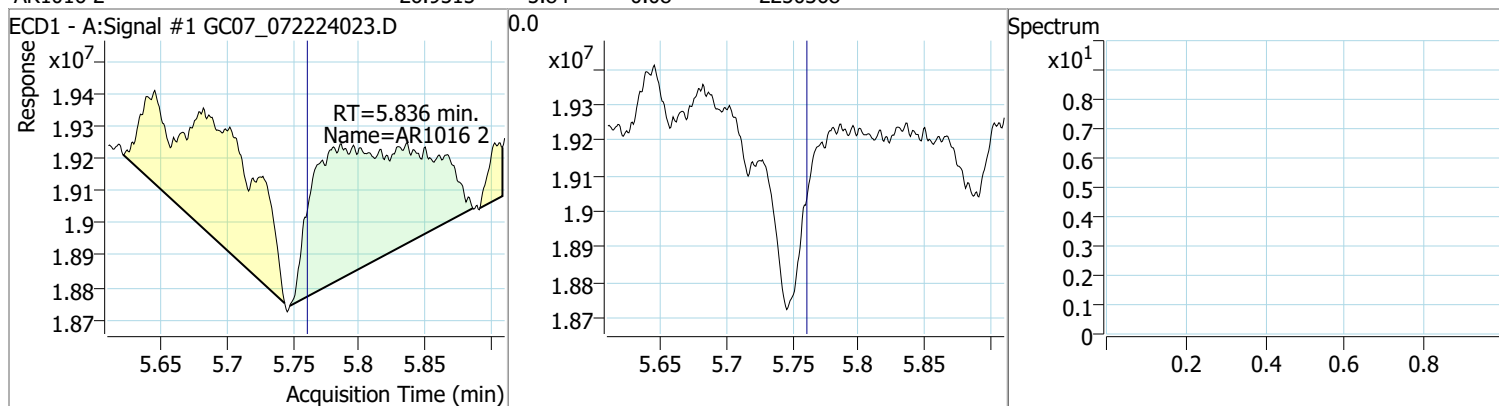
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3462	5.37	0.00	19176976				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	38.7874	5.45	0.04	1558975				

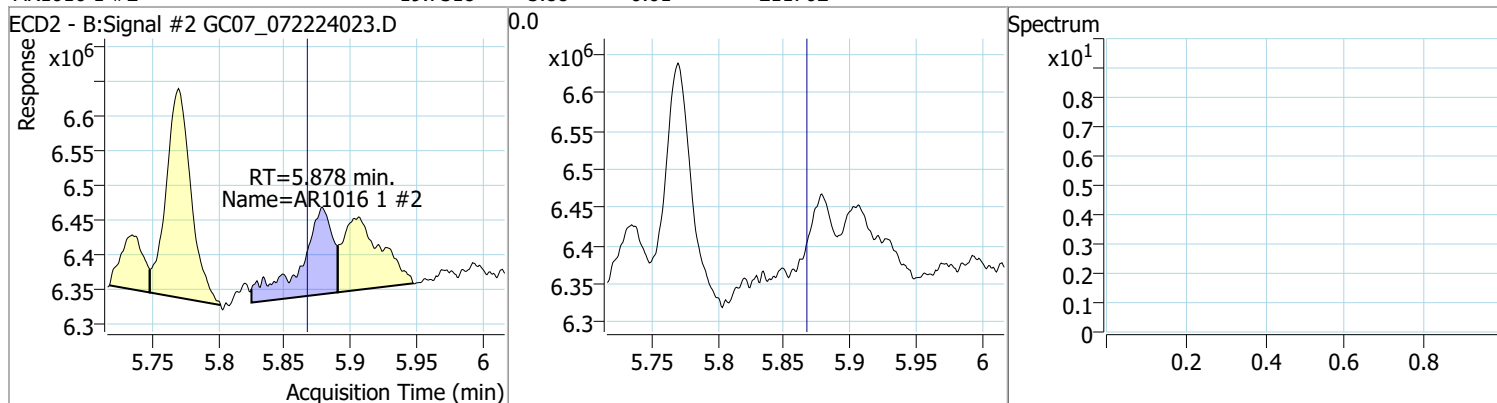


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.9515	5.84	0.08	2250368				

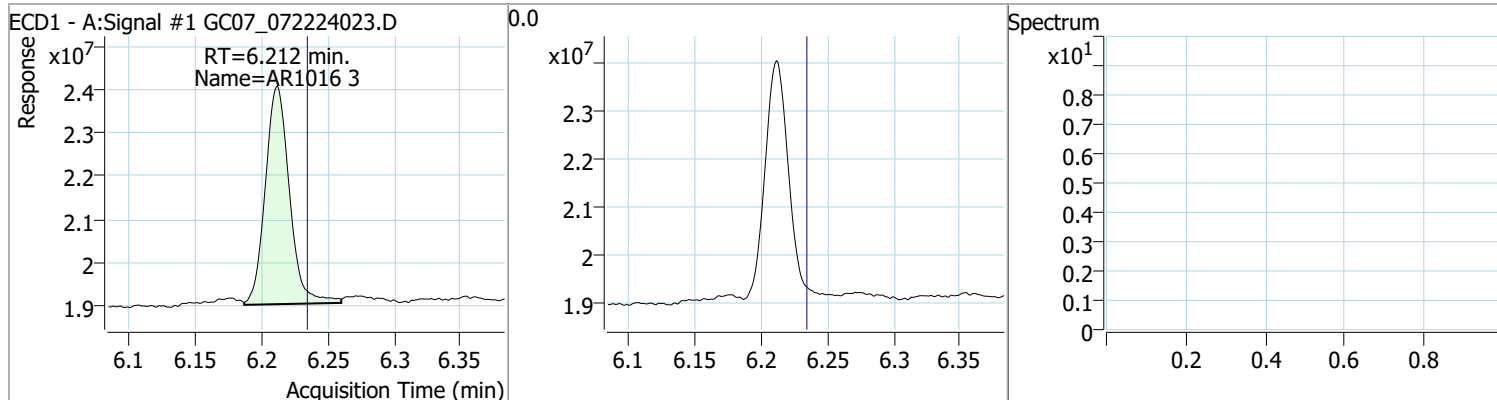


Quantitation Results Report (Not Reviewed)

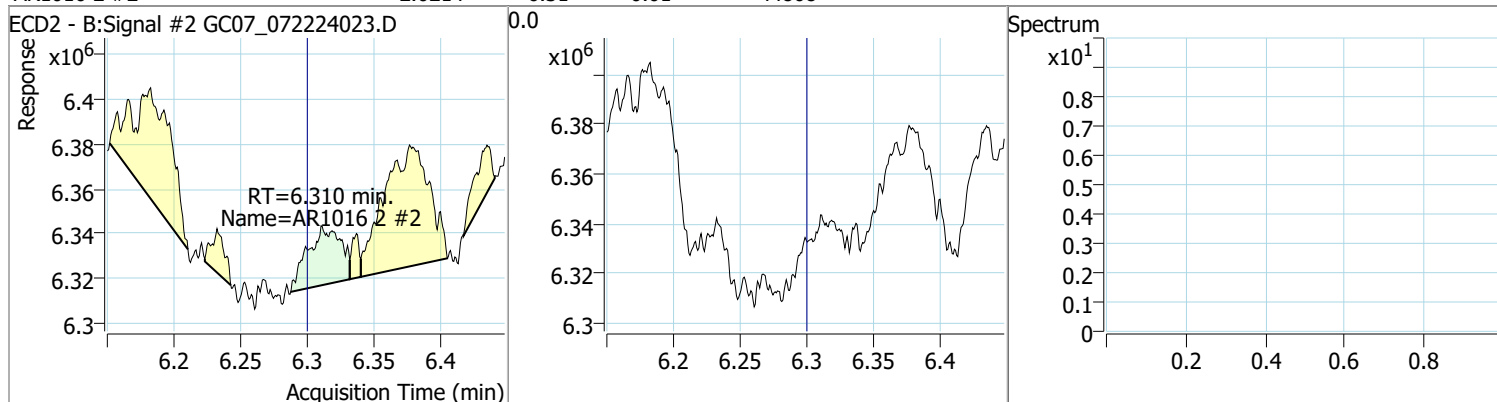
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	19.7318	5.88	0.01	211702				



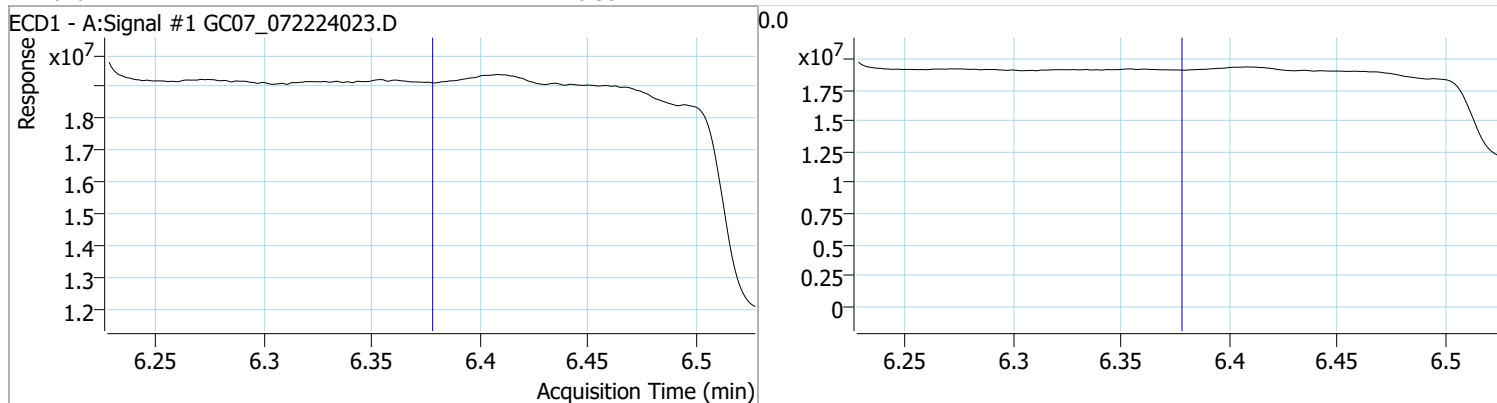
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	46.6124	6.21	-0.02	6394276				



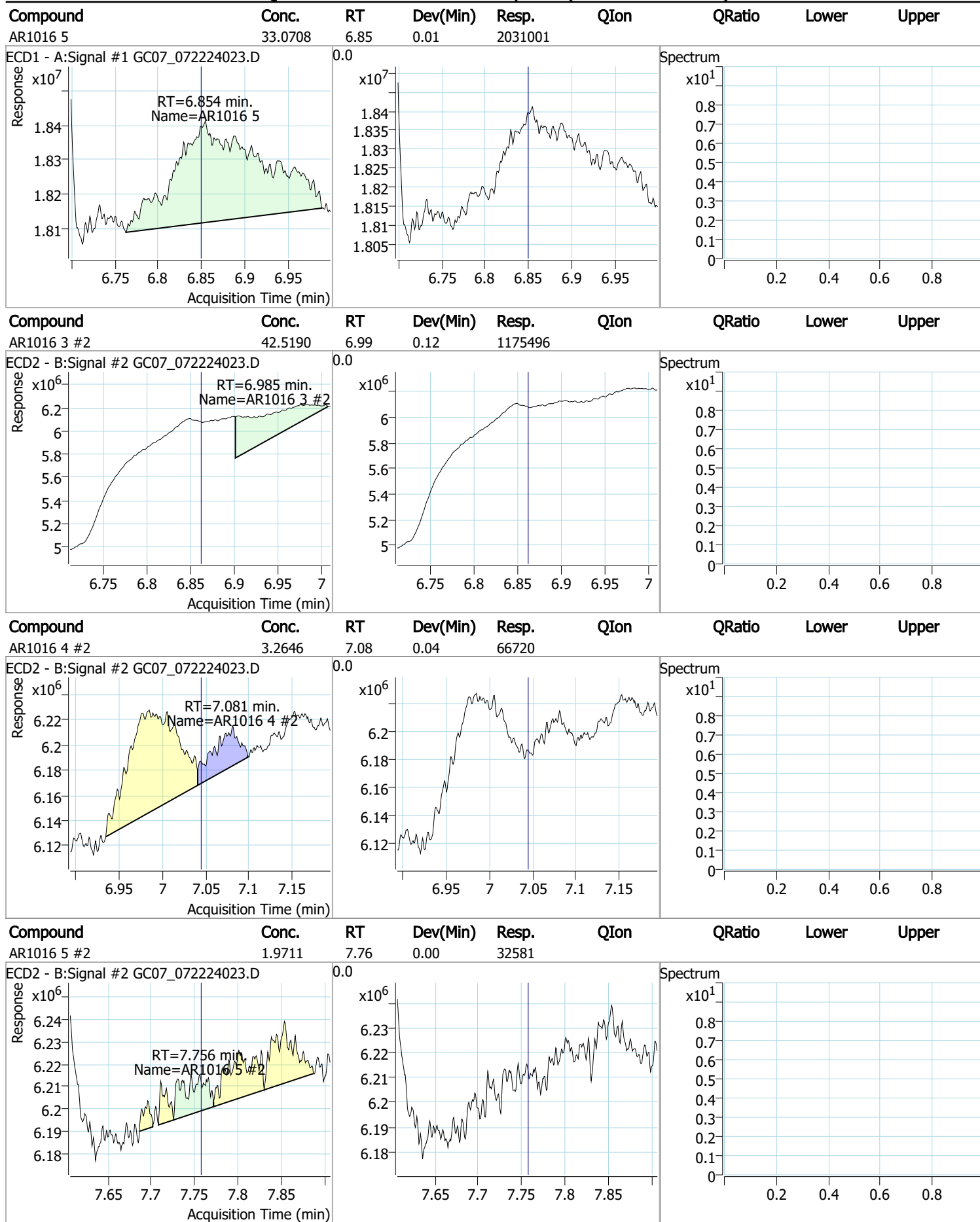
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.0214	6.31	0.01	44808				



Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4	N.D.	6.38		



Quantitation Results Report (Not Reviewed)

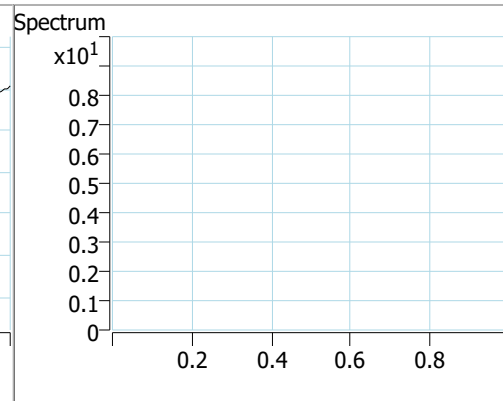
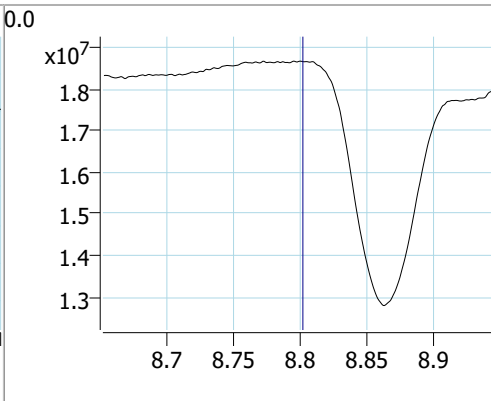
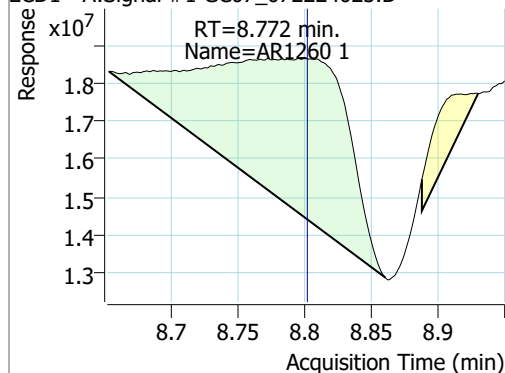


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 234.8837 8.77 -0.03 28930975

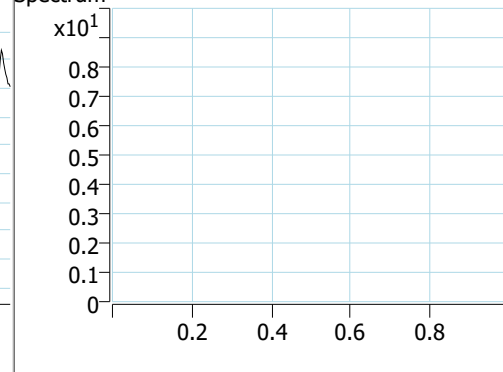
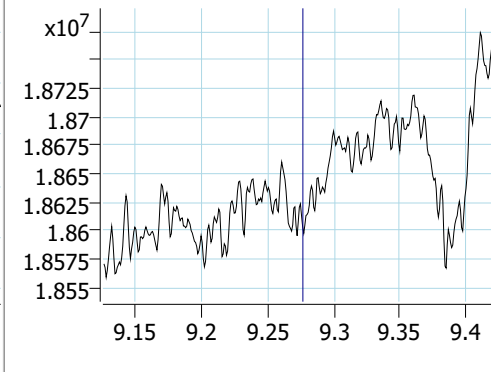
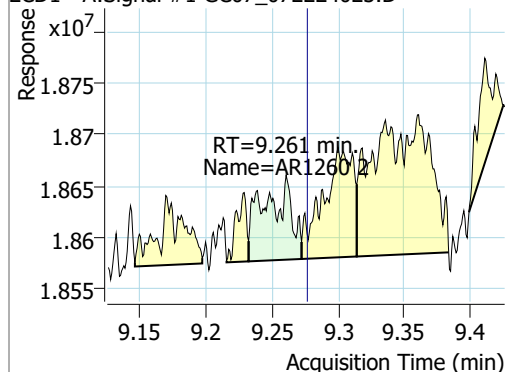
ECD1 - A:Signal #1 GC07_072224023.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 0.6396 9.26 -0.02 120325

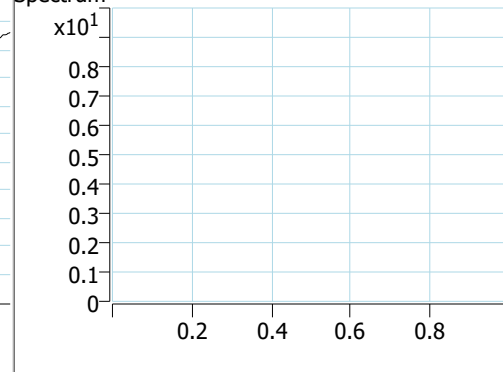
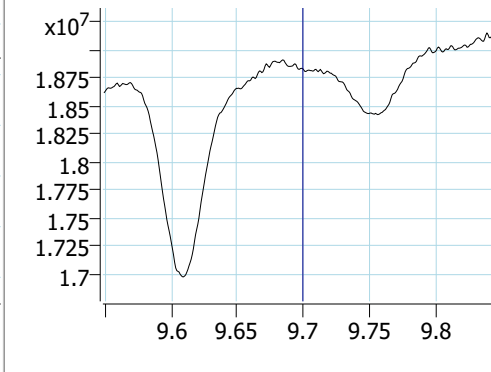
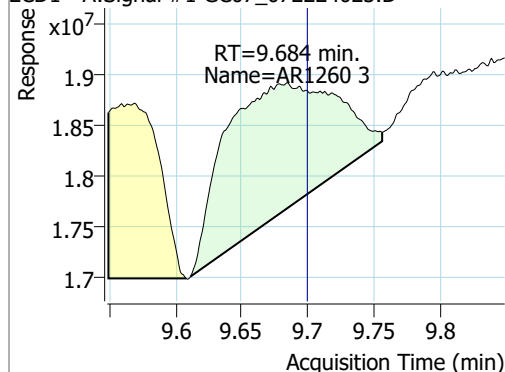
ECD1 - A:Signal #1 GC07_072224023.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 37.4235 9.68 -0.01 7574725

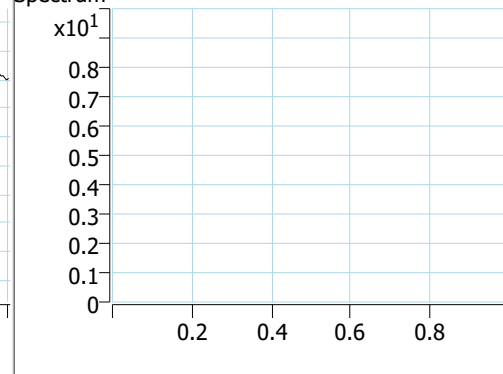
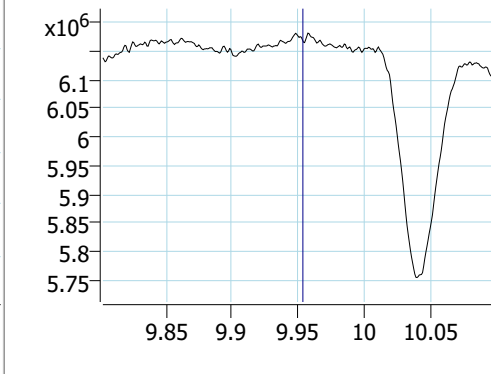
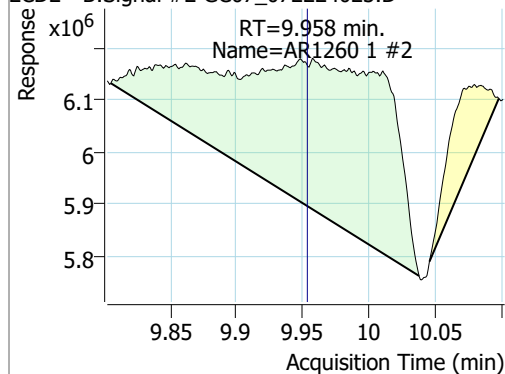
ECD1 - A:Signal #1 GC07_072224023.D



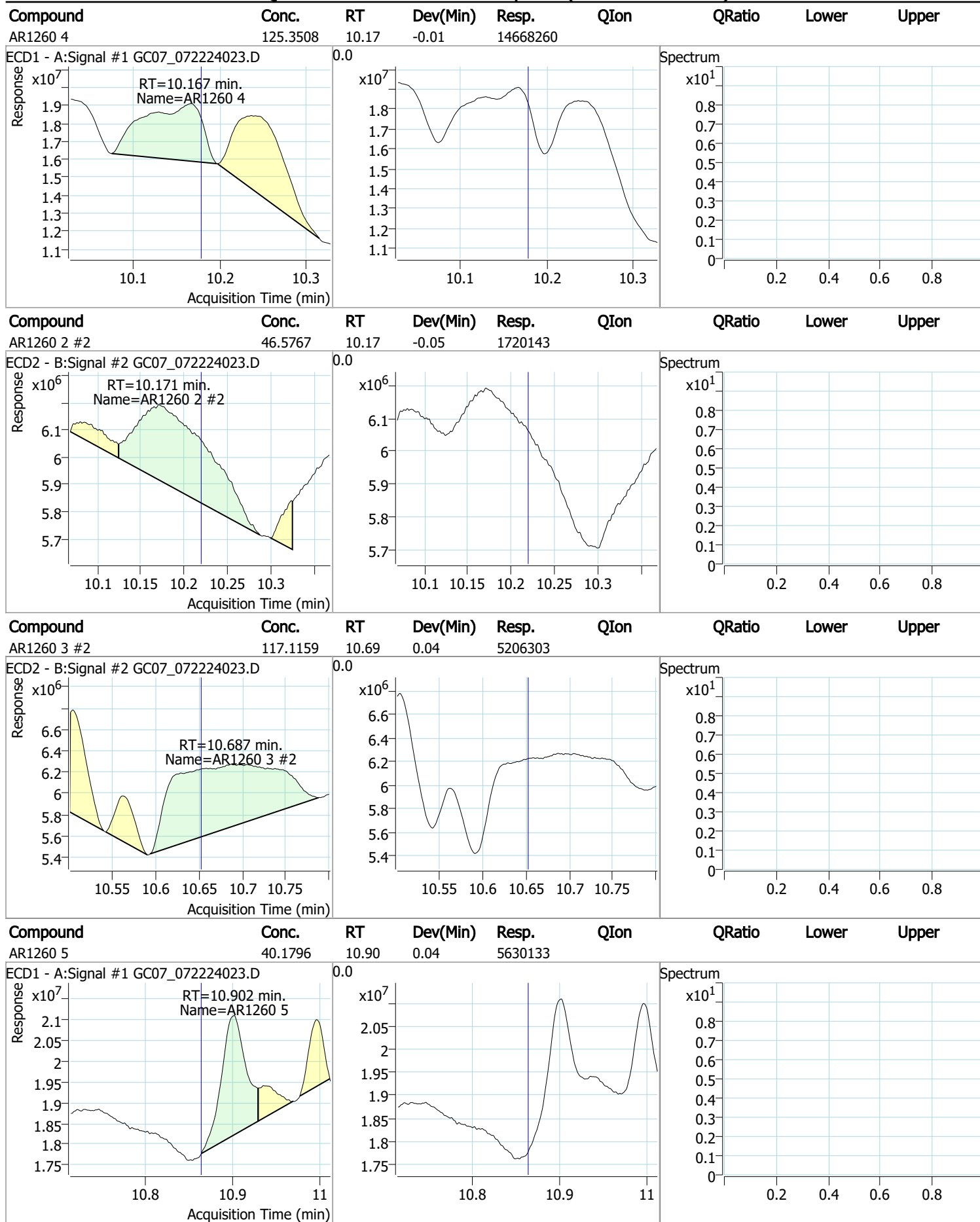
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 #2 90.9780 9.96 0.01 2674550

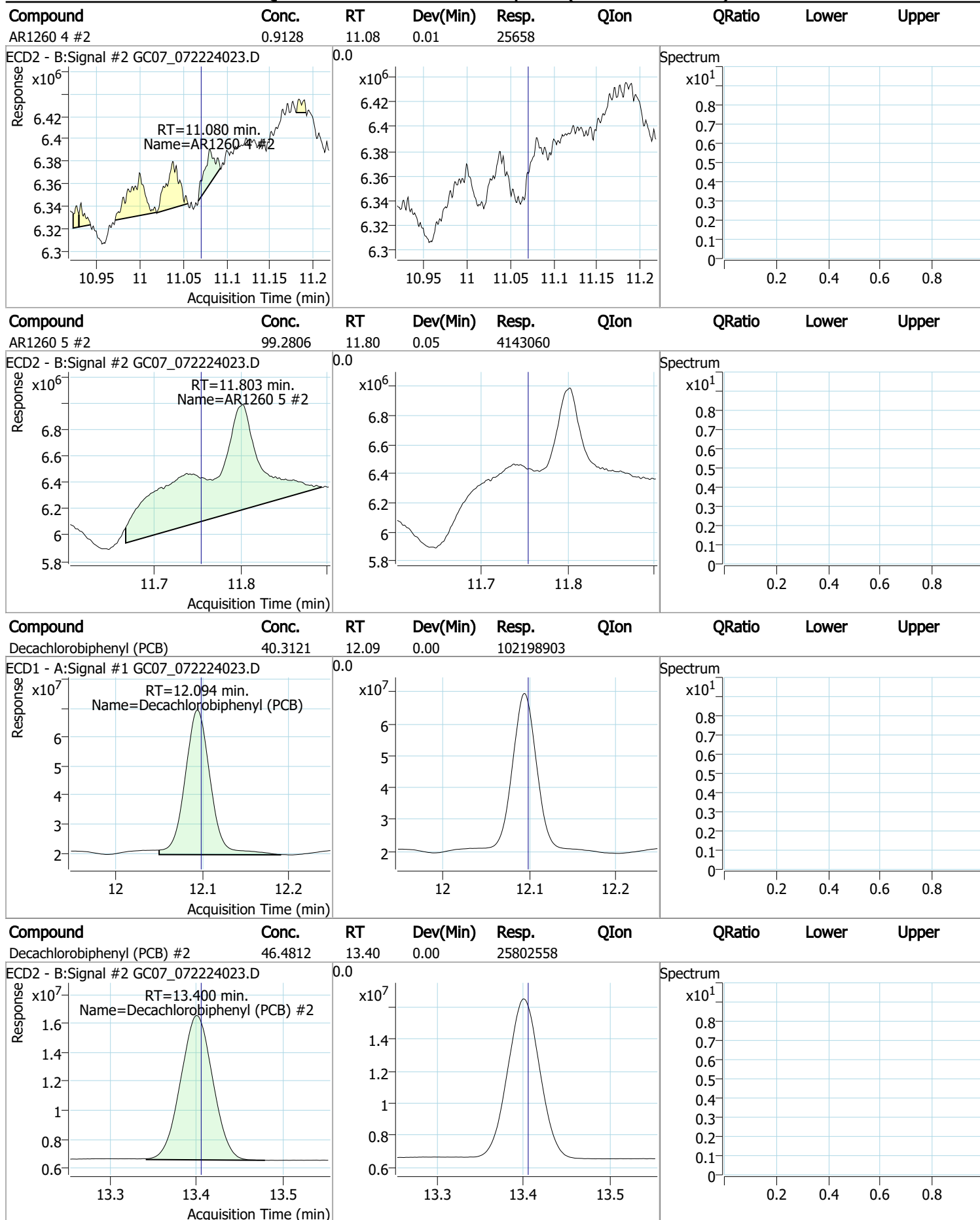
ECD2 - B:Signal #2 GC07_072224023.D



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 512355-010	Client ID: DOOR-S-15.3GW-INT-19 TO 20-240718-P-CB
Seqnum: 464294361024	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_072224024	Batch: 345600	Time: 22-JUL-2024 16:27
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	23.43	ug/L	ND	0.51	74%	0.50		u
Aroclor-1016 Peak # 1	B	69.02	ug/L	0.69	0.03	181%			
Aroclor-1016 Peak # 2	B	2.737	ug/L	0.03	0.17	146%			
Aroclor-1016 Peak # 3	B	22.33	ug/L	0.22	2.11	162%			
Aroclor-1016 Peak # 4	B	22.04	ug/L	0.22	0.01	175%			
Aroclor-1016 Peak # 5	B	1.017	ug/L	0.01	0.20	180%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	31.16	ug/L	ND	1.1	113%	0.50		u
Aroclor-1260 Peak # 1	B	2.535	ug/L	0.03	2.66	196%			
Aroclor-1260 Peak # 2	B	63.17	ug/L	0.63	0.04	178%			
Aroclor-1260 Peak # 3	B	16.63	ug/L	0.17	0.02	150%			
Aroclor-1260 Peak # 4	B	2.953	ug/L	0.03	2.24	195%			
Aroclor-1260 Peak # 5	B	70.51	ug/L	0.71	0.61	14%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	45.23	pg/uL	0.5000	0.4523	90	19-121	u
Decachlorobiphenyl (PCB)	B	50.61	pg/uL	0.5000	0.5061	101	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	8848074	-19.31
1-bromo-2-nitrobenzene (PCB)	A	47936344	39174748	-18.28

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	???	-100.00 *
1-bromo-2-nitrobenzene (1248)	B	12686726	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	???	
1-bromo-2-nitrobenzene (1248)	B	4.44	???	

07/23/24 : WIPE/1dm3-10ML

+=high bias c=CCV u=use

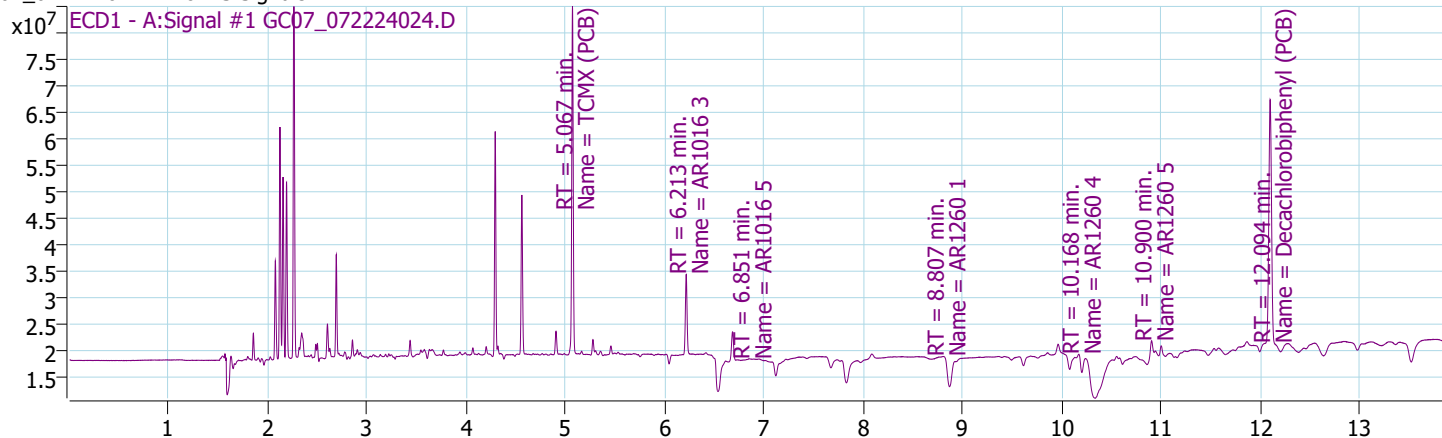
Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

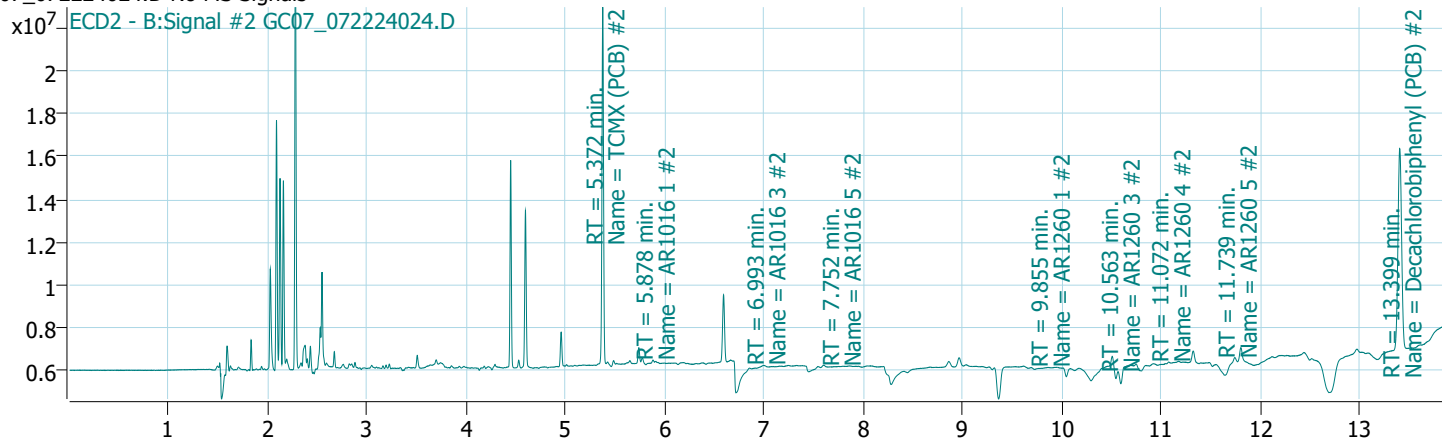
Quantitation Results Report (Not Reviewed)

Data File	GC07_072224024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 4:27:48 PM
Sample Name	512355-010, 345600, 1	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_072224024.D No MS Signals



GC07_072224024.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	39174747.9 64	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	8848073.79 5	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.067	0.0	70012557.4 33	38.1515	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.76%	*	
S TCMX (PCB) #2	5.372	0.0	19195674.2 11	45.2304	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.15%	*	
S Decachlorobiphenyl (PCB)	12.094	0.0	98166038.5 77	45.4499	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.25%	*	
S Decachlorobiphenyl (PCB) #2	13.399	0.0	24461919.5 55	50.6069	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 253.03%	*	

Target Compounds

QValue

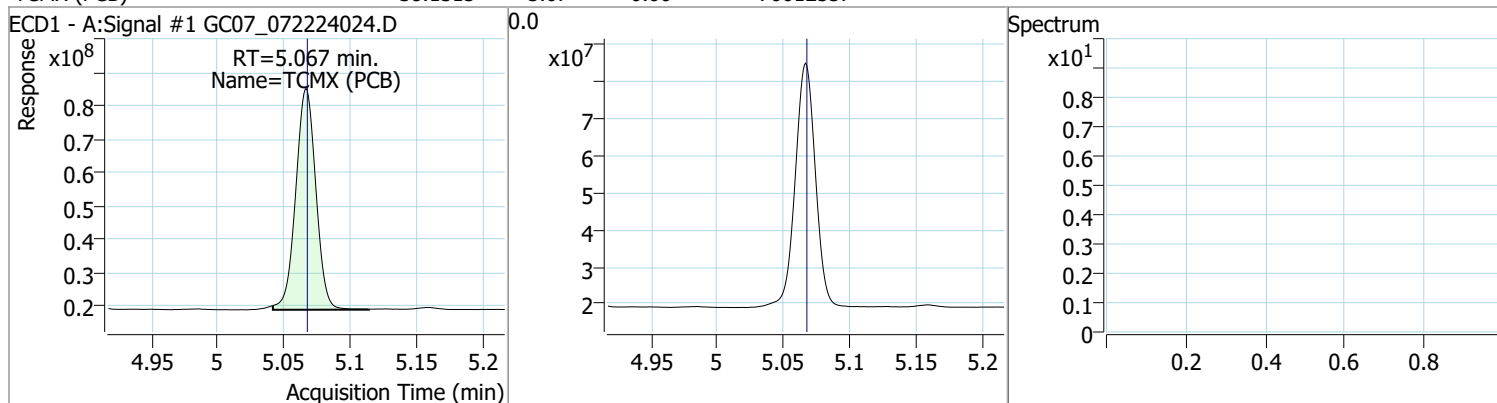
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.390	0.0	115380.346	3.3695	ng/ml	100
T AR1016 2	5.828	0.0	1235970.080	17.3748	ng/ml	100
T AR1016 1 #2	5.878	0.0	644805.657	69.0202	ng/ml	100
T AR1016 3	6.213	0.0	18606613.907	211.3353	ng/ml	100
T AR1016 2 #2	6.315	0.0	52831.947	2.7372	ng/ml	100
T AR1016 4	6.349	0.0	86715.690	1.4568	ng/ml	100
T AR1016 5	6.851	0.0	1036122.530	19.8029	ng/ml	100
T AR1016 3 #2	6.993	0.0	537667.860	22.3347	ng/ml	100
T AR1016 4 #2	6.993	0.0	392202.176	22.0391	ng/ml	100
T AR1016 5 #2	7.752	0.0	14634.929	1.0168	ng/ml	100
T AR1260 1	8.807	0.0	27938165.249	266.2383	ng/ml	100
T AR1260 2	9.251	0.0	577266.712	3.6019	ng/ml	100
T AR1260 3	9.808	0.0	412874.550	2.3943	ng/ml	100
T AR1260 1 #2	9.855	0.0	64884.822	2.5347	ng/ml	100
T AR1260 4	10.168	0.0	22380793.919	224.4951	ng/ml	100
T AR1260 2 #2	10.173	0.0	2031272.816	63.1650	ng/ml	100
T AR1260 3 #2	10.563	0.0	643645.092	16.6279	ng/ml	100
T AR1260 5	10.900	0.0	7312893.460	61.2574	ng/ml	100
T AR1260 4 #2	11.072	0.0	72276.255	2.9529	ng/ml	100
T AR1260 5 #2	11.739	0.0	2562072.262	70.5081	ng/ml	100

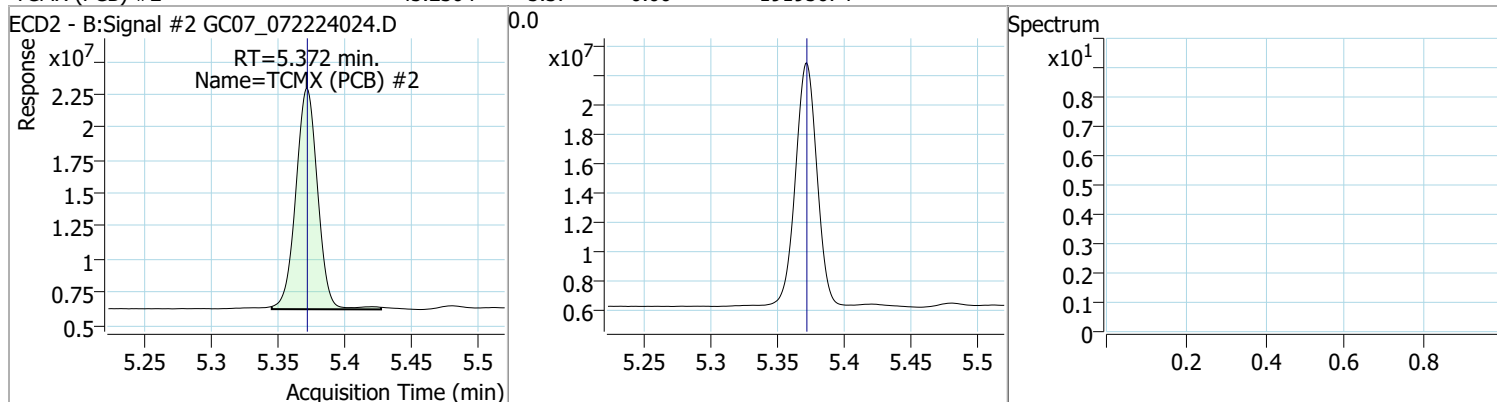
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

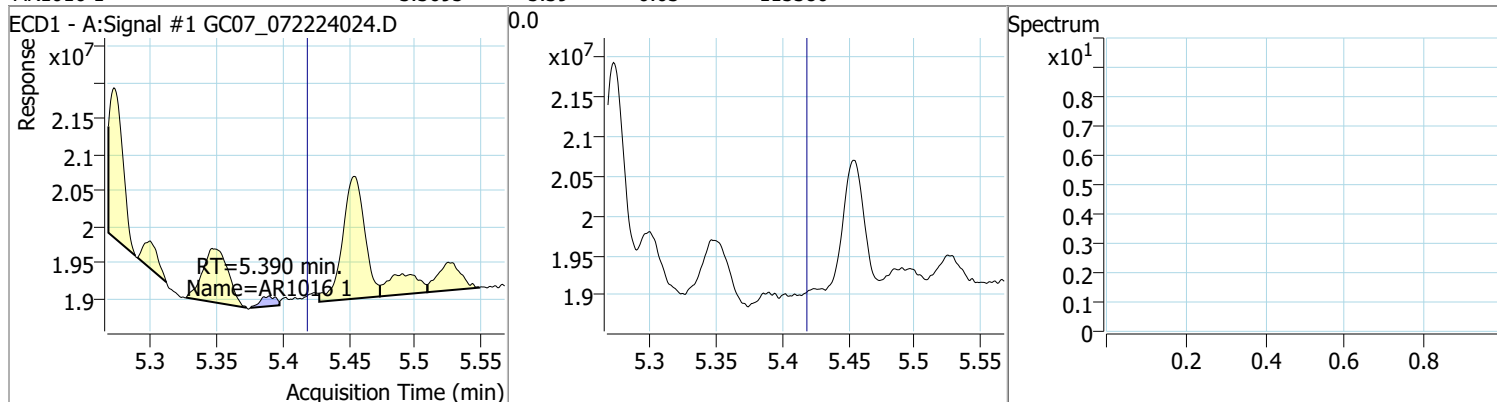
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.1515	5.07	0.00	70012557				



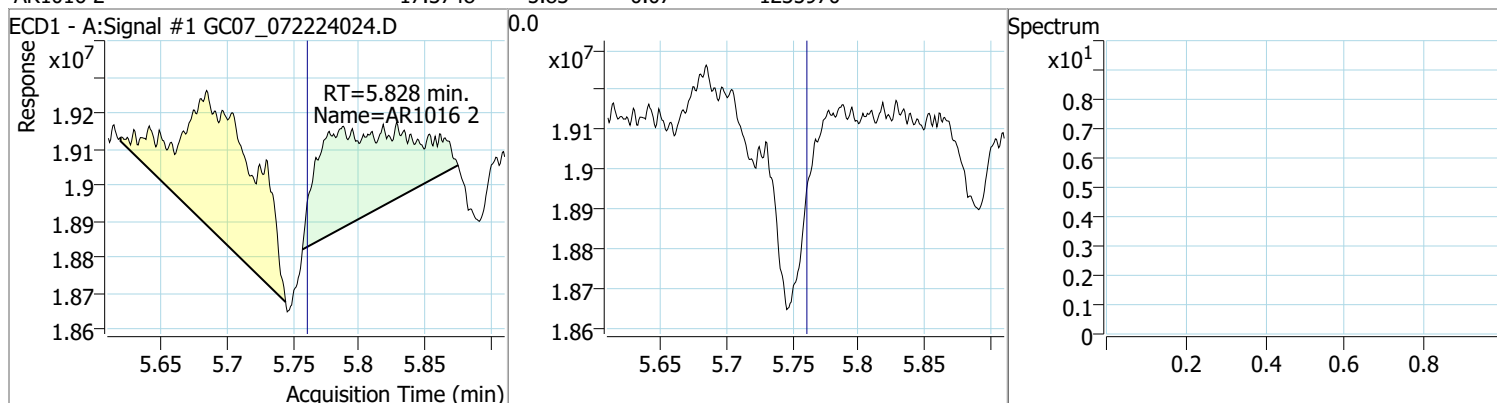
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.2304	5.37	0.00	19195674				



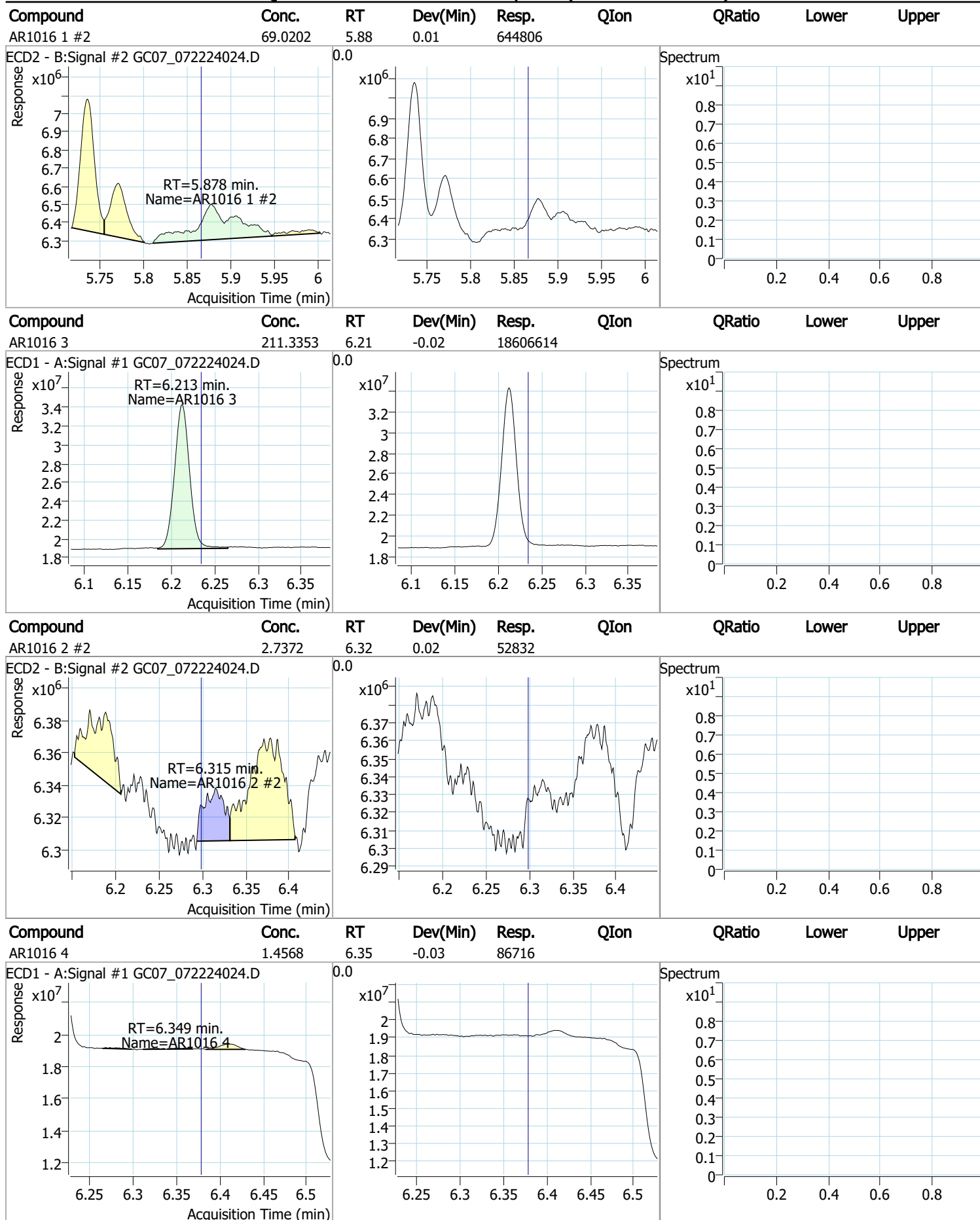
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	3.3695	5.39	-0.03	115380				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	17.3748	5.83	0.07	1235970				

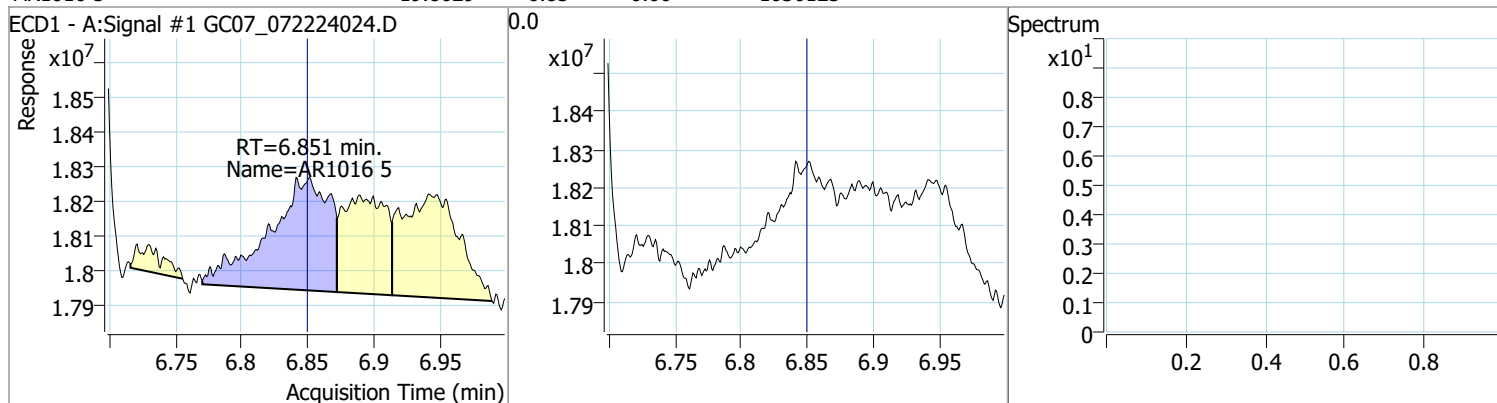


Quantitation Results Report (Not Reviewed)

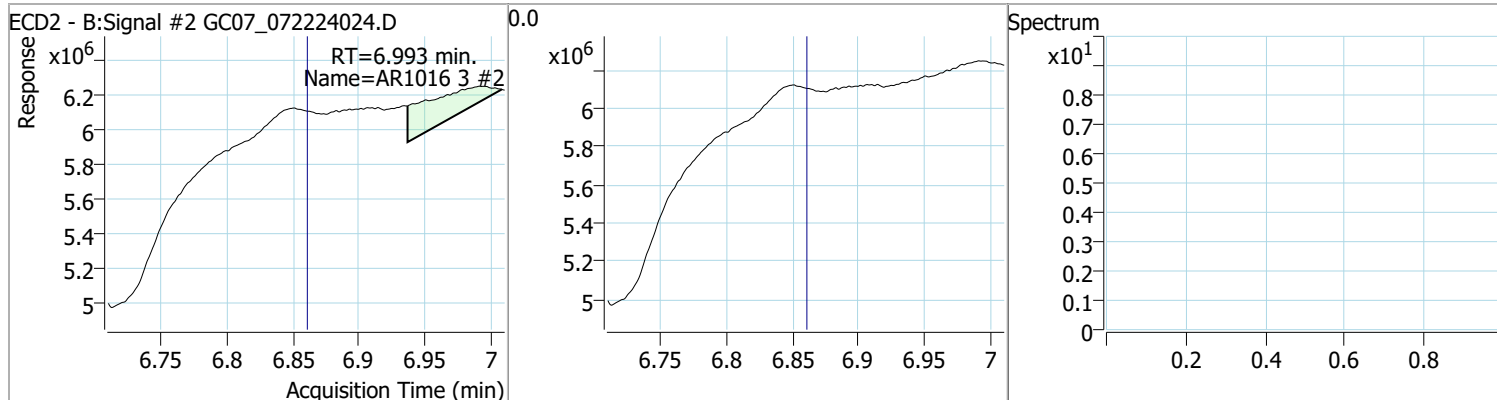


Quantitation Results Report (Not Reviewed)

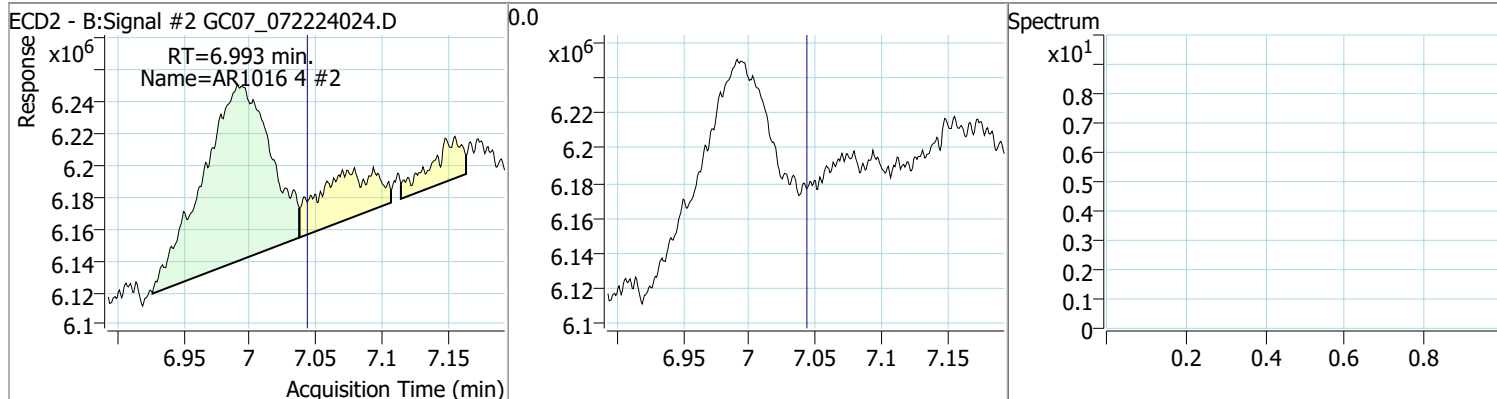
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	19.8029	6.85	0.00	1036123				



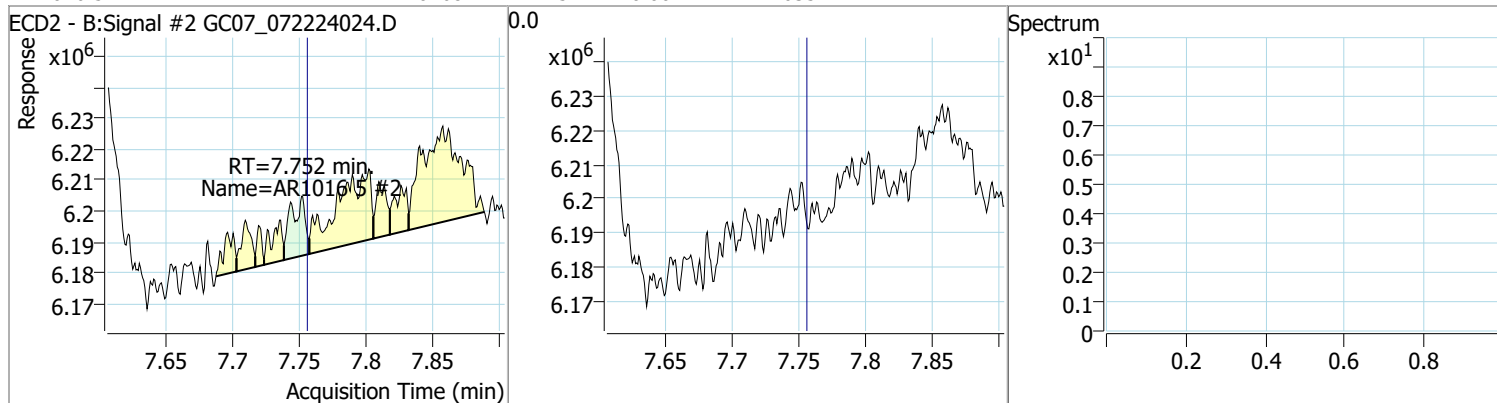
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	22.3347	6.99	0.13	537668				



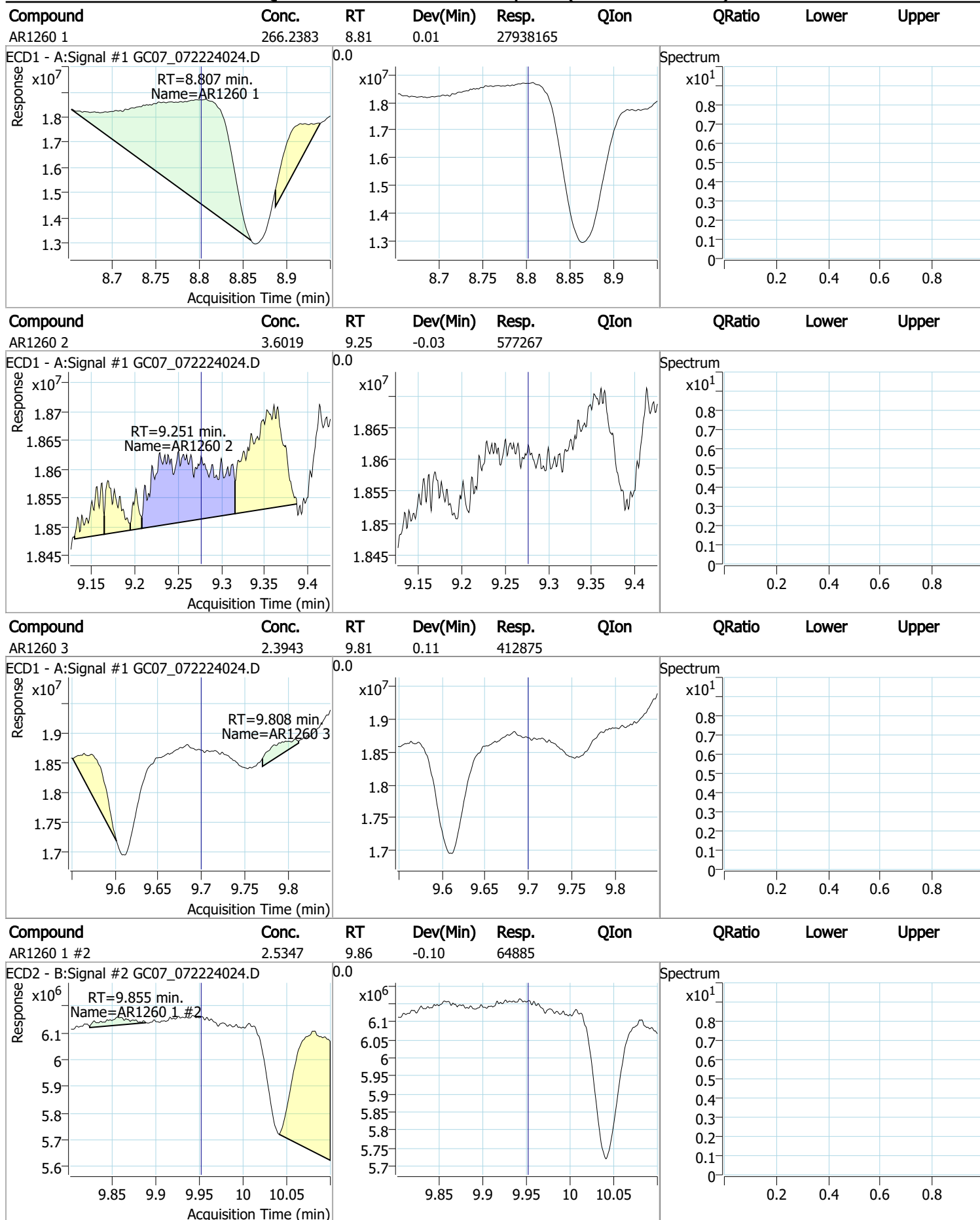
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.0391	6.99	-0.05	392202				



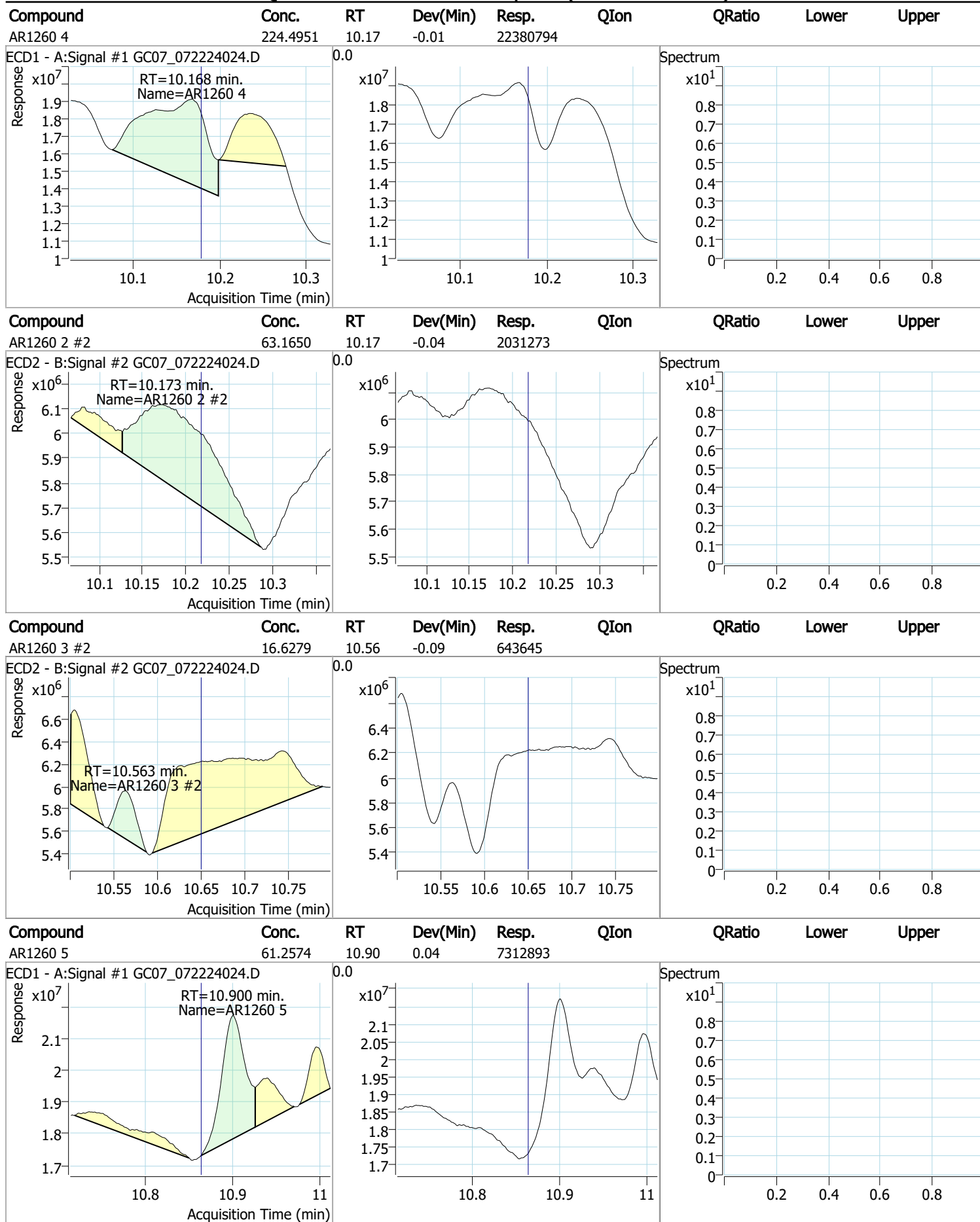
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.0168	7.75	0.00	14635				



Quantitation Results Report (Not Reviewed)

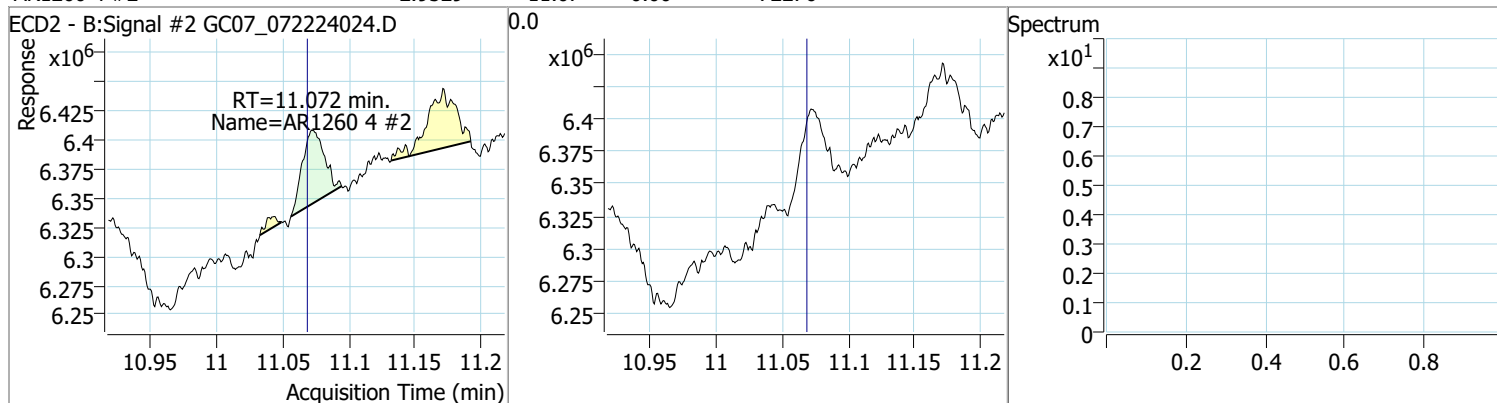


Quantitation Results Report (Not Reviewed)

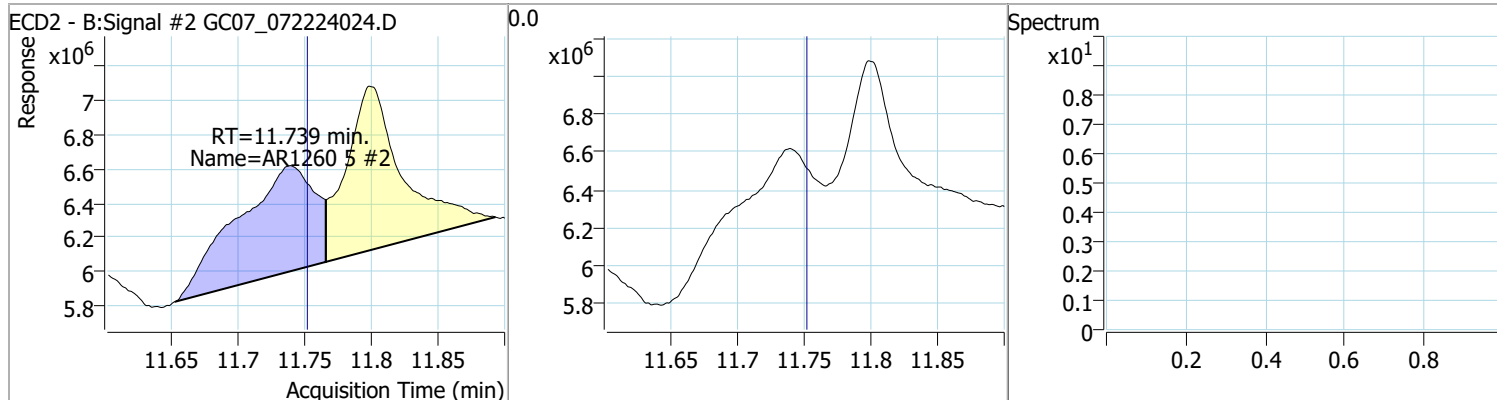


Quantitation Results Report (Not Reviewed)

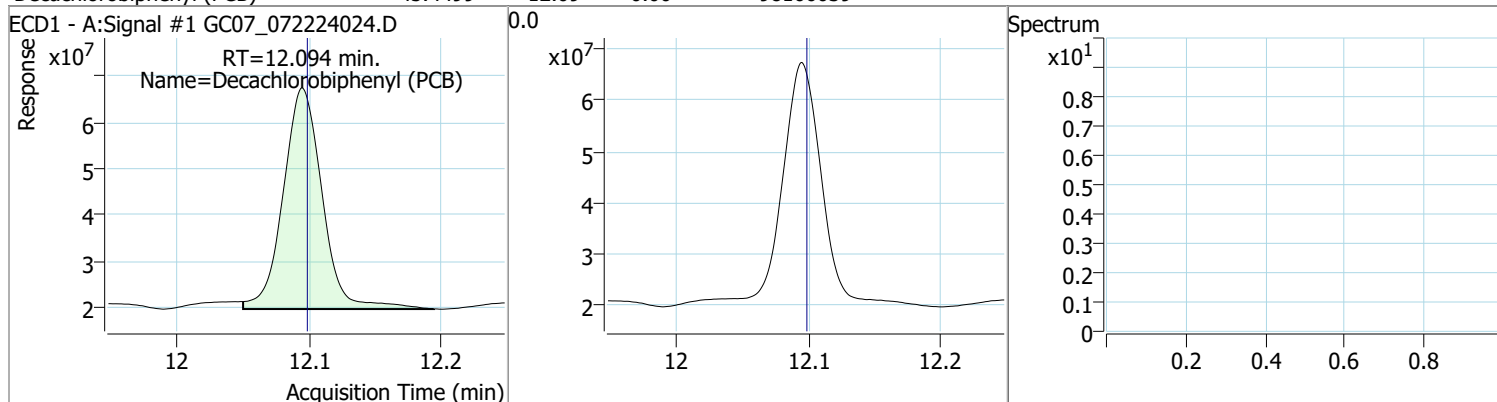
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.9529	11.07	0.00	72276				



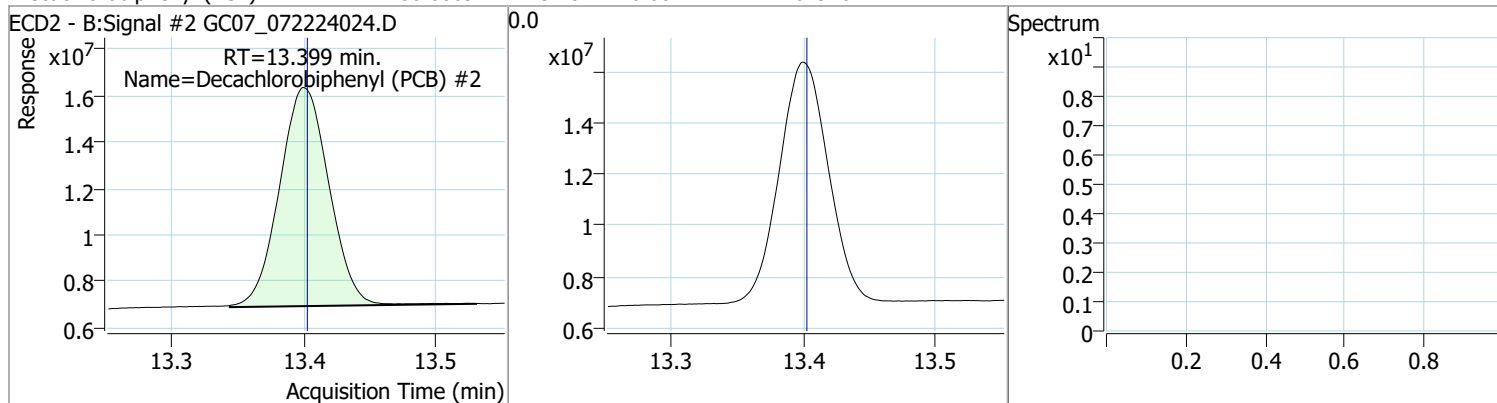
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	70.5081	11.74	-0.01	2562072				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.4499	12.09	0.00	98166039				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	50.6069	13.40	0.00	24461920				



QC Raw Data

Inst: SVOA-GC07	Lab ID: QC1171120	
Seqnum: 464294361017.1	Matrix: Wipe	
File: gc07_072224017	Batch: 345600	Time: 22-JUL-2024 14:25
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0	Units: ug/dm2	

- 1.00 dm2 $\Rightarrow$ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	12.70	ug/L	ND	ND	30%	0.50	u
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	34.56	ug/L	ND	0.94	92%	0.50	u
Aroclor-1262	B			ND			0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	43.50	pg/uL	0.5000	0.4350	87	19-121	u
Decachlorobiphenyl (PCB)	B	49.06	pg/uL	0.5000	0.4906	98	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10997148	0.29
1-bromo-2-nitrobenzene (PCB)	A	47936344	47430459	-1.06

ISTD (ICAL gc07_072224009)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1248)	A	55767030	???	-100.00 *
1-bromo-2-nitrobenzene (1248)	B	12686726	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_072224004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (ICAL gc07_072224009)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1248)	A	4.29	???	
1-bromo-2-nitrobenzene (1248)	B	4.44	???	

07/23/24 : WIPE/1dm3-10ML [general version]

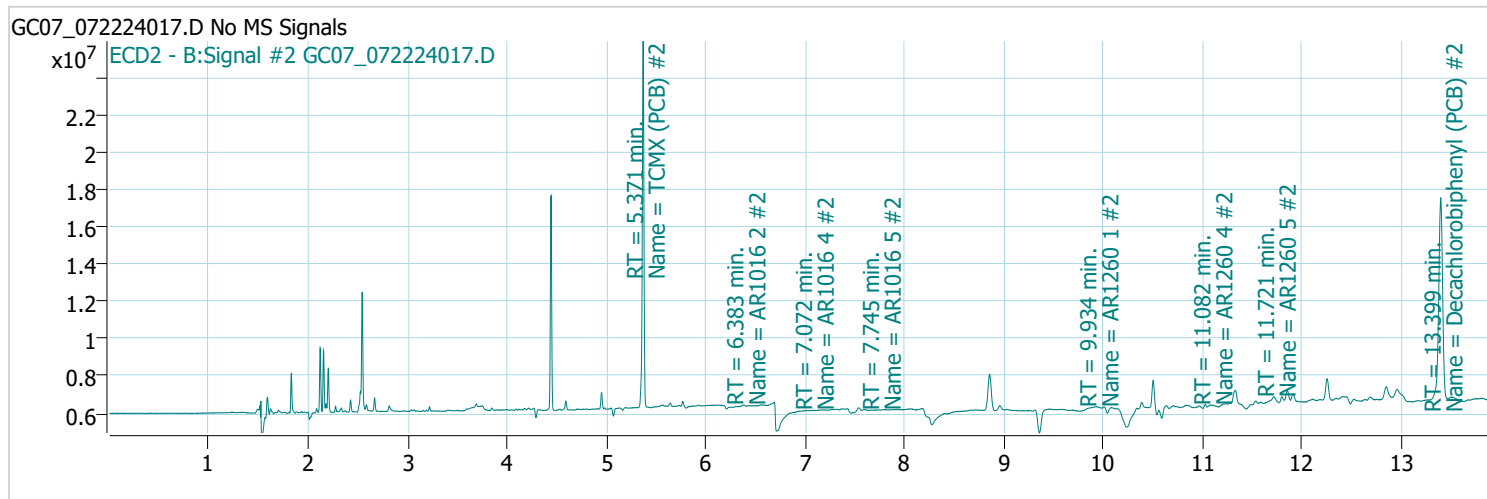
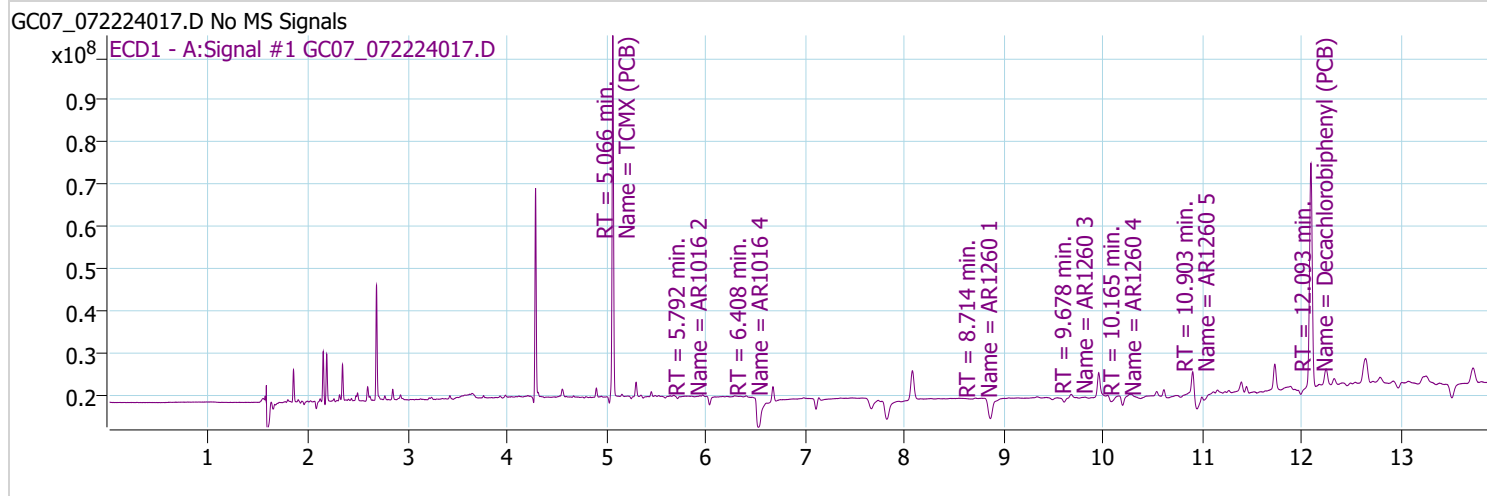
+ = high bias c = CCV u = use

Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_072224017.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 2:25:07 PM
Sample Name	QC1171120, 345600, 1	Instrument	SVOA-GC07
Vial	7	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	47430459.278	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.444	0.0	10997147.862	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	5.066	0.0	92324520.736	41.5530	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.76%	*	
S TCMX (PCB) #2	5.371	0.0	22947646.637	43.5045	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.52%	*	
S Decachlorobiphenyl (PCB)	12.093	0.0	104895399.098	40.1123	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.56%	*	
S Decachlorobiphenyl (PCB) #2	13.399	0.0	29474876.854	49.0614	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 245.31%	*	

Target Compounds

QValue

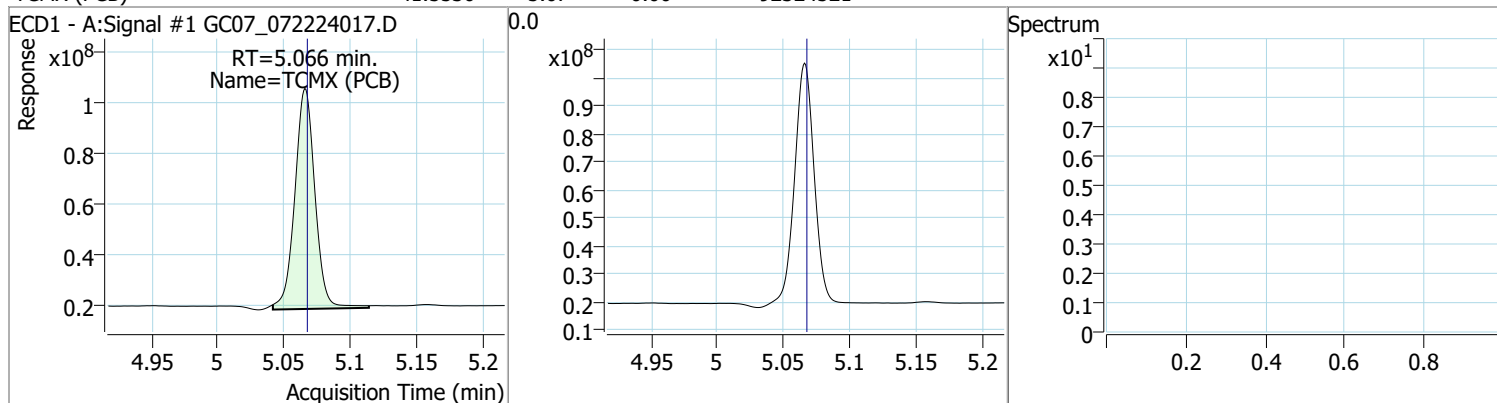
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.453	0.0	2113460.33 5	50.9774	ng/ml	100
T AR1016 2	5.792	0.0	2921024.77 1	33.9153	ng/ml	100
T AR1016 1 #2	5.929	0.0	407419.126	35.0879	ng/ml	100
T AR1016 3	6.215	0.0	220994.487	0.0000	ng/ml	100
T AR1016 2 #2	6.383	0.0	302751.794	12.6200	ng/ml	100
T AR1016 4	6.408	0.0	623386.462	8.6500	ng/ml	100
T AR1016 5	6.890	0.0	801765.552	12.6565	ng/ml	100
T AR1016 3 #2	0.000		0	N.D.		
T AR1016 4 #2	7.072	0.0	327679.799	14.8150	ng/ml	100
T AR1016 5 #2	7.745	0.0	17296.152	0.9669	ng/ml	100
T AR1260 1	8.714	0.0	20949845.4 36	164.8931	ng/ml	100
T AR1260 2	9.298	0.0	163920.961	0.8448	ng/ml	100
T AR1260 3	9.678	0.0	6885005.01 2	32.9772	ng/ml	100
T AR1260 1 #2	9.934	0.0	2855454.25 3	89.7499	ng/ml	100
T AR1260 4	10.165	0.0	7614290.91 4	63.0826	ng/ml	100
T AR1260 2 #2	10.343	0.0	345267.848	8.6384	ng/ml	100
T AR1260 3 #2	10.638	0.0	1710531.66 5	35.5542	ng/ml	100
T AR1260 5	10.903	0.0	29974031.6 80	207.3784	ng/ml	100
T AR1260 4 #2	11.082	0.0	418363.631	13.7522	ng/ml	100
T AR1260 5 #2	11.721	0.0	1134102.65 2	25.1113	ng/ml	100

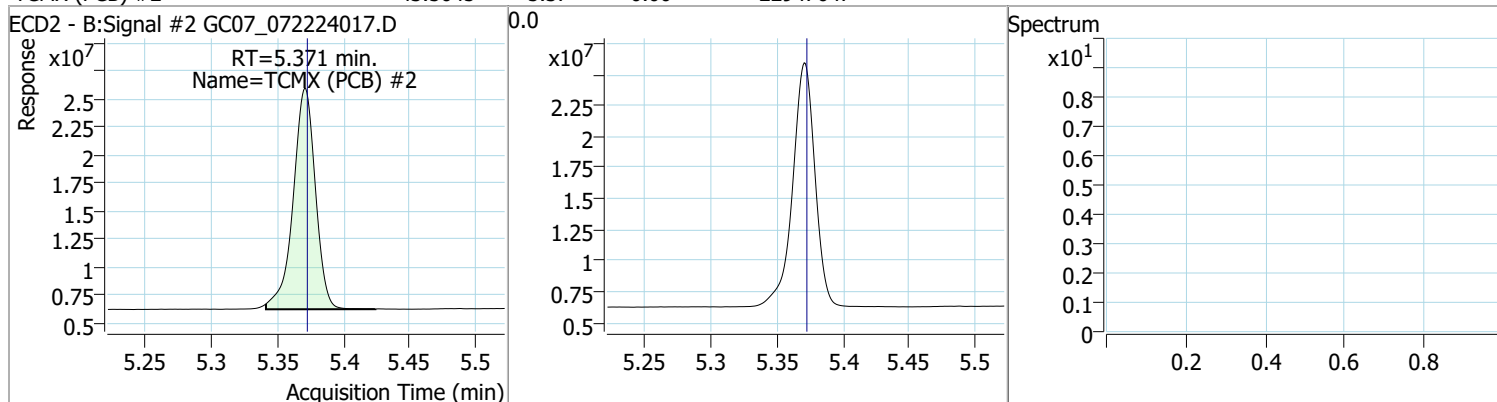
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

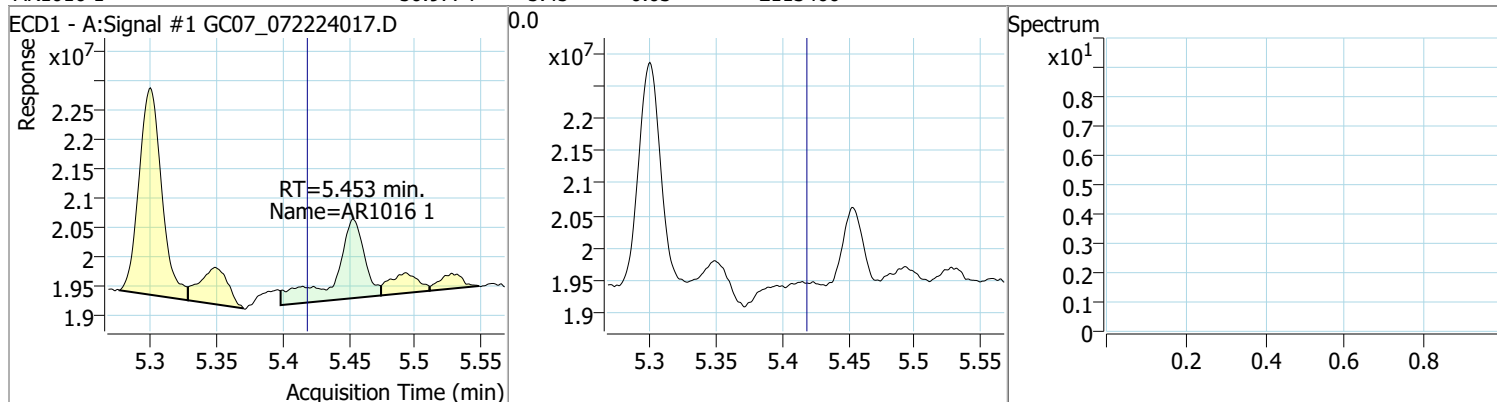
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.5530	5.07	0.00	92324521				



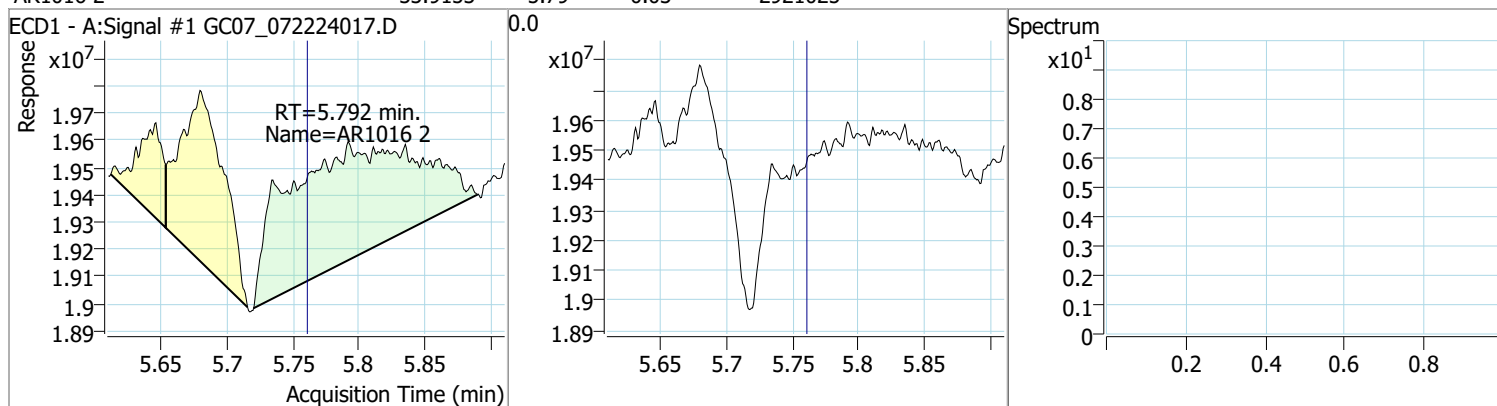
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.5045	5.37	0.00	22947647				



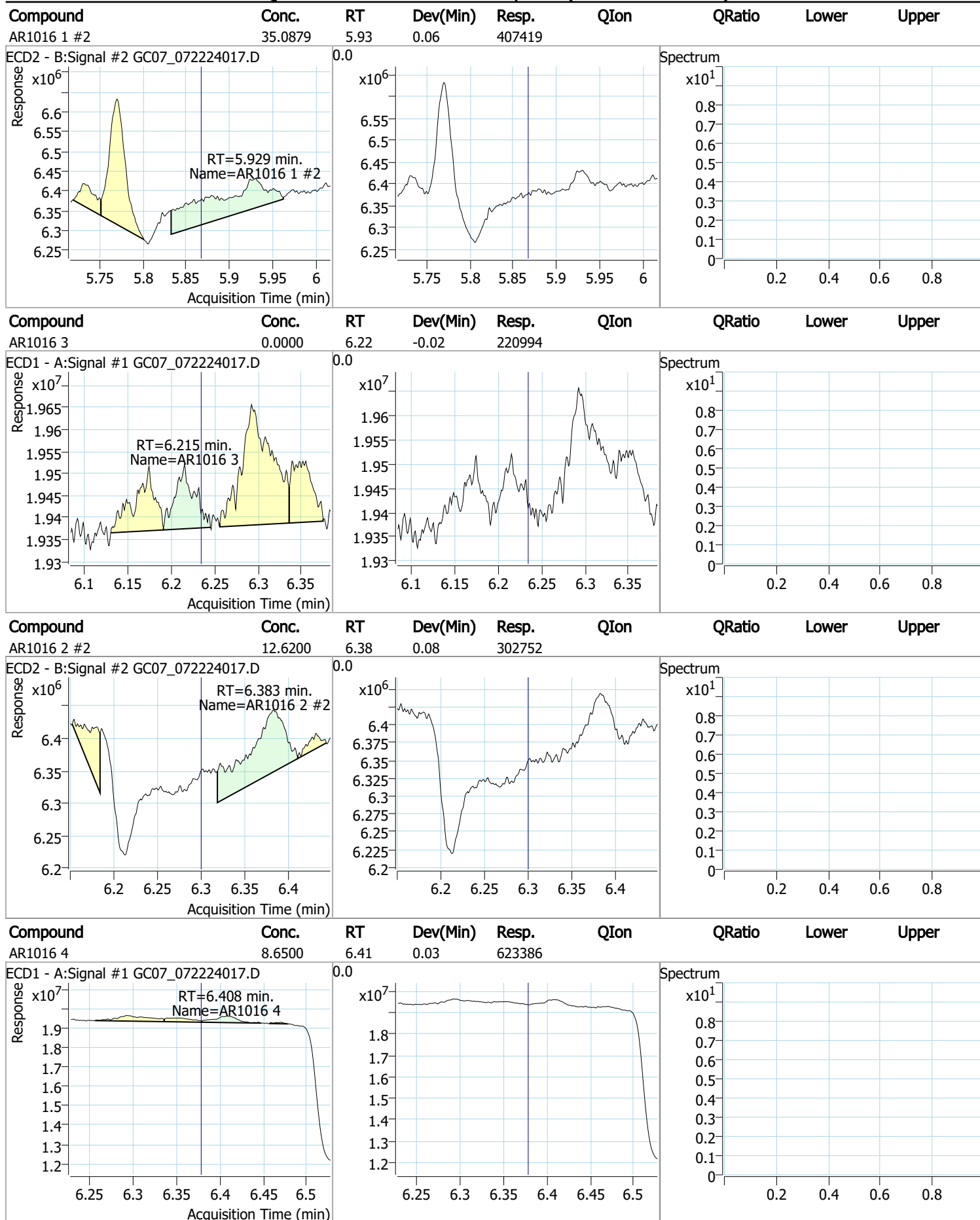
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	50.9774	5.45	0.03	2113460				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	33.9153	5.79	0.03	2921025				

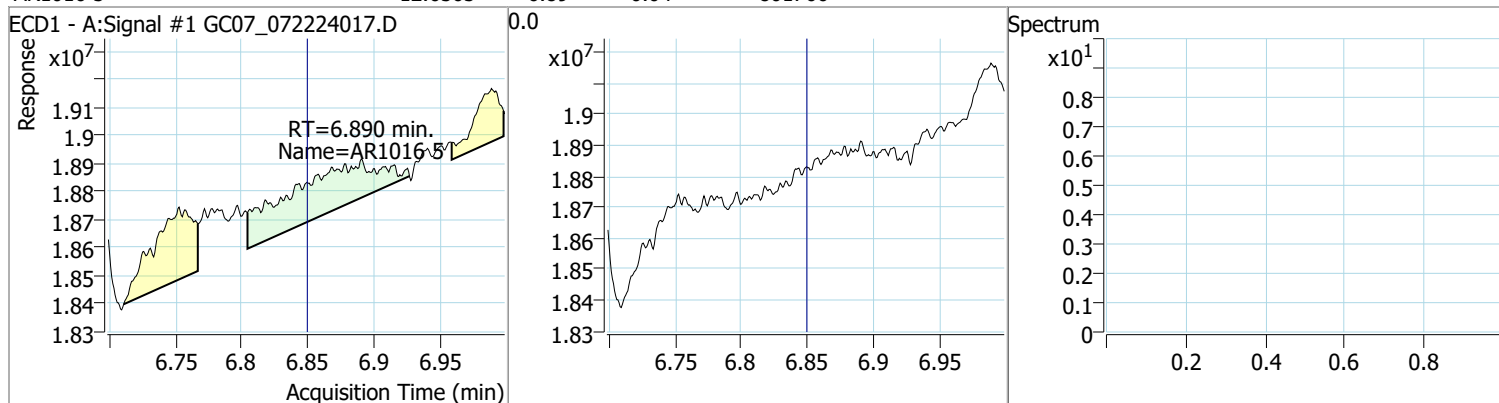


Quantitation Results Report (Not Reviewed)

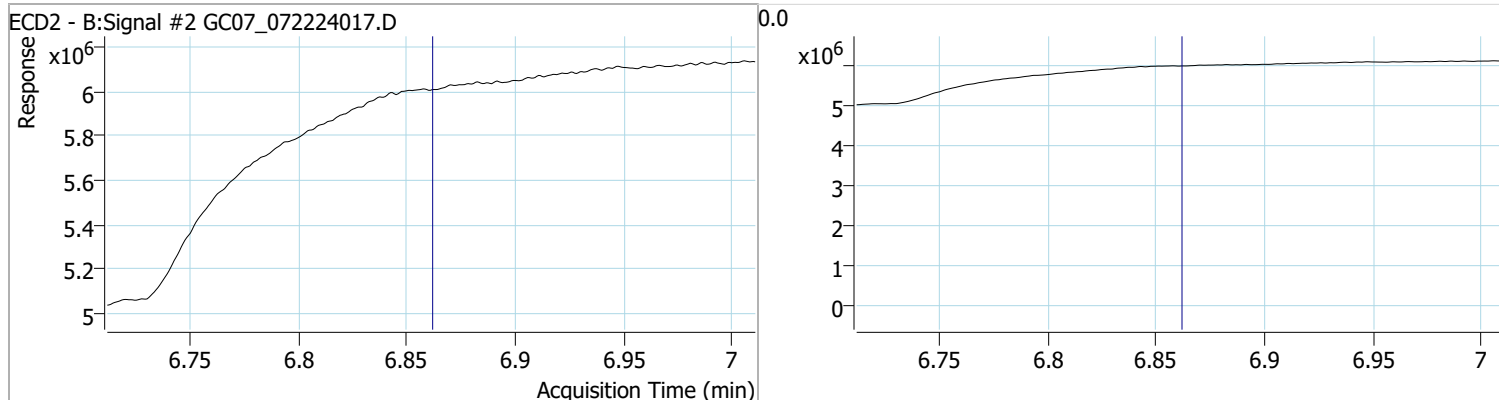


Quantitation Results Report (Not Reviewed)

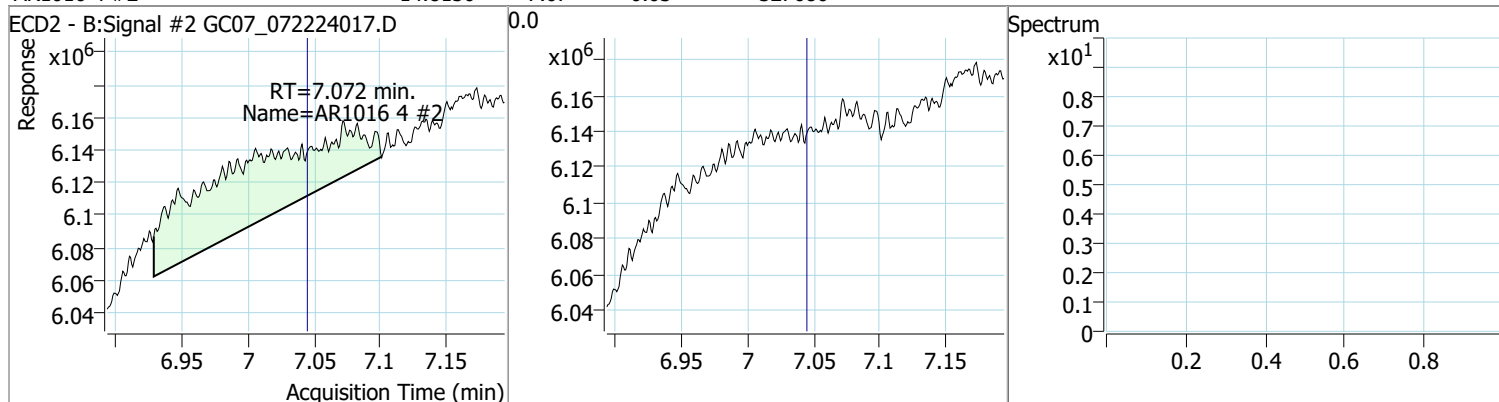
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	12.6565	6.89	0.04	801766				



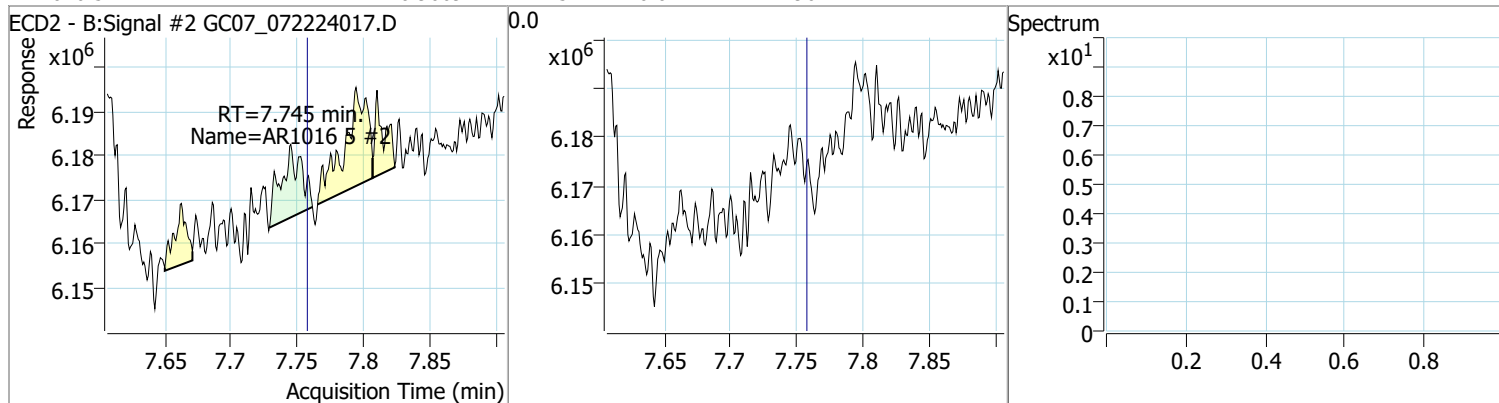
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 3 #2	N.D.	6.86		



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	14.8150	7.07	0.03	327680				



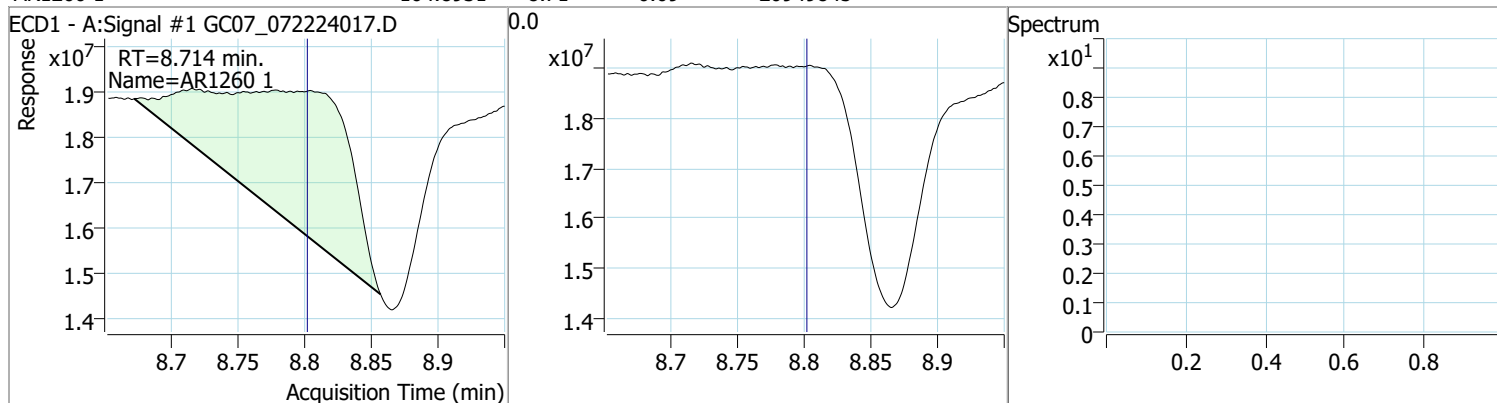
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.9669	7.75	-0.01	17296				



Quantitation Results Report (Not Reviewed)

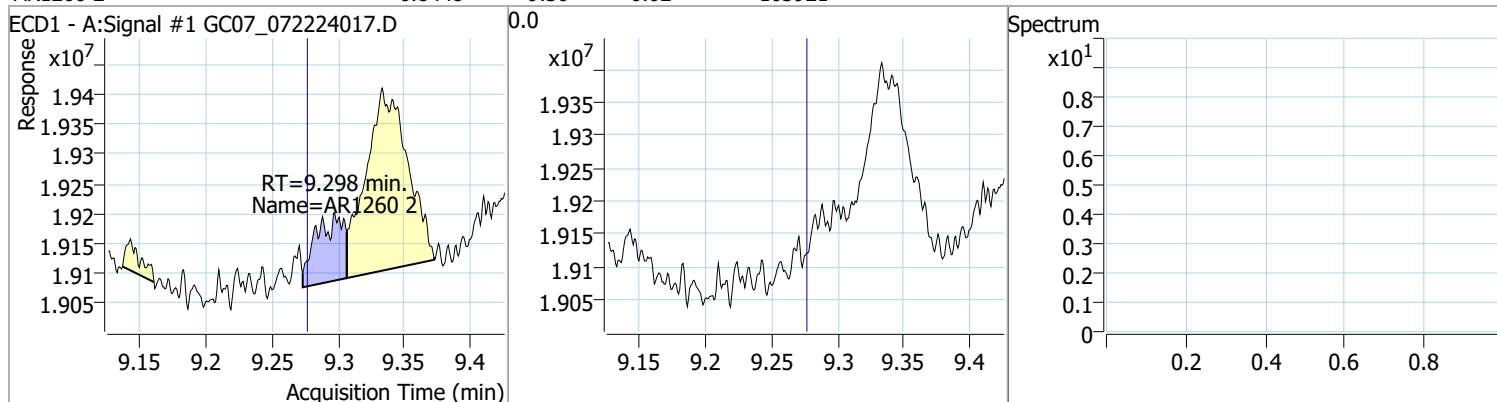
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 164.8931 8.71 -0.09 20949845



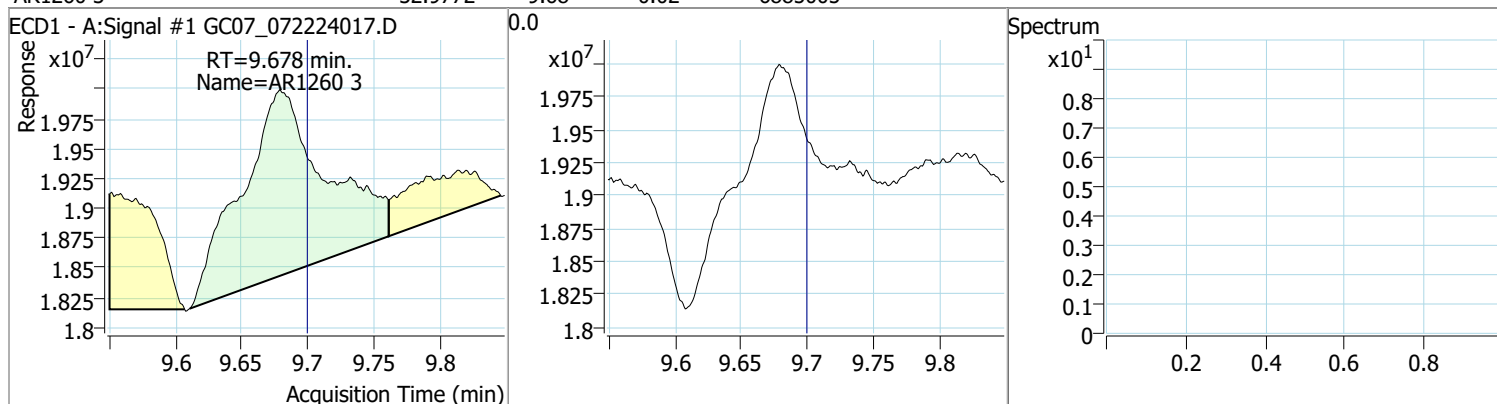
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 0.8448 9.30 0.02 163921



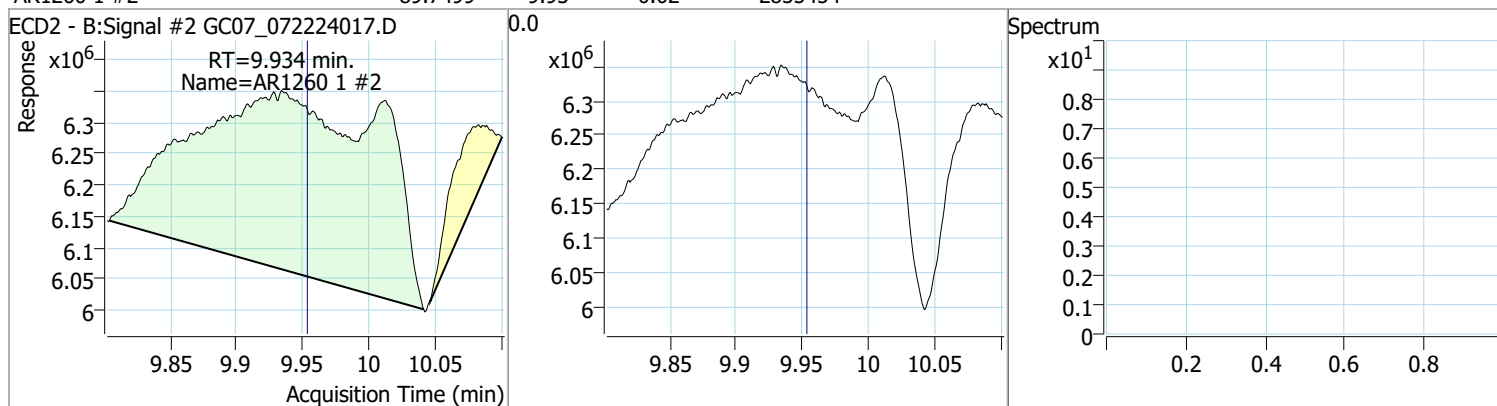
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 32.9772 9.68 -0.02 6885005

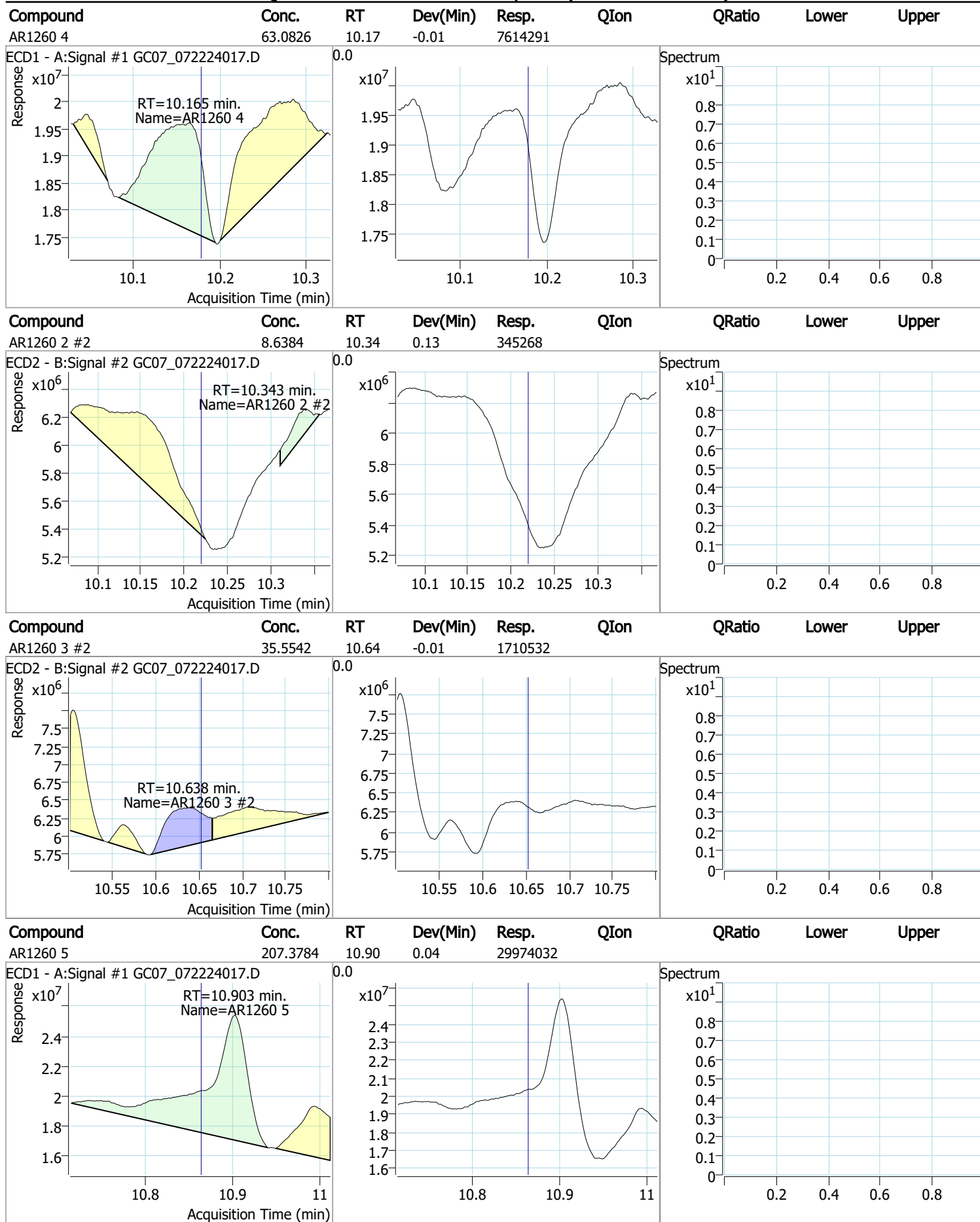


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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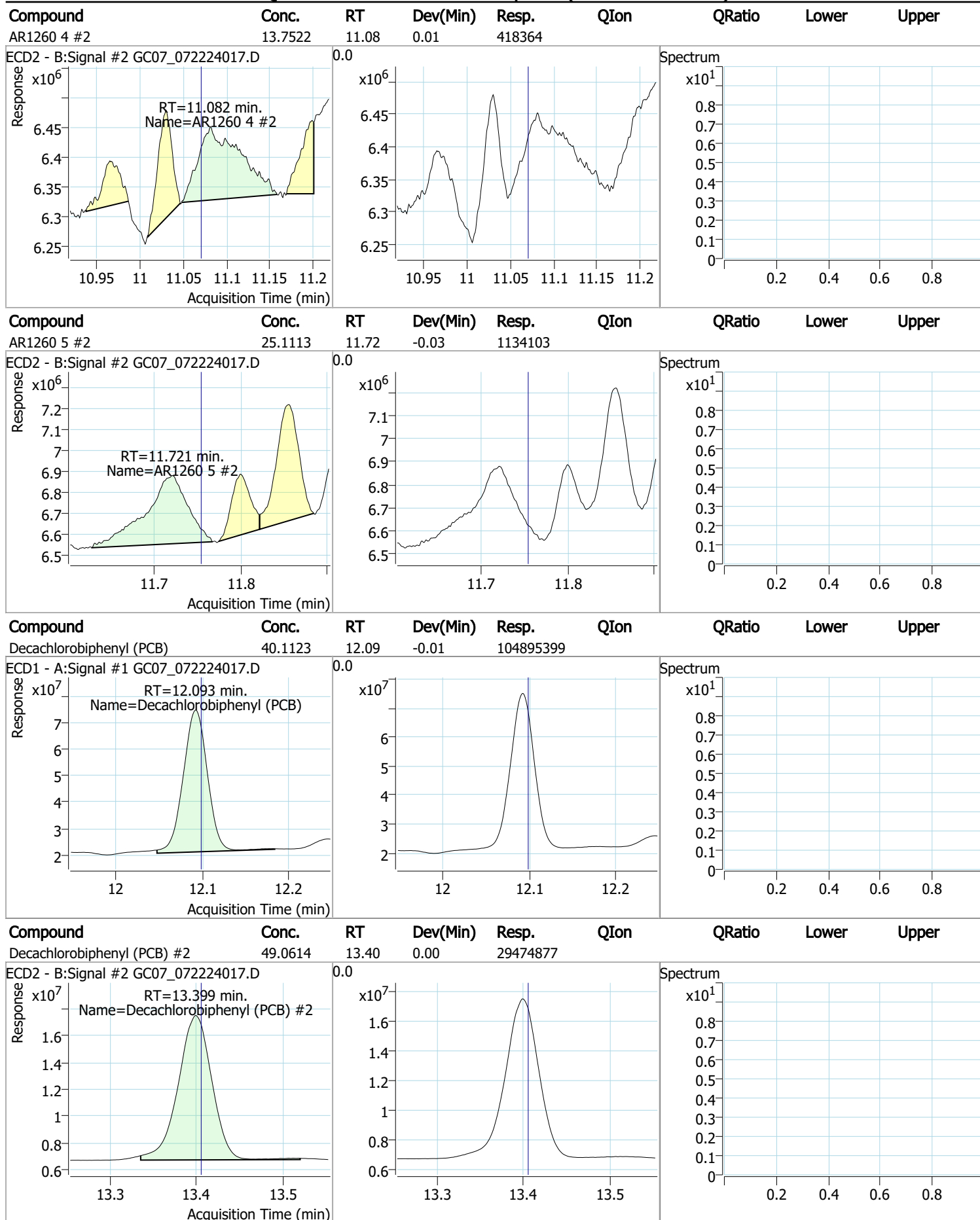
AR1260 1 #2 89.7499 9.93 -0.02 2855454



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SPIKE USER REPORT FOR 512355 PCBS Wipe
EPA 8082

Type: BS	Type: BSD
Inst: SVOA-GC07	Inst: SVOA-GC07
Seqnum: 464294361018.1	Seqnum: 464294361019.1
File: gc07_072224018	File: gc07_072224019
IDF: 1.0	IDF: 1.0
Lab ID: QC1171121	Lab ID: QC1171122
Matrix: Wipe	Matrix: Wipe
Batch: 345600	Batch: 345600
Time: 22-JUL-2024 14:42	Time: 22-JUL-2024 15:00
Cal: 464259633001	Cal: 464259633001
Units: ug/dm2	

- BS: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	446.9	4.469	B	89	455.2	4.552	B	91	60-140	2	20	u
Aroclor-1016 Peak # 1		451.0	4.510	B		438.5	4.385	B					
Aroclor-1016 Peak # 2		434.5	4.345	B		453.5	4.535	B					
Aroclor-1016 Peak # 3		445.6	4.456	B		459.6	4.596	B					
Aroclor-1016 Peak # 4		432.9	4.329	B		444.6	4.446	B					
Aroclor-1016 Peak # 5		470.5	4.705	B		479.6	4.796	B					
Aroclor-1260	5.000	484.3	4.843	B	97	489.2	4.892	B	98	60-140	1	20	u
Aroclor-1260 Peak # 1		501.3	5.013	B		509.4	5.094	B					
Aroclor-1260 Peak # 2		501.7	5.017	B		483.9	4.839	B					
Aroclor-1260 Peak # 3		530.0	5.300	B		539.2	5.392	B					
Aroclor-1260 Peak # 4		425.0	4.250	B		438.9	4.389	B					
Aroclor-1260 Peak # 5		463.6	4.636	B		474.4	4.744	B					
Surrogates													
TCMX (PCB)	0.5000	43.63	0.4363	B	87	45.39	0.4539	B	91	19-121			u
Decachlorobiphenyl (PCB)	0.5000	49.18	0.4918	B	98	48.85	0.4885	B	98	19-121			c+ u

ISTD (CCV gc07_072224004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	11242878	2.53
1-bromo-2-nitrobenzene (PCB)	A	47936344	49330290	2.91

ISTD (CCV gc07_072224004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

ISTD (CCV gc07_072224004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10965763	10700703	-2.42
1-bromo-2-nitrobenzene (PCB)	A	47936344	44795891	-6.55

ISTD (CCV gc07_072224004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.44	4.44	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.29	4.29	0.00

07/23/24 : WIPE/1dm3-10ML [general version]

MES 07/23/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A for spike & dup. [general version]

MES 07/23/24 [Aroclor-1260 Peak # 1 A]: Corrected automatically drawn baseline for Ch. A for spike & dup. [general version]

MES 07/23/24 [Aroclor-1260 Peak # 4 A]: Corrected automatically drawn baseline for Ch. A for spike & dup. [general version]

MES 07/23/24 [Aroclor-1260 Peak # 1 B]: Corrected automatically drawn baseline for Ch. B for spike. [general version]

MES 07/23/24 [Aroclor-1260 Peak # 4 B]: Corrected automatically drawn baseline for Ch. B for spike. [general version]

+=high bias c=CCV u=use

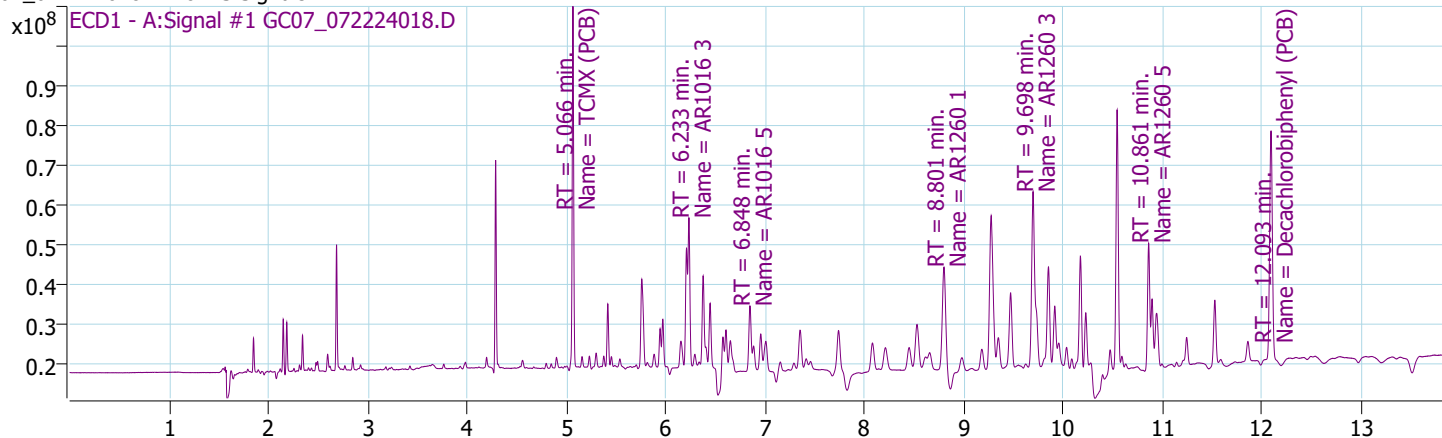
Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

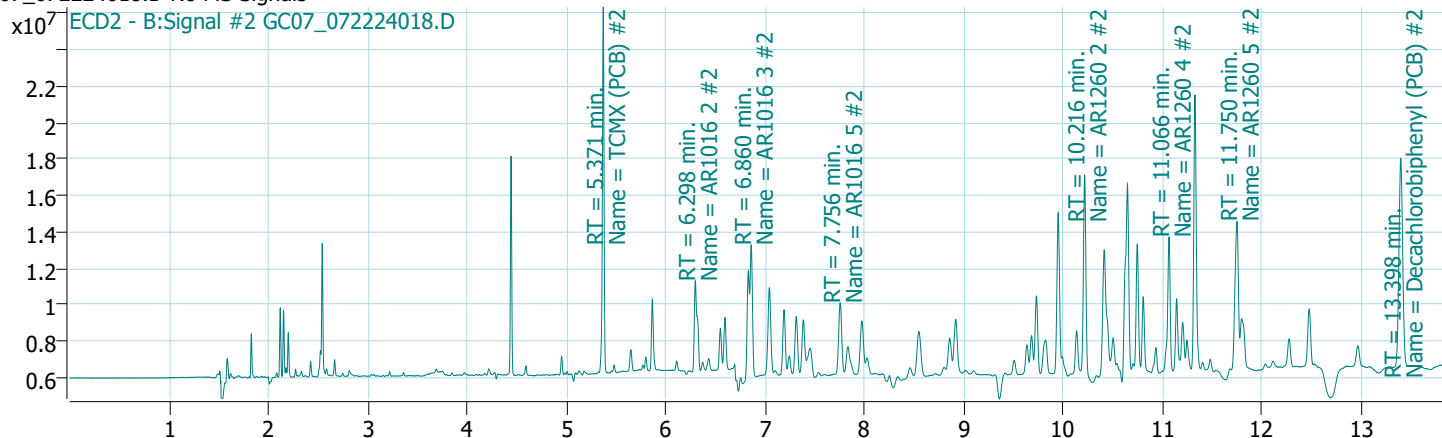
Quantitation Results Report (Not Reviewed)

Data File	GC07_072224018.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 2:42:37 PM
Sample Name	QC1171121, 345600, 1	Instrument	SVOA-GC07
Vial	8	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_072224018.D No MS Signals



GC07_072224018.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	49330289.673	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	11242878.150	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.066	0.0	95430733.226	41.2968	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.48%	*	
S TCMX (PCB) #2	5.371	0.0	23529641.534	43.6328	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.16%	*	
S Decachlorobiphenyl (PCB)	12.093	0.0	120211913.313	44.1989	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.99%	*	
S Decachlorobiphenyl (PCB) #2	13.398	0.0	30203797.187	49.1759	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 245.88%	*	

Target Compounds

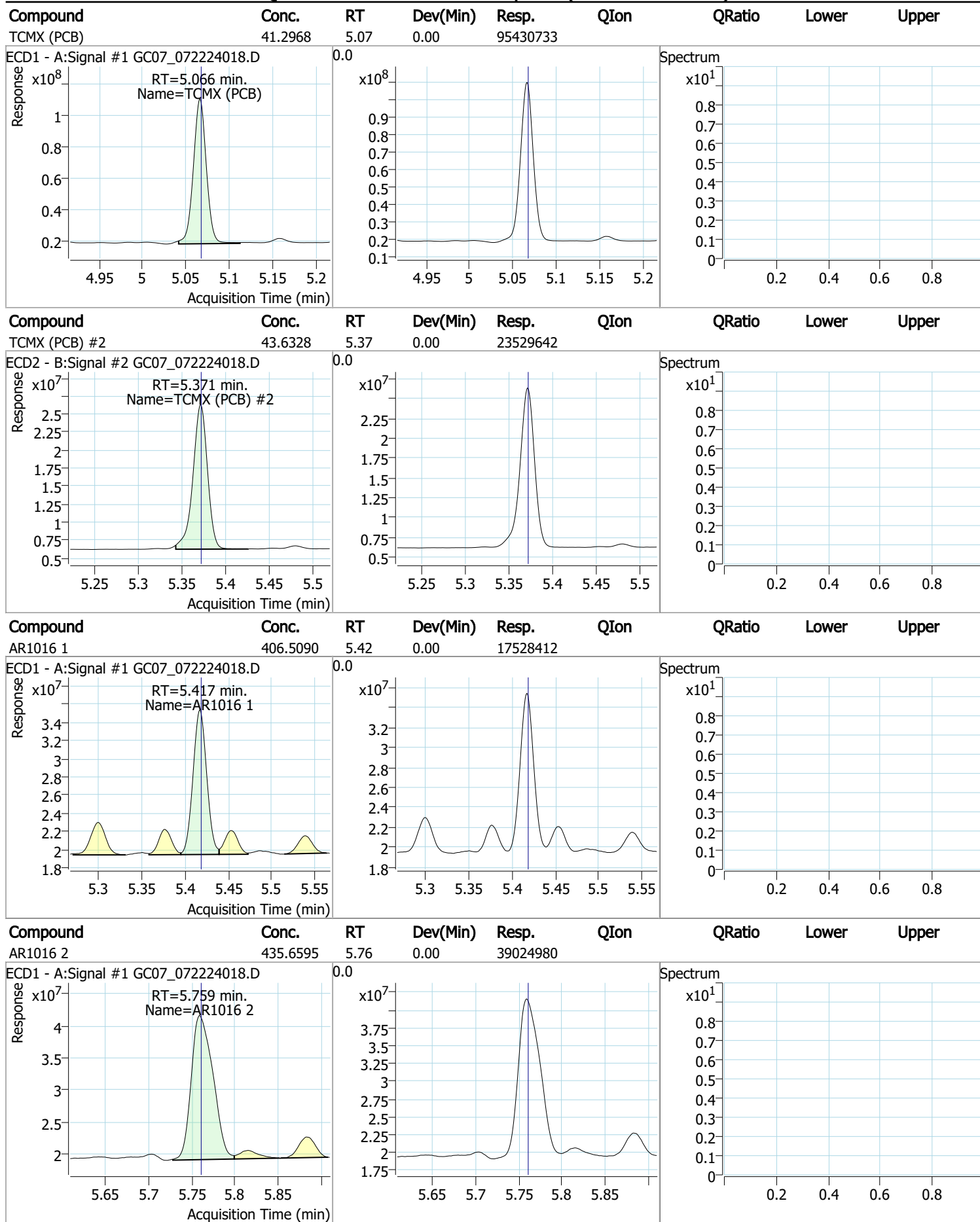
QValue

Quantitation Results Report (Not Reviewed)

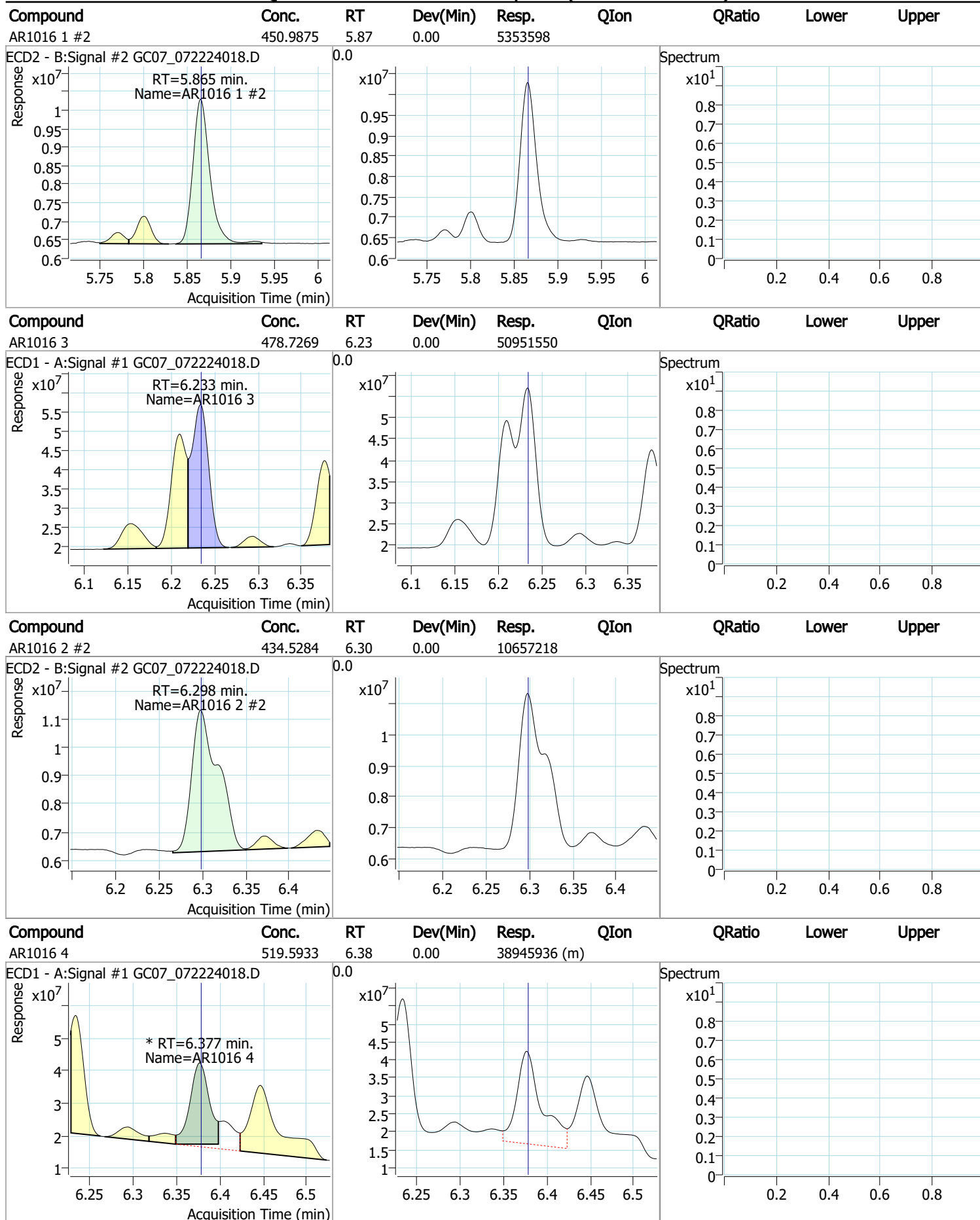
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.417	0.0	17528411.5 22	406.5090	ng/ml	100
T AR1016 2	5.759	0.0	39024979.9 66	435.6595	ng/ml	100
T AR1016 1 #2	5.865	0.0	5353598.49 4	450.9875	ng/ml	100
T AR1016 3	6.233	0.0	50951549.7 42	478.7269	ng/ml	100
T AR1016 2 #2	6.298	0.0	10657218.1 00	434.5284	ng/ml	100
T AR1016 4	6.377	0.0	38945936.3 10	519.5933	ng/ml m	100
T AR1016 5	6.848	0.0	26672811.0 82	404.8354	ng/ml	100
T AR1016 3 #2	6.860	0.0	13629662.8 19	445.5769	ng/ml	100
T AR1016 4 #2	7.043	0.0	9787739.20 1	432.8507	ng/ml	100
T AR1016 5 #2	7.756	0.0	8604915.26 8	470.5109	ng/ml	100
T AR1260 1	8.801	0.0	59839383.3 00	452.8479	ng/ml m	100
T AR1260 2	9.276	0.0	95780127.4 14	474.5912	ng/ml	100
T AR1260 3	9.698	0.0	108340806. 013	498.9360	ng/ml	100
T AR1260 1 #2	9.950	0.0	16304257.4 07	501.2592	ng/ml m	100
T AR1260 4	10.173	0.0	61518835.1 43	490.0405	ng/ml m	100
T AR1260 2 #2	10.216	0.0	20498711.4 47	501.6562	ng/ml	100
T AR1260 3 #2	10.648	0.0	26069256.4 68	530.0182	ng/ml	100
T AR1260 5	10.861	0.0	50612676.9 14	336.6832	ng/ml	100
T AR1260 4 #2	11.066	0.0	13217691.7 50	424.9886	ng/ml m	100
T AR1260 5 #2	11.750	0.0	21403893.8 77	463.5659	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

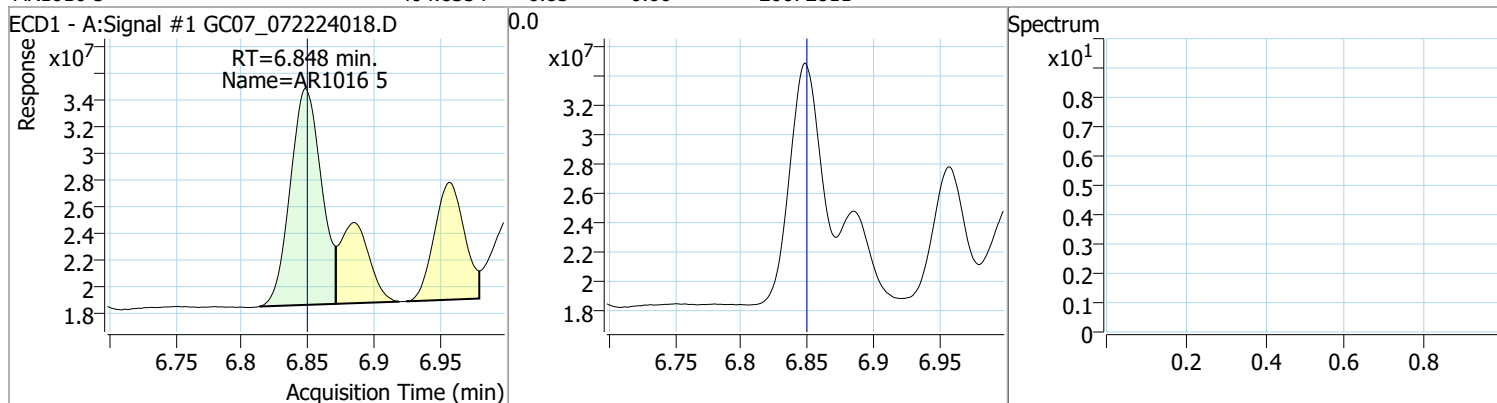


Quantitation Results Report (Not Reviewed)

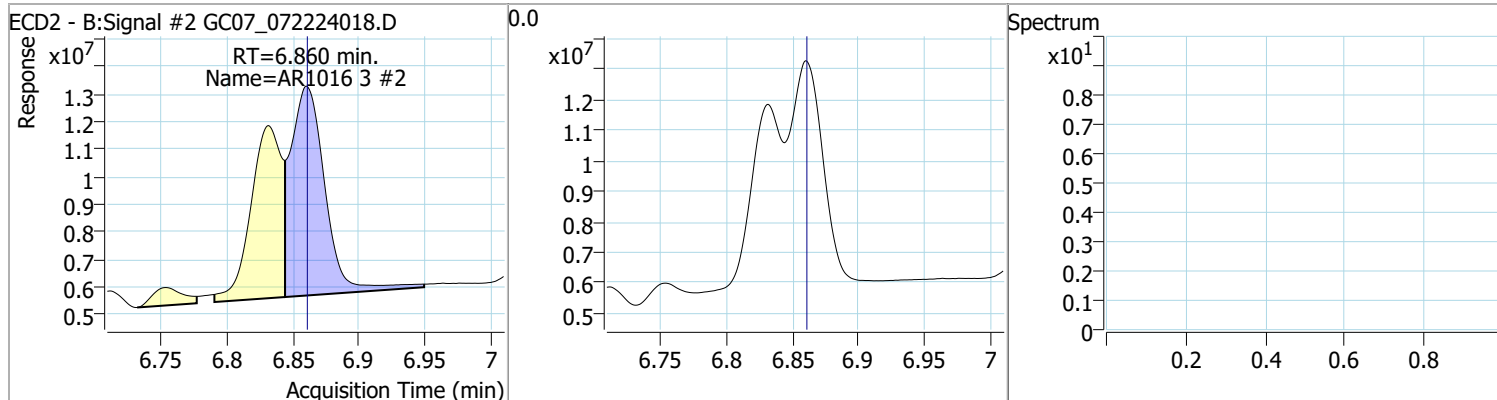


Quantitation Results Report (Not Reviewed)

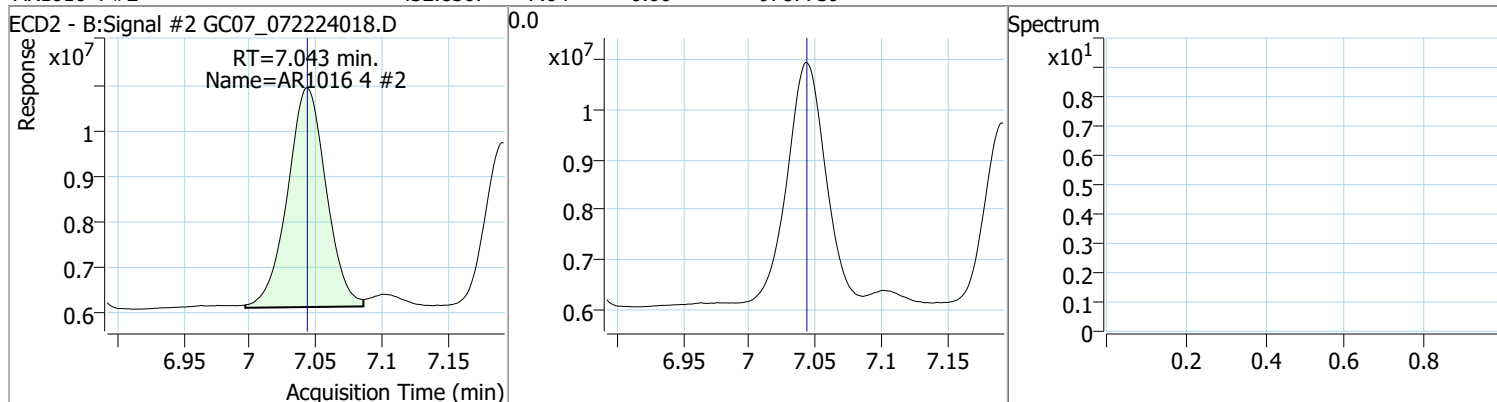
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	404.8354	6.85	0.00	26672811				



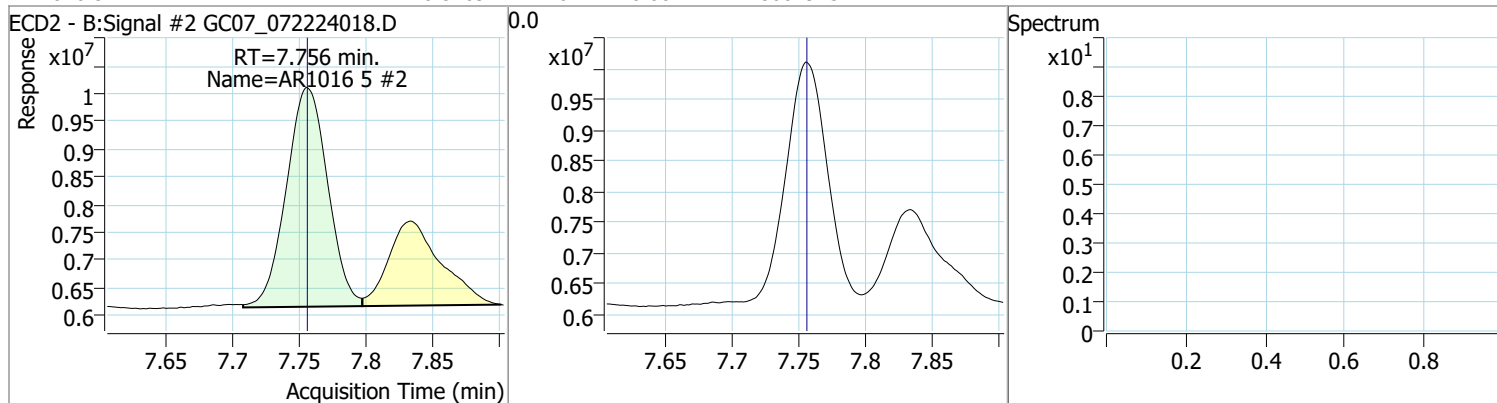
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	445.5769	6.86	0.00	13629663				



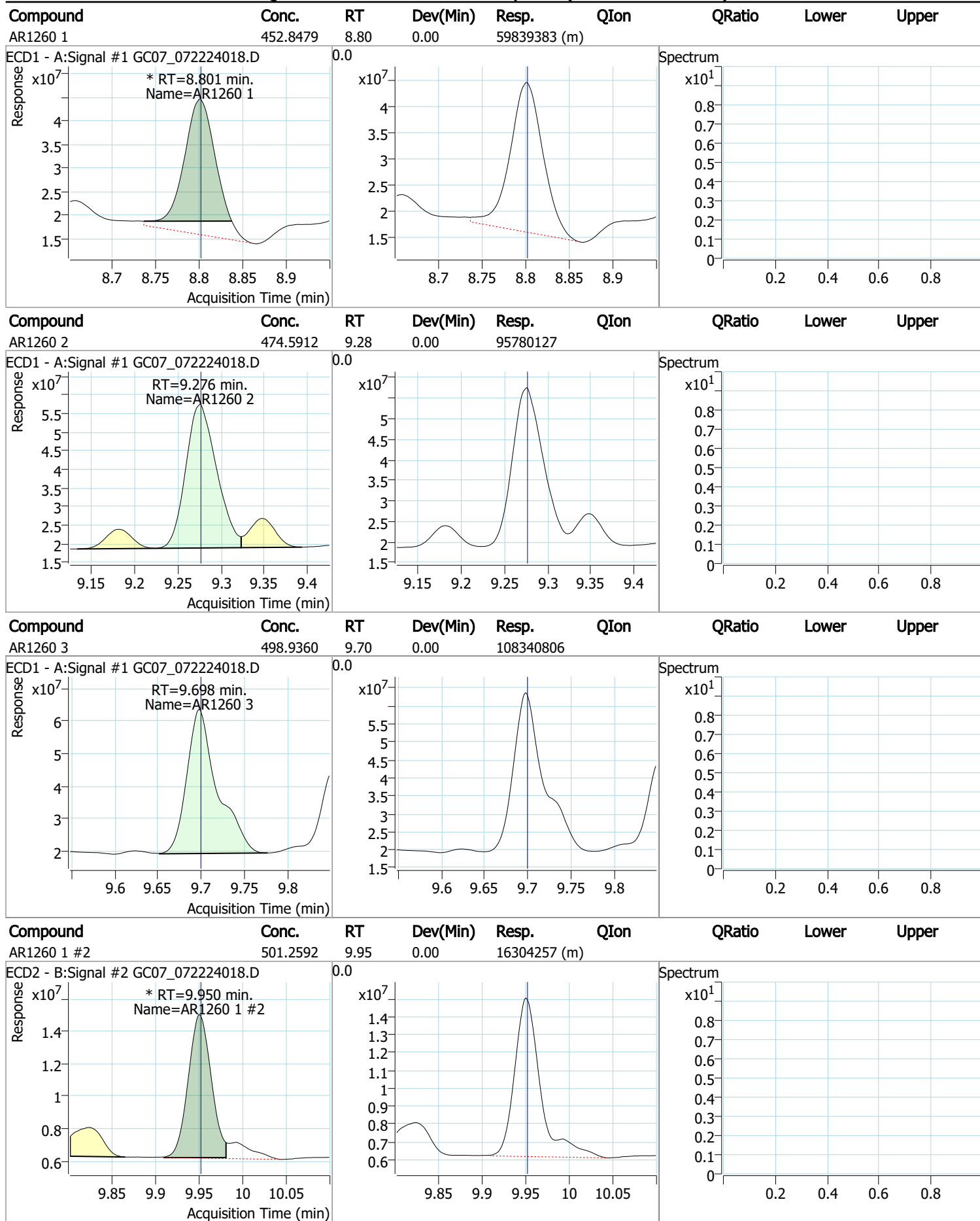
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	432.8507	7.04	0.00	9787739				



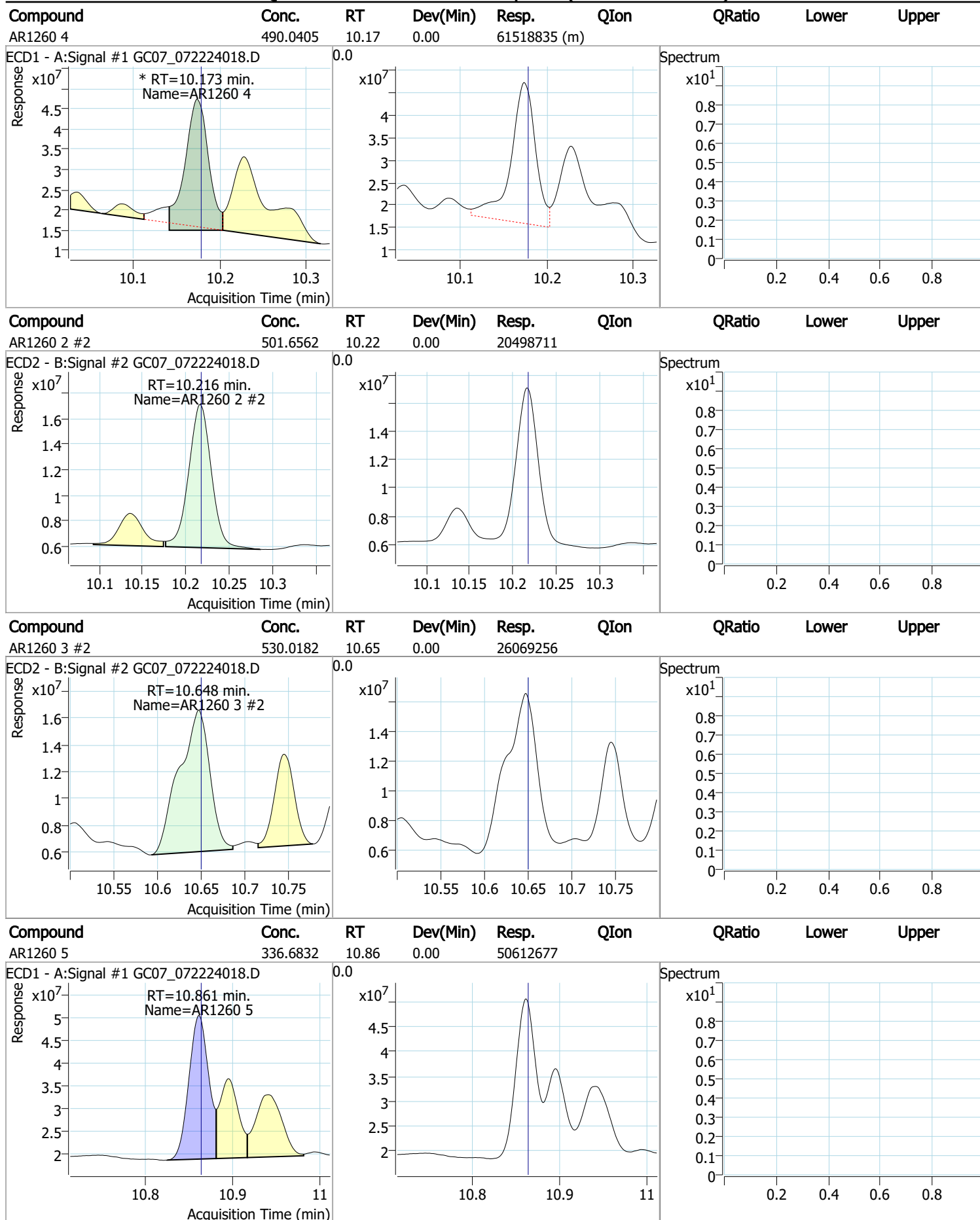
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	470.5109	7.76	0.00	8604915				



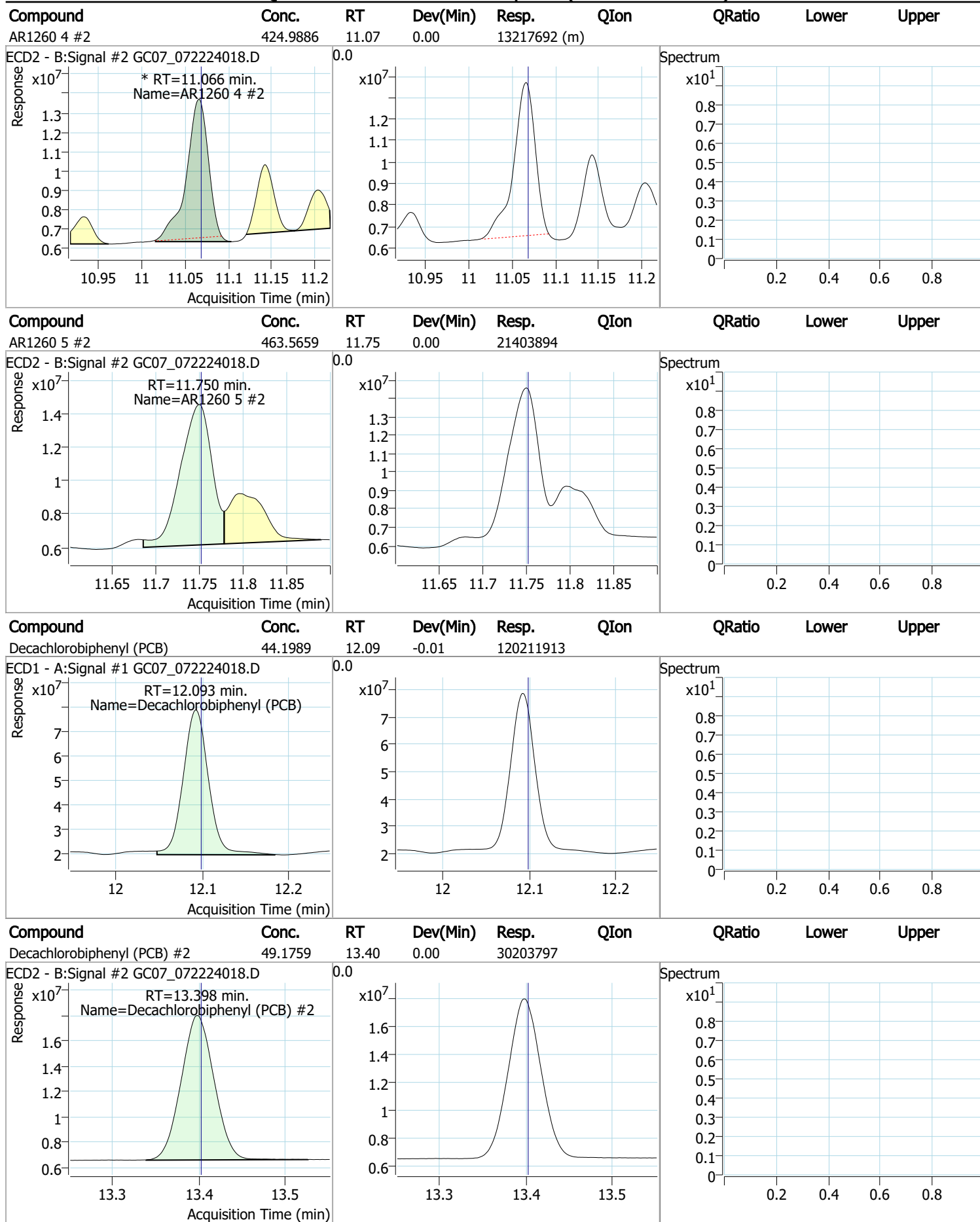
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



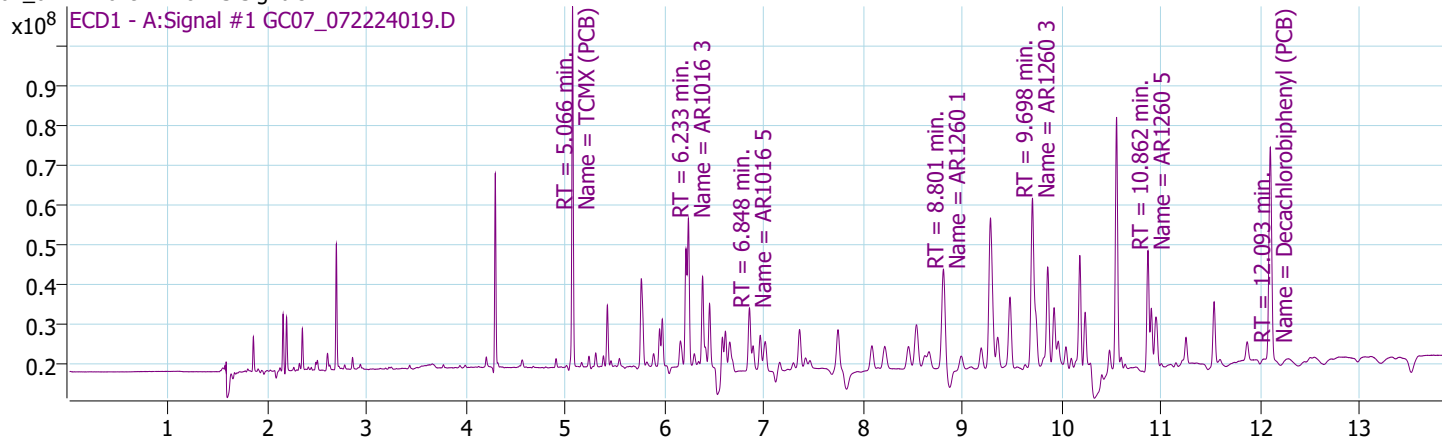
Quantitation Results Report (Not Reviewed)



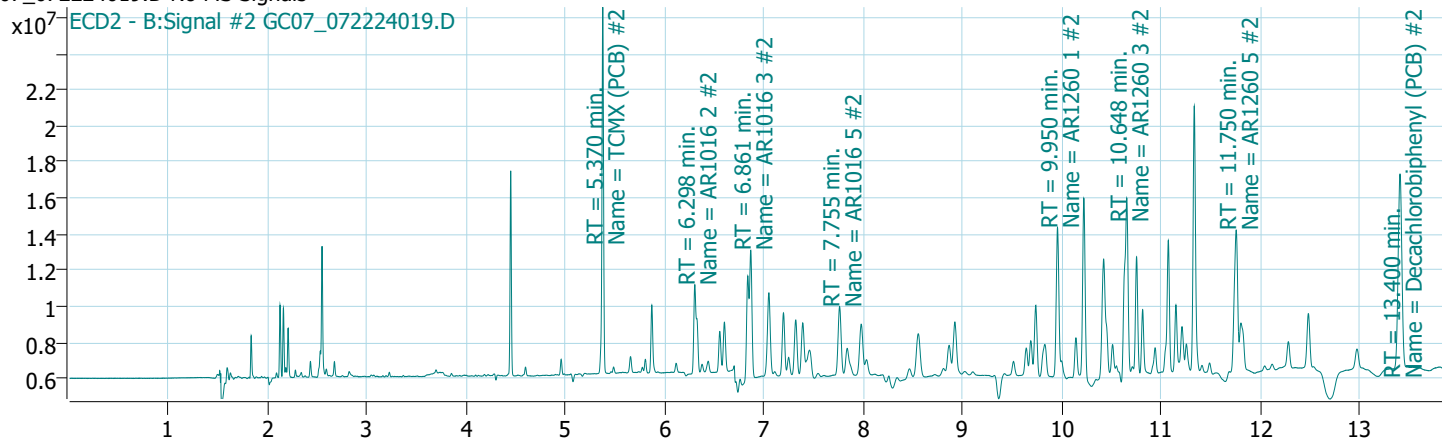
Quantitation Results Report (Not Reviewed)

Data File	GC07_072224019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 3:00:09 PM
Sample Name	QC1171122, 345600, 1	Instrument	SVOA-GC07
Vial	9	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_072224019.D No MS Signals



GC07_072224019.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	44795891.4 54	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10700703.4 92	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.066	0.0	93137145.9 35	44.3840	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.92%	*	
S TCMX (PCB) #2	5.370	0.0	23295521.1 29	45.3874	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.94%	*	
S Decachlorobiphenyl (PCB)	12.093	0.0	112315516. 743	45.4757	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.38%	*	
S Decachlorobiphenyl (PCB) #2	13.400	0.0	28559082.7 25	48.8540	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 244.27%	*	

Target Compounds

QValue

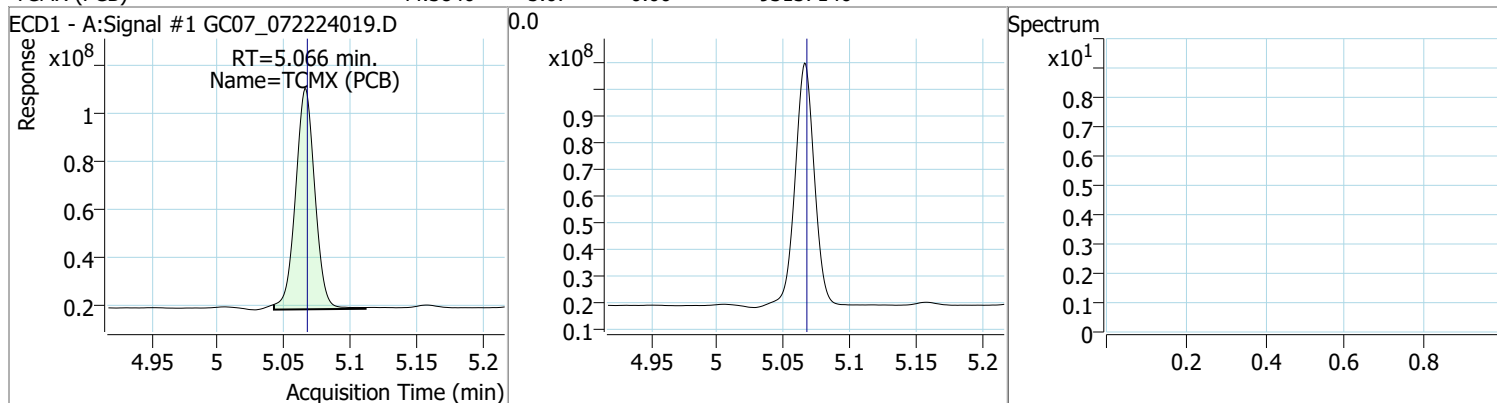
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.417	0.0	17005067.6 15	434.2916	ng/ml	100
T AR1016 2	5.758	0.0	39143474.8 94	481.2152	ng/ml	100
T AR1016 1 #2	5.864	0.0	4953844.27 7	438.4562	ng/ml	100
T AR1016 3	6.233	0.0	49330530.3 52	510.9856	ng/ml	100
T AR1016 2 #2	6.298	0.0	10587301.6 18	453.5496	ng/ml	100
T AR1016 4	6.376	0.0	38005960.3 70	558.3784	ng/ml m	100
T AR1016 5	6.848	0.0	26091326.6 20	436.0952	ng/ml	100
T AR1016 3 #2	6.861	0.0	13380604.9 89	459.5984	ng/ml	100
T AR1016 4 #2	7.043	0.0	9569263.13 2	444.6306	ng/ml	100
T AR1016 5 #2	7.755	0.0	8348278.82 4	479.6066	ng/ml	100
T AR1260 1	8.801	0.0	60613772.5 19	505.1403	ng/ml m	100
T AR1260 2	9.275	0.0	93793231.6 36	511.7893	ng/ml	100
T AR1260 3	9.698	0.0	106512779. 353	540.1694	ng/ml	100
T AR1260 1 #2	9.950	0.0	15770143.7 81	509.4038	ng/ml	100
T AR1260 4	10.174	0.0	60212085.8 13	528.1813	ng/ml m	100
T AR1260 2 #2	10.215	0.0	18817978.6 00	483.8578	ng/ml	100
T AR1260 3 #2	10.648	0.0	25242885.9 60	539.2204	ng/ml	100
T AR1260 5	10.862	0.0	47081808.2 36	344.8980	ng/ml	100
T AR1260 4 #2	11.066	0.0	12993167.2 93	438.9367	ng/ml	100
T AR1260 5 #2	11.750	0.0	20846499.7 17	474.3698	ng/ml	100

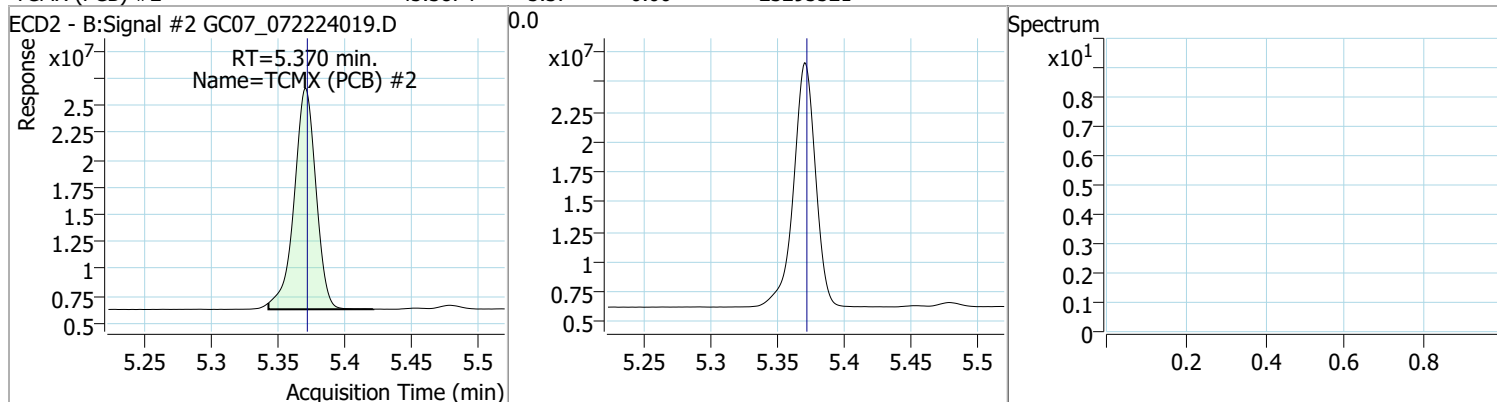
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

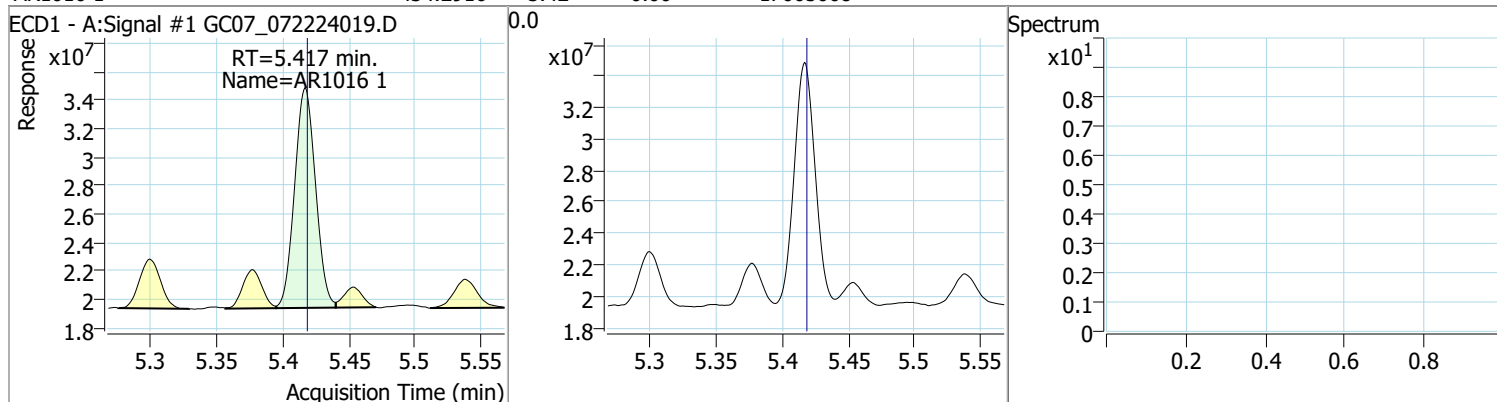
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.3840	5.07	0.00	93137146				



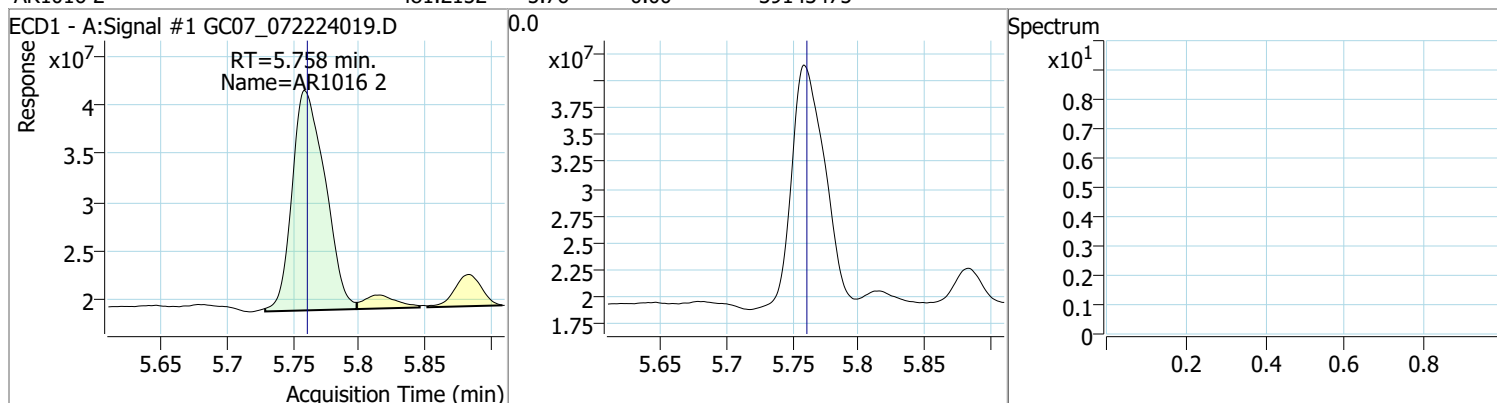
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.3874	5.37	0.00	23295521				



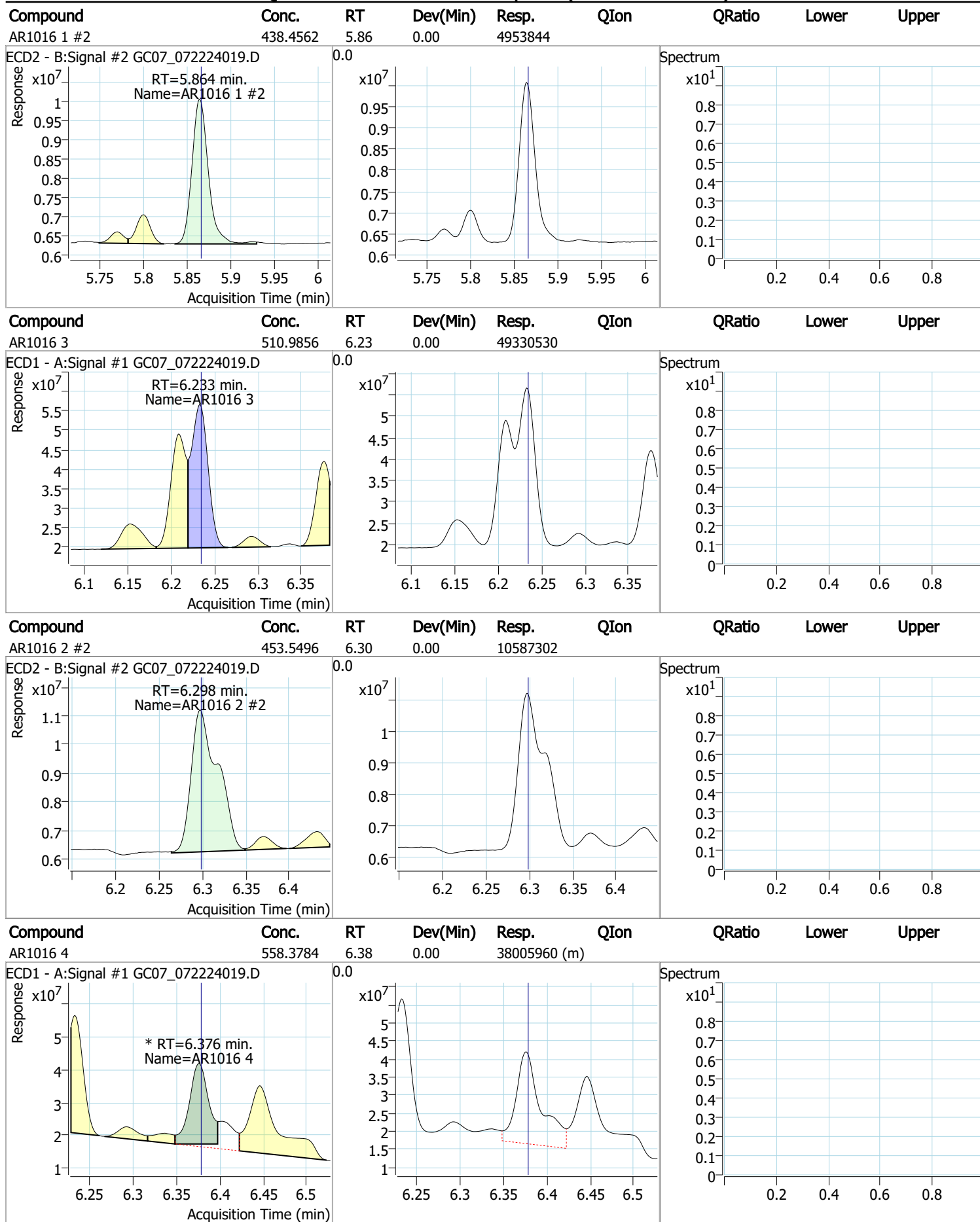
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	434.2916	5.42	0.00	17005068				



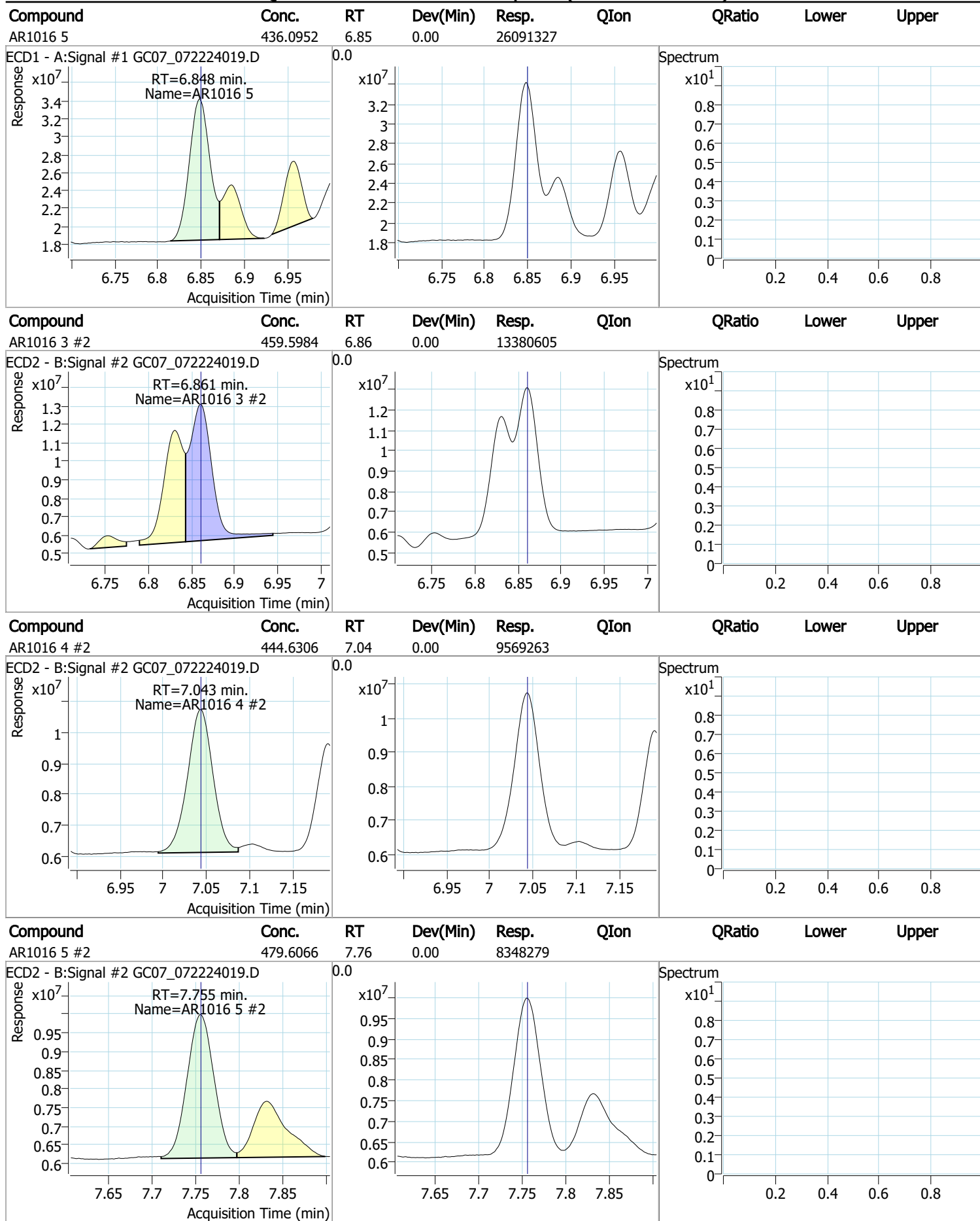
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	481.2152	5.76	0.00	39143475				



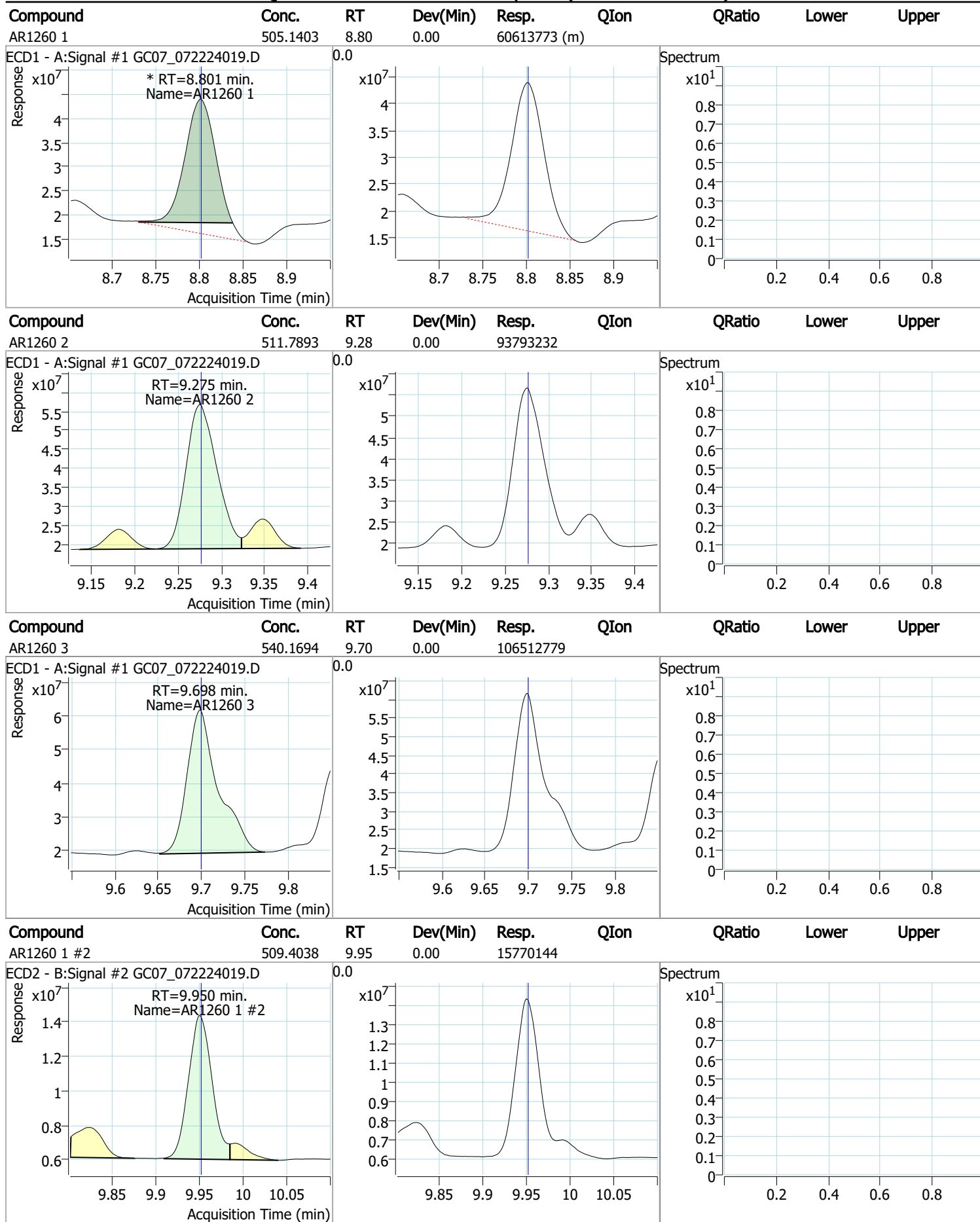
Quantitation Results Report (Not Reviewed)



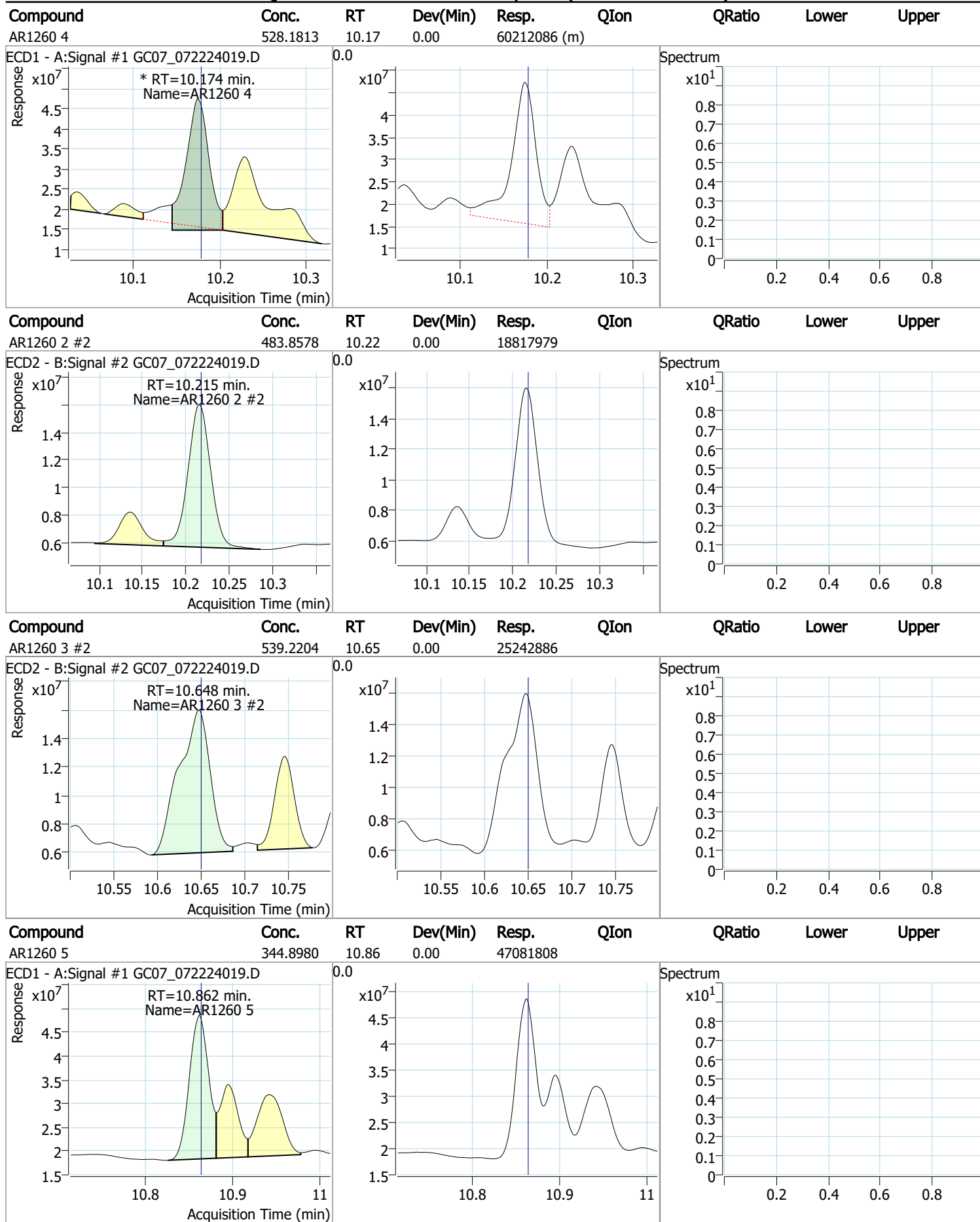
Quantitation Results Report (Not Reviewed)



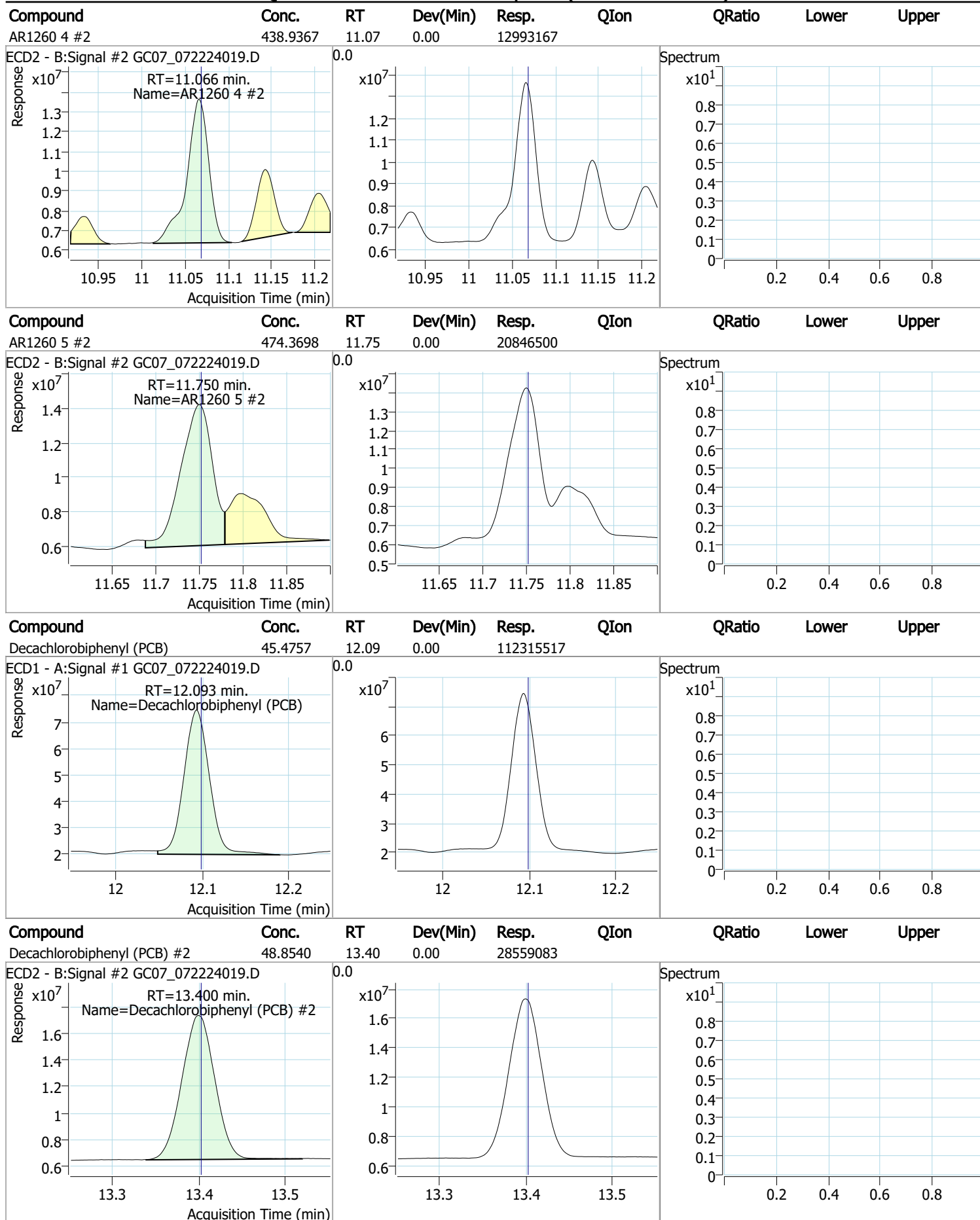
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Initial Calibration Raw Data

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r ²	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = $a0 + (amount \times a1) + (amount^2 \times a2)$ (invert equation before quantitating)

Where the X-Axis holds the (R)esponse: Instrument amount = $a0 + (response \times a1) + (response^2 \times a2)$

AVRG: Average response factor

QUAD: Quadratic regression

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	10.000	16	20.000	36	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	-21	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	38	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	22	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	24	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	21	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	-21
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	-21		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 512355 PCBs Wipe
EPA 8082

Inst:	SVOA-GC07	Name:	PCB_ICAL_062824
Calnum:	464259633001	Cal Date:	28-JUN-2024

- ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

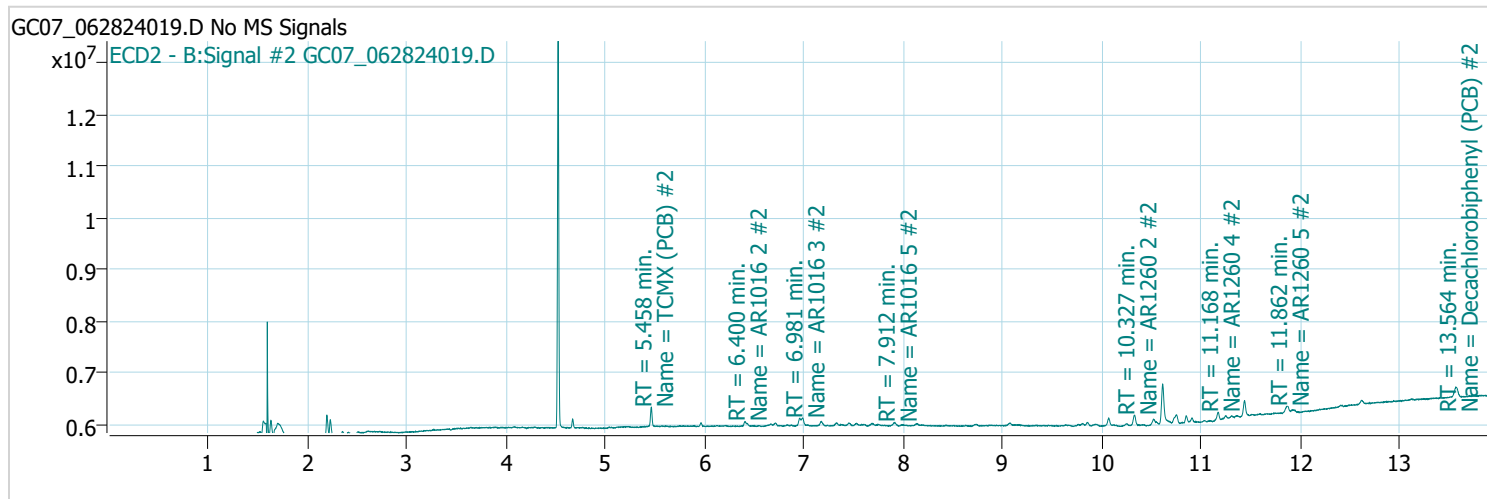
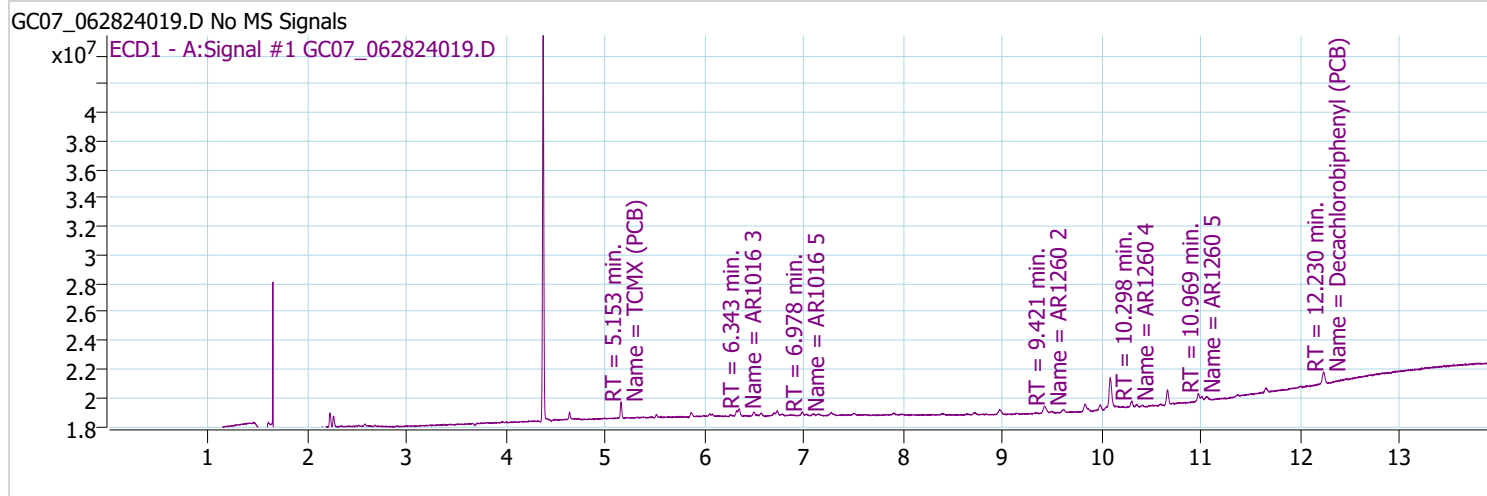
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Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_062824019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 12:46:26 PM
Sample Name	ICAL, S20882	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	10 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	24571557.1 63	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	6870927.88 4	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	1261418.44 3	1.0959	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.48%	*	
S TCMX (PCB) #2	5.458	0.0	479922.074	1.4562	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.28%	*	
S Decachlorobiphenyl (PCB)	12.230	0.0	1592723.13 1	1.1757	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.88%	*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	529439.591	1.4105	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.05%	*	

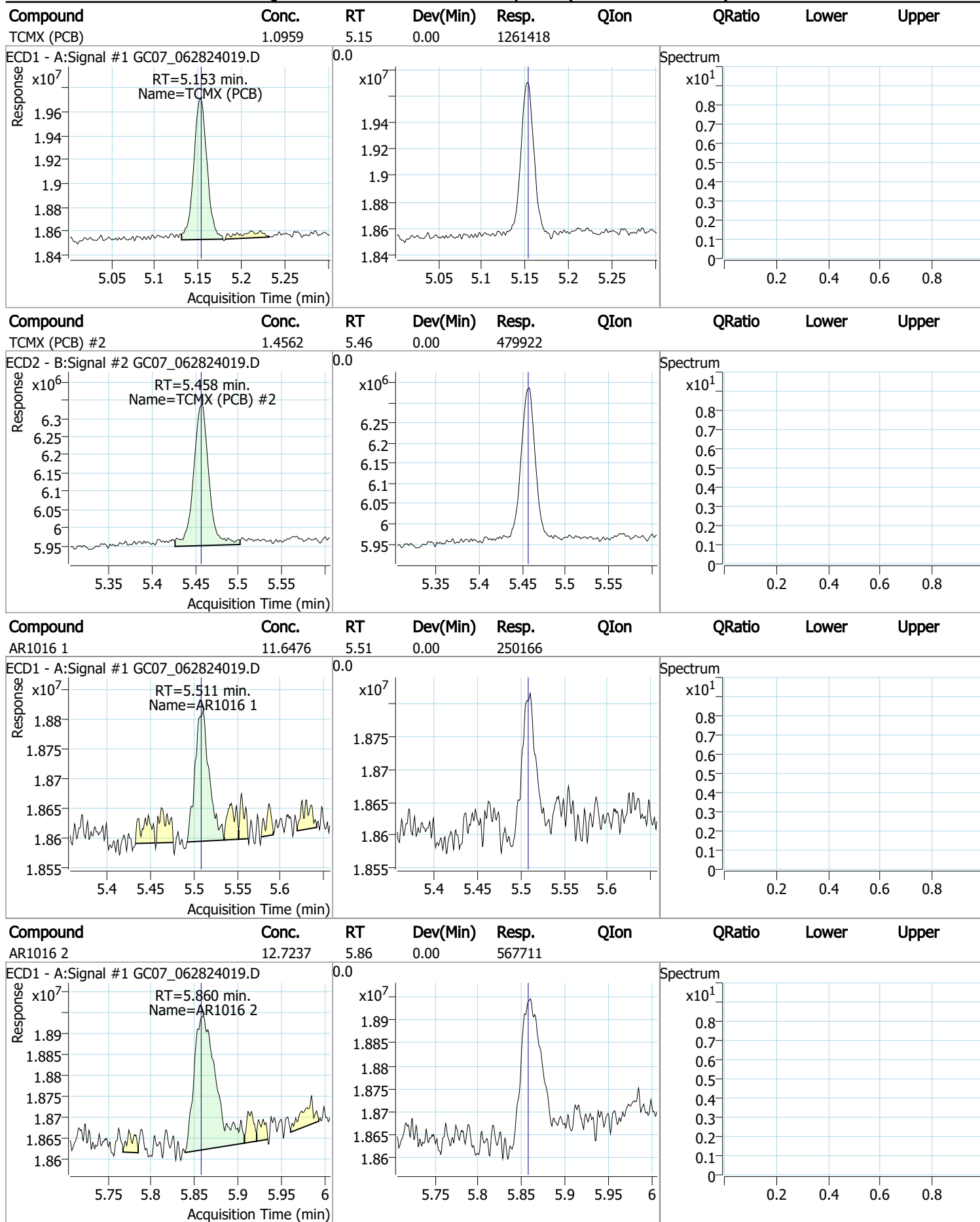
Target Compounds	RT	QIon	Resp.	Conc.	Units	QValue
T AR1016 1	5.511	0.0	250166.382	11.6476	ng/ml	100

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.860	0.0	567711.062	12.7237	ng/ml	100
T AR1016 1 #2	5.955	0.0	98252.376	13.5433	ng/ml	100
T AR1016 3	6.343	0.0	823683.187	14.7144	ng/ml	100
T AR1016 2 #2	6.400	0.0	234963.615	15.6761	ng/ml	100
T AR1016 4	6.490	0.0	523436.173	14.0199	ng/ml	100
T AR1016 5	6.978	0.0	382913.674	11.6679	ng/ml	100
T AR1016 3 #2	6.981	0.0	274478.452	14.6828	ng/ml	100
T AR1016 4 #2	7.171	0.0	169636.591	12.2754	ng/ml	100
T AR1016 5 #2	7.912	0.0	145456.994	13.0143	ng/ml	100
T AR1260 1	8.965	0.0	830630.752	12.6199	ng/ml	100
T AR1260 2	9.421	0.0	1329214.967	13.2227	ng/ml	100
T AR1260 3	9.828	0.0	1281172.483	11.8452	ng/ml	100
T AR1260 1 #2	10.065	0.0	300993.079	15.1419	ng/ml	100
T AR1260 4	10.298	0.0	688961.990	11.0179	ng/ml	100
T AR1260 2 #2	10.327	0.0	408888.473	16.3737	ng/ml	100
T AR1260 3 #2	10.747	0.0	385734.045	12.8325	ng/ml	100
T AR1260 5	10.969	0.0	908059.589	12.1271	ng/ml	100
T AR1260 4 #2	11.168	0.0	258781.502	13.6150	ng/ml	100
T AR1260 5 #2	11.862	0.0	362498.558	12.8466	ng/ml	100

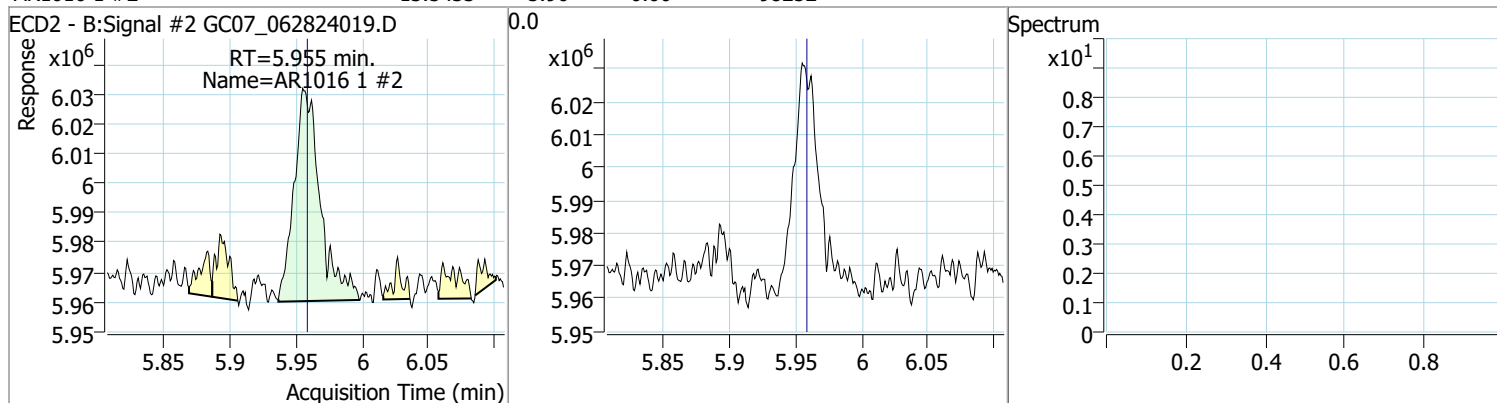
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

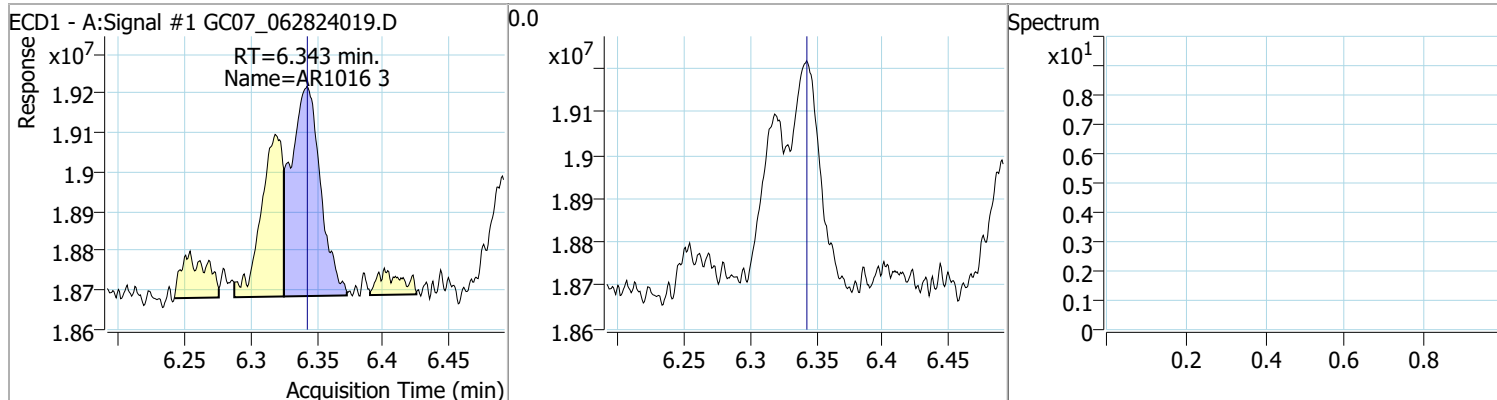


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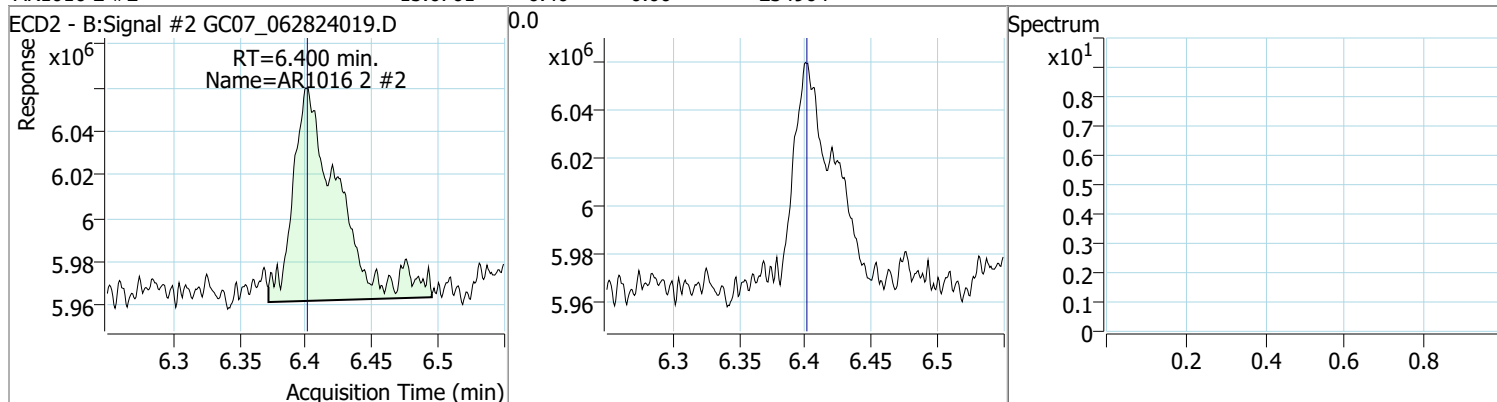
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	13.5433	5.96	0.00	98252				



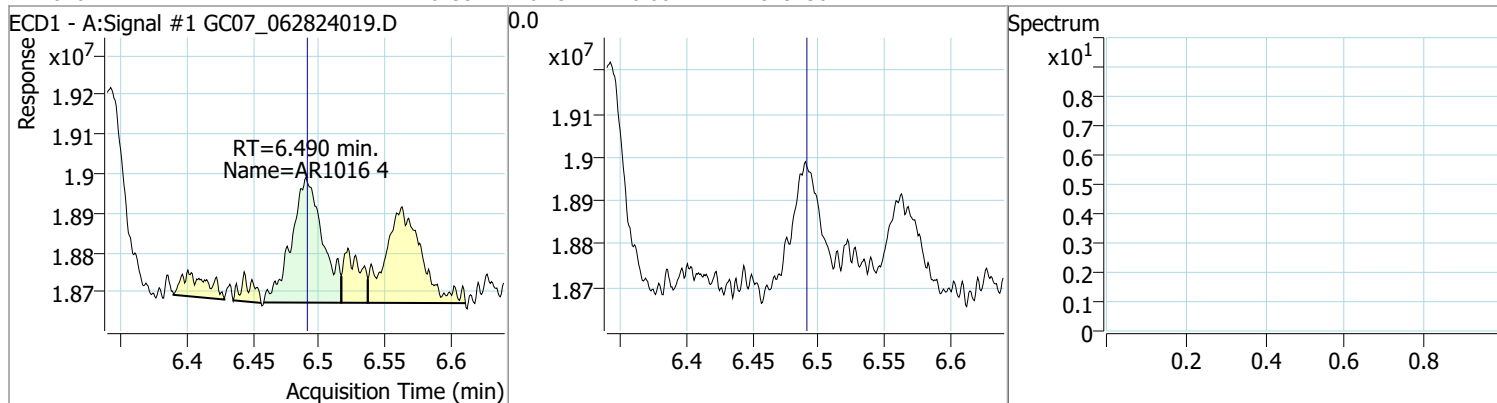
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	14.7144	6.34	0.00	823683				



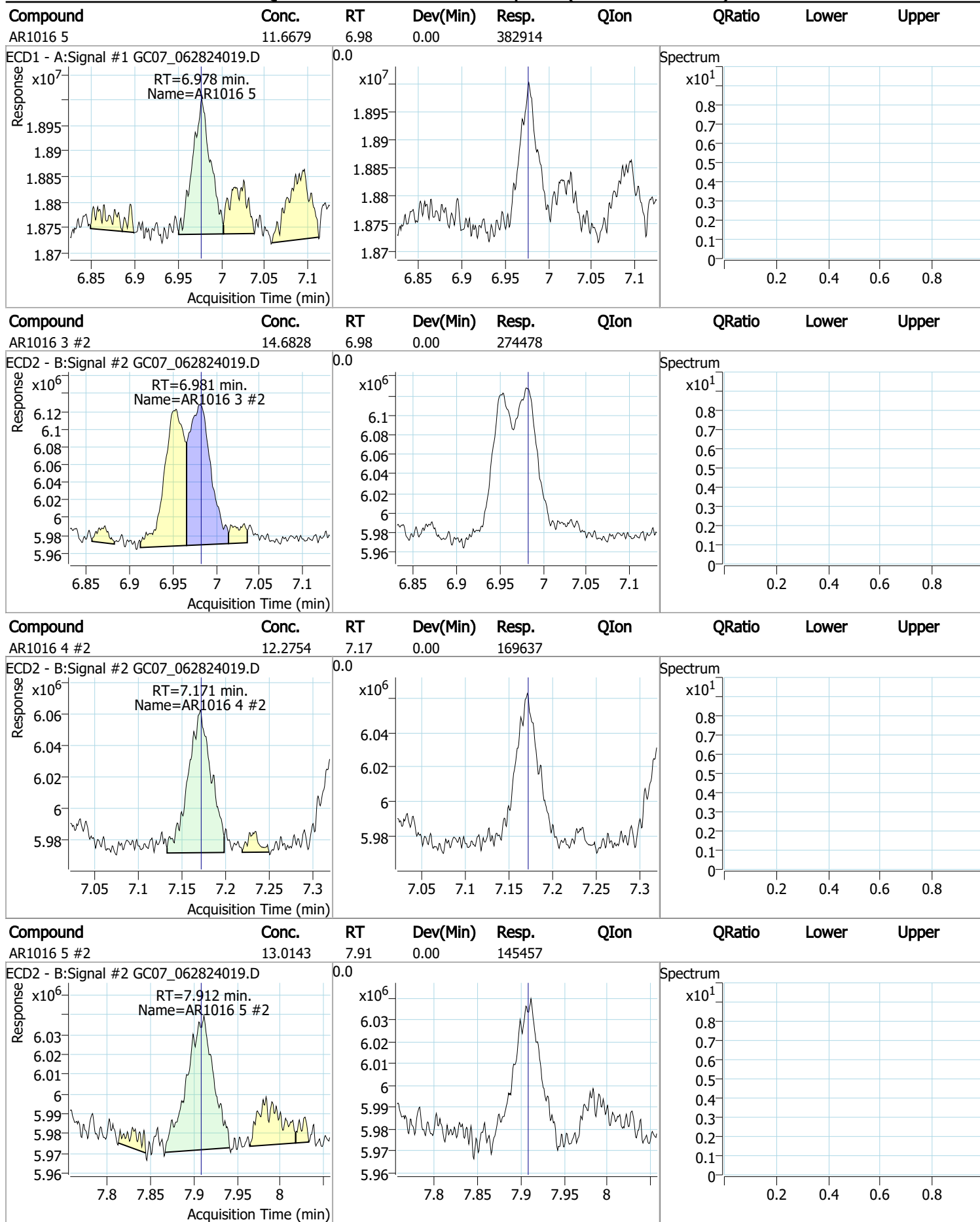
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	15.6761	6.40	0.00	234964				



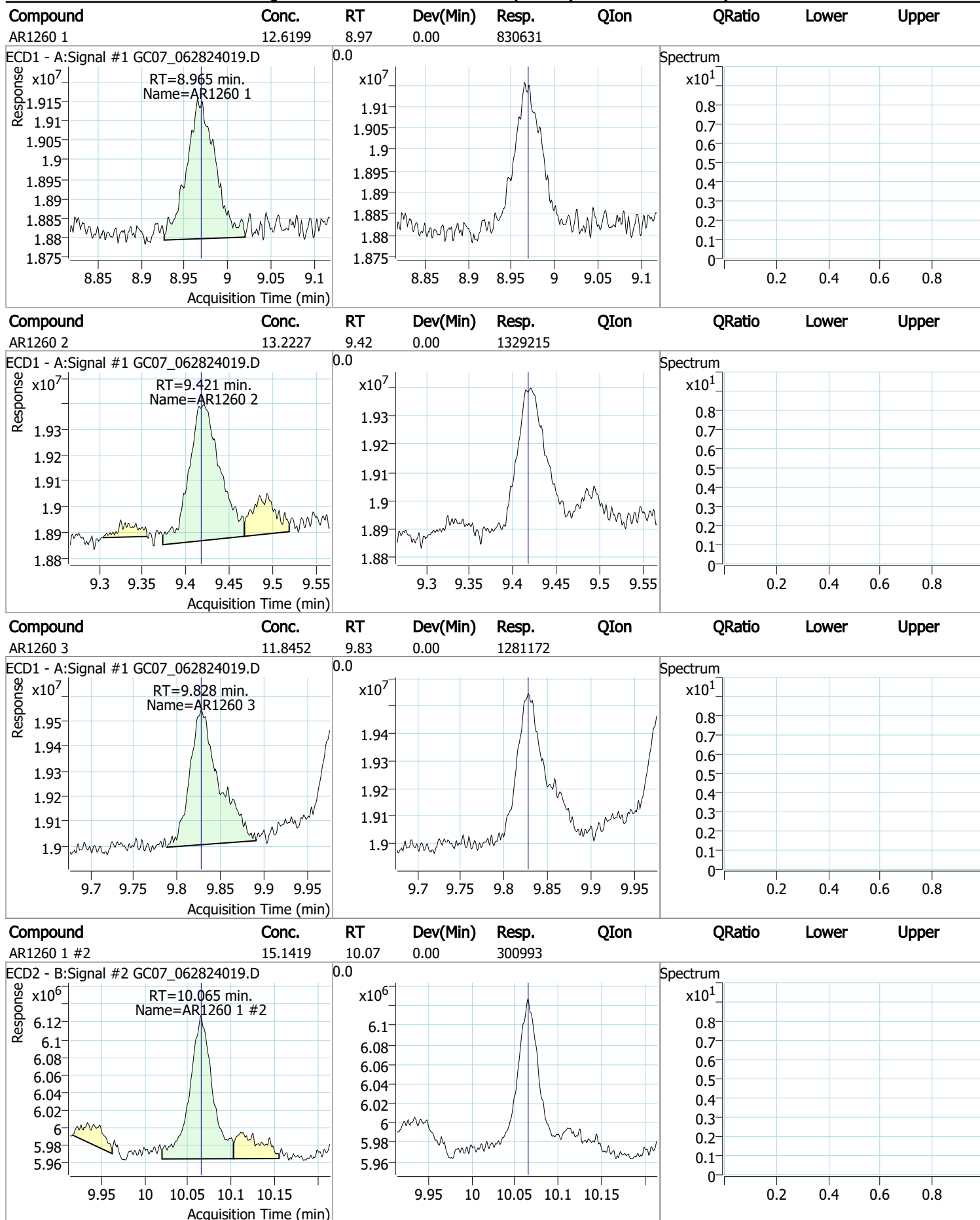
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	14.0199	6.49	0.00	523436				



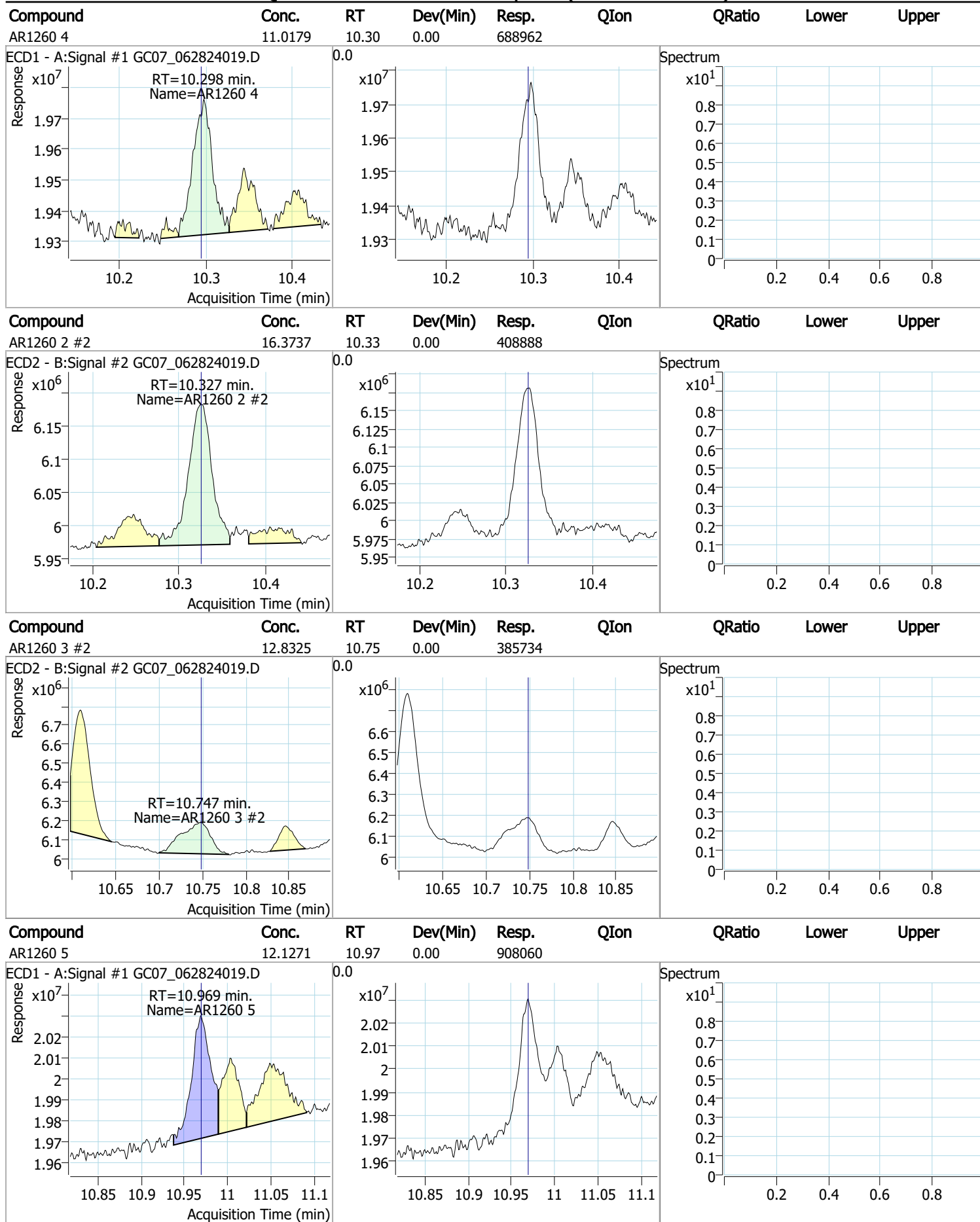
Quantitation Results Report (Not Reviewed)



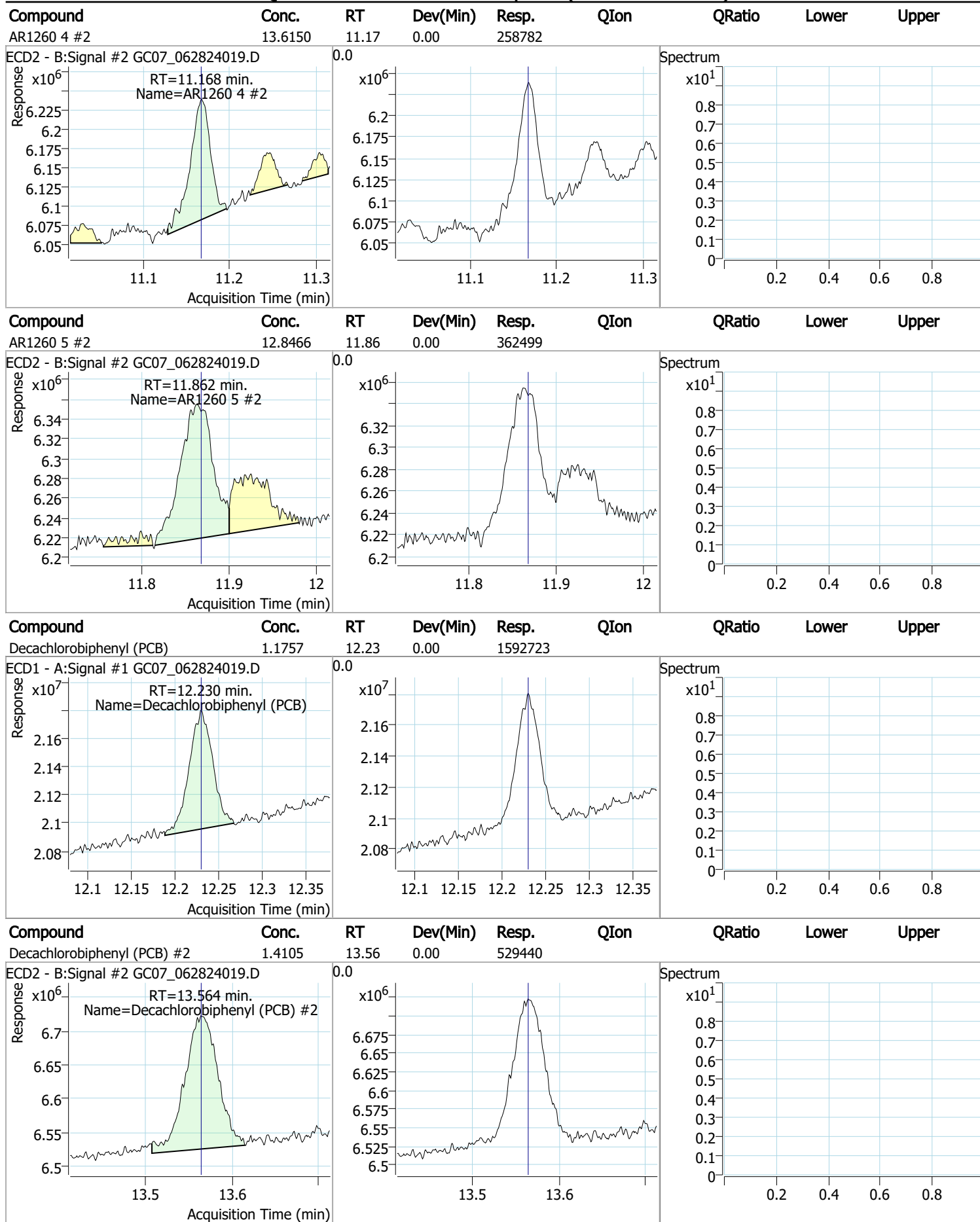
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Quantitation Results Report (Not Reviewed)

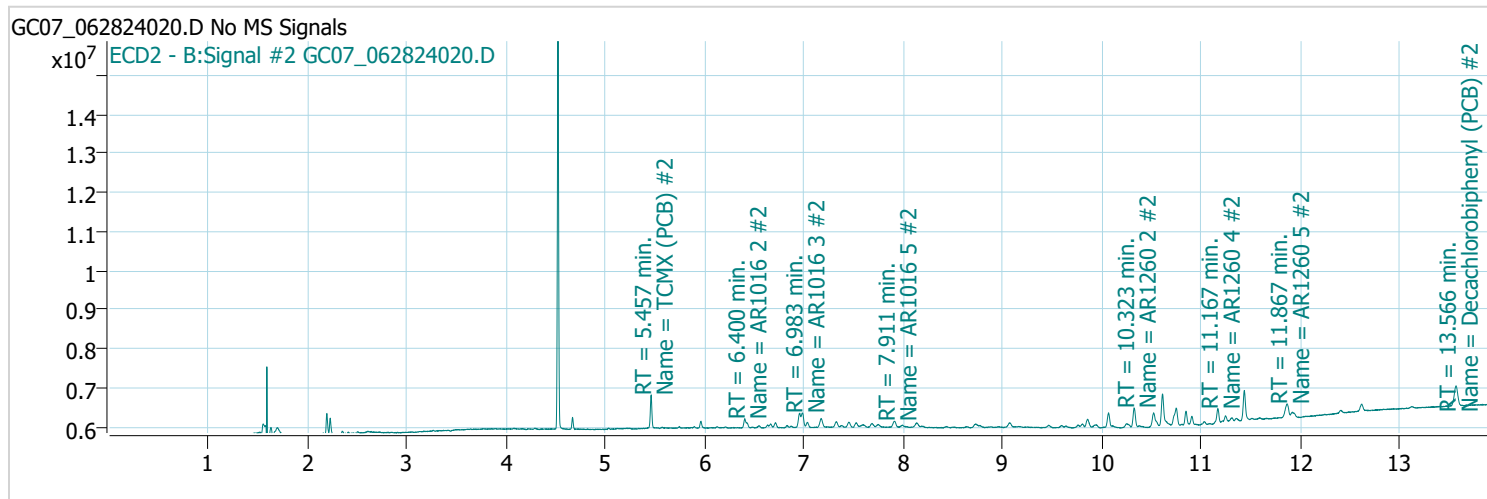
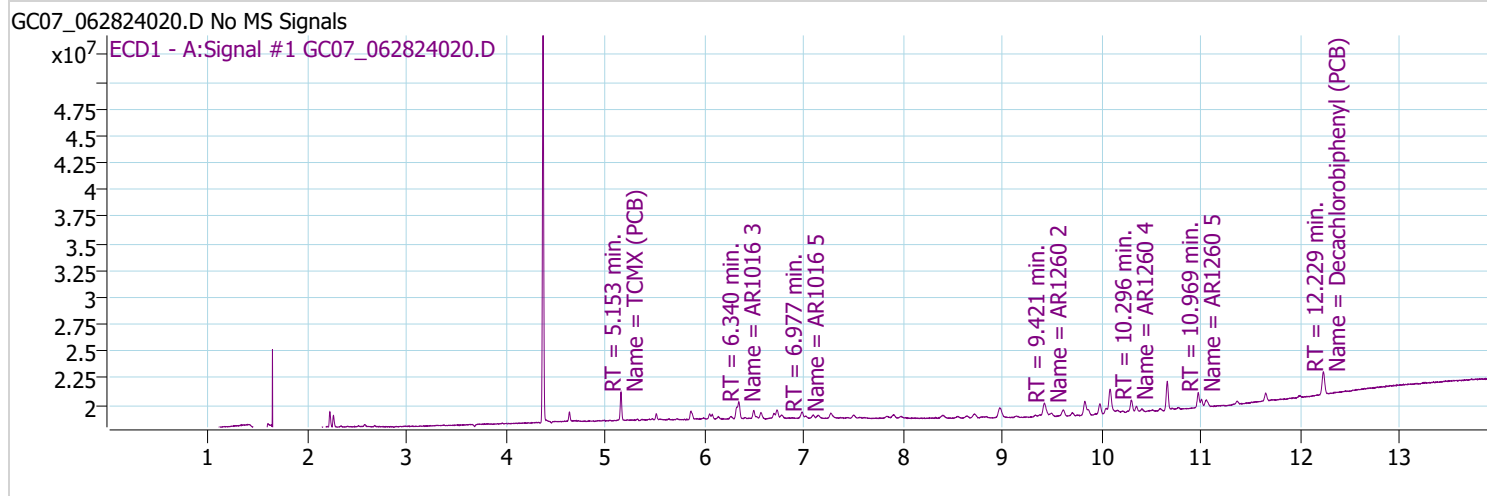


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:03:54 PM
Sample Name	ICAL, S20883	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	32813773.5 36	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9060765.11 6	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	2840834.54 0	1.8481	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.24%	*	
S TCMX (PCB) #2	5.457	0.0	959453.181	2.2077	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.04%	*	
S Decachlorobiphenyl (PCB)	12.229	0.0	3958101.06 1	2.1878	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.94%	*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	1322291.57 0	2.6713	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 13.36%	*	
Target Compounds						
T AR1016 1	5.508	0.0	778021.224	27.1254	ng/ml	100

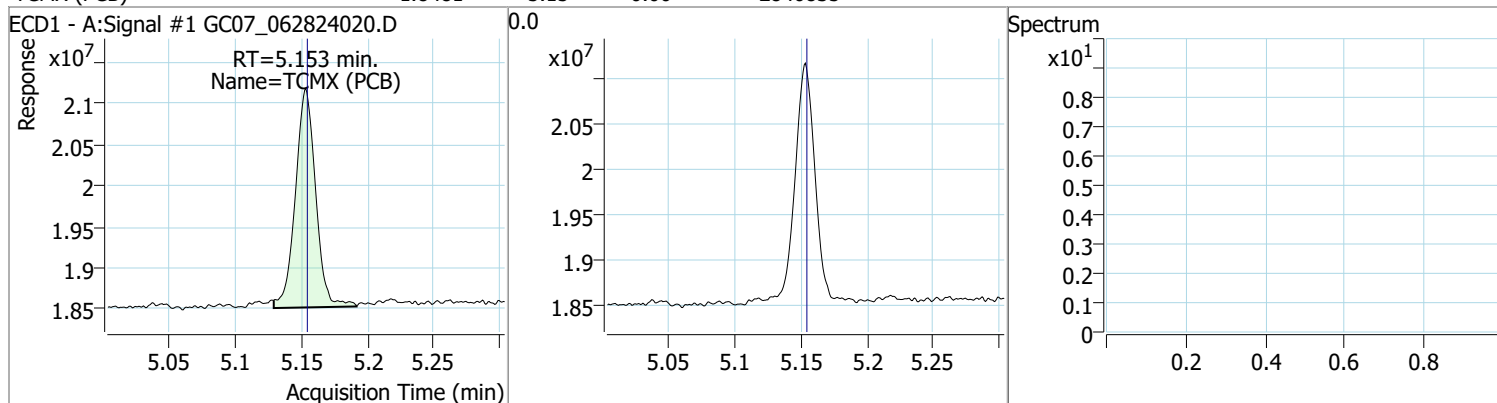
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.858	0.0	1328254.498	22.2917	ng/ml	100
T AR1016 1 #2	5.959	0.0	234191.399	24.4795	ng/ml	100
T AR1016 3	6.340	0.0	2571625.561	34.4007	ng/ml m	100
T AR1016 2 #2	6.400	0.0	499061.047	25.2488	ng/ml	100
T AR1016 4	6.492	0.0	1099340.852	22.0491	ng/ml m	100
T AR1016 5	6.977	0.0	1000156.918	22.8210	ng/ml	100
T AR1016 3 #2	6.983	0.0	636605.373	25.8238	ng/ml	100
T AR1016 4 #2	7.170	0.0	451066.540	24.7519	ng/ml	100
T AR1016 5 #2	7.911	0.0	330412.358	22.4177	ng/ml	100
T AR1260 1	8.971	0.0	2419291.681	27.5240	ng/ml	100
T AR1260 2	9.421	0.0	3049907.638	22.7190	ng/ml	100
T AR1260 3	9.827	0.0	3105274.279	21.4986	ng/ml m	100
T AR1260 1 #2	10.066	0.0	707182.644	26.9777	ng/ml	100
T AR1260 4	10.296	0.0	1916354.860	22.9487	ng/ml	100
T AR1260 2 #2	10.323	0.0	876957.107	26.6300	ng/ml	100
T AR1260 3 #2	10.747	0.0	960062.850	24.2200	ng/ml	100
T AR1260 5	10.969	0.0	2085632.219	20.8573	ng/ml	100
T AR1260 4 #2	11.167	0.0	448239.327	17.8832	ng/ml	100
T AR1260 5 #2	11.867	0.0	881344.046	23.6852	ng/ml	100

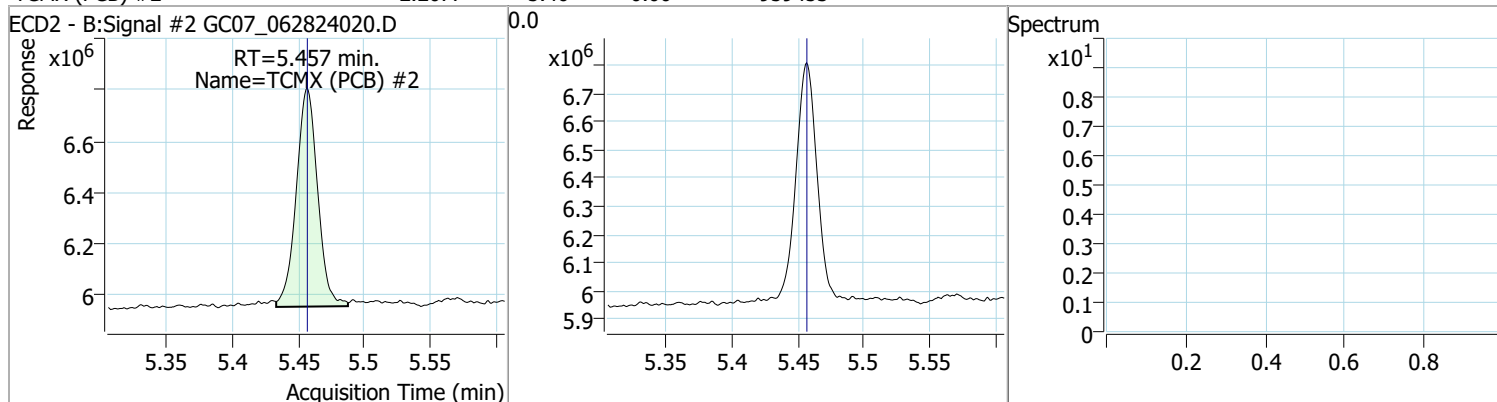
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

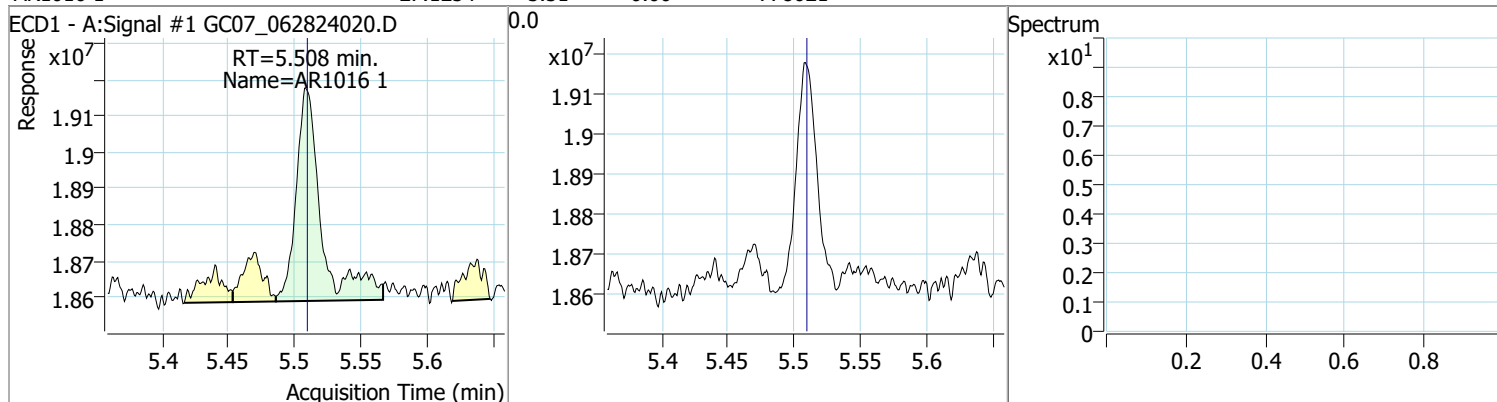
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8481	5.15	0.00	2840835				



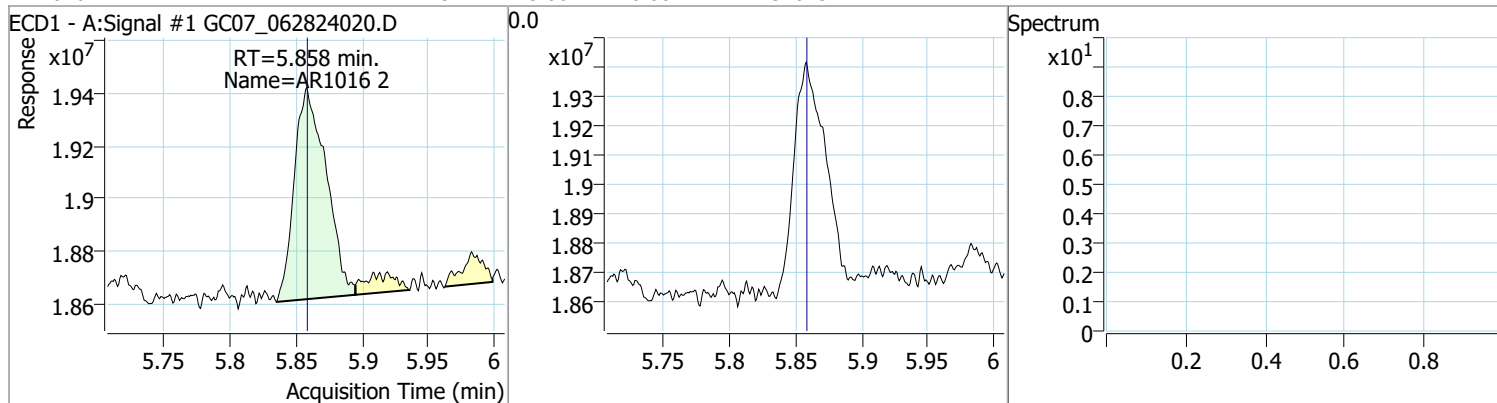
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.2077	5.46	0.00	959453				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	27.1254	5.51	0.00	778021				

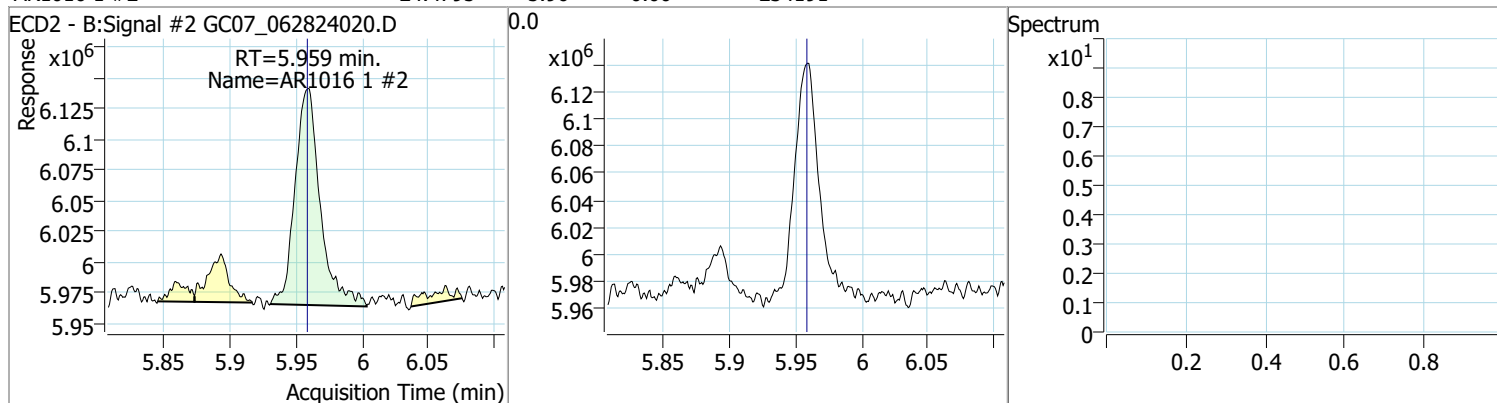


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.2917	5.86	0.00	1328254				

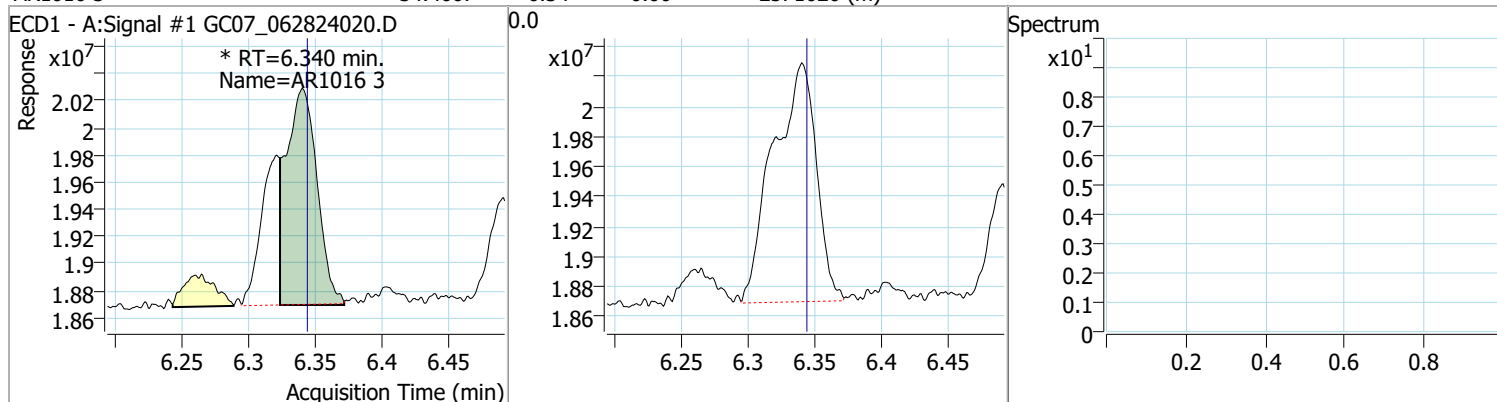


Quantitation Results Report (Not Reviewed)

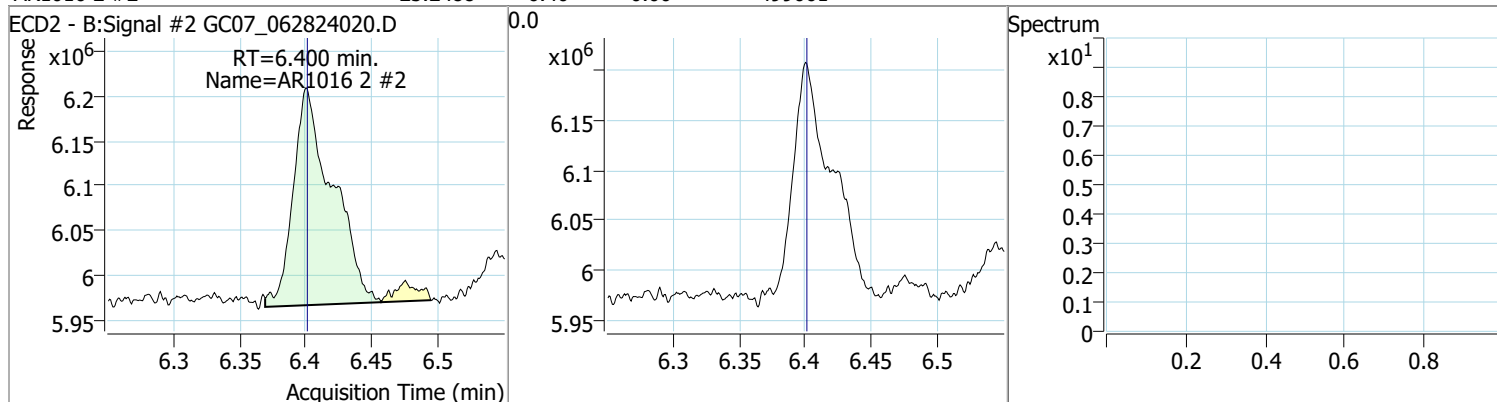
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.4795	5.96	0.00	234191				



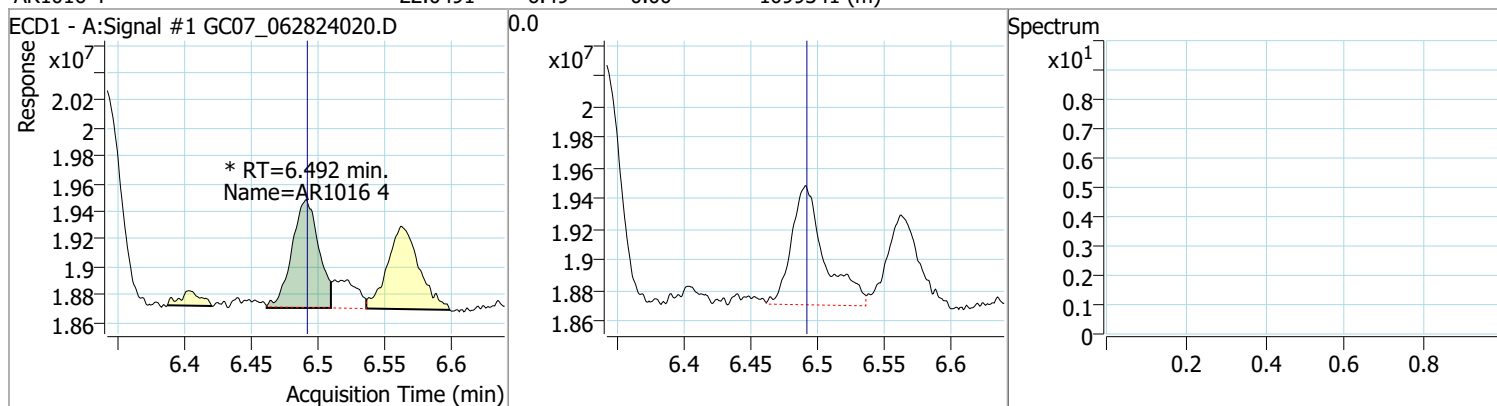
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.4007	6.34	0.00	2571626 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	25.2488	6.40	0.00	499061				

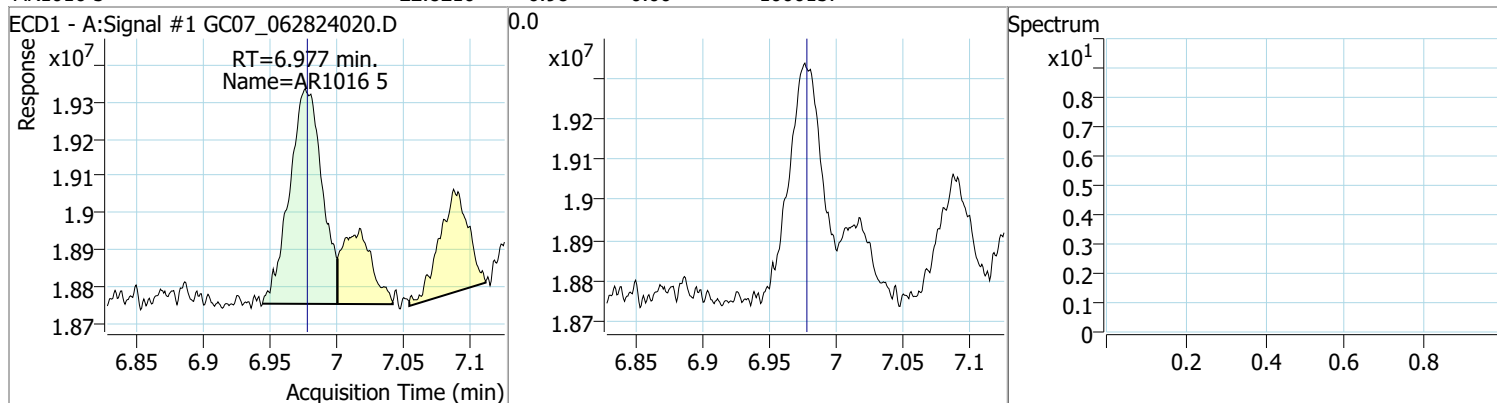


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	22.0491	6.49	0.00	1099341 (m)				

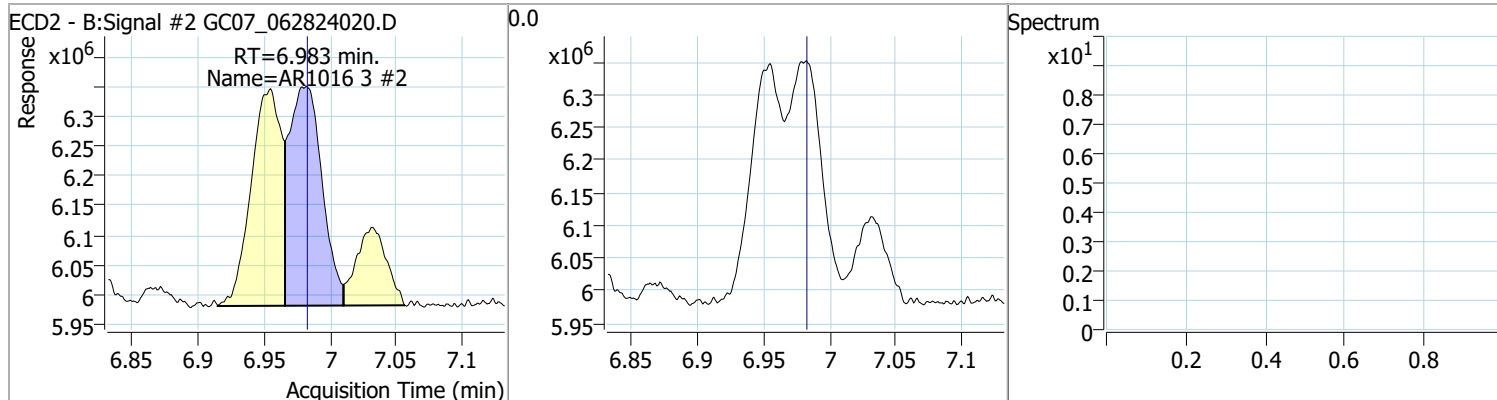


Quantitation Results Report (Not Reviewed)

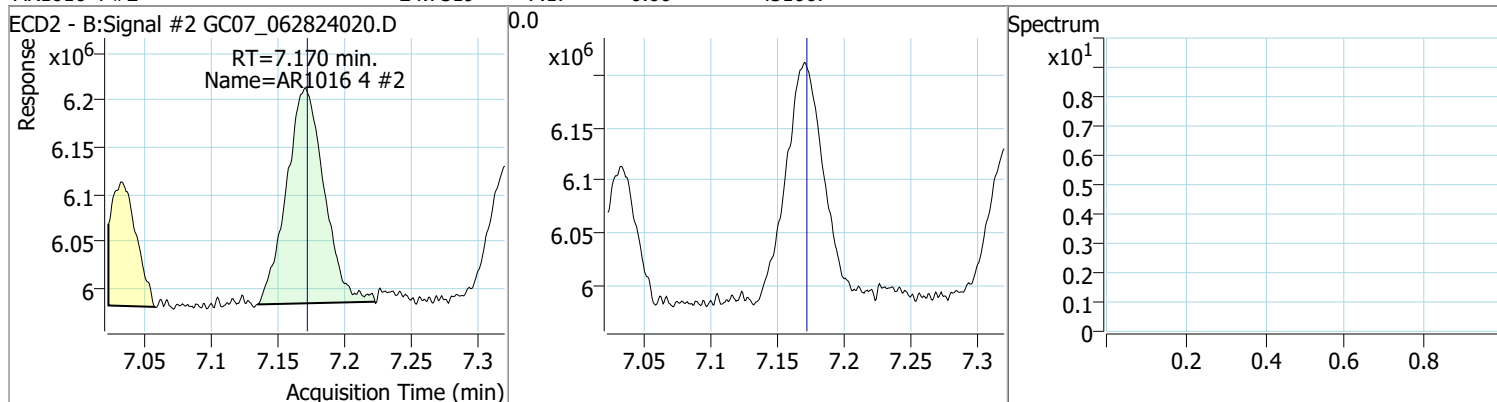
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	22.8210	6.98	0.00	1000157				



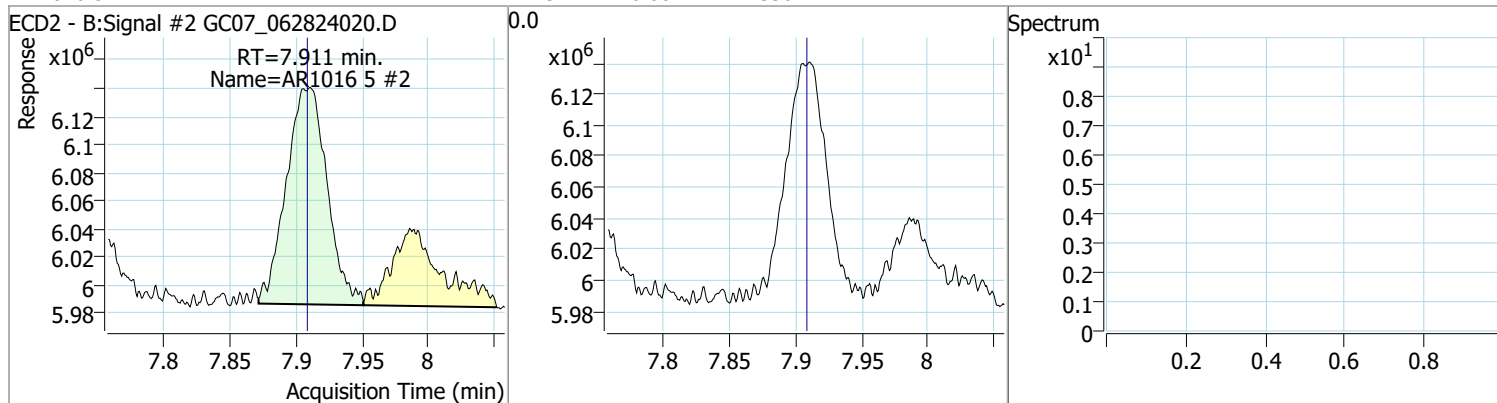
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	25.8238	6.98	0.00	636605				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.7519	7.17	0.00	451067				

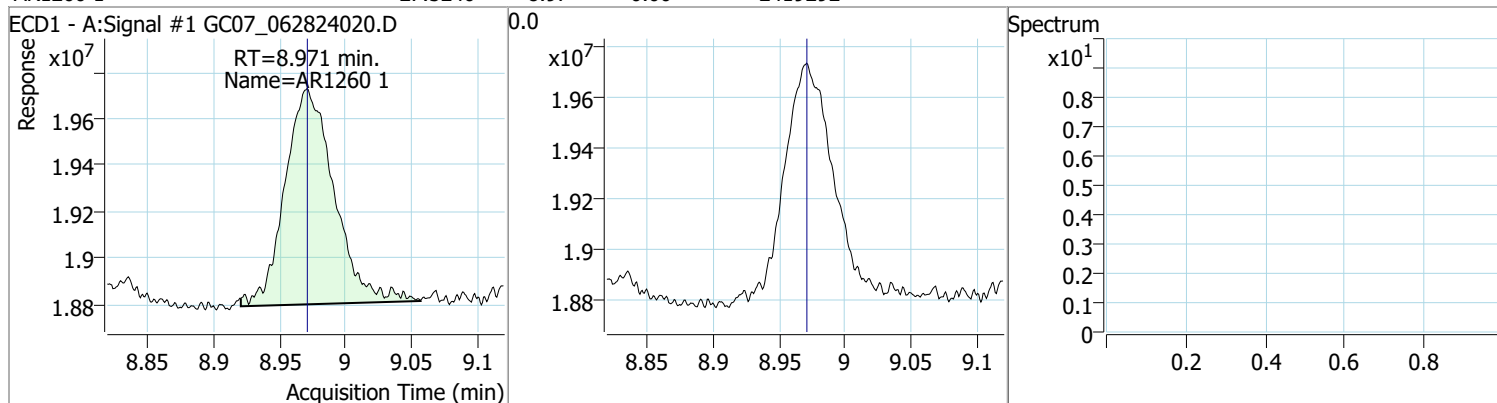


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.4177	7.91	0.00	330412				

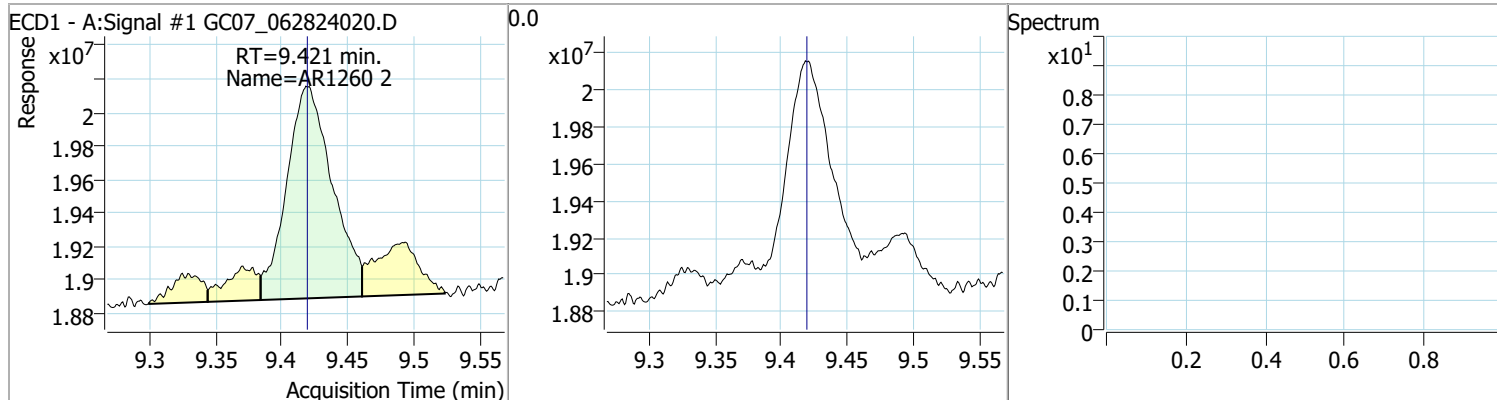


Quantitation Results Report (Not Reviewed)

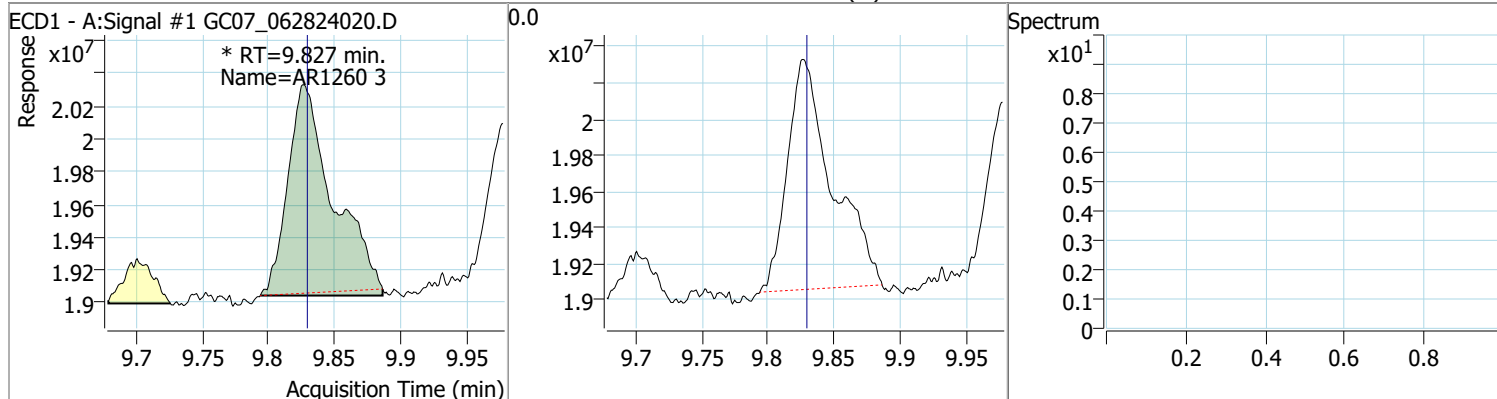
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.5240	8.97	0.00	2419292				



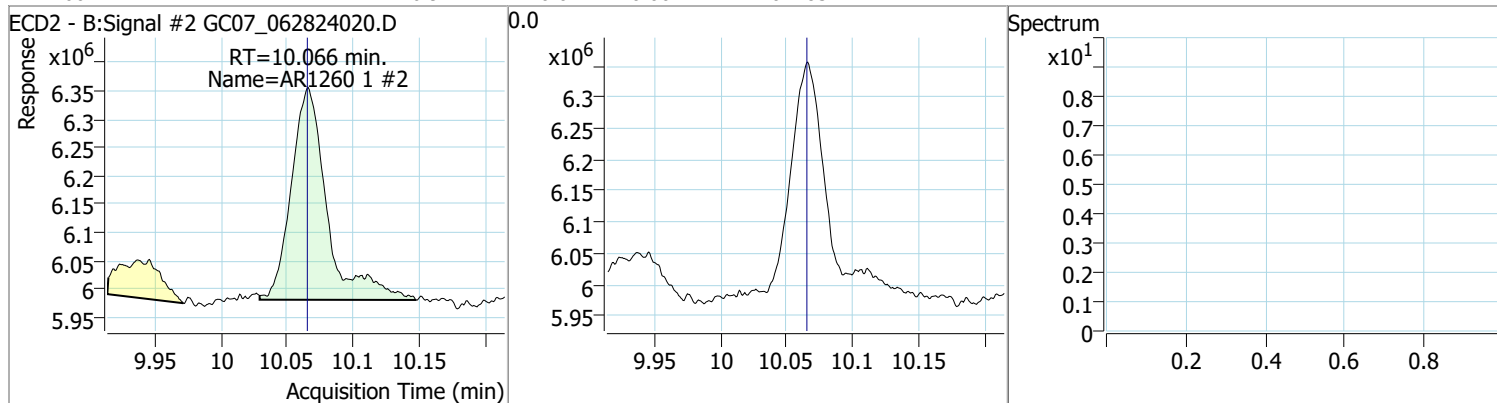
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.7190	9.42	0.00	3049908				



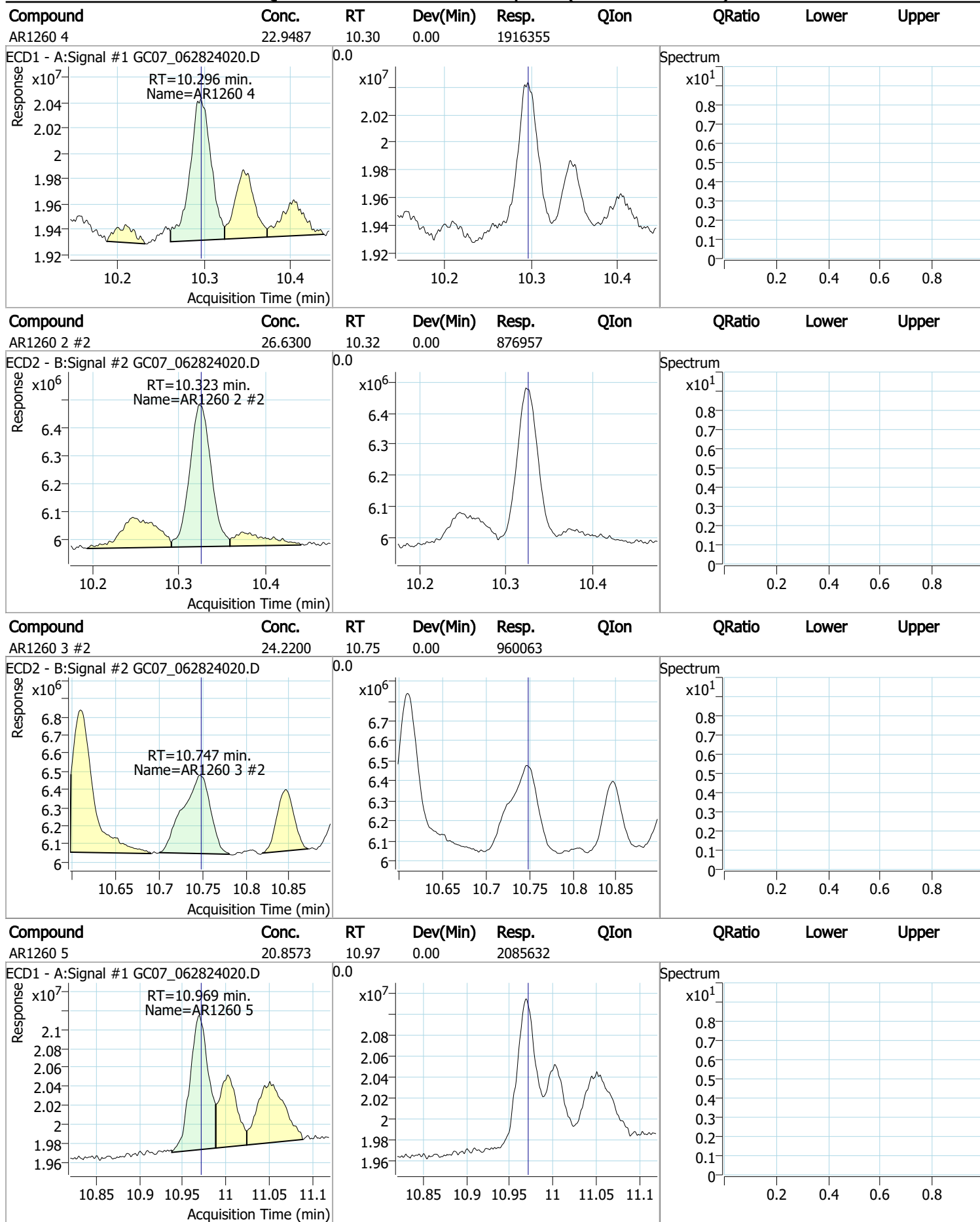
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	21.4986	9.83	0.00	3105274 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.9777	10.07	0.00	707183				

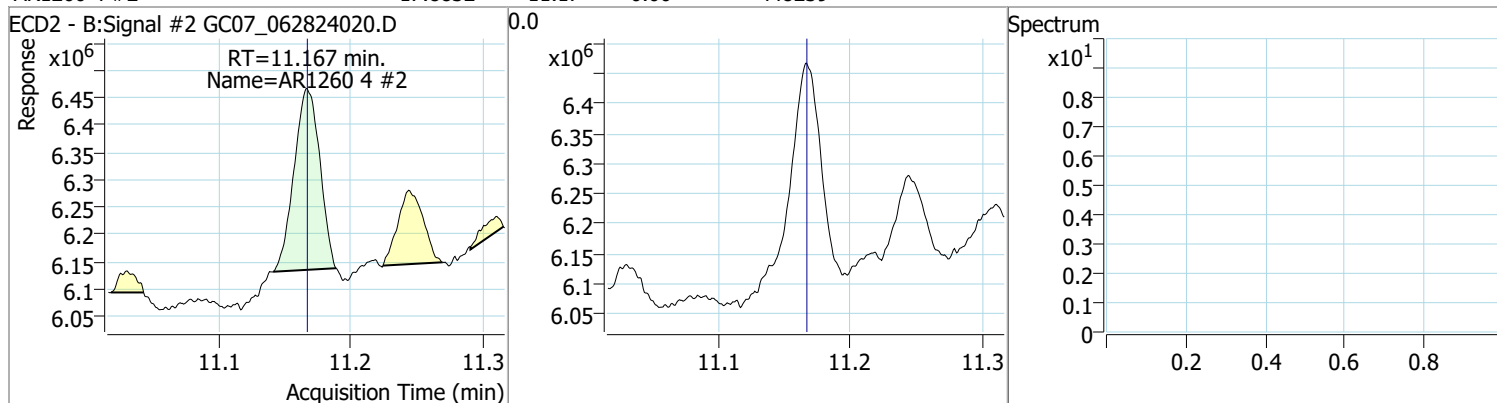


Quantitation Results Report (Not Reviewed)

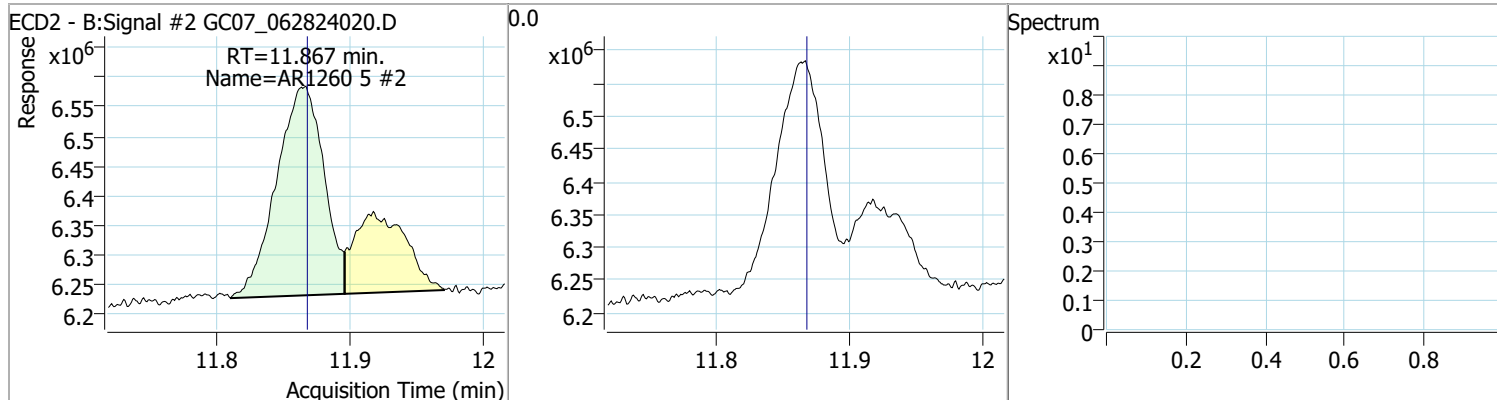


Quantitation Results Report (Not Reviewed)

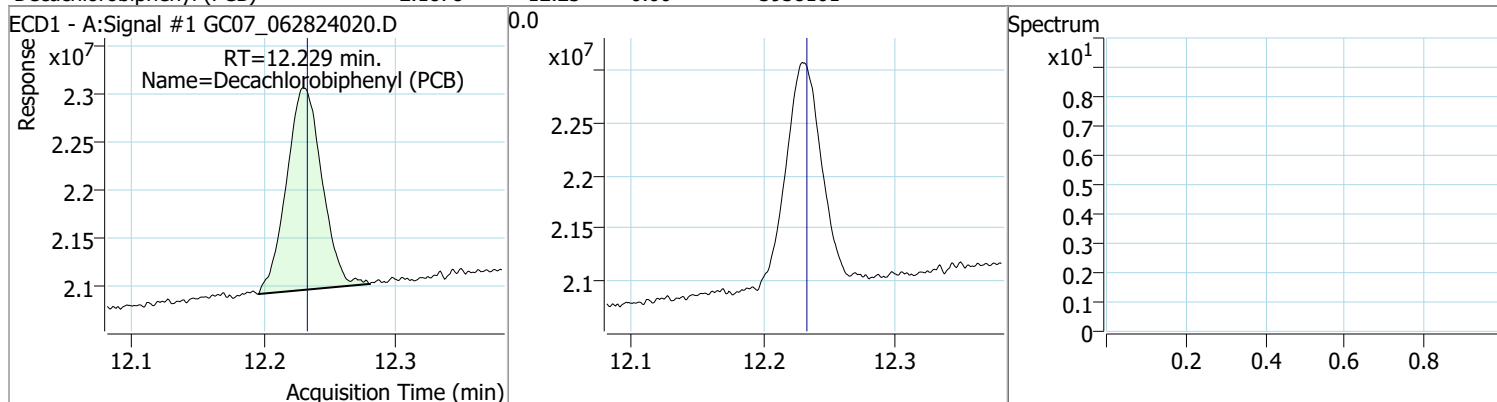
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	17.8832	11.17	0.00	448239				



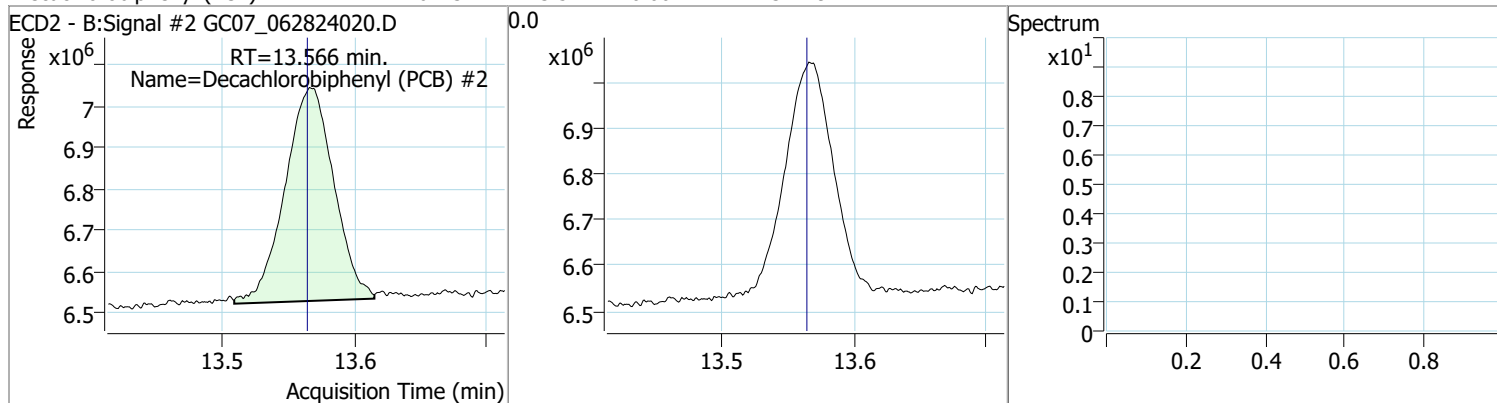
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.6852	11.87	0.00	881344				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.1878	12.23	0.00	3958101				

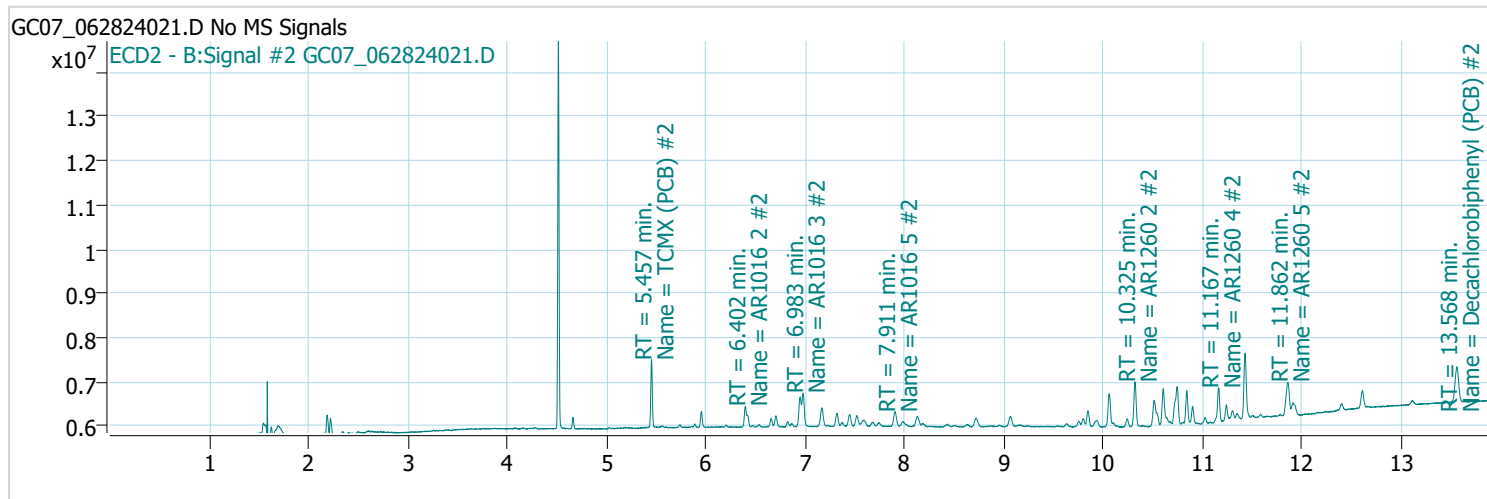
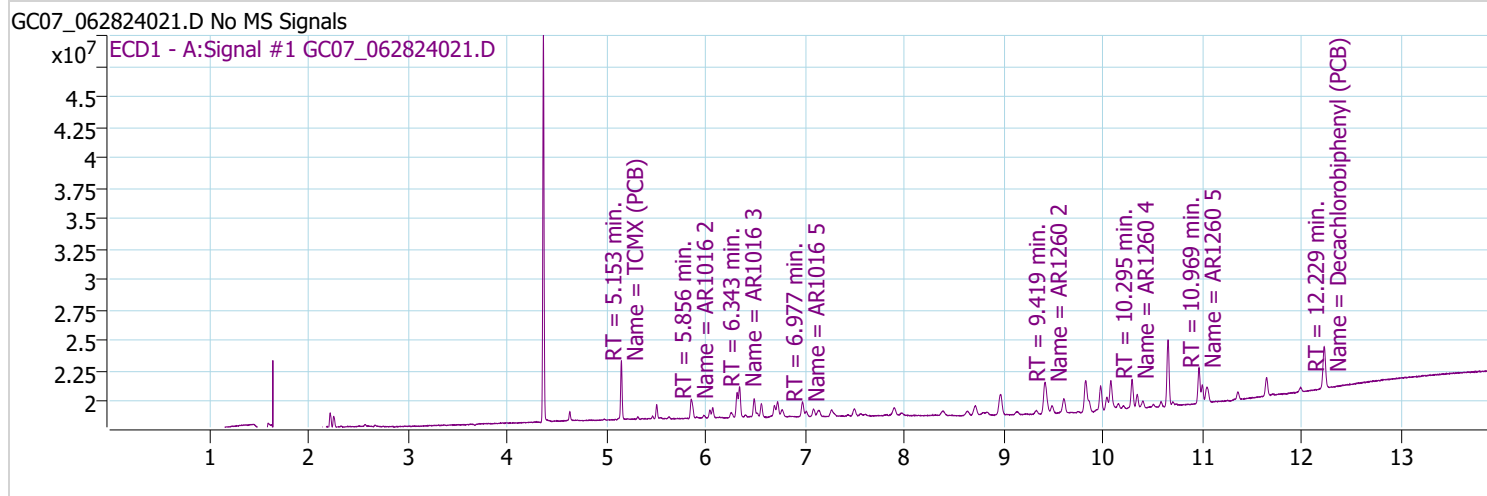


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.6713	13.57	0.00	1322292				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:21:15 PM
Sample Name	ICAL, S20884	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28707643.0 33	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.519	0.0	8040733.06 1	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	5199884.49 9	3.8667	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.33%	*	
S TCMX (PCB) #2	5.457	0.0	1720703.08 3	4.4616	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.31%	*	
S Decachlorobiphenyl (PCB)	12.229	0.0	6469062.07 1	4.0872	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.44%	*	
S Decachlorobiphenyl (PCB) #2	13.568	0.0	2052070.95 8	4.6716	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.36%	*	

Target Compounds

QValue

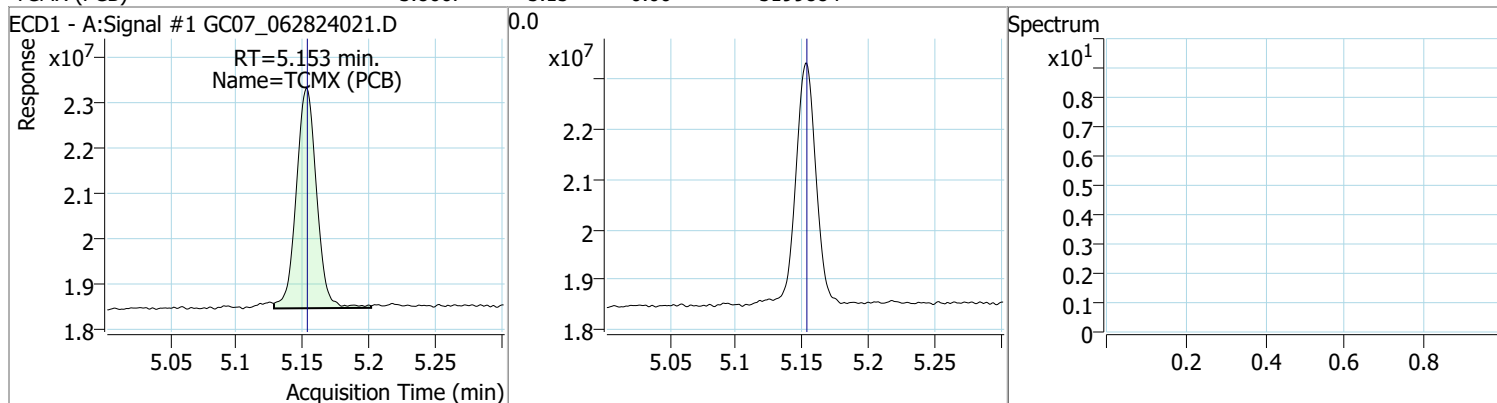
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	1316179.52 0	52.4516	ng/ml	100
T AR1016 2	5.856	0.0	2702344.34 4	51.8396	ng/ml	100
T AR1016 1 #2	5.958	0.0	454408.366	53.5238	ng/ml	100
T AR1016 3	6.343	0.0	3592955.58 6	54.9376	ng/ml	100
T AR1016 2 #2	6.402	0.0	991079.735	56.5021	ng/ml	100
T AR1016 4	6.490	0.0	2136718.05 6	48.9852	ng/ml m	100
T AR1016 5	6.977	0.0	1997824.75 6	52.1055	ng/ml	100
T AR1016 3 #2	6.983	0.0	1288206.68 1	58.8850	ng/ml	100
T AR1016 4 #2	7.170	0.0	896004.883	55.4049	ng/ml	100
T AR1016 5 #2	7.911	0.0	682282.940	52.1638	ng/ml	100
T AR1260 1	8.973	0.0	3801549.94 4	49.4359	ng/ml	100
T AR1260 2	9.419	0.0	6104749.71 1	51.9790	ng/ml	100
T AR1260 3	9.828	0.0	6530061.77 7	51.6757	ng/ml	100
T AR1260 1 #2	10.065	0.0	1288208.27 1	55.3770	ng/ml	100
T AR1260 4	10.295	0.0	3805769.20 2	52.0934	ng/ml	100
T AR1260 2 #2	10.325	0.0	1723687.25 5	58.9821	ng/ml	100
T AR1260 3 #2	10.747	0.0	1959961.16 2	55.7175	ng/ml	100
T AR1260 5	10.969	0.0	4469357.86 6	51.0885	ng/ml	100
T AR1260 4 #2	11.167	0.0	1226114.81 1	55.1232	ng/ml	100
T AR1260 5 #2	11.862	0.0	1820415.00 5	55.1278	ng/ml	100

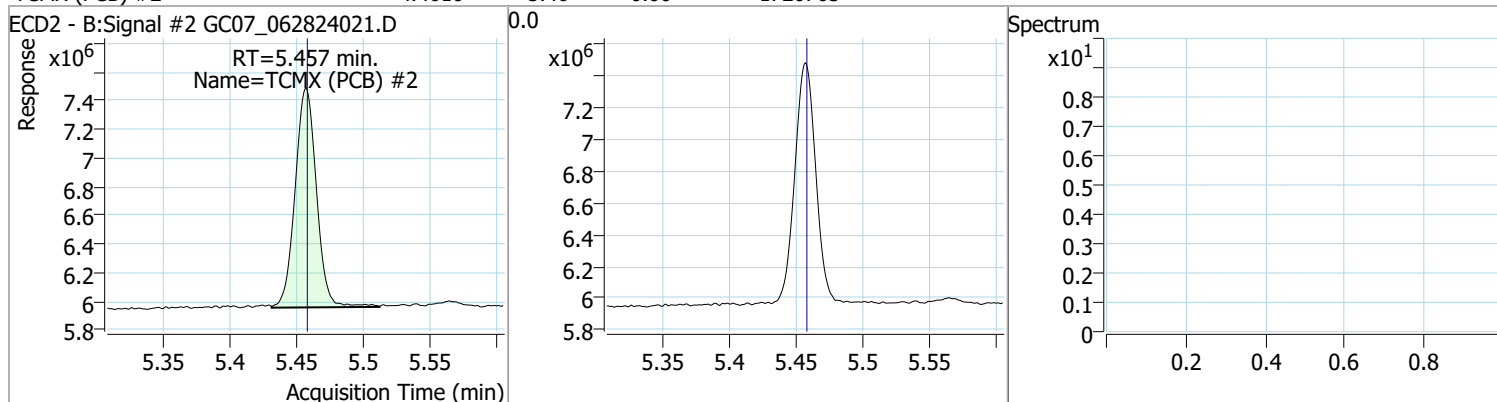
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

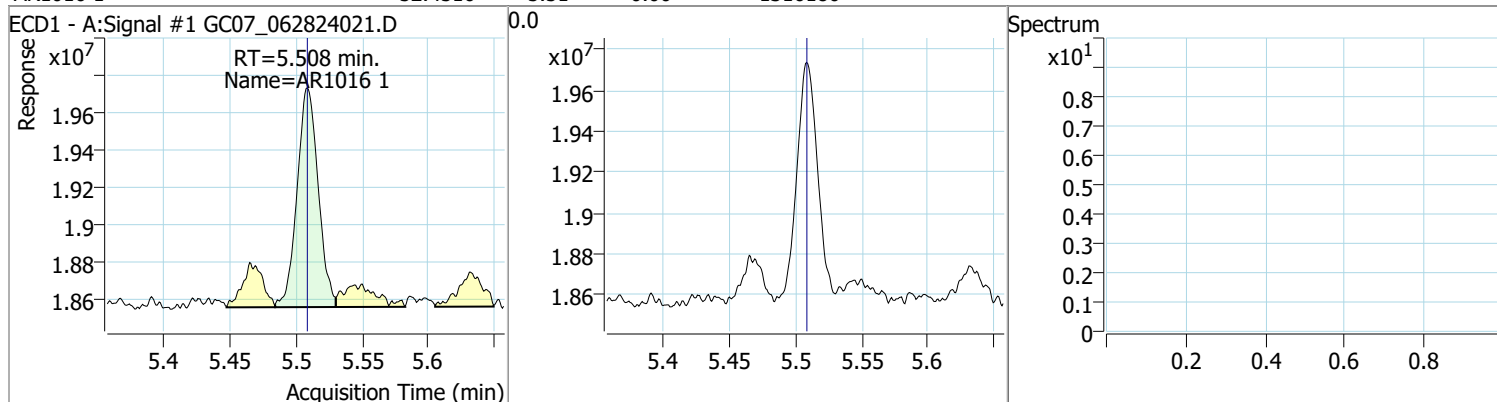
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.8667	5.15	0.00	5199884				



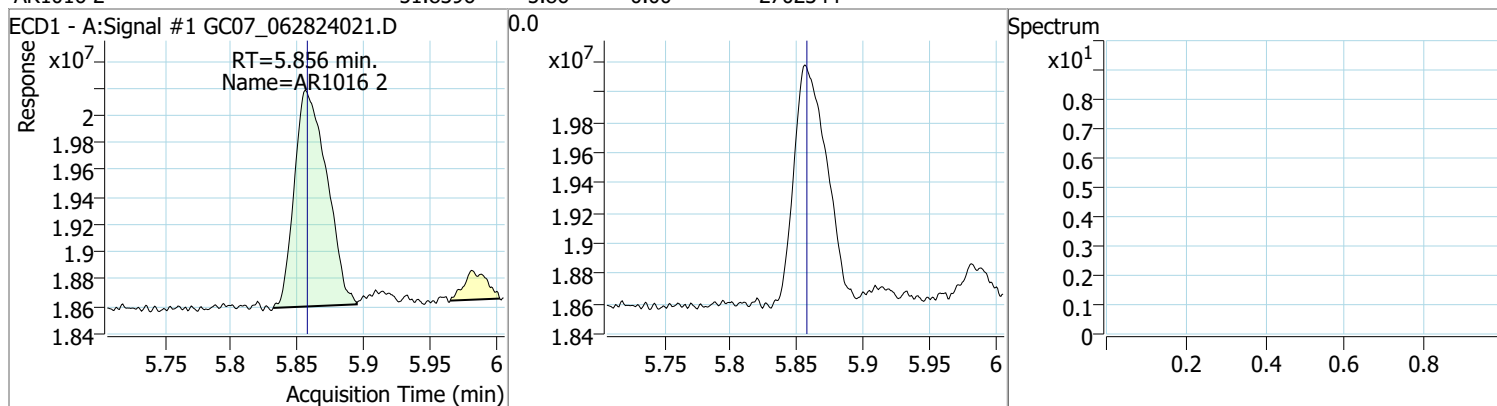
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.4616	5.46	0.00	1720703				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.4516	5.51	0.00	1316180				

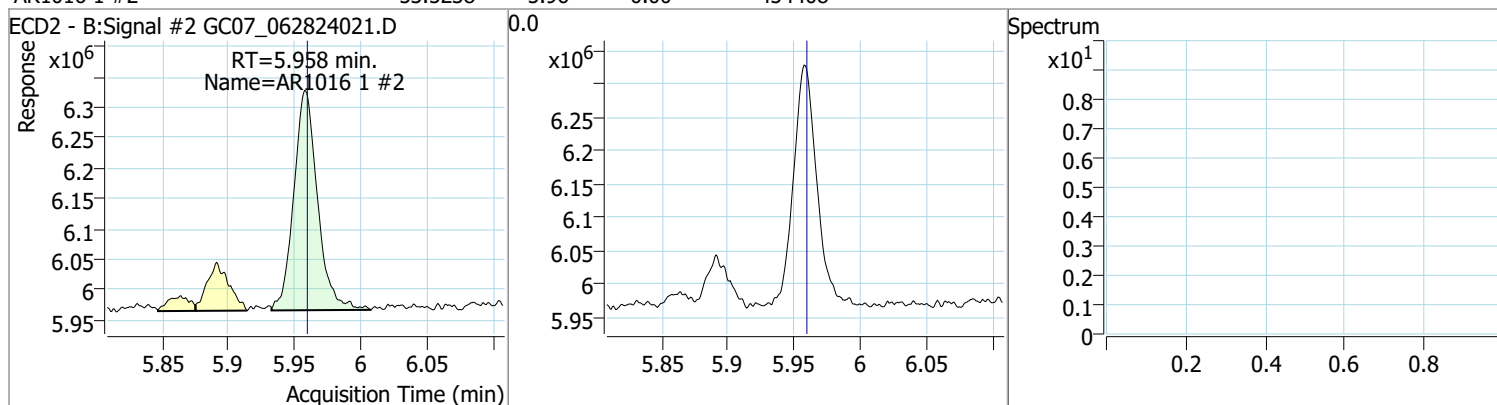


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	51.8396	5.86	0.00	2702344				

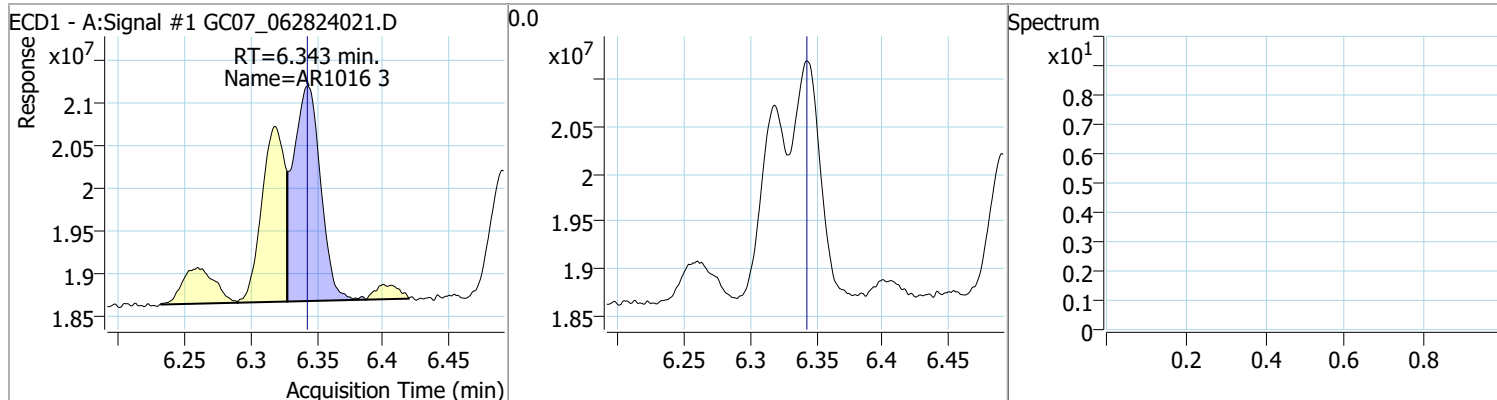


Quantitation Results Report (Not Reviewed)

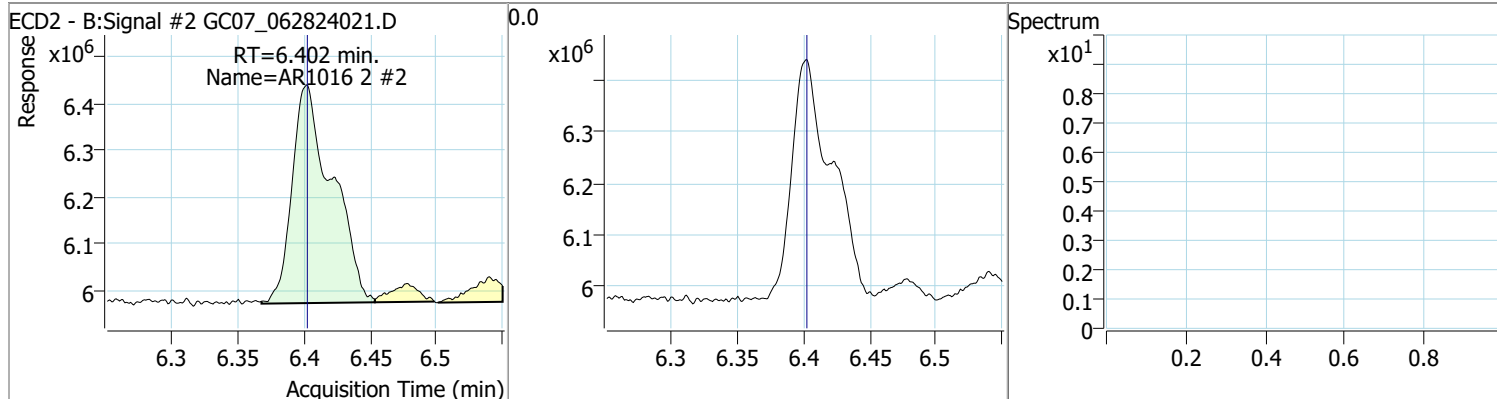
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.5238	5.96	0.00	454408				



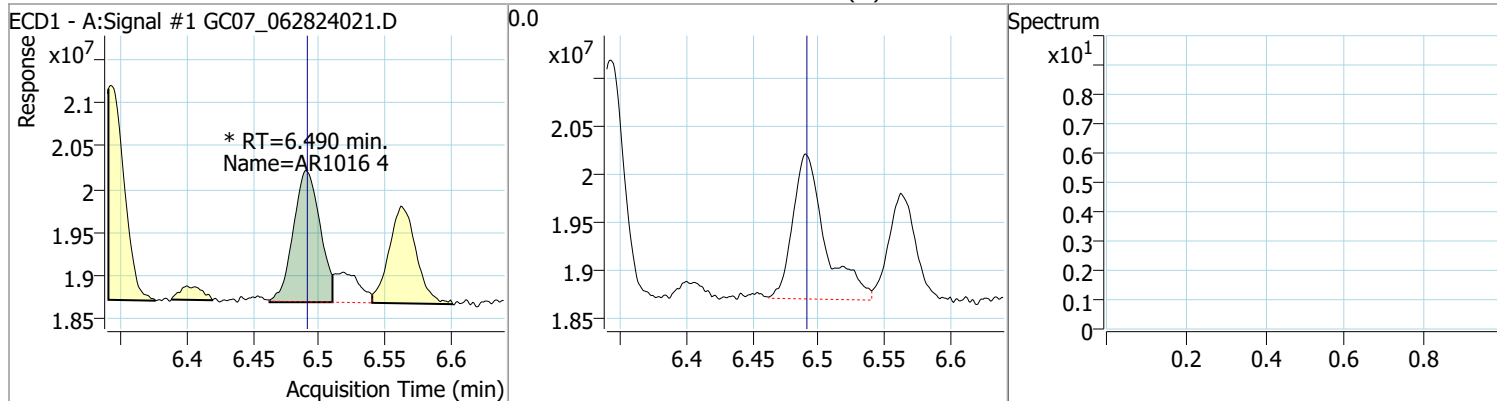
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.9376	6.34	0.00	3592956				



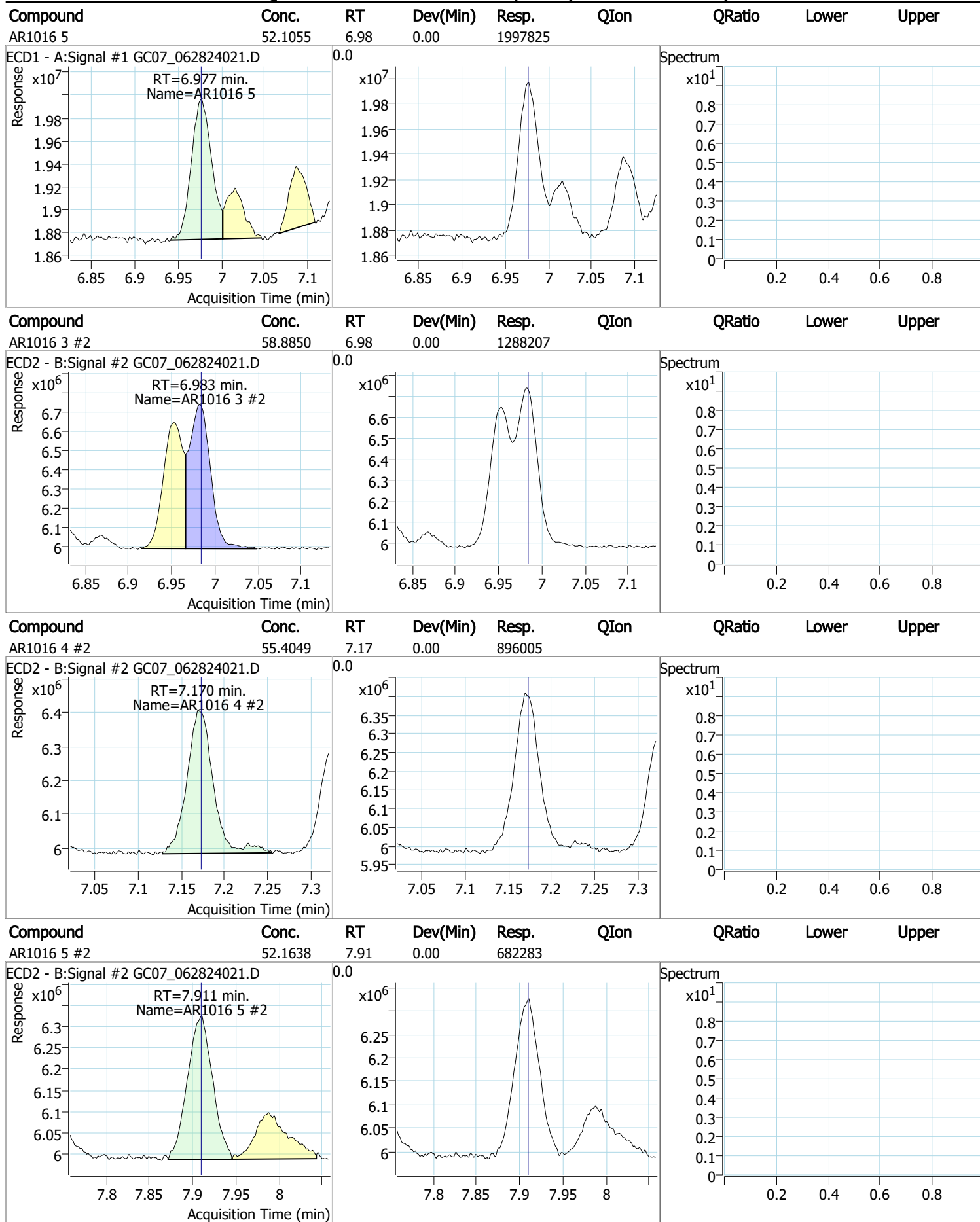
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.5021	6.40	0.00	991080				



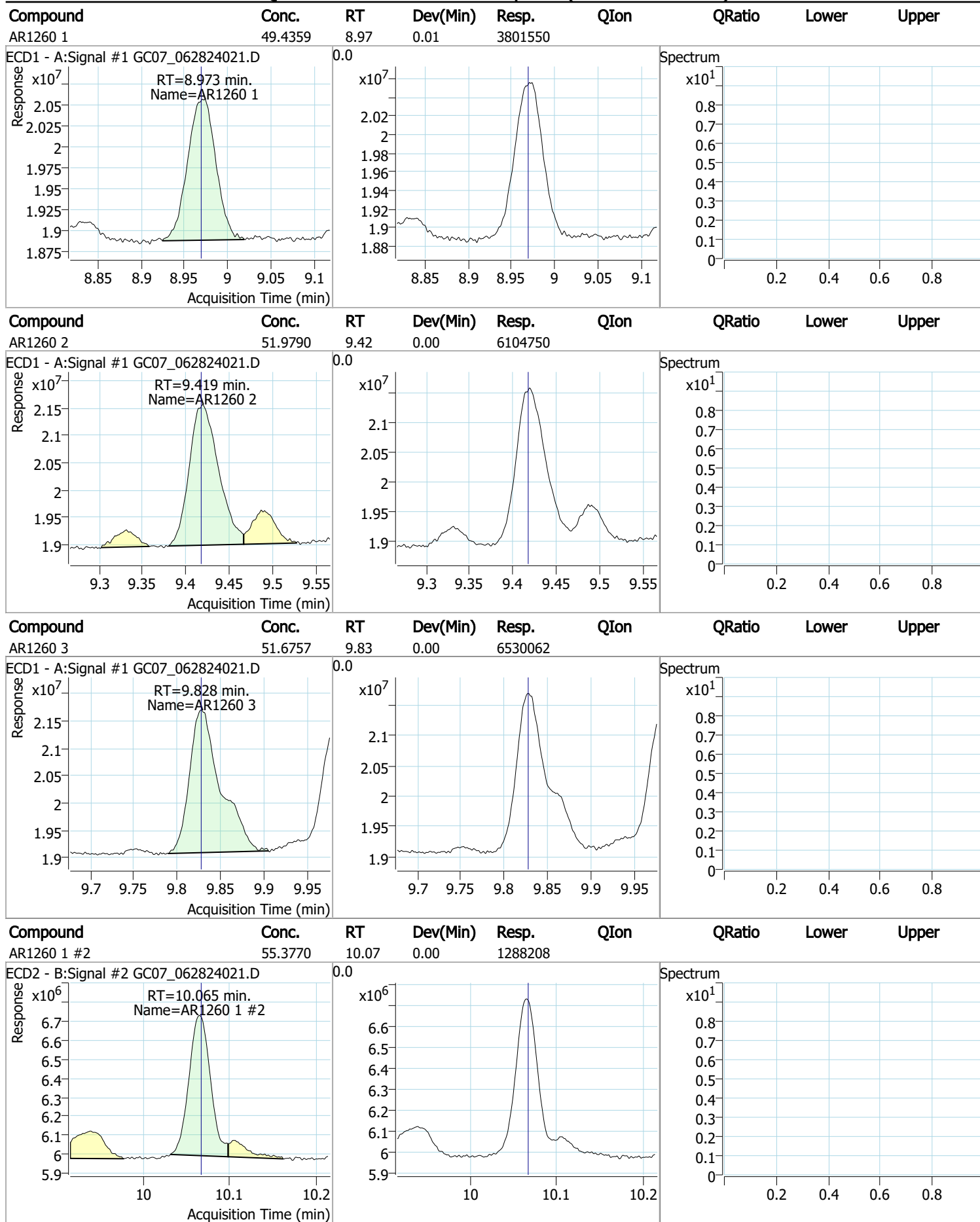
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	48.9852	6.49	0.00	2136718 (m)				



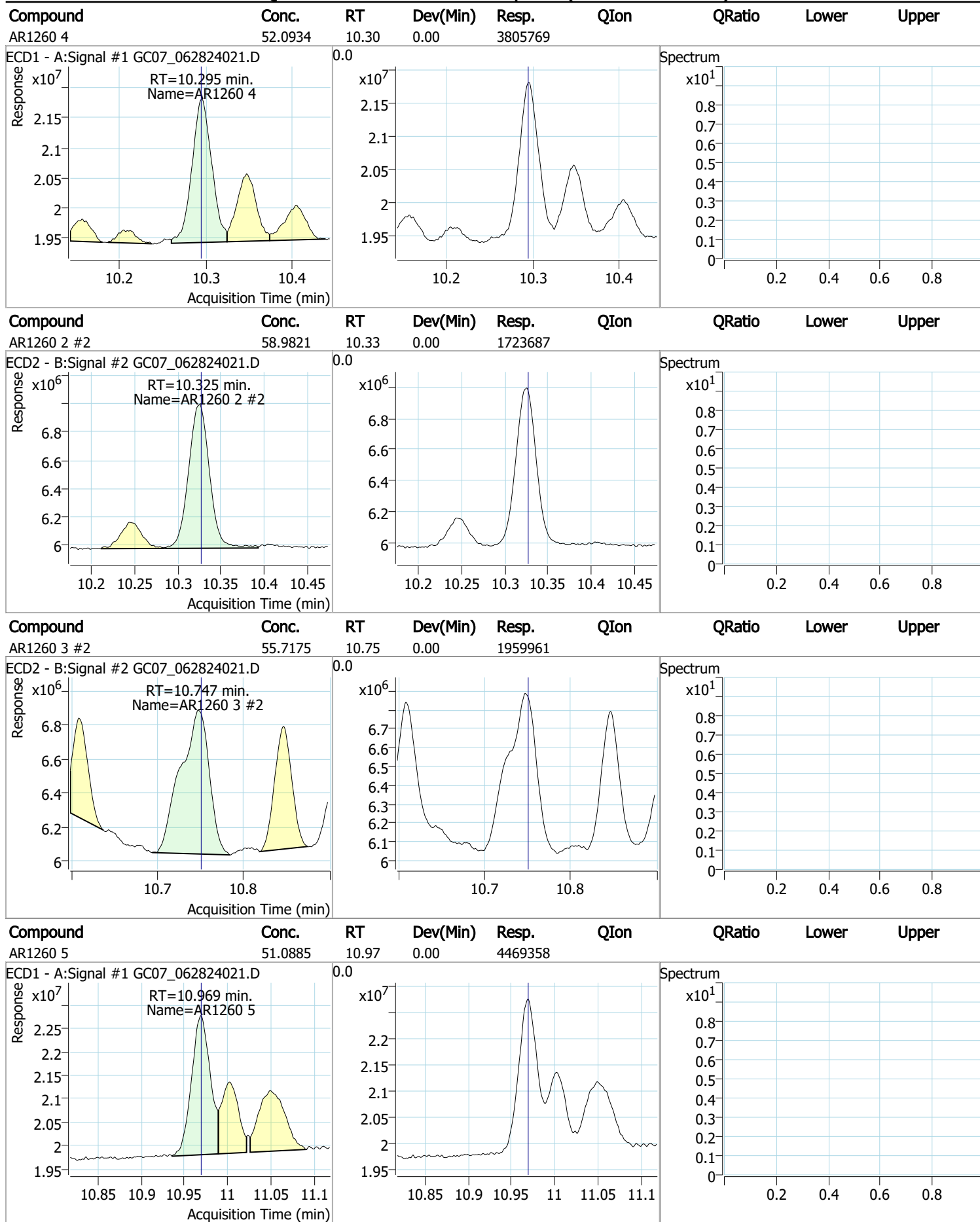
Quantitation Results Report (Not Reviewed)



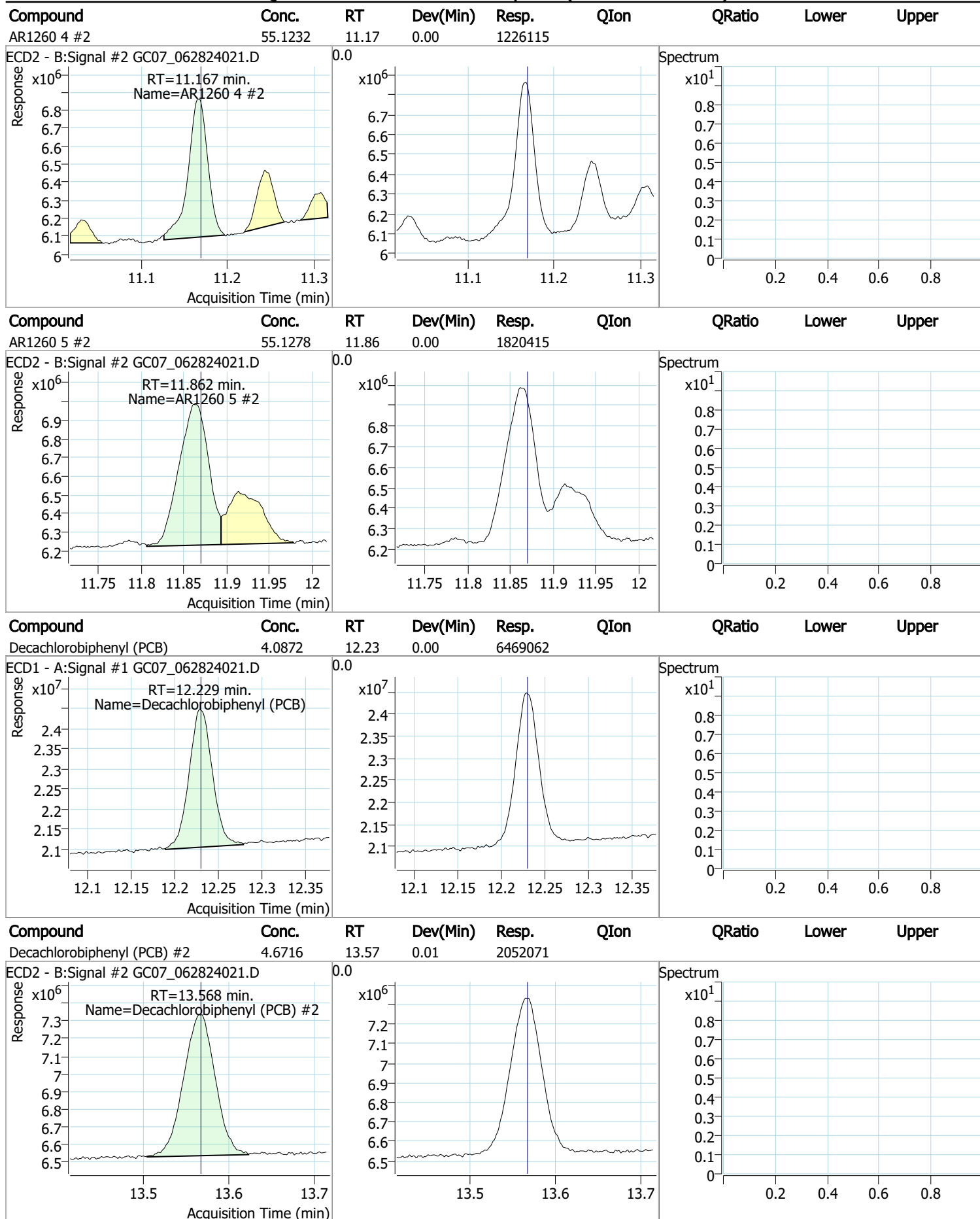
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

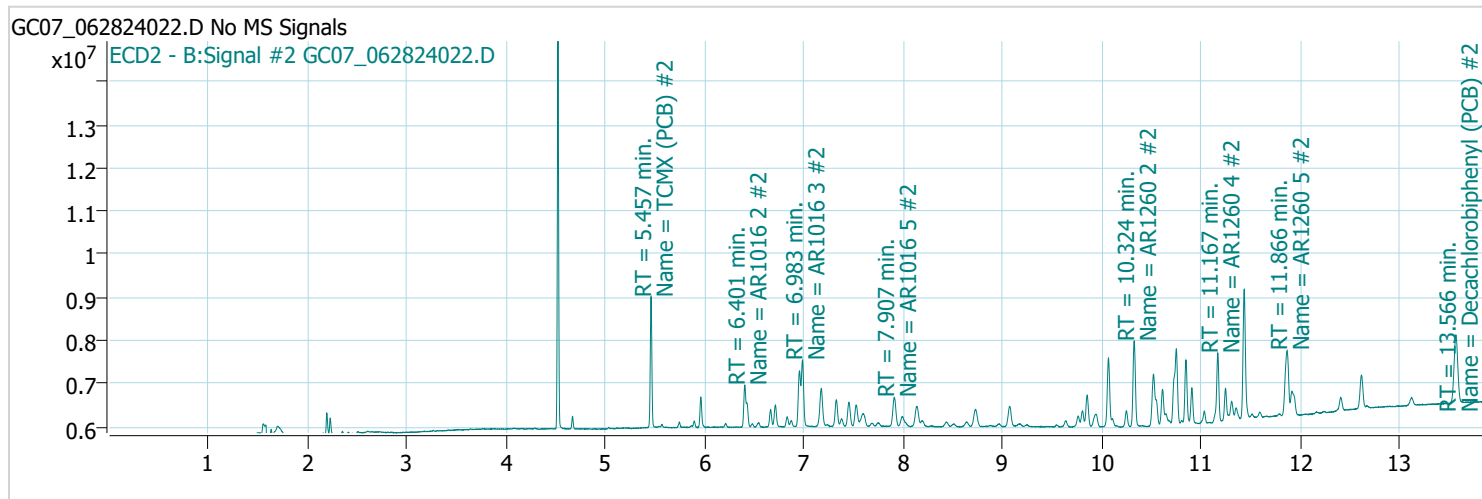
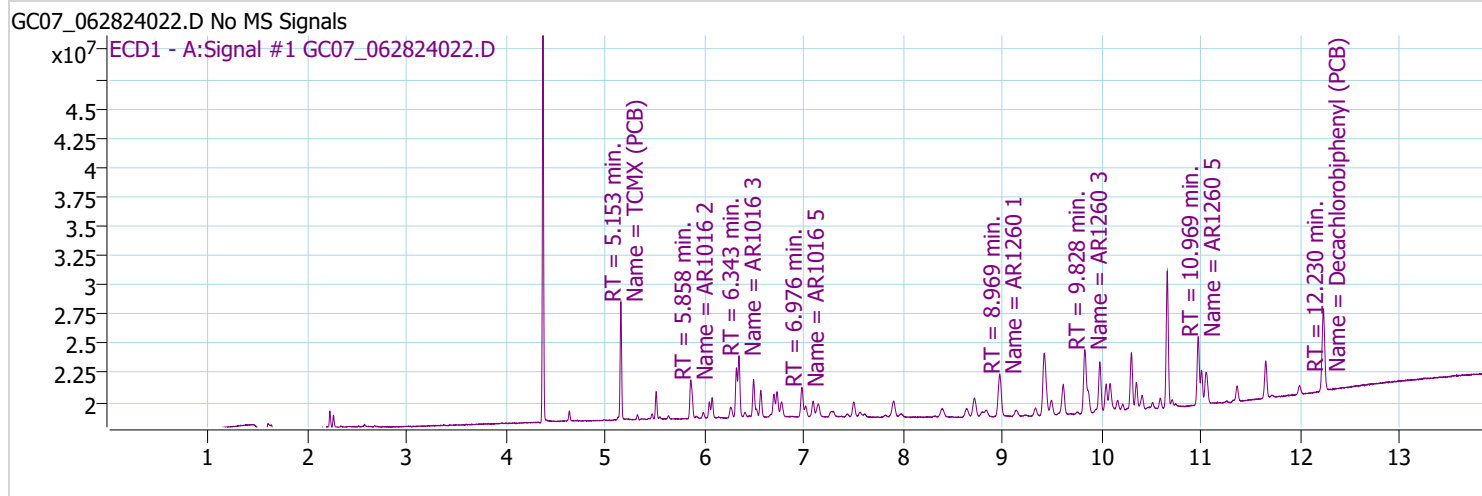


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:38:40 PM
Sample Name	ICAL, S20885	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	29826184.198	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8273172.510	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	10715126.470	7.6691	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.35%	*	
S TCMX (PCB) #2	5.457	0.0	3412297.177	8.5990	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.00%	*	
S Decachlorobiphenyl (PCB)	12.230	0.0	13361376.402	8.1252	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.63%	*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	4177022.833	9.2419	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 46.21%	*	

Target Compounds

GC07_062824022.D

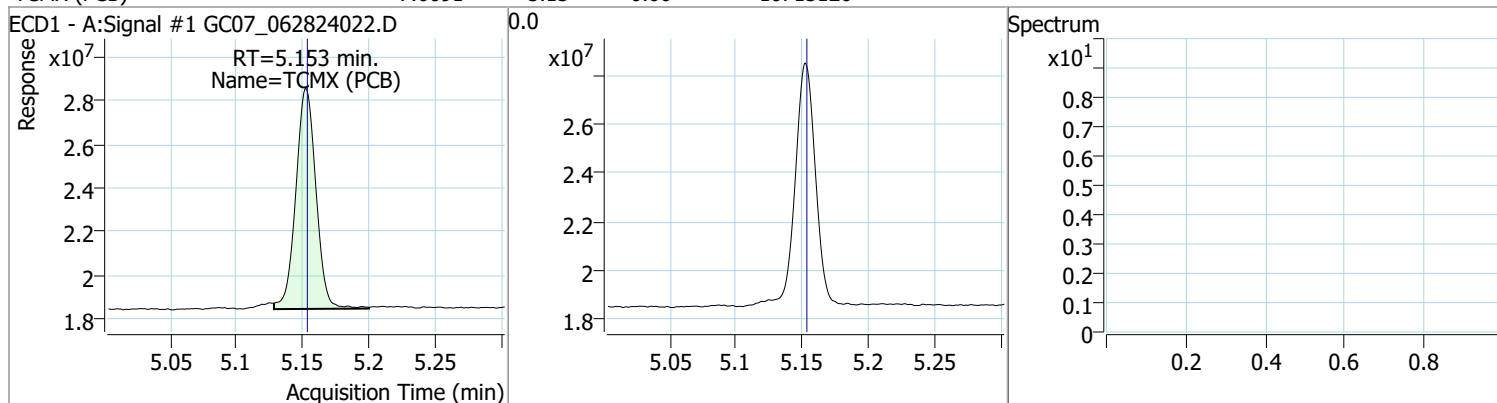
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	2657212.37 5	101.9225	ng/ml	100
T AR1016 2	5.858	0.0	5739080.00 3	105.9651	ng/ml	100
T AR1016 1 #2	5.958	0.0	929578.135	106.4167	ng/ml	100
T AR1016 3	6.343	0.0	7358025.99 2	108.2876	ng/ml	100
T AR1016 2 #2	6.401	0.0	2044379.54 9	113.2769	ng/ml	100
T AR1016 4	6.490	0.0	4469166.05 7	98.6152	ng/ml	100
T AR1016 5	6.976	0.0	4190423.64 2	105.1922	ng/ml	100
T AR1016 3 #2	6.983	0.0	2555167.74 6	113.5174	ng/ml	100
T AR1016 4 #2	7.173	0.0	1786552.41 4	107.3685	ng/ml	100
T AR1016 5 #2	7.907	0.0	1431090.87 2	106.3398	ng/ml	100
T AR1260 1	8.969	0.0	8092605.98 6	101.2907	ng/ml	100
T AR1260 2	9.419	0.0	12517533.3 48	102.5838	ng/ml	100
T AR1260 3	9.828	0.0	13459933.2 00	102.5207	ng/ml m	100
T AR1260 1 #2	10.065	0.0	2794544.52 9	116.7556	ng/ml	100
T AR1260 4	10.297	0.0	7856018.38 0	103.5005	ng/ml	100
T AR1260 2 #2	10.324	0.0	3418547.71 2	113.6912	ng/ml	100
T AR1260 3 #2	10.749	0.0	4013258.36 0	110.8829	ng/ml	100
T AR1260 5	10.969	0.0	9133510.15 3	100.4884	ng/ml	100
T AR1260 4 #2	11.167	0.0	2572032.14 7	112.3837	ng/ml	100
T AR1260 5 #2	11.866	0.0	3668290.26 1	107.9662	ng/ml	100

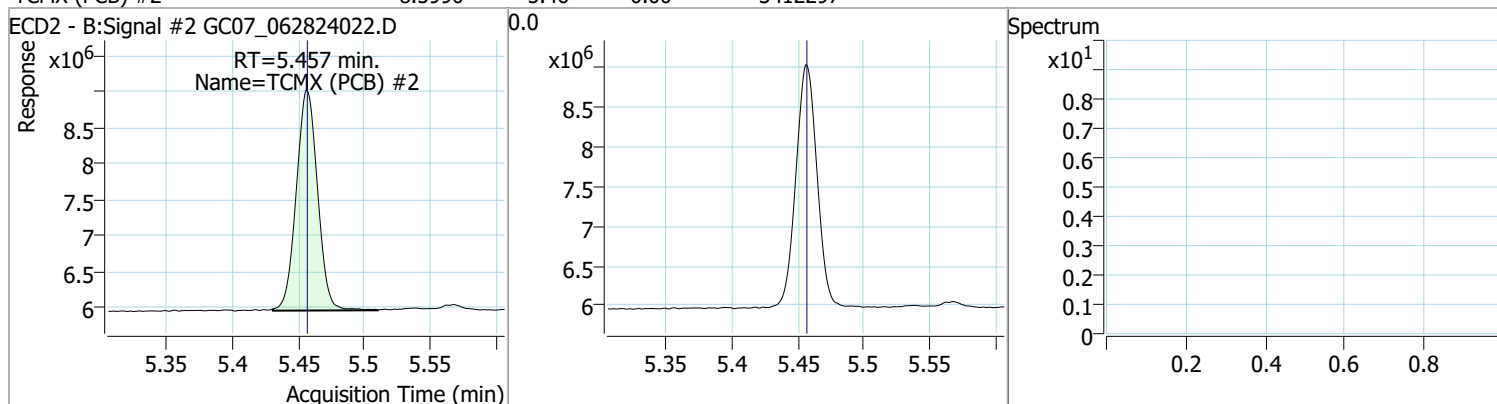
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

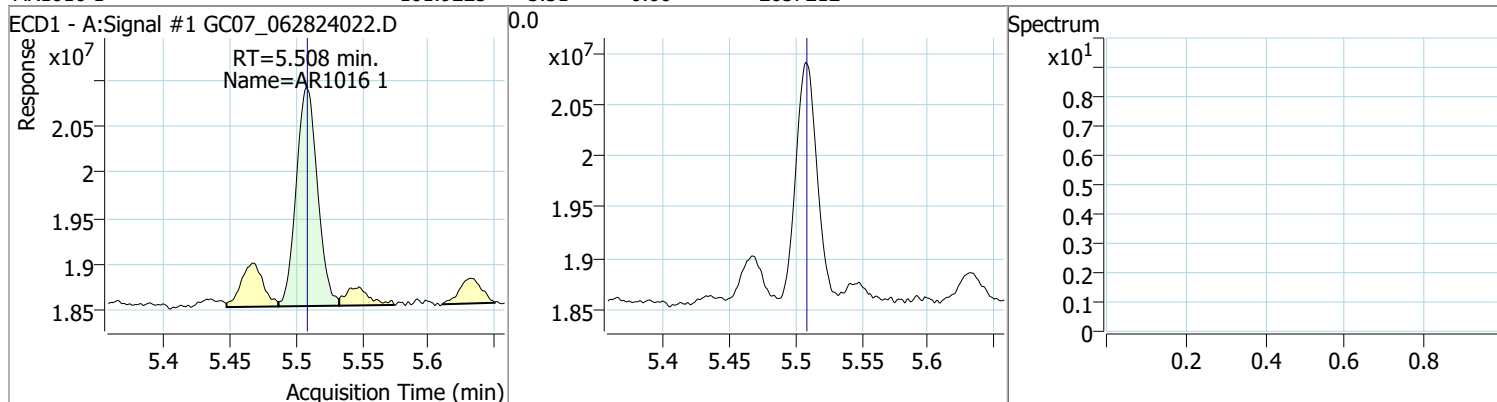
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.6691	5.15	0.00	10715126				



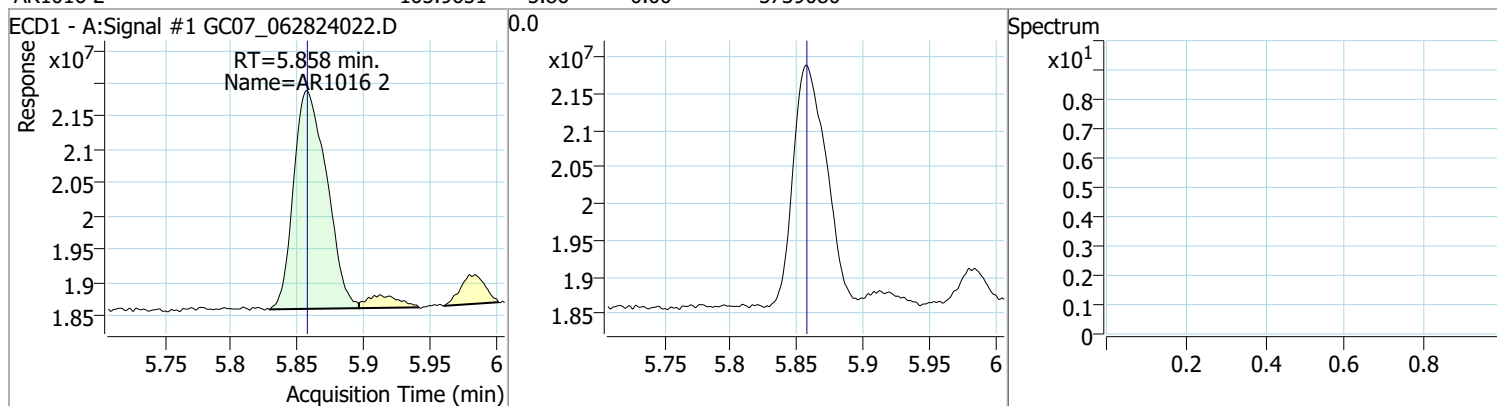
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.5990	5.46	0.00	3412297				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	101.9225	5.51	0.00	2657212				

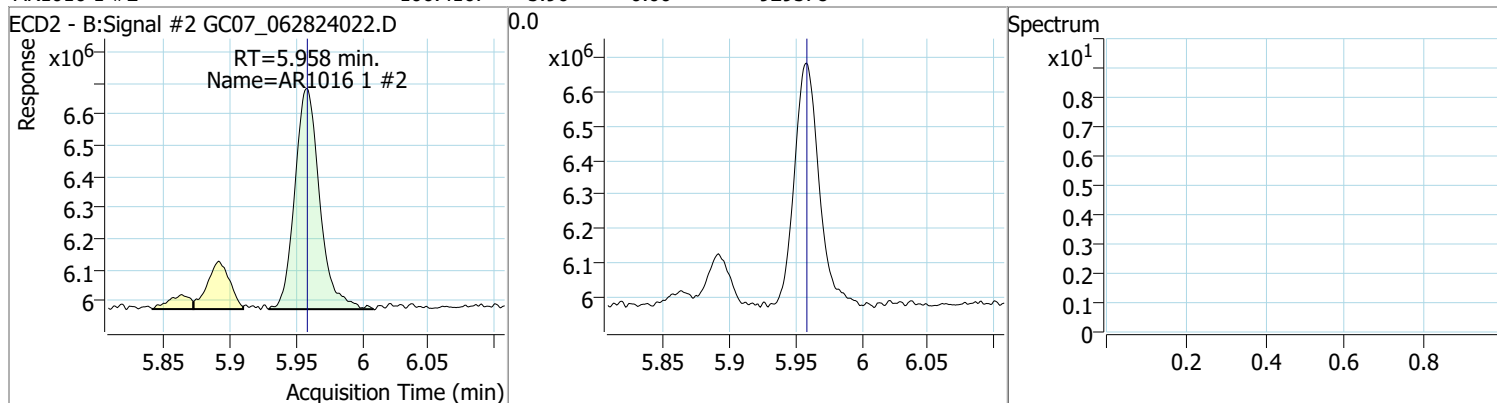


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	105.9651	5.86	0.00	5739080				

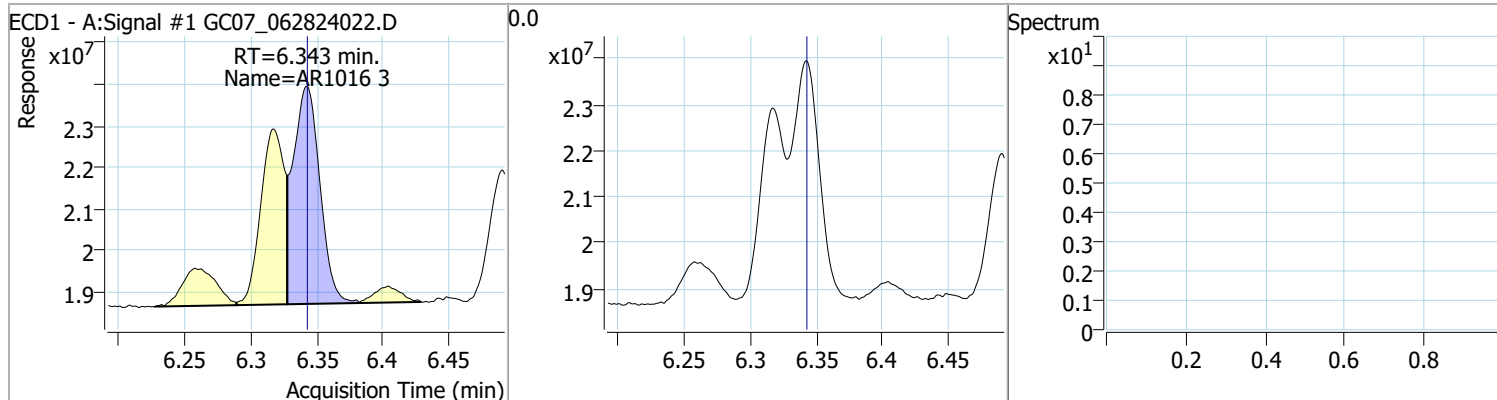


Quantitation Results Report (Not Reviewed)

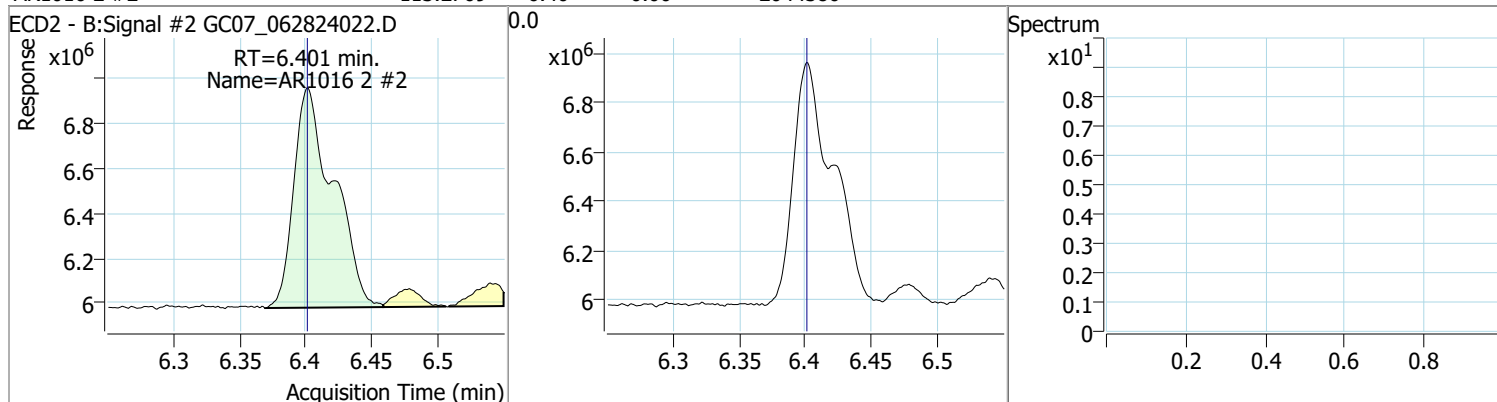
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	106.4167	5.96	0.00	929578				



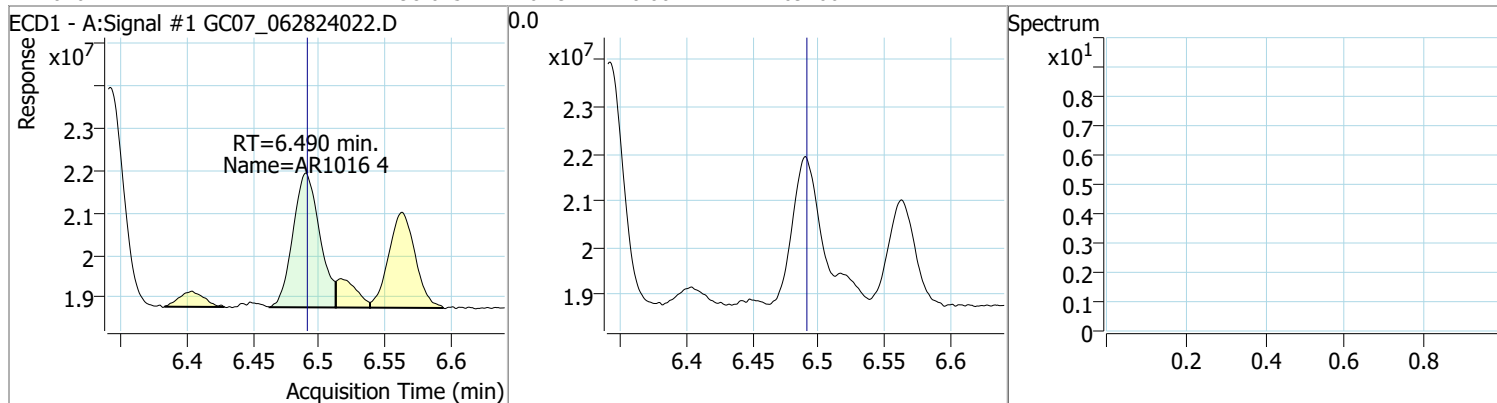
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.2876	6.34	0.00	7358026				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	113.2769	6.40	0.00	2044380				

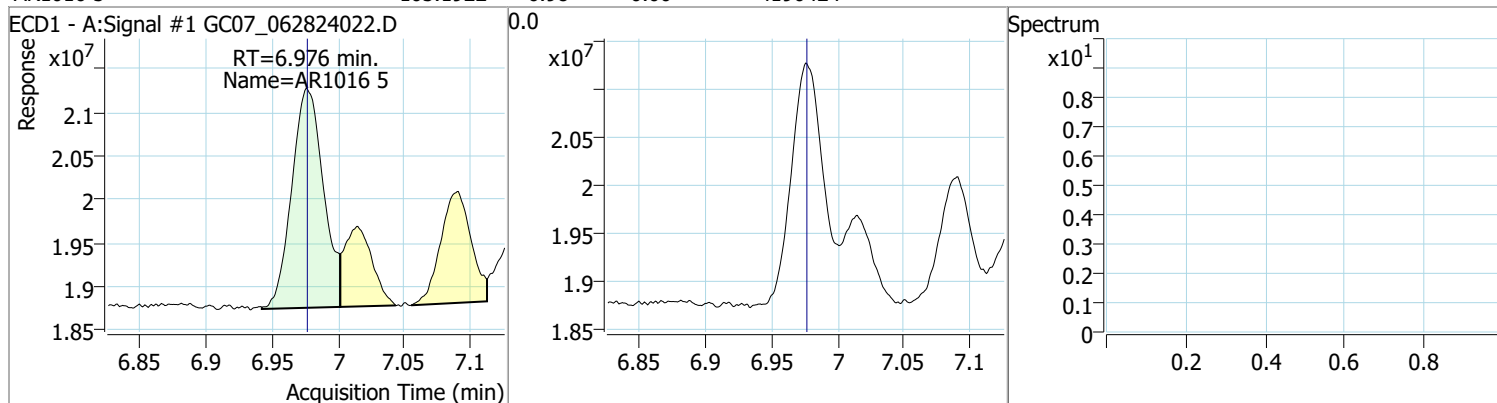


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	98.6152	6.49	0.00	4469166				

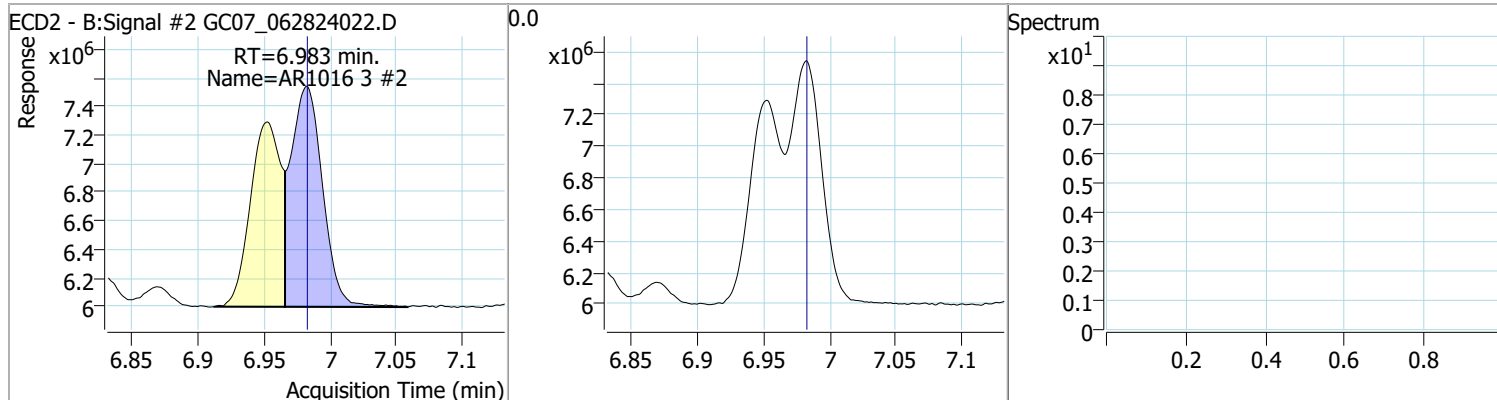


Quantitation Results Report (Not Reviewed)

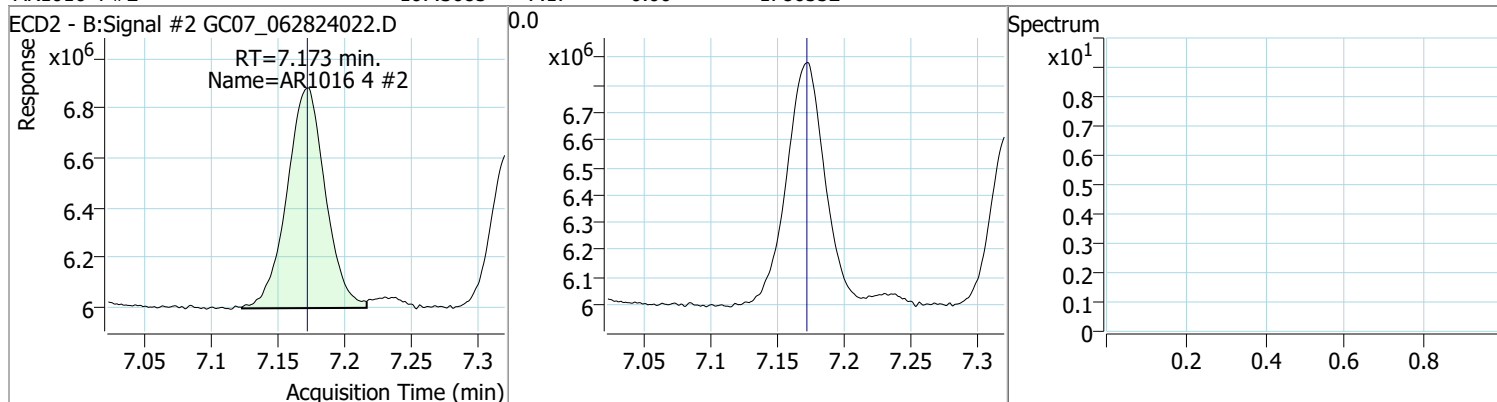
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	105.1922	6.98	0.00	4190424				



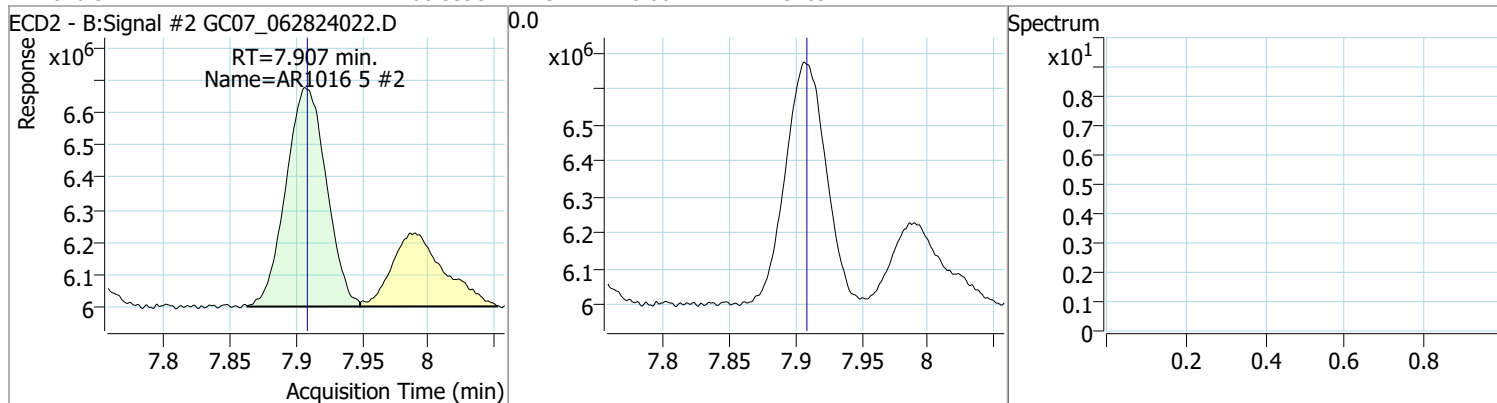
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	113.5174	6.98	0.00	2555168				



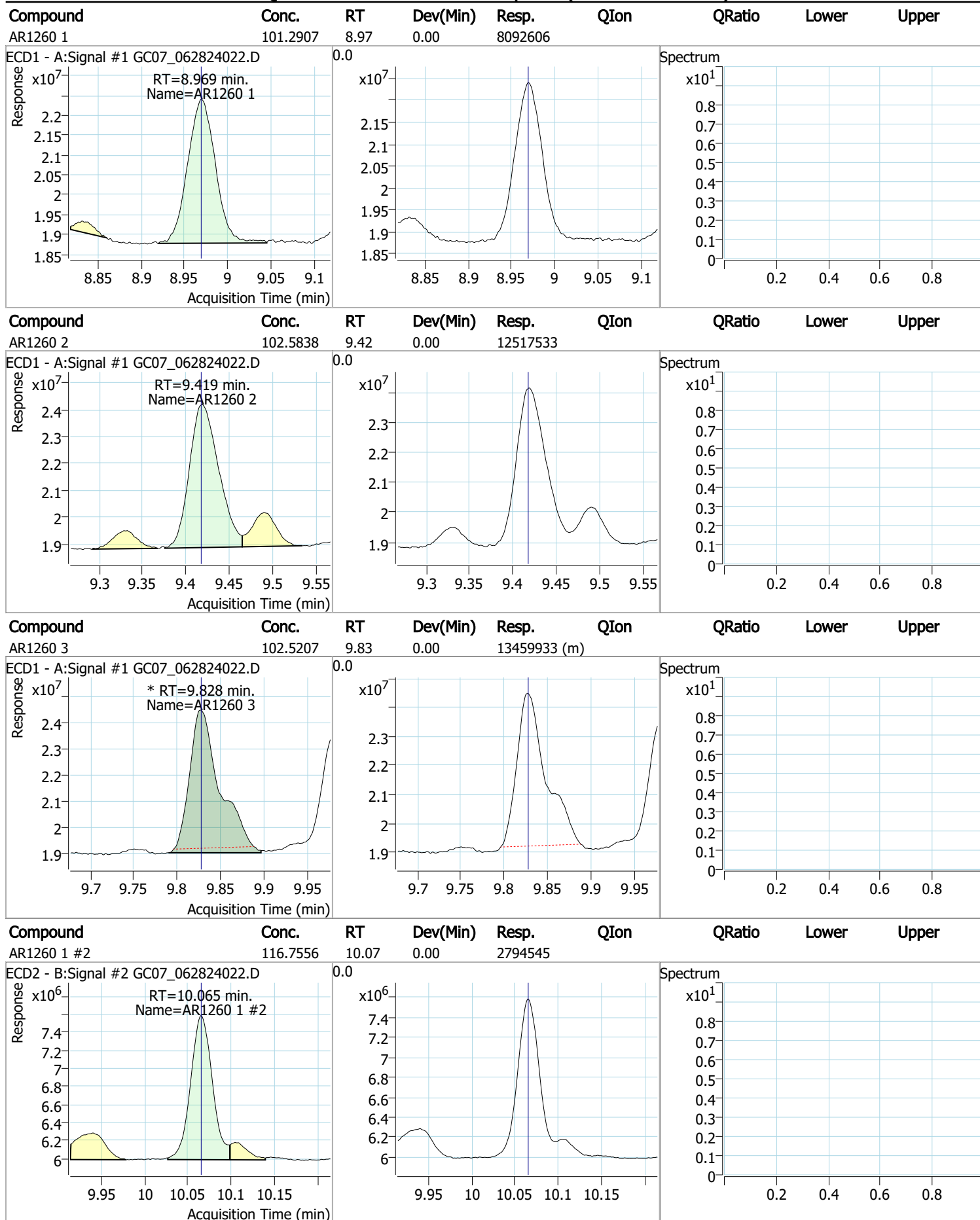
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	107.3685	7.17	0.00	1786552				



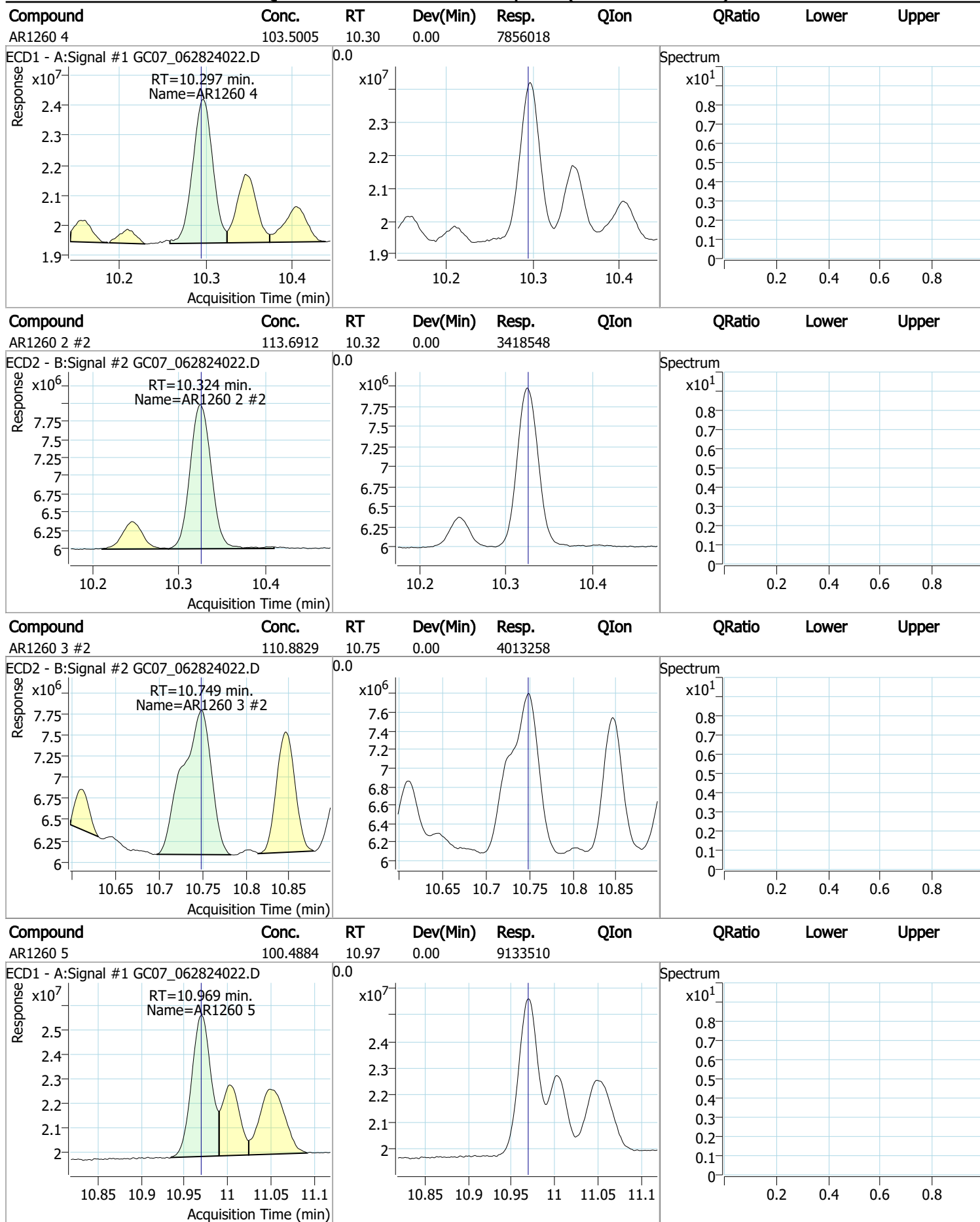
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	106.3398	7.91	0.00	1431091				



Quantitation Results Report (Not Reviewed)

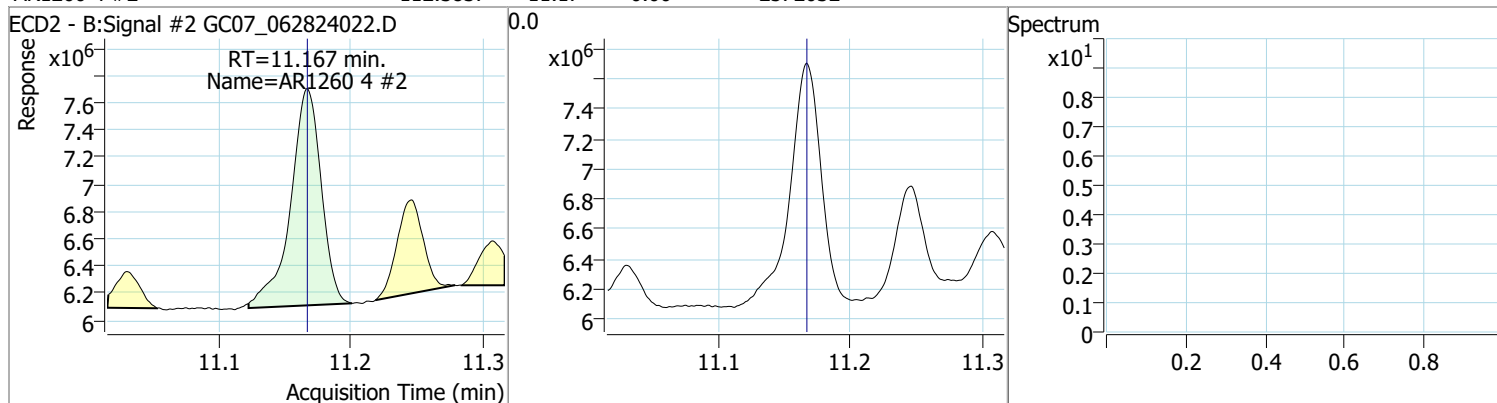


Quantitation Results Report (Not Reviewed)

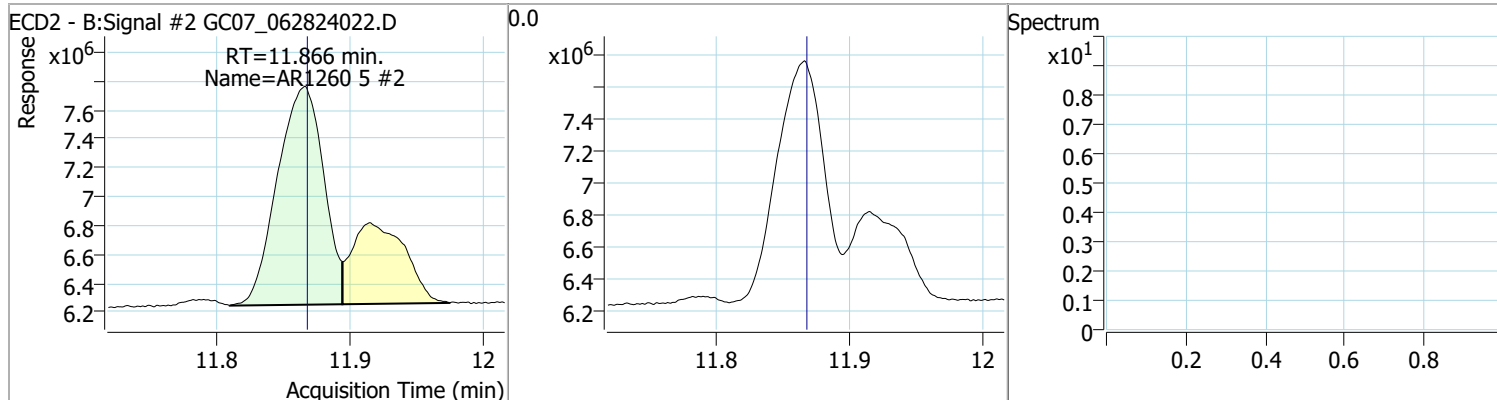


Quantitation Results Report (Not Reviewed)

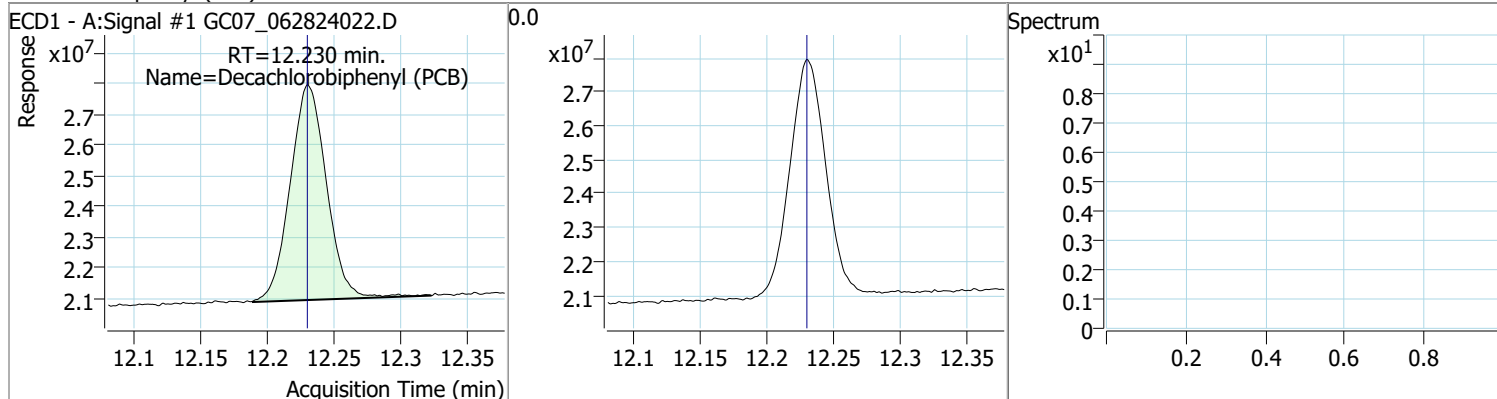
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	112.3837	11.17	0.00	2572032				



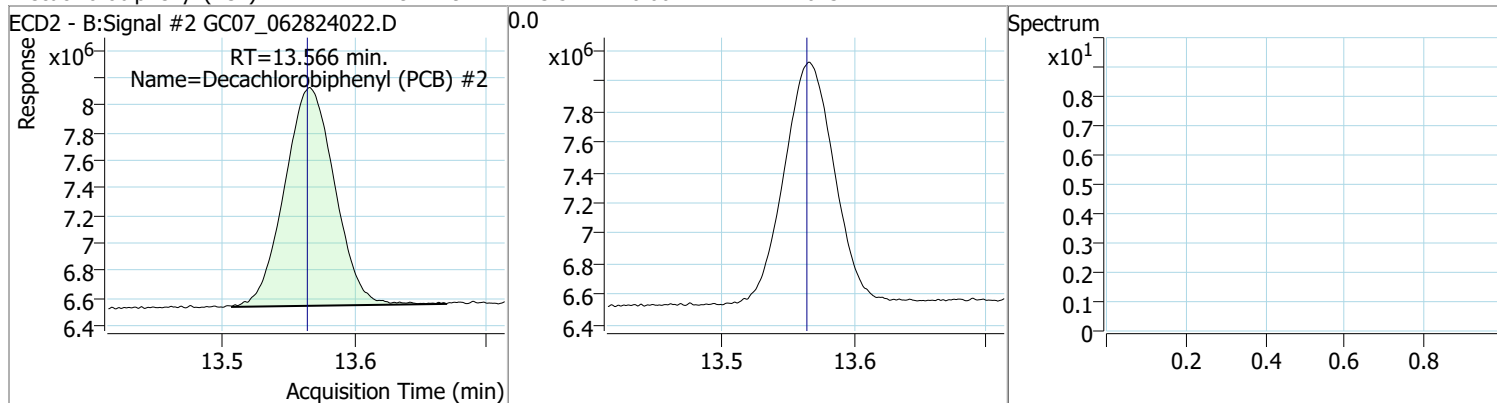
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	107.9662	11.87	0.00	3668290				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.1252	12.23	0.00	13361376				



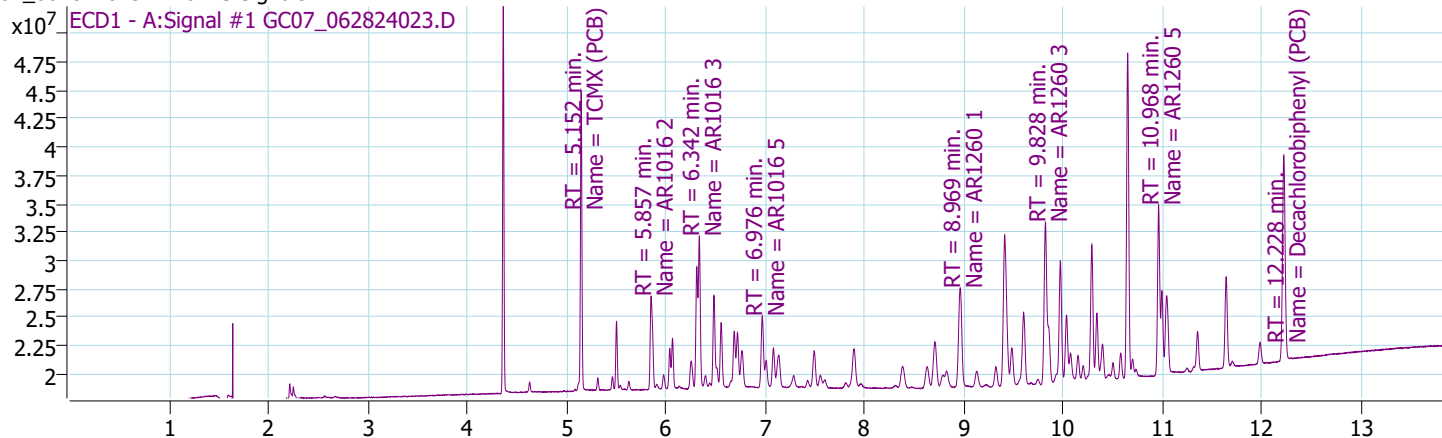
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.2419	13.57	0.00	4177023				



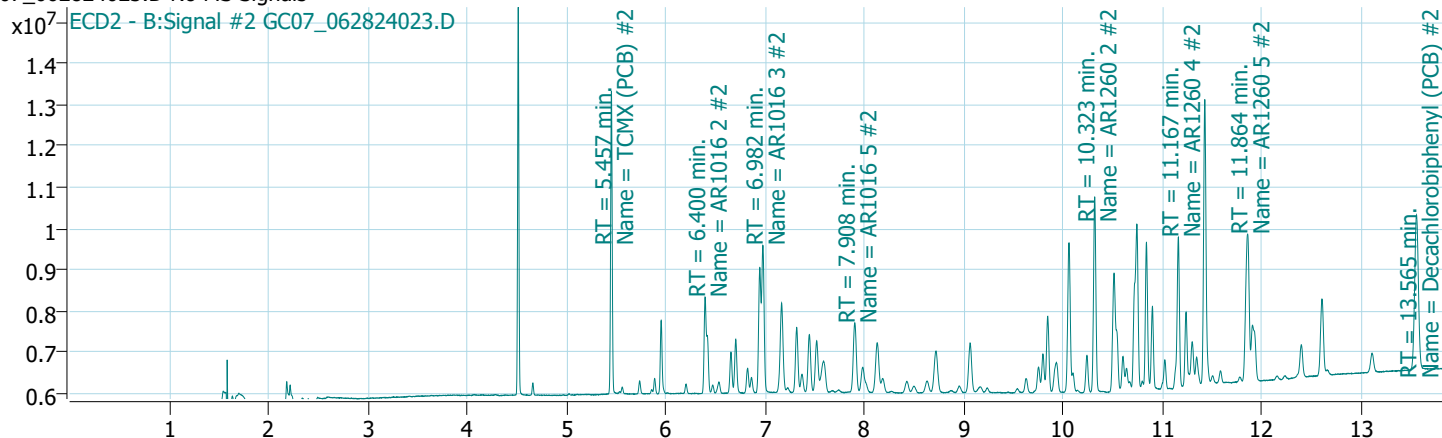
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:56:00 PM
Sample Name	ICAL, S20886	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824023.D No MS Signals



GC07_062824023.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31516744.9 49	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8706647.68 3	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.152	0.0	27608953.9 25	18.7004	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.50%		
S TCMX (PCB) #2	5.457	0.0	8294986.50 8	19.8628	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 99.31%		
S Decachlorobiphenyl (PCB)	12.228	0.0	33725109.8 00	19.4084	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.04%		
S Decachlorobiphenyl (PCB) #2	13.565	0.0	9967762.79 8	20.9563	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.78%		

Target Compounds

QValue

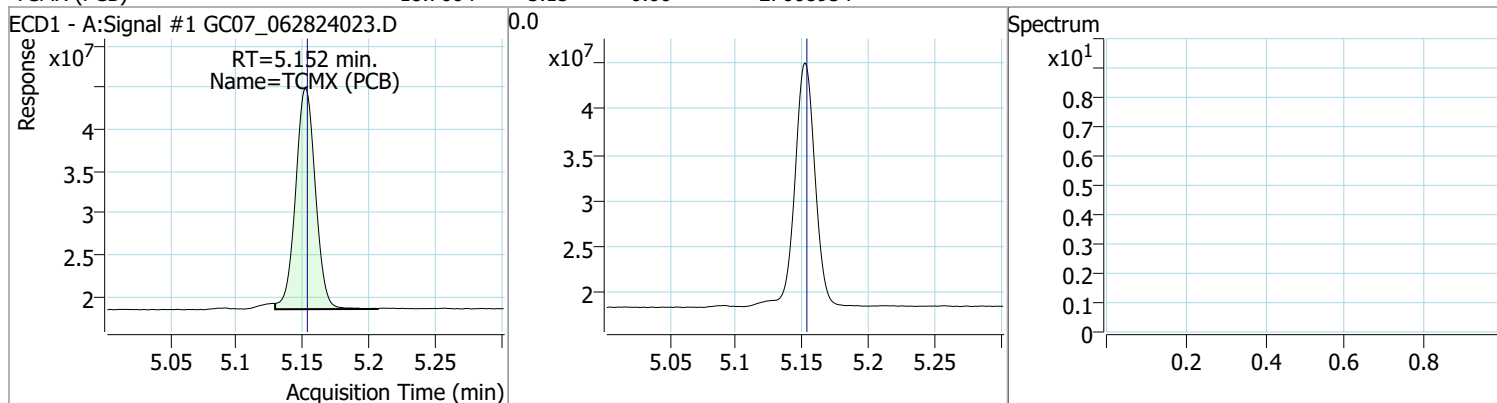
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	6712192.61 0	243.6488	ng/ml	100
T AR1016 2	5.857	0.0	14250498.4 09	249.0043	ng/ml	100
T AR1016 1 #2	5.958	0.0	2323840.60 4	252.7851	ng/ml	100
T AR1016 3	6.342	0.0	17918366.8 50	249.5585	ng/ml	100
T AR1016 2 #2	6.400	0.0	5008145.47 9	263.6804	ng/ml	100
T AR1016 4	6.489	0.0	11491489.6 65	239.9662	ng/ml m	100
T AR1016 5	6.976	0.0	10438984.1 81	247.9935	ng/ml	100
T AR1016 3 #2	6.982	0.0	6112061.26 7	258.0191	ng/ml	100
T AR1016 4 #2	7.171	0.0	4463261.98 2	254.8793	ng/ml	100
T AR1016 5 #2	7.908	0.0	3656086.32 0	258.1464	ng/ml	100
T AR1260 1	8.969	0.0	19845618.5 95	235.0727	ng/ml	100
T AR1260 2	9.418	0.0	30959966.1 63	240.1138	ng/ml	100
T AR1260 3	9.828	0.0	33635868.4 00	242.4531	ng/ml m	100
T AR1260 1 #2	10.065	0.0	6539148.10 5	259.6026	ng/ml	100
T AR1260 4	10.295	0.0	19650501.0 43	245.0021	ng/ml	100
T AR1260 2 #2	10.323	0.0	7907548.73 9	249.8895	ng/ml	100
T AR1260 3 #2	10.748	0.0	9518789.50 8	249.9024	ng/ml	100
T AR1260 5	10.968	0.0	22933282.0 20	238.7815	ng/ml	100
T AR1260 4 #2	11.167	0.0	6190347.73 5	257.0178	ng/ml	100
T AR1260 5 #2	11.864	0.0	8834908.38 5	247.0855	ng/ml	100

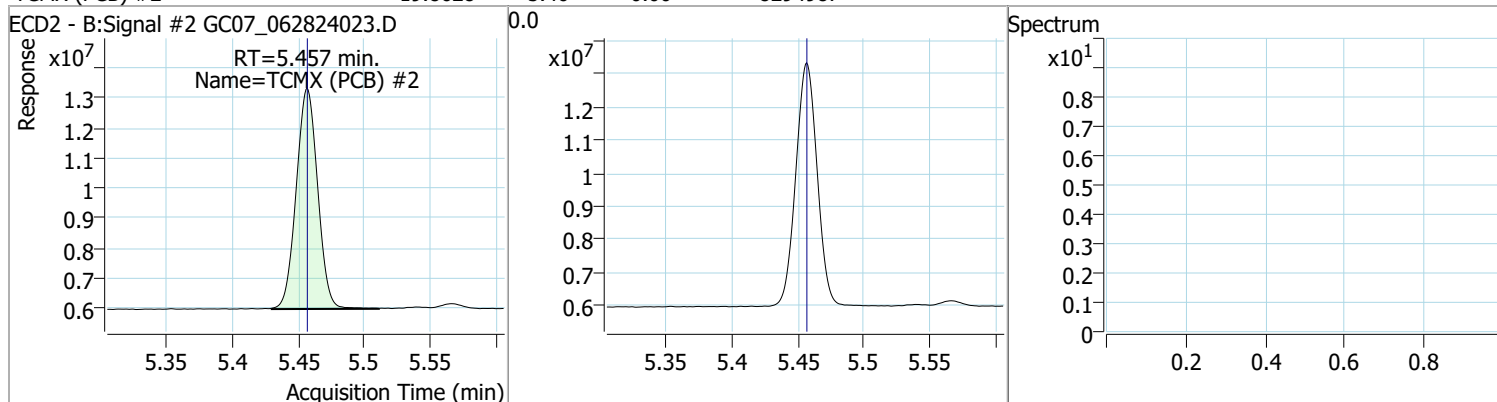
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

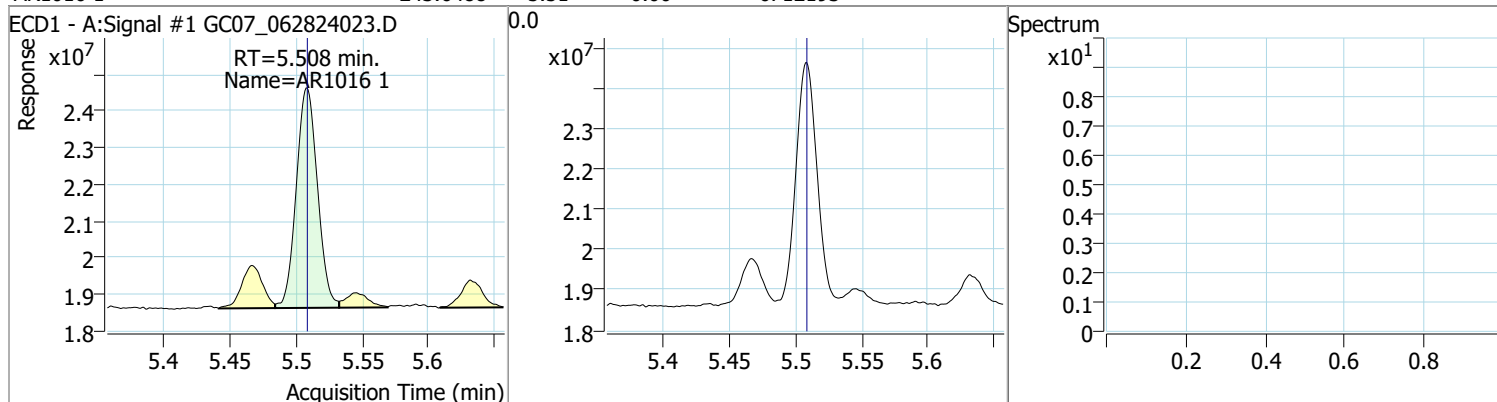
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.7004	5.15	0.00	27608954				



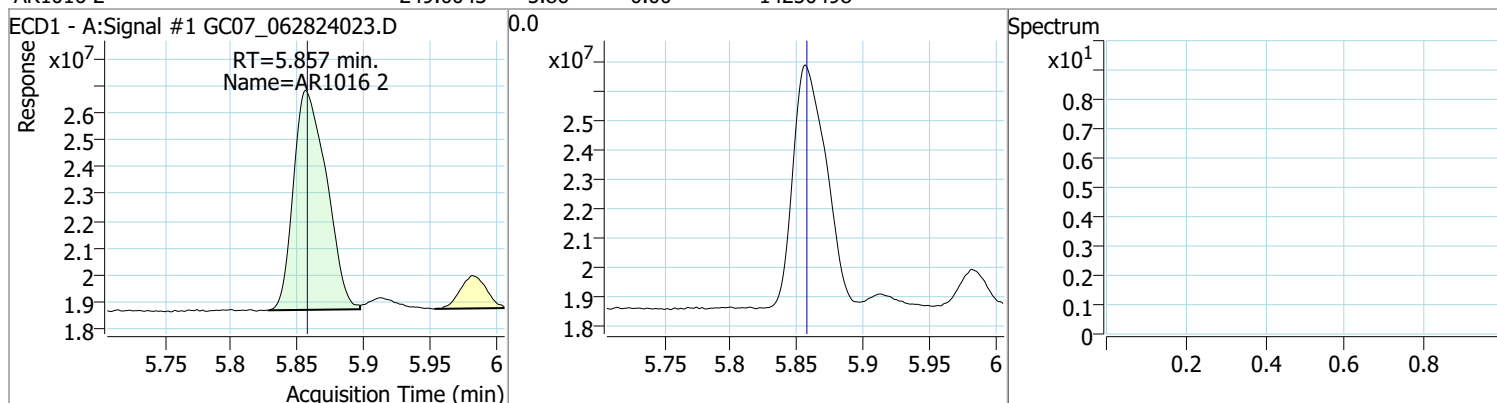
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.8628	5.46	0.00	8294987				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	243.6488	5.51	0.00	6712193				

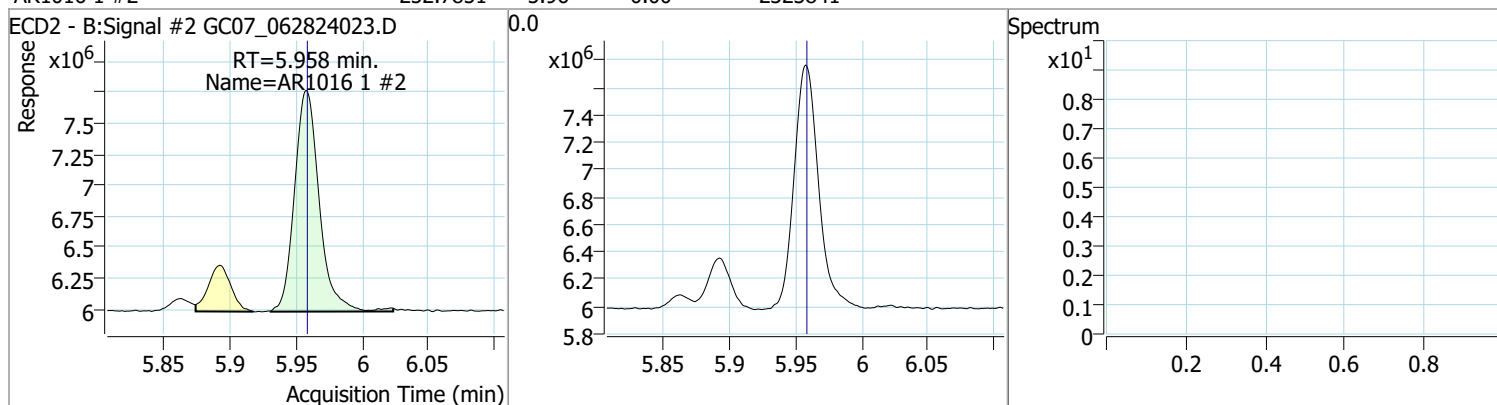


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	249.0043	5.86	0.00	14250498				

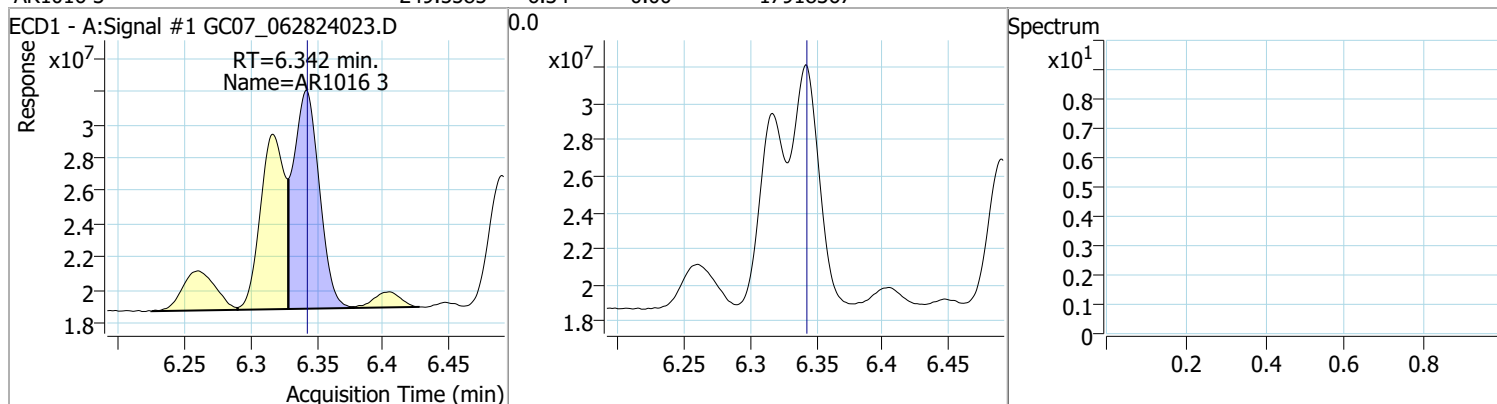


Quantitation Results Report (Not Reviewed)

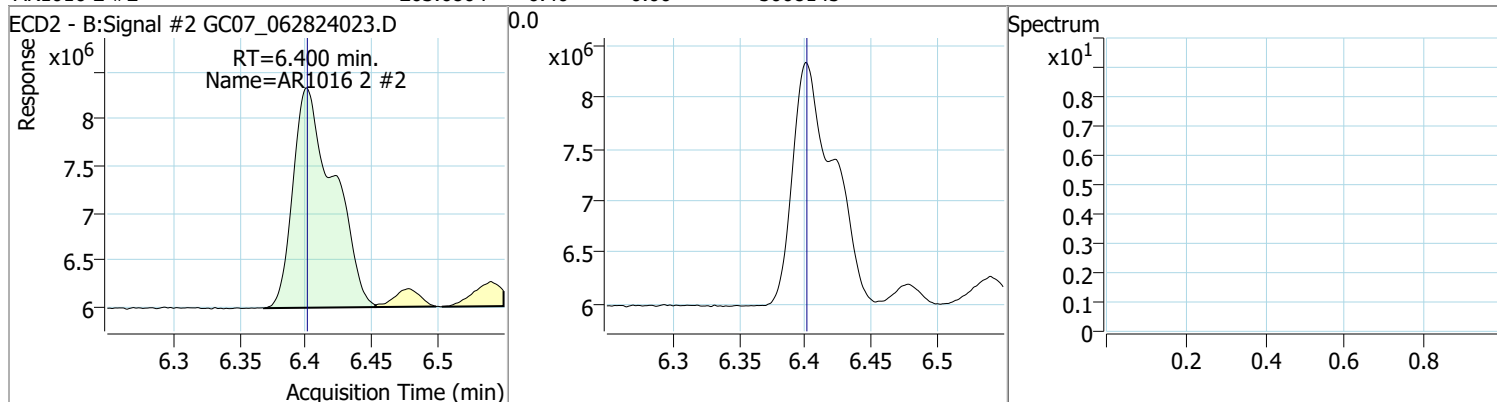
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	252.7851	5.96	0.00	2323841				



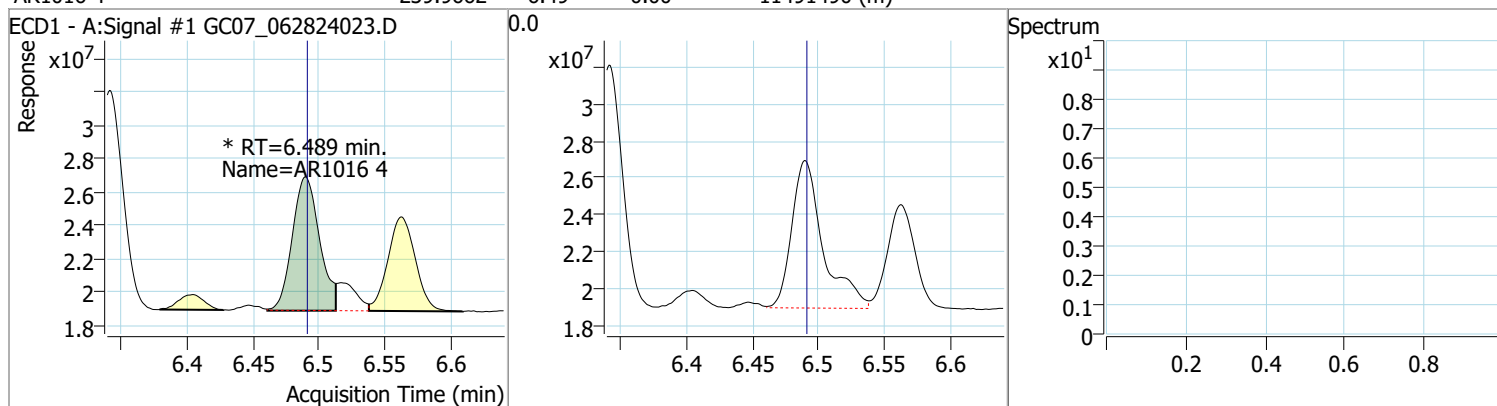
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	249.5585	6.34	0.00	17918367				



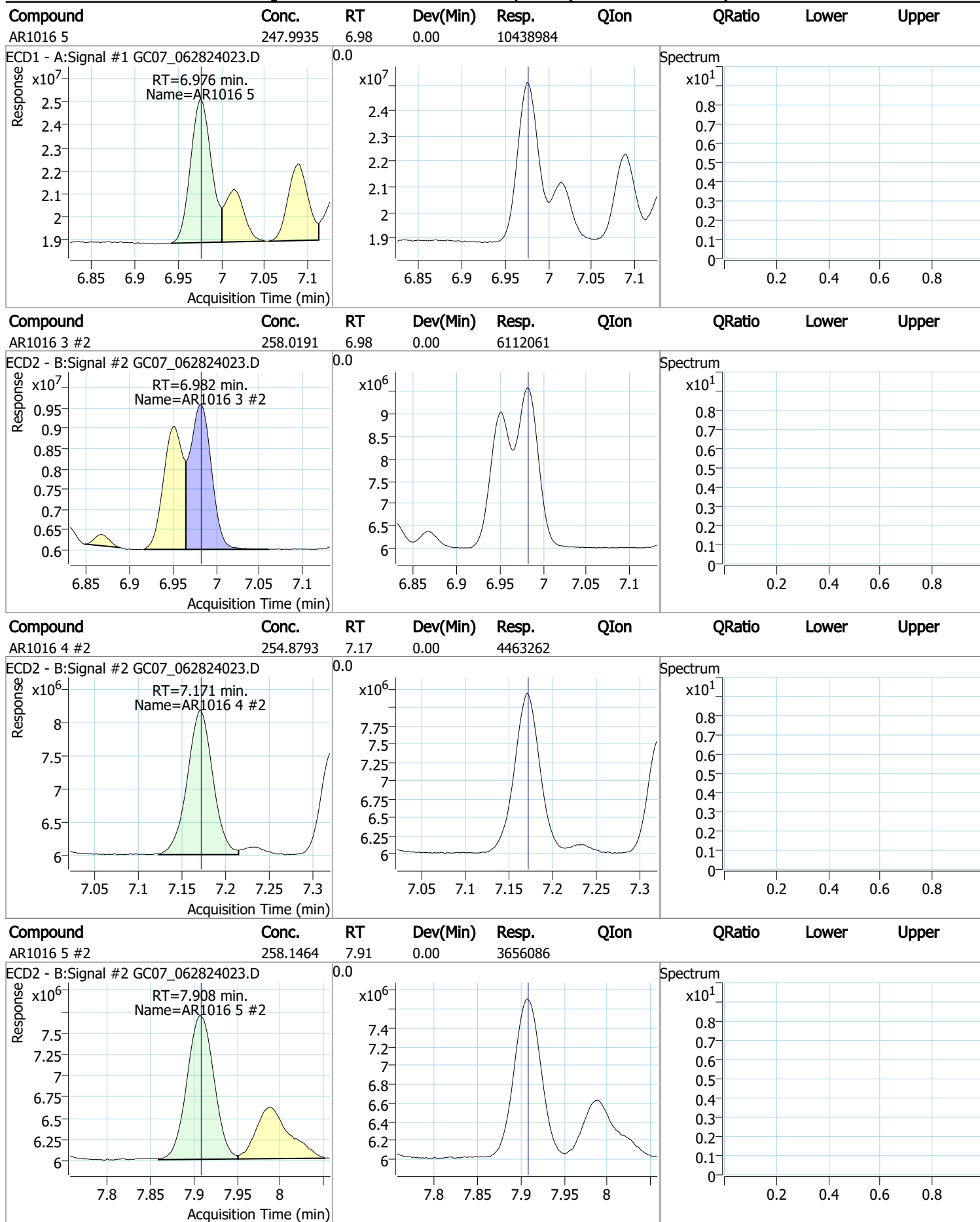
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	263.6804	6.40	0.00	5008145				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	239.9662	6.49	0.00	11491490 (m)				

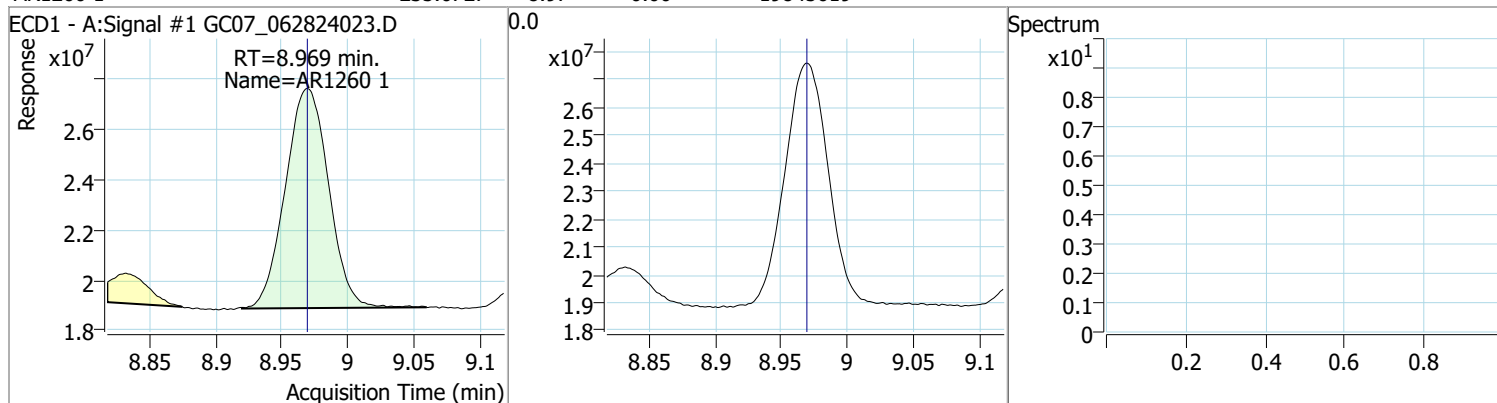


Quantitation Results Report (Not Reviewed)

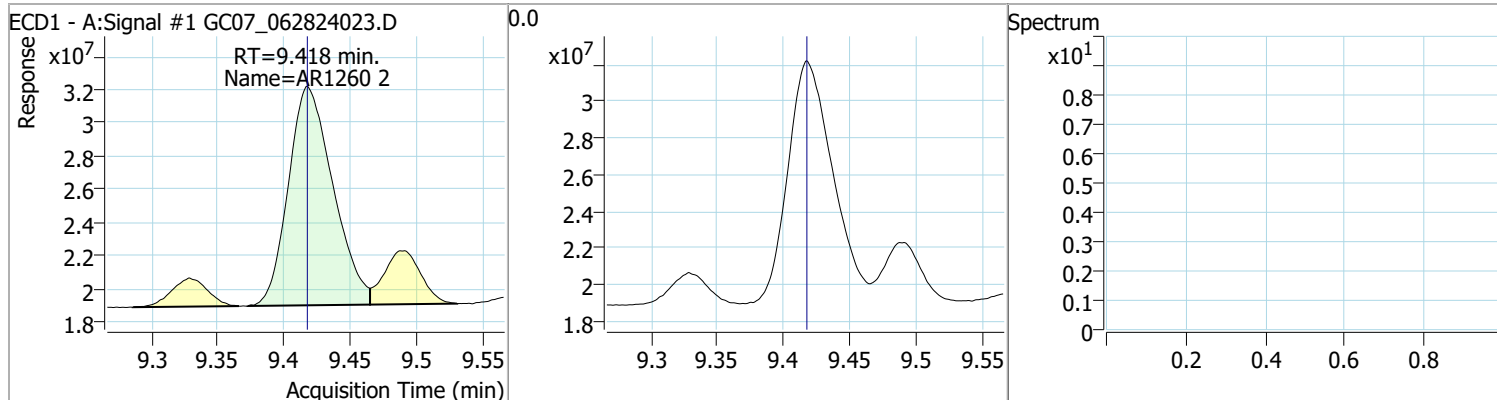


Quantitation Results Report (Not Reviewed)

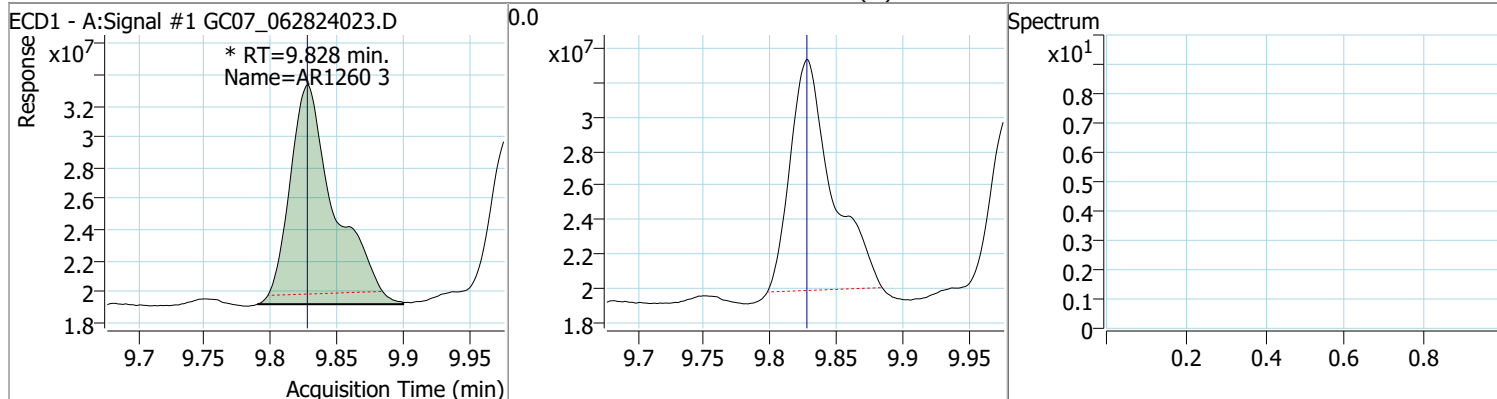
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	235.0727	8.97	0.00	19845619				



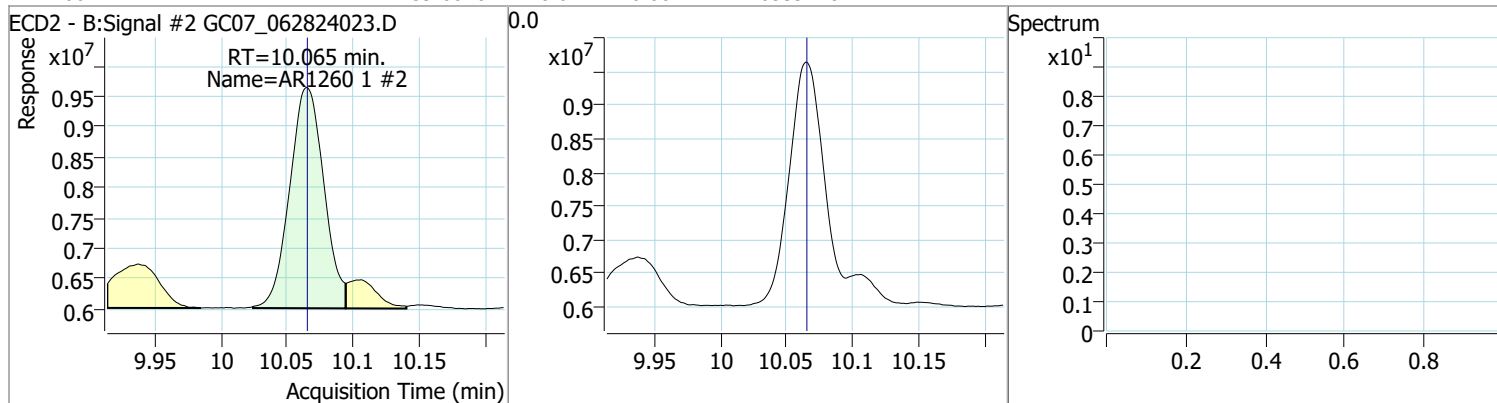
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	240.1138	9.42	0.00	30959966				



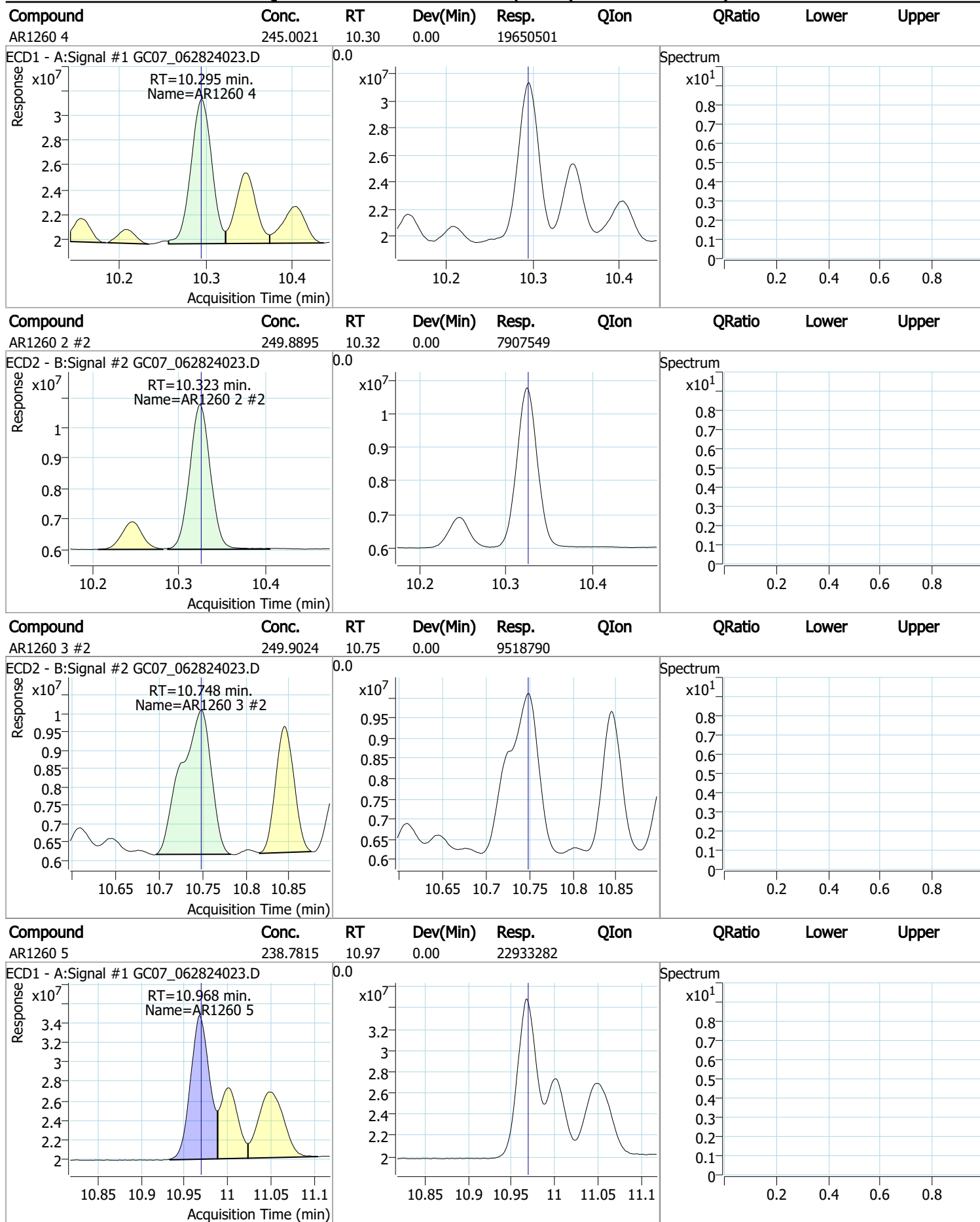
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	242.4531	9.83	0.00	33635868 (m)				



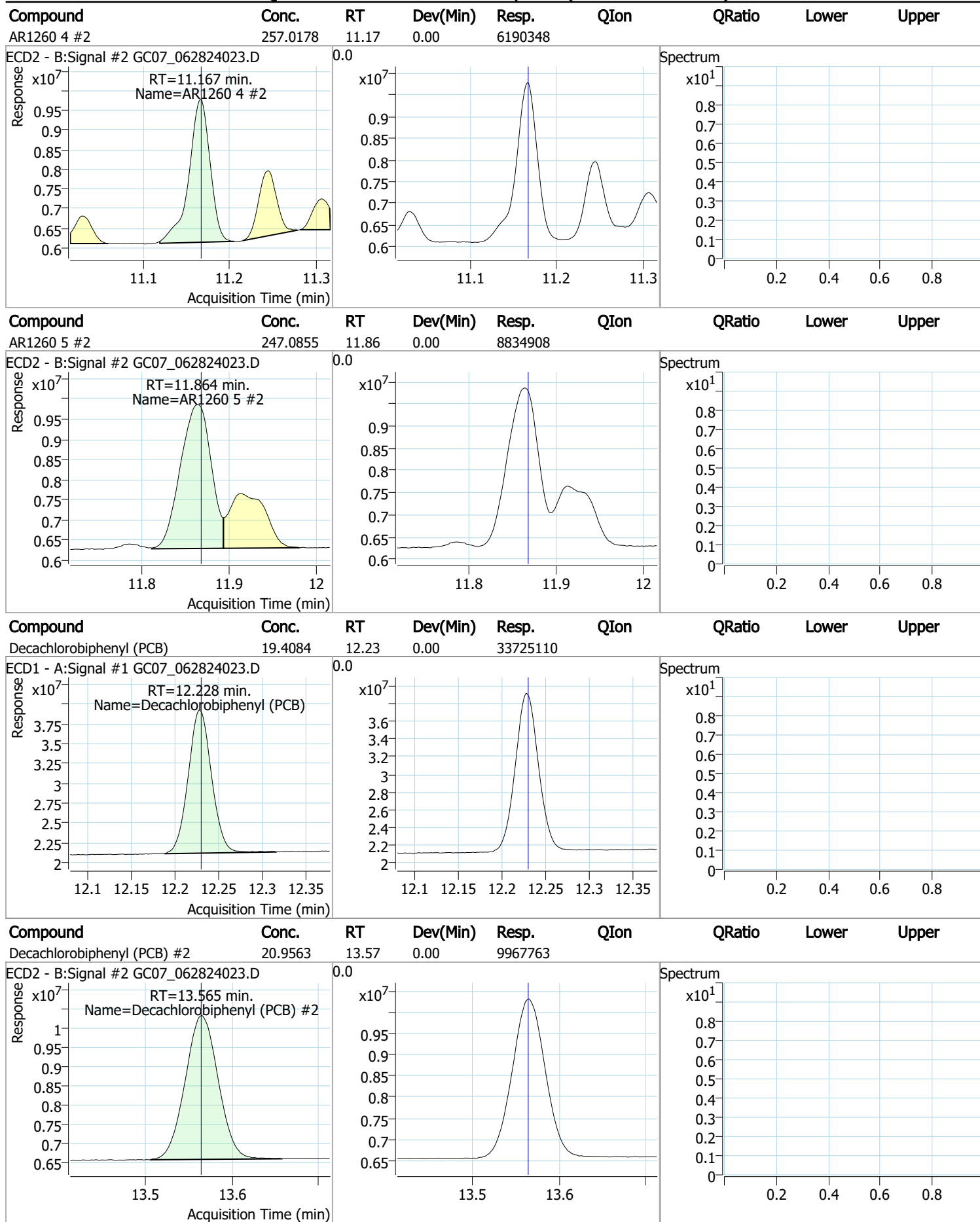
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	259.6026	10.07	0.00	6539148				



Quantitation Results Report (Not Reviewed)



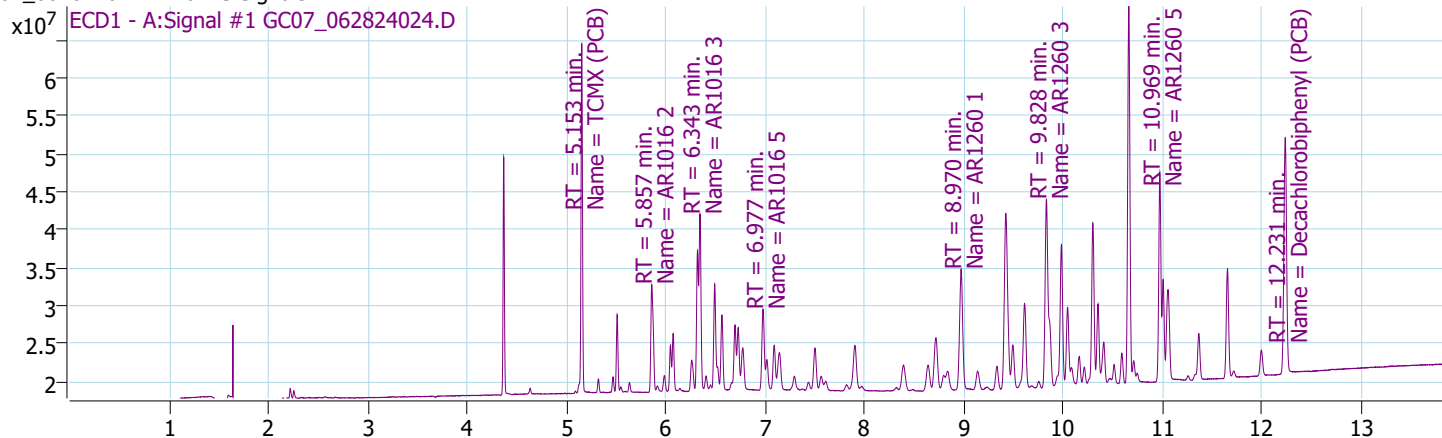
Quantitation Results Report (Not Reviewed)



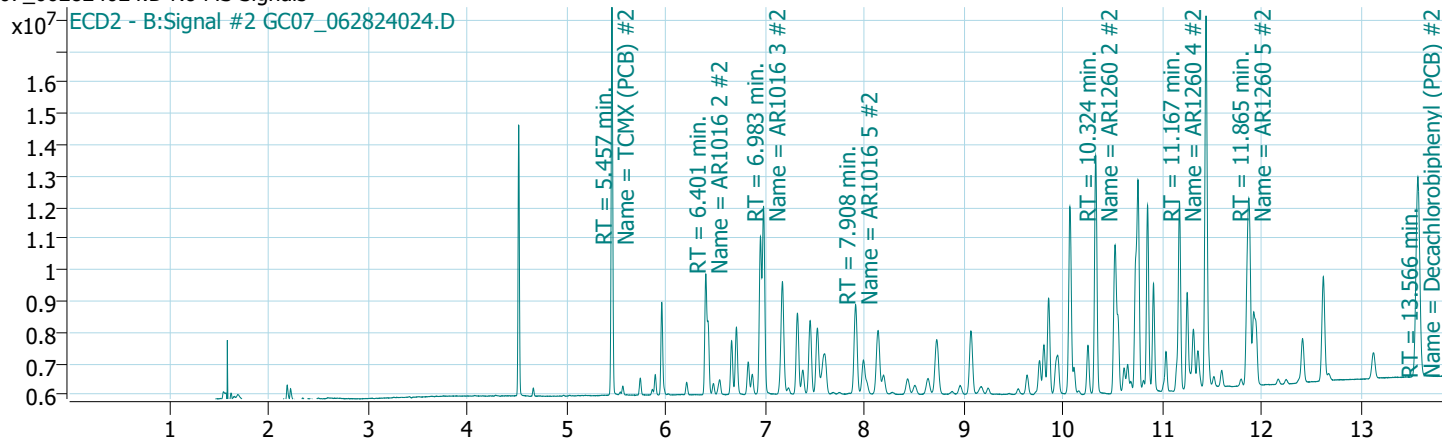
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:13:27 PM
Sample Name	ICAL, S20887	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824024.D No MS Signals



GC07_062824024.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28559390.8 30	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8178446.73 5	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	48329494.5 91	36.1248	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.62%	*	
S TCMX (PCB) #2	5.457	0.0	14145725.0 48	36.0604	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.30%	*	
S Decachlorobiphenyl (PCB)	12.231	0.0	59871129.0 47	38.0230	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.12%	*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	17397856.5 64	38.9397	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.70%	*	

Target Compounds

QValue

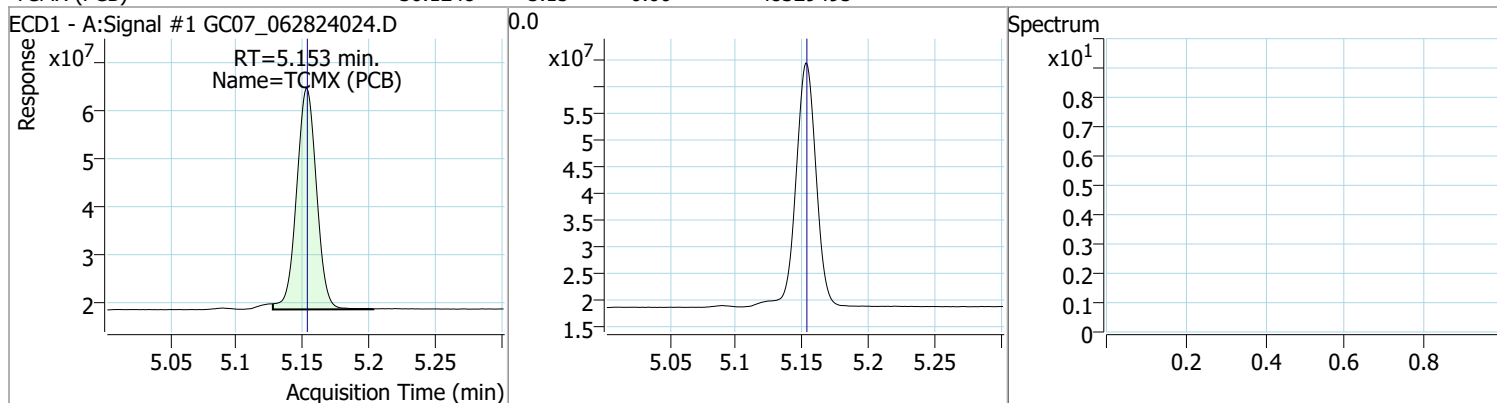
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.509	0.0	11456349.1 24	458.9217	ng/ml	100
T AR1016 2	5.857	0.0	24370875.0 13	469.9378	ng/ml	100
T AR1016 1 #2	5.958	0.0	3894646.51 1	451.0175	ng/ml	100
T AR1016 3	6.343	0.0	31510228.2 77	484.3037	ng/ml	100
T AR1016 2 #2	6.401	0.0	8436943.17 4	472.8965	ng/ml	100
T AR1016 4	6.491	0.0	20171592.7 97	464.8430	ng/ml m	100
T AR1016 5	6.977	0.0	17790602.6 32	466.4070	ng/ml	100
T AR1016 3 #2	6.983	0.0	10321710.6 74	463.8696	ng/ml	100
T AR1016 4 #2	7.172	0.0	7517043.58 4	456.9929	ng/ml	100
T AR1016 5 #2	7.908	0.0	6164598.65 2	463.3771	ng/ml	100
T AR1260 1	8.970	0.0	34968974.1 38	457.1017	ng/ml	100
T AR1260 2	9.420	0.0	54467793.9 82	466.1748	ng/ml	100
T AR1260 3	9.828	0.0	59512614.7 00	473.3981	ng/ml m	100
T AR1260 1 #2	10.064	0.0	10972294.3 21	463.7303	ng/ml	100
T AR1260 4	10.295	0.0	35258109.2 21	485.1182	ng/ml	100
T AR1260 2 #2	10.324	0.0	13186955.0 89	443.6401	ng/ml	100
T AR1260 3 #2	10.749	0.0	16208572.8 25	453.0160	ng/ml	100
T AR1260 5	10.969	0.0	41681149.4 73	478.9239	ng/ml	100
T AR1260 4 #2	11.167	0.0	10585125.2 58	467.8691	ng/ml	100
T AR1260 5 #2	11.865	0.0	15343499.8 70	456.8250	ng/ml	100

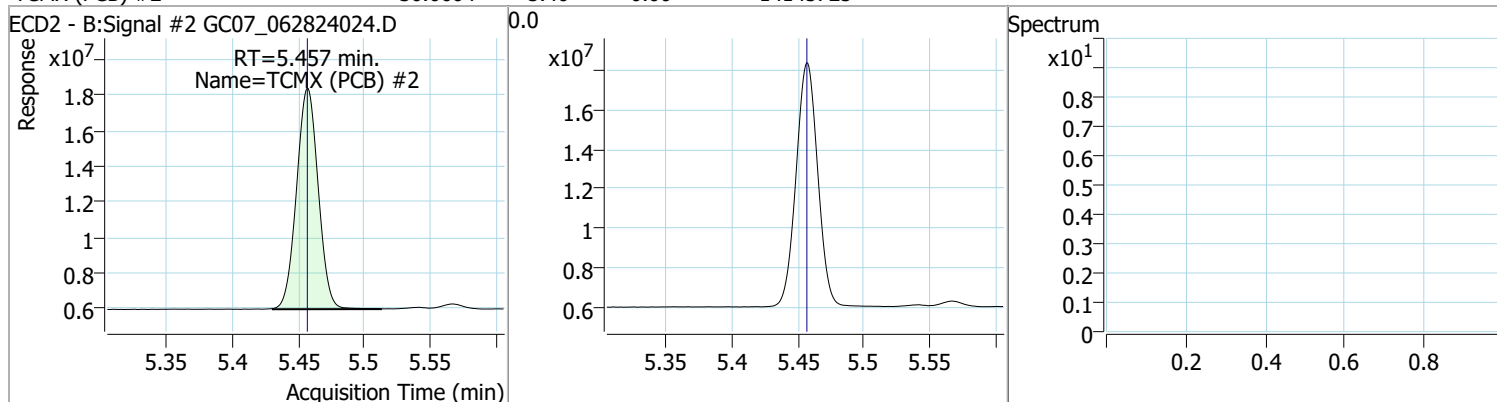
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

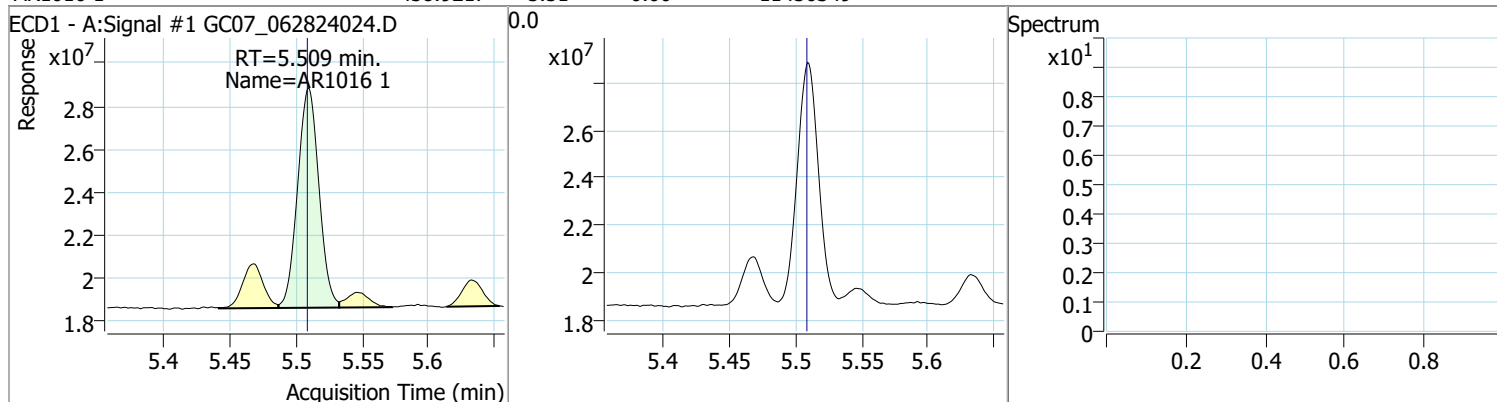
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.1248	5.15	0.00	48329495				



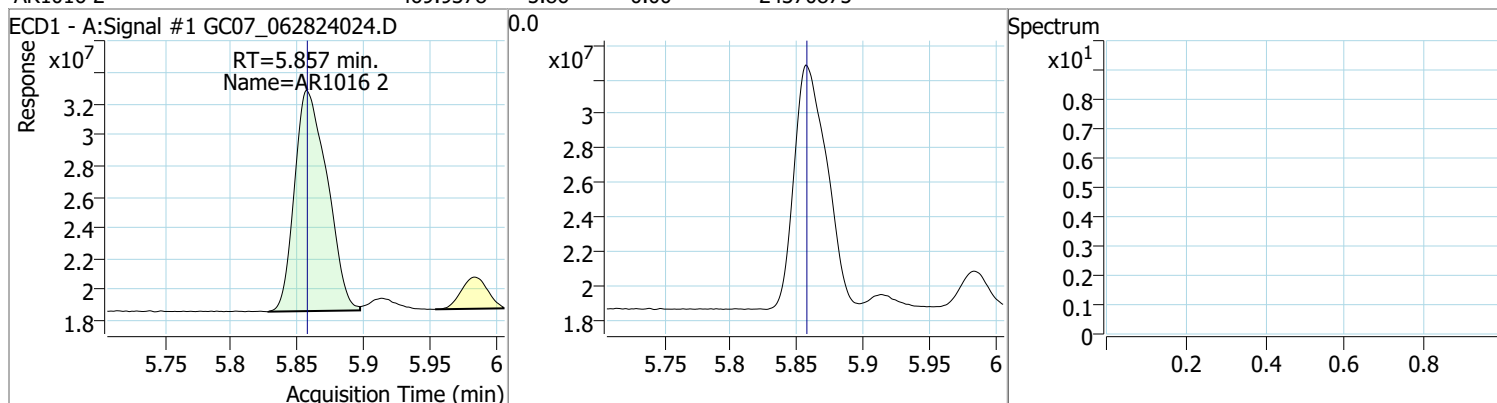
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.0604	5.46	0.00	14145725				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	458.9217	5.51	0.00	11456349				

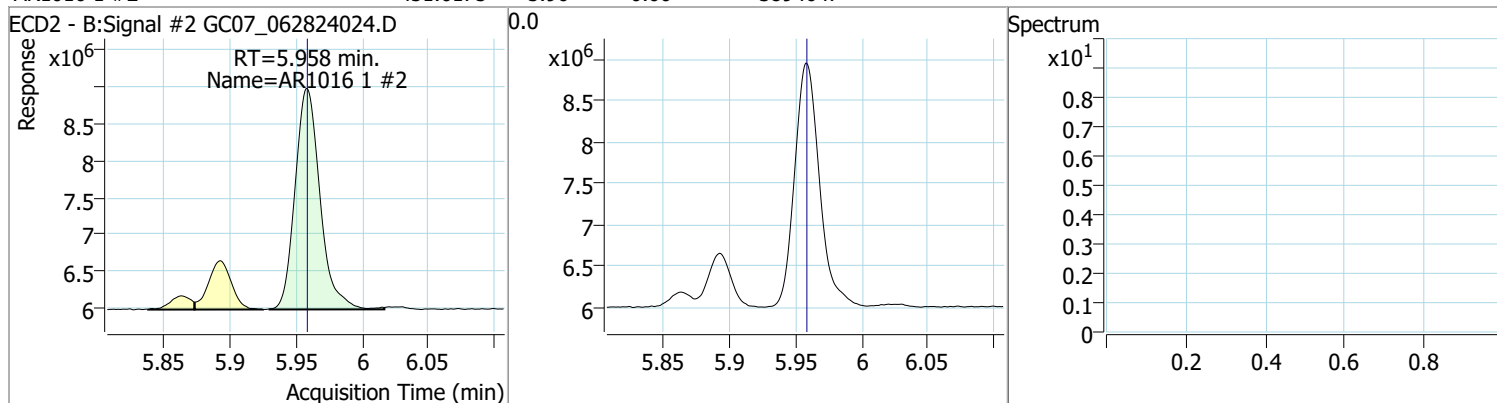


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	469.9378	5.86	0.00	24370875				

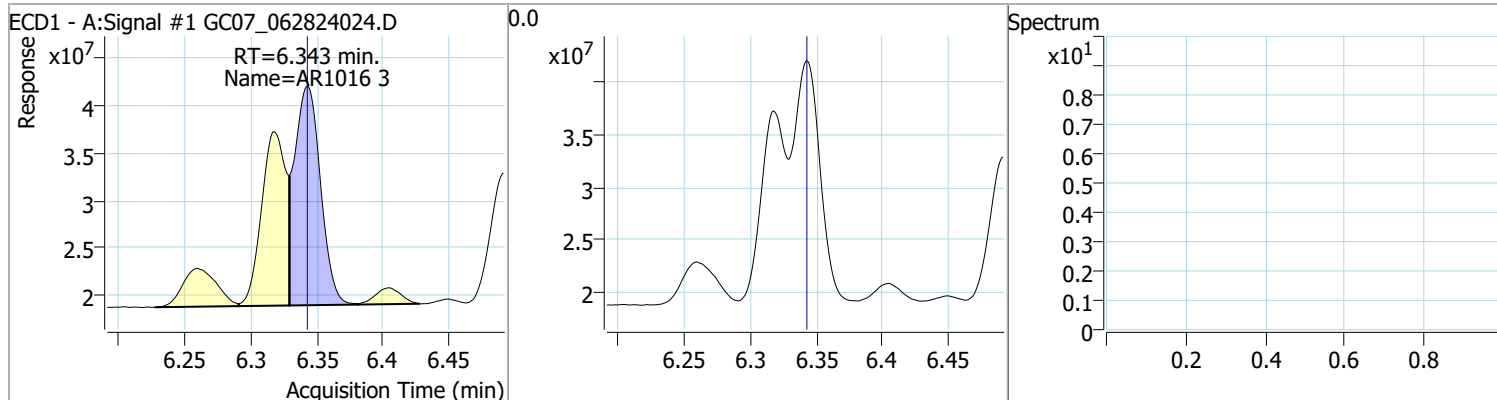


Quantitation Results Report (Not Reviewed)

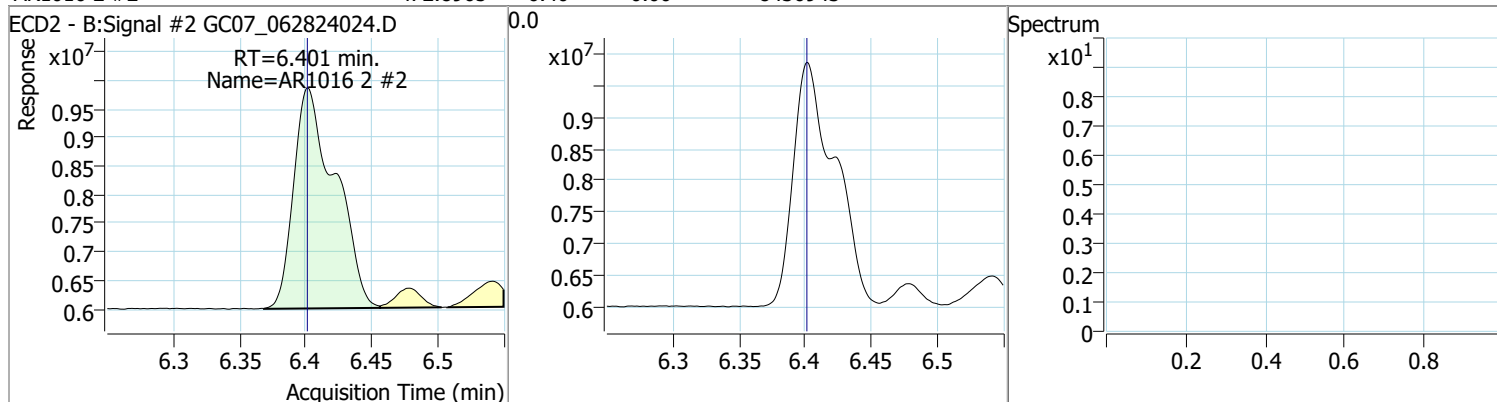
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	451.0175	5.96	0.00	3894647				



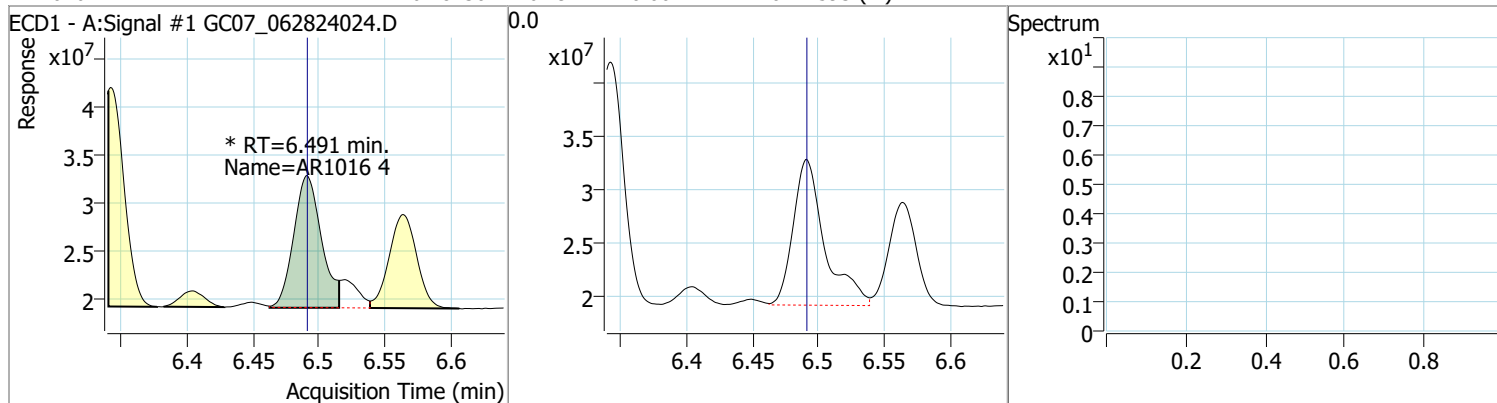
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	484.3037	6.34	0.00	31510228				



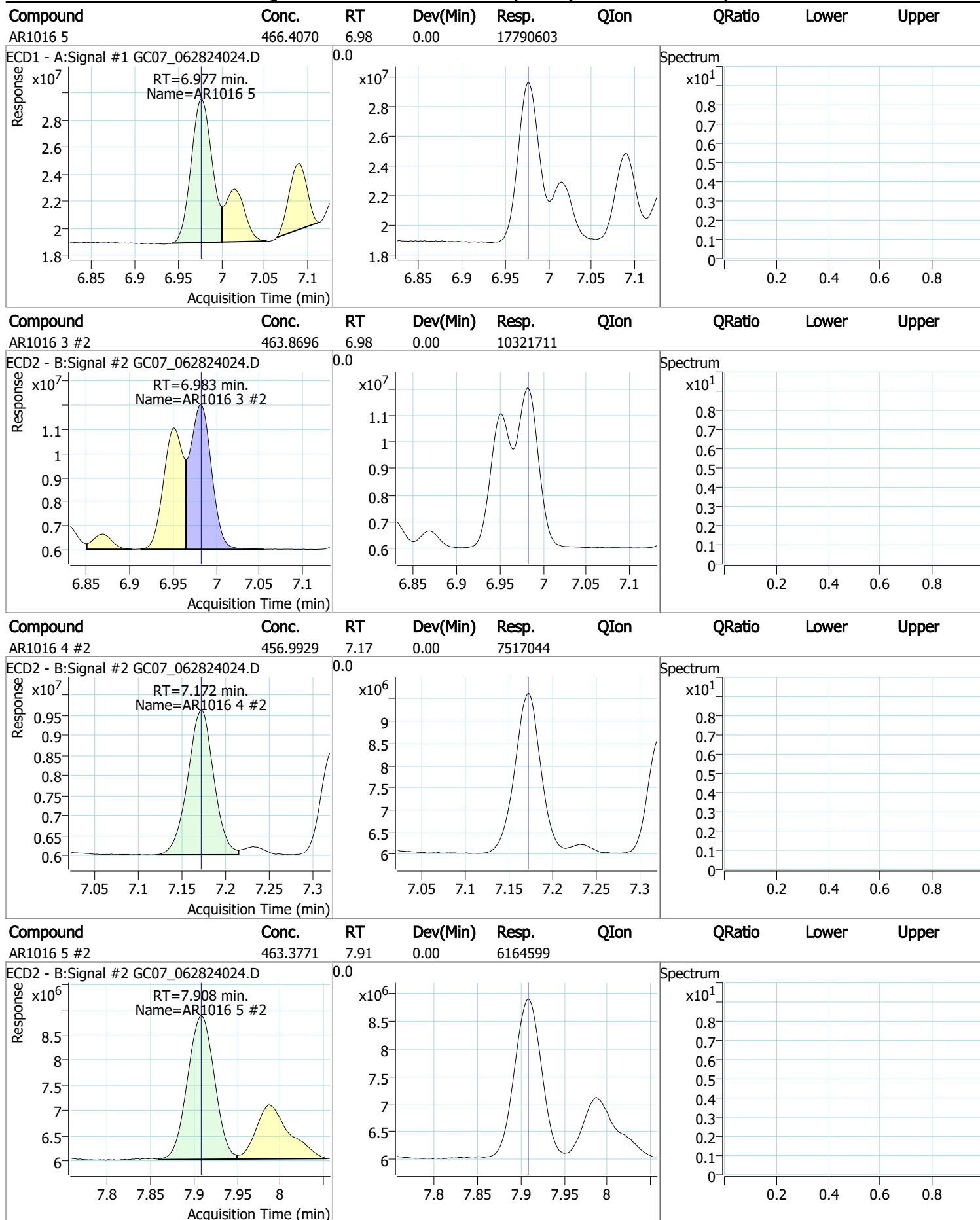
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	472.8965	6.40	0.00	8436943				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	464.8430	6.49	0.00	20171593 (m)				

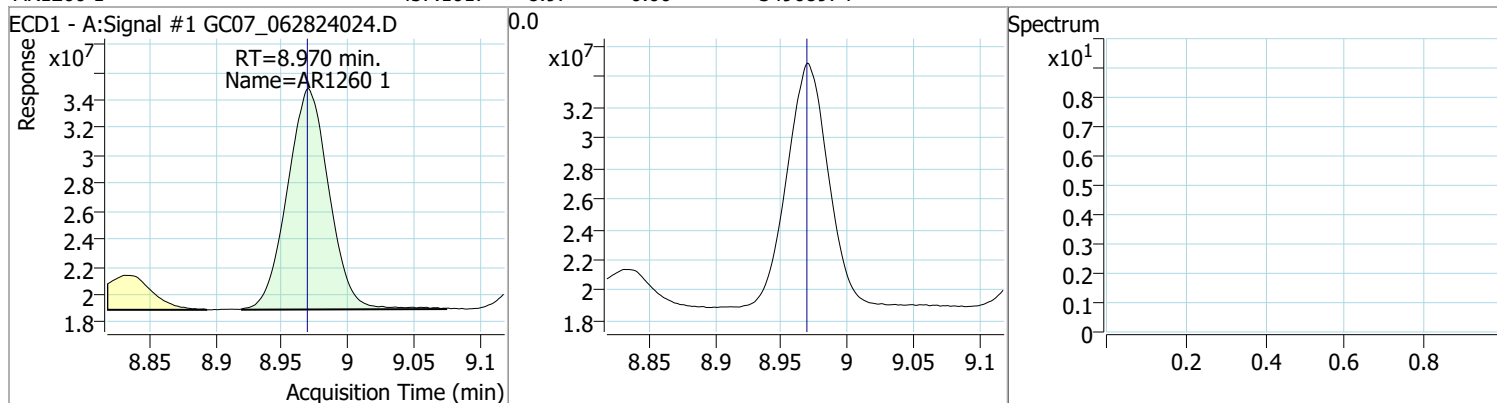


Quantitation Results Report (Not Reviewed)

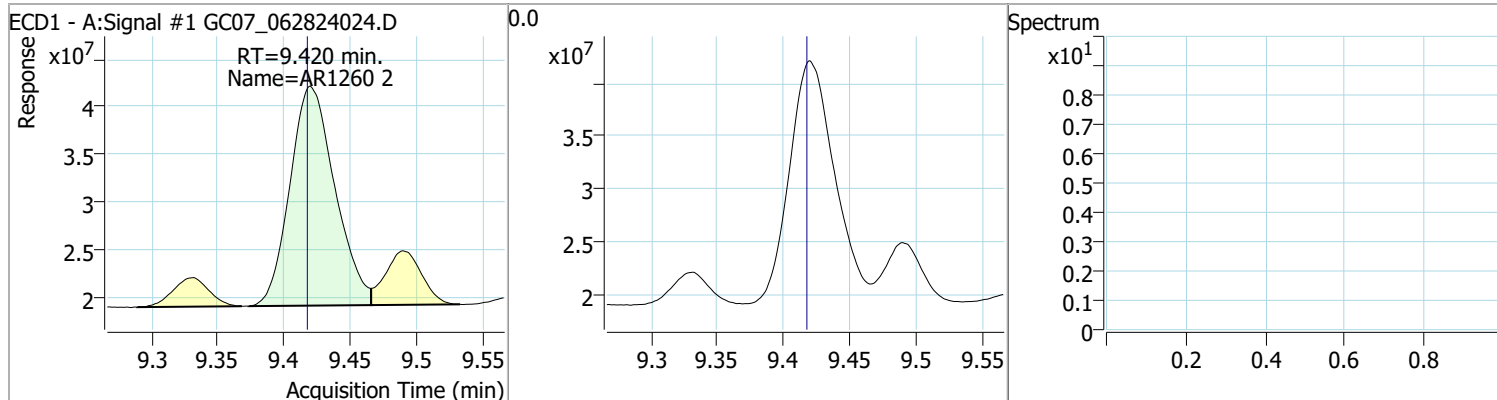


Quantitation Results Report (Not Reviewed)

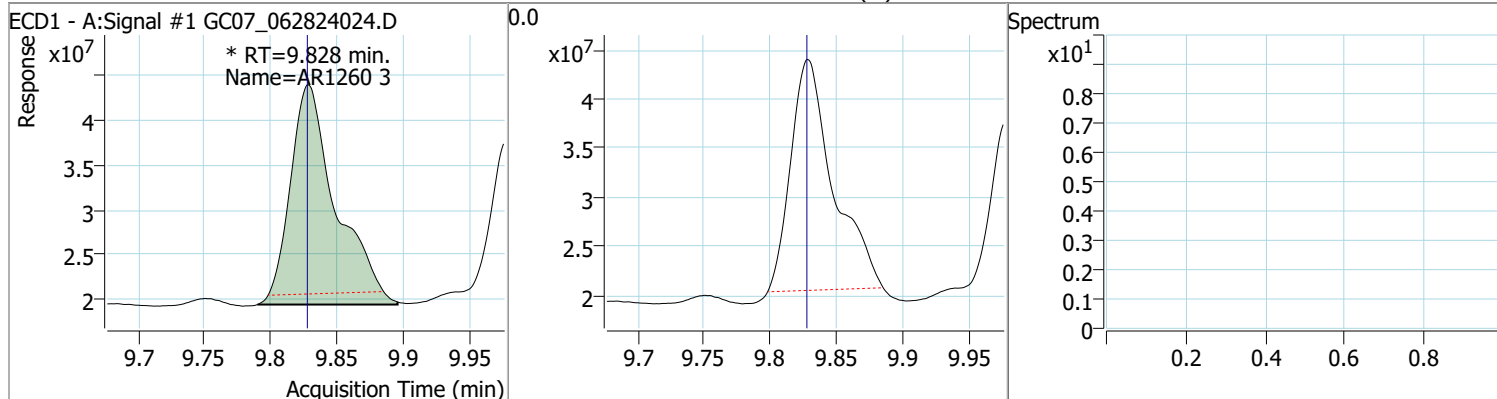
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	457.1017	8.97	0.00	34968974				



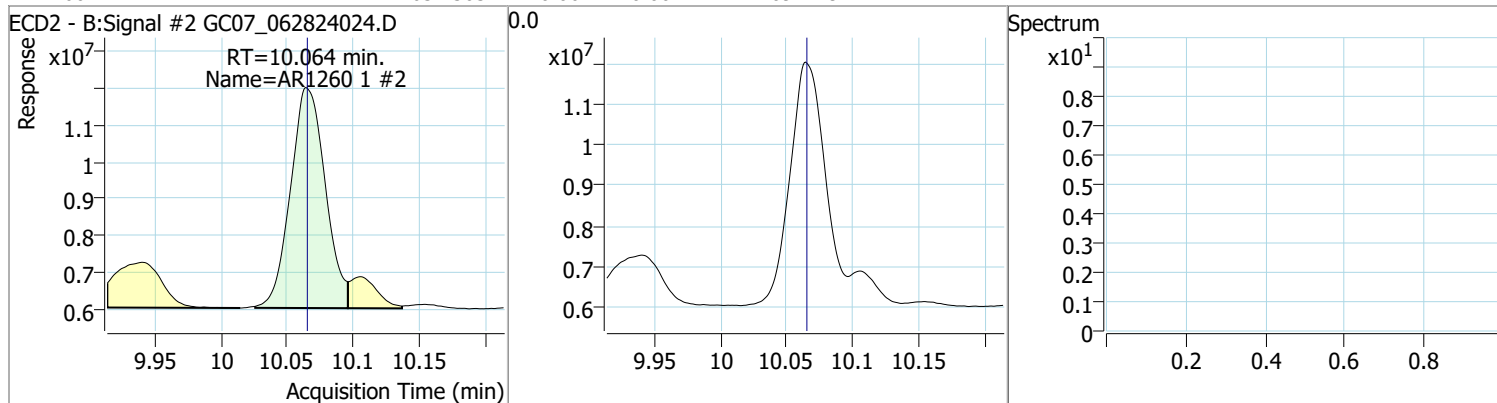
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	466.1748	9.42	0.00	54467794				



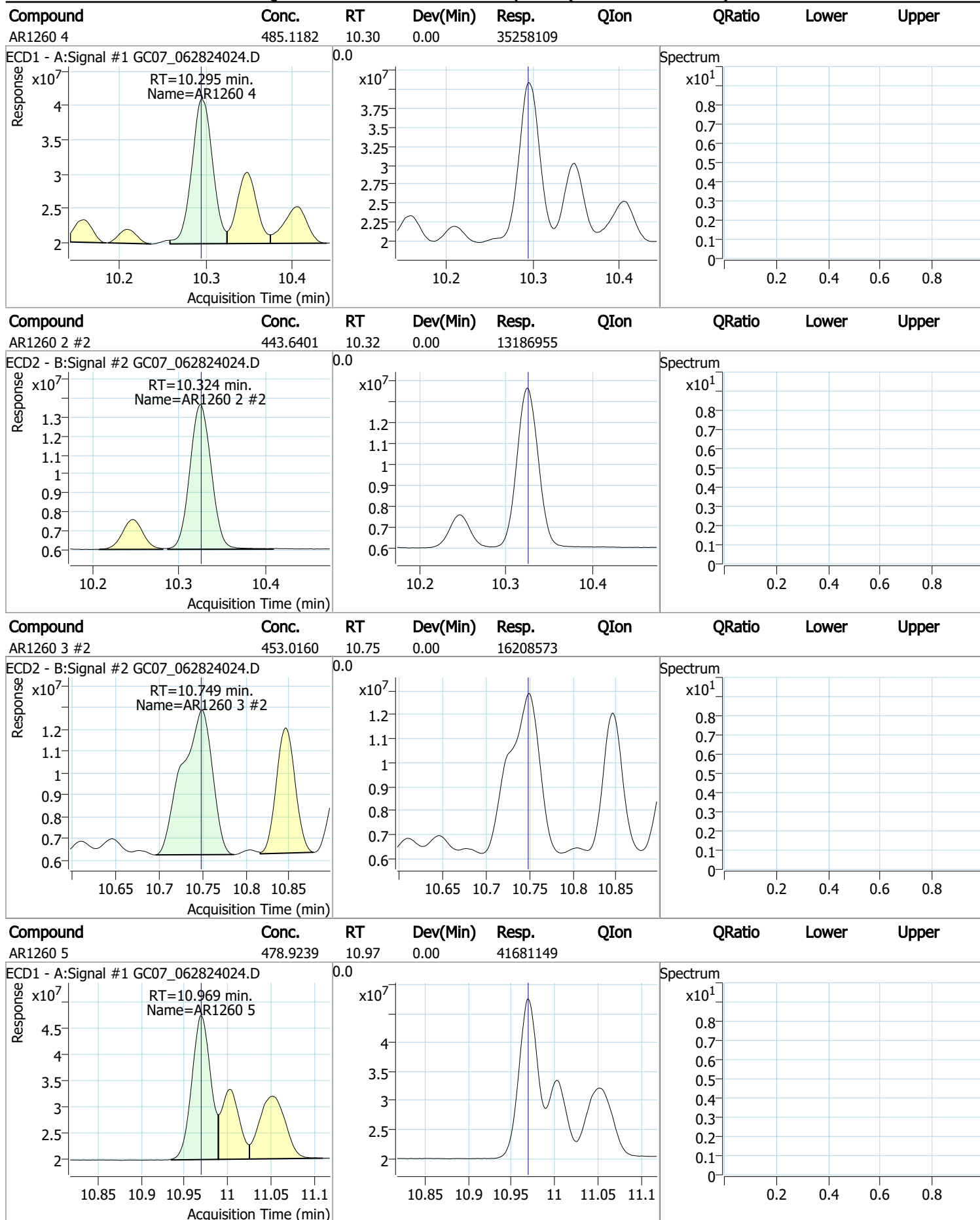
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	473.3981	9.83	0.00	59512615 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	463.7303	10.06	0.00	10972294				

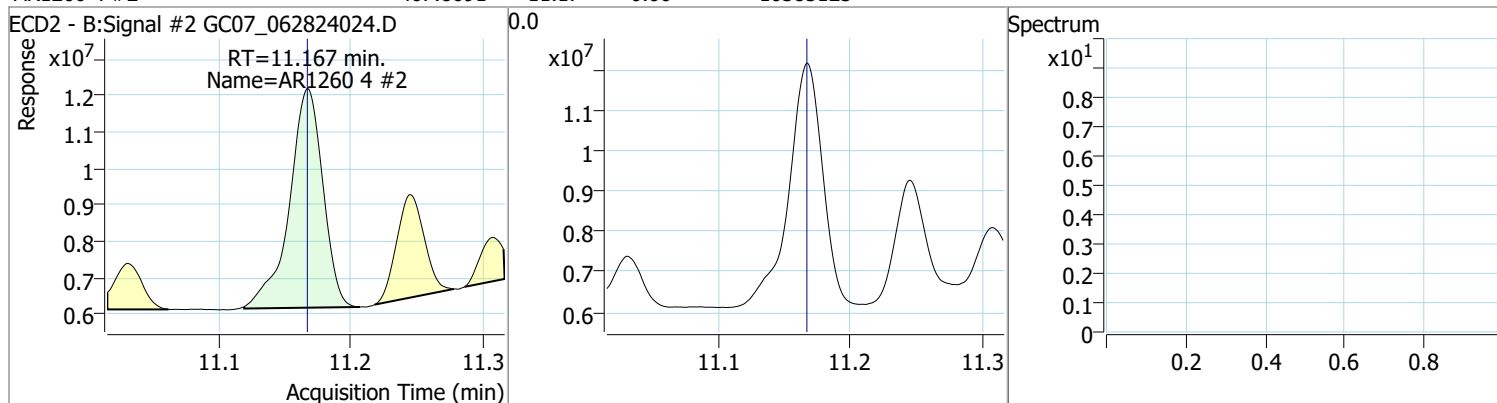


Quantitation Results Report (Not Reviewed)

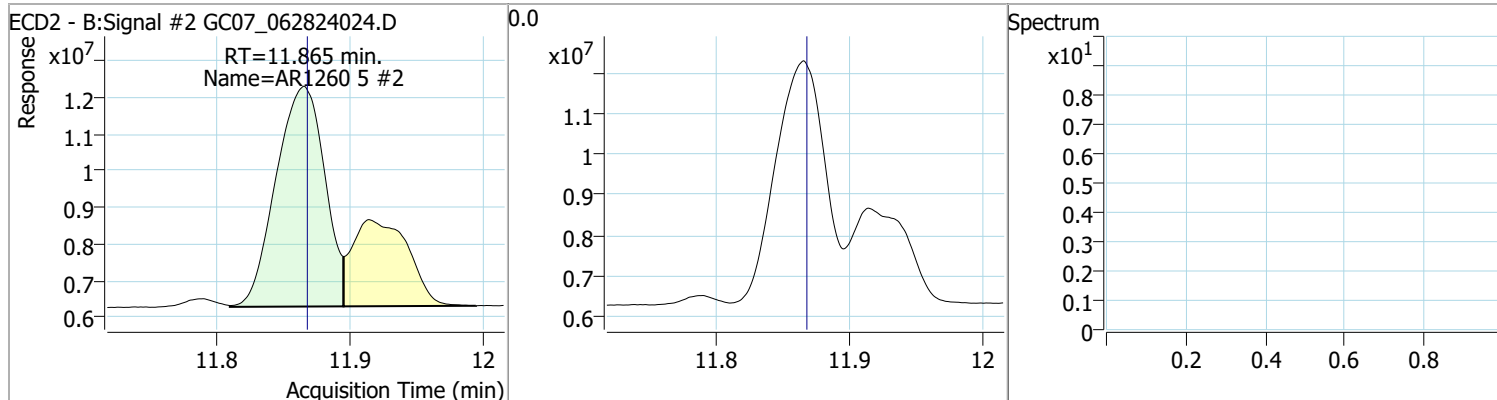


Quantitation Results Report (Not Reviewed)

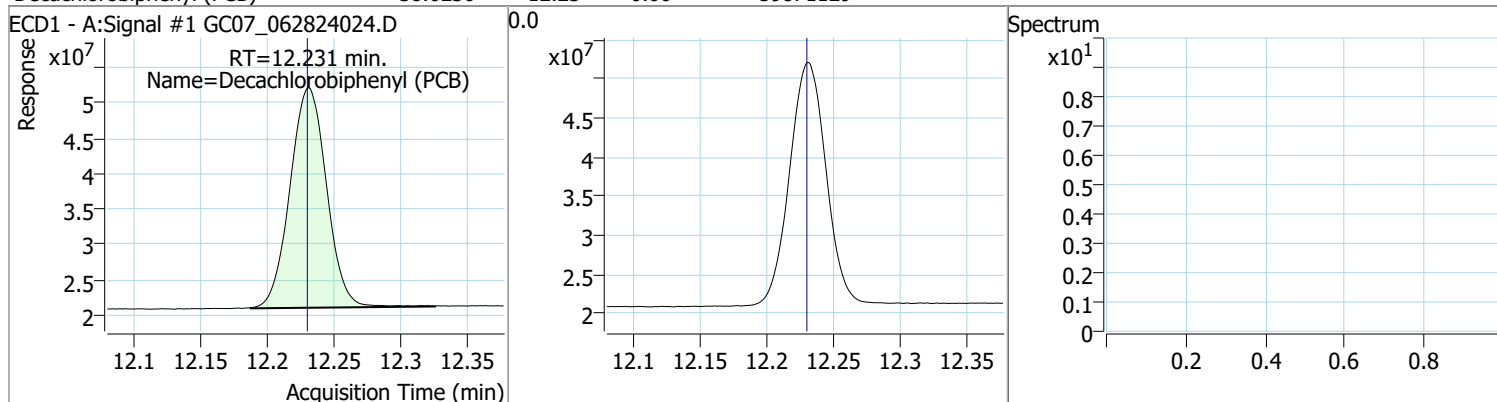
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	467.8691	11.17	0.00	10585125				



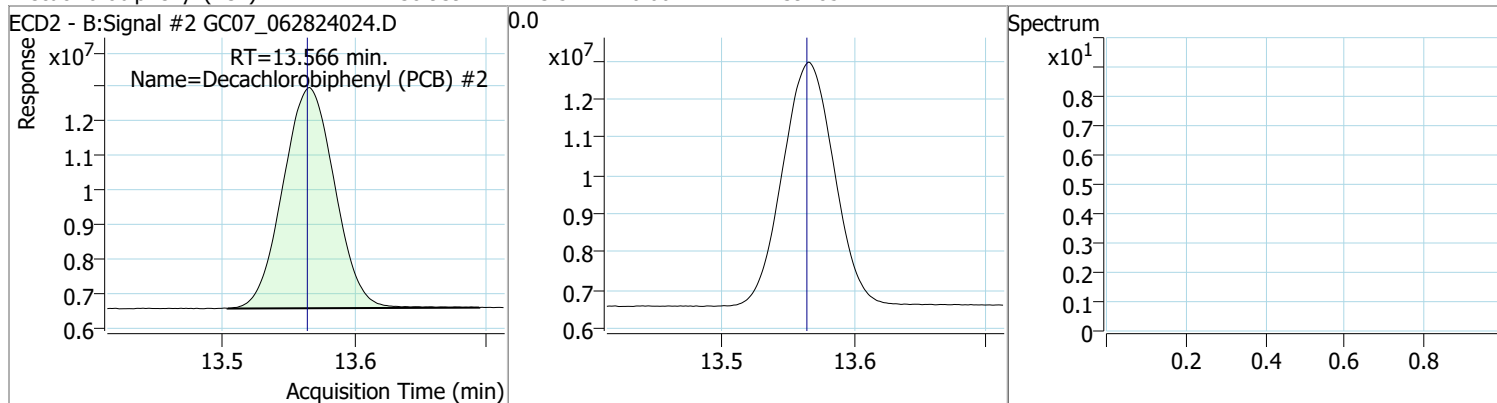
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	456.8250	11.87	0.00	15343500				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.0230	12.23	0.00	59871129				

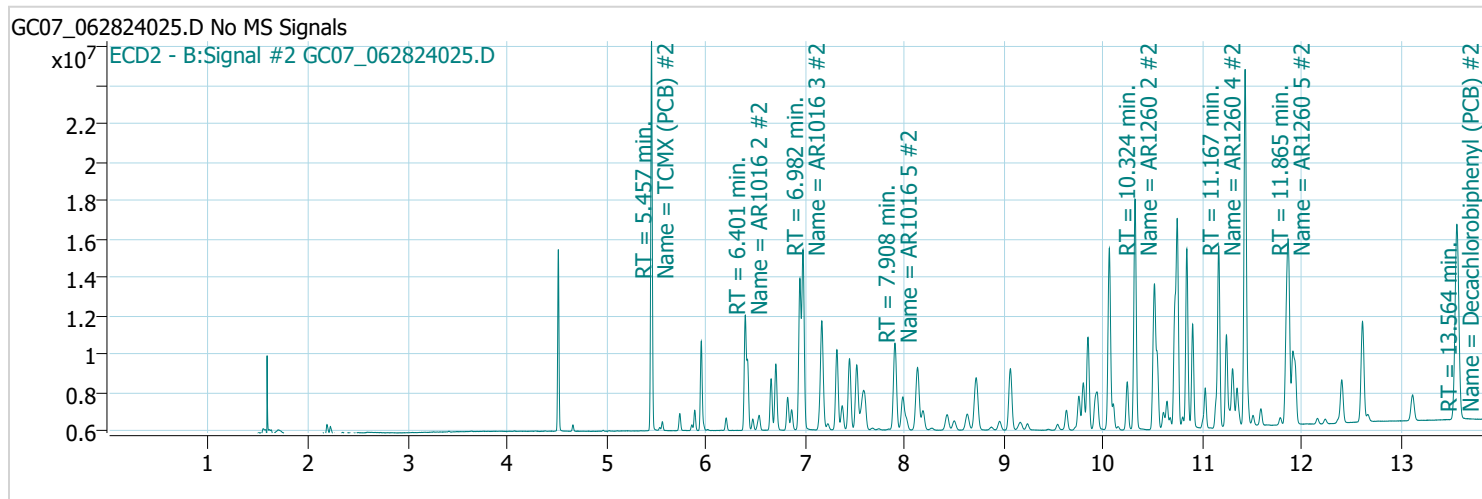
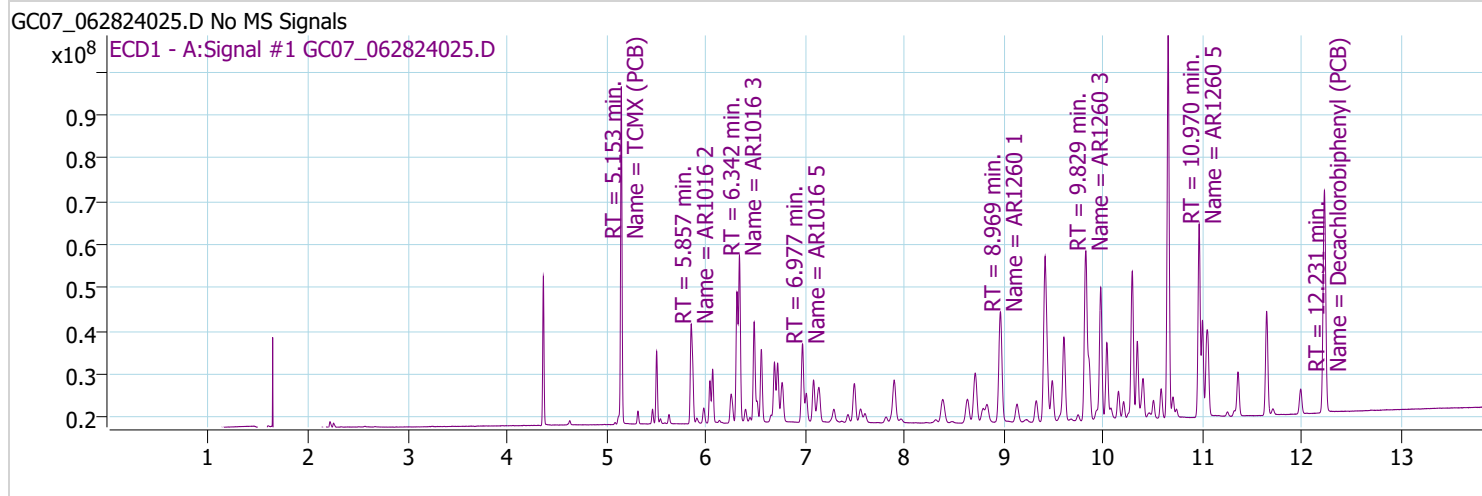


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.9397	13.57	0.00	17397857				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:30:49 PM
Sample Name	ICAL, S20888	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31521008.606	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8732372.944	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	80432127.843	54.4718	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.36%	*	
S TCMX (PCB) #2	5.457	0.0	22613164.492	53.9889	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 269.94%	*	
S Decachlorobiphenyl (PCB)	12.231	0.0	96925538.200	55.7720	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 278.86%	*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	27480913.922	57.6059	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 288.03%	*	

Target Compounds

QValue

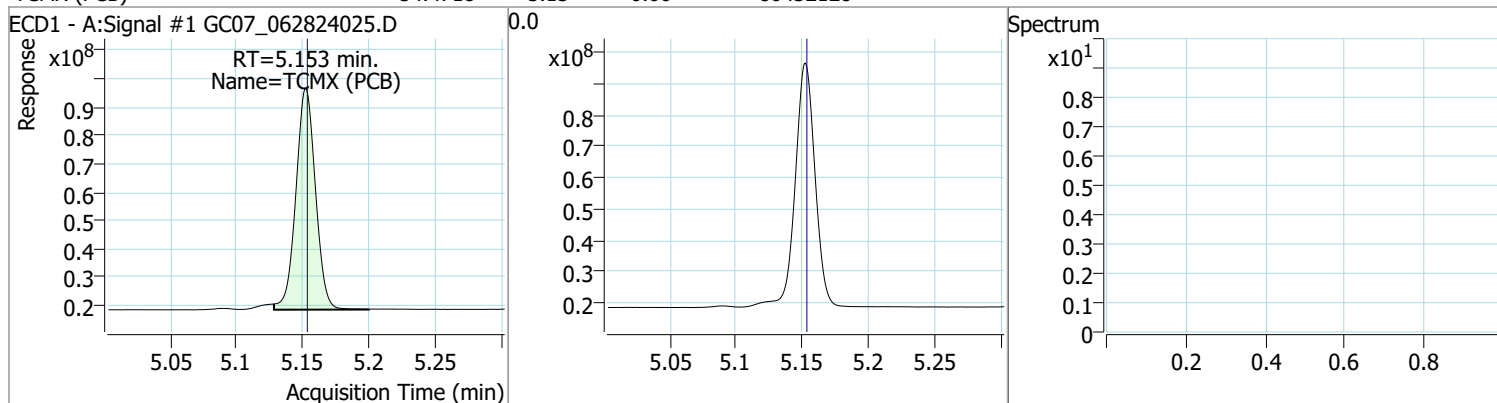
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	18625516.4 87	676.0044	ng/ml	100
T AR1016 2	5.857	0.0	39821970.9 78	695.7301	ng/ml	100
T AR1016 1 #2	5.958	0.0	6200185.22 0	672.4632	ng/ml	100
T AR1016 3	6.342	0.0	51592156.3 19	718.4537	ng/ml	100
T AR1016 2 #2	6.401	0.0	13186618.0 85	692.2341	ng/ml	100
T AR1016 4	6.490	0.0	33104238.2 83	691.1918	ng/ml m	100
T AR1016 5	6.977	0.0	29391368.3 48	698.1409	ng/ml	100
T AR1016 3 #2	6.982	0.0	16217427.8 25	682.5976	ng/ml	100
T AR1016 4 #2	7.171	0.0	11905034.1 92	677.8469	ng/ml	100
T AR1016 5 #2	7.908	0.0	9906393.65 3	697.4031	ng/ml	100
T AR1260 1	8.969	0.0	57310265.3 57	678.7522	ng/ml	100
T AR1260 2	9.419	0.0	88600636.0 07	687.0600	ng/ml	100
T AR1260 3	9.829	0.0	99715428.3 43	718.6686	ng/ml m	100
T AR1260 1 #2	10.066	0.0	17249631.3 32	682.7888	ng/ml	100
T AR1260 4	10.297	0.0	58329005.6 93	727.1466	ng/ml	100
T AR1260 2 #2	10.324	0.0	20569819.2 38	648.1198	ng/ml	100
T AR1260 3 #2	10.749	0.0	25623427.8 39	670.7251	ng/ml	100
T AR1260 5	10.970	0.0	68834711.0 95	716.6105	ng/ml	100
T AR1260 4 #2	11.167	0.0	17176003.2 20	711.0318	ng/ml	100
T AR1260 5 #2	11.865	0.0	24458563.6 83	682.0165	ng/ml	100

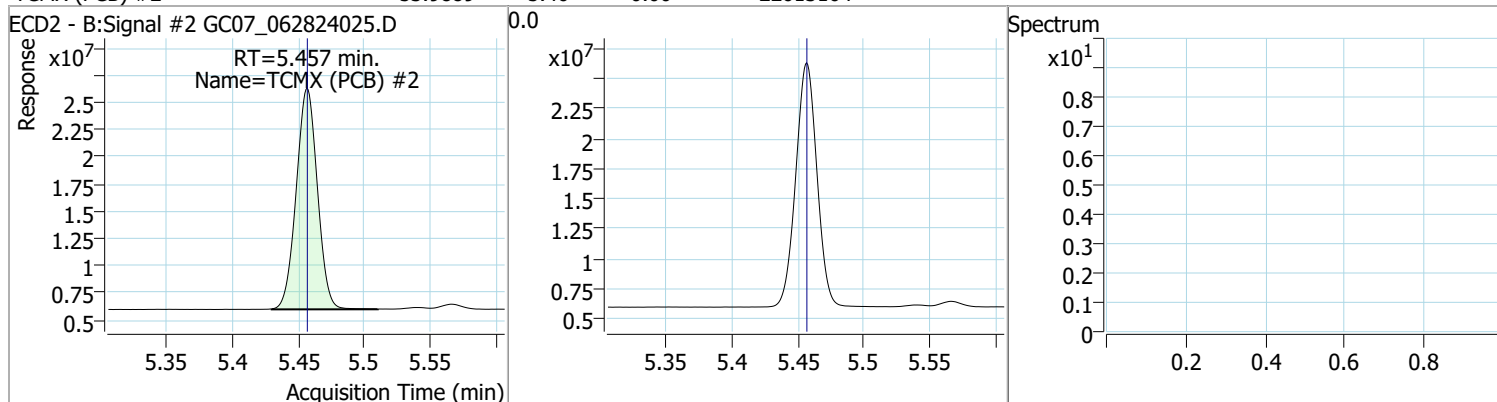
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

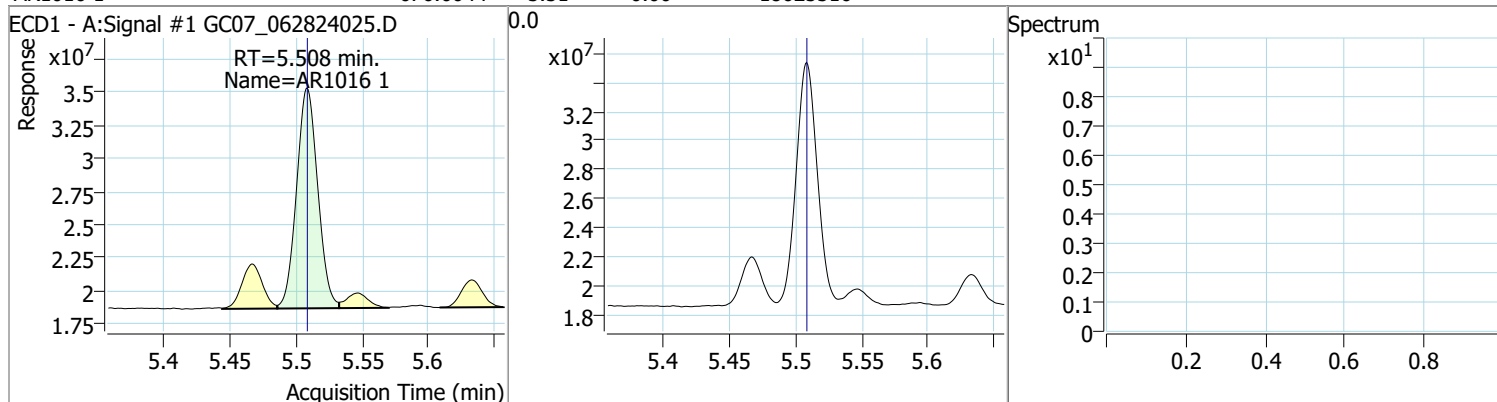
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	54.4718	5.15	0.00	80432128				



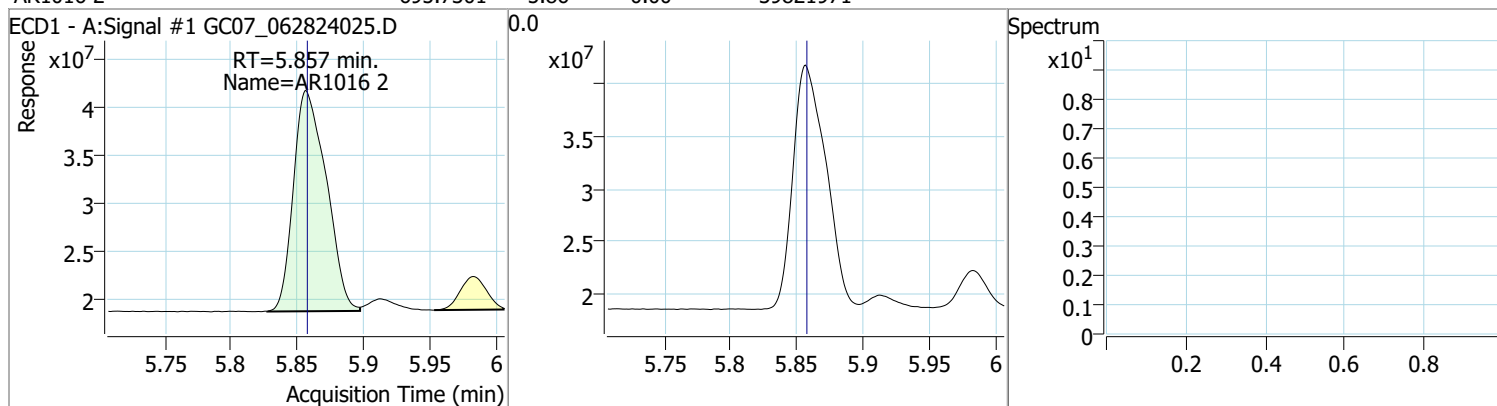
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	53.9889	5.46	0.00	22613164				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	676.0044	5.51	0.00	18625516				

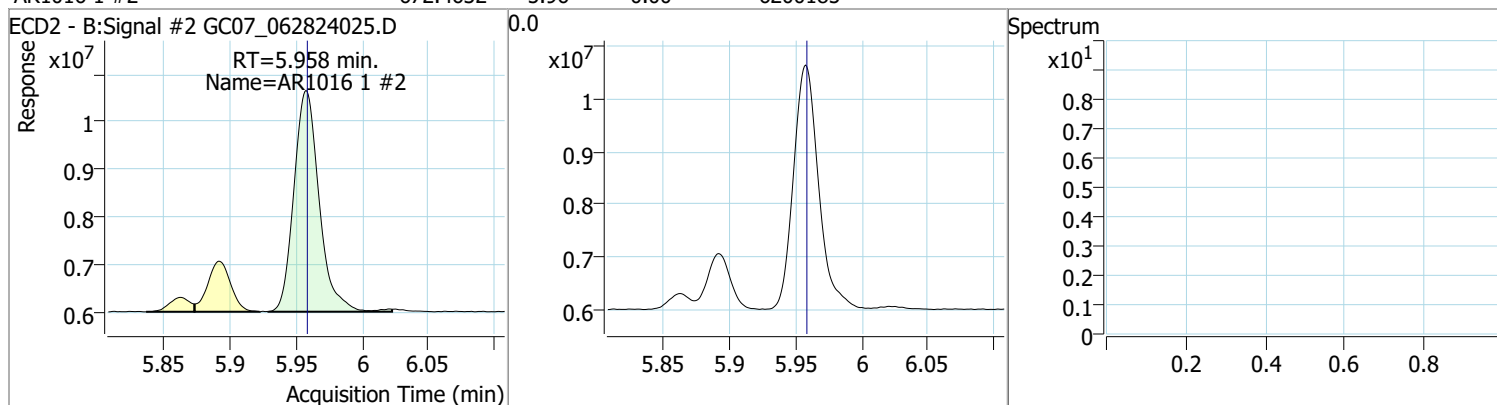


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	695.7301	5.86	0.00	39821971				

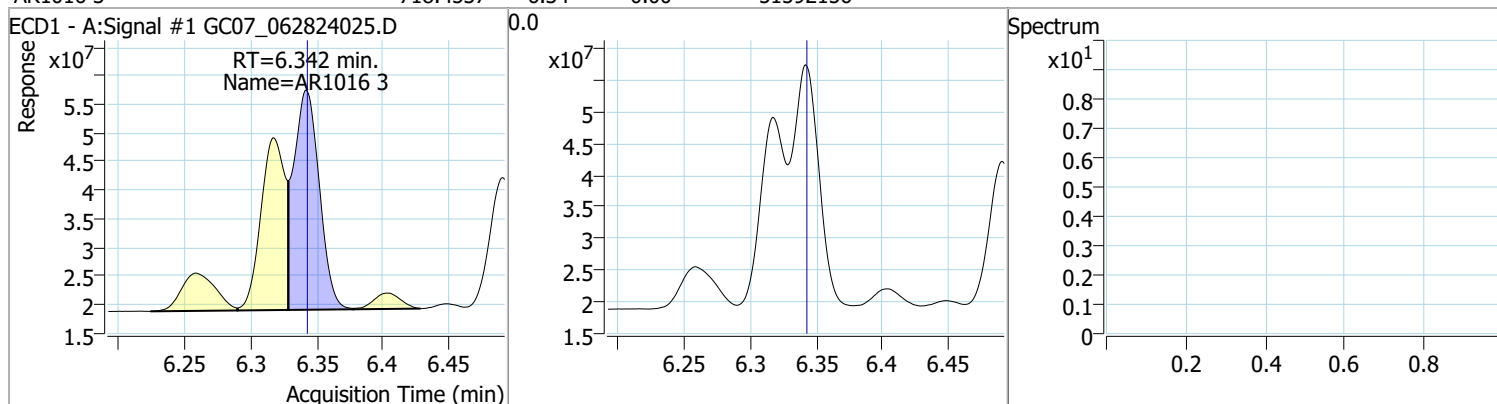


Quantitation Results Report (Not Reviewed)

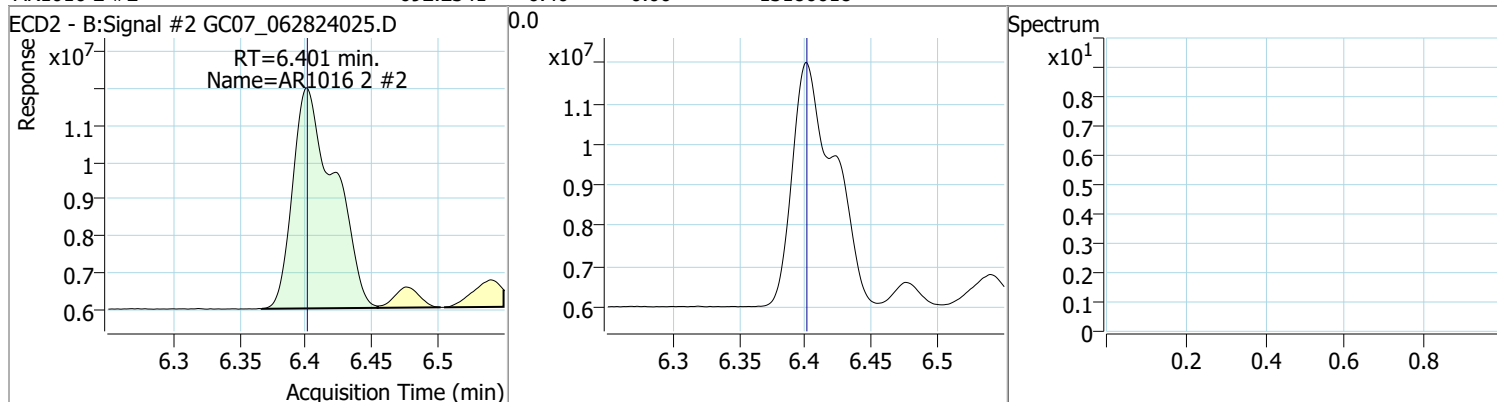
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	672.4632	5.96	0.00	6200185				



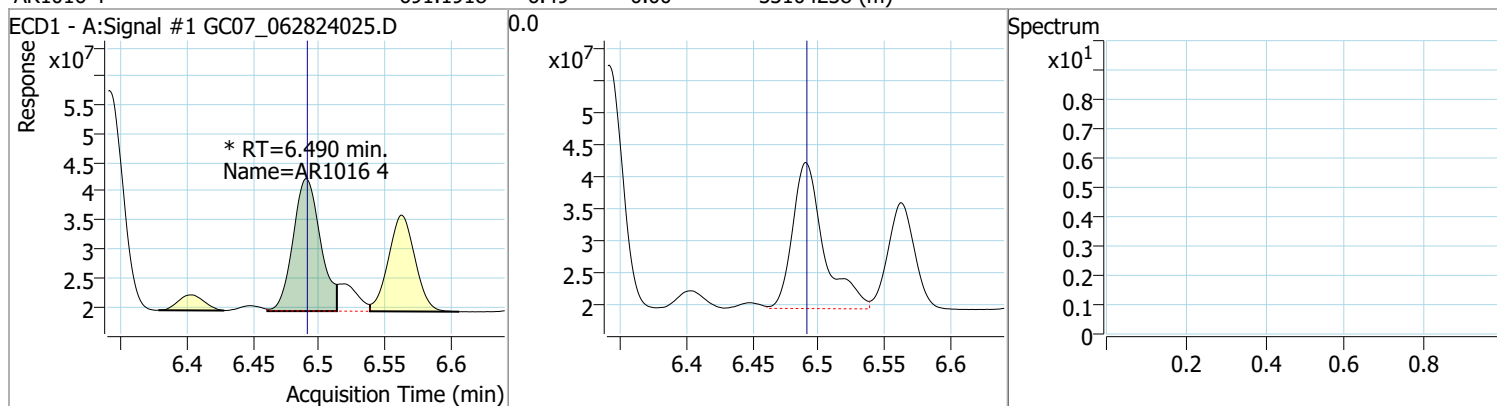
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	718.4537	6.34	0.00	51592156				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	692.2341	6.40	0.00	13186618				

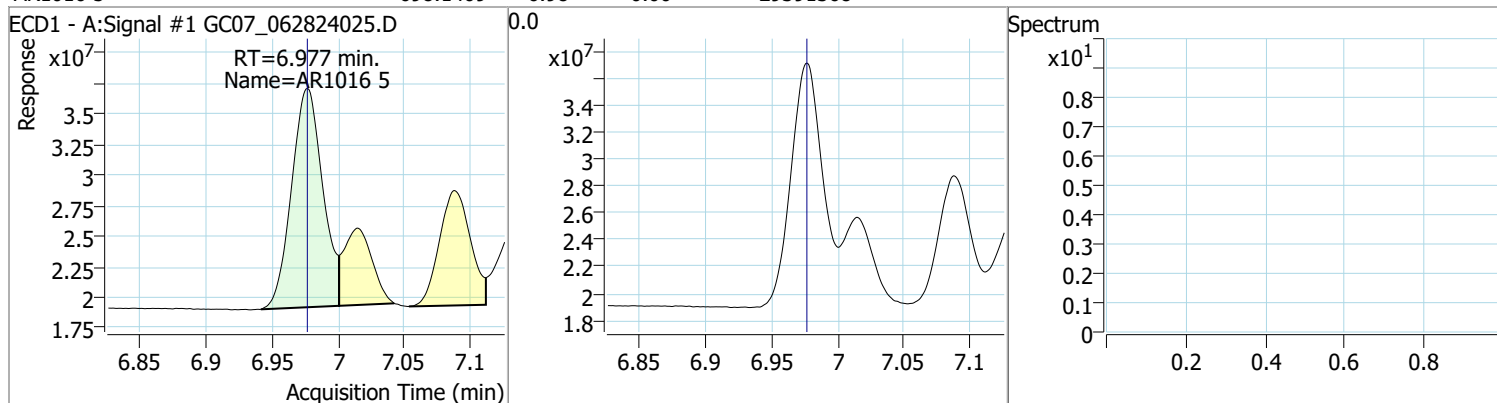


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	691.1918	6.49	0.00	33104238 (m)				

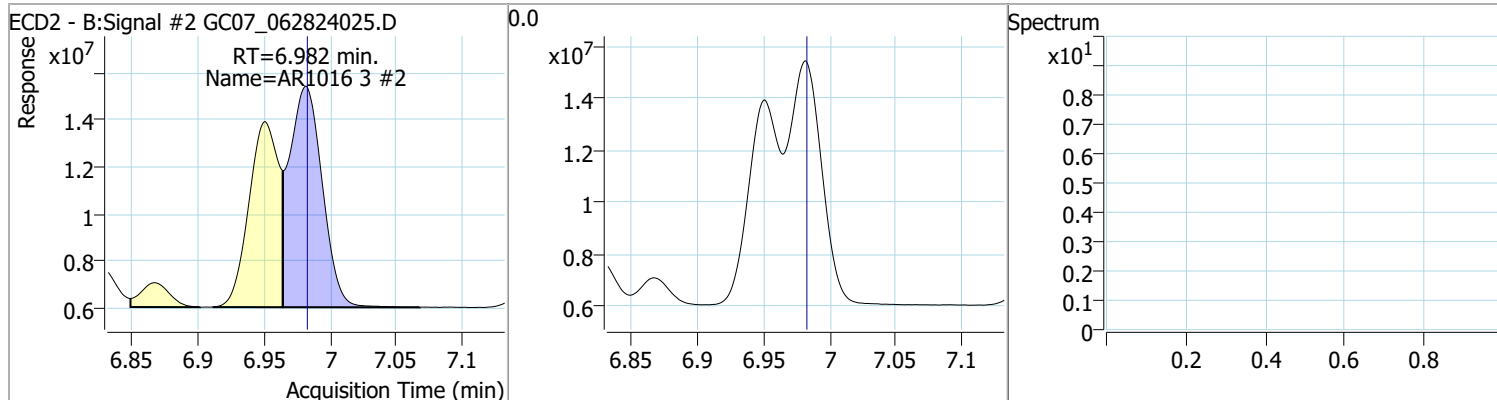


Quantitation Results Report (Not Reviewed)

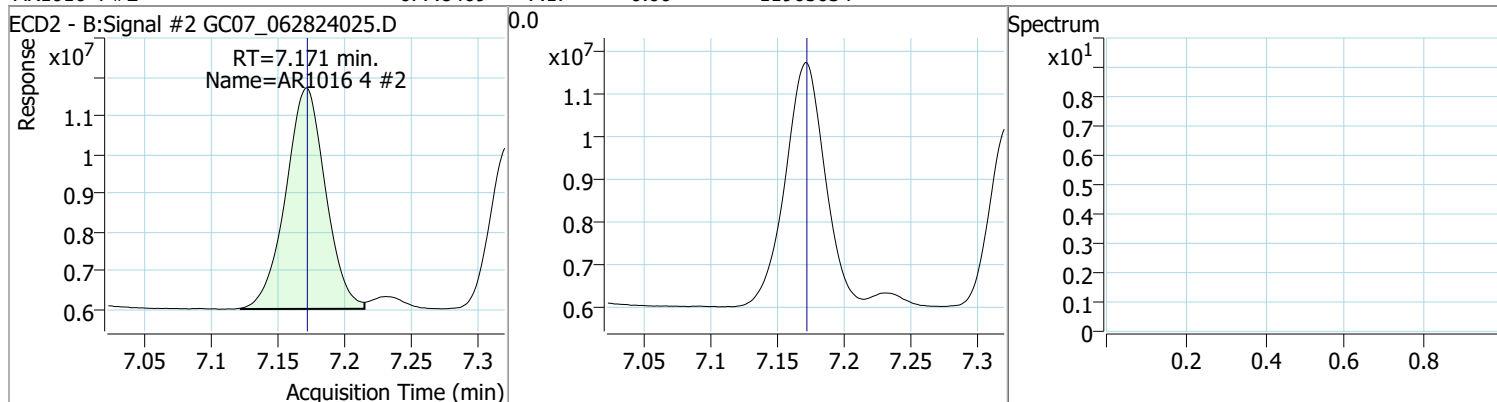
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	698.1409	6.98	0.00	29391368				



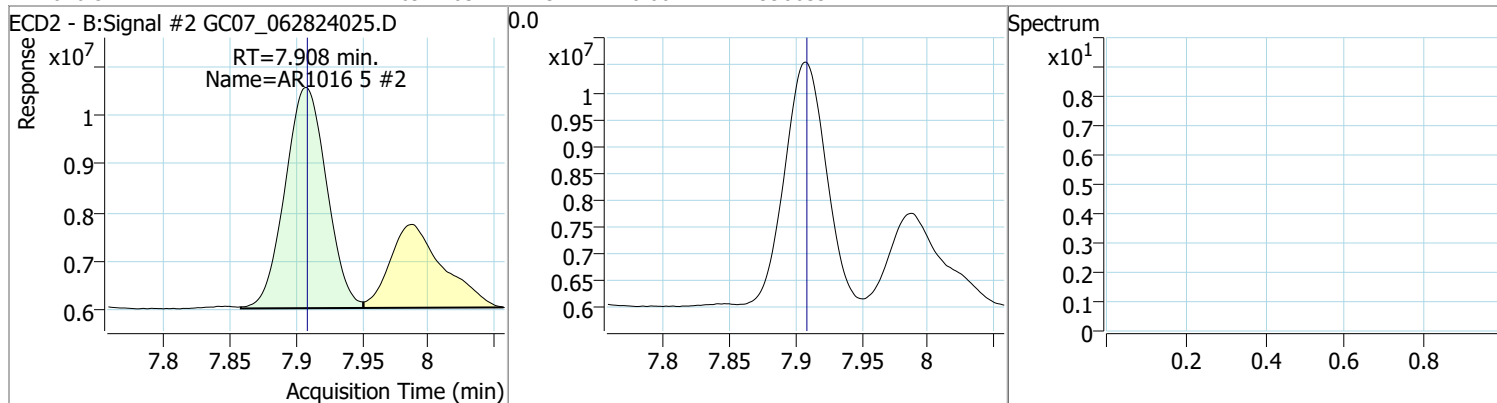
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	682.5976	6.98	0.00	16217428				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	677.8469	7.17	0.00	11905034				

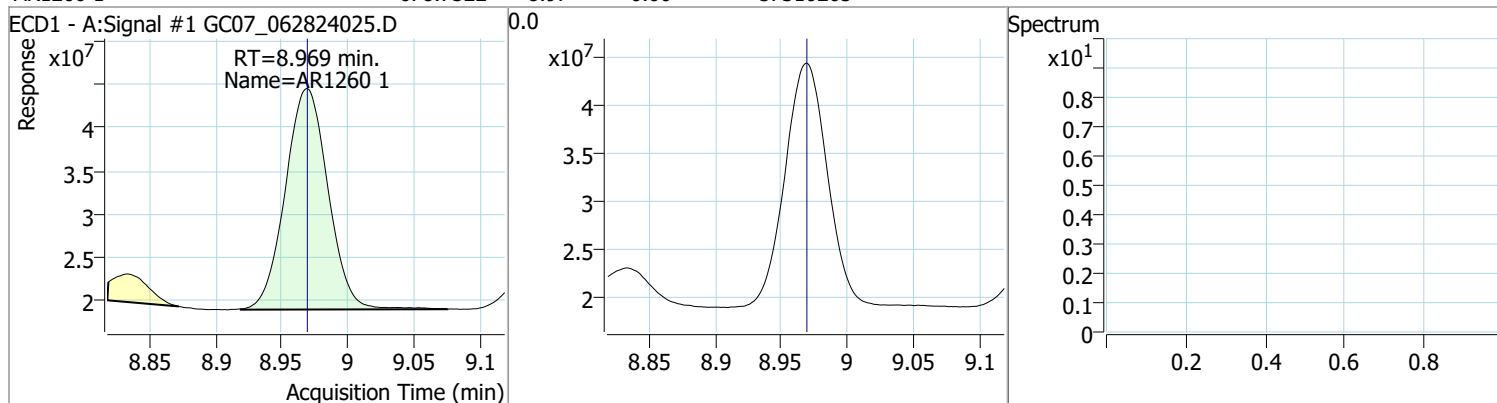


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	697.4031	7.91	0.00	9906394				

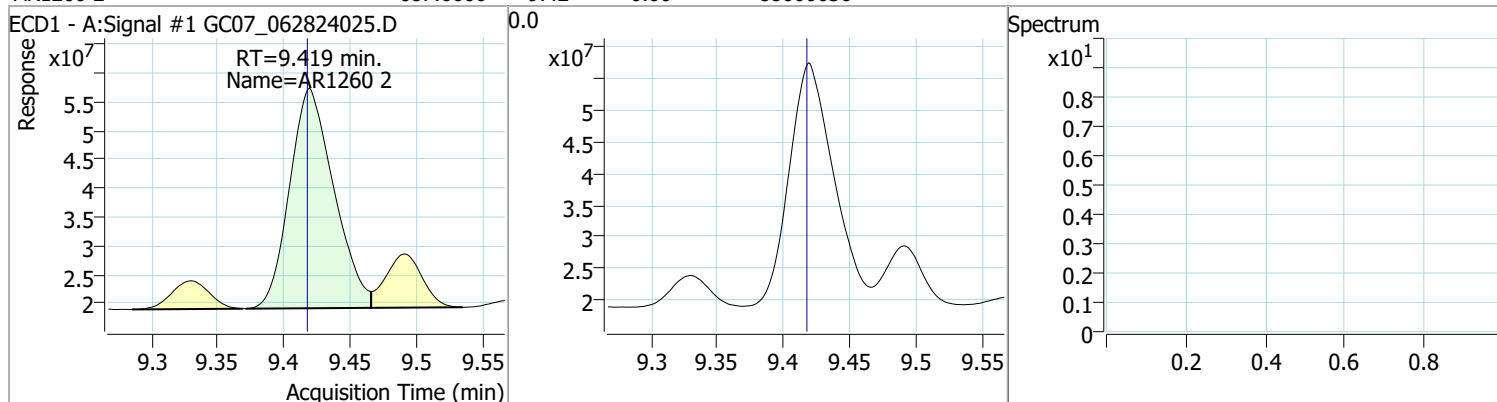


Quantitation Results Report (Not Reviewed)

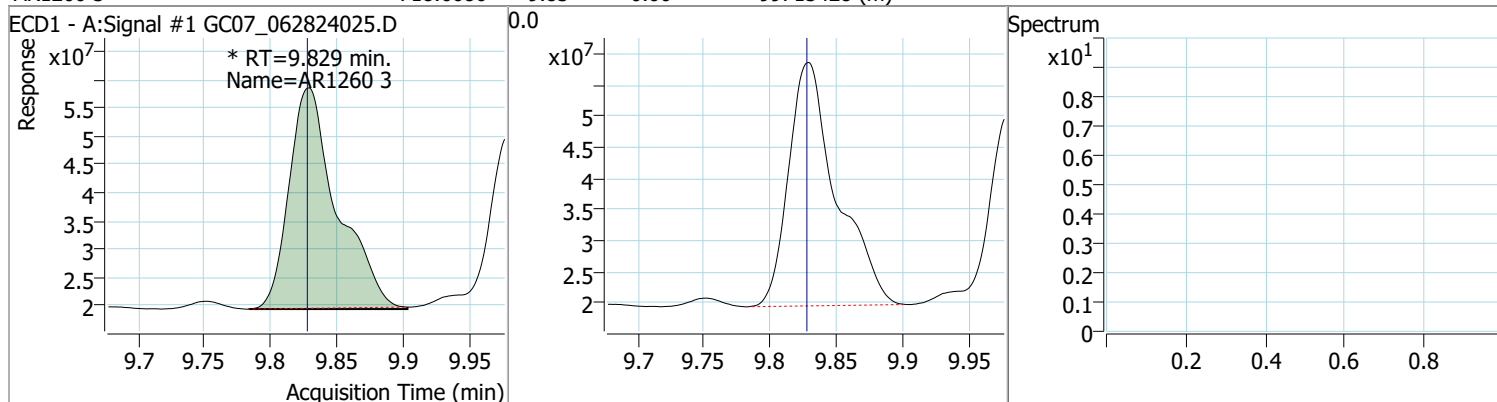
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	678.7522	8.97	0.00	57310265				



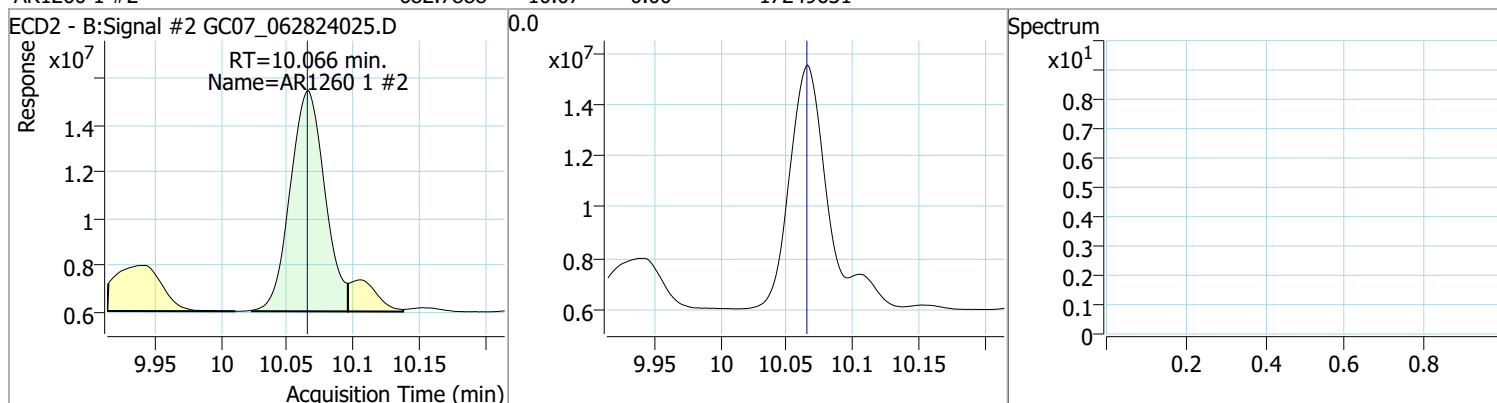
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	687.0600	9.42	0.00	88600636				



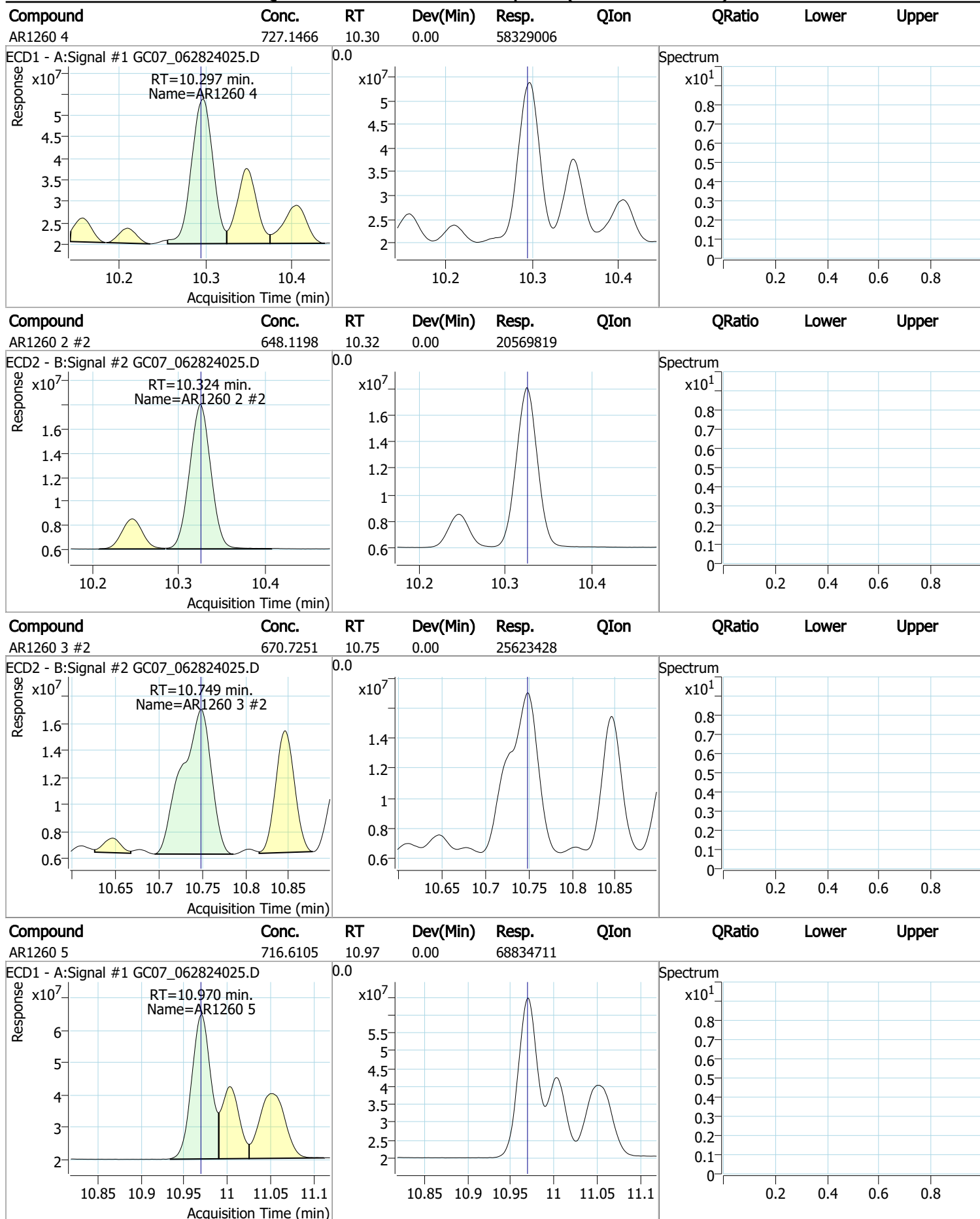
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	718.6686	9.83	0.00	99715428 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	682.7888	10.07	0.00	17249631				

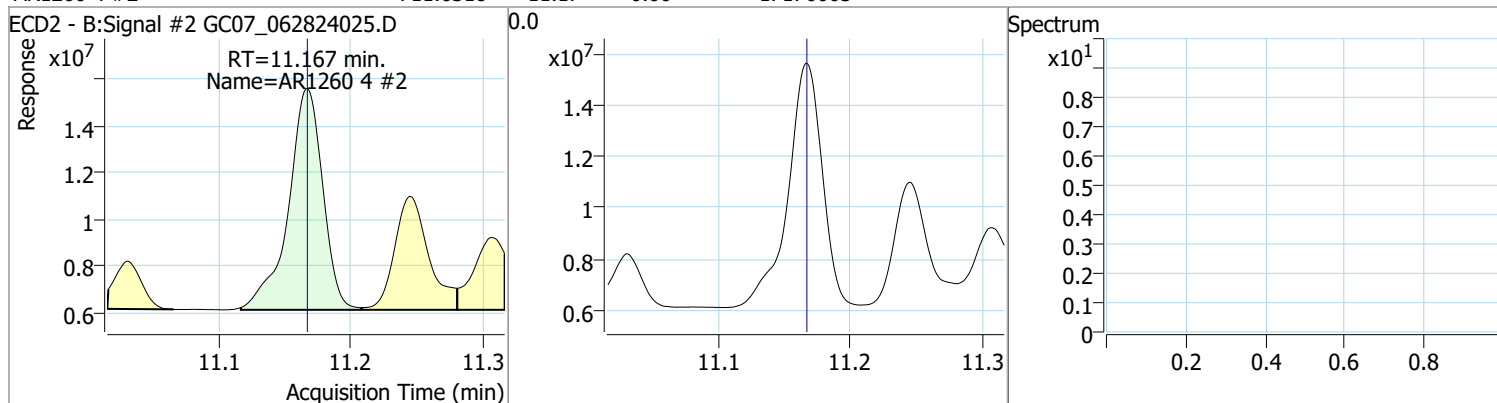


Quantitation Results Report (Not Reviewed)

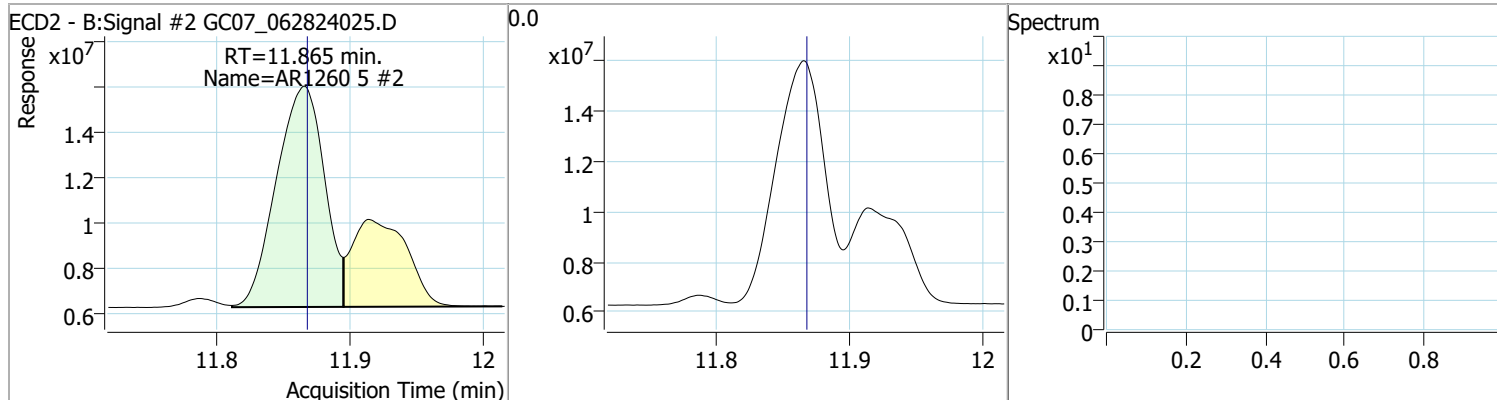


Quantitation Results Report (Not Reviewed)

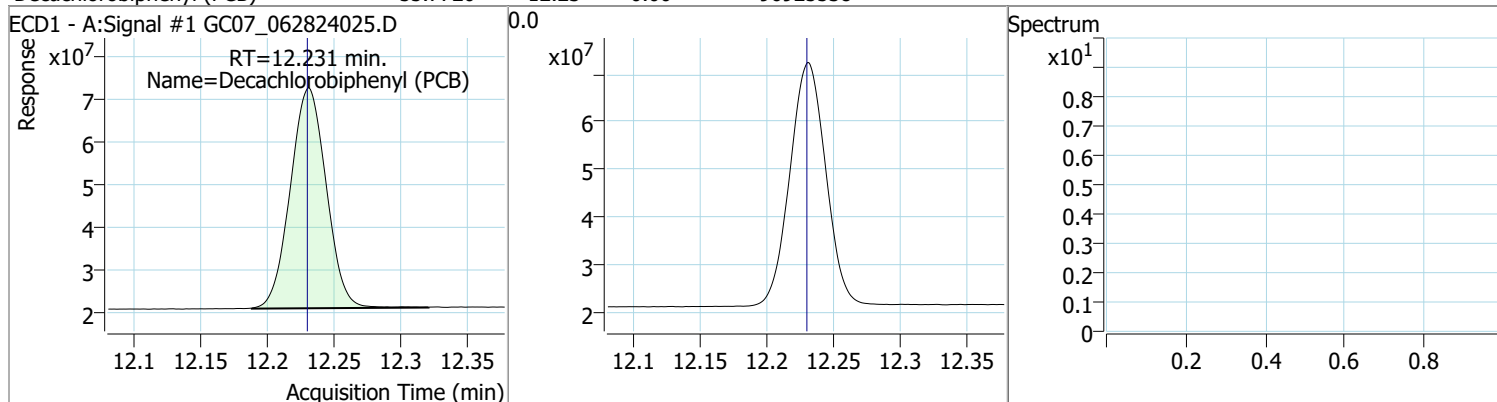
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	711.0318	11.17	0.00	17176003				



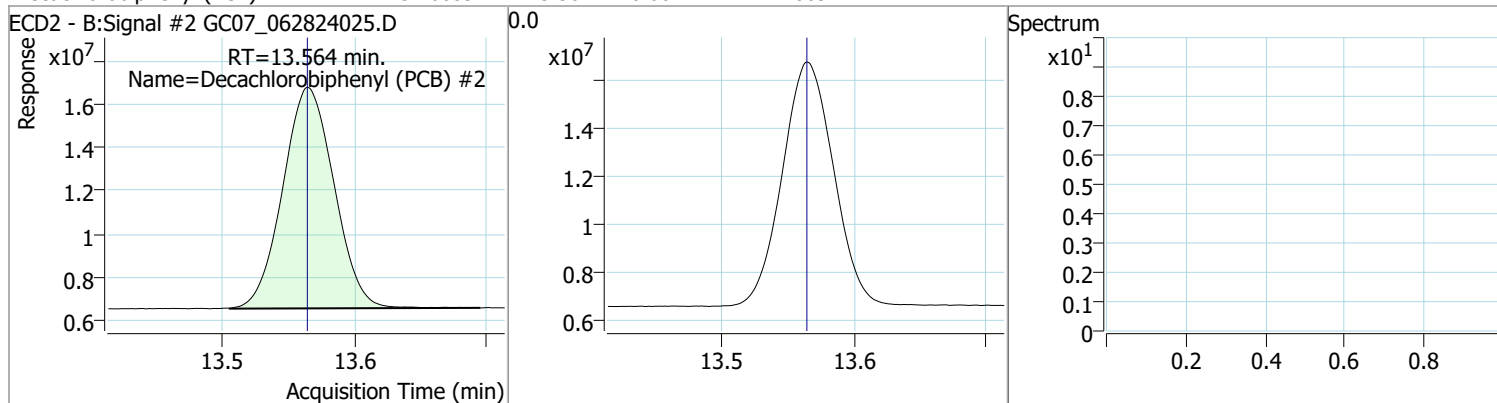
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	682.0165	11.87	0.00	24458564				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	55.7720	12.23	0.00	96925538				

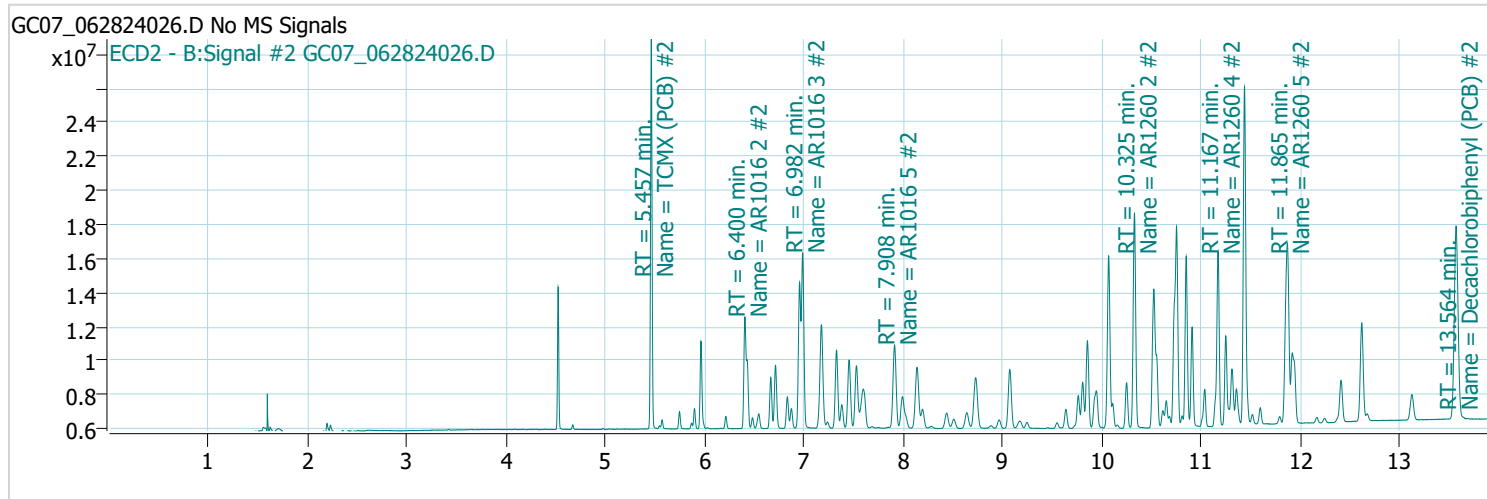
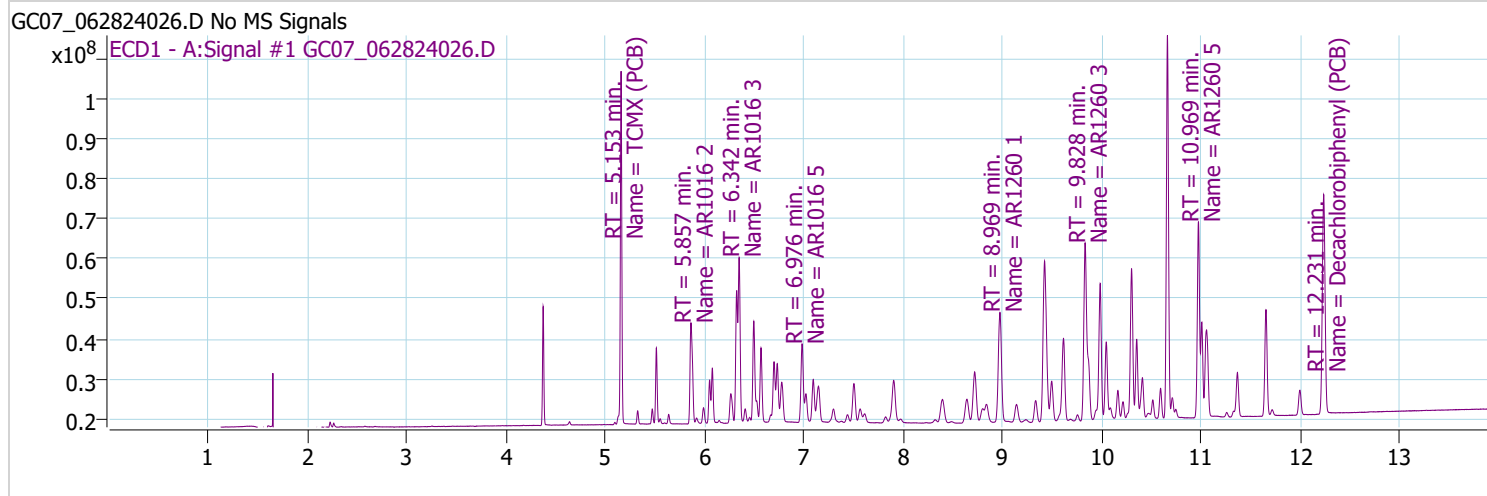


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.6059	13.56	0.00	27480914				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:48:13 PM
Sample Name	ICAL, S20889	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	27017088.241	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7490916.324	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	90492602.617	71.5018	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 357.51%	*	
S TCMX (PCB) #2	5.457	0.0	25164397.560	70.0370	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.18%	*	
S Decachlorobiphenyl (PCB)	12.231	0.0	106879257.653	71.7518	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 358.76%	*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	30482147.108	74.4867	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.43%	*	

Target Compounds

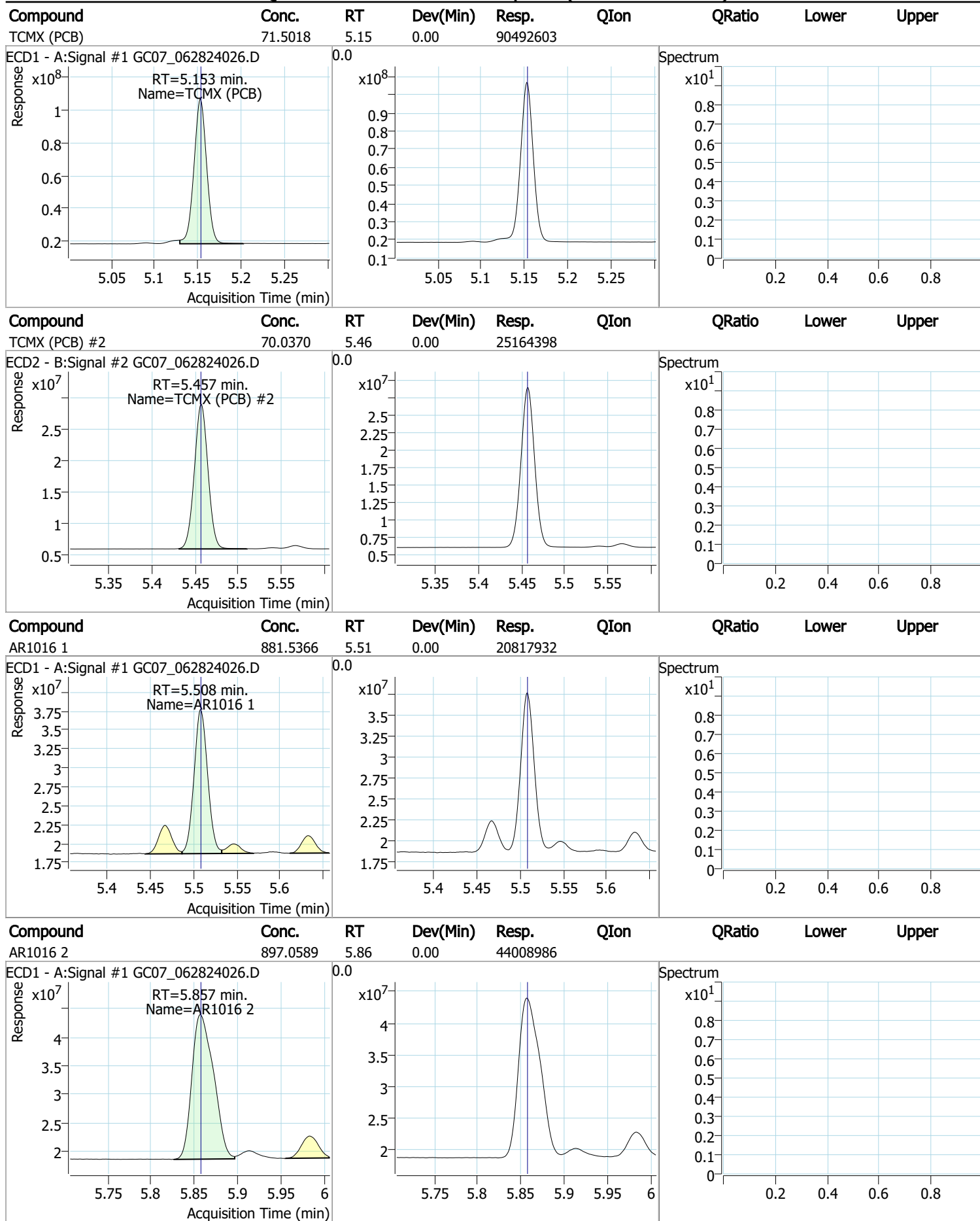
QValue

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	20817931.570	881.5366	ng/ml	100
T AR1016 2	5.857	0.0	44008986.093	897.0589	ng/ml	100
T AR1016 1 #2	5.958	0.0	6783093.230	857.6084	ng/ml	100
T AR1016 3	6.342	0.0	58055063.441	943.2282	ng/ml	100
T AR1016 2 #2	6.400	0.0	14433160.359	883.2391	ng/ml	100
T AR1016 4	6.490	0.0	36860975.814	897.9318	ng/ml m	100
T AR1016 5	6.976	0.0	32670578.049	905.4024	ng/ml	100
T AR1016 3 #2	6.982	0.0	17619837.490	864.5339	ng/ml	100
T AR1016 4 #2	7.171	0.0	13022775.878	864.3743	ng/ml	100
T AR1016 5 #2	7.908	0.0	10783865.235	884.9935	ng/ml	100
T AR1260 1	8.969	0.0	62257475.280	860.2643	ng/ml	100
T AR1260 2	9.419	0.0	96574670.327	873.7408	ng/ml	100
T AR1260 3	9.828	0.0	107868556.250	907.0323	ng/ml m	100
T AR1260 1 #2	10.064	0.0	18562011.107	856.5031	ng/ml	100
T AR1260 4	10.295	0.0	63669929.407	926.0476	ng/ml	100
T AR1260 2 #2	10.325	0.0	22137646.949	813.1181	ng/ml	100
T AR1260 3 #2	10.748	0.0	27748156.389	846.7180	ng/ml	100
T AR1260 5	10.969	0.0	76175016.781	925.2302	ng/ml	100
T AR1260 4 #2	11.167	0.0	18498356.429	892.6833	ng/ml	100
T AR1260 5 #2	11.865	0.0	26651576.006	866.3316	ng/ml	100

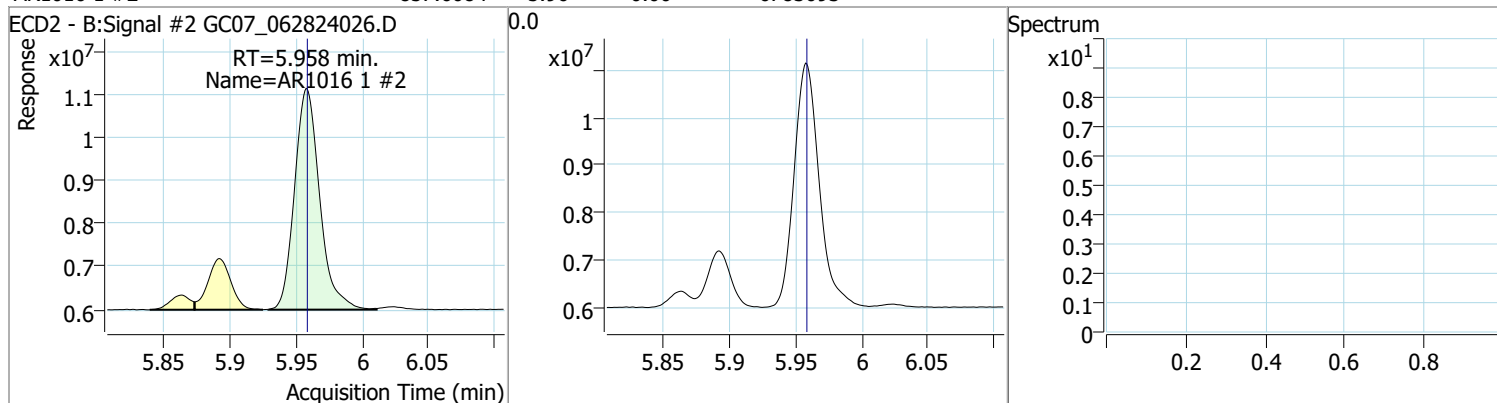
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

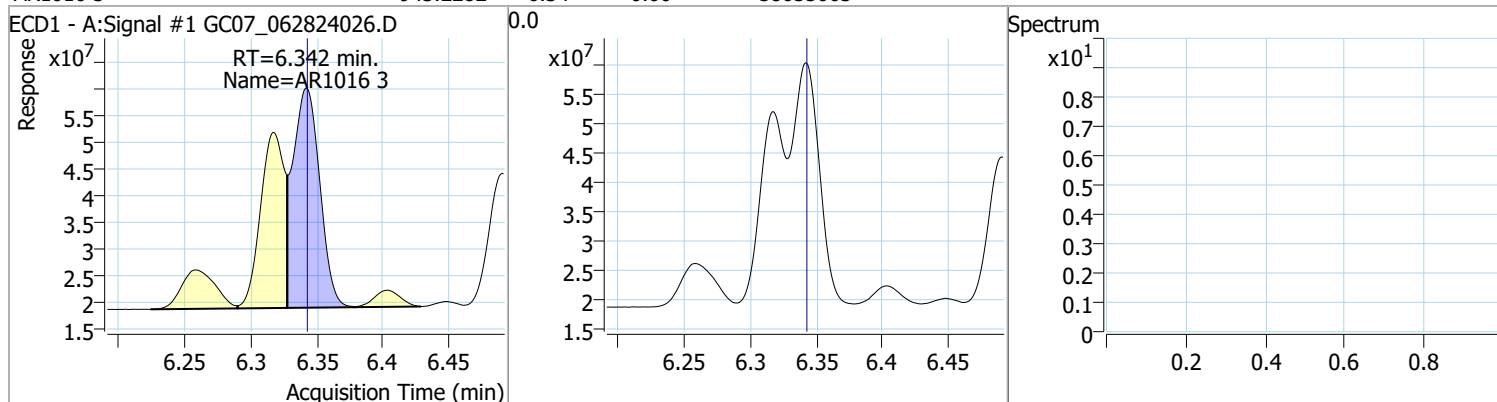


Quantitation Results Report (Not Reviewed)

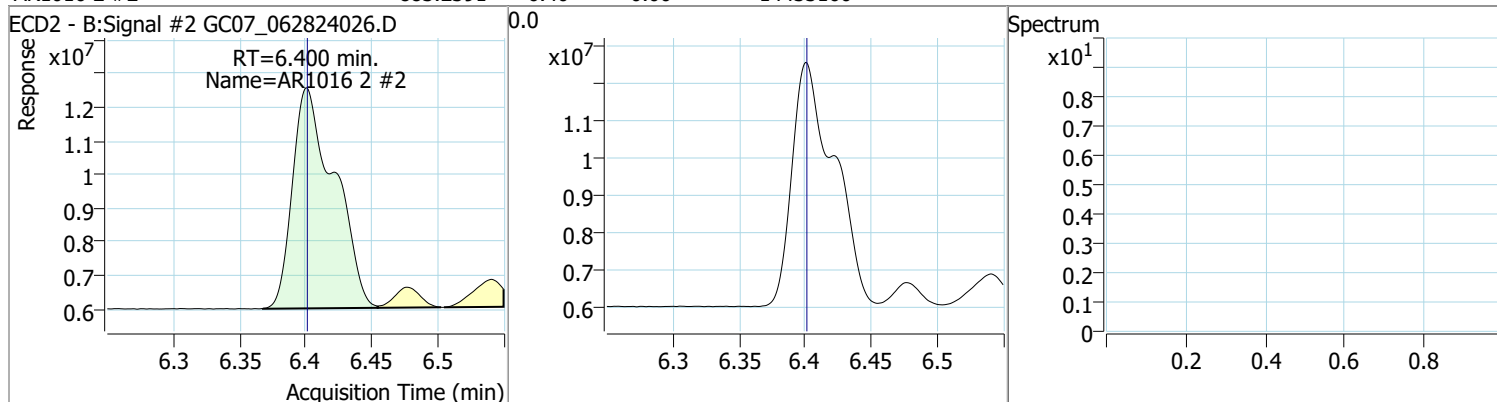
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	857.6084	5.96	0.00	6783093				



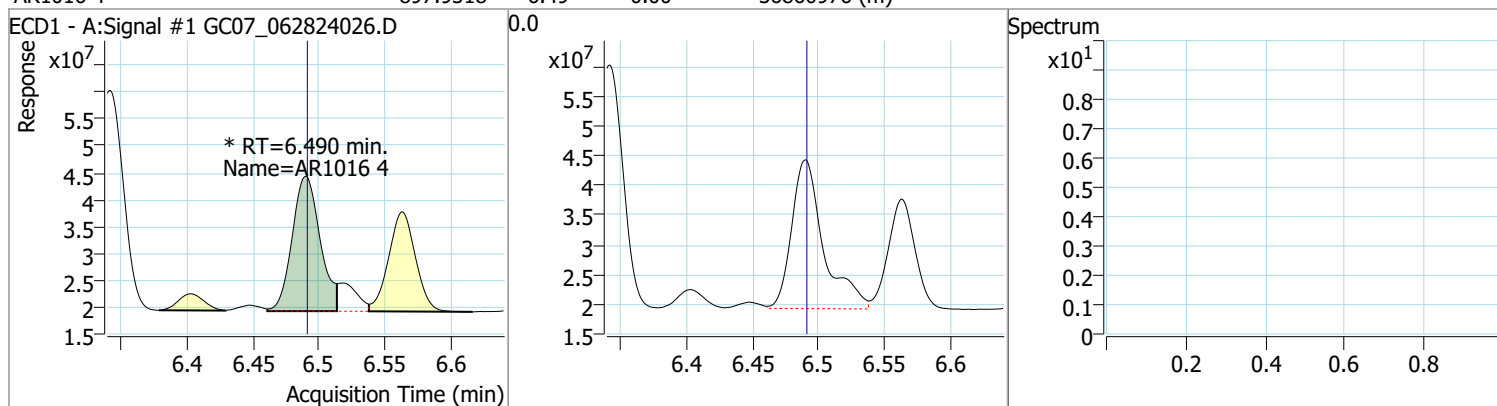
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	943.2282	6.34	0.00	58055063				



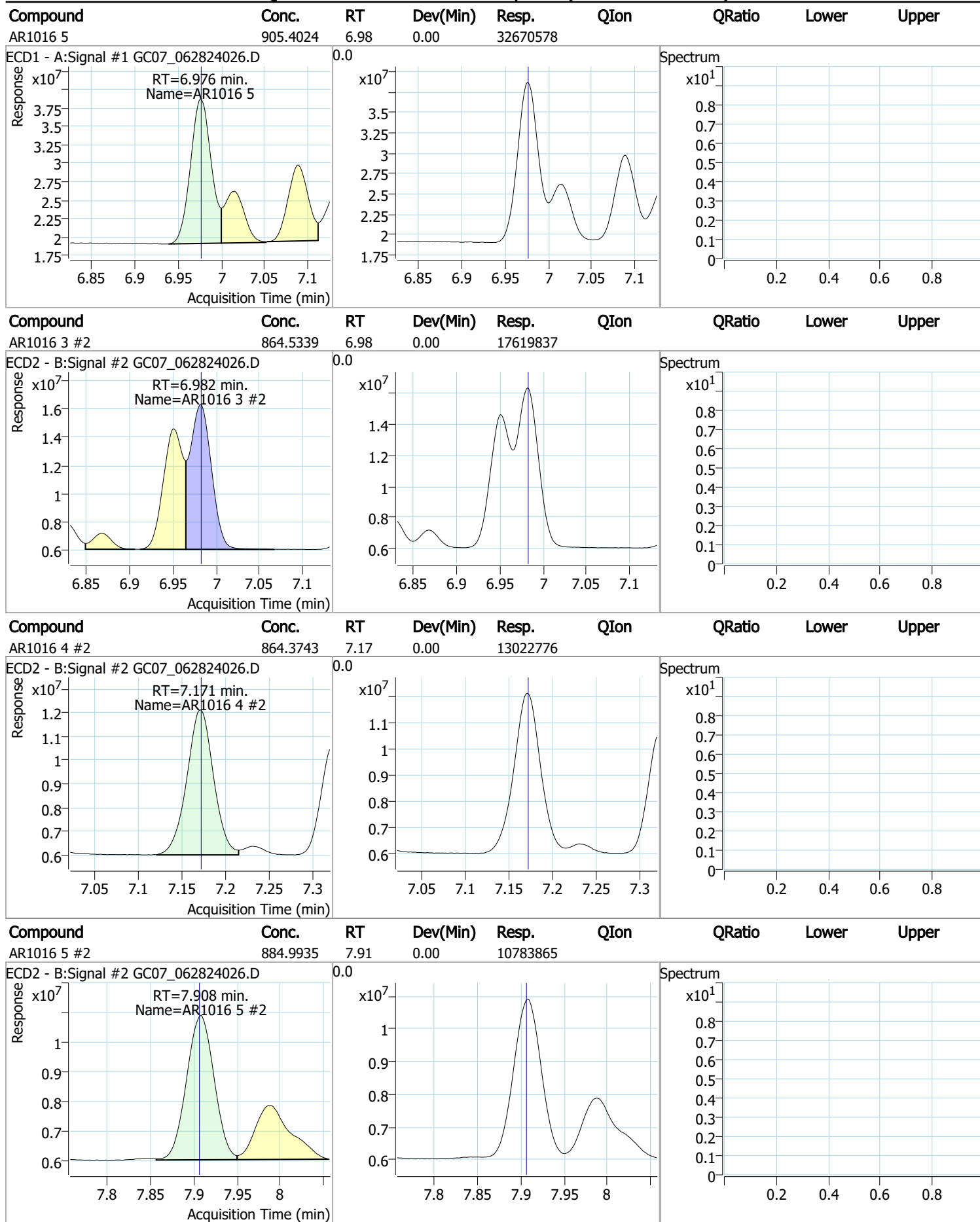
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	883.2391	6.40	0.00	14433160				



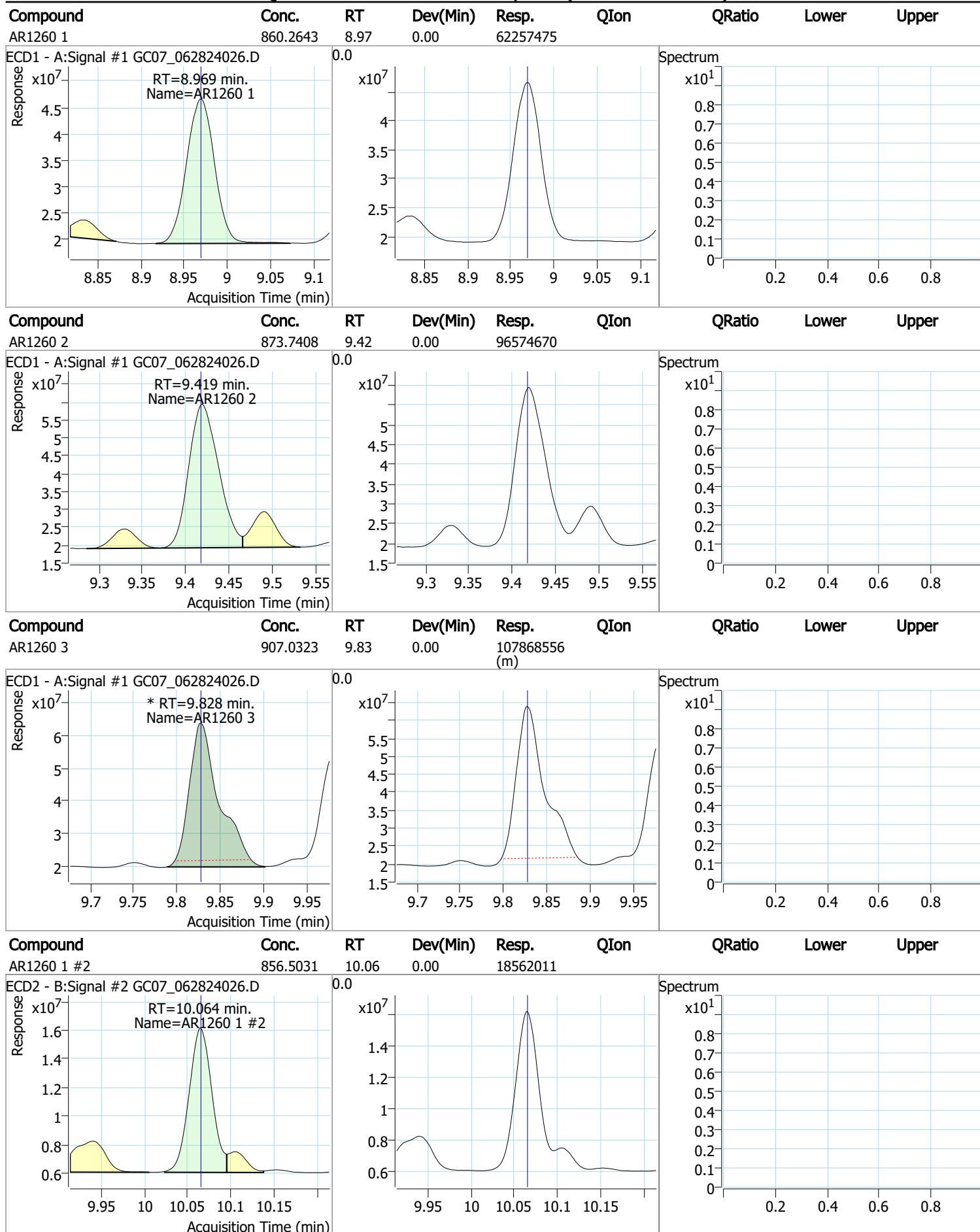
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	897.9318	6.49	0.00	36860976 (m)				



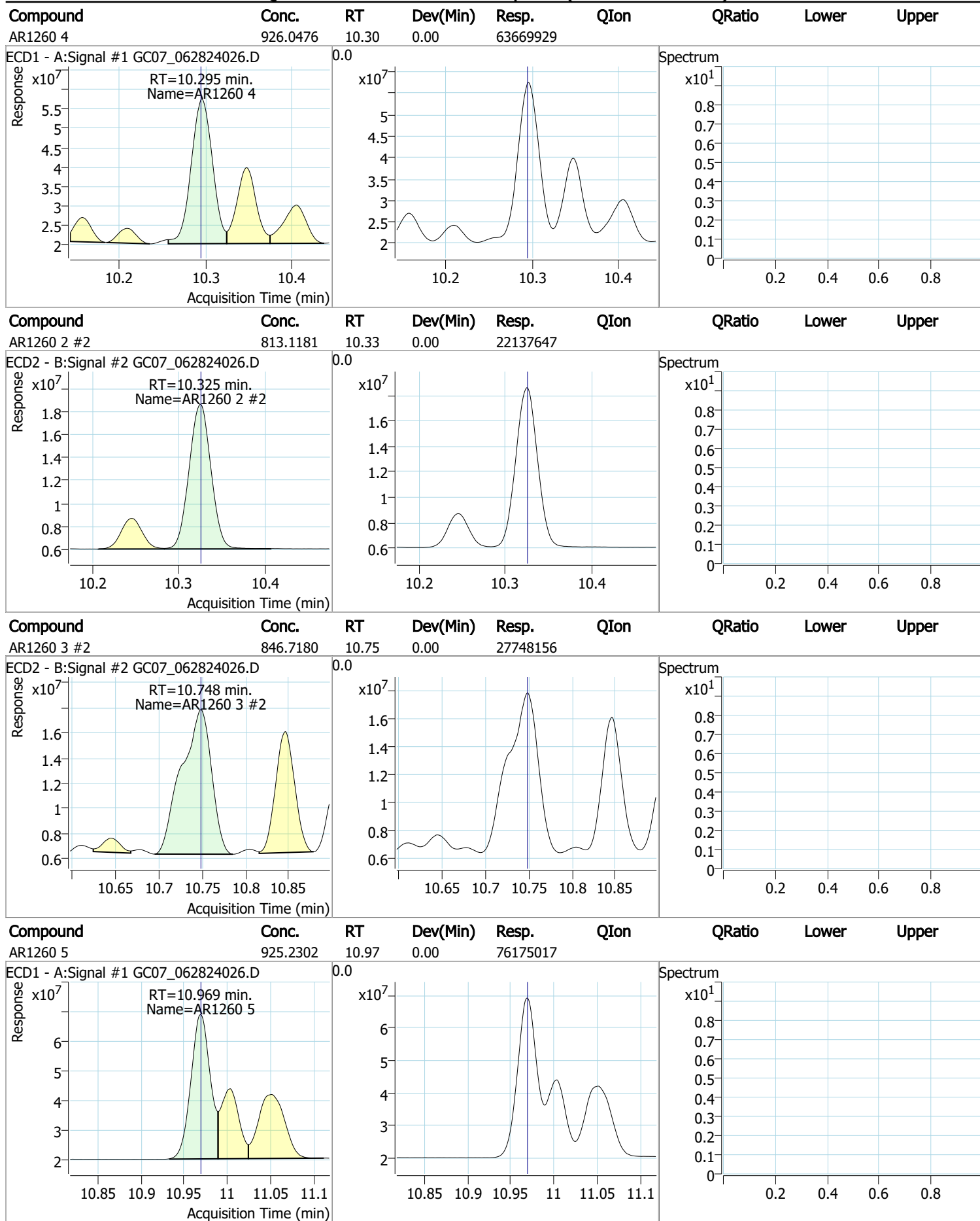
Quantitation Results Report (Not Reviewed)



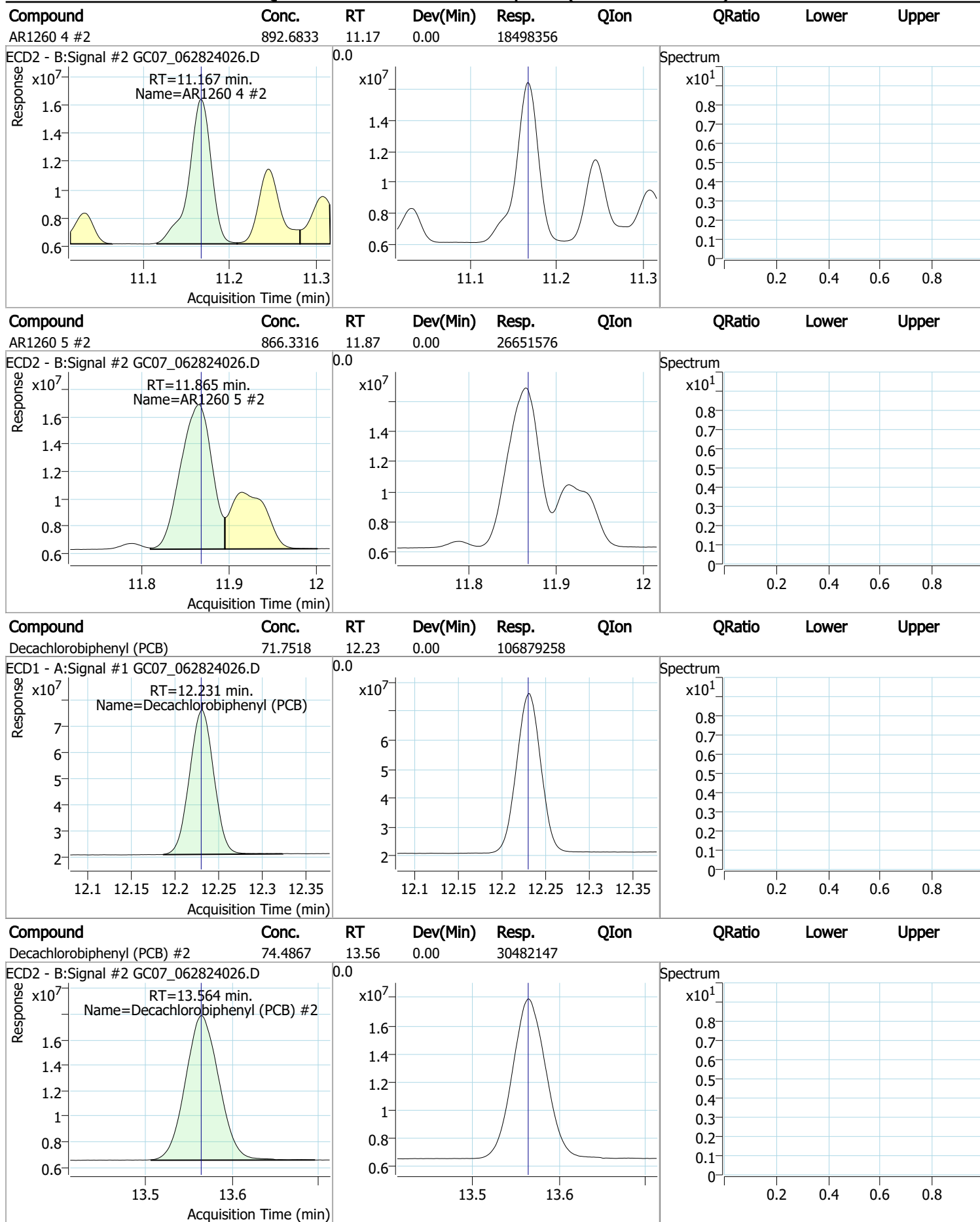
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



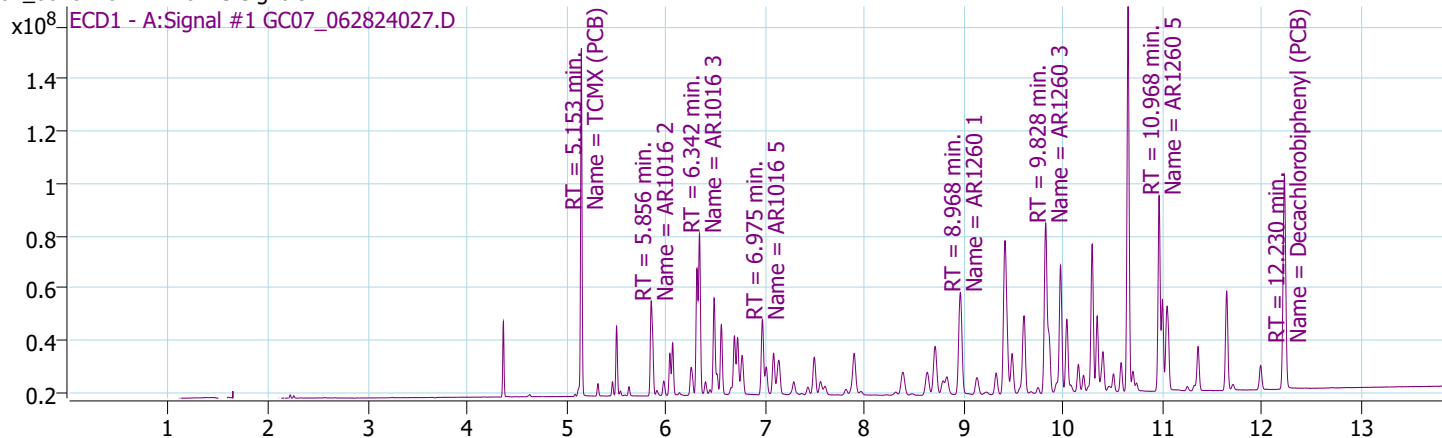
Quantitation Results Report (Not Reviewed)



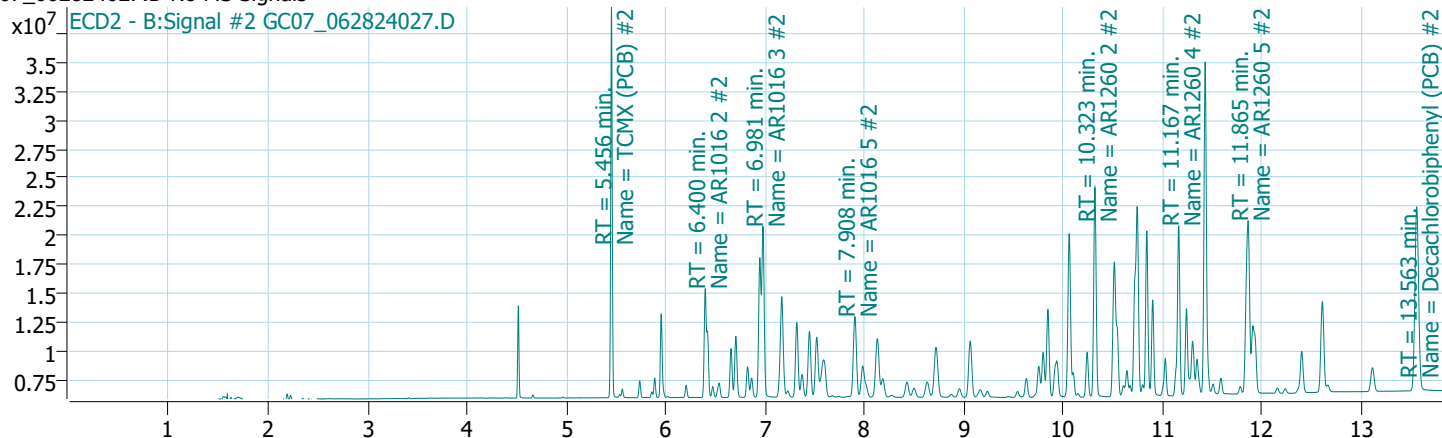
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:05:33 PM
Sample Name	ICAL, S20890	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824027.D No MS Signals



GC07_062824027.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	26211711.2 19	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7294805.70 1	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	135681797. 289	110.5015	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 552.51%	*	
S TCMX (PCB) #2	5.456	0.0	36723935.0 35	104.9569	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 524.78%	*	
S Decachlorobiphenyl (PCB)	12.230	0.0	155357729. 375	107.5017	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 537.51%	*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	42099380.5 79	105.6404	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.20%	*	

Target Compounds

QValue

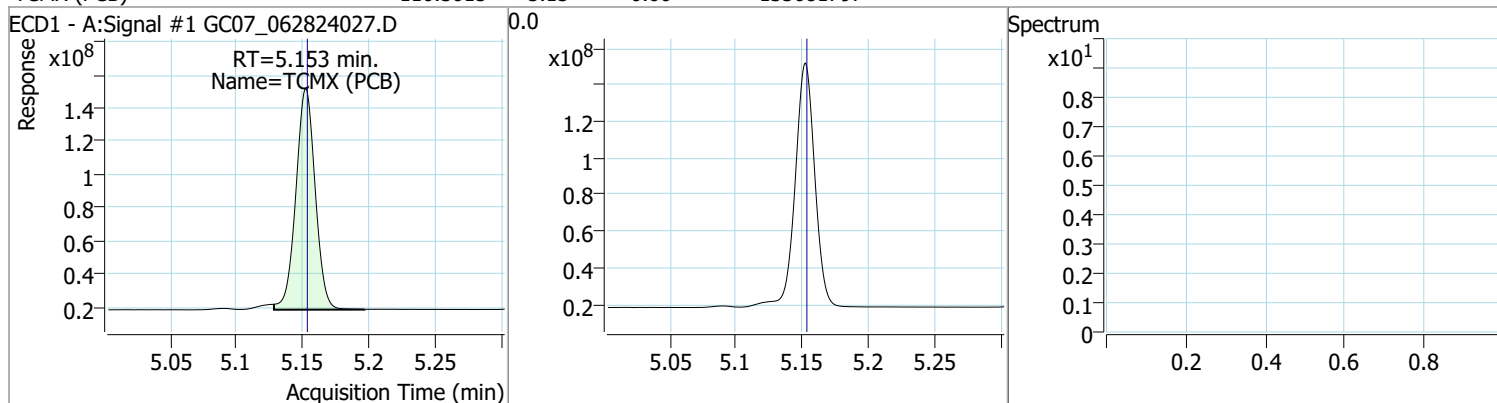
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	30104761.4 62	1313.9569	ng/ml	100
T AR1016 2	5.856	0.0	63081832.4 76	1325.3393	ng/ml	100
T AR1016 1 #2	5.957	0.0	9574280.61 7	1243.0500	ng/ml	100
T AR1016 3	6.342	0.0	85766826.8 01	1436.2802	ng/ml	100
T AR1016 2 #2	6.400	0.0	20333722.0 83	1277.7767	ng/ml	100
T AR1016 4	6.489	0.0	53404058.9 41	1340.8925	ng/ml m	100
T AR1016 5	6.975	0.0	47712618.7 99	1362.8914	ng/ml	100
T AR1016 3 #2	6.981	0.0	24950565.9 90	1257.1344	ng/ml	100
T AR1016 4 #2	7.171	0.0	18481664.7 33	1259.6810	ng/ml	100
T AR1016 5 #2	7.908	0.0	15343346.4 63	1293.0250	ng/ml	100
T AR1260 1	8.968	0.0	91727497.7 94	1306.4208	ng/ml	100
T AR1260 2	9.418	0.0	141892353. 087	1323.1879	ng/ml	100
T AR1260 3	9.828	0.0	160895089. 250	1394.4850	ng/ml m	100
T AR1260 1 #2	10.064	0.0	26442213.4 66	1252.9188	ng/ml	100
T AR1260 4	10.295	0.0	94070300.3 16	1410.2453	ng/ml	100
T AR1260 2 #2	10.323	0.0	31331561.1 57	1181.7495	ng/ml	100
T AR1260 3 #2	10.748	0.0	39486596.9 92	1237.3016	ng/ml	100
T AR1260 5	10.968	0.0	111423646. 768	1394.9472	ng/ml	100
T AR1260 4 #2	11.167	0.0	25930171.0 03	1284.9637	ng/ml	100
T AR1260 5 #2	11.865	0.0	37619666.2 49	1255.7334	ng/ml	100

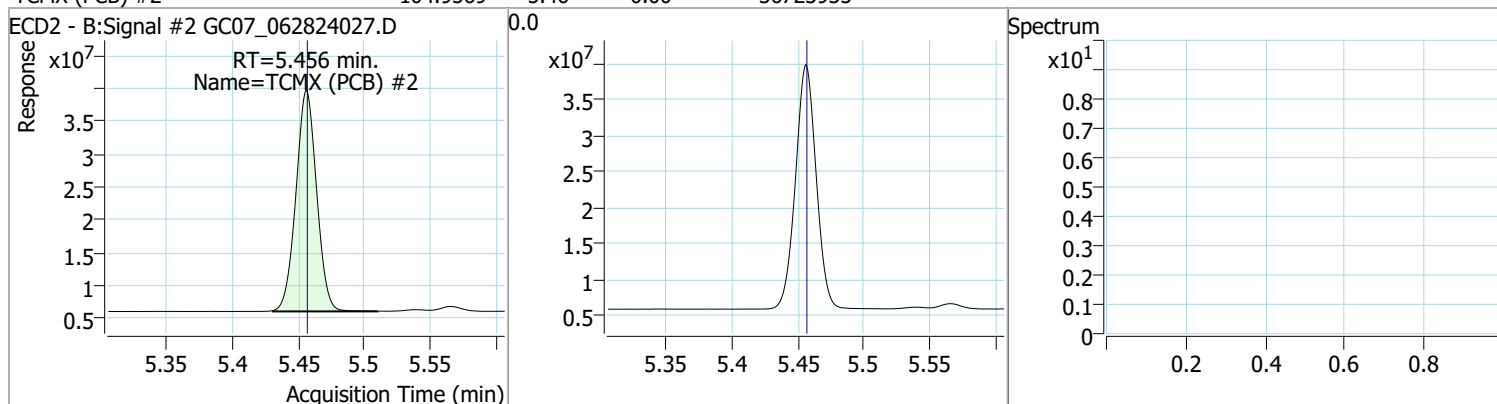
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

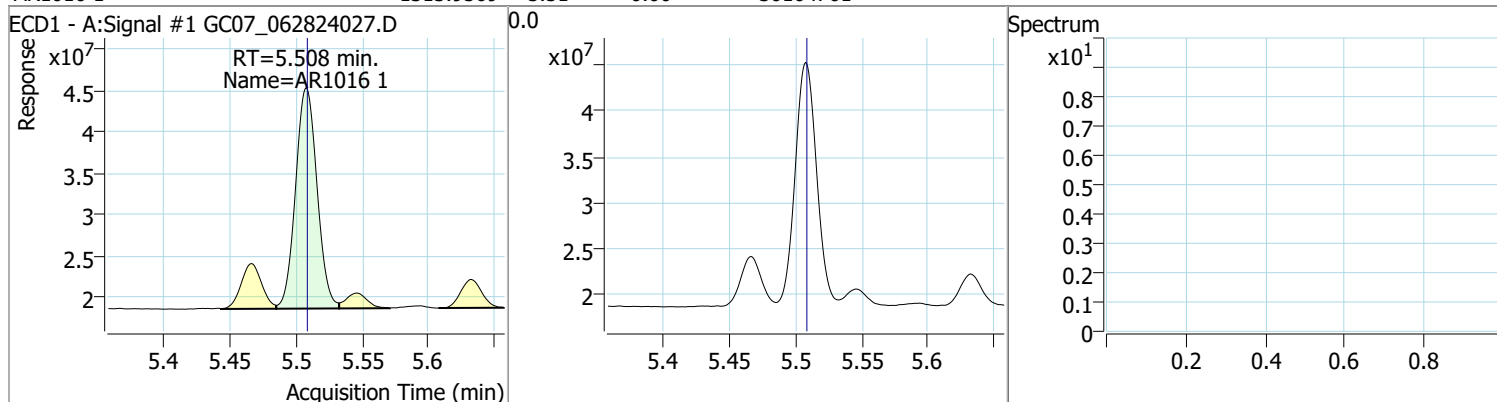
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	110.5015	5.15	0.00	135681797				



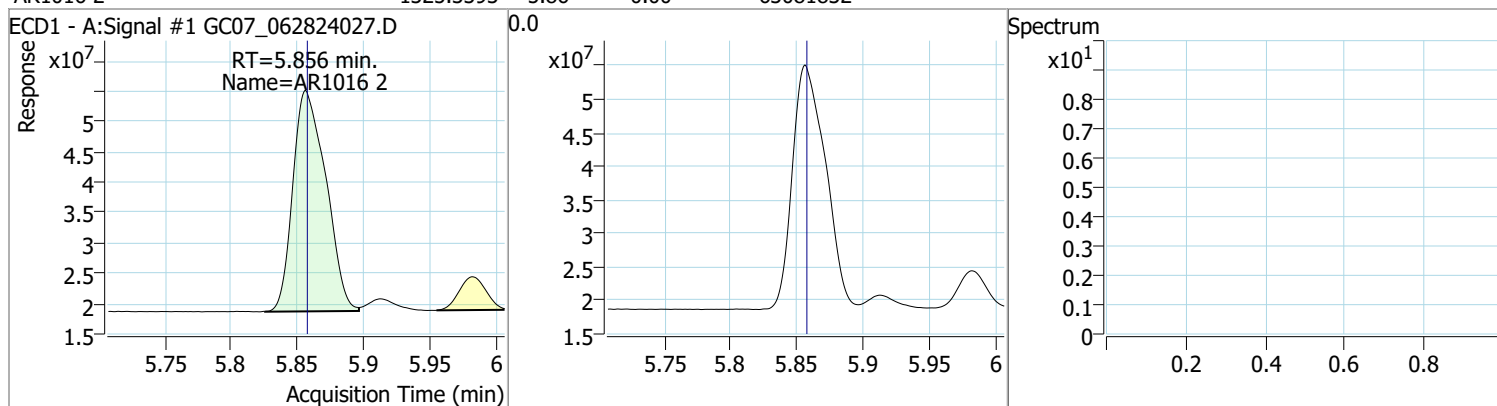
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	104.9569	5.46	0.00	36723935				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1313.9569	5.51	0.00	30104761				

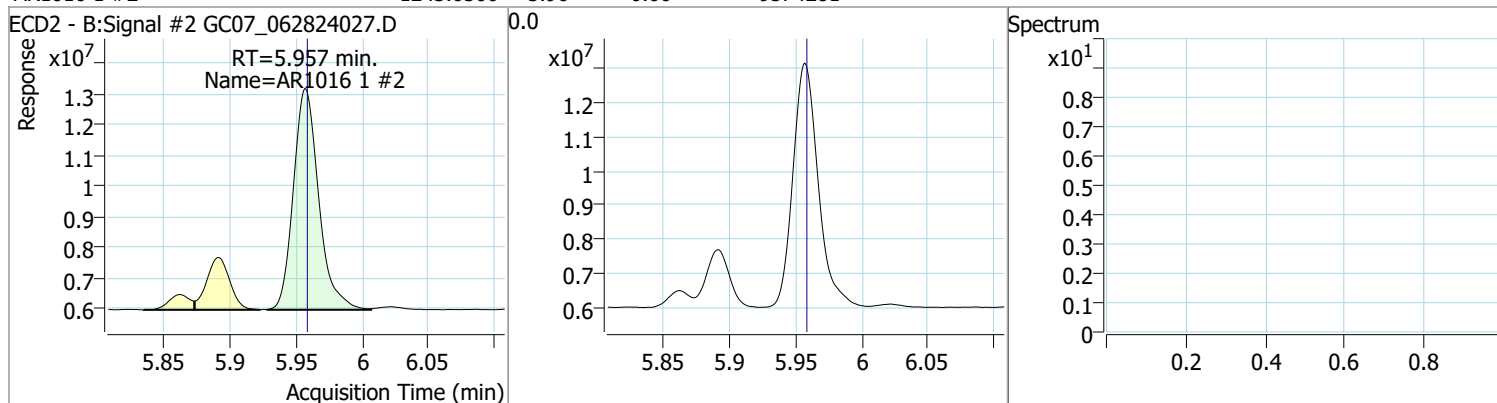


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1325.3393	5.86	0.00	63081832				

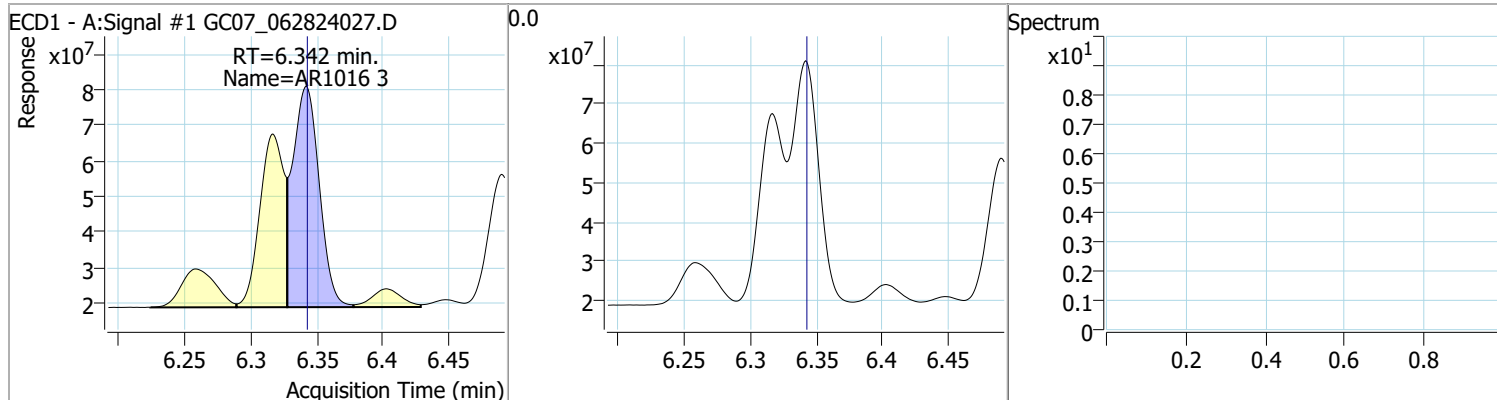


Quantitation Results Report (Not Reviewed)

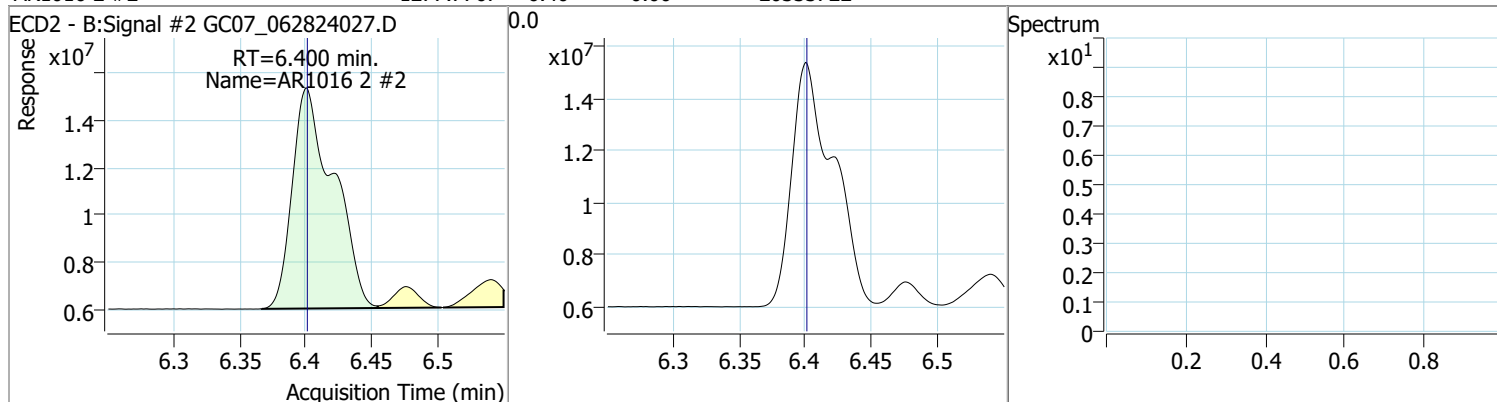
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1243.0500	5.96	0.00	9574281				



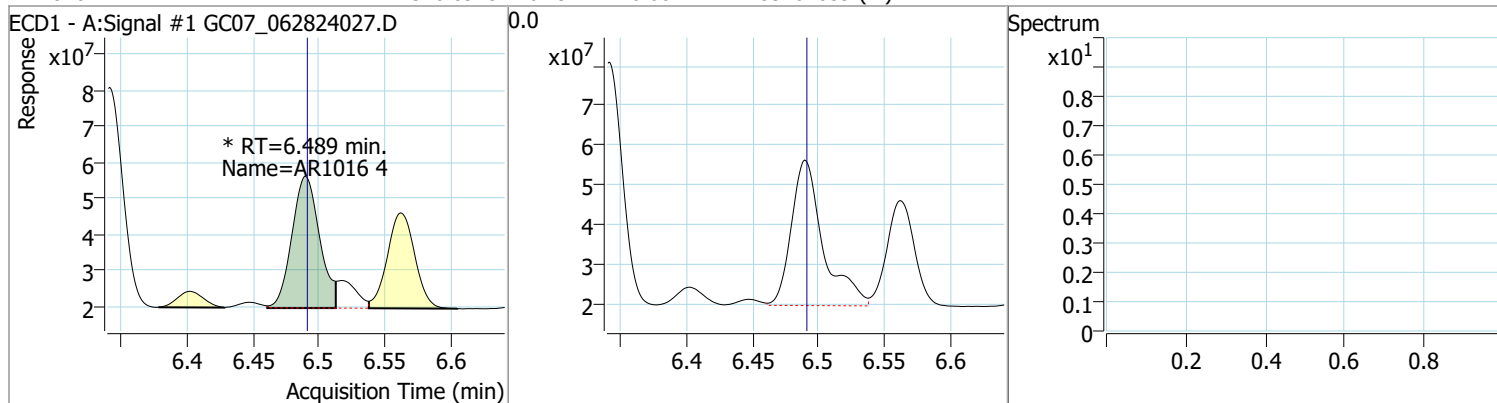
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1436.2802	6.34	0.00	85766827				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1277.7767	6.40	0.00	20333722				

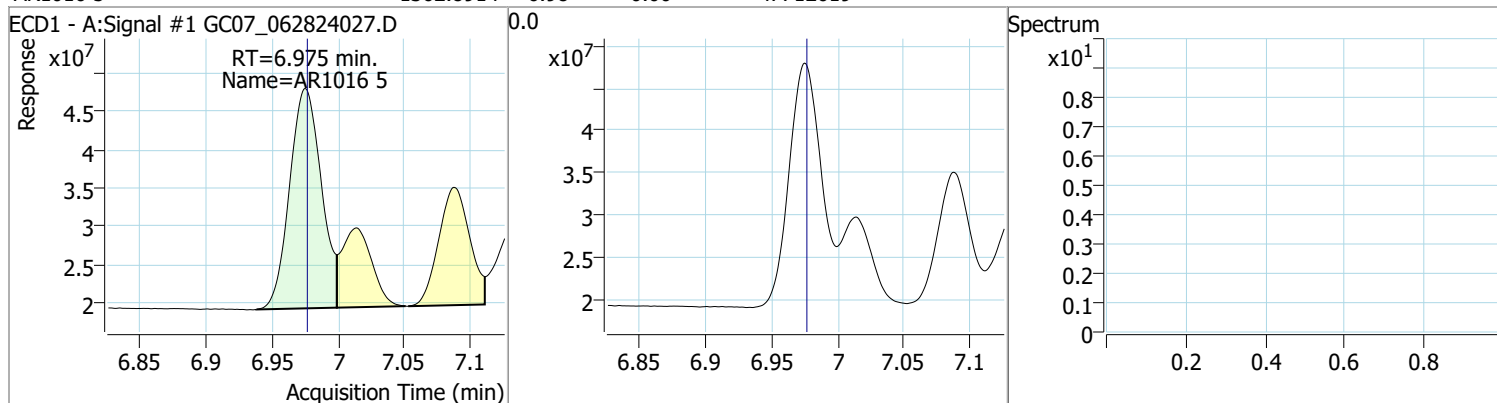


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1340.8925	6.49	0.00	53404059 (m)				

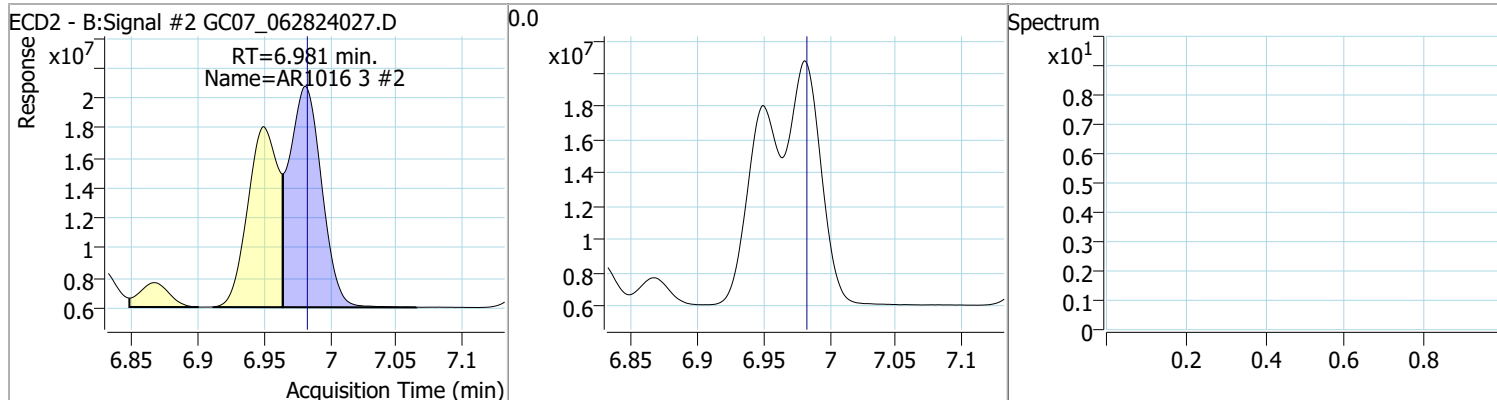


Quantitation Results Report (Not Reviewed)

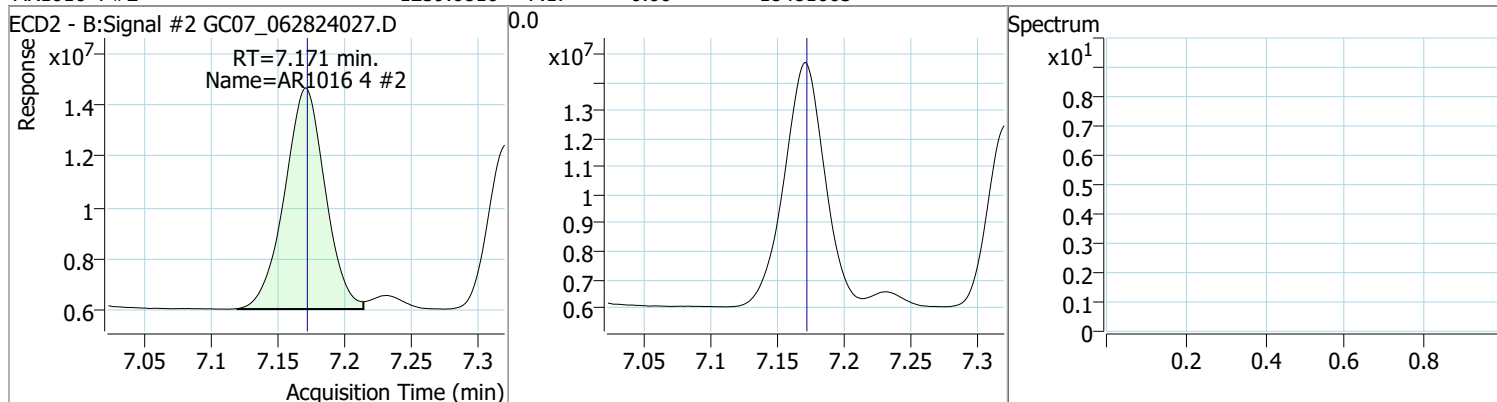
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1362.8914	6.98	0.00	47712619				



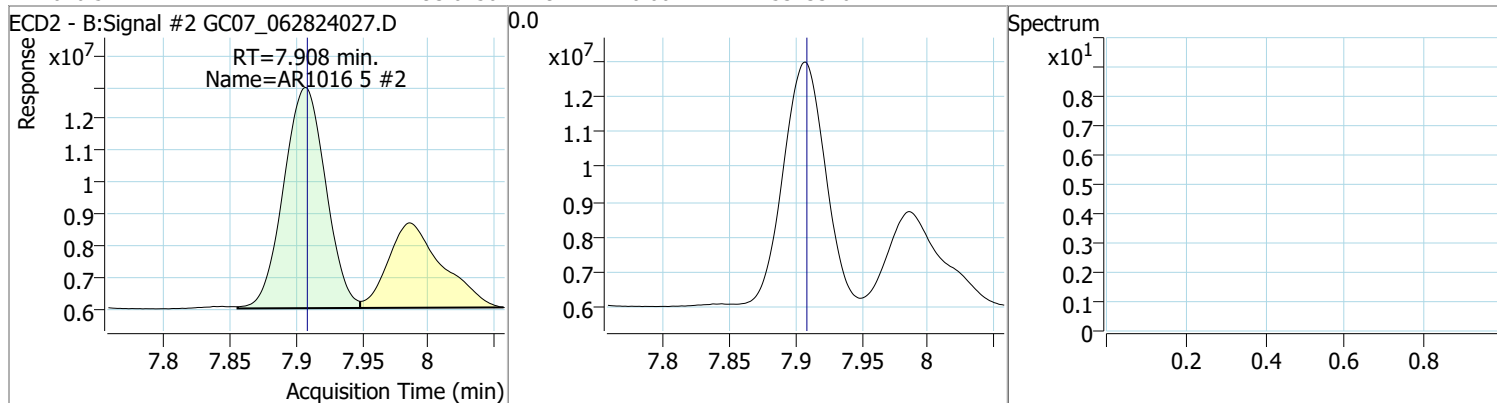
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1257.1344	6.98	0.00	24950566				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1259.6810	7.17	0.00	18481665				

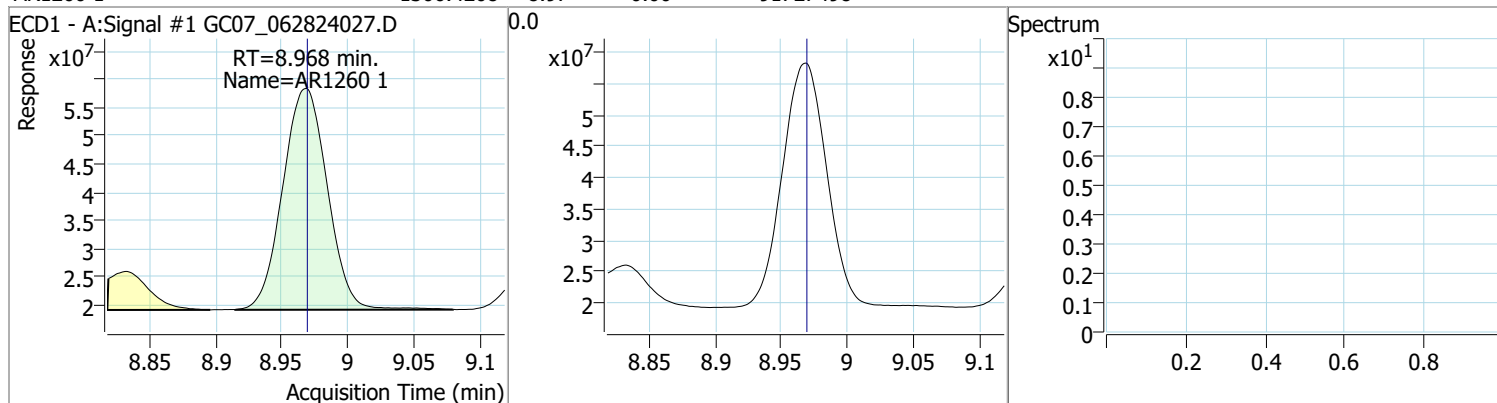


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1293.0250	7.91	0.00	15343346				

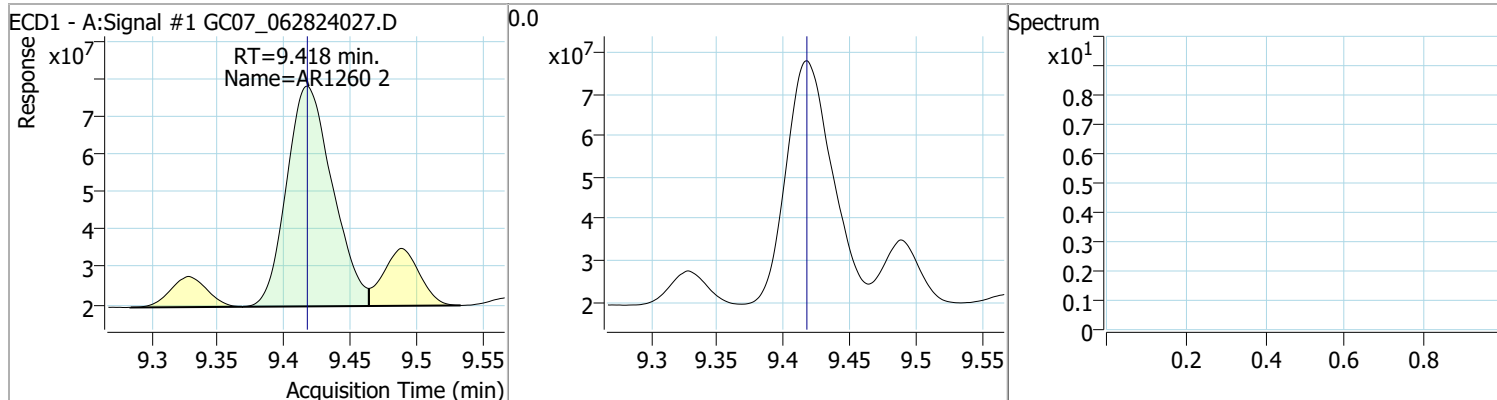


Quantitation Results Report (Not Reviewed)

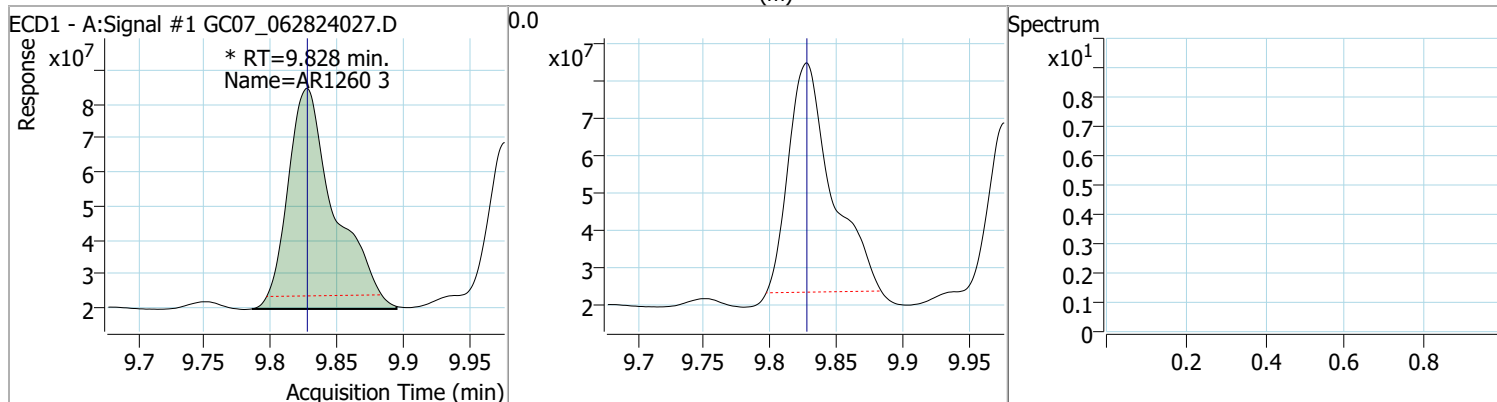
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1306.4208	8.97	0.00	91727498				



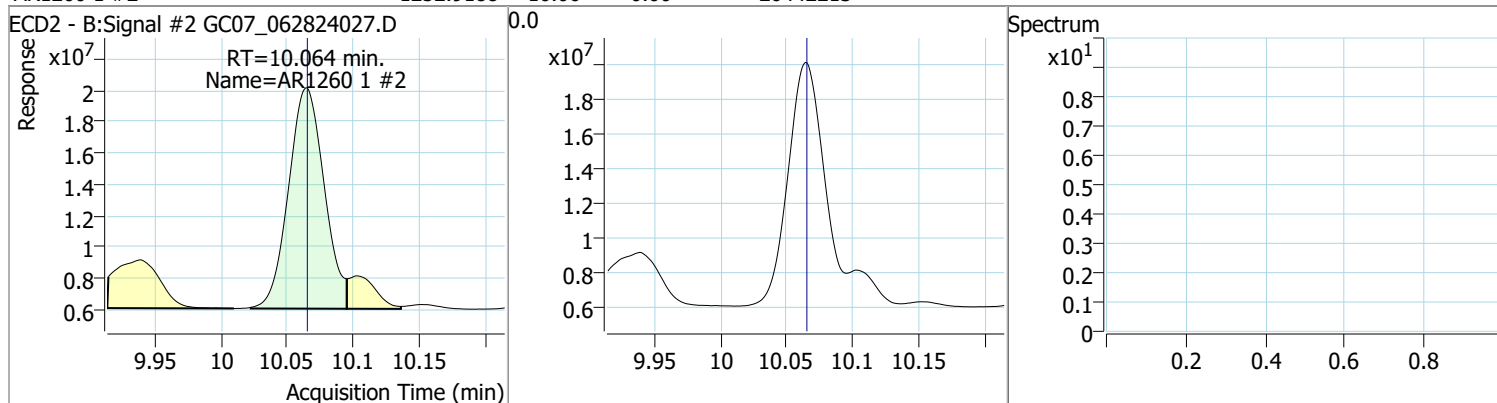
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1323.1879	9.42	0.00	141892353				



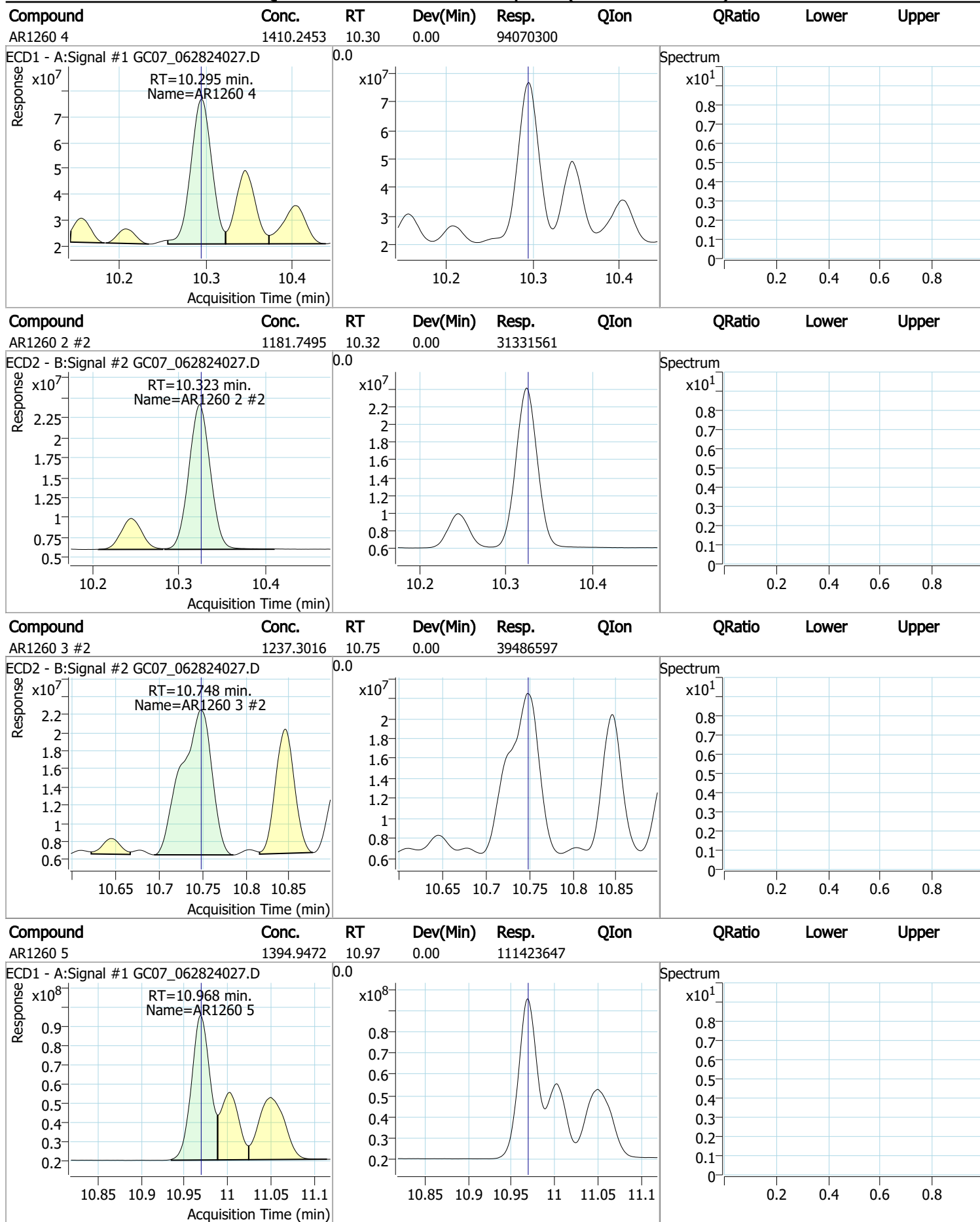
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1394.4850	9.83	0.00	160895089 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1252.9188	10.06	0.00	26442213				

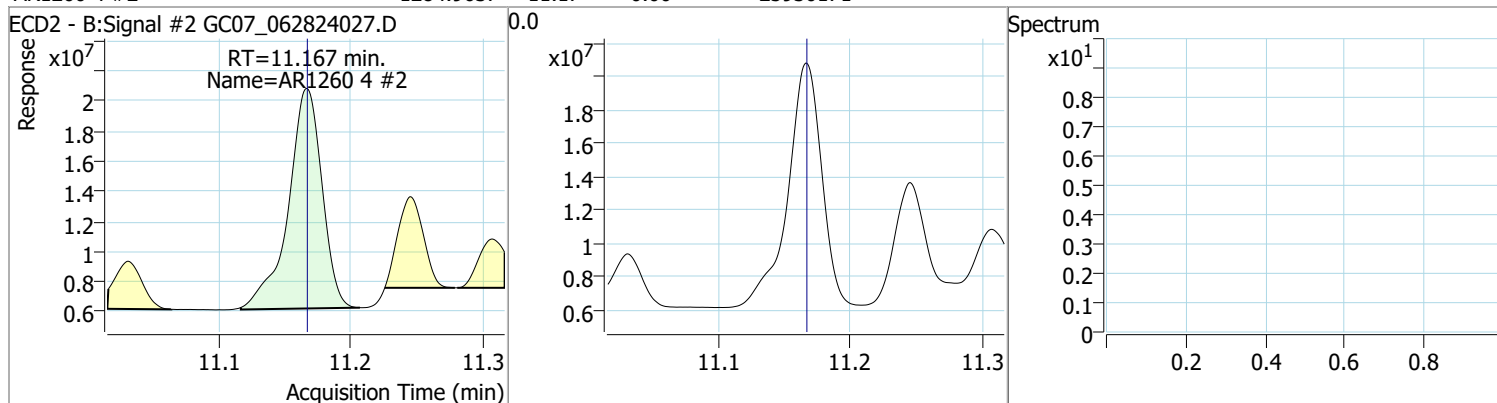


Quantitation Results Report (Not Reviewed)

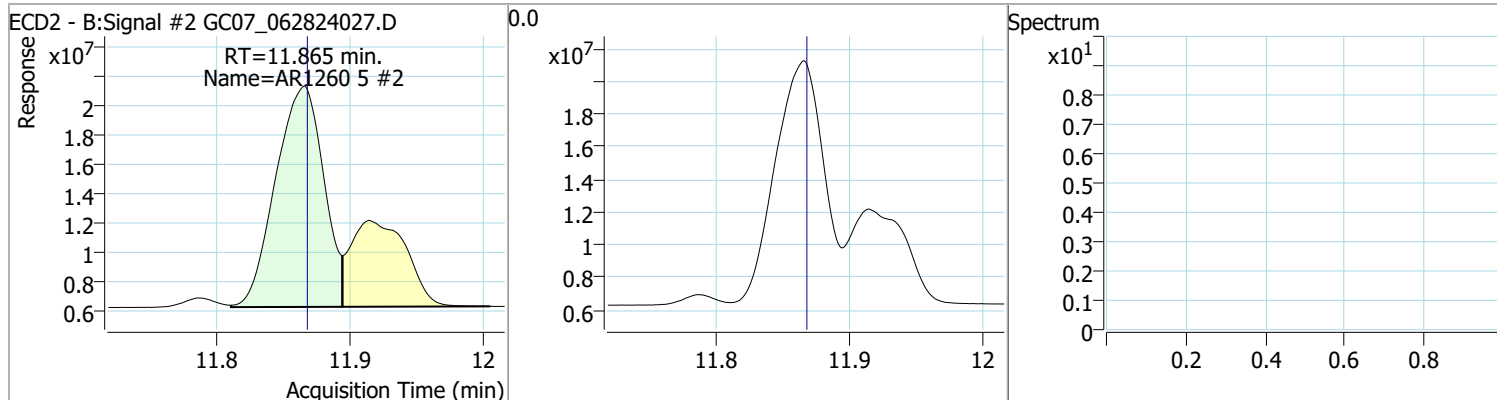


Quantitation Results Report (Not Reviewed)

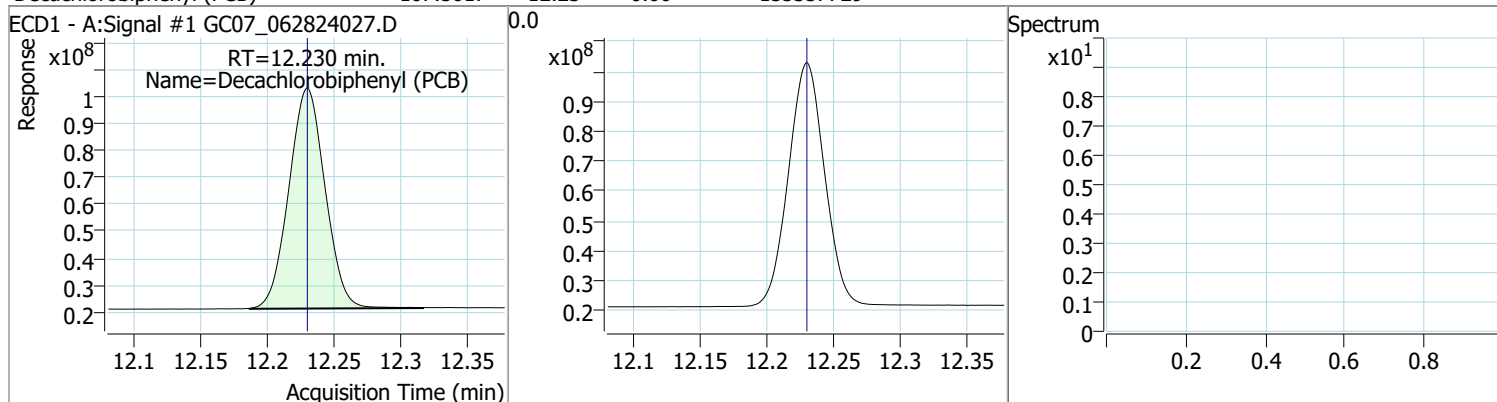
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1284.9637	11.17	0.00	25930171				



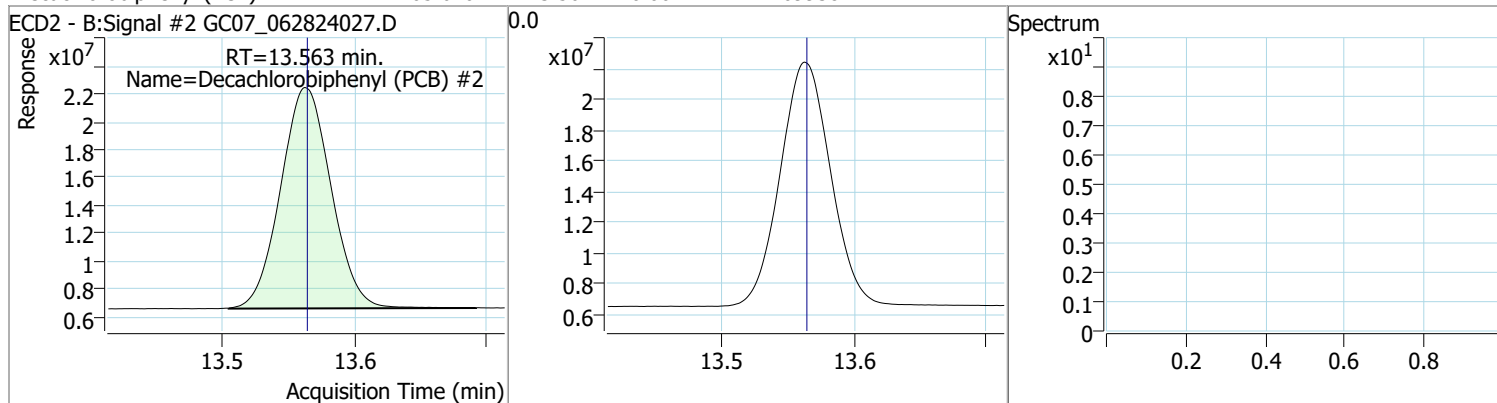
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1255.7334	11.87	0.00	37619666				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	107.5017	12.23	0.00	155357729				



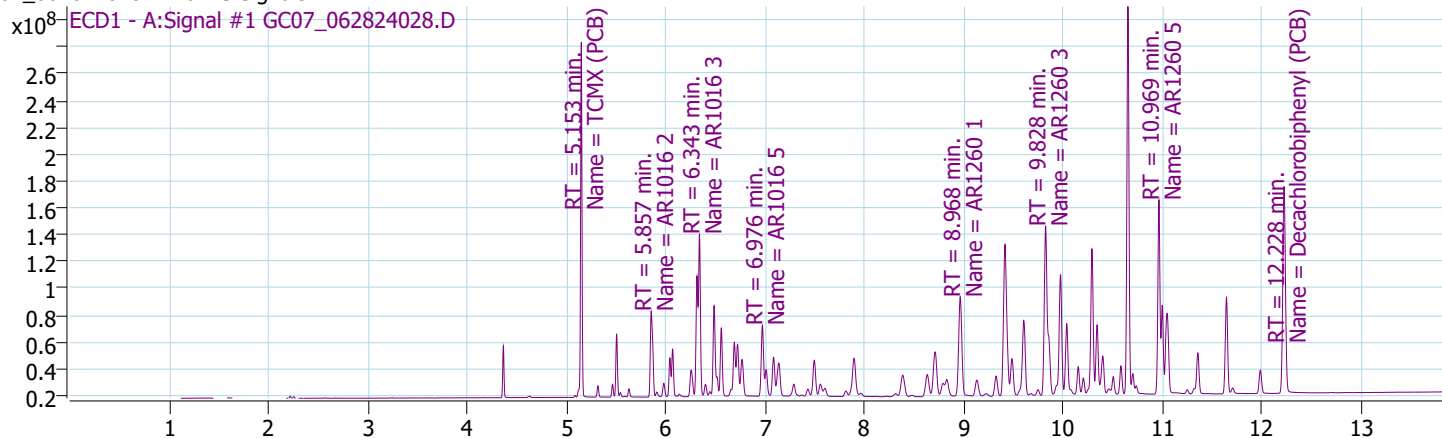
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.6404	13.56	0.00	42099381				



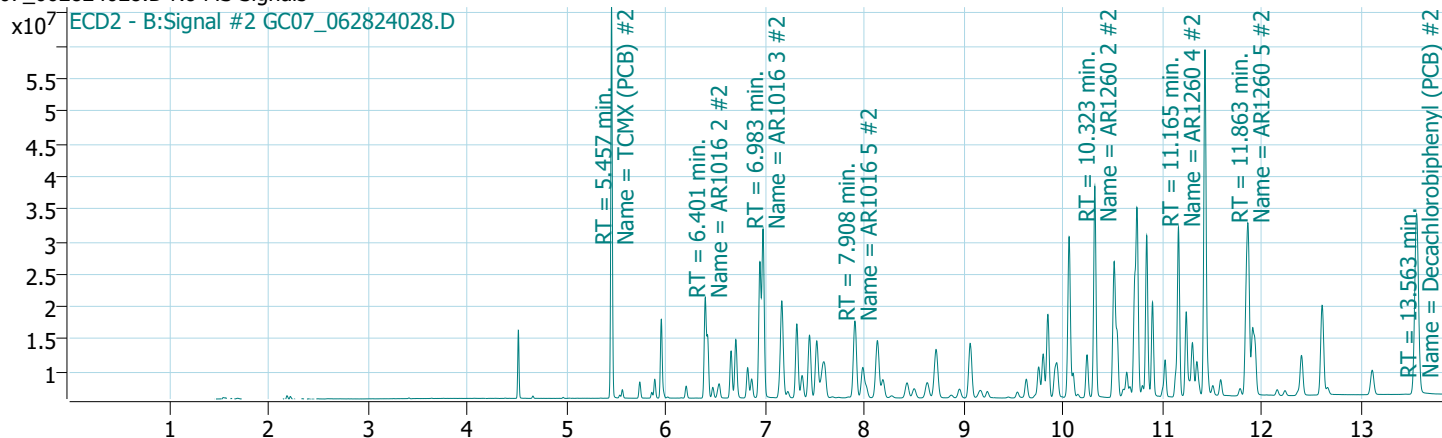
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:22:59 PM
Sample Name	ICAL, S20891	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824028.D No MS Signals



GC07_062824028.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	35141495.0 53	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9716811.52 4	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	260526258. 805	158.2608	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 791.30%	*	
S TCMX (PCB) #2	5.457	0.0	66022527.8 86	141.6590	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 708.29%	*	
S Decachlorobiphenyl (PCB)	12.228	0.0	295093471. 364	152.3061	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 761.53%	*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	75083389.4 29	141.4452	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 707.23%	*	

Target Compounds

QValue

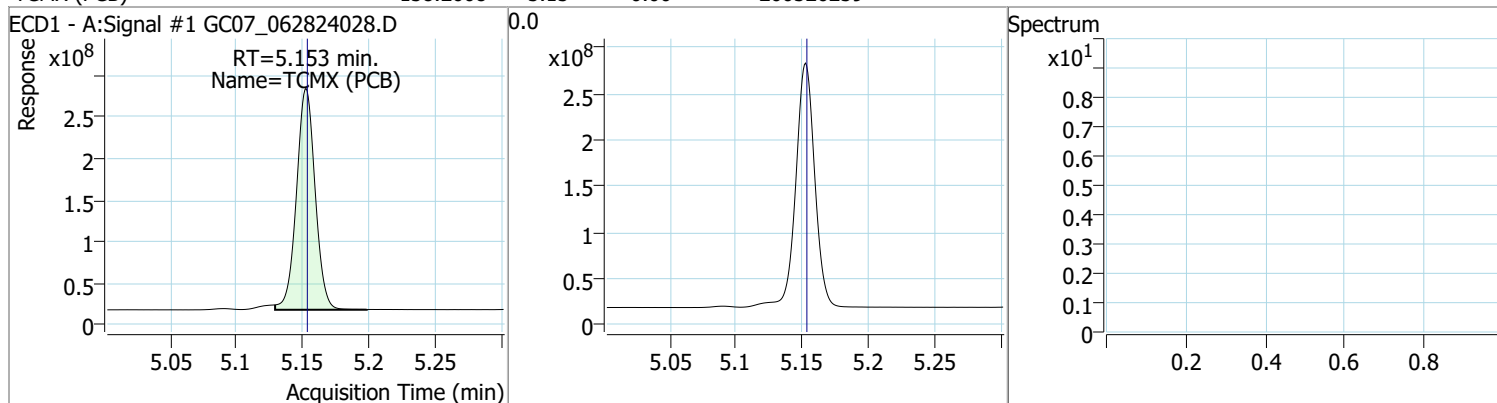
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	52797819.7 65	1718.8463	ng/ml	100
T AR1016 2	5.857	0.0	111345883. 541	1744.9062	ng/ml	100
T AR1016 1 #2	5.958	0.0	16229620.4 65	1581.9063	ng/ml	100
T AR1016 3	6.343	0.0	158970350. 988	1985.6885	ng/ml m	100
T AR1016 2 #2	6.401	0.0	34600333.7 01	1632.3314	ng/ml	100
T AR1016 4	6.490	0.0	98962762.1 06	1853.3892	ng/ml m	100
T AR1016 5	6.976	0.0	87157456.9 64	1856.9819	ng/ml	100
T AR1016 3 #2	6.983	0.0	43534275.0 09	1646.7307	ng/ml	100
T AR1016 4 #2	7.171	0.0	31722770.5 02	1623.2318	ng/ml	100
T AR1016 5 #2	7.908	0.0	26389484.2 66	1669.5818	ng/ml	100
T AR1260 1	8.968	0.0	163694033. 664	1738.9678	ng/ml	100
T AR1260 2	9.419	0.0	262121139. 076	1823.2227	ng/ml	100
T AR1260 3	9.828	0.0	300188552. 398	1940.6192	ng/ml	100
T AR1260 1 #2	10.064	0.0	45427087.5 47	1615.9576	ng/ml	100
T AR1260 4	10.294	0.0	177019455. 562	1979.4214	ng/ml	100
T AR1260 2 #2	10.323	0.0	54314494.7 49	1537.9743	ng/ml	100
T AR1260 3 #2	10.747	0.0	68953559.5 13	1622.0809	ng/ml	100
T AR1260 5	10.969	0.0	212918830. 025	1988.2437	ng/ml	100
T AR1260 4 #2	11.165	0.0	46064500.5 54	1713.7276	ng/ml	100
T AR1260 5 #2	11.863	0.0	66563997.7 77	1668.0607	ng/ml	100

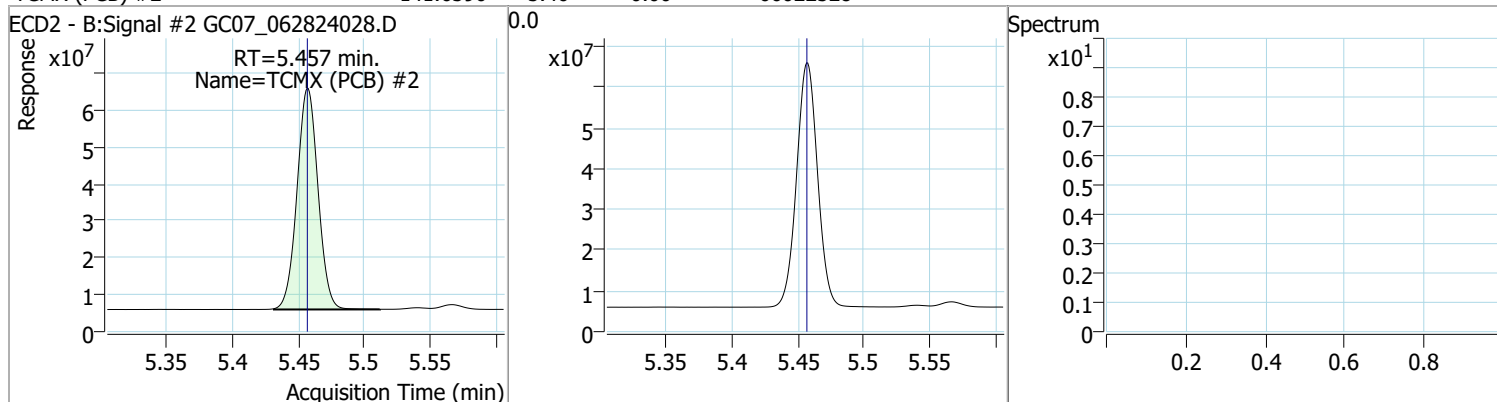
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

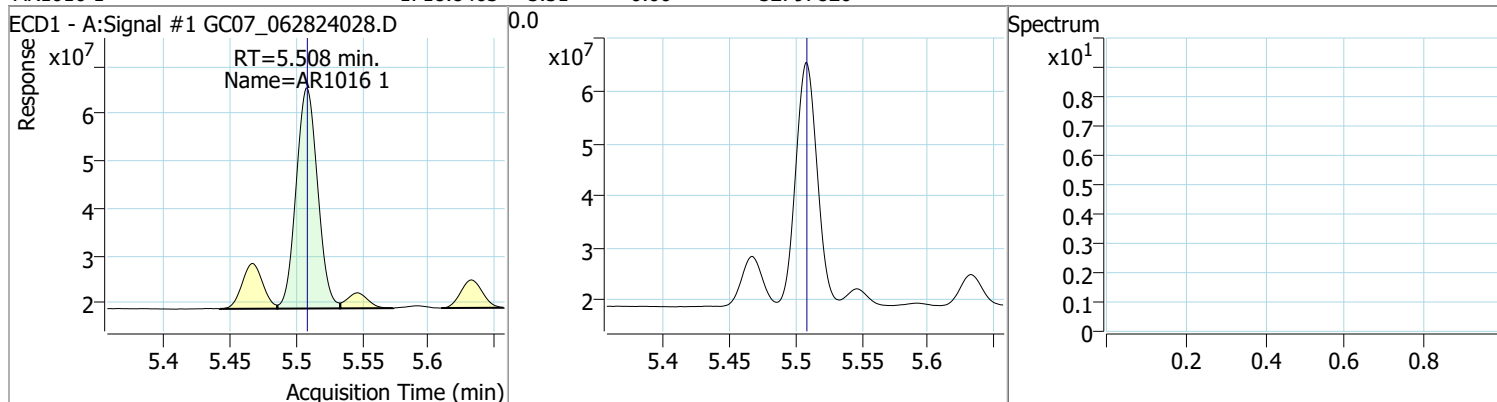
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	158.2608	5.15	0.00	260526259				



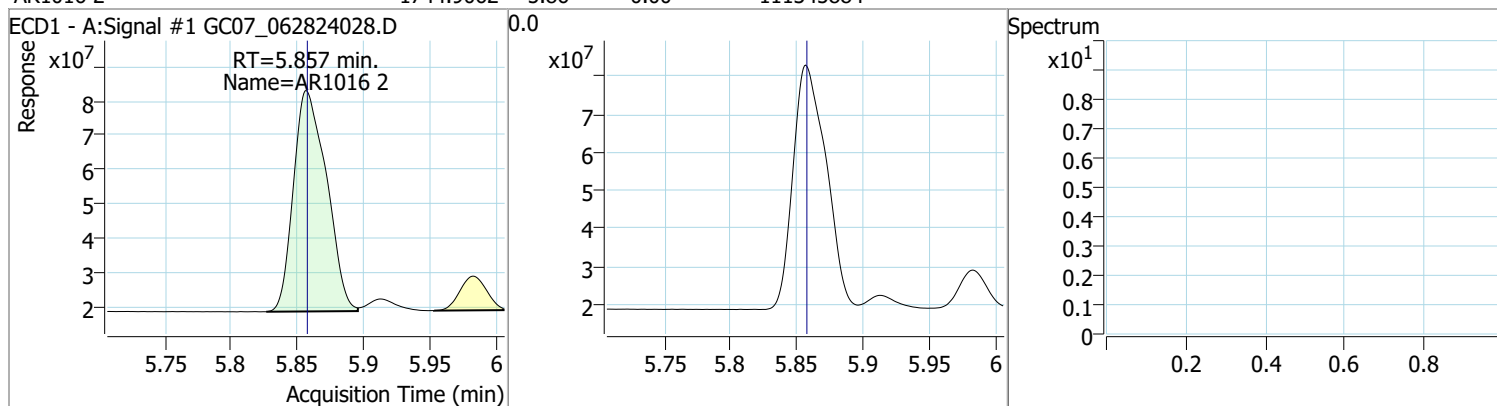
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	141.6590	5.46	0.00	66022528				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1718.8463	5.51	0.00	52797820				

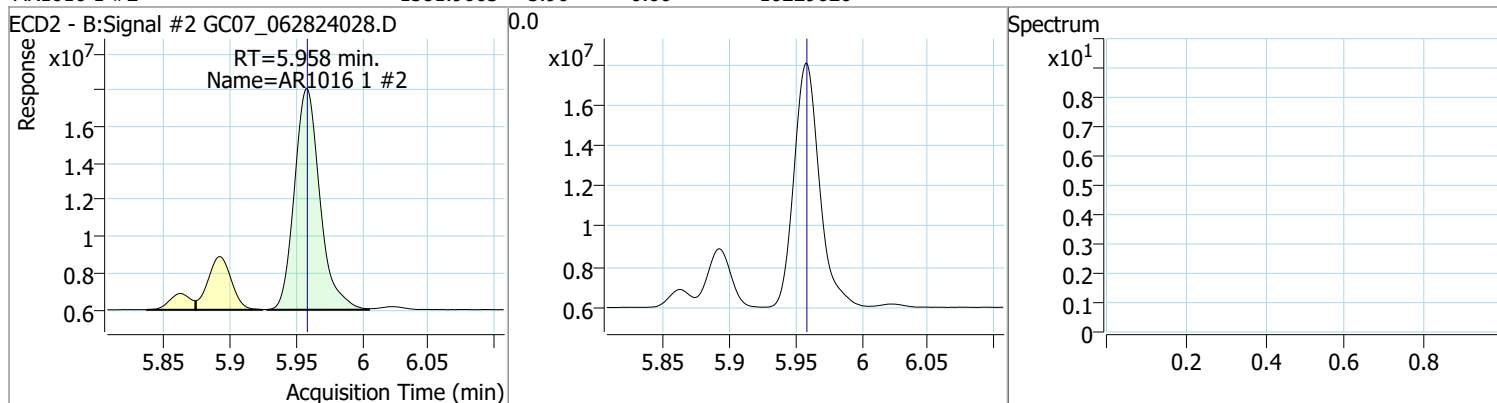


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1744.9062	5.86	0.00	111345884				

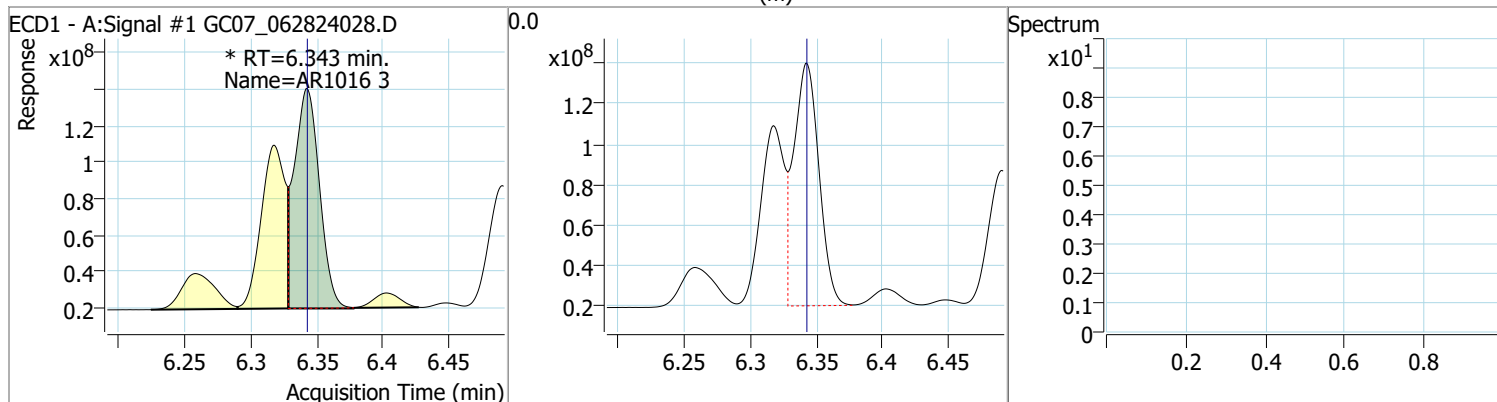


Quantitation Results Report (Not Reviewed)

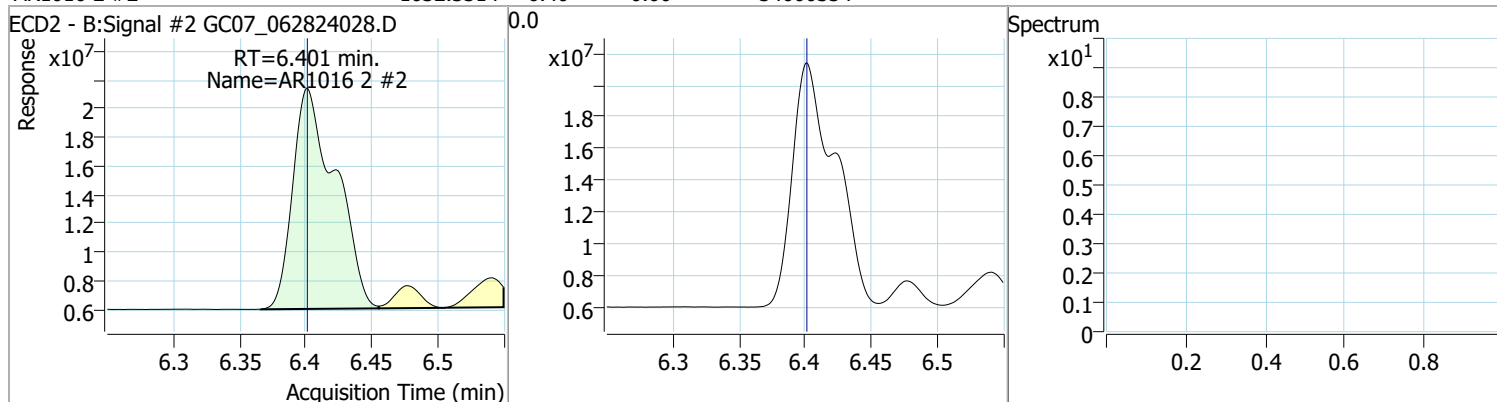
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1581.9063	5.96	0.00	16229620				



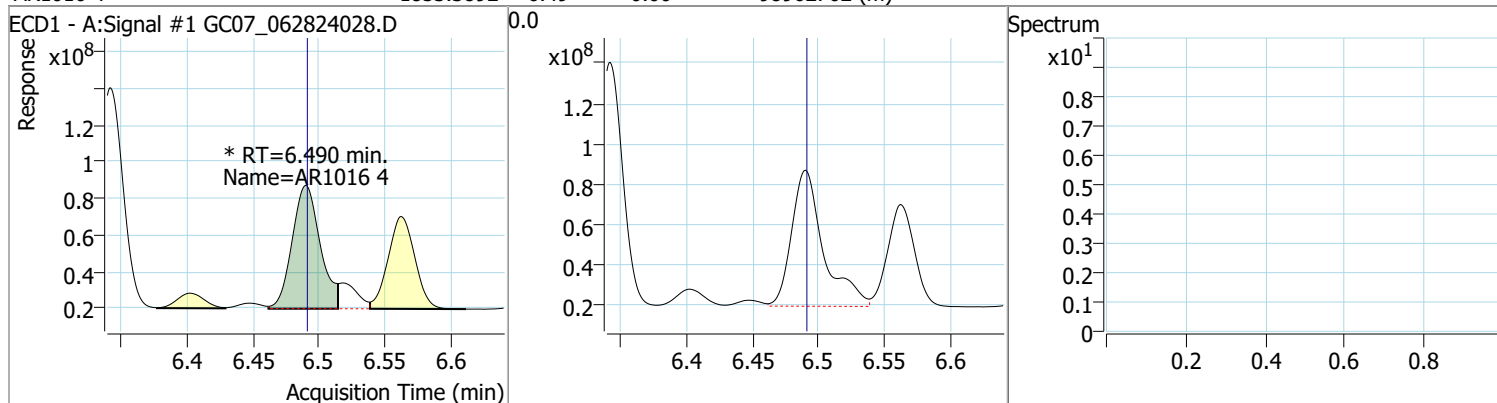
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1985.6885	6.34	0.00	158970351 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1632.3314	6.40	0.00	34600334				

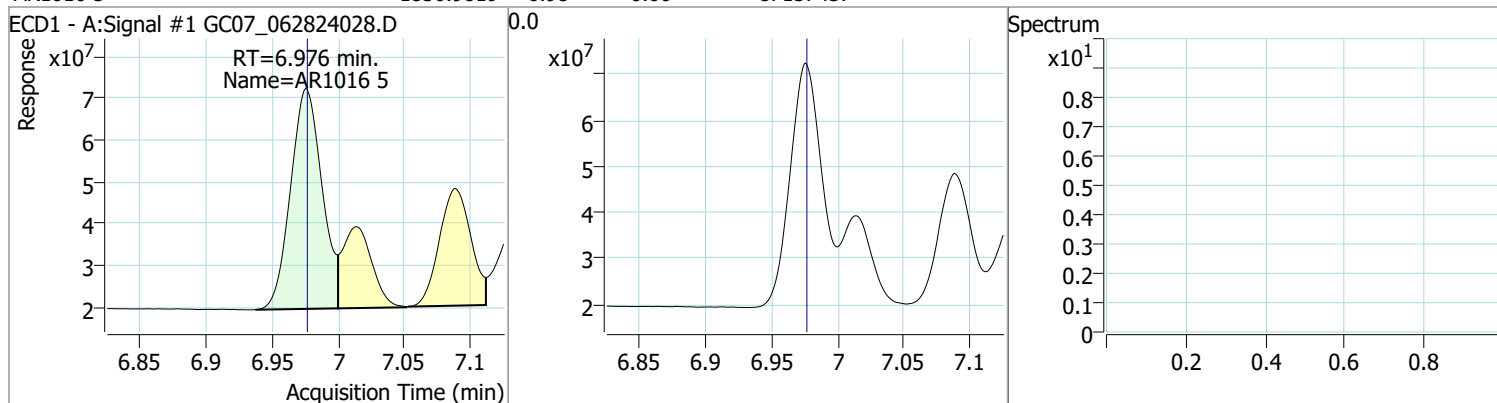


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1853.3892	6.49	0.00	98962762 (m)				

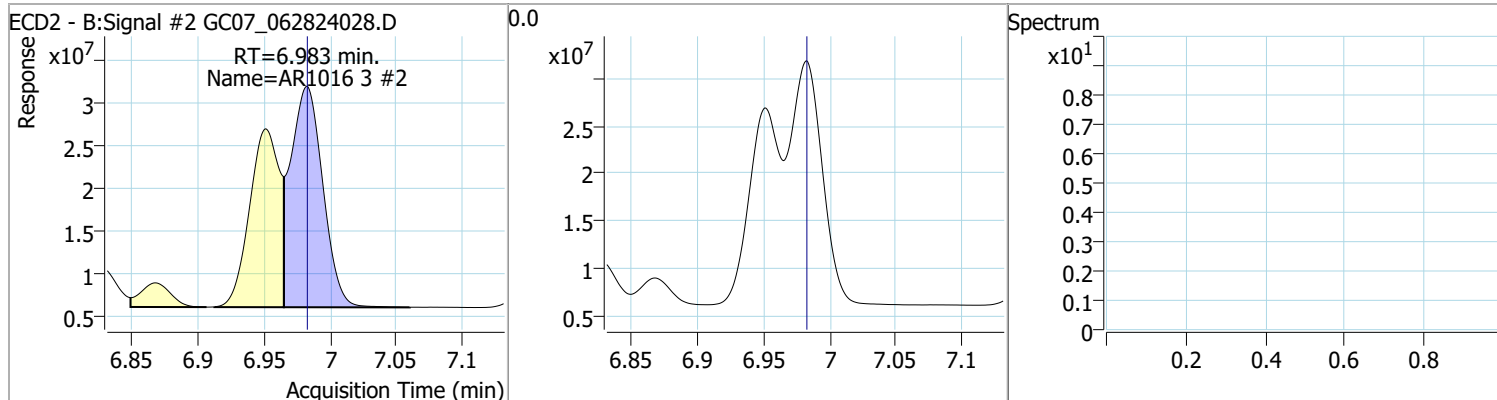


Quantitation Results Report (Not Reviewed)

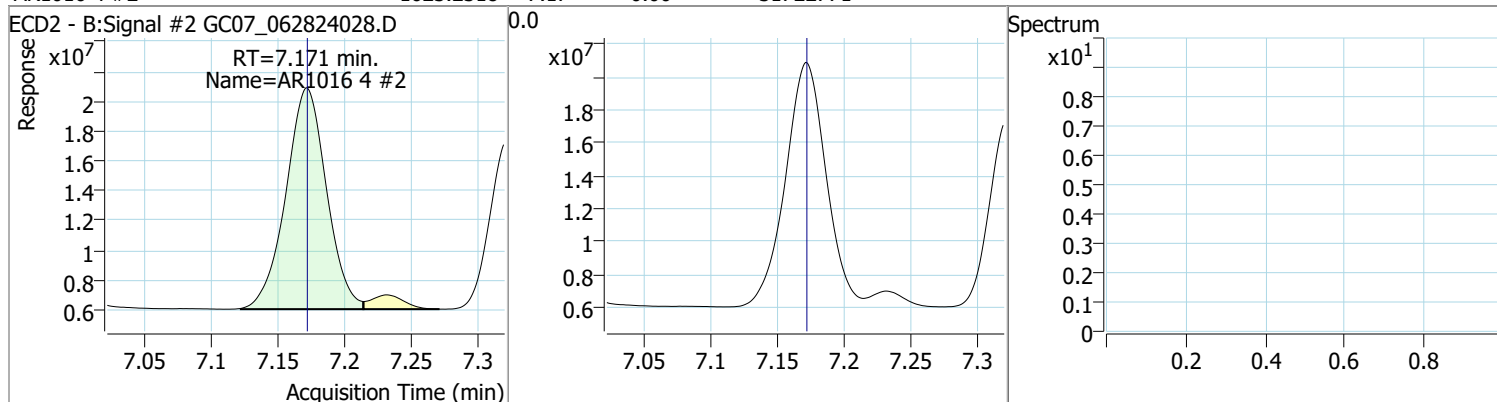
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1856.9819	6.98	0.00	87157457				



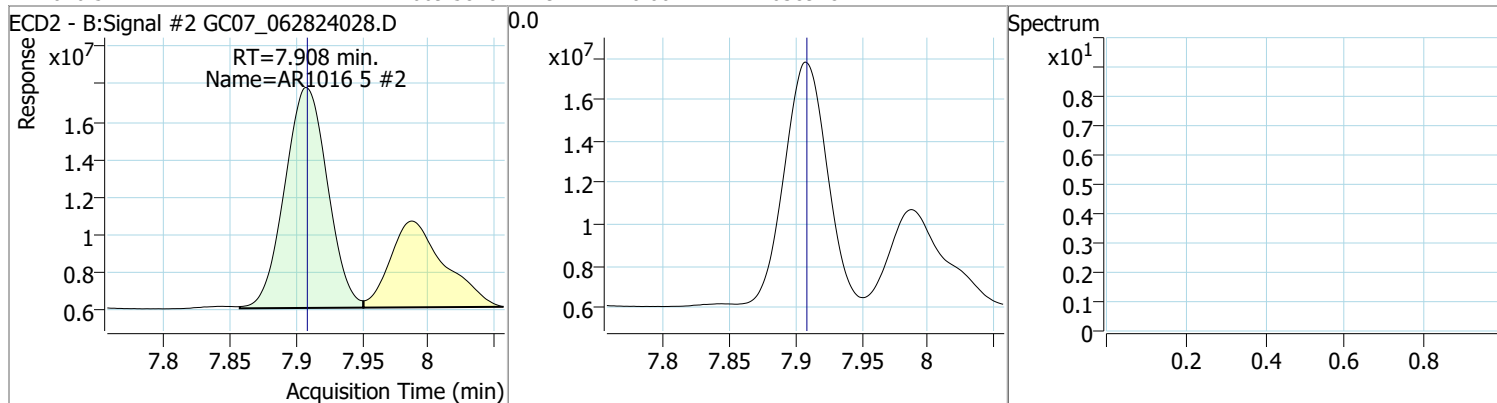
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1646.7307	6.98	0.00	43534275				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1623.2318	7.17	0.00	31722771				

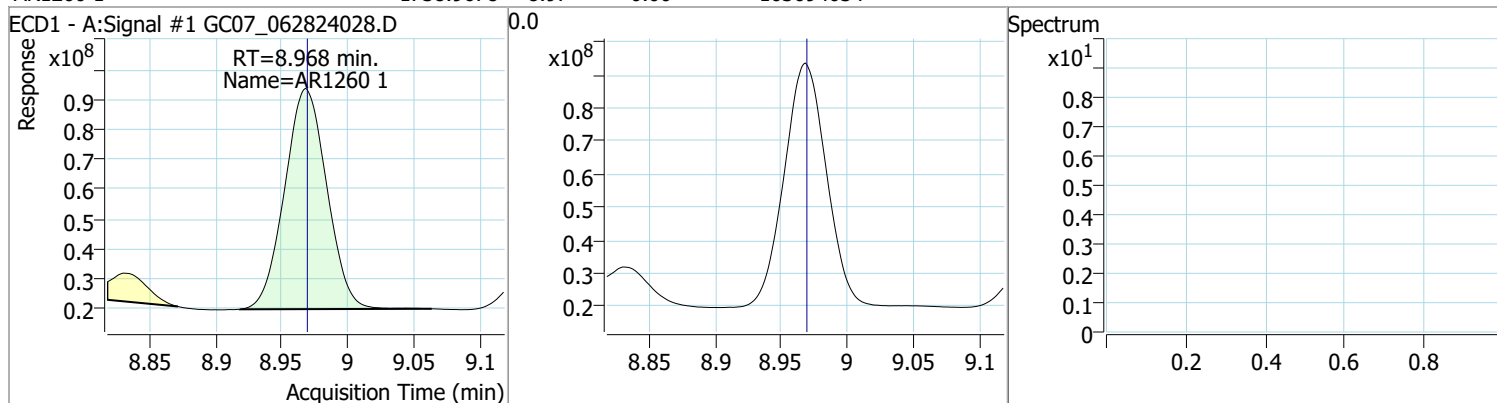


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1669.5818	7.91	0.00	26389484				

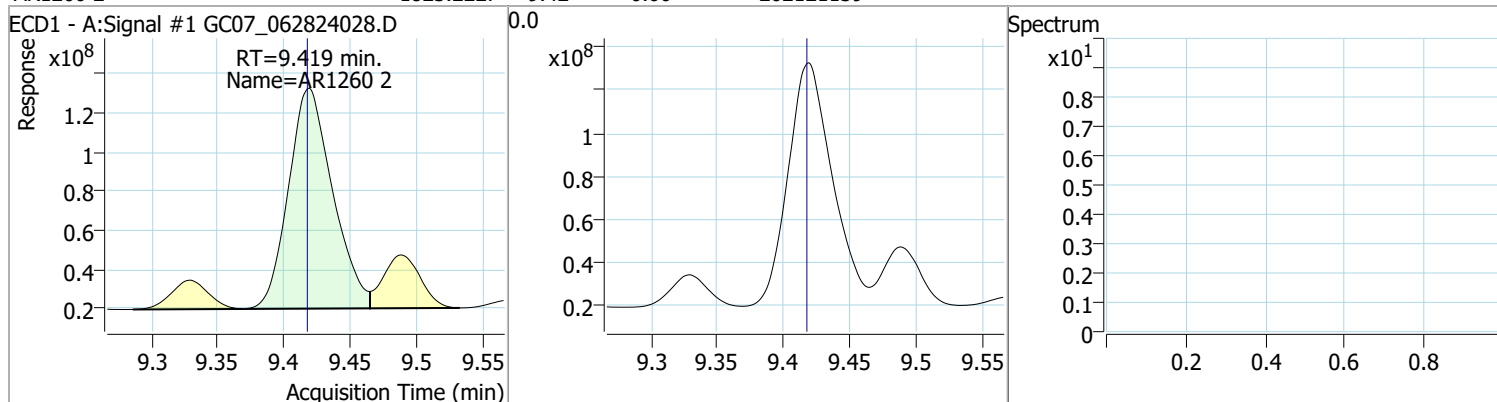


Quantitation Results Report (Not Reviewed)

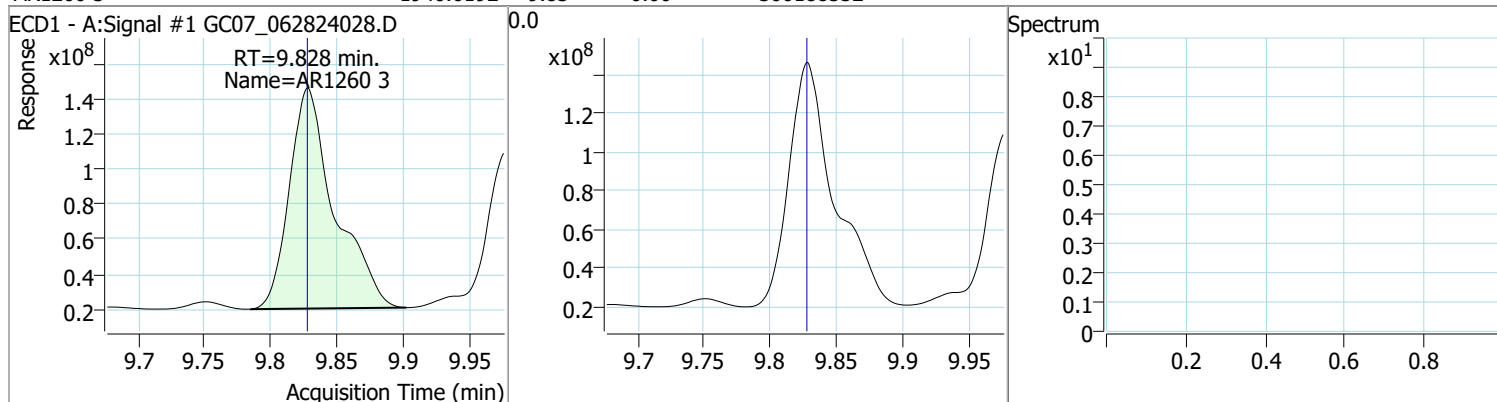
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1738.9678	8.97	0.00	163694034				



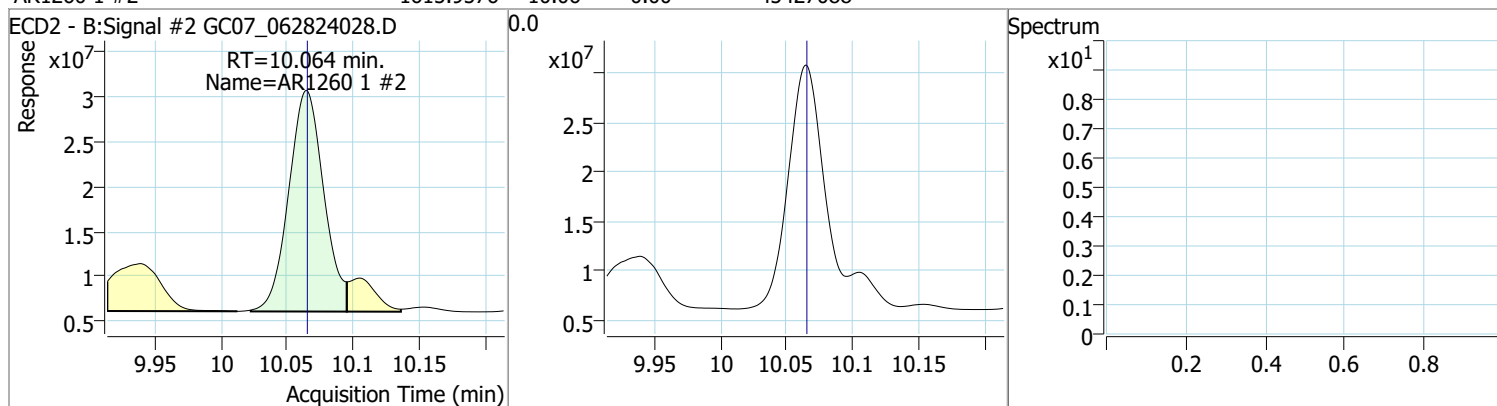
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1823.2227	9.42	0.00	262121139				



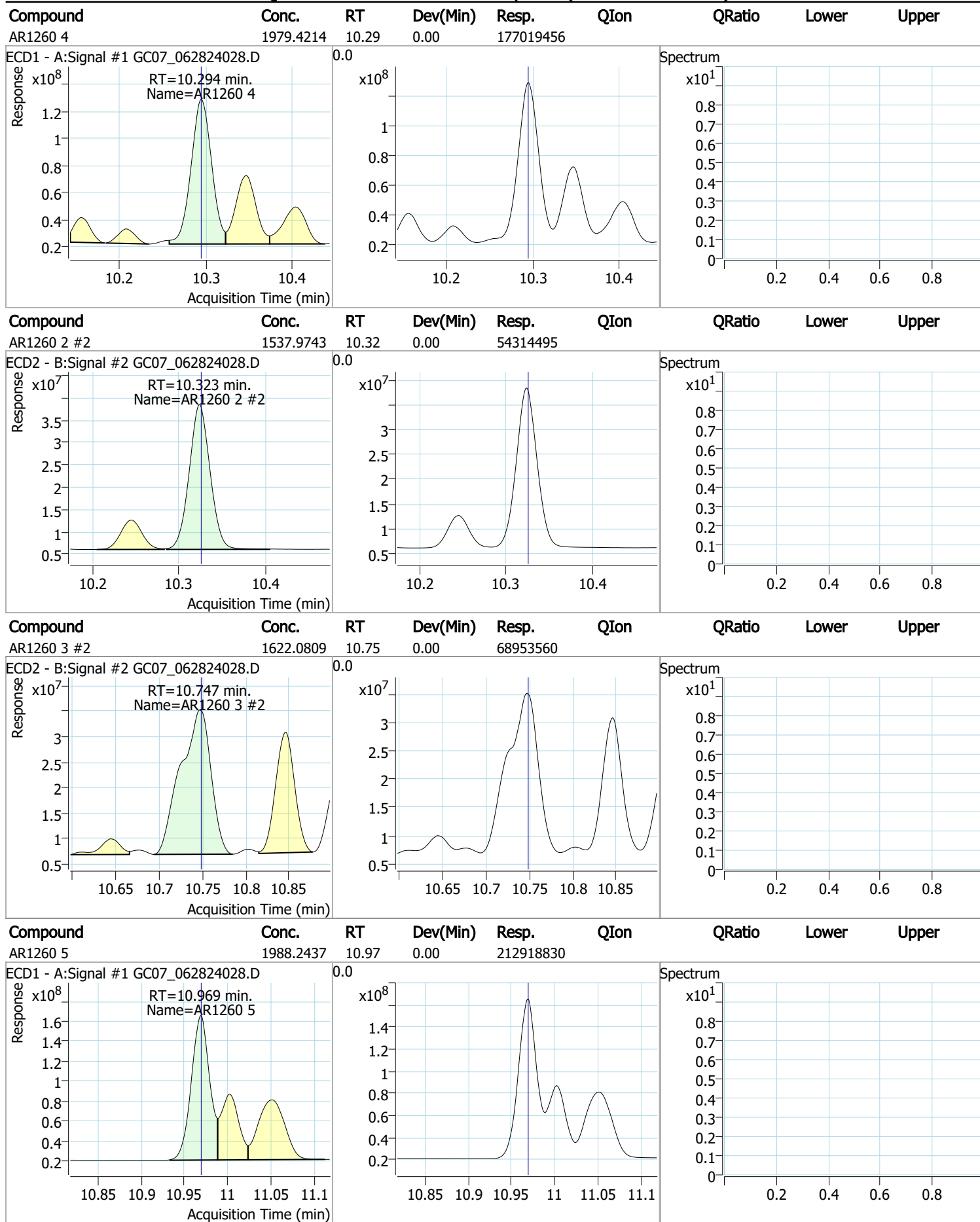
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1940.6192	9.83	0.00	300188552				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1615.9576	10.06	0.00	45427088				

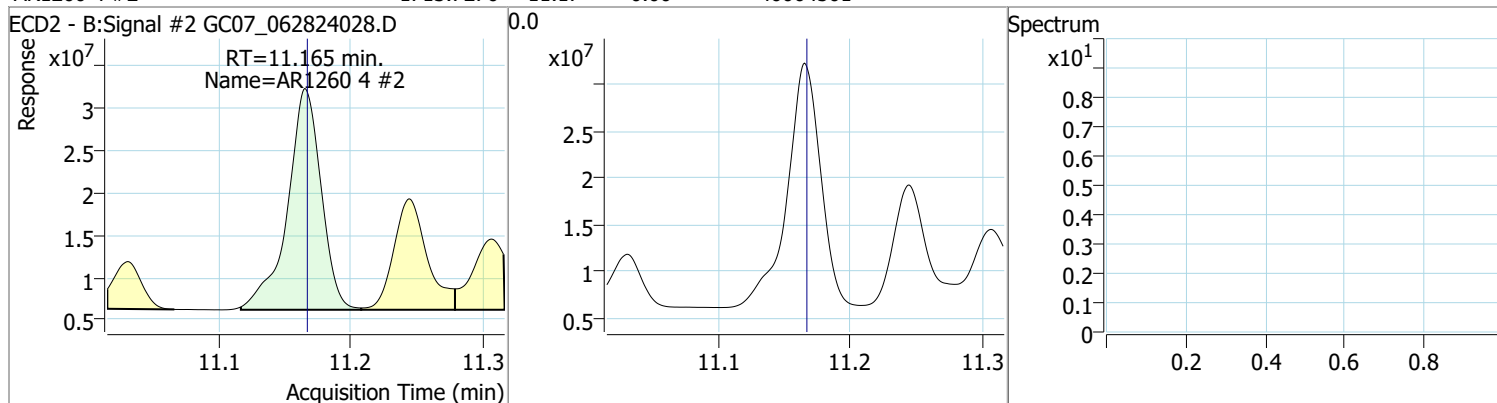


Quantitation Results Report (Not Reviewed)

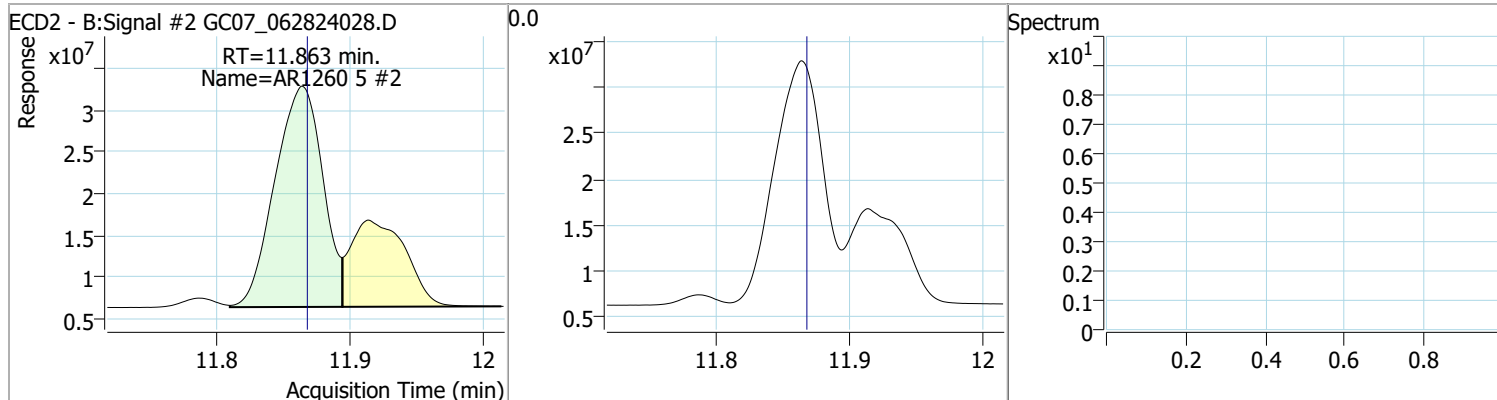


Quantitation Results Report (Not Reviewed)

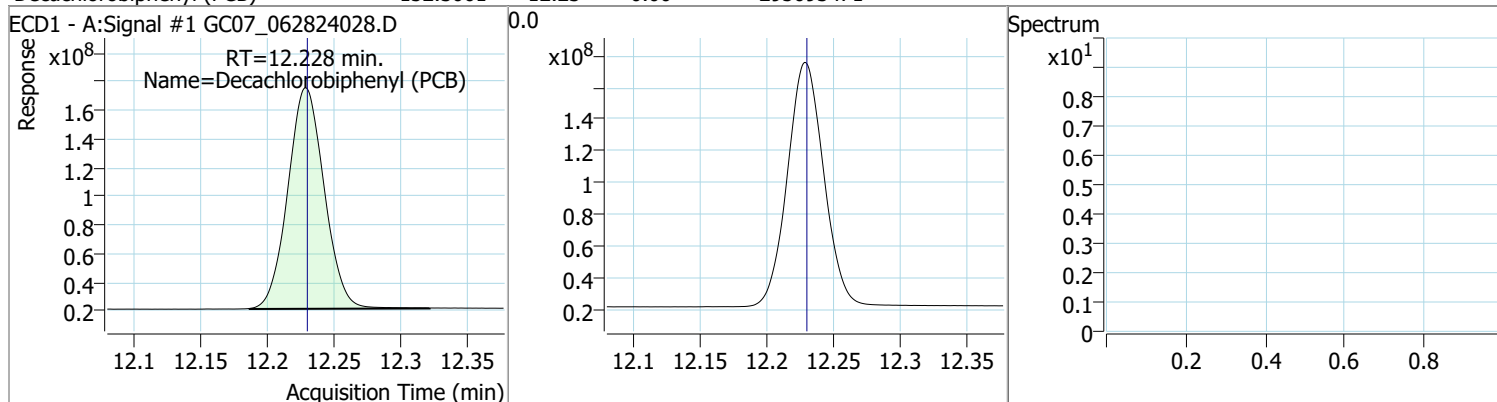
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1713.7276	11.17	0.00	46064501				



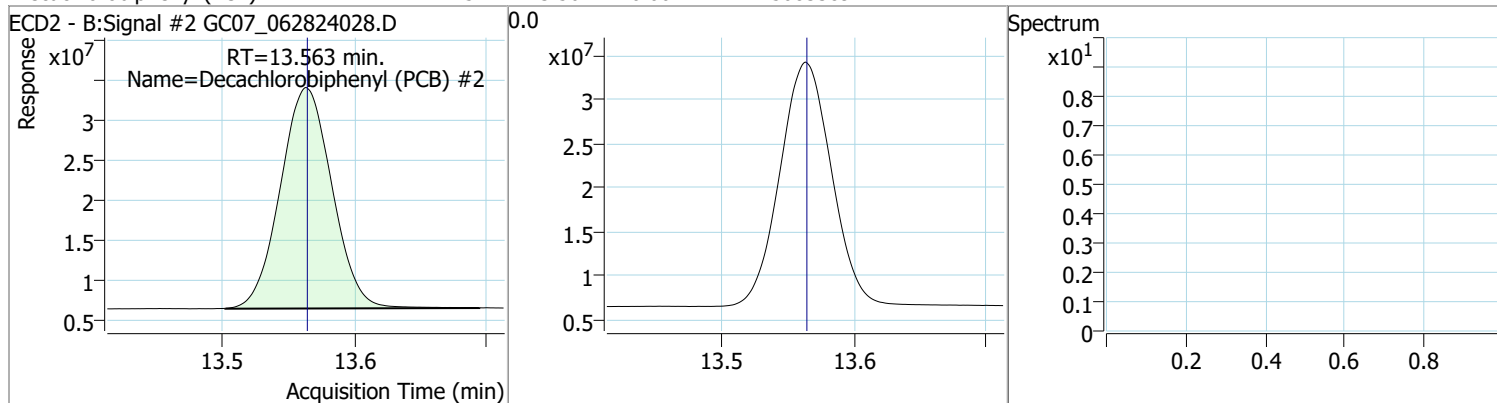
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1668.0607	11.86	0.00	66563998				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	152.3061	12.23	0.00	295093471				



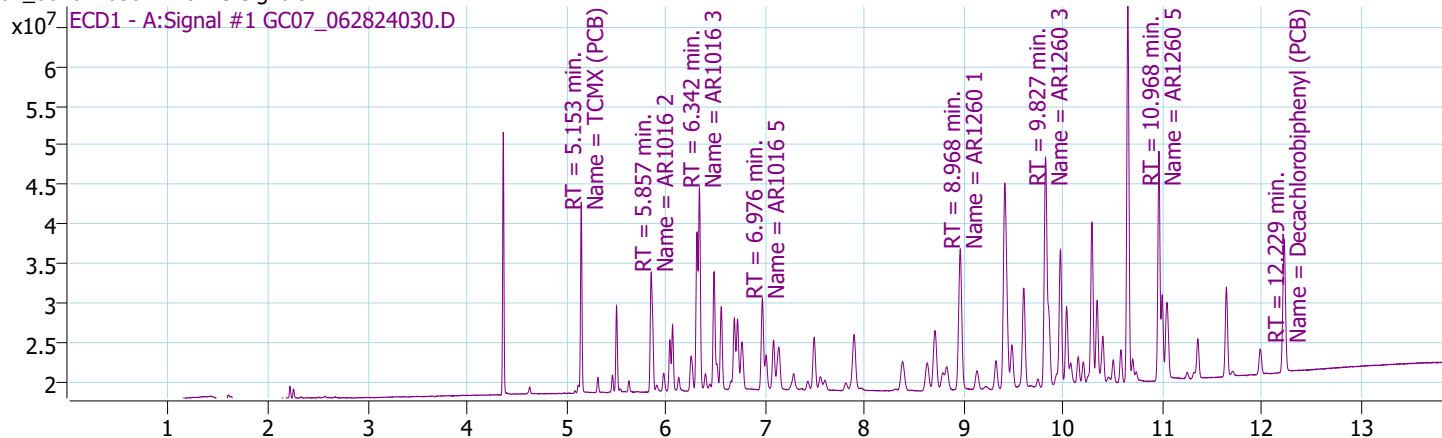
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	141.4452	13.56	0.00	75083389				



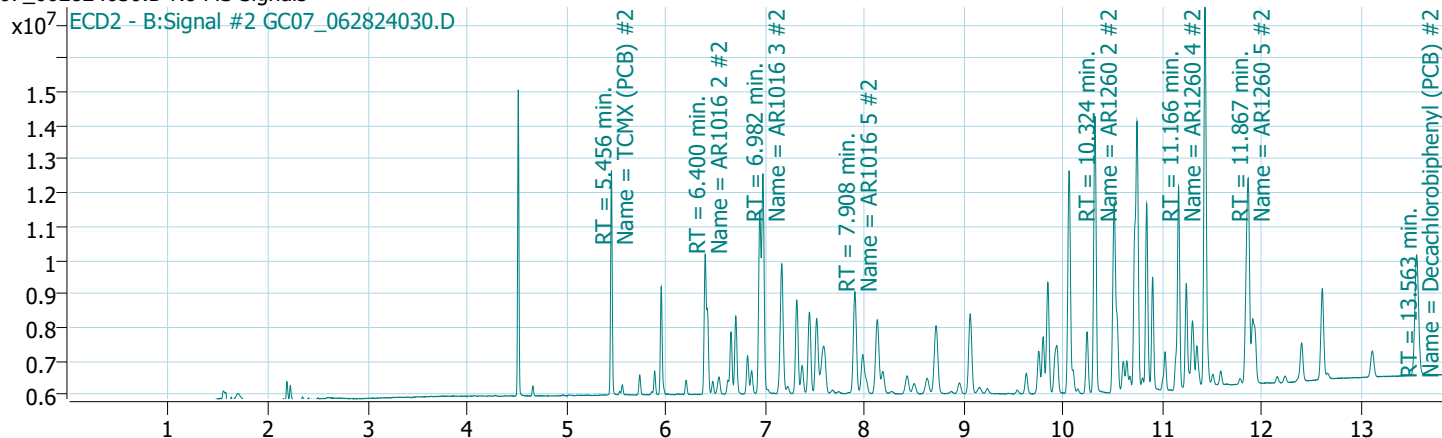
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:57:48 PM
Sample Name	ICV, S20893	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824030.D No MS Signals



GC07_062824030.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	30413590.8 36	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8376601.44 5	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	24996814.0 38	17.5452	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.73%		
S TCMX (PCB) #2	5.456	0.0	7611693.35 9	18.9448	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.72%		
S Decachlorobiphenyl (PCB)	12.229	0.0	32564996.7 55	19.4205	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.10%		
S Decachlorobiphenyl (PCB) #2	13.563	0.0	9597731.27 6	20.9734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.87%		

Target Compounds

QValue

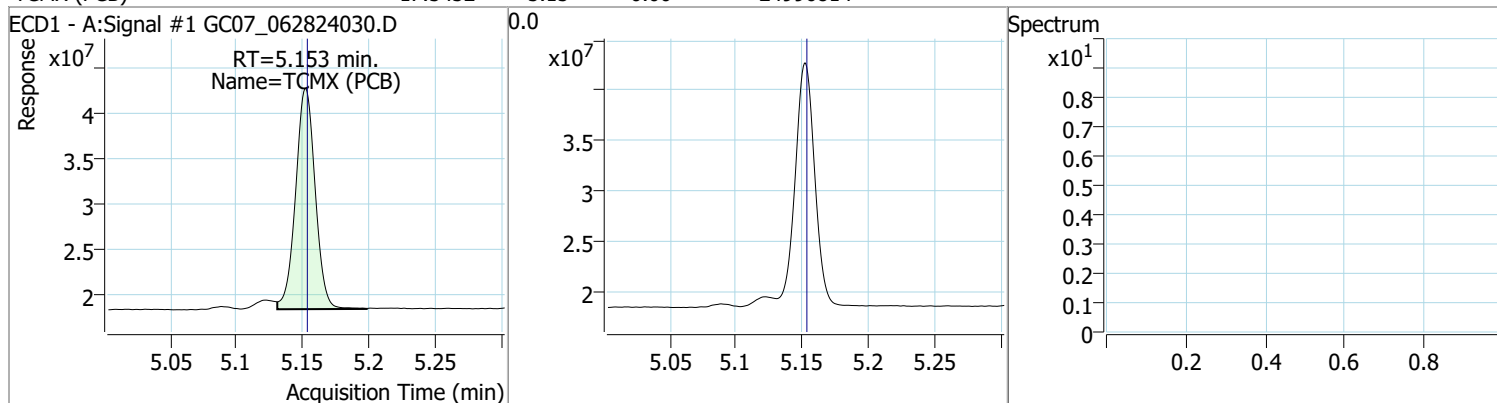
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	12386632.7 60	465.9366	ng/ml	100
T AR1016 2	5.857	0.0	26299436.2 09	476.2082	ng/ml	100
T AR1016 1 #2	5.958	0.0	4174180.59 8	471.9539	ng/ml	100
T AR1016 3	6.342	0.0	34546415.2 35	527.2991	ng/ml	100
T AR1016 2 #2	6.400	0.0	9001561.38 0	492.6084	ng/ml	100
T AR1016 4	6.490	0.0	22137100.0 40	479.0359	ng/ml m	100
T AR1016 5	6.976	0.0	19309556.1 31	475.3658	ng/ml	100
T AR1016 3 #2	6.982	0.0	11170392.5 72	490.1349	ng/ml	100
T AR1016 4 #2	7.171	0.0	8088316.34 2	480.0909	ng/ml	100
T AR1016 5 #2	7.908	0.0	6582770.69 8	483.1049	ng/ml	100
T AR1260 1	8.968	0.0	39268423.1 92	482.0085	ng/ml	100
T AR1260 2	9.417	0.0	62386512.9 04	501.3961	ng/ml	100
T AR1260 3	9.827	0.0	71409385.3 41	533.4012	ng/ml	100
T AR1260 1 #2	10.064	0.0	13287658.7 07	548.3015	ng/ml	100
T AR1260 4	10.293	0.0	34310803.8 90	443.3030	ng/ml	100
T AR1260 2 #2	10.324	0.0	14596035.2 65	479.4288	ng/ml	100
T AR1260 3 #2	10.748	0.0	18681897.9 32	509.7917	ng/ml	100
T AR1260 5	10.968	0.0	43060287.5 97	464.6062	ng/ml	100
T AR1260 4 #2	11.166	0.0	10737657.5 12	463.3839	ng/ml	100
T AR1260 5 #2	11.867	0.0	14959700.7 63	434.8618	ng/ml	100

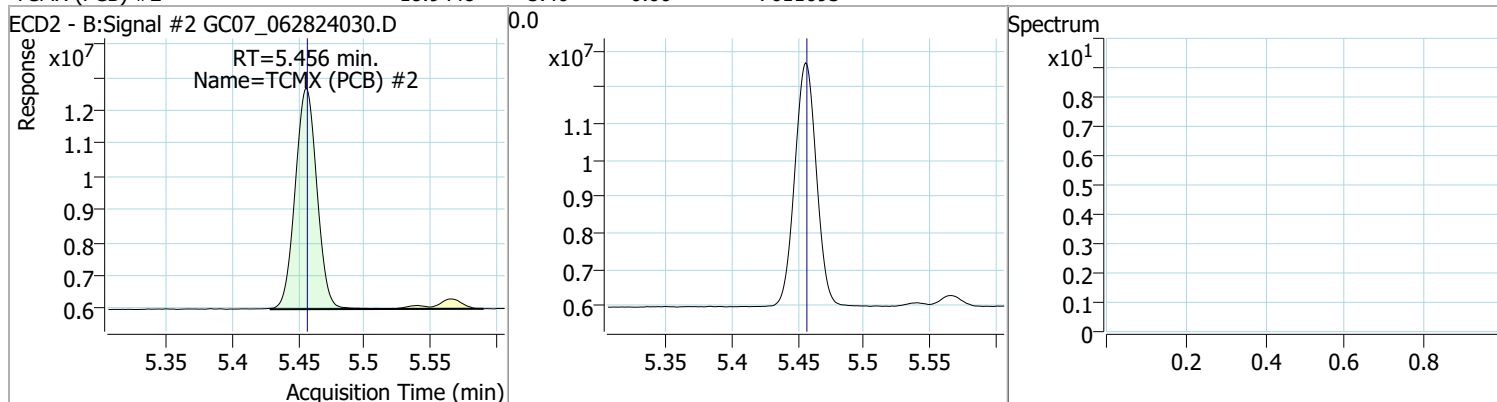
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

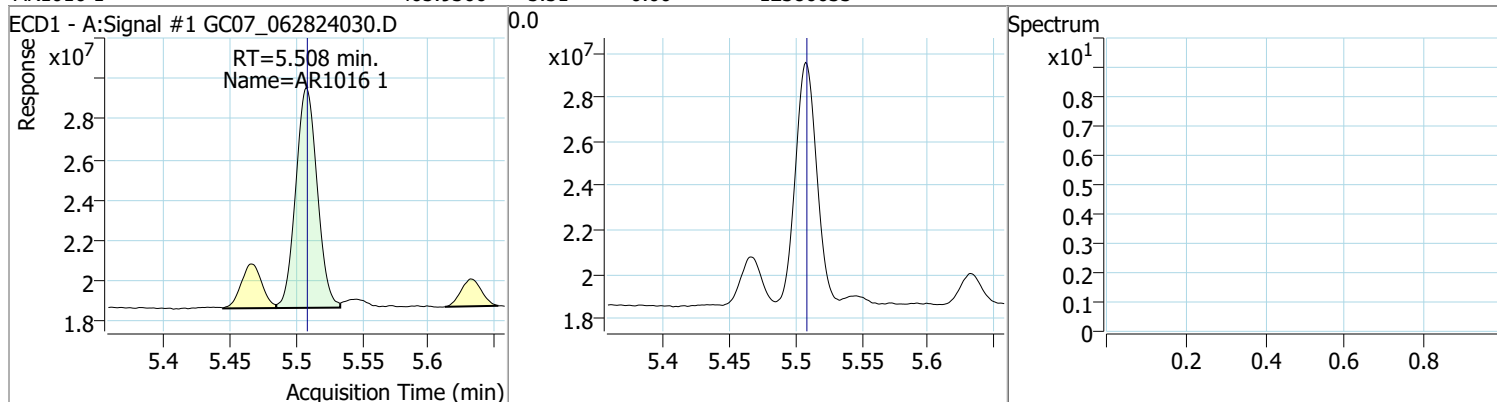
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.5452	5.15	0.00	24996814				



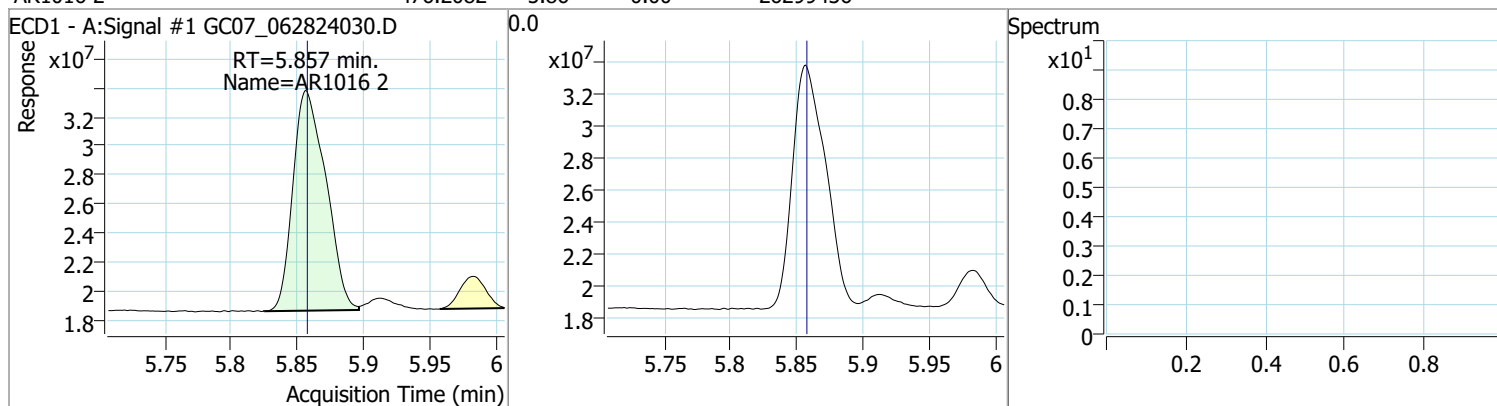
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.9448	5.46	0.00	7611693				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	465.9366	5.51	0.00	12386633				

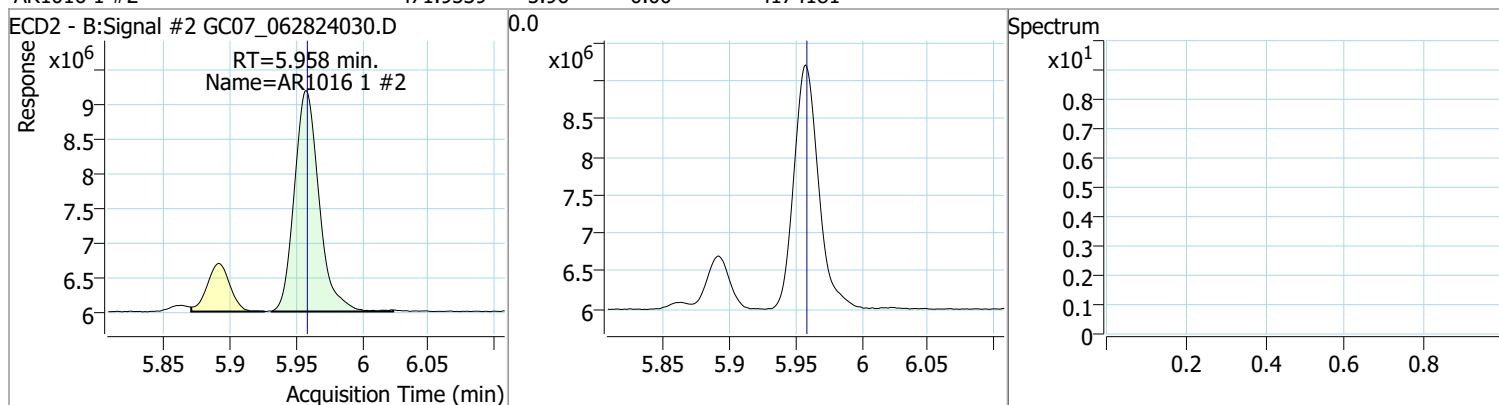


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	476.2082	5.86	0.00	26299436				

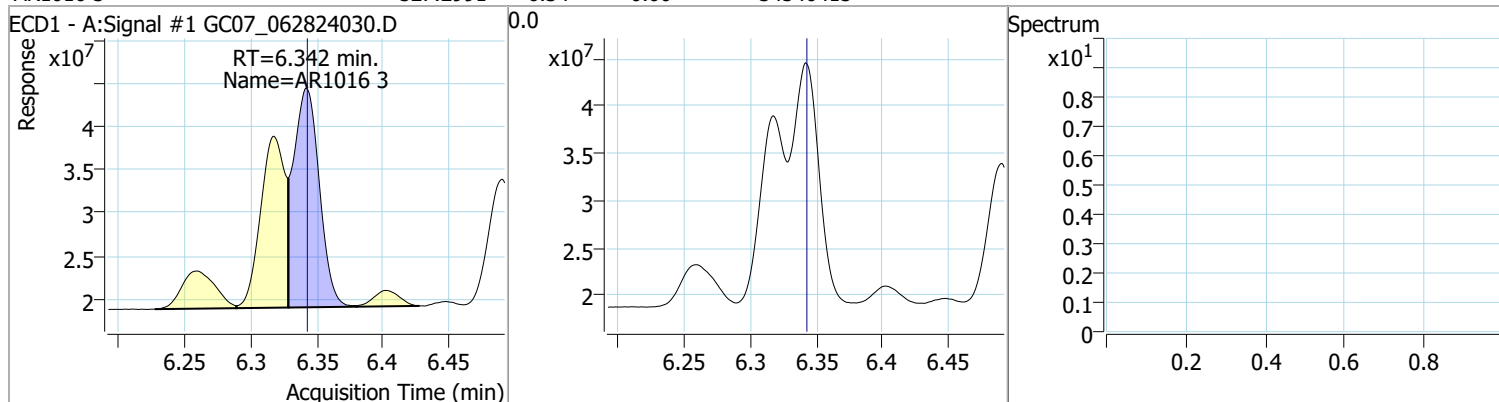


Quantitation Results Report (Not Reviewed)

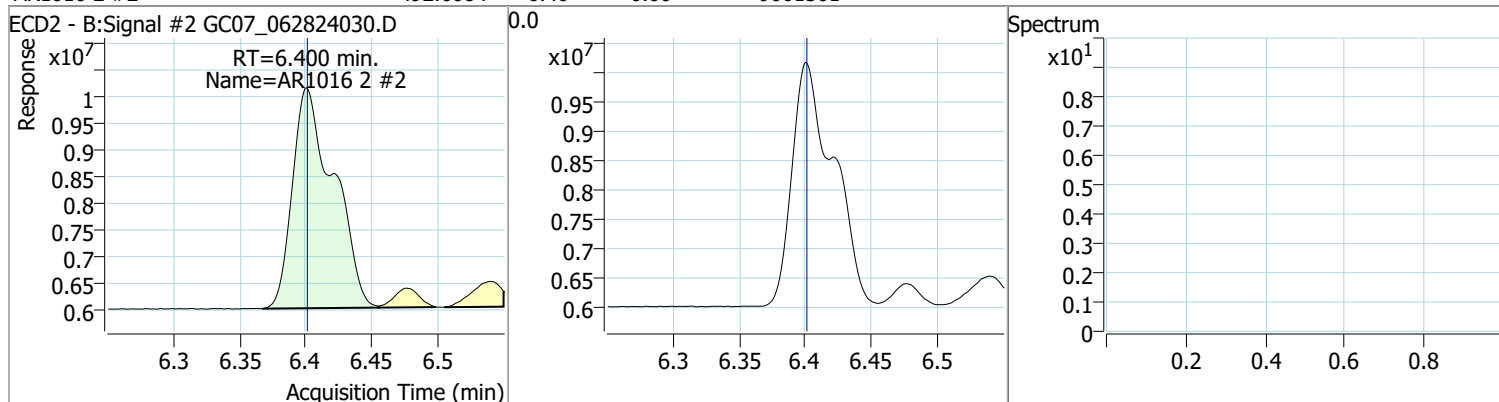
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	471.9539	5.96	0.00	4174181				



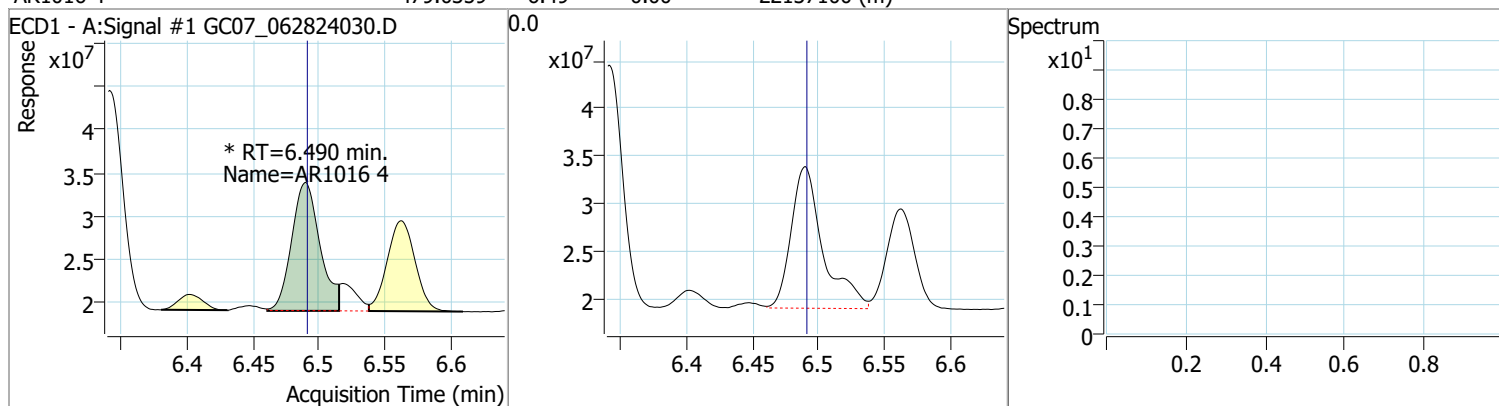
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	527.2991	6.34	0.00	34546415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	492.6084	6.40	0.00	9001561				

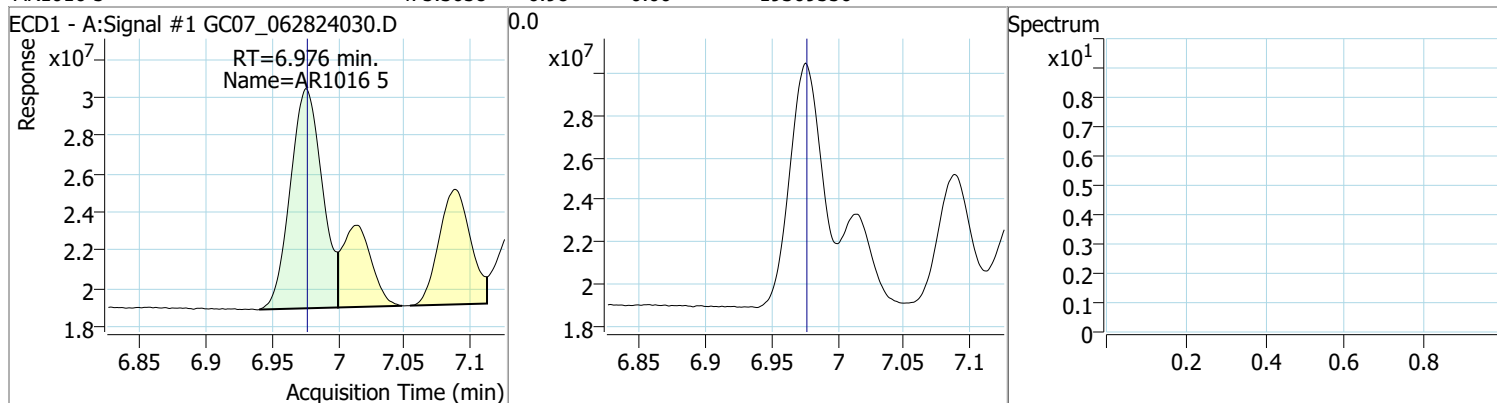


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.0359	6.49	0.00	22137100 (m)				

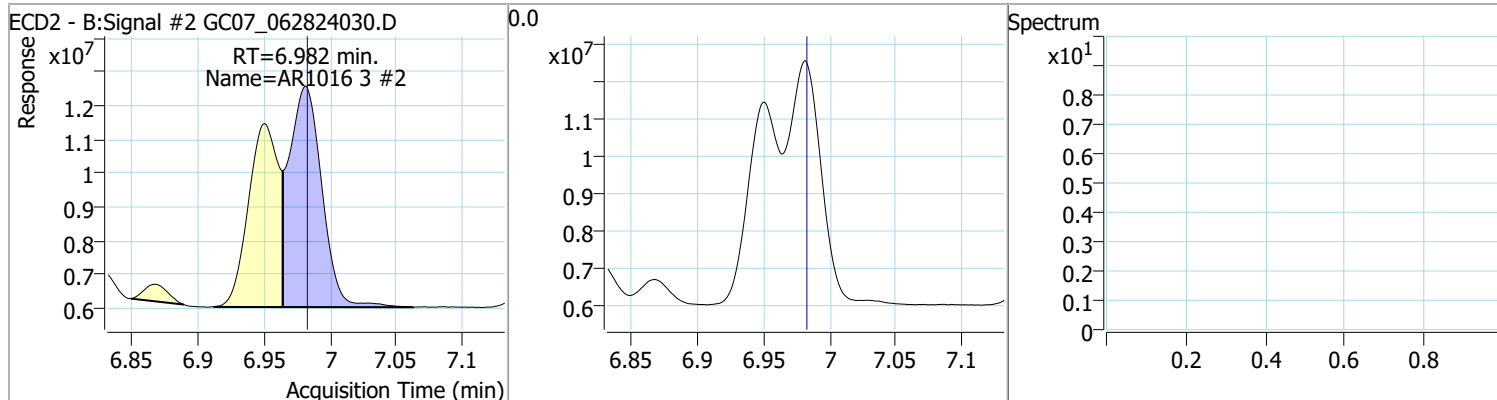


Quantitation Results Report (Not Reviewed)

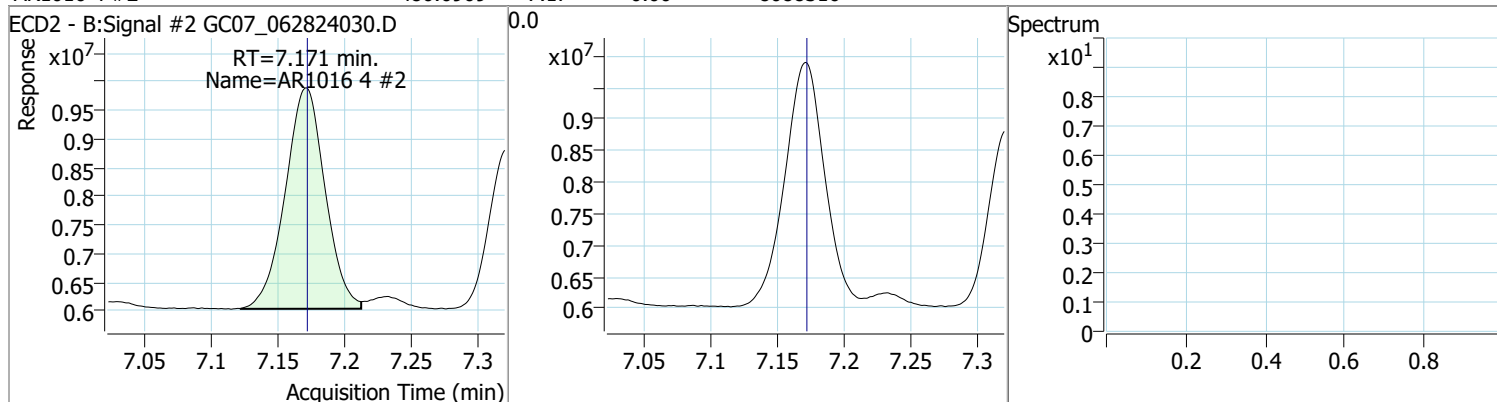
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	475.3658	6.98	0.00	19309556				



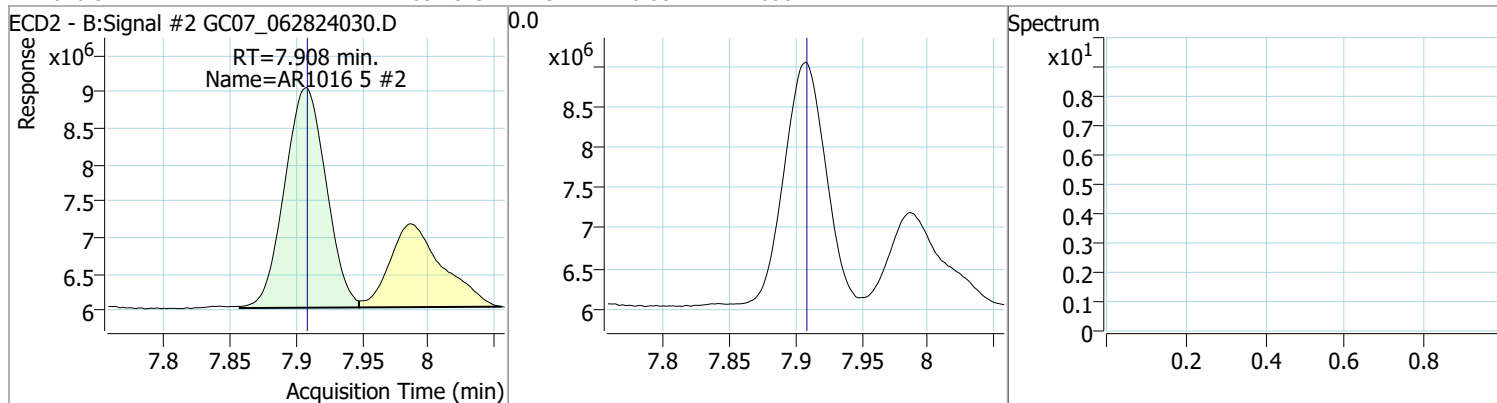
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	490.1349	6.98	0.00	11170393				



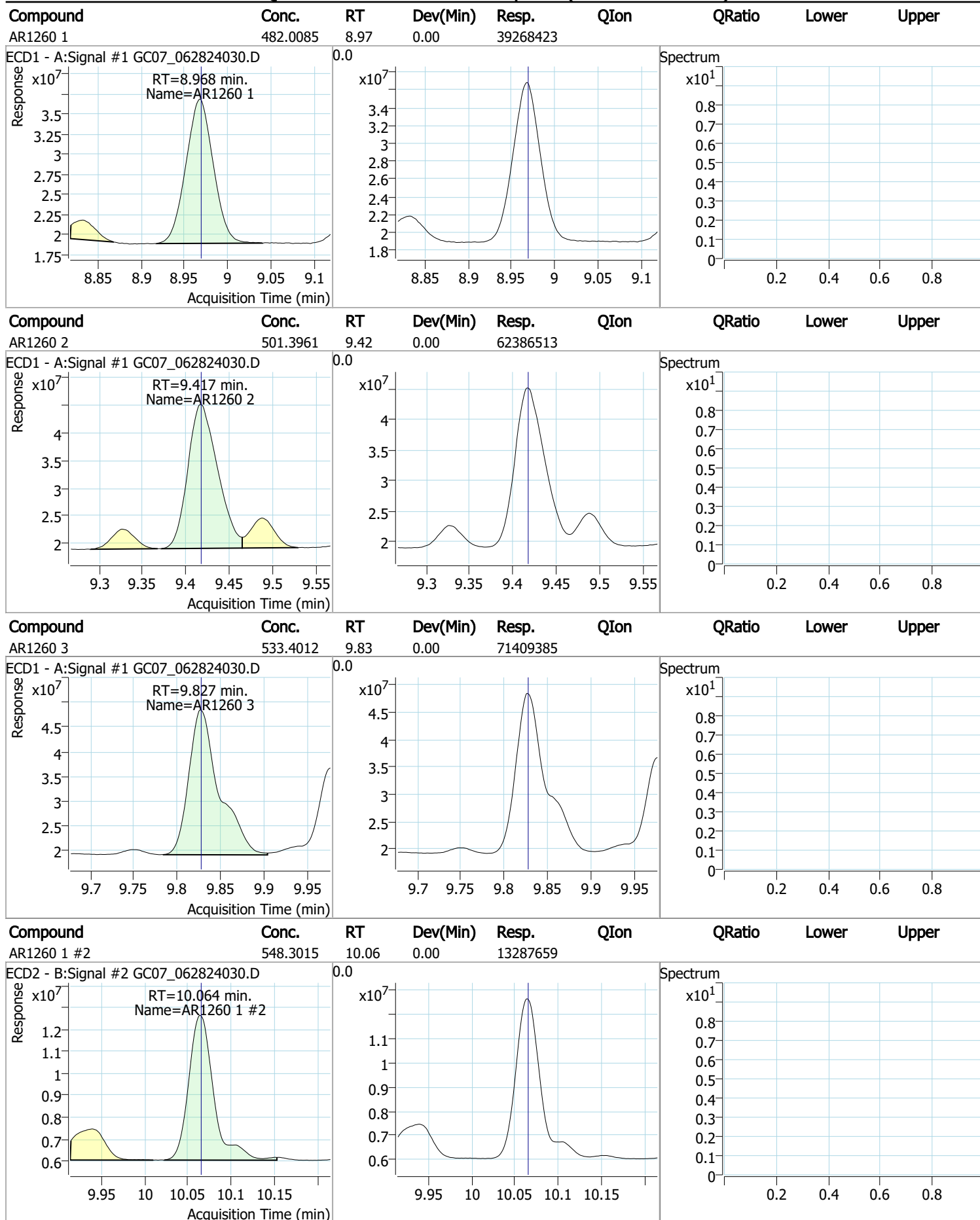
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	480.0909	7.17	0.00	8088316				



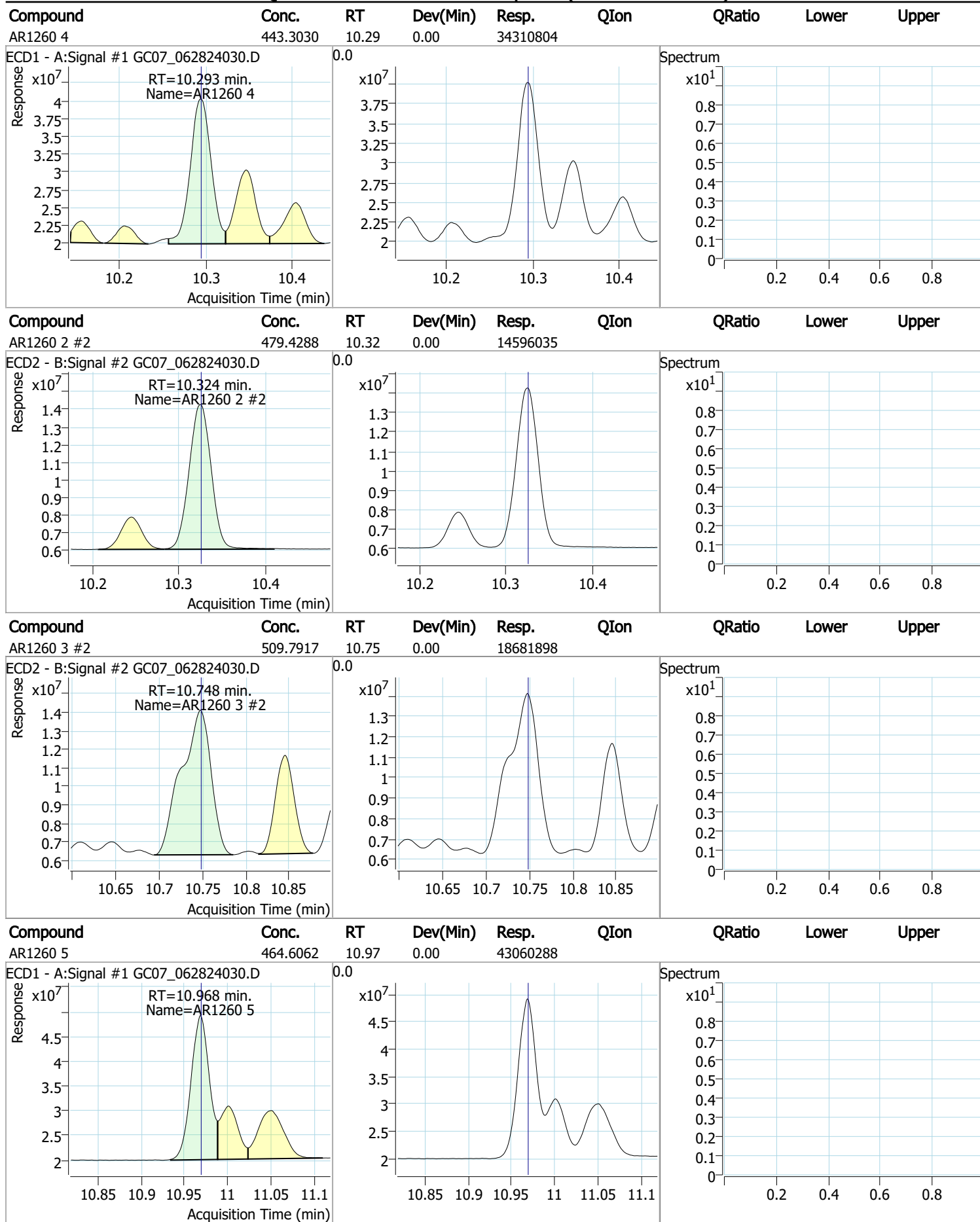
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	483.1049	7.91	0.00	6582771				



Quantitation Results Report (Not Reviewed)

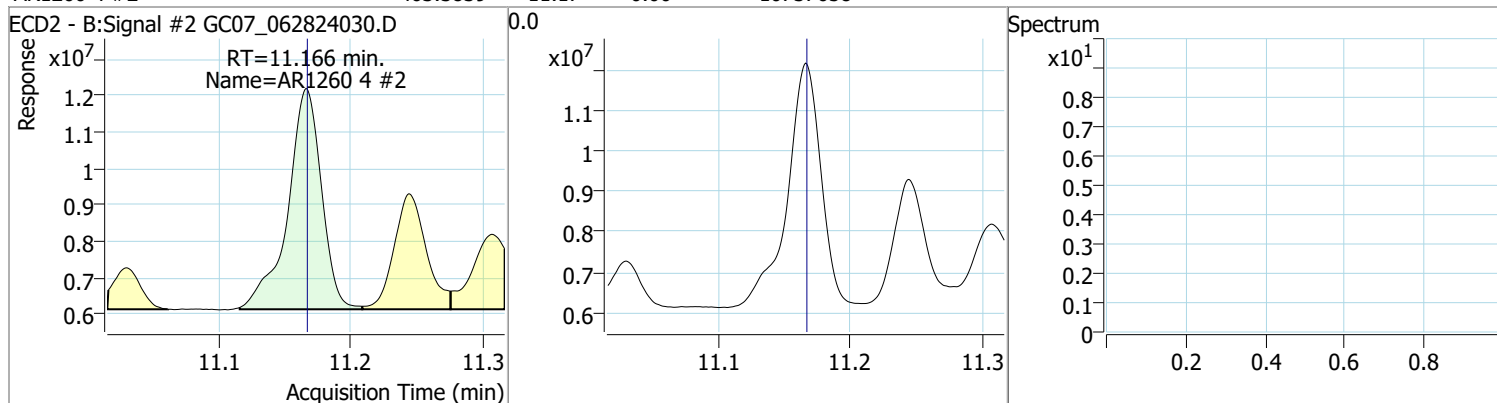


Quantitation Results Report (Not Reviewed)

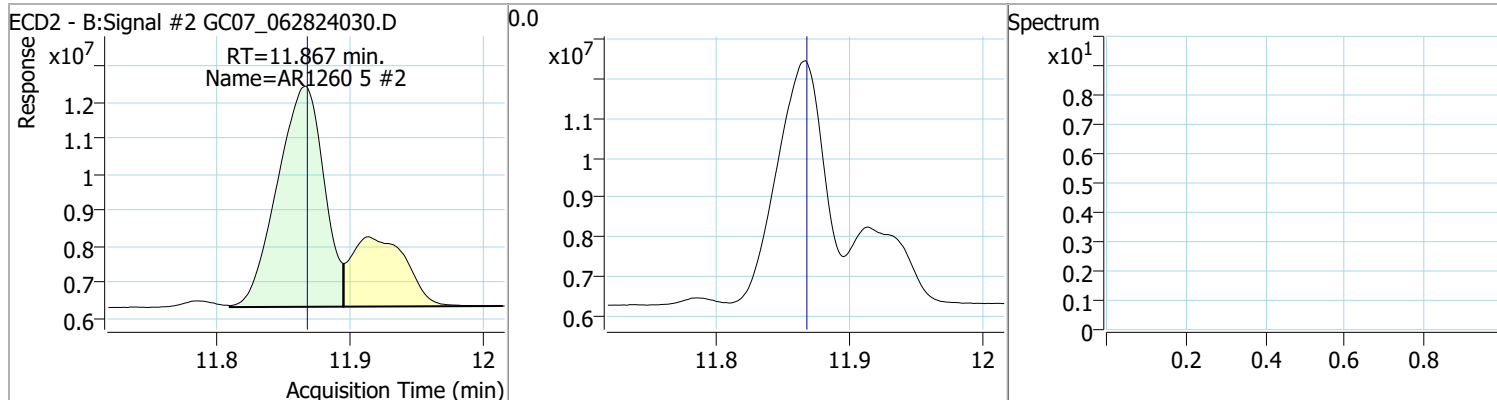


Quantitation Results Report (Not Reviewed)

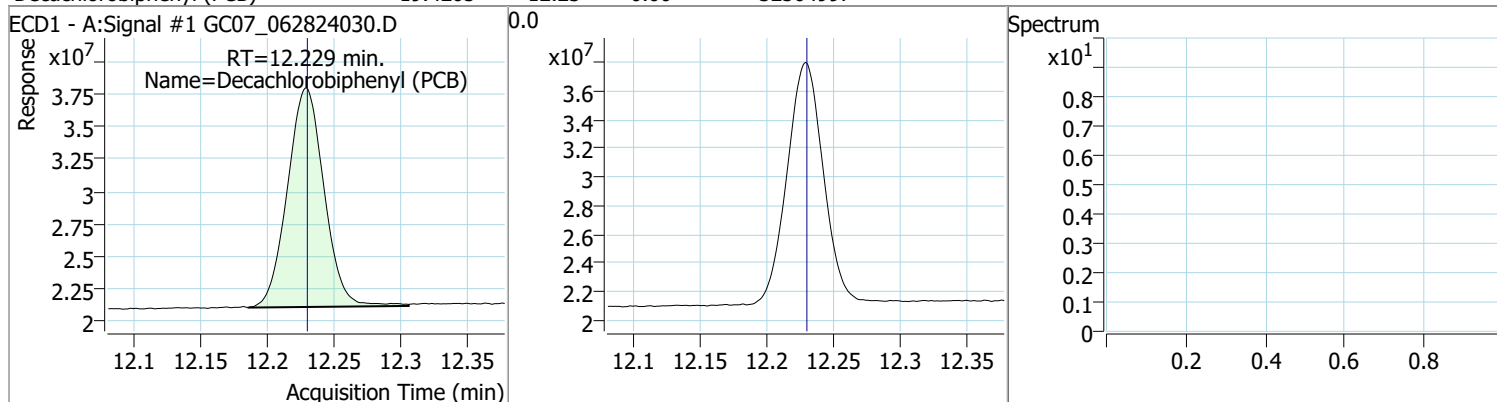
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	463.3839	11.17	0.00	10737658				



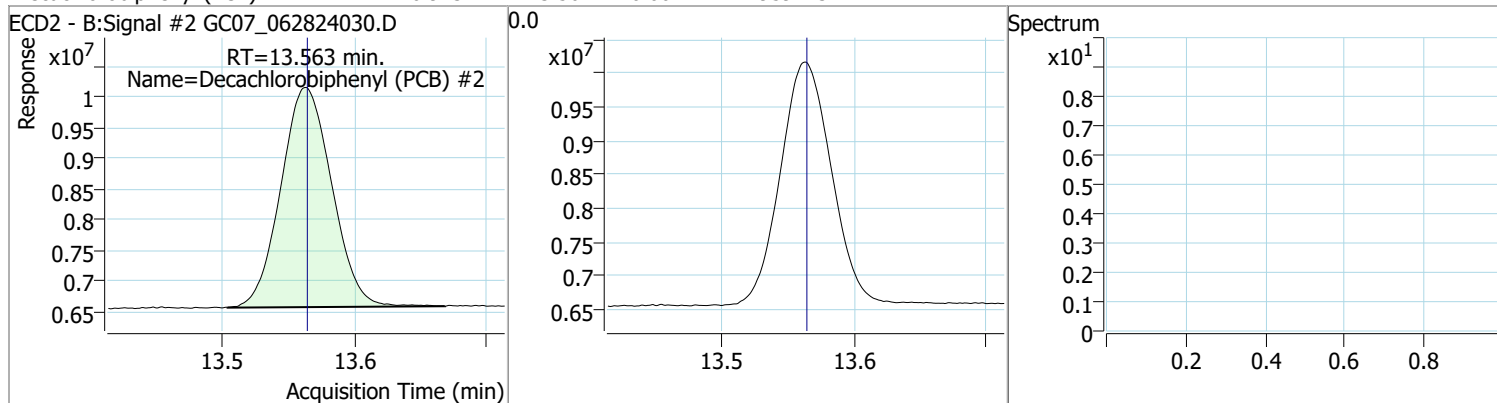
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	434.8618	11.87	0.00	14959701				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.4205	12.23	0.00	32564997				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9734	13.56	0.00	9597731				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 512355 PCBs Wipe
EPA 8082

Inst: SVOA-GC07	IDF: 1.0
Seqnum: 464294361004	File: gc07_072224004
Cal: 464259633001	Time: 22-JUL-2024 10:36
Caldate: 28-JUN-2024	

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	492.2	ug/L	-2	15	0.0000	
Aroclor-1260	A			500.0	543.9	ug/L	9	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	1.2030	40.00	43.64	pg/uL	9	15	0.0000	
TCMX (PCB)	A	0.9369	0.8646	40.00	36.91	pg/uL	-8	15	0.0000	
Aroclor-1016	B			500.0	517.6	ug/L	4	15	0.0000	
Aroclor-1260	B			500.0	547.6	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	1.2981	40.00	47.52	pg/uL	19	15	0.0000	c+
TCMX (PCB)	B	0.9593	0.9520	40.00	39.70	pg/uL	-1	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	10965763	36.38
1-bromo-2-nitrobenzene (PCB)	A	28707643	47936344	66.98

07/22/24 : 500 PPB PCB CCV

MES 07/23/24 [Aroclor-1016 A]: Separated from coeluting peak for Ch. A.

MES 07/23/24 [Aroclor-1260 B]: Corrected automatically drawn baseline for Ch. B.

+ = high bias c = CCV

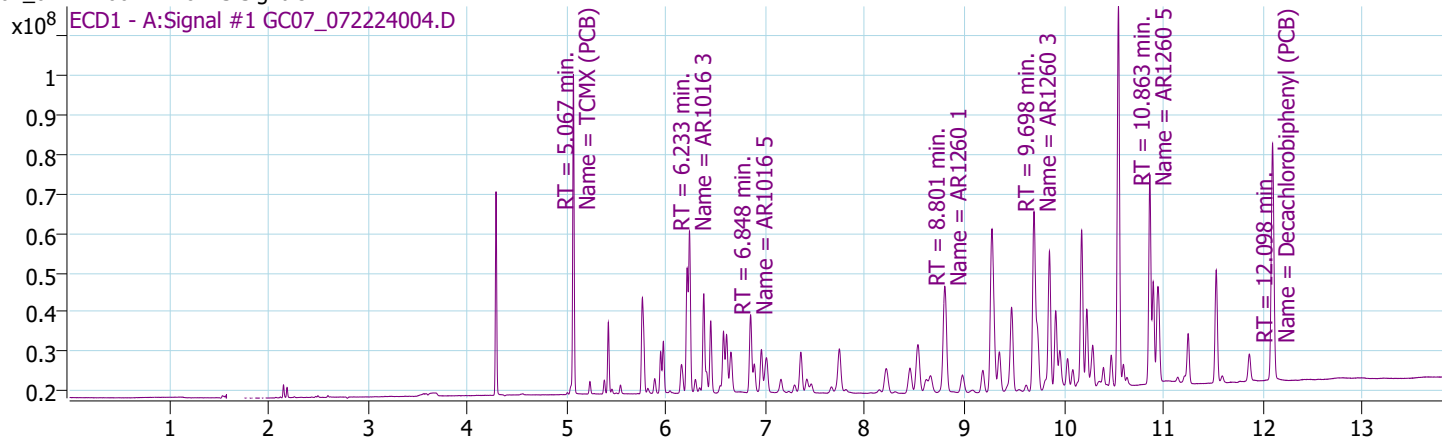
Analyst: MES 07/23/24

Reviewer: MTS 07/25/24

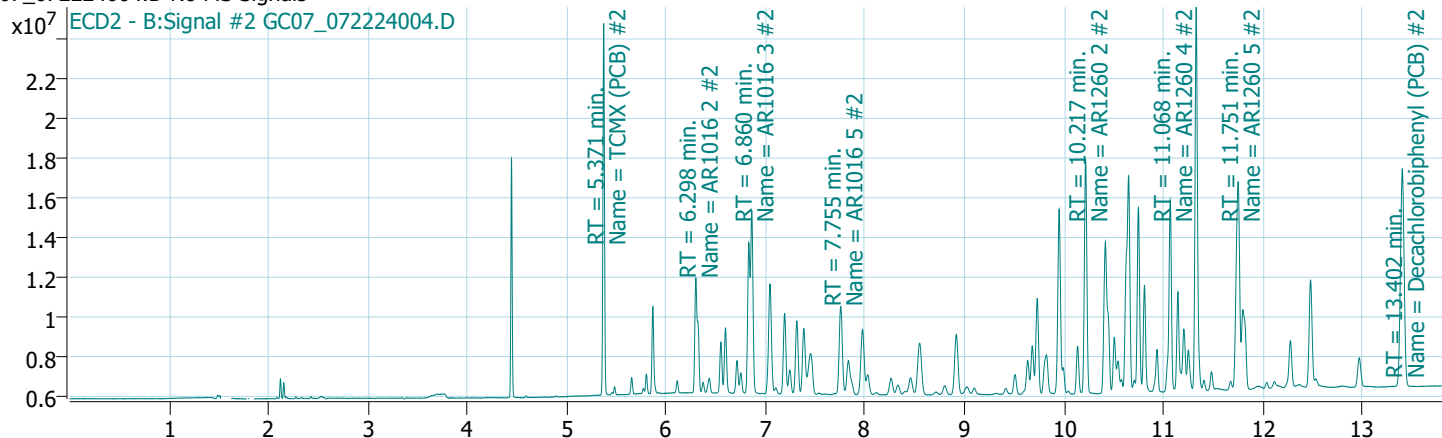
Quantitation Results Report (Not Reviewed)

Data File	GC07_072224004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	7/22/2024 10:36:50 AM
Sample Name	CCV, S21104	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_16.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	072224-PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_072224004.D No MS Signals



GC07_072224004.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.288	0.0	47936344.177	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.443	0.0	10965763.119	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.067	0.0	82893704.994	36.9147	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.57%	*	
S TCMX (PCB) #2	5.371	0.0	20879407.631	39.6968	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.48%	*	
S Decachlorobiphenyl (PCB)	12.098	0.0	115338210.788	43.6402	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.20%	*	
S Decachlorobiphenyl (PCB) #2	13.402	0.0	28470264.270	47.5248	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 237.62%	*	

Target Compounds

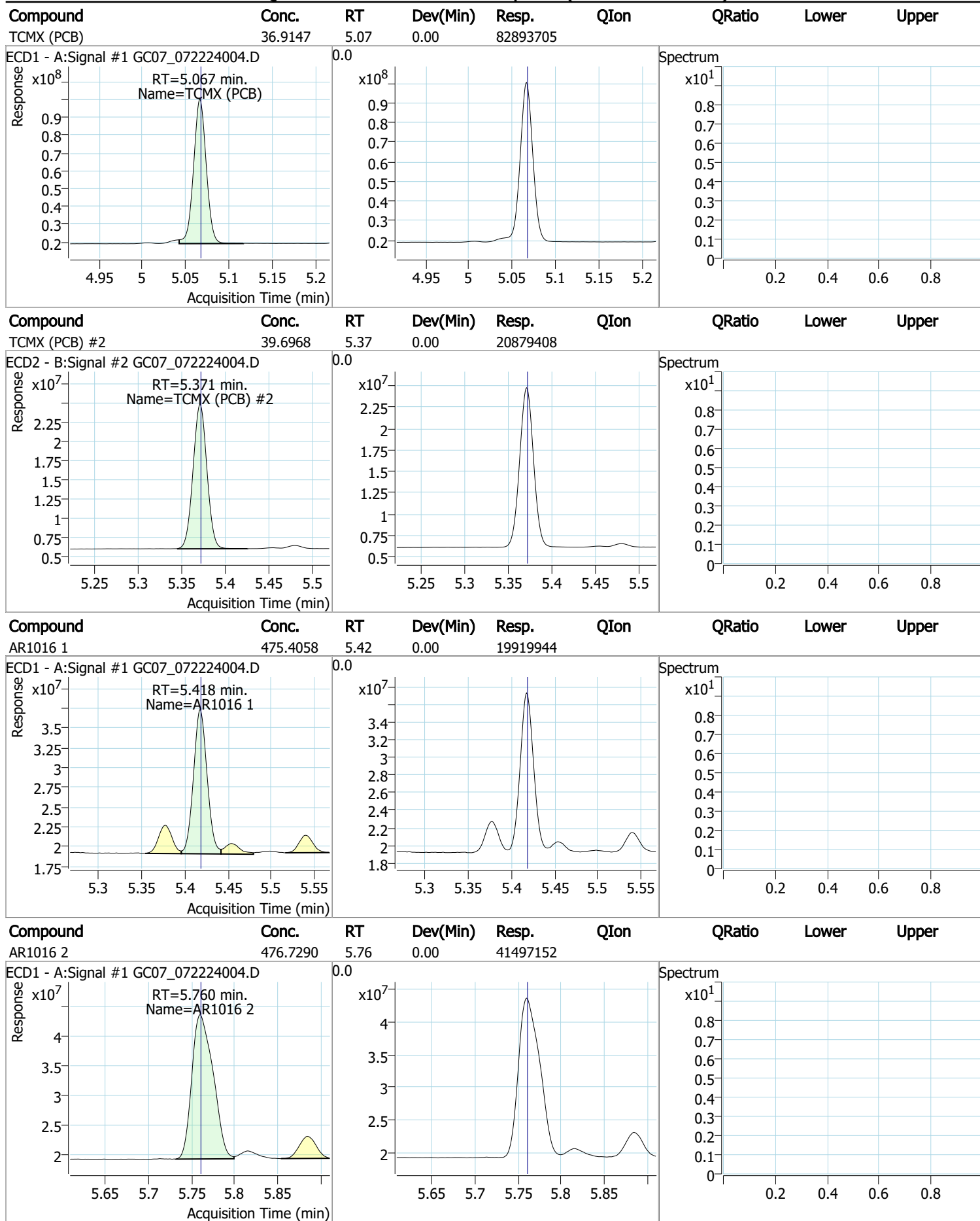
QValue

Quantitation Results Report (Not Reviewed)

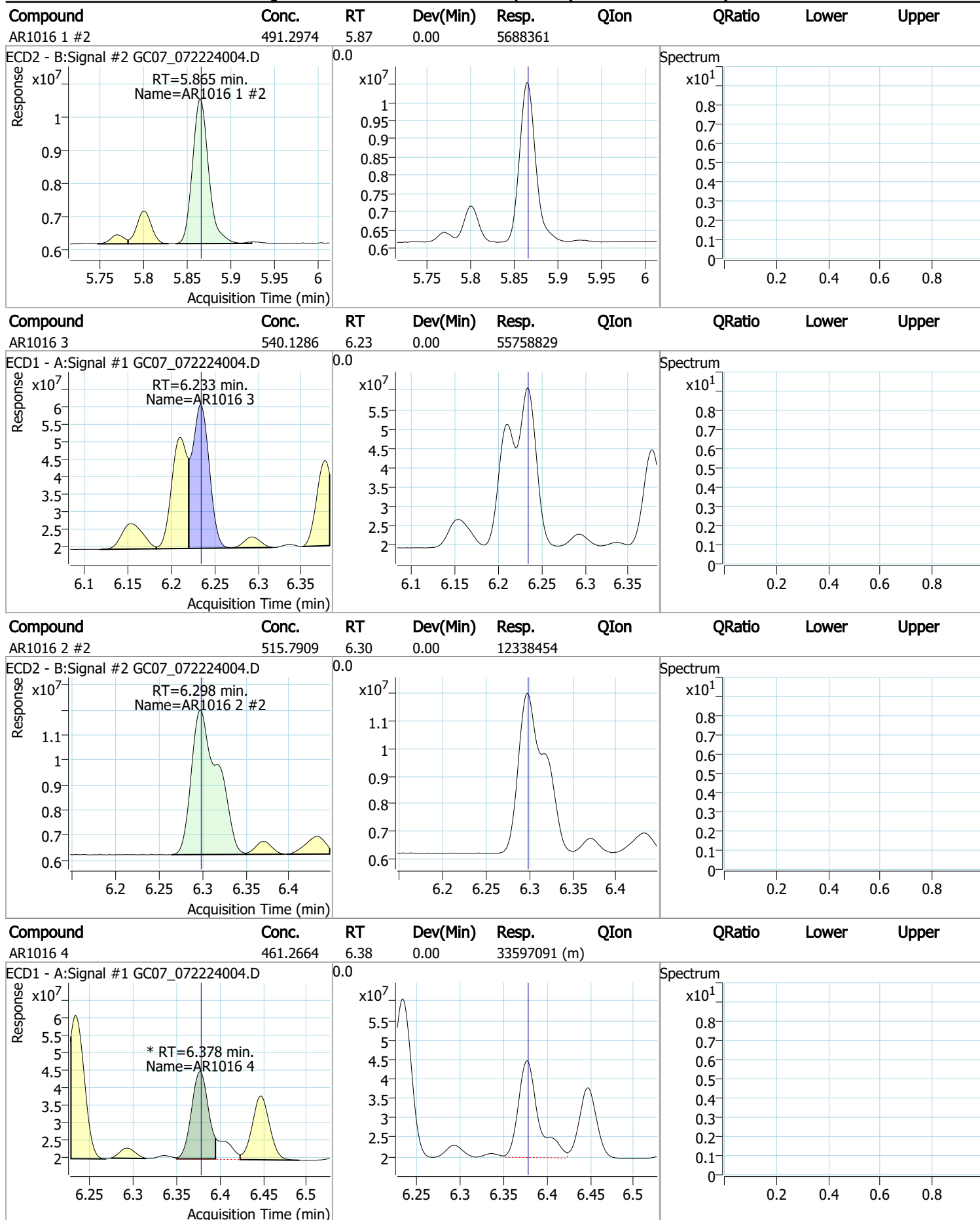
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.418	0.0	19919944.3 72	475.4058	ng/ml	100
T AR1016 2	5.760	0.0	41497151.6 92	476.7290	ng/ml	100
T AR1016 1 #2	5.865	0.0	5688360.99 8	491.2974	ng/ml	100
T AR1016 3	6.233	0.0	55758829.1 30	540.1286	ng/ml	100
T AR1016 2 #2	6.298	0.0	12338453.7 76	515.7909	ng/ml	100
T AR1016 4	6.378	0.0	33597091.0 97	461.2664	ng/ml m	100
T AR1016 5	6.848	0.0	32481264.7 85	507.3310	ng/ml	100
T AR1016 3 #2	6.860	0.0	15440600.3 66	517.5358	ng/ml	100
T AR1016 4 #2	7.043	0.0	11339496.2 83	514.1480	ng/ml	100
T AR1016 5 #2	7.755	0.0	9796964.85 5	549.2287	ng/ml	100
T AR1260 1	8.801	0.0	66669210.0 22	519.2055	ng/ml	100
T AR1260 2	9.276	0.0	103518871. 642	527.8524	ng/ml	100
T AR1260 3	9.698	0.0	116687699. 233	553.0019	ng/ml	100
T AR1260 1 #2	9.951	0.0	17605984.5 64	554.9582	ng/ml	100
T AR1260 4	10.178	0.0	68809980.5 96	564.0583	ng/ml	100
T AR1260 2 #2	10.217	0.0	20911228.0 93	524.6840	ng/ml	100
T AR1260 3 #2	10.649	0.0	26362497.2 50	549.5248	ng/ml	100
T AR1260 5	10.863	0.0	81154156.7 47	555.5481	ng/ml	100
T AR1260 4 #2	11.068	0.0	16289635.2 50	536.9968	ng/ml m	100
T AR1260 5 #2	11.751	0.0	25750016.0 44	571.7878	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

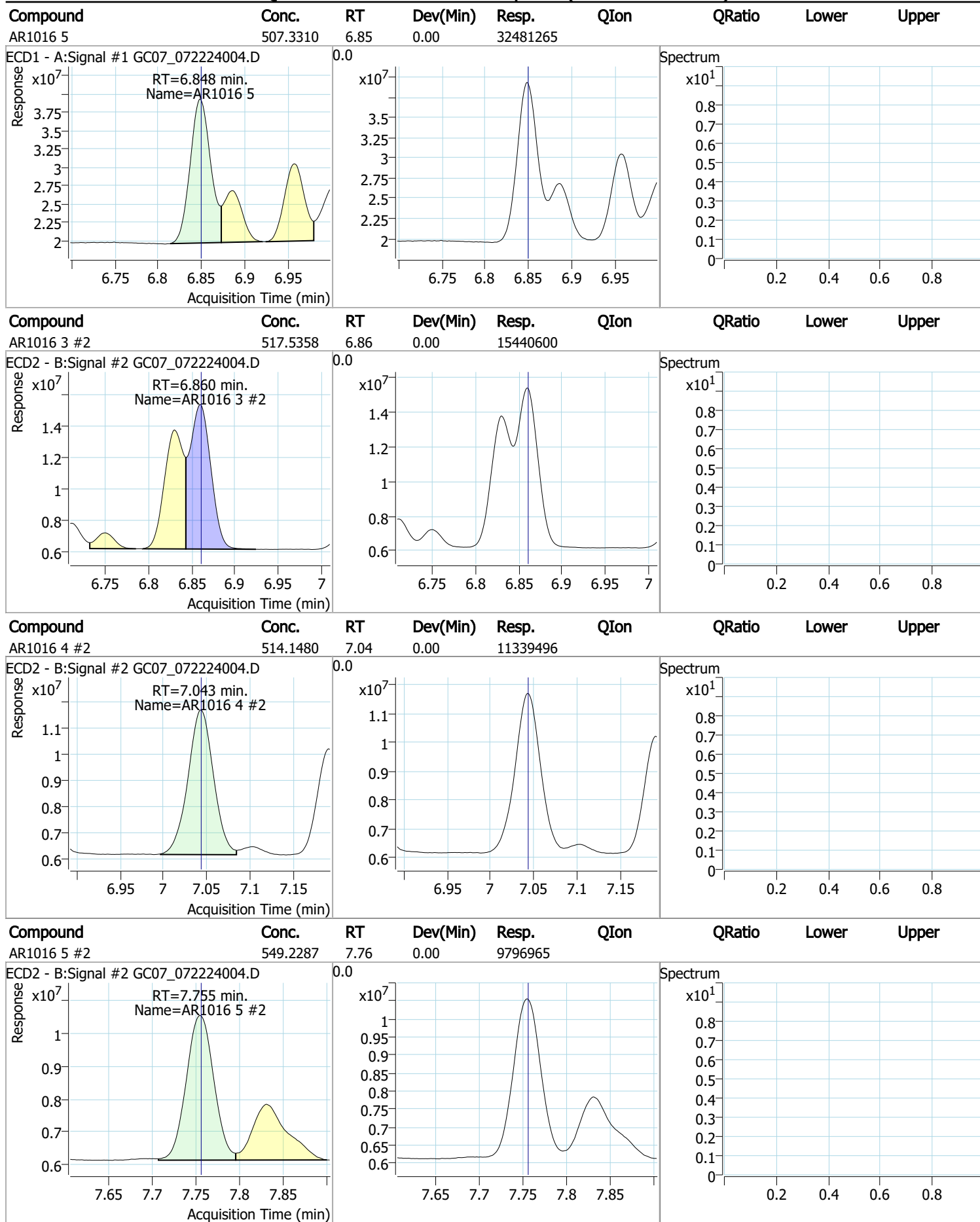
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

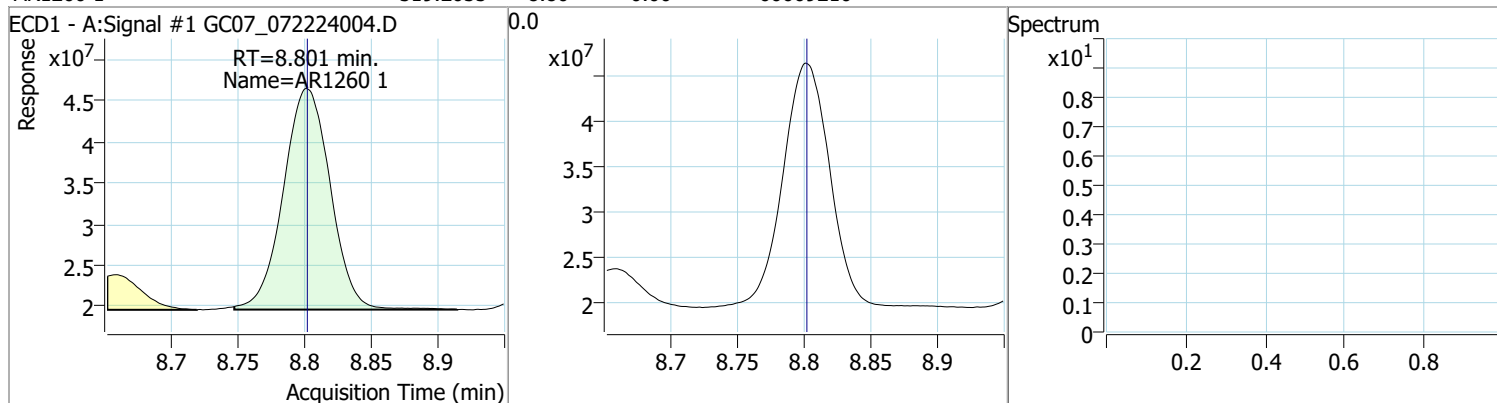


Quantitation Results Report (Not Reviewed)

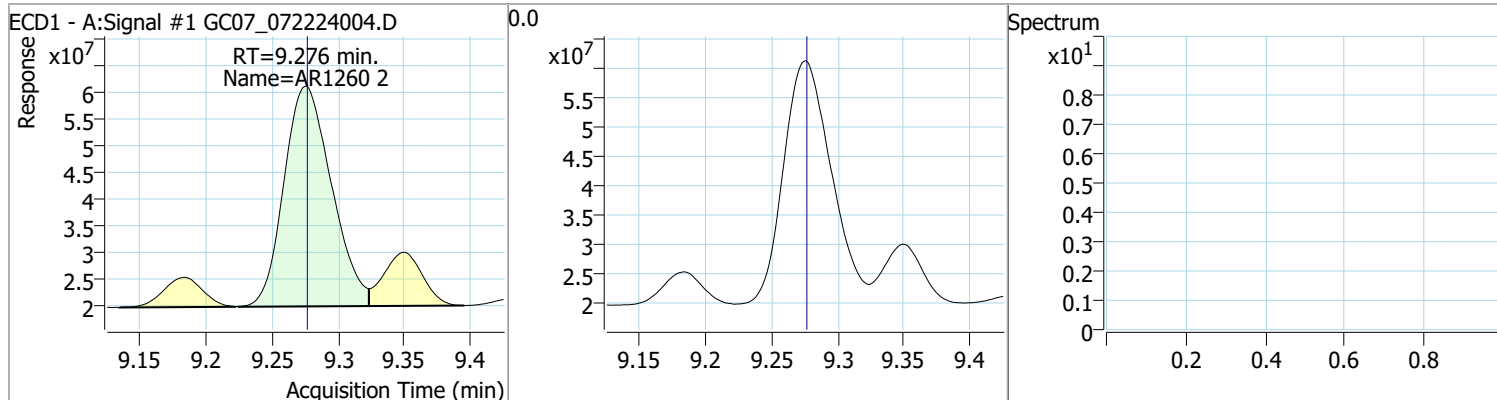


Quantitation Results Report (Not Reviewed)

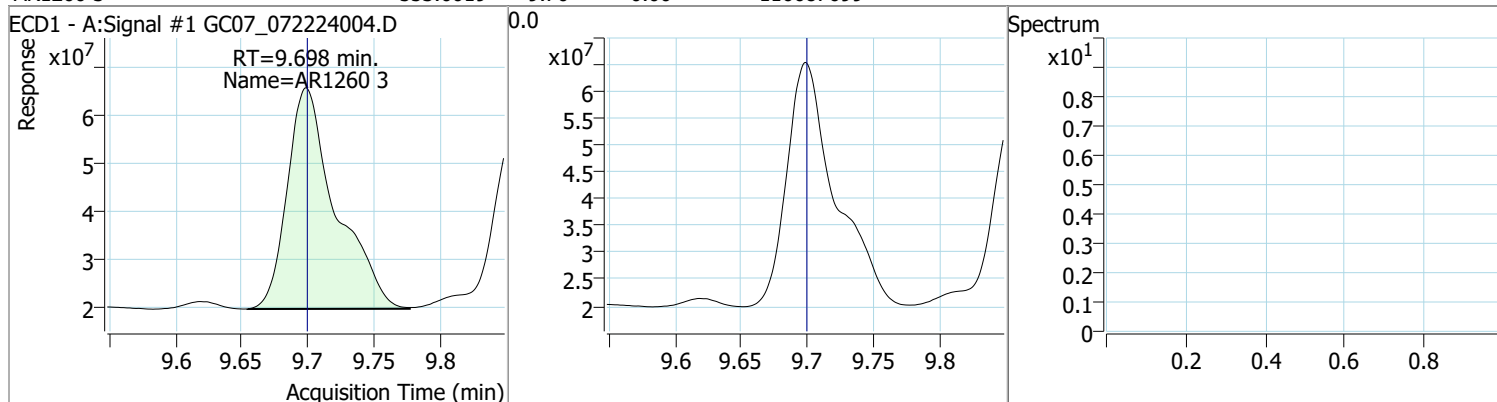
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	519.2055	8.80	0.00	66669210				



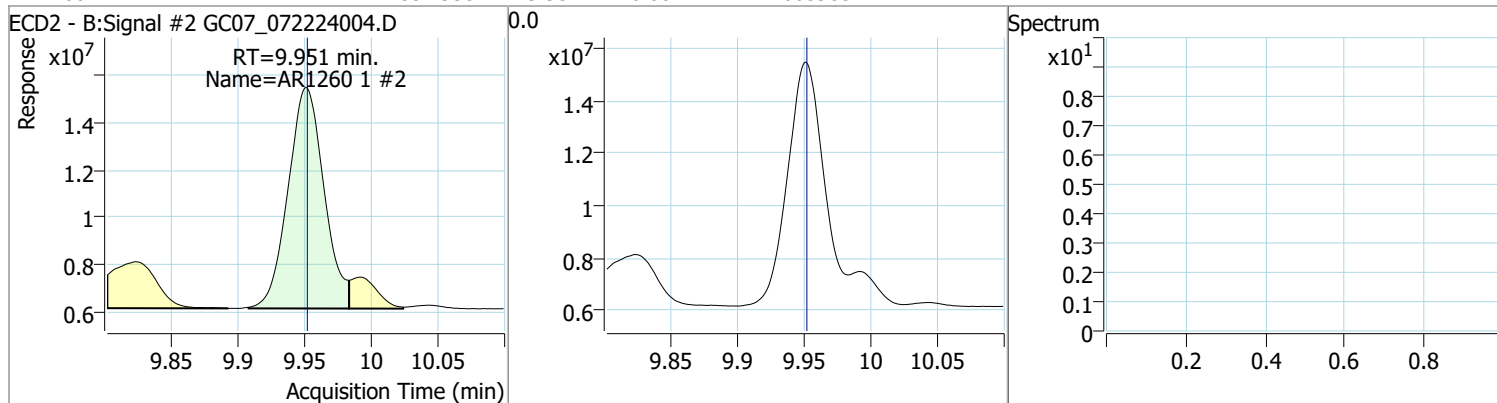
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	527.8524	9.28	0.00	103518872				



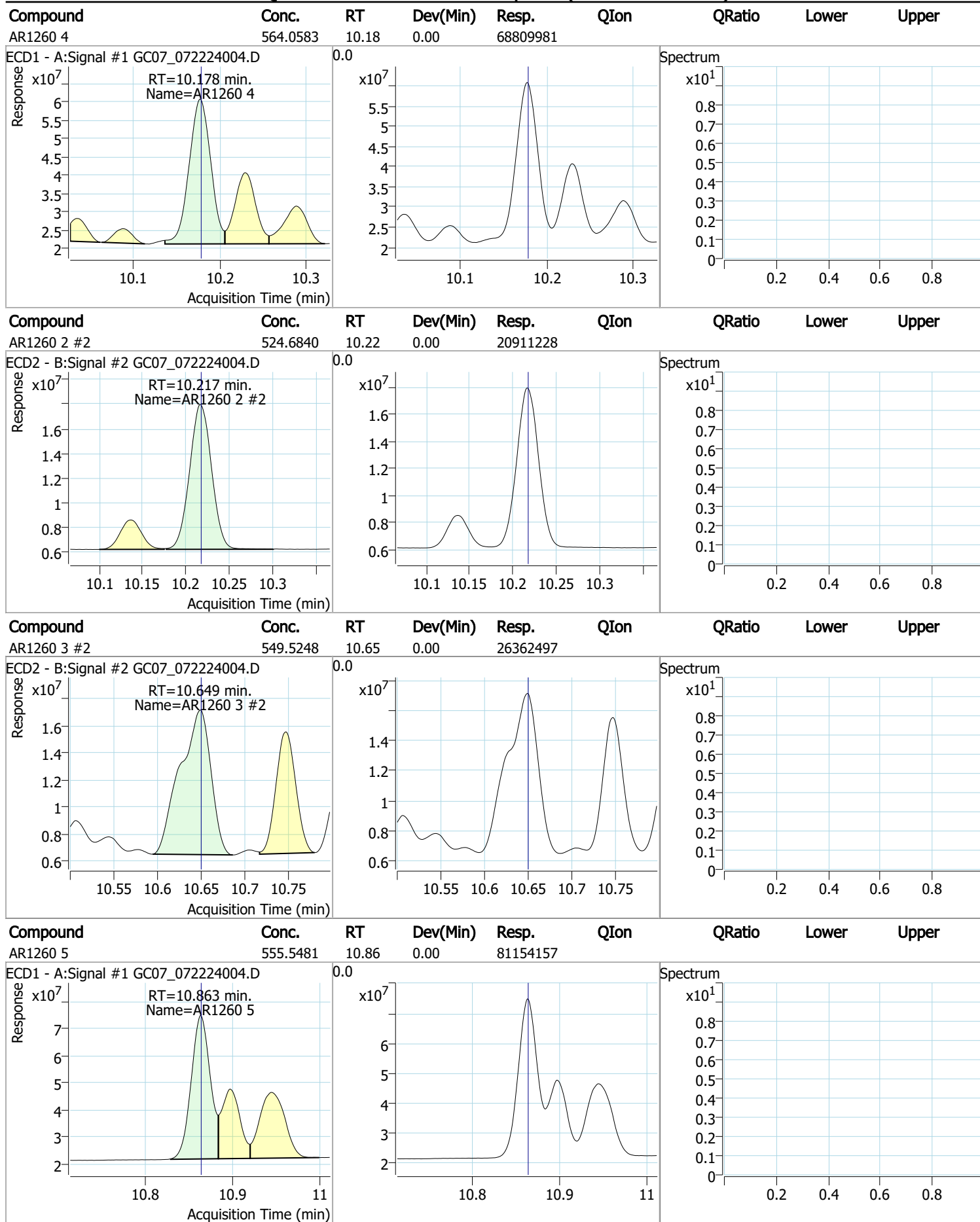
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	553.0019	9.70	0.00	116687699				



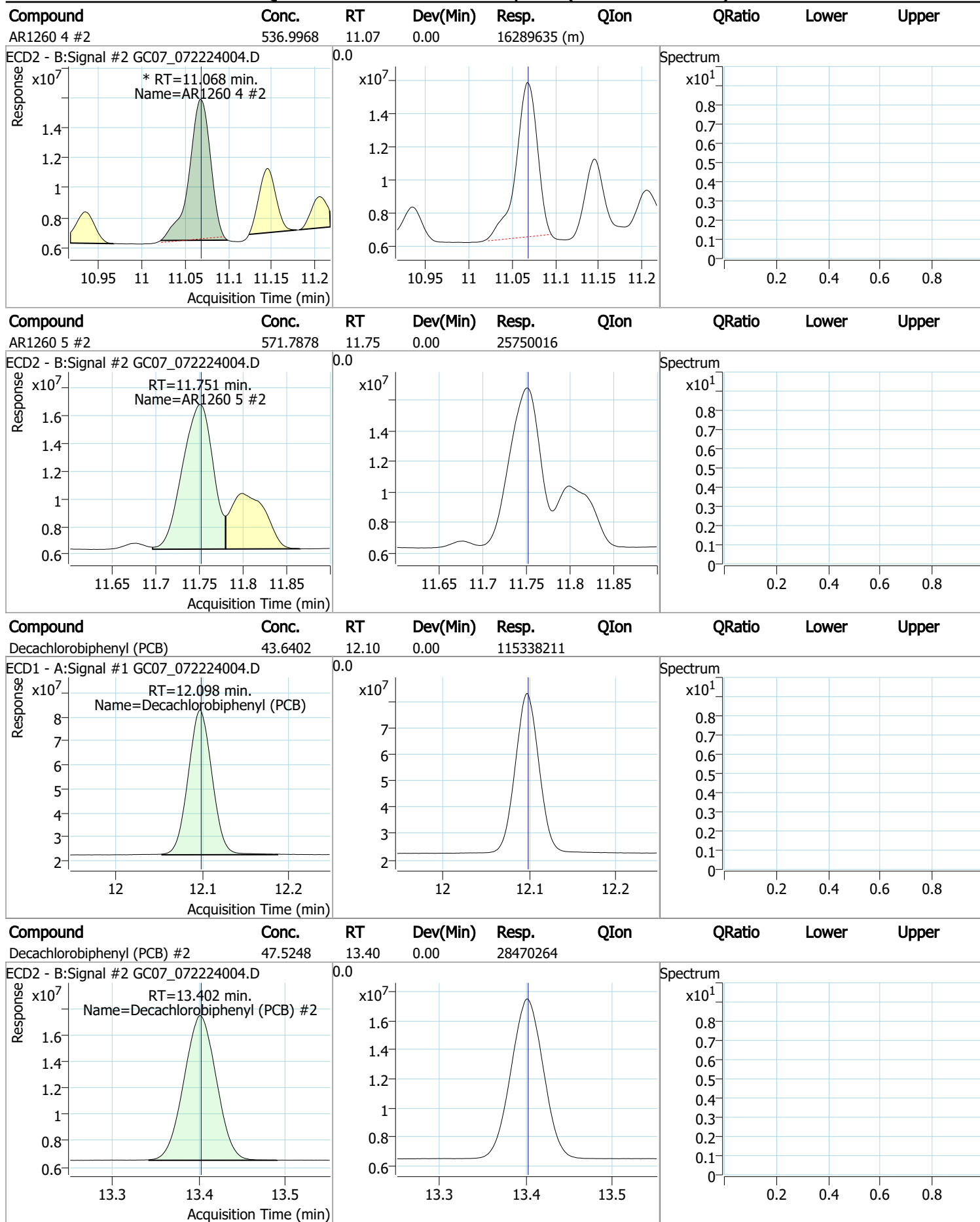
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	554.9582	9.95	0.00	17605985				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)





Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 512355
Report Level : IV
Report Date : 07/26/2024

Metals

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 512355
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/18/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.5GW-PS-21-240718-L-G	512355-002	07/18/24 07:30	Wipe
ARCH-SGW-DG-5.5 TO 17-240718-L-LA	512355-004	07/18/24 07:40	Wipe
DOOR-S-15.3GW-DG-7 TO 20-240718-L-LA	512355-006	07/18/24 08:00	Wipe
DOOR-S-15.3GW-DG-7 TO 20-240718-L-DUP-LA	512355-007	07/18/24 08:00	Wipe
DOOR-S-15.4GW-PS-20-240718-L-G	512355-009	07/18/24 08:10	Wipe
DOOR-S-15.3GW-INT-19 TO 20-240718-L-CB	512355-011	07/18/24 08:20	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 512355
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 07/18/24

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 07/19/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

512355

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange		COC ID:		Standard:		3 Day:	
931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Page: 1 of 1		X (PCBs)		5 Day:	
		Matrix: A = Air S = Soil/Solid		1 Day:		custom TAT:	
		W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water		X (PB)		Sample Receipt Temp:	
		SW = Swab T = Tissue WP = Wipe O = Other		Preservatives:		40	
				1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃		(lab use only)	
				4 = H ₂ SO ₄ 5 = NaOH 6 = Other		Report: Level IV	
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request		Test Instructions / Comments	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721			Confirmation: Wine Samples - Level IV	
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP			Report/Stage 3 Validation	
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491			Report PCB concentrations on a µg/100cm ² basis	
Address:	449 15th Street, Suite 303	P.O. #:				Report lead concentrations on a µg/t ₂ basis	
Phone:	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA			Report Aroclor 1268 concentrations in addition to the standard Aroclors	
Fax:	(651) 890-9556	Global ID:				Wipe samples collected from Zone 8 Enclosure C (Low Occupancy)	
Sampled By:		M. Kim					
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B
1 DOOR-S-15 SGW-PS-21-240718-P-G	7/18/2024	07:30	WP	1	--	X	
2 DOOR-S-15 SGW-PS-21-240718-L-G	7/18/2024	07:30	WP	1	--	X	
3 ARCH-SGW-DG-5.5 TO 17-240718-P-LA	7/18/2024	07:40	WP	1	--	X	
4 ARCH-SGW-DG-5.5 TO 17-240718-L-LA	7/18/2024	07:40	WP	1	--	X	
5 DOOR-S-15 3GW-DG-7 TO 20-240718-P-LA	7/18/2024	08:00	WP	1	--	X	
6 DOOR-S-15 3GW-DG-7 TO 20-240718-L-LA	7/18/2024	08:00	WP	1	--	X	
7 DOOR-S-15 3GW-DG-7 TO 20-240718-L-DUP-LA	7/18/2024	08:00	WP	1	--	X	
8 DOOR-S-15 4GW-PS-20-240718-P-G	7/18/2024	08:10	WP	1	--	X	
9 DOOR-S-15 4GW-PS-20-240718-L-G	7/18/2024	08:10	WP	1	--	X	
10 DOOR-S-15 3GW-INT-19 TO 20-240718-P-CB	7/18/2024	08:20	WP	1	--	X	
11 DOOR-S-15 3GW-INT-19 TO 20-240718-L-CB	7/18/2024	08:20	WP	1	--	X	
12 DOOR-S-15 2GW-INT-20 TO 21-240718-P-CB	7/18/2024		WP	1	--	X	
13 DOOR-S-15 2GW-INT-20 TO 21-240718-L-CB	7/18/2024		WP	1	--	X	
14							
15							
Relinquished By:		Signature		Print Name		Company / Title	
1	Relinquished By:	Signature	Donald Wulsh	Donald Wulsh		Rincon / Env. Scientist	
2	Received By:	Signature	Audrey Hudson	Audrey Hudson		ENTHALPY "	
3	Relinquished By:	Signature	Audrey Hudson	"		"	
4	Received By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
5	Relinquished By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
6	Received By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
7	Relinquished By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
8	Received By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
9	Relinquished By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
10	Received By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
11	Relinquished By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
12	Received By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
13	Relinquished By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
14	Received By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
15	Relinquished By:	Signature	Manuel A. Go	Manuel A. Go		RIN	
						Date / Time	
						7/18/24 14:50	
						7/18/24 14:50	
						7/18/24 16:47	
						7/18/24 16:47	
						7/18/24 17:46	
						7/19/24 17:46	



ENTHALPY
ANALYTICAL

Date Labeled 7/19/24 By (print) mi (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.



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA
Date Received: 07/19/24 Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 4.0 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 4.0 #2: _____ #3: _____ #4: _____

Section 4

	YES	NO	N/A
Was a COC received?	☒		
Are sample IDs present?	☒		
Are sampling dates & times present?	☒		
Is a relinquished signature present?	☒		
Are the tests required clearly indicated on the COC?	☒		
Are custody seals present?		☒	
If custody seals are present, were they intact?			☒
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			☒
Did all samples arrive intact? If no, indicate in Section 4 below.	☒		
Did all bottle labels agree with COC? (ID, dates and times)	☒		
Were the samples collected in the correct containers for the required tests?	☒		
Are the containers labeled with the correct preservatives?	☒		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			☒
Was a sufficient amount of sample submitted for the requested tests?	☒		

Section 5 Explanations/Comments

512355

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time: _____
☐ Email (email sent to/on): _____ / _____
Project Manager's response: _____

Completed By: J. Quintana Date: 07/19/24

SOUTHWEST AIRLINES

Printed on:
18 JUL 19:26

526 OAK 1528 9610



SNA

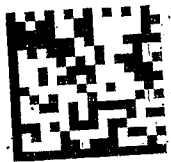
PC#
1 OF 5

DG
G

LOT WT
140 LB
(63.5 KG)

OAK WN 941 19 JUL 06:20

STN FLT DATE ETD LOT 01



PC ID: 0001
PC WT: 28LB

526 15289610 0001

NFG

Results & QC Summary

Lead

Lab #: 512355		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.5GW-PS-21-240718-L-G	Batch#: 345556	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 6010B	
Lab ID: 512355-002	Received: 07/18/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/19/24		
Diln Fac: 1.000	Analyzed: 07/19/24		
512355-002 Analyte		Result	RL Units
Lead		70	0.50 ug/ft2
Field ID: ARCH-SGW-DG-5.5 TO 17-240718-L-LA		Batch#: 345556	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/18/24	Analysis: EPA 6010B
Lab ID: 512355-004		Received: 07/18/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/19/24	
Diln Fac: 1.000		Analyzed: 07/19/24	
512355-004 Analyte		Result	RL Units
Lead		250	0.50 ug/ft2
Field ID: DOOR-S-15.3GW-DG-7 TO 20-240718-L-LA		Batch#: 345556	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/18/24	Analysis: EPA 6010B
Lab ID: 512355-006		Received: 07/18/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/19/24	
Diln Fac: 1.000		Analyzed: 07/19/24	
512355-006 Analyte		Result	RL Units
Lead		240	0.50 ug/ft2
Field ID: DOOR-S-15.3GW-DG-7 TO 20-240718-L-DUP-LA		Batch#: 345556	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/18/24	Analysis: EPA 6010B
Lab ID: 512355-007		Received: 07/18/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/19/24	
Diln Fac: 1.000		Analyzed: 07/19/24	
512355-007 Analyte		Result	RL Units
Lead		54	0.50 ug/ft2
Field ID: DOOR-S-15.4GW-PS-20-240718-L-G		Batch#: 345556	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/18/24	Analysis: EPA 6010B
Lab ID: 512355-009		Received: 07/18/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/19/24	
Diln Fac: 1.000		Analyzed: 07/19/24	
512355-009 Analyte		Result	RL Units
Lead		110	0.50 ug/ft2

Lead

Lab #: 512355	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.3GW-INT-19 TO 20-240718-L-CB	Batch#: 345556	Prep: EPA 3050B
Type: SAMPLE	Sampled: 07/18/24	Analysis: EPA 6010B
Lab ID: 512355-011	Received: 07/18/24	Analyst: SBW
Matrix: Wipe	Prepared: 07/19/24	
Diln Fac: 1.000	Analyzed: 07/19/24	

512355-011 Analyte	Result	RL	Units
Lead	140	0.50	ug/ft2

Type: BLANK	Batch#: 345556	Analysis: EPA 6010B
Lab ID: QC1170951	Prepared: 07/19/24	Analyst: SBW
Matrix: Wipe	Analyzed: 07/19/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1170951 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 512355

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1170952

Matrix: Wipe

Diln Fac: 1.000

Batch#: 345556

Prepared: 07/19/24

Analyzed: 07/19/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1170952 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.53	105	80-120	ug/ft2

Type: BSD

Lab ID: QC1170953

Matrix: Wipe

Diln Fac: 1.000

Batch#: 345556

Prepared: 07/19/24

Analyzed: 07/19/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1170953 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.21	102	80-120	ug/ft2	3	20

Legend

RPD: Relative Percent
Difference

REPORTING SUMMARY FOR 512355 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	P B
512355-002	MET09	07/19/24 18:15	1.0	✓
512355-004	MET09	07/19/24 18:18	1.0	✓
512355-006	MET09	07/19/24 18:22	1.0	✓
512355-007	MET09	07/19/24 18:25	1.0	✓
512355-009	MET09	07/19/24 18:28	1.0	✓
512355-011	MET09	07/19/24 18:31	1.0	✓
QC1170951	MET09	07/19/24 18:06	1.0	✓
QC1170952	MET09	07/19/24 18:09	1.0	✓
QC1170953	MET09	07/19/24 18:12	1.0	✓

Instrument: MET09
Method: EPA 6010B

Begun: 07/19/24 08:45

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
001	icp data	ICALBLK				07/19/24 08:45	1.0		
002	icp data	ICALBLK				07/19/24 08:48	1.0		
003	icp data	ICALBLK				07/19/24 08:50	1.0		
004	icp data	ICAL	L1			07/19/24 08:54	1.0	1	
005	icp data	ICAL	L2			07/19/24 08:57	1.0	2	
006	icp data	ICAL	L3			07/19/24 09:00	1.0	3	
007	icp data	ICAL	L4			07/19/24 09:03	1.0	4	
008	icp data	ICAL	L5			07/19/24 09:06	1.0	5	
009	icp data	ICAL	L6			07/19/24 09:09	1.0	6	
010	icp data	ICAL	L7			07/19/24 09:12	1.0	7	
011	icp data	ICAL	L8			07/19/24 09:15	1.0	8	
012	icp data	ICV				07/19/24 09:19	1.0	9	
013	icp data	ICB				07/19/24 09:22	1.0		
014	icp data	CRI				07/19/24 09:25	1.0	10	
015	icp data	ICSA				07/19/24 09:28	1.0	11	6:MGASMGCO3=1400
016	icp data	ICSAB				07/19/24 09:31	1.0	12	6:MGASMGCO3=1400
017	icp data	BLANK	QC1170190	Water	345342	07/19/24 09:34	1.0	13	
018	icp data	LCS	QC1170191	Water	345342	07/19/24 09:37	1.0	13	
019	icp data	LCS	QC1170459	Filtrate	345417	07/19/24 09:40	1.0	13	
020	icp data	SAMPLE	512208-001	Water	345342	07/19/24 09:44	1.0	13	
021	icp data	SAMPLE	512233-001	Water	345342	07/19/24 09:47	1.0	13	1:NA=2000
022	icp data	SAMPLE	512265-001	Water	345342	07/19/24 09:50	1.0	13	
023	icp data	MSS	512266-001	Water	345342	07/19/24 09:53	1.0	13	
024	icp data	MS	QC1170192	Water	345342	07/19/24 09:56	1.0	13	
025	icp data	MSD	QC1170193	Water	345342	07/19/24 09:59	1.0	13	
026	icp data	SAMPLE	512267-001	Water	345342	07/19/24 10:02	1.0	13	1:B=19
027	icp data	CCV				07/19/24 10:05	1.0	9	
028	icp data	CCB				07/19/24 10:09	1.0		
029	icp data	BLANK	QC1170735	Water	345494	07/19/24 10:39	1.0	13	
030	icp data	LCS	QC1170736	Water	345494	07/19/24 10:42	1.0	13	
031	icp data	SAMPLE	511878-001	Water	345494	07/19/24 10:45	1.0	13	1:FE=19
032	icp data	SAMPLE	512433-001	Water	345494	07/19/24 10:48	1.0	13	
033	icp data	SAMPLE	512434-001	Water	345494	07/19/24 10:52	1.0	13	1:TI=130
034	icp data	SAMPLE	512435-001	Water	345494	07/19/24 10:55	1.0	13	1:TI=28
035	icp data	MSS	512453-012	Water	345494	07/19/24 10:58	1.0	13	
036	icp data	MS	QC1170737	Water	345494	07/19/24 11:01	1.0	13	
037	icp data	MSD	QC1170738	Water	345494	07/19/24 11:04	1.0	13	
038	icp data	SAMPLE	512455-001	Water	345494	07/19/24 11:07	1.0	13	
039	icp data	CCV				07/19/24 11:10	1.0	9	
040	icp data	CCB				07/19/24 11:13	1.0		
041	icp data	SAMPLE	512456-001	Water	345494	07/19/24 11:16	1.0	13	2:FE=53
042	icp data	SAMPLE	512457-001	Water	345494	07/19/24 11:20	1.0	13	1:FE=40
043	icp data	SAMPLE	512457-002	Water	345494	07/19/24 11:23	1.0	13	1:FE=32
044	icp data	SAMPLE	512457-003	Water	345494	07/19/24 11:26	1.0	13	1:FE=49
045	icp data	SAMPLE	512457-004	Water	345494	07/19/24 11:29	1.0	13	1:FE=35
046	icp data	SAMPLE	512457-005	Water	345494	07/19/24 11:32	1.0	13	
047	icp data	SAMPLE	512457-006	Water	345494	07/19/24 11:35	1.0	13	1:FE=21
048	icp data	CCV				07/19/24 11:38	1.0	9	
049	icp data	CCB				07/19/24 11:41	1.0		
050	icp data	BLANK	QC1170771	Water	345503	07/19/24 11:45	1.0	13	
051	icp data	LCS	QC1170772	Water	345503	07/19/24 11:48	1.0	13	
052	icp data	SAMPLE	512331-001	Water	345503	07/19/24 11:51	1.0	13	
053	icp data	MSS	512338-002	Water	345503	07/19/24 11:54	1.0	13	
054	icp data	MS	QC1170773	Water	345503	07/19/24 11:57	1.0	13	
055	icp data	MSD	QC1170774	Water	345503	07/19/24 12:00	1.0	13	

Instrument: MET09
Method: EPA 6010B

Begun: 07/19/24 08:45

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
056	icp data	SAMPLE	512416-001	Water	345503	07/19/24 12:03	1.0	13	
057	icp data	SAMPLE	512417-002	Water	345503	07/19/24 12:06	1.0	13	1:B=21
058	icp data	SAMPLE	512427-001	Water	345503	07/19/24 12:09	1.0	13	1:NA=970
059	icp data	BLANK	QC1170801	Filtrate	345509	07/19/24 12:13	1.0	13	
060	icp data	CCV				07/19/24 12:16	1.0	9	
061	icp data	CCB				07/19/24 12:19	1.0		
062	icp data	LCS	QC1170802	Filtrate	345509	07/19/24 12:22	1.0	13	
063	icp data	MSS	512367-002	Filtrate	345509	07/19/24 12:25	1.0	13	1:CAASCACO3=280
064	icp data	MS	QC1170803	Filtrate	345509	07/19/24 12:28	1.0	13	1:CAASCACO3=320
065	icp data	MSD	QC1170804	Filtrate	345509	07/19/24 12:31	1.0	13	1:CAASCACO3=330
066	icp data	SAMPLE	512367-003	Filtrate	345509	07/19/24 12:34	1.0	13	
067	icp data	SAMPLE	512367-004	Filtrate	345509	07/19/24 12:38	1.0	13	
068	icp data	SAMPLE	512369-001	Filtrate	345509	07/19/24 12:41	1.0	13	
069	icp data	SAMPLE	512369-002	Filtrate	345509	07/19/24 12:44	1.0	13	
070	icp data	SAMPLE	512369-003	Filtrate	345509	07/19/24 12:47	1.0	13	
071	icp data	SAMPLE	512369-004	Filtrate	345509	07/19/24 12:50	1.0	13	
072	icp data	CCV				07/19/24 12:53	1.0	9	
073	icp data	CCB				07/19/24 12:56	1.0		
074	icp data	SAMPLE	512369-005	Filtrate	345509	07/19/24 12:59	1.0	13	
075	icp data	SAMPLE	512376-002	Filtrate	345509	07/19/24 13:02	100.0	13	1:MN=13
076	icp data	SAMPLE	512376-005	Filtrate	345509	07/19/24 13:06	50.0	13	
077	icp data	SAMPLE	512376-008	Filtrate	345509	07/19/24 13:09	1.0	13	
078	icp data	BLANK	QC1170779	Water	345504	07/19/24 13:18	1.0	13	
079	icp data	IDOC	QC1170780	Water	345504	07/19/24 13:21	1.0	13	
080	icp data	IDOC	QC1170781	Water	345504	07/19/24 13:24	1.0	13	
081	icp data	IDOC	QC1170782	Water	345504	07/19/24 13:27	1.0	13	
082	icp data	IDOC	QC1170783	Water	345504	07/19/24 13:30	1.0	13	
083	icp data	BLANK	QC1170820	Wipe	345516	07/19/24 13:34	1.0	13	
084	icp data	CCV				07/19/24 13:37	1.0	9	
085	icp data	CCB				07/19/24 13:40	1.0		
086	icp data	BS	QC1170821	Wipe	345516	07/19/24 13:43	1.0	13	
087	icp data	BSD	QC1170822	Wipe	345516	07/19/24 13:46	1.0	13	
088	icp data	SAMPLE	512323-001	Wipe	345516	07/19/24 13:49	1.0	13	1:NI=9.1
089	icp data	SAMPLE	512323-002	Wipe	345516	07/19/24 13:52	1.0	13	
090	icp data	SAMPLE	512323-003	Wipe	345516	07/19/24 13:55	1.0	13	
091	icp data	BLANK	QC1170739	Miscell.	345495	07/19/24 13:59	1.0	13	
092	icp data	LCS	QC1170740	Miscell.	345495	07/19/24 14:02	1.0	13	
093	icp data	MSS	512459-001	Miscell.	345495	07/19/24 14:05	1.0	13	2:FEASFE2O3=75
094	icp data	MS	QC1170741	Miscell.	345495	07/19/24 14:08	1.0	13	4:FEASFE2O3=86
095	icp data	MSD	QC1170742	Miscell.	345495	07/19/24 14:11	1.0	13	4:FEASFE2O3=86
096	icp data	CCV				07/19/24 14:14	1.0	9	
097	icp data	CCB				07/19/24 14:17	1.0		
098	icp data	PDS	QC1170743	Miscell.	345495	07/19/24 14:20	1.0	13	2:FEASFE2O3=74
099	icp data	SAMPLE	512459-002	Miscell.	345495	07/19/24 14:24	1.0	13	1:FE=56
100	icp data	BLANK	QC1170892	Water	345537	07/19/24 14:27	1.0	13	
101	icp data	LCS	QC1170893	Water	345537	07/19/24 14:30	1.0	13	
102	icp data	MSS	512465-001	Water	345537	07/19/24 14:33	1.0	13	
103	icp data	MS	QC1170894	Water	345537	07/19/24 14:36	1.0	13	
104	icp data	MSD	QC1170895	Water	345537	07/19/24 14:39	1.0	13	
105	icp data	SAMPLE	512376-002	Filtrate	345509	07/19/24 14:42	20.0	13	1:MN=48
106	icp data	SAMPLE	512376-005	Filtrate	345509	07/19/24 14:45	20.0	13	
107	icp data	SAMPLE	512367-001	Filtrate	345509	07/19/24 14:50	1.0	13	
108	icp data	CCV				07/19/24 14:53	1.0	9	
109	icp data	CCB				07/19/24 14:56	1.0		
110	icp data	LCS	QC1170802	Filtrate	345509	07/19/24 14:59	1.0	13	

Instrument: MET09
Method: EPA 6010B

Begun: 07/19/24 08:45

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
111	icp data	BLANK	QC1170834	Water	345520	07/19/24 15:26	1.0	13	
112	icp data	IDOC	QC1170835	Water	345520	07/19/24 15:29	1.0	13	
113	icp data	IDOC	QC1170836	Water	345520	07/19/24 15:32	1.0	13	
114	icp data	IDOC	QC1170837	Water	345520	07/19/24 15:35	1.0	13	
115	icp data	IDOC	QC1170838	Water	345520	07/19/24 15:38	1.0	13	
116	icp data	BLANK	QC1170779	Water	345504	07/19/24 15:41	1.0	13	
117	icp data	IDOC	QC1170780	Water	345504	07/19/24 15:44	1.0	13	
118	icp data	IDOC	QC1170781	Water	345504	07/19/24 15:47	1.0	13	
119	icp data	IDOC	QC1170782	Water	345504	07/19/24 15:50	1.0	13	
120	icp data	CCV				07/19/24 15:54	1.0	9	
121	icp data	CCB				07/19/24 15:57	1.0		
122	icp data	IDOC	QC1170783	Water	345504	07/19/24 16:00	1.0	13	
123	icp data	BLANK	QC1170839	Water	345521	07/19/24 16:03	1.0	13	
124	icp data	IDOC	QC1170840	Water	345521	07/19/24 16:06	1.0	13	
125	icp data	IDOC	QC1170841	Water	345521	07/19/24 16:09	1.0	13	
126	icp data	IDOC	QC1170842	Water	345521	07/19/24 16:12	1.0	13	
127	icp data	IDOC	QC1170843	Water	345521	07/19/24 16:15	1.0	13	
128	icp data	CCV				07/19/24 16:19	1.0	9	
129	icp data	CCB				07/19/24 16:22	1.0		
130	icp data	BLANK	QC1170889	Wipe	345535	07/19/24 16:31	1.0	13	
131	icp data	BS	QC1170890	Wipe	345535	07/19/24 16:34	1.0	13	
132	icp data	BSD	QC1170891	Wipe	345535	07/19/24 16:37	1.0	13	
133	icp data	SAMPLE	512437-001	Wipe	345535	07/19/24 16:40	1.0	13	2:ZN=230
134	icp data	CCV				07/19/24 16:44	1.0	9	
135	icp data	CCB				07/19/24 16:47	1.0		
136	icp data	SAMPLE	512437-002	Wipe	345535	07/19/24 16:50	1.0	13	2:ZN=140
137	icp data	SAMPLE	512437-003	Wipe	345535	07/19/24 16:53	1.0	13	1:FE=98
138	icp data	SAMPLE	512437-004	Wipe	345535	07/19/24 16:56	1.0	13	2:ZN=92
139	icp data	SAMPLE	512437-005	Wipe	345535	07/19/24 16:59	1.0	13	1:FE=77
140	icp data	SAMPLE	512437-006	Wipe	345535	07/19/24 17:02	1.0	13	1:FE=160
141	icp data	SAMPLE	512437-007	Wipe	345535	07/19/24 17:05	1.0	13	2:ZN=190
142	icp data	SAMPLE	512437-008	Wipe	345535	07/19/24 17:09	1.0	13	2:FE=140
143	icp data	SAMPLE	512437-013	Wipe	345535	07/19/24 17:12	1.0	13	1:FE=89
144	icp data	SAMPLE	512437-014	Wipe	345535	07/19/24 17:15	1.0	13	1:FE=91
145	icp data	SAMPLE	512437-015	Wipe	345535	07/19/24 17:18	1.0	13	1:FE=150
146	icp data	CCV				07/19/24 17:21	1.0	9	
147	icp data	CCB				07/19/24 17:24	1.0		
148	icp data	SAMPLE	512437-016	Wipe	345535	07/19/24 17:27	1.0	13	1:FE=61
149	icp data	SAMPLE	512437-017	Wipe	345535	07/19/24 17:30	1.0	13	2:ZN=130
150	icp data	SAMPLE	512437-018	Wipe	345535	07/19/24 17:33	1.0	13	1:FE=81
151	icp data	SAMPLE	512437-019	Wipe	345535	07/19/24 17:37	1.0	13	1:FE=100
152	icp data	SAMPLE	512437-020	Wipe	345535	07/19/24 17:40	1.0	13	1:FE=130
153	icp data	SAMPLE	512437-021	Wipe	345535	07/19/24 17:43	1.0	13	
154	icp data	SAMPLE	512437-022	Wipe	345535	07/19/24 17:46	1.0	13	
155	icp data	SAMPLE	512437-023	Wipe	345535	07/19/24 17:49	1.0	13	
156	icp data	SAMPLE	512437-024	Wipe	345535	07/19/24 17:52	1.0	13	
157	icp data	CCV				07/19/24 17:55	1.0	9	
158	icp data	CCB				07/19/24 17:58	1.0		
159	icp data	BLANK	QC1170951	Wipe	345556	07/19/24 18:06	1.0	13	
160	icp data	BS	QC1170952	Wipe	345556	07/19/24 18:09	1.0	13	
161	icp data	BSD	QC1170953	Wipe	345556	07/19/24 18:12	1.0	13	
162	icp data	SAMPLE	512355-002	Wipe	345556	07/19/24 18:15	1.0	13	1:FE=55
163	icp data	SAMPLE	512355-004	Wipe	345556	07/19/24 18:18	1.0	13	1:FE=43
164	icp data	SAMPLE	512355-006	Wipe	345556	07/19/24 18:22	1.0	13	2:ZN=250
165	icp data	SAMPLE	512355-007	Wipe	345556	07/19/24 18:25	1.0	13	1:FE=57

Instrument: MET09
Method: EPA 6010B

Begun: 07/19/24 08:45

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
166	icp data	SAMPLE	512355-009	Wipe	345556	07/19/24 18:28	1.0	13	1:FE=43
167	icp data	SAMPLE	512355-011	Wipe	345556	07/19/24 18:31	1.0	13	2:ZN=160
168	icp data	SAMPLE	512356-002	Wipe	345556	07/19/24 18:34	1.0	13	3:ZN=130
169	icp data	CCV				07/19/24 18:37	1.0	9	
170	icp data	CCB				07/19/24 18:40	1.0		
171	icp data	SAMPLE	512356-003	Wipe	345556	07/19/24 18:43	1.0	13	1:FE=41
172	icp data	SAMPLE	512356-005	Wipe	345556	07/19/24 18:47	1.0	13	2:FE=50
173	icp data	SAMPLE	512356-007	Wipe	345556	07/19/24 18:50	1.0	13	2:ZN=130
174	icp data	SAMPLE	512356-010	Wipe	345556	07/19/24 18:53	1.0	13	2:ZN=55
175	icp data	SAMPLE	512356-012	Wipe	345556	07/19/24 18:56	1.0	13	1:FE=60
176	icp data	CCV				07/19/24 18:59	1.0	9	
177	icp data	CCB				07/19/24 19:02	1.0		

KCD 07/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 28.

KCD 07/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 29 through 49.

KCD 07/20/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 50 through 177.

Standards Used:

1=S21190 2=S21189 3=S21188 4=S21187 5=S21186 6=S21166 7=S20458 8=S21161 9=S21181 10=S20783 11=S21125 12=S21126 13=S16862

Date: 07/19/24			Reference: icp data	
Sequence: MET09 07/19/24			Analyzed: 07/19/24 08:50	
#	Type	Sample ID	Y A	Y R
		ICALBLK STD	359055	174830
		LOWER LIMIT	107717	52449
		UPPER LIMIT	718111	349660
013	ICB		358488	182102
015	ICSA		324220	164701
016	ICSAB		323924	163698
017	BLANK	QC1170190	372560	186860
018	LCS	QC1170191	361033	179913
019	LCS	QC1170459	364467	182118
020	SAMPLE	512208-001	349163	172015
021	SAMPLE	512233-001	343597	166108
022	SAMPLE	512265-001	354317	176640
023	MSS	512266-001	366807	184746
024	MS	QC1170192	363225	182802
025	MSD	QC1170193	364873	183030
026	SAMPLE	512267-001	345661	171445
027	CCV		339506	174544
028	CCB		355503	181643
029	BLANK	QC1170735	345025	168049
030	LCS	QC1170736	344847	167819
031	SAMPLE	511878-001	334012	162920
032	SAMPLE	512433-001	345346	175640
033	SAMPLE	512434-001	352885	180020
034	SAMPLE	512435-001	336901	172481
035	MSS	512453-012	350001	180365
036	MS	QC1170737	345345	177651
037	MSD	QC1170738	346197	176942
038	SAMPLE	512455-001	338878	175856
039	CCV		346062	174142
040	CCB		356753	181336
041	SAMPLE	512456-001	339027	176044
042	SAMPLE	512457-001	345625	175103
043	SAMPLE	512457-002	346124	177347
044	SAMPLE	512457-003	352204	177037
045	SAMPLE	512457-004	350103	178291
046	SAMPLE	512457-005	353393	179333
047	SAMPLE	512457-006	344588	174760
048	CCV		356698	179341
049	CCB		366206	186775
050	BLANK	QC1170771	380431	191420
051	LCS	QC1170772	368451	186538
052	SAMPLE	512331-001	356573	178621
053	MSS	512338-002	369844	189182
054	MS	QC1170773	367590	184737
055	MSD	QC1170774	367644	185073
056	SAMPLE	512416-001	360241	181865
057	SAMPLE	512417-002	369856	184223
058	SAMPLE	512427-001	357035	181062
059	BLANK	QC1170801	382122	194383
060	CCV		352416	182384
061	CCB		365791	188210
062	LCS	QC1170802	372793	191290
063	MSS	512367-002	366334	190334
064	MS	QC1170803	365235	188535
065	MSD	QC1170804	362079	185516
066	SAMPLE	512367-003	367520	189455
067	SAMPLE	512367-004	359222	186593

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Date: 07/19/24		Reference: icp data		
Sequence: MET09 07/19/24		Analyzed: 07/19/24 08:50		
#	Type	Sample ID	Y A	Y R

068	SAMPLE	512369-001	361442	186565
069	SAMPLE	512369-002	359137	183457
070	SAMPLE	512369-003	362233	188506
071	SAMPLE	512369-004	379069	194472
072	CCV		352856	182737
073	CCB		365138	189752
074	SAMPLE	512369-005	367450	189574
075	SAMPLE	512376-002	363597	188800
076	SAMPLE	512376-005	365193	190211
077	SAMPLE	512376-008	380454	196946
079	IDOC	QC1170780	367426	190975
080	IDOC	QC1170781	371880	190897
081	IDOC	QC1170782	370086	194151
082	IDOC	QC1170783	369355	193340
083	BLANK	QC1170820	355987	192693
084	CCV		352483	184470
085	CCB		362872	189532
086	BS	QC1170821	352166	189125
087	BSD	QC1170822	350458	189584
088	SAMPLE	512323-001	362391	194130
089	SAMPLE	512323-002	362141	192481
090	SAMPLE	512323-003	363376	192578
091	BLANK	QC1170739	361457	192259
092	LCS	QC1170740	357509	194689
093	MSS	512459-001	367521	195580
094	MS	QC1170741	367716	198009
095	MSD	QC1170742	361962	194663
096	CCV		361962	192363
097	CCB		372066	197968
098	PDS	QC1170743	371079	198883
099	SAMPLE	512459-002	365950	195677
100	BLANK	QC1170892	385582	204442
101	LCS	QC1170893	372851	199113
102	MSS	512465-001	369073	197596
103	MS	QC1170894	364474	191615
104	MSD	QC1170895	365827	191500
105	SAMPLE	512376-002	363559	194271
106	SAMPLE	512376-005	366636	198105
107	SAMPLE	512367-001	367067	190692
108	CCV		350899	186714
109	CCB		364059	195355
110	LCS	QC1170802	367788	194502
112	IDOC	QC1170835	369008	192285
113	IDOC	QC1170836	375625	198439
114	IDOC	QC1170837	372889	197597
115	IDOC	QC1170838	374779	196881
117	IDOC	QC1170780	372388	198460
118	IDOC	QC1170781	369674	195196
119	IDOC	QC1170782	372504	197461
120	CCV		354649	188151
121	CCB		368311	197045
122	IDOC	QC1170783	370615	197514
124	IDOC	QC1170840	355554	193600
125	IDOC	QC1170841	356184	194771
126	IDOC	QC1170842	353849	191365
127	IDOC	QC1170843	358546	196198
128	CCV		355248	189649

Date: 07/19/24		Reference: icp data		
Sequence: MET09 07/19/24		Analyzed: 07/19/24 08:50		
#	Type	Sample ID	Y A	Y R
129	CCB		368962	197552
130	BLANK	QC1170889	358410	196500
131	BS	QC1170890	354854	194602
132	BSD	QC1170891	356399	196729
133	SAMPLE	512437-001	353514	191392
134	CCV		359838	191663
135	CCB		368902	196035
136	SAMPLE	512437-002	350448	194452
137	SAMPLE	512437-003	342280	187928
138	SAMPLE	512437-004	345298	192392
139	SAMPLE	512437-005	347198	192320
140	SAMPLE	512437-006	346622	192445
141	SAMPLE	512437-007	344058	187592
142	SAMPLE	512437-008	344915	191936
143	SAMPLE	512437-013	343147	188334
144	SAMPLE	512437-014	350773	193954
145	SAMPLE	512437-015	344173	190075
146	CCV		361278	192020
147	CCB		369365	196829
148	SAMPLE	512437-016	351267	193655
149	SAMPLE	512437-017	349347	188508
150	SAMPLE	512437-018	345387	189496
151	SAMPLE	512437-019	344184	188123
152	SAMPLE	512437-020	355004	192255
153	SAMPLE	512437-021	353803	192376
154	SAMPLE	512437-022	356002	195710
155	SAMPLE	512437-023	350743	191513
156	SAMPLE	512437-024	355606	195566
157	CCV		356887	188681
158	CCB		369399	197731
159	BLANK	QC1170951	349618	190798
160	BS	QC1170952	350222	187924
161	BSD	QC1170953	350624	193135
162	SAMPLE	512355-002	346952	190066
163	SAMPLE	512355-004	353192	197551
164	SAMPLE	512355-006	345482	188818
165	SAMPLE	512355-007	352551	194011
166	SAMPLE	512355-009	349730	188346
167	SAMPLE	512355-011	350792	190452
168	SAMPLE	512356-002	348301	188842
169	CCV		360256	191170
170	CCB		368058	195673
171	SAMPLE	512356-003	355645	197363
172	SAMPLE	512356-005	352001	188935
173	SAMPLE	512356-007	352818	192050
174	SAMPLE	512356-010	350187	189864
175	SAMPLE	512356-012	349281	190026
176	CCV		358229	190205
177	CCB		370254	199569

Instrument: MET09	Date: 19-JUL-2024 08:50
Calibration #: 674289965001	X Axis: R
Units: mg/L	

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	674289965004	L1	19-JUL-2024 08:54	S21190
L2	icp data	674289965005	L2	19-JUL-2024 08:57	S21189
L3	icp data	674289965006	L3	19-JUL-2024 09:00	S21188
L4	icp data	674289965007	L4	19-JUL-2024 09:03	S21187
L5	icp data	674289965008	L5	19-JUL-2024 09:06	S21186
L6	icp data	674289965009	L6	19-JUL-2024 09:09	S21166

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00152	3.19E-4		2886.8	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
 WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	2328.1	2392.9	3192.5	3159.7	3102.5	3145.0

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	20	0.0100	-9	0.1000	3	1.0000	1	5.0000	-1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	Cal Date: 19-JUL-2024
Calnum: 674289965001	

- ICV 674289965012 (19-JUL-2024) stds: S21181

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	0.9840	mg/L	-2	10	

ENTHALPY INSTRUMENT BLANK FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0
Seqnum: 674289965013	File: icp data
Cal: 674289965001	Time: 19-JUL-2024 09:22
	Caldate: 19-JUL-2024

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	358488	-0.16
Yttrium	R	174830	182102	4.16

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0
Seqnum: 674289965015	File: icp data
Cal: 674289965001	Time: 19-JUL-2024 09:28
Caldate: 19-JUL-2024	

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.006405	0.003333	mg/L	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	415.7	mg/L	104	
Aluminum as Al2O3	A	755.8	785.5	mg/L	104	
Iron	A	160.0	157.6	mg/L	99	
Iron as Fe2O3	A	228.8	225.3	mg/L	99	
Calcium	R	400.0	398.0	mg/L	99	
Calcium as CaCO3	R	998.9	993.8	mg/L	99	
Magnesium	R	400.0	409.7	mg/L	102	
Magnesium as MgCO3	R	1388	1421	mg/L	102	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	324220	-9.70
Yttrium	R	174830	164701	-5.79

!=warning +=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0	
Seqnum: 674289965016	File: icp data	Time: 19-JUL-2024 09:31
Cal: 674289965001	Caldate: 19-JUL-2024	

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.061	mg/L	6	20	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	323924	-9.78
Yttrium	R	174830	163698	-6.37

ENTHALPY CONTINUING CALIBRATION FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0	
Seqnum: 674289965157	File: icp data	Time: 19-JUL-2024 17:55
Cal: 674289965001	Caldate: 19-JUL-2024	

Standards: S21181

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	2886.8	3244.9	1.000	1.029	mg/L	3	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	356887	-0.60
Yttrium	R	174830	188681	7.92

ENTHALPY INSTRUMENT BLANK FOR 512355 METALS Wipe
EPA 6010B

Inst:	MET09	IDF:	1.0
Seqnum:	674289965158	File:	icp data
Cal:	674289965001	Caldate:	19-JUL-2024
		Time:	19-JUL-2024 17:58

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.002119]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	369399	2.88
Yttrium	R	174830	197731	13.10

!=warning CCB=instrument blank

ENTHALPY CONTINUING CALIBRATION FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0	
Seqnum: 674289965169	File: icp data	Time: 19-JUL-2024 18:37
Cal: 674289965001	Caldate: 19-JUL-2024	

Standards: S21181

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	2886.8	3221.9	1.000	1.022	mg/L	2	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	360256	0.33
Yttrium	R	174830	191170	9.35

ENTHALPY INSTRUMENT BLANK FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0	
Seqnum: 674289965170	File: icp data	Time: 19-JUL-2024 18:40
Cal: 674289965001	Caldate: 19-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	368058	2.51
Yttrium	R	174830	195673	11.92

SAMPLE PREPARATION SUMMARY

Batch #: 345556	Prep Date: 19-JUL-2024 15:33	Started By: SMP
Analysis: ICP	Method: 3050B	Finished By: SMP

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20344	Spike S20345	Analysis
QC1170951 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1170952 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1170953 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
512355-002	Wipe	1.0828 ft2	50 mL	46.18				6010
512355-004	Wipe	1.0414 ft2	50 mL	48.01				6010
512355-006	Wipe	1.0276 ft2	50 mL	48.66				6010
512355-007	Wipe	1.0276 ft2	50 mL	48.66				6010
512355-009	Wipe	1.0828 ft2	50 mL	46.18				6010
512355-011	Wipe	1 ft2	50 mL	50.0				6010
512356-002	Wipe	1.0276 ft2	50 mL	48.66				6010
512356-003	Wipe	1.0276 ft2	50 mL	48.66				6010
512356-005	Wipe	1 ft2	50 mL	50.0				6010
512356-007	Wipe	1.0276 ft2	50 mL	48.66				6010
512356-010	Wipe	1 ft2	50 mL	50.0				6010
512356-012	Wipe	1.0276 ft2	50 mL	48.66				6010

Analyst: SBW 07/22/24

Reviewer: KLN 07/22/24

ICP and ICP-MS Prep Log for Soil/Misc.

Initials: SMP Prep Method: 3050B / 3051 / Other: QC Batch #: 345556 Therm ID/Corr Factor: 163114 - 0.1
Prep Start, Date/Time: 7/19/24 15:33 Prep End, Date/Time: 7/19/24 17:35 HotBlock Temp (Obs/Corr): 93 / 92.5
HotBlock ID: 15

[illegible]

LCS Spike ID: 0.5mL (S20344, S20345)

MS/MSD Spike ID:

Gold Std ID: ,

Hydrochloric Acid ID: DmL 240096LC

Nitric Acid ID: 10mL 240020839

H₂O₂ ID: 3mL 303303 DAT 7-19-20

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ICP Raw Data

Instrument: MET09
Method: EPA 6010B

Begun: 07/19/24 08:45

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
001	icp data	ICALBLK				07/19/24 08:45	1.0		
002	icp data	ICALBLK				07/19/24 08:48	1.0		
003	icp data	ICALBLK				07/19/24 08:50	1.0		
004	icp data	ICAL	L1			07/19/24 08:54	1.0	1	
005	icp data	ICAL	L2			07/19/24 08:57	1.0	2	
006	icp data	ICAL	L3			07/19/24 09:00	1.0	3	
007	icp data	ICAL	L4			07/19/24 09:03	1.0	4	
008	icp data	ICAL	L5			07/19/24 09:06	1.0	5	
009	icp data	ICAL	L6			07/19/24 09:09	1.0	6	
010	icp data	ICAL	L7			07/19/24 09:12	1.0	7	
011	icp data	ICAL	L8			07/19/24 09:15	1.0	8	
012	icp data	ICV				07/19/24 09:19	1.0	9	
013	icp data	ICB				07/19/24 09:22	1.0		
014	icp data	CRI				07/19/24 09:25	1.0	10	
015	icp data	ICSA				07/19/24 09:28	1.0	11	6:MGASMGCO3=1400
016	icp data	ICSAB				07/19/24 09:31	1.0	12	6:MGASMGCO3=1400
017	icp data	BLANK	QC1170190	Water	345342	07/19/24 09:34	1.0	13	
018	icp data	LCS	QC1170191	Water	345342	07/19/24 09:37	1.0	13	
019	icp data	LCS	QC1170459	Filtrate	345417	07/19/24 09:40	1.0	13	
020	icp data	SAMPLE	512208-001	Water	345342	07/19/24 09:44	1.0	13	
021	icp data	SAMPLE	512233-001	Water	345342	07/19/24 09:47	1.0	13	1:NA=2000
022	icp data	SAMPLE	512265-001	Water	345342	07/19/24 09:50	1.0	13	
023	icp data	MSS	512266-001	Water	345342	07/19/24 09:53	1.0	13	
024	icp data	MS	QC1170192	Water	345342	07/19/24 09:56	1.0	13	
025	icp data	MSD	QC1170193	Water	345342	07/19/24 09:59	1.0	13	
026	icp data	SAMPLE	512267-001	Water	345342	07/19/24 10:02	1.0	13	1:B=19
027	icp data	CCV				07/19/24 10:05	1.0	9	
028	icp data	CCB				07/19/24 10:09	1.0		
029	icp data	BLANK	QC1170735	Water	345494	07/19/24 10:39	1.0	13	
030	icp data	LCS	QC1170736	Water	345494	07/19/24 10:42	1.0	13	
031	icp data	SAMPLE	511878-001	Water	345494	07/19/24 10:45	1.0	13	1:FE=19
032	icp data	SAMPLE	512433-001	Water	345494	07/19/24 10:48	1.0	13	
033	icp data	SAMPLE	512434-001	Water	345494	07/19/24 10:52	1.0	13	1:TI=130
034	icp data	SAMPLE	512435-001	Water	345494	07/19/24 10:55	1.0	13	1:TI=28
035	icp data	MSS	512453-012	Water	345494	07/19/24 10:58	1.0	13	
036	icp data	MS	QC1170737	Water	345494	07/19/24 11:01	1.0	13	
037	icp data	MSD	QC1170738	Water	345494	07/19/24 11:04	1.0	13	
038	icp data	SAMPLE	512455-001	Water	345494	07/19/24 11:07	1.0	13	
039	icp data	CCV				07/19/24 11:10	1.0	9	
040	icp data	CCB				07/19/24 11:13	1.0		
041	icp data	SAMPLE	512456-001	Water	345494	07/19/24 11:16	1.0	13	2:FE=53
042	icp data	SAMPLE	512457-001	Water	345494	07/19/24 11:20	1.0	13	1:FE=40
043	icp data	SAMPLE	512457-002	Water	345494	07/19/24 11:23	1.0	13	1:FE=32
044	icp data	SAMPLE	512457-003	Water	345494	07/19/24 11:26	1.0	13	1:FE=49
045	icp data	SAMPLE	512457-004	Water	345494	07/19/24 11:29	1.0	13	1:FE=35
046	icp data	SAMPLE	512457-005	Water	345494	07/19/24 11:32	1.0	13	
047	icp data	SAMPLE	512457-006	Water	345494	07/19/24 11:35	1.0	13	1:FE=21
048	icp data	CCV				07/19/24 11:38	1.0	9	
049	icp data	CCB				07/19/24 11:41	1.0		
050	icp data	BLANK	QC1170771	Water	345503	07/19/24 11:45	1.0	13	
051	icp data	LCS	QC1170772	Water	345503	07/19/24 11:48	1.0	13	
052	icp data	SAMPLE	512331-001	Water	345503	07/19/24 11:51	1.0	13	
053	icp data	MSS	512338-002	Water	345503	07/19/24 11:54	1.0	13	
054	icp data	MS	QC1170773	Water	345503	07/19/24 11:57	1.0	13	
055	icp data	MSD	QC1170774	Water	345503	07/19/24 12:00	1.0	13	

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#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
056	icp data	SAMPLE	512416-001	Water	345503	07/19/24 12:03	1.0	13	
057	icp data	SAMPLE	512417-002	Water	345503	07/19/24 12:06	1.0	13	1:B=21
058	icp data	SAMPLE	512427-001	Water	345503	07/19/24 12:09	1.0	13	1:NA=970
059	icp data	BLANK	QC1170801	Filtrate	345509	07/19/24 12:13	1.0	13	
060	icp data	CCV				07/19/24 12:16	1.0	9	
061	icp data	CCB				07/19/24 12:19	1.0		
062	icp data	LCS	QC1170802	Filtrate	345509	07/19/24 12:22	1.0	13	
063	icp data	MSS	512367-002	Filtrate	345509	07/19/24 12:25	1.0	13	1:CAASCACO3=280
064	icp data	MS	QC1170803	Filtrate	345509	07/19/24 12:28	1.0	13	1:CAASCACO3=320
065	icp data	MSD	QC1170804	Filtrate	345509	07/19/24 12:31	1.0	13	1:CAASCACO3=330
066	icp data	SAMPLE	512367-003	Filtrate	345509	07/19/24 12:34	1.0	13	
067	icp data	SAMPLE	512367-004	Filtrate	345509	07/19/24 12:38	1.0	13	
068	icp data	SAMPLE	512369-001	Filtrate	345509	07/19/24 12:41	1.0	13	
069	icp data	SAMPLE	512369-002	Filtrate	345509	07/19/24 12:44	1.0	13	
070	icp data	SAMPLE	512369-003	Filtrate	345509	07/19/24 12:47	1.0	13	
071	icp data	SAMPLE	512369-004	Filtrate	345509	07/19/24 12:50	1.0	13	
072	icp data	CCV				07/19/24 12:53	1.0	9	
073	icp data	CCB				07/19/24 12:56	1.0		
074	icp data	SAMPLE	512369-005	Filtrate	345509	07/19/24 12:59	1.0	13	
075	icp data	SAMPLE	512376-002	Filtrate	345509	07/19/24 13:02	100.0	13	1:MN=13
076	icp data	SAMPLE	512376-005	Filtrate	345509	07/19/24 13:06	50.0	13	
077	icp data	SAMPLE	512376-008	Filtrate	345509	07/19/24 13:09	1.0	13	
078	icp data	BLANK	QC1170779	Water	345504	07/19/24 13:18	1.0	13	
079	icp data	IDOC	QC1170780	Water	345504	07/19/24 13:21	1.0	13	
080	icp data	IDOC	QC1170781	Water	345504	07/19/24 13:24	1.0	13	
081	icp data	IDOC	QC1170782	Water	345504	07/19/24 13:27	1.0	13	
082	icp data	IDOC	QC1170783	Water	345504	07/19/24 13:30	1.0	13	
083	icp data	BLANK	QC1170820	Wipe	345516	07/19/24 13:34	1.0	13	
084	icp data	CCV				07/19/24 13:37	1.0	9	
085	icp data	CCB				07/19/24 13:40	1.0		
086	icp data	BS	QC1170821	Wipe	345516	07/19/24 13:43	1.0	13	
087	icp data	BSD	QC1170822	Wipe	345516	07/19/24 13:46	1.0	13	
088	icp data	SAMPLE	512323-001	Wipe	345516	07/19/24 13:49	1.0	13	1:NI=9.1
089	icp data	SAMPLE	512323-002	Wipe	345516	07/19/24 13:52	1.0	13	
090	icp data	SAMPLE	512323-003	Wipe	345516	07/19/24 13:55	1.0	13	
091	icp data	BLANK	QC1170739	Miscell.	345495	07/19/24 13:59	1.0	13	
092	icp data	LCS	QC1170740	Miscell.	345495	07/19/24 14:02	1.0	13	
093	icp data	MSS	512459-001	Miscell.	345495	07/19/24 14:05	1.0	13	2:FEASFE2O3=75
094	icp data	MS	QC1170741	Miscell.	345495	07/19/24 14:08	1.0	13	4:FEASFE2O3=86
095	icp data	MSD	QC1170742	Miscell.	345495	07/19/24 14:11	1.0	13	4:FEASFE2O3=86
096	icp data	CCV				07/19/24 14:14	1.0	9	
097	icp data	CCB				07/19/24 14:17	1.0		
098	icp data	PDS	QC1170743	Miscell.	345495	07/19/24 14:20	1.0	13	2:FEASFE2O3=74
099	icp data	SAMPLE	512459-002	Miscell.	345495	07/19/24 14:24	1.0	13	1:FE=56
100	icp data	BLANK	QC1170892	Water	345537	07/19/24 14:27	1.0	13	
101	icp data	LCS	QC1170893	Water	345537	07/19/24 14:30	1.0	13	
102	icp data	MSS	512465-001	Water	345537	07/19/24 14:33	1.0	13	
103	icp data	MS	QC1170894	Water	345537	07/19/24 14:36	1.0	13	
104	icp data	MSD	QC1170895	Water	345537	07/19/24 14:39	1.0	13	
105	icp data	SAMPLE	512376-002	Filtrate	345509	07/19/24 14:42	20.0	13	1:MN=48
106	icp data	SAMPLE	512376-005	Filtrate	345509	07/19/24 14:45	20.0	13	
107	icp data	SAMPLE	512367-001	Filtrate	345509	07/19/24 14:50	1.0	13	
108	icp data	CCV				07/19/24 14:53	1.0	9	
109	icp data	CCB				07/19/24 14:56	1.0		
110	icp data	LCS	QC1170802	Filtrate	345509	07/19/24 14:59	1.0	13	

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#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
111	icp data	BLANK	QC1170834	Water	345520	07/19/24 15:26	1.0	13	
112	icp data	IDOC	QC1170835	Water	345520	07/19/24 15:29	1.0	13	
113	icp data	IDOC	QC1170836	Water	345520	07/19/24 15:32	1.0	13	
114	icp data	IDOC	QC1170837	Water	345520	07/19/24 15:35	1.0	13	
115	icp data	IDOC	QC1170838	Water	345520	07/19/24 15:38	1.0	13	
116	icp data	BLANK	QC1170779	Water	345504	07/19/24 15:41	1.0	13	
117	icp data	IDOC	QC1170780	Water	345504	07/19/24 15:44	1.0	13	
118	icp data	IDOC	QC1170781	Water	345504	07/19/24 15:47	1.0	13	
119	icp data	IDOC	QC1170782	Water	345504	07/19/24 15:50	1.0	13	
120	icp data	CCV				07/19/24 15:54	1.0	9	
121	icp data	CCB				07/19/24 15:57	1.0		
122	icp data	IDOC	QC1170783	Water	345504	07/19/24 16:00	1.0	13	
123	icp data	BLANK	QC1170839	Water	345521	07/19/24 16:03	1.0	13	
124	icp data	IDOC	QC1170840	Water	345521	07/19/24 16:06	1.0	13	
125	icp data	IDOC	QC1170841	Water	345521	07/19/24 16:09	1.0	13	
126	icp data	IDOC	QC1170842	Water	345521	07/19/24 16:12	1.0	13	
127	icp data	IDOC	QC1170843	Water	345521	07/19/24 16:15	1.0	13	
128	icp data	CCV				07/19/24 16:19	1.0	9	
129	icp data	CCB				07/19/24 16:22	1.0		
130	icp data	BLANK	QC1170889	Wipe	345535	07/19/24 16:31	1.0	13	
131	icp data	BS	QC1170890	Wipe	345535	07/19/24 16:34	1.0	13	
132	icp data	BSD	QC1170891	Wipe	345535	07/19/24 16:37	1.0	13	
133	icp data	SAMPLE	512437-001	Wipe	345535	07/19/24 16:40	1.0	13	2:ZN=230
134	icp data	CCV				07/19/24 16:44	1.0	9	
135	icp data	CCB				07/19/24 16:47	1.0		
136	icp data	SAMPLE	512437-002	Wipe	345535	07/19/24 16:50	1.0	13	2:ZN=140
137	icp data	SAMPLE	512437-003	Wipe	345535	07/19/24 16:53	1.0	13	1:FE=98
138	icp data	SAMPLE	512437-004	Wipe	345535	07/19/24 16:56	1.0	13	2:ZN=92
139	icp data	SAMPLE	512437-005	Wipe	345535	07/19/24 16:59	1.0	13	1:FE=77
140	icp data	SAMPLE	512437-006	Wipe	345535	07/19/24 17:02	1.0	13	1:FE=160
141	icp data	SAMPLE	512437-007	Wipe	345535	07/19/24 17:05	1.0	13	2:ZN=190
142	icp data	SAMPLE	512437-008	Wipe	345535	07/19/24 17:09	1.0	13	2:FE=140
143	icp data	SAMPLE	512437-013	Wipe	345535	07/19/24 17:12	1.0	13	1:FE=89
144	icp data	SAMPLE	512437-014	Wipe	345535	07/19/24 17:15	1.0	13	1:FE=91
145	icp data	SAMPLE	512437-015	Wipe	345535	07/19/24 17:18	1.0	13	1:FE=150
146	icp data	CCV				07/19/24 17:21	1.0	9	
147	icp data	CCB				07/19/24 17:24	1.0		
148	icp data	SAMPLE	512437-016	Wipe	345535	07/19/24 17:27	1.0	13	1:FE=61
149	icp data	SAMPLE	512437-017	Wipe	345535	07/19/24 17:30	1.0	13	2:ZN=130
150	icp data	SAMPLE	512437-018	Wipe	345535	07/19/24 17:33	1.0	13	1:FE=81
151	icp data	SAMPLE	512437-019	Wipe	345535	07/19/24 17:37	1.0	13	1:FE=100
152	icp data	SAMPLE	512437-020	Wipe	345535	07/19/24 17:40	1.0	13	1:FE=130
153	icp data	SAMPLE	512437-021	Wipe	345535	07/19/24 17:43	1.0	13	
154	icp data	SAMPLE	512437-022	Wipe	345535	07/19/24 17:46	1.0	13	
155	icp data	SAMPLE	512437-023	Wipe	345535	07/19/24 17:49	1.0	13	
156	icp data	SAMPLE	512437-024	Wipe	345535	07/19/24 17:52	1.0	13	
157	icp data	CCV				07/19/24 17:55	1.0	9	
158	icp data	CCB				07/19/24 17:58	1.0		
159	icp data	BLANK	QC1170951	Wipe	345556	07/19/24 18:06	1.0	13	
160	icp data	BS	QC1170952	Wipe	345556	07/19/24 18:09	1.0	13	
161	icp data	BSD	QC1170953	Wipe	345556	07/19/24 18:12	1.0	13	
162	icp data	SAMPLE	512355-002	Wipe	345556	07/19/24 18:15	1.0	13	1:FE=55
163	icp data	SAMPLE	512355-004	Wipe	345556	07/19/24 18:18	1.0	13	1:FE=43
164	icp data	SAMPLE	512355-006	Wipe	345556	07/19/24 18:22	1.0	13	2:ZN=250
165	icp data	SAMPLE	512355-007	Wipe	345556	07/19/24 18:25	1.0	13	1:FE=57

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Begun: 07/19/24 08:45

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
166	icp data	SAMPLE	512355-009	Wipe	345556	07/19/24 18:28	1.0	13	1:FE=43
167	icp data	SAMPLE	512355-011	Wipe	345556	07/19/24 18:31	1.0	13	2:ZN=160
168	icp data	SAMPLE	512356-002	Wipe	345556	07/19/24 18:34	1.0	13	3:ZN=130
169	icp data	CCV				07/19/24 18:37	1.0	9	
170	icp data	CCB				07/19/24 18:40	1.0		
171	icp data	SAMPLE	512356-003	Wipe	345556	07/19/24 18:43	1.0	13	1:FE=41
172	icp data	SAMPLE	512356-005	Wipe	345556	07/19/24 18:47	1.0	13	2:FE=50
173	icp data	SAMPLE	512356-007	Wipe	345556	07/19/24 18:50	1.0	13	2:ZN=130
174	icp data	SAMPLE	512356-010	Wipe	345556	07/19/24 18:53	1.0	13	2:ZN=55
175	icp data	SAMPLE	512356-012	Wipe	345556	07/19/24 18:56	1.0	13	1:FE=60
176	icp data	CCV				07/19/24 18:59	1.0	9	
177	icp data	CCB				07/19/24 19:02	1.0		

KCD 07/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 28.

KCD 07/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 29 through 49.

KCD 07/20/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 50 through 177.

Standards Used:

1=S21190 2=S21189 3=S21188 4=S21187 5=S21186 6=S21166 7=S20458 8=S21161 9=S21181 10=S20783 11=S21125 12=S21126 13=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET09	Lab ID: 512355-002	Client ID: DOOR-S-15.5GW-PS-21-240718-L-G
Seqnum: 674289965162	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 345556	Time: 19-JUL-2024 18:15
Cal: 674289965001	Caldate: 19-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.08 ft2 $\Rightarrow$ 50.0 ml = 46.18 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.511	70	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	346952	-3.37

U=use

Label: 512355-002,345556	Rack/Tube: 3:4	Type: Sample
Date Time: 7/19/2024 6:15:46 PM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID:	Customer:	Customer Ref.:
Sample Date Time:	Sample Site:	Description:
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00021961	0.00021961	mg/L	365.24759490	0.00059351	270.25919726	20.97408907	5.74		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.11094
Al 396.152	Al	n	0.93038072	0.93038072	mg/L	16458.23475234	0.00884394	0.95057259	146.77365491	0.89	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.95000
As 188.980	As	n	0.03121771	0.03121771	mg/L	69.09183833	0.00202011	6.47104217	3.45049298	4.99	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104
B 249.678	B	n	0.01169393	0.01169393	mg/L	366.41207202	0.00090037	7.69944960	14.88834344	4.06	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344
Ba 230.424	Ba	n	0.04828607	0.04828607	mg/L	1955.57494278	0.00023198	0.48041826	8.47629913	0.43	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.6927
Be 313.107	Be	n	0.00011764	0.00011764	mg/L	187.21405533	0.00007027	59.73531687	77.71827288	41.51	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88
Ca 317.933	Ca-R	n	7.01074999	7.01074999	mg/L	94108.64243980	0.07505605	1.07058522	990.92844026	1.05	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119
Cd 214.439	Cd	n	0.00026531	0.00026531	mg/L	58.02524525	0.00011372	42.86295370	7.21702751	12.44	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469
Co 230.786	Co	n	0.00579844	0.00579844	mg/L	166.52335516	0.00013484	2.32538028	1.97053358	1.18	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172
Cr 267.716	Cr	n	0.02269105	0.02269105	mg/L	729.30989062	0.00042412	1.86910410	12.21515824	1.67	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349
Cu 324.754	Cu	n	0.08076015	0.08076015	mg/L	1694.13902602	0.00120019	1.48612211	20.98089503	1.24	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465
Fe 259.940	Fe	no	54.60304914	54.60304914	mg/L	1420570.05733767	0.60529402	1.10853521	15746.44780872	1.11	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436
K 766.491	K-R	n	2.22636166	2.22636166	mg/L	3328.66544712	0.02217719	0.99611802	33.96939236	1.02	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663
Li 670.783	Li-R	n	0.00157374	0.00157374	mg/L	218.74439828	0.00037992	24.14119321	40.46230824	18.50	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584
Mg 279.800	Mg-R	n	2.86667154	2.86667154	mg/L	6679.26795613	0.04267810	1.48876855	97.82900452	1.46	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280
Mn 257.610	Mn	n	0.32049112	0.32049112	mg/L	52786.05882135	0.00465746	1.45322573	764.06072392	1.45	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964
Mo 204.598	Mo	n	0.26444966	0.26444966	mg/L	673.72878957	0.11131514	42.09313033	278.50146489	41.34	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900
Na 589.592	Na-R	n	5.36357709	5.36357709	mg/L	61276.38077603	0.06710904	1.25119937	748.61646605	1.22	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248
Ni 231.604	Ni	n	0.02266256	0.02266256	mg/L	244.78311717	0.00008292	0.36589948	0.74253630	0.30	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631
P 177.434	P	n	0.60750095	0.60750095	mg/L	74.04946152	0.01710370	2.81542001	2.04510403	2.76		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832
Pb 220.353	Pb	n	1.51129879	1.51129879	mg/L	4769.23226643	0.01108728	0.73362568	34.98575744	0.73	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716
S 181.972	S	n	4.88188817	4.88188817	mg/L	2626.96335383	0.03626818	0.74291292	19.05651633	0.73		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515
Sb 206.834	Sb	n	0.01273458	0.01273458	mg/L	-1.57476595	0.00712756	55.97013459	6.63908276	> 100.00	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.466319
Se 196.026	Se	n	0.02244881	0.02244881	mg/L	37.90587697	0.00680889	30.33075766	7.40541054	19.54	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828
Si 256.611	Si	n	3.61012384	3.61012384	mg/L	13215.19115628	0.02981190	0.82578608	108.98082572	0.82		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487
Sn 189.925	Sn	n	0.14906848	0.14906848	mg/L	504.56354666	0.04645688	31.16479182	151.65520681	30.06	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929
Sr 421.552	Sr-R	n	0.01293058	0.01293058	mg/L	5732.20295308	0.00007947	0.61459805	34.69318181	0.61	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913
Ti 334.941	Ti	n	0.07989148	0.07989148	mg/L	12683.75229029	0.00457855	5.73096667	713.65449615	5.63	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.969
Tl 190.794	Tl	nu	0.00008338	0.00008338	mg/L	-3.82462205	0.00191568	2297.63108445	1.85287181	48.45	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.213389
V 292.401	V	n	0.02008153	0.02008153	mg/L	338.77668817	0.00177201	8.82405366	28.48401675	8.41	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527
Zn 206.200	Zn	n	8.01489498	8.01489498	mg/L	141326.92436320	0.02170429	0.27079943	381.92399880	0.27	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058
Y 371.029	Y		0.97	0.97	Ratio	346951.86	0.02	2.21	7657.26	2.21		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.09	1.09	Ratio	190065.68	0.02	1.48	2809.91	1.48		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET09	Lab ID: 512355-004	Client ID: ARCH-SGW-DG-5.5 TO 17-240718-L-LA
Seqnum: 674289965163	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 345556	Time: 19-JUL-2024 18:18
Cal: 674289965001	Caldate: 19-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.04 ft2 $\Rightarrow$ 50.0 ml = 48.01 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	5.122	250	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	353192	-1.63

U=use

Label: 512355-004,345556	Rack/Tube: 3:5	Type: Sample
Date Time: 7/19/2024 6:18:54 PM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID:	Customer:	Customer Ref.:
Sample Date Time:	Sample Site:	Description:
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00039058	-0.00039058	mg/L	345.39000471	0.00081553	208.79954274	28.82006746	8.34		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109851
Al 396.152	Al	n	2.14538140	2.14538140	mg/L	36615.63360209	0.02039661	0.95072188	338.50112928	0.92	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500841
As 188.980	As	n	0.02279011	0.02279011	mg/L	54.83081798	0.00104068	4.56636703	1.77755555	3.24	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104051
B 249.678	B	n	0.01354255	0.01354255	mg/L	403.16239383	0.00078848	5.82225177	13.03820077	3.23	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344931
Ba 230.424	Ba	n	0.04782528	0.04782528	mg/L	1939.47991893	0.00052461	1.09692200	19.16894437	0.99	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.6927411
Be 313.107	Be	n	0.00012006	0.00012006	mg/L	190.11812373	0.00003169	26.39445339	35.04831334	18.44	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88131
Ca 317.933	Ca-R	n	7.03368653	7.03368653	mg/L	94414.58419955	0.22111419	3.14364583	2919.26276988	3.09	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119171
Cd 214.439	Cd	n	0.00025033	0.00025033	mg/L	49.43331376	0.00004793	19.14624365	3.04173460	6.15	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469271
Co 230.786	Co	n	0.00427542	0.00427542	mg/L	141.78818291	0.00133605	31.24957550	19.52545983	13.77	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172481
Cr 267.716	Cr	n	0.01622647	0.01622647	mg/L	541.69807028	0.00020933	1.29007779	6.02907938	1.11	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349461
Cu 324.754	Cu	n	0.10254518	0.10254518	mg/L	2078.73954004	0.00091313	0.89046854	15.96269596	0.77	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465291
Fe 259.940	Fe	no	43.19617946	43.19617946	mg/L	1123825.93644650	0.36448335	0.84378609	9481.86808184	0.84	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436081
K 766.491	K-R	n	1.96692591	1.96692591	mg/L	2933.15650695	0.05103972	2.59489810	78.17890347	2.67	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663871
Li 670.783	Li-R	n	0.00069368	0.00069368	mg/L	123.52875965	0.00024411	35.19120371	25.99887800	21.05	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584081
Mg 279.800	Mg-R	n	3.00488148	3.00488148	mg/L	6985.83545132	0.10511329	3.49808424	240.94622395	3.45	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280651
Mn 257.610	Mn	n	0.26290451	0.26290451	mg/L	43329.70066726	0.00402185	1.52977545	659.78815307	1.52	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964981
Mo 204.598	Mo	nu	0.00071627	0.00071627	mg/L	13.6386462	0.00115579	161.36340832	2.89169577	21.21	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900981
Na 589.592	Na-R	n	4.73858202	4.73858202	mg/L	54320.12725352	0.14471391	3.05394963	1614.31618741	2.97	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821
Ni 231.604	Ni	n	0.03534341	0.03534341	mg/L	357.77905653	0.00142916	4.04363052	12.79755108	3.58	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631351
P 177.434	P	n	0.53609071	0.53609071	mg/L	65.49582708	0.00701374	1.30831295	0.83863924	1.28		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832411
Pb 220.353	Pb	n	5.12222752	5.12222752	mg/L	16161.06168245	0.02689880	0.52513873	84.87881929	0.53	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716021
S 181.972	S	n	3.94781100	3.94781100	mg/L	2136.29581928	0.04000776	1.01341637	21.02141964	0.98		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515601
Sb 206.834	Sb	nu	-0.01125487	-0.01125487	mg/L	-24.70395182	0.00544692	48.39607084	5.07361845	20.54	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.466319761
Se 196.026	Se	n	0.01194253	0.01194253	mg/L	27.09574277	0.00299897	25.11168896	3.26170682	12.04	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828701
Si 251.611	Si	n	4.10165207	4.10165207	mg/L	15013.08179720	0.03430843	0.83645391	125.41840352	0.84		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487921
Sn 189.925	Sn	n	0.03730847	0.03730847	mg/L	139.79871241	0.00065877	1.76573036	2.15049814	1.54	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929761
Sr 421.552	Sr-R	n	0.01244494	0.01244494	mg/L	5519.69071535	0.00050828	4.08425334	221.89128016	4.02	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913821
Ti 334.941	Ti	n	0.15234796	0.15234796	mg/L	23975.75321023	0.02670436	17.52853176	4162.38129207	17.36	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.969421
Tl 190.794	Tl	n	0.00292655	0.00292655	mg/L	-0.89321067	0.00094797	32.39193725	0.91688482	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.213389261
V 292.401	V	n	0.00581442	0.00581442	mg/L	116.13769974	0.00048430	8.32923754	7.78480207	6.70	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527451
Zn 206.200	Zn	n	18.53924716	18.53924716	mg/L	326466.78272229	0.11036715	0.59531625	1942.09830610	0.59	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058631
Y 371.029	Y		0.98	0.98	Ratio	353191.81	0.02	1.94	6847.67	1.94		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.13	1.13	Ratio	197550.66	0.03	2.44	4814.16	2.44		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET09	Lab ID: 512355-006	Client ID: DOOR-S-15.3GW-DG-7 TO 20-240718-L-LA
Seqnum: 674289965164	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 345556	Time: 19-JUL-2024 18:22
Cal: 674289965001	Caldate: 19-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.03 ft2 $\Rightarrow$ 50.0 ml = 48.66 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	4.968	240	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	345482	-3.78

U=use

Label:	512355-006.345556	Rack/Tube:	3:6	Type:	Sample
Date Time:	7/19/2024 6:22:02 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
Ag 328.068	Ag	nu	-0.00035590	-0.00035590	mg/L	345.34835443	0.00055199	155.09761180	19.50675830	5.65		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.110985
Al 396.152	Al	n	2.08361387	2.08361387	mg/L	35601.41757298	0.04605569	2.21037548	764.33793176	2.15	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.950084
As 188.980	As	n	0.03625599	0.03625599	mg/L	77.75026243	0.00127141	3.50676035	2.17166000	2.79	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.0710405
B 249.678	B	n	0.01594957	0.01594957	mg/L	438.47156381	0.00108292	6.78966130	17.90701742	4.08	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.834493
Ba 230.424	Ba	n	0.05531669	0.05531669	mg/L	2212.73963681	0.00099926	1.80644108	36.51277682	1.65	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741
Be 313.107	Be	nu	0.00005534	0.00005534	mg/L	118.23396225	0.00006171	111.51713687	68.25146708	57.73	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.8813
Ca 317.933	Ca-R	n	8.19545399	8.19545399	mg/L	109751.24449320	0.05562403	0.67871810	734.37691469	0.67	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.511917
Cd 214.439	Cd	n	0.00096649	0.00096649	mg/L	100.51504836	0.00006780	7.01556296	4.30320303	4.28	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.446927
Co 230.786	Co	n	0.00498199	0.00498199	mg/L	153.99716203	0.00065427	13.13267038	9.56167962	6.21	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.317248
Cr 267.716	Cr	n	0.02118115	0.02118115	mg/L	685.46743087	0.00030614	1.44532560	8.81711132	1.29	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.234946
Cu 324.754	Cu	n	0.15393356	0.15393356	mg/L	2974.39119262	0.00231823	1.50599115	40.52547662	1.36	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.246529
Fe 259.940	Fe	no	50.65459535	50.65459535	mg/L	1317853.67280212	0.82262568	1.62399022	21400.23150757	1.62	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.543608
K 766.491	K-R	n	2.32534693	2.32534693	mg/L	3480.91178787	0.00490200	1.97398510	70.30931914	2.02	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.7266387
Li 670.783	Li-R	n	0.00207544	0.00207544	mg/L	271.95149911	0.00055381	26.68406685	58.98233076	21.69	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.58408
Mg 279.800	Mg-R	n	3.16282902	3.16282902	mg/L	7355.37926462	0.01997944	0.63169516	45.79792270	0.62	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.2528065
Mn 257.610	Mn	n	0.28108928	0.28108928	mg/L	46319.76290295	0.00482114	1.71516234	790.91226666	1.71	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.96498
Mo 204.598	Mo	nu	0.00016933	0.00016933	mg/L	12.50774957	0.00068961	407.25158951	1.72535790	13.79	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.9190098
Na 589.592	Na-R	n	6.06028940	6.06028940	mg/L	69052.84316417	0.04406219	0.72706413	491.52364461	0.71	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.224882
Ni 231.604	Ni	n	0.04692826	0.04692826	mg/L	461.93139007	0.00046009	0.98042010	4.11996621	0.89	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.6163135
P 177.434	P	n	0.65374547	0.65374547	mg/L	79.58272735	0.01386317	2.12057672	1.65763128	2.08		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.57083241
Pb 220.353	Pb	n	4.96832689	4.96832689	mg/L	15676.21936371	0.05488123	1.10462188	173.17700302	1.10	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.4871602
S 181.972	S	n	4.60212209	4.60212209	mg/L	2480.05692600	0.01107565	0.24066405	5.81951952	0.23		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.43351560
Sb 206.834	Sb	nu	-0.04239611	-0.04239611	mg/L	-53.13592604	0.00902048	21.27666197	8.40227129	15.81	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976
Se 196.026	Se	n	0.02351317	0.02351317	mg/L	39.24490127	0.00381486	16.22436881	4.14907719	10.57	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.6082870
Si 251.611	Si	n	4.28381922	4.28381922	mg/L	15678.28429882	0.08036135	1.87592777	293.77016219	1.87		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.6148792
Sn 189.925	Sn	n	0.04679876	0.04679876	mg/L	170.74357046	0.00136079	2.90774925	4.44220478	2.60	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.4292976
Sr 421.552	Sr-R	n	0.01483758	0.01483758	mg/L	6569.66724767	0.00009498	0.64013899	41.46409457	0.63	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.91382
Ti 334.941	Ti	n	0.16327555	0.16327555	mg/L	25680.32935164	0.01749487	10.71493484	2726.90717767	10.62	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942
Tl 190.794	Tl	nu	-0.00384649	-0.00384649	mg/L	-7.59190226	0.00103274	26.84897271	0.99888323	13.16	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926
V 292.401	V	n	0.00637722	0.00637722	mg/L	120.24120199	0.00016633	2.60814617	2.67361811	2.22	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.452745
Zn 206.200	Zn	no	245.05262303	245.05262303	mg/L	4312395.88527862	0.72303287	0.29505208	12722.99674096	0.30	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.705863
Y 371.029	Y		0.96	0.96	Ratio	345482.04	0.02	2.47	8536.82	2.47		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.08	1.08	Ratio	188818.20	0.01	1.04	1954.51	1.04		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET09	Lab ID: 512355-007	Client ID: DOOR-S-15.3GW-DG-7 TO 20-240718-L-DUP-LA
Seqnum: 674289965165	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 345556	Time: 19-JUL-2024 18:25
Cal: 674289965001	Caldate: 19-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.03 ft2 ⇒ 50.0 ml = 48.66 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.104	54	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	352551	-1.81

U=use

Label: 512355-007,345556	Rack/Tube: 3:7	Type: Sample
Date Time: 7/19/2024 6:25:10 PM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient (3): -
LIMS ID: _____	Customer: _____	Customer Ref.: _____
Sample Date Time: _____	Sample Site: _____	Description: _____
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00019580	-0.00019580	mg/L	350.18817291	0.00021781	111.23904951	7.69721164	2.20		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.11098507
Al 396.152	Al	n	1.43960520	1.43960520	mg/L	24910.61984828	0.03193661	2.21842853	530.01842692	2.13	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.95008496
As 188.980	As	n	0.03962938	0.03962938	mg/L	83.44030158	0.00321739	8.11870352	5.49553401	6.59	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.071040570
B 249.678	B	n	0.01376693	0.01376693	mg/L	399.26053825	0.00093473	6.78968815	15.45657275	3.87	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.83449366
Ba 230.424	Ba	n	0.04331050	0.04331050	mg/L	1773.64388784	0.00086720	2.00228877	31.68726811	1.79	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.69274126
Be 313.107	Be	n	0.00007075	0.00007075	mg/L	135.18117504	0.00003964	56.02934840	43.83961613	32.43	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.881332
Ca 317.933	Ca-R	n	6.92703001	6.92703001	mg/L	93003.14076612	0.03684851	0.53195254	486.49292432	0.52	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.51191746
Cd 214.439	Cd	nu	0.00002046	0.00002046	mg/L	44.30683042	0.00015309	748.18429483	9.71564621	21.93	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.44692706
Co 230.786	Co	n	0.00516865	0.00516865	mg/L	157.92677314	0.00014136	2.73487215	2.06582118	1.31	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.31724840
Cr 267.716	Cr	n	0.03769504	0.03769504	mg/L	1161.78792616	0.00089659	2.37852431	25.82277674	2.22	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.23494621
Cu 324.754	Cu	n	0.28609800	0.28609800	mg/L	5282.85557380	0.00503367	1.75942228	87.99486048	1.67	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.24652984
Fe 259.940	Fe	no	57.00979291	57.00979291	mg/L	1483180.82569665	1.13112078	1.98408154	29425.59081547	1.98	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.54360853
K 766.491	K-R	n	2.30813593	2.30813593	mg/L	3453.51378112	0.03598826	1.55919148	55.12417462	1.60	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.726638786
Li 670.783	Li-R	n	0.00093279	0.00093279	mg/L	150.77873629	0.00039432	42.27305178	41.99596322	27.85	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.5840836
Mg 279.800	Mg-R	n	3.02362060	3.02362060	mg/L	7041.44050020	0.02564607	0.84819065	58.78726968	0.83	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.252806556
Mn 257.610	Mn	n	0.28855840	0.28855840	mg/L	47549.60062449	0.00208266	0.72174804	341.66314029	0.72	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.9649801
Mo 204.598	Mo	n	0.00192050	0.00192050	mg/L	16.99222133	0.00220385	114.75386818	5.51385565	32.45	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.919009826
Na 589.592	Na-R	n	5.82857574	5.82857574	mg/L	66459.98347753	0.02960355	0.50790368	330.23426641	0.50	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.22488211
Ni 231.604	Ni	n	0.11566851	0.11566851	mg/L	1077.74653742	0.00182842	1.58074264	16.37281251	1.52	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.616313506
P 177.434	P	n	0.60202371	0.60202371	mg/L	73.40107300	0.01633816	2.71387255	1.95356695	2.66		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.5708324106
Pb 220.353	Pb	n	1.10367530	1.10367530	mg/L	3482.58976610	0.00961815	0.87146569	30.34995368	0.87	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.487160284
S 181.972	S	n	4.73691234	4.73691234	mg/L	2550.78096143	0.01722364	0.36360482	9.04987854	0.35		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.4335156061
Sb 206.834	Sb	nu	-0.00847908	-0.00847908	mg/L	-21.16885336	0.00070807	8.35081220	0.65954535	3.12	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.4663197646
Se 196.026	Se	n	0.01847569	0.01847569	mg/L	33.45406148	0.00580371	31.41267623	6.31216173	18.87	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.608287036
Si 251.611	Si	n	3.55456924	3.55456924	mg/L	13011.87273961	0.02559309	0.72000546	93.55849028	0.72		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.614879271
Sn 189.925	Sn	n	0.05569793	0.05569793	mg/L	199.76026445	0.00082203	1.47586612	2.68344848	1.34	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.429297654
Sr 421.552	Sr-R	n	0.01206128	0.01206128	mg/L	5352.50633119	0.00005947	0.49310579	25.96379958	0.49	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.9138206
Ti 334.941	Ti	n	0.11506442	0.11506442	mg/L	18166.59189249	0.00622865	5.41318943	970.85400837	5.34	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.9694206
Tl 190.794	Tl	nu	-0.00491985	-0.00491985	mg/L	-8.71419141	0.00218239	44.35893624	2.11084119	24.22	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.2133892661
V 292.401	V	n	0.00625840	0.00625840	mg/L	115.02372227	0.00036950	5.90400386	5.93945180	5.16	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.45274501
Zn 206.200	Zn	n	2.87718092	2.87718092	mg/L	50932.89743718	0.03634360	1.26316705	639.52766513	1.26	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.70586357
Y 371.029	Y		0.98	0.98	Ratio	352550.98	0.02	2.53	8923.43	2.53		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.11	1.11	Ratio	194010.62	0.00	0.44	850.61	0.44		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET09	Lab ID: 512355-009	Client ID: DOOR-S-15.4GW-PS-20-240718-L-G
Seqnum: 674289965166	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 345556	Time: 19-JUL-2024 18:28
Cal: 674289965001	Caldate: 19-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.08 ft2 ⇒ 50.0 ml = 46.18 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.381	110	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	349730	-2.60

U=use

Label:	512355-009.345556	Rack/Tube:	3:8	Type:	Sample
Date Time:	7/19/2024 6:28:18 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	-0.00067346	-0.00067346	mg/L	335.05343845	0.00073400	108.99069648	25.93902658	7.74		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850
Al 396.152	Al	n	1.30760080	1.30760080	mg/L	22719.34076327	0.02645168	2.02291696	438.99073429	1.93	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849
As 188.980	As	n	0.02355342	0.02355342	mg/L	56.10829890	0.00066627	2.82876951	1.13804003	2.03	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057
B 249.678	B	n	0.01272244	0.01272244	mg/L	388.56858687	0.00131520	10.33766334	21.74798190	5.60	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936
Ba 230.424	Ba	n	0.02202928	0.02202928	mg/L	996.76521616	0.00092477	4.19790349	33.79074252	3.39	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.6927412
Be 313.107	Be	n	0.00006828	0.00006828	mg/L	132.87144410	0.00002741	40.14968523	30.31771273	22.82	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133
Ca 317.933	Ca-R	n	8.26562054	8.26562054	mg/L	110678.52623135	0.09524313	1.15228045	1257.44855026	1.14	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174
Cd 214.439	Cd	n	0.00014474	0.00014474	mg/L	43.99673710	0.00014786	102.15467132	9.38375623	21.33	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270
Co 230.786	Co	n	0.00376527	0.00376527	mg/L	134.77077977	0.00028490	7.56645382	4.16357773	3.09	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484
Cr 267.716	Cr	n	0.02013117	0.02013117	mg/L	654.40569009	0.00055382	2.75104677	15.95063685	2.44	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462
Cu 324.754	Cu	n	0.08109191	0.08109191	mg/L	1703.09095818	0.00091250	1.12527028	15.95169182	0.94	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465296
Fe 259.940	Fe	no	43.35382744	43.35382744	mg/L	1127926.97801532	0.82403461	1.90071940	21436.88430295	1.90	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085
K 766.491	K-R	n	1.90771699	1.90771699	mg/L	134.77077977	0.02117610	1.11002326	4.16357773	1.14	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	3511.72663876
Li 670.783	Li-R	n	0.00168035	0.00168035	mg/L	229.14614870	0.00029465	17.53514395	31.38124468	13.69	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083
Mg 279.800	Mg-R	n	2.96718287	2.96718287	mg/L	6901.11614715	0.05072981	1.70969602	116.28554374	1.69	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655
Mn 257.610	Mn	n	0.27999461	0.27999461	mg/L	46135.02735116	0.00777090	2.77537451	1274.82348229	2.76	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980
Mo 204.598	Mo	nu	-0.00070126	-0.00070126	mg/L	10.13419099	0.00102922	146.76609454	2.57501780	25.41	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982
Na 589.592	Na-R	n	3.32845635	3.32845635	mg/L	38587.32274634	0.03142150	0.94402612	350.51387080	0.91	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821
Ni 231.604	Ni	n	0.02899404	0.02899404	mg/L	301.02255604	0.00014234	0.49094018	1.27463067	0.42	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350
P 177.434	P	n	0.49506041	0.49506041	mg/L	60.59487773	0.01394771	2.81737530	1.66773925	2.75		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410
Pb 220.353	Pb	n	2.38054270	2.38054270	mg/L	7510.78599613	0.03359913	1.41140611	106.02160757	1.41	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716026
S 181.972	S	n	3.39292185	3.39292185	mg/L	1844.73578787	0.00706096	0.20810853	3.71006491	0.20		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606
Sb 206.834	Sb	nu	-0.00762762	-0.00762762	mg/L	-21.16170959	0.00482750	63.28974555	4.49665335	21.25	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.466319764
Se 196.026	Se	n	0.01074603	0.01074603	mg/L	25.68359965	0.00156510	14.56443023	1.70221392	6.63	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703
Si 251.611	Si	n	2.86674797	2.86674797	mg/L	10498.58783037	0.03988570	1.39132229	145.80677093	1.39		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927
Sn 189.925	Sn	n	0.03768927	0.03768927	mg/L	141.01994718	0.00097834	2.59580610	3.19372322	2.26	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765
Sr 421.552	Sr-R	n	0.01342852	0.01342852	mg/L	5954.75344532	0.00021003	1.56403376	91.68729796	1.54	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820
Ti 334.941	Ti	n	0.10164268	0.10164268	mg/L	16072.59438251	0.01413729	13.90880923	2203.56430320	13.71	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.969420
Tl 190.794	Tl	nu	-0.00008457	-0.00008457	mg/L	-3.83729883	0.00193991	2293.77966356	1.87630762	48.90	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.213389266
V 292.401	V	n	0.00689806	0.00689806	mg/L	132.36830669	0.00053870	7.80947020	8.65933830	6.54	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450
Zn 206.200	Zn	n	9.36613704	9.36613704	mg/L	165059.34070243	0.14308829	1.52771937	2517.88255573	1.53	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635
Y 371.029	Y		0.97	0.97	Ratio	349729.98	0.02	2.44	8546.91	2.44		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.08	1.08	Ratio	188345.84	0.01	1.10	2072.42	1.10		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET09	Lab ID: 512355-011	Client ID: DOOR-S-15.3GW-INT-19 TO 20-240718-L-CB
Seqnum: 674289965167	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 345556	Time: 19-JUL-2024 18:31
Cal: 674289965001	Caldate: 19-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 $\Rightarrow$ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.829	140	0.50		u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	359055	350792	-2.30

U=use

Label: 512355-011,345556

Rack/Tube: 3:9

Type: Sample

Date Time: 7/19/2024 6:31:26 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date Time:

Sample Site:

Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coef
Ag 328.068	Ag	nu	0.00007144	0.00007144	mg/L	361.90605028	0.00015836	221.66933272	5.59635952	1.55		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.110
Al 396.152	Al	n	1.31169010	1.31169010	mg/L	22776.10123440	0.01671900	1.27461509	277.46768668	1.22	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.950
As 188.980	As	n	0.03686382	0.03686382	mg/L	78.86844701	0.00290916	7.89163323	4.96904812	6.30	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.0710
B 249.678	B	n	0.01406049	0.01406049	mg/L	412.38648743	0.00033971	2.41602655	5.61730734	1.36	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.834
Ba 230.424	Ba	n	0.02617209	0.02617209	mg/L	1148.29314773	0.00007667	0.29295082	2.80154764	0.24	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692
Be 313.107	Be	n	0.00006400	0.00006400	mg/L	128.29069796	0.00005509	86.07283725	60.92538776	47.49	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.8
Ca 317.933	Ca-R	n	6.45954563	6.45954563	mg/L	86834.00049916	0.01416027	0.21921469	186.95117086	0.22	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.511
Cd 214.439	Cd	n	0.00055392	0.00055392	mg/L	67.81142652	0.00005181	9.35268425	3.28783468	4.85	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.446
Co 230.786	Co	n	0.00307685	0.00307685	mg/L	123.94299620	0.00079324	25.78095522	11.59267731	9.35	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.317
Cr 267.716	Cr	n	0.01525540	0.01525540	mg/L	513.54862556	0.00013037	0.85456572	3.75474229	0.73	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.234
Cu 324.754	Cu	n	0.16423361	0.16423361	mg/L	3157.48658985	0.00187369	1.14086907	32.75444414	1.04	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.246
Fe 259.940	Fe	no	40.48151066	40.48151066	mg/L	1053204.19767423	0.76496855	1.88967391	19900.30758766	1.89	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.543
K 766.491	K-R	n	2.17253998	2.17253998	mg/L	3248.22601001	0.05304747	2.44172573	81.25421943	2.50	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.7266
Li 670.783	Li-R	n	0.00175513	0.00175513	mg/L	236.30890756	0.00014940	8.51227661	15.91161890	6.73	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.58
Mg 279.800	Mg-R	n	2.69149030	2.69149030	mg/L	6266.32313886	0.00599109	0.22259378	13.73309287	0.22	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.2528
Mn 257.610	Mn	n	0.18879846	0.18879846	mg/L	31171.45739734	0.00499106	2.64358913	818.78746848	2.63	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.96
Mo 204.598	Mo	nu	0.00061505	0.00061505	mg/L	13.30787237	0.00265119	431.05358528	6.63306465	49.84	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.9190
Na 589.592	Na-R	n	5.58193384	5.58193384	mg/L	63729.39778372	0.02196932	0.39357900	245.07270081	0.38	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.224
Ni 231.604	Ni	n	0.06358820	0.06358820	mg/L	610.63413977	0.00096423	1.51636697	8.63431407	1.41	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.6163
P 177.434	P	n	0.61746524	0.61746524	mg/L	75.21845481	0.01470140	2.38092684	1.75785811	2.34		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.57083
Pb 220.353	Pb	n	2.82885595	2.82885595	mg/L	8925.16268386	0.01673557	0.59160214	52.80888373	0.59	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.4871
S 181.972	S	n	4.37082860	4.37082860	mg/L	2358.53385843	0.01703397	0.38971955	8.95022055	0.38		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.43351
Sb 206.834	Sb	nu	-0.02671456	-0.02671456	mg/L	-39.18196092	0.00108106	4.04672457	1.00697535	2.57	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631
Se 196.026	Se	n	0.01071802	0.01071802	mg/L	25.81592723	0.00552893	51.58533717	6.01330823	23.29	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.6082
Si 251.611	Si	n	2.95140724	2.95140724	mg/L	10808.31608731	0.00752803	0.25506571	27.51957044	0.25		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.6148
Sn 189.925	Sn	n	0.04598256	0.04598256	mg/L	168.10685252	0.00167247	3.63717820	5.45965219	3.25	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.4292
Sr 421.552	Sr-R	n	0.01069018	0.01069018	mg/L	4751.21324177	0.00000741	0.06935231	3.23653874	0.07	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.91
Ti 334.941	Ti	n	0.11026038	0.11026038	mg/L	17415.34247173	0.01945131	17.64125257	3031.85585727	17.41	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96
Tl 190.794	Tl	nu	-0.00123032	-0.00123032	mg/L	-4.88120018	0.00558343	453.81784402	5.40036548	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338
V 292.401	V	n	0.00504679	0.00504679	mg/L	104.55691015	0.00053030	10.50769930	8.52430775	8.15	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.452
Zn 206.200	Zn	no	157.28879371	157.28879371	mg/L	2767995.47121993	1.56871342	0.99734596	27604.18868730	1.00	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.705
Y 371.029	Y		0.98	0.98	Ratio	350792.01	0.02	2.30	8074.95	2.30		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.09	1.09	Ratio	190452.17	0.01	0.56	1062.93	0.56		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	Lab ID: QC1170951	
Seqnum: 674289965159.1	Matrix: Wipe	
File: icp data	Batch: 345556	Time: 19-JUL-2024 18:06
Cal: 674289965001	Caldate: 19-JUL-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.003864	ND	0.50	U

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	359055	349618	-2.63

U=use

Label: BLANK, QC1170951, 345556

Rack/Tube: 3:1

Type: Sample

Date Time: 7/19/2024 6:06:22 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date
Time:

Sample Site:

Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00047760	0.00047760	mg/L	381.83458646	0.00058780	123.07424730	20.77246827	5.44		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	0.02892370	0.02892370	mg/L	1432.30458906	0.00235300	8.13521054	39.05032839	2.73	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	nu	-0.00204282	-0.00204282	mg/L	12.73422434	0.00047459	23.23228653	0.81063819	6.37	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	0.00112065	0.00112065	mg/L	217.93124175	0.00057642	51.43642104	9.53166462	4.37	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	0.00145984	0.00145984	mg/L	247.19994445	0.00028383	19.44284946	10.37121623	4.20	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	0.00012070	0.00012070	mg/L	192.68934435	0.00005594	46.34466974	61.86440295	32.11	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	0.01991211	0.01991211	mg/L	1817.59170664	0.00007805	0.39198502	1.03048876	0.06	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	0.00045040	0.00045040	mg/L	36.60797925	0.00005554	12.33090622	3.52473047	9.63	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	0.00123902	0.00123902	mg/L	88.74499931	0.00003473	2.80330375	0.50760516	0.57	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.00052207	0.00052207	mg/L	84.45126219	0.00048444	92.79172211	13.95239253	16.52	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	0.00358744	0.00358744	mg/L	360.76792307	0.00172198	48.00021630	30.10236686	8.34	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	0.18620210	0.18620210	mg/L	4932.58305431	0.00159571	0.85697740	41.51166509	0.84	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	0.10443043	0.10443043	mg/L	85.69603430	0.03665127	35.09634748	56.13971994	65.51	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	nu	-0.00053713	-0.00053713	mg/L	-14.39822609	0.00048669	90.60954647	51.83383959	> 100.00	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	0.00172406	0.00172406	mg/L	68.01514746	0.00222053	128.79699297	5.09002003	7.48	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	n	0.00141227	0.00141227	mg/L	400.29876804	0.00014625	10.35547603	23.99202572	5.99	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	nu	0.00100369	0.00100369	mg/L	13.13045596	0.00133922	133.43001692	3.35062567	25.52	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	nu	-0.02287795	-0.02287795	mg/L	1254.06764996	0.00903854	39.50766786	100.82699294	8.04	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	0.00051222	0.00051222	mg/L	43.99044170	0.00032206	62.87581724	2.88394376	6.56	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	0.01256564	0.01256564	mg/L	2.79800173	0.01105343	87.96547890	1.32166743	47.24		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	0.00386375	0.00386375	mg/L	9.14103332	0.00260423	67.40147069	8.21760216	89.90	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	0.10133200	0.10133200	mg/L	115.25560845	0.00685581	6.76569149	3.60227275	3.13		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	nu	-0.00412372	-0.00412372	mg/L	-20.65606427	0.00311878	75.63017325	2.90503603	14.06	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	0.00595139	0.00595139	mg/L	22.50117374	0.00171498	28.81653779	1.86523151	8.29	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	0.05956838	0.05956838	mg/L	239.96177162	0.00840591	14.11137007	30.72878752	12.81		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	0.02164893	0.02164893	mg/L	88.81004555	0.00228628	10.56070033	7.46339436	8.40	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.00005615	0.00005615	mg/L	78.93807641	0.00003253	57.93069630	14.19895589	17.99	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	0.00157328	0.00157328	mg/L	468.51886743	0.00084663	53.81262761	131.96271845	28.17	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	0.00315930	0.00315930	mg/L	0.03236491	0.00065382	20.69510519	0.63238419	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	0.00039660	0.00039660	mg/L	51.43458896	0.00029477	74.32322184	4.73821656	9.21	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	0.02638869	0.02638869	mg/L	520.54253399	0.00016399	0.62142791	2.88562572	0.55	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		0.97	0.97	Ratio	349618.01	0.03	3.18	11113.84	3.18		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.09	1.09	Ratio	190798.39	0.01	0.47	892.44	0.47		-	-	-	Fitted	-	-

ENTHALPY SPIKE USER REPORT FOR 512355 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET09	Inst: MET09
Seqnum: 674289965160.1	Seqnum: 674289965161.1
File: icp data	File: icp data
IDF: 1.0	IDF: 1.0
Lab ID: QC1170952	Lab ID: QC1170953
Matrix: Wipe	Matrix: Wipe
Batch: 345556	Batch: 345556
Time: 19-JUL-2024 18:09	Time: 19-JUL-2024 18:12
Cal: 674289965001	Cal: 674289965001
Units: ug/ft2	

- BS: 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	50.00	1.051	52.53	A	105	1.024	51.21	A	102	80-120	3	20	u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	359055	350222	-2.46

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	359055	350624	-2.35

U=USE

Label: BS, QC1170952, 345556

Rack/Tube: 3:2

Type: Sample

Date Time: 7/19/2024 6:09:30 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: _____

Customer: _____

Customer Ref.: _____

Sample Date Time: _____

Sample Site: _____

Description: _____

Replicates: 3

Flags Replicate 1: _____

Flags Replicate 2: _____

Flags Replicate 3: _____

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.47146773	0.47146773	mg/L	17026.06438383	0.00302733	0.64210700	106.98305438	0.63		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	0.95293025	0.95293025	mg/L	16772.45679874	0.01389902	1.45855636	230.66752165	1.38	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	n	0.99373227	0.99373227	mg/L	1713.60056886	0.00419209	0.42185302	7.16038683	0.42	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	0.94641853	0.94641853	mg/L	15848.83271378	0.00684443	0.72319276	113.17836584	0.71	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	1.01626153	1.01626153	mg/L	37327.79672178	0.01927064	1.89622804	704.14312157	1.89	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.04555586	1.04555586	mg/L	1156410.15899334	0.01625273	1.55445795	17974.99319303	1.55	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	1.00590334	1.00590334	mg/L	14836.97691809	0.00602938	0.59939919	79.60291472	0.54	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.03175050	1.03175050	mg/L	65488.08403934	0.01207001	1.16985773	766.01669917	1.17	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.08249749	1.08249749	mg/L	15890.85251606	0.01265862	1.16939055	184.99713759	1.16	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.99645151	0.99645151	mg/L	28768.60191018	0.01035856	1.03954490	298.33934483	1.04	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	1.01871805	1.01871805	mg/L	18106.33063433	0.01189274	1.16742222	207.89993524	1.15	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.12487452	1.12487452	mg/L	29354.44206608	0.01391236	1.23679189	361.92361367	1.23	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	9.18601688	9.18601688	mg/L	13996.19606600	0.09053978	0.98562612	138.68219495	0.99	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	n	0.96474526	0.96474526	mg/L	102791.28584057	0.00373952	0.38761765	398.26885129	0.39	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	0.96649204	0.96649204	mg/L	2280.23634720	0.01134836	1.17418011	26.01330377	1.14	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	n	1.06058489	1.06058489	mg/L	174159.46491004	0.01451852	1.36891681	2381.77800393	1.37	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	1.01512605	1.01512605	mg/L	2550.46677761	0.01823206	1.79603925	45.61514315	1.79	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	1.29051186	1.29051186	mg/L	15904.81529317	0.01132080	0.87723320	126.28605332	0.79	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	1.03267205	1.03267205	mg/L	9286.63346698	0.00878723	0.85092169	78.68627751	0.85	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	0.02673952	0.02673952	mg/L	4.50083193	0.01580802	59.11856356	1.89017787	42.00		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	1.05054321	1.05054321	mg/L	3310.94799353	0.00653944	0.62248189	20.63512277	0.62	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	0.02266363	0.02266363	mg/L	73.97405925	0.00534089	23.56590608	2.80628194	3.79		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	0.95611132	0.95611132	mg/L	873.82680722	0.01400733	1.46503137	13.04735674	1.49	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	0.93181987	0.93181987	mg/L	1029.45924321	0.00022182	0.02380549	0.24125793	0.02	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	4.60257839	4.60257839	mg/L	16847.43599594	0.04778894	1.03830791	174.69794308	1.04		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	0.01922581	0.01922581	mg/L	80.90851139	0.00248118	12.90549111	8.09965256	10.01	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.99437393	0.99437393	mg/L	434153.31893268	0.00205517	0.20668003	897.18735418	0.21	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.02234576	1.02234576	mg/L	159575.50001425	0.01103665	1.07954149	1720.27073345	1.08	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	1.04390953	1.04390953	mg/L	1006.63148136	0.02622272	2.51197263	25.36296754	2.52	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	1.00071314	1.00071314	mg/L	16130.46668003	0.01335056	1.33410423	214.60288648	1.33	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.16412790	1.16412790	mg/L	20545.26778274	0.00701195	0.60233483	123.38718244	0.60	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		0.98	0.98	Ratio	350221.56	0.02	2.33	8148.54	2.33		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.07	1.07	Ratio	187924.12	0.01	0.65	1228.59	0.65		-	-	-	Fitted	-	-

Label:	BSD, QC1170953, 345556	Rack/Tube:	3:3	Type:	Sample
Date Time:	7/19/2024 6:12:38 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient (3):	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3	Flags Replicate 2:		Flags Replicate 3:	

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.46640730	0.46640730	mg/L	16847.24183130	0.00405630	0.86968944	143.34586015	0.85		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	0.92898254	0.92898254	mg/L	16374.78997645	0.01986668	2.13854163	329.70640099	2.01	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	n	0.96377985	0.96377985	mg/L	1662.43957754	0.01287035	1.33540345	21.98347109	1.32	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	0.92965471	0.92965471	mg/L	15571.65390368	0.01376424	1.48057537	227.60317140	1.46	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	0.99082839	0.99082839	mg/L	36398.47717418	0.02122041	2.14168356	775.38721412	2.13	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.01930424	1.01930424	mg/L	1127376.72264301	0.02603217	2.55391548	28790.74264939	2.55	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	0.97026383	0.97026383	mg/L	14366.38927413	0.00761834	0.78518245	100.58124151	0.70	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.01018321	1.01018321	mg/L	64119.29323903	0.01300834	1.28772110	825.56724810	1.29	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.05588974	1.05588974	mg/L	15501.98486575	0.02185111	2.06944989	319.33903835	2.06	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.97190968	0.97190968	mg/L	28061.75867882	0.01887285	1.94183159	543.56135987	1.94	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	1.00426760	1.00426760	mg/L	17853.73207635	0.02064430	2.05565721	360.88808397	2.02	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.08293980	1.08293980	mg/L	28263.43563140	0.02396895	2.21332267	623.54135108	2.21	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	8.90107223	8.90107223	mg/L	13559.74222383	0.07688603	0.86378388	117.76837630	0.87	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	n	0.93331678	0.93331678	mg/L	99444.04580486	0.00592685	0.63503078	631.22471417	0.63	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	0.93407480	0.93407480	mg/L	2205.88352784	0.00651022	0.69696999	14.92307257	0.68	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	n	1.03131838	1.03131838	mg/L	169358.21712571	0.02238148	2.17018163	3671.70371198	2.17	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	0.99606276	0.99606276	mg/L	2502.76861621	0.02562039	2.57216641	64.10014521	2.56	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	1.23890908	1.23890908	mg/L	15329.21771768	0.01447288	1.16819524	161.44819678	1.05	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	1.00426335	1.00426335	mg/L	9032.24169104	0.01832953	1.82517177	164.13391877	1.82	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	nu	0.01008481	0.01008481	mg/L	2.50909865	0.01028522	101.98724879	1.22981244	49.01		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	1.02417998	1.02417998	mg/L	3227.78392699	0.00919968	0.89824848	29.02947549	0.90	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	0.05309550	0.05309550	mg/L	89.96230024	0.00545597	10.27576449	2.86674868	3.19		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	0.95817037	0.95817037	mg/L	875.74114482	0.01831561	1.91151919	17.06037435	1.95	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	0.91138646	0.91138646	mg/L	1007.23774124	0.00454165	0.49832367	4.93954104	0.49	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	4.77646040	4.77646040	mg/L	17483.08429509	0.05722017	1.19796184	209.17491486	1.20		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	0.01920305	0.01920305	mg/L	80.83412459	0.00046736	2.43377318	1.52565940	1.89	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.96620988	0.96620988	mg/L	421858.10541772	0.01059333	1.09637932	4624.52582575	1.10	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.00256484	1.00256484	mg/L	156492.25909779	0.02898520	2.89110479	4517.89328891	2.89	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Ti 190.794	Ti	n	1.01634136	1.01634136	mg/L	979.96849353	0.02594474	2.55275806	25.09409587	2.56	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	0.98086344	0.98086344	mg/L	15811.42412514	0.02221143	2.26447699	357.03652978	2.26	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.15268171	1.15268171	mg/L	20343.60369071	0.01205878	1.04615003	212.19480574	1.04	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		0.98	0.98	Ratio	350623.65	0.03	2.81	9837.88	2.81		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.10	1.10	Ratio	193135.27	0.01	0.97	1880.75	0.97		-	-	-	Fitted	-	-

Instrument: MET09	Date: 19-JUL-2024 08:50
Calibration #: 674289965001	X Axis: R
Units: mg/L	

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	674289965004	L1	19-JUL-2024 08:54	S21190
L2	icp data	674289965005	L2	19-JUL-2024 08:57	S21189
L3	icp data	674289965006	L3	19-JUL-2024 09:00	S21188
L4	icp data	674289965007	L4	19-JUL-2024 09:03	S21187
L5	icp data	674289965008	L5	19-JUL-2024 09:06	S21186
L6	icp data	674289965009	L6	19-JUL-2024 09:09	S21166

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00152	3.19E-4		2886.8	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
 WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	2328.1	2392.9	3192.5	3159.7	3102.5	3145.0

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	20	0.0100	-9	0.1000	3	1.0000	1	5.0000	-1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	Cal Date: 19-JUL-2024
Calnum: 674289965001	

- ICV 674289965012 (19-JUL-2024) stds: S21181

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	0.9840	mg/L	-2	10	

Label: ICALBLK

Rack:Tube: S1:1

Type: BLK

Date Time: 7/19/2024 8:50:58 AM

%RSE: -

Weight: -

Volume: -

Dilution: -

Correlation coefficient: -

%RSE limit: -

Calibration Coefficient [1]: -

Calibration Coefficient [2]: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2
Ag 328.068	Ag	n!	0.00000000	0.00000000	mg/L	364.97995778	-	-	22.19174333	6.08	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	339.45689633	379.71720922
Al 396.152	Al	n!	0.00000000	0.00000000	mg/L	962.21207936	-	-	23.46439848	2.44	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	961.67624362	985.93980661
As 188.980	As	n!	0.00000000	0.00000000	mg/L	14.88437122	-	-	2.67433883	17.97	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	14.39499196	12.48851752
B 249.678	B	n!	0.00000000	0.00000000	mg/L	207.17233009	-	-	11.07406135	5.35	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	219.30966805	197.61817619
Ba 230.424	Ba	n!	0.00000000	0.00000000	mg/L	217.22358437	-	-	10.56212587	4.86	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	205.77762854	219.29949851
Be 313.107	Be	n!	0.00000000	0.00000000	mg/L	123.37388779	-	-	34.10666779	27.65	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	88.28569731	156.40600919
Ca 317.933	Ca-R	n!	0.00000000	0.00000000	mg/L	1598.02536170	-	-	10.02895658	0.63	Y-R (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	1609.19370127	1595.09281661
Cd 214.439	Cd	n!	0.00000000	0.00000000	mg/L	9.25373337	-	-	3.51566733	37.99	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	5.74133871	12.77266425
Co 230.786	Co	n!	0.00000000	0.00000000	mg/L	84.79963865	-	-	9.00831845	10.62	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	91.42733891	88.42877010
Cr 267.716	Cr	n!	0.00000000	0.00000000	mg/L	67.94708156	-	-	2.58018434	3.80	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	70.77239620	65.71555360
Cu 324.754	Cu	n!	0.00000000	0.00000000	mg/L	318.33946782	-	-	18.82060356	5.91	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	299.06058239	319.29222238
Fe 259.940	Fe	n!	0.00000000	0.00000000	mg/L	56.44659037	-	-	11.44151892	20.27	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	69.24082624	52.90236601
K 766.491	K-R	n!	0.00000000	0.00000000	mg/L	144.14879163	-	-	14.80947543	10.27	Y-R (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	134.91916029	136.29641068
Li 670.783	Li-R	n!	Error	Error	mg/L	79304.90694690	-	-	200.95038936	N/A	Y-R (371.029 nm)	Linear	FACT	Error	Error	Error	79151.22093225	79231.195925
Mg 279.800	Mg-R	n!	0.00000000	0.00000000	mg/L	44.26348406	-	-	14.16802918	32.01	Y-R (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	52.07687229	27.90904823
Mn 257.610	Mn	n!	0.00000000	0.00000000	mg/L	174.83792958	-	-	6.91283238	3.95	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	171.59045602	182.77654467
Mo 204.598	Mo	n!	0.00000000	0.00000000	mg/L	14.15348102	-	-	3.20839950	22.67	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	12.82633221	17.81252439
Na 589.592	Na-R	n!	0.00000000	0.00000000	mg/L	1455.61649205	-	-	185.64951990	12.75	Y-R (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	1627.46447554	1480.67424281
Ni 231.604	Ni	n!	0.00000000	0.00000000	mg/L	50.48025230	-	-	11.24003913	22.27	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	39.62963859	62.07294241
P 177.434	P	n!	0.00000000	0.00000000	mg/L	1.29498377	-	-	0.31187813	24.08	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	1.64857002	1.05902527
Pb 220.353	Pb	n!	0.00000000	0.00000000	mg/L	-4.72354097	-	-	8.56980367	> 100.00	Y (371.029 nm)	Linear	Off-Peak Right	0.00000000	0.00000000	0.00000000	3.85085200	-13.28874795
S 181.972	S	n!	0.00000000	0.00000000	mg/L	62.01187901	-	-	1.37289973	2.21	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	62.45714798	63.10687699
Sb 206.834	Sb	n!	0.00000000	0.00000000	mg/L	-20.61685032	-	-	7.81564462	37.91	Y (371.029 nm)	Linear	Off-Peak Right	0.00000000	0.00000000	0.00000000	-13.63791331	-19.15100555
Se 196.026	Se	n!	0.00000000	0.00000000	mg/L	16.01568341	-	-	4.64357601	28.99	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	12.14185771	14.74200380
Si 251.611	Si	n!	0.00000000	0.00000000	mg/L	22.21608230	-	-	8.22471190	37.02	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	14.40791583	30.80207627
Sn 189.925	Sn	n!	0.00000000	0.00000000	mg/L	19.45912812	-	-	1.18798723	6.11	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	18.10617241	19.93952744
Sr 421.552	Sr-R	n!	0.00000000	0.00000000	mg/L	65.33034669	-	-	15.20940043	23.28	Y-R (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	80.21024473	65.96921793
Ti 334.941	Ti	n!	0.00000000	0.00000000	mg/L	255.42403054	-	-	32.82190970	12.85	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	291.45940443	247.57328156
Tl 190.794	Tl	n!	0.00000000	0.00000000	mg/L	3.77617130	-	-	1.97780466	52.38	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	2.60701302	2.66177636
V 292.401	V	n!	0.00000000	0.00000000	mg/L	46.41643167	-	-	5.46633873	11.78	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	42.55297978	44.02540806
Zn 206.200	Zn	n!	0.00000000	0.00000000	mg/L	63.67328264	-	-	3.43648423	5.40	Y (371.029 nm)	Linear	Fitted	0.00000000	0.00000000	0.00000000	62.14467124	61.26632136
Y 371.029	Y	!	1.00	1.00	Ratio	359055.40	0.00	0.00	4117.87	1.15	-	-	Fitted	1.00	1.00	1.00	354927.40	359075.72
Y 371.029	Y-R	!	1.00	1.00	Ratio	174829.98	0.00	0.00	2159.31	1.24	-	-	Fitted	1.00	1.00	1.00	176483.72	175619.12

Label: ICAL,L1,S21190

Rack/Tube: S1:2

Type: STD

Date Time: 7/19/2024 8:54:05 AM

%RSE: _____

Weight: -

Volume: -

Dilution: -

Correlation coefficient: -

%RSE limit: -

Calibration Coefficient [1]: -

Calibration Coefficient [2]: -

Calibration Coefficient [3]: -

LIMS ID: _____

Customer: _____

Customer Ref.: _____

Sample Date Time: _____

Sample Site: _____

Description: _____

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2
Ag 328.068	Ag	n			mg/L	363.94232978	-	-	28.73350423	7.90	Y (371.029 nm)	Linear	Fitted				396.82815902	351.30808186
Al 396.152	Al	n	0.00666667	0.00666667	mg/L	1085.95482223	-	-	16.97353159	1.56	Y (371.029 nm)	Linear	Fitted	0.00666667	0.00666667	0.00666667	1105.55023503	1075.81708288
As 188.980	As	n	0.00333333	0.00333333	mg/L	23.61397677	-	-	2.00320172	8.48	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	22.62875733	25.91899486
B 249.678	B	n	0.00333333	0.00333333	mg/L	256.53870325	-	-	9.22946582	3.60	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	263.15236047	260.46911810
Ba 230.424	Ba	n	0.00333333	0.00333333	mg/L	313.98795811	-	-	9.38315414	2.99	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	303.29351160	317.83012591
Be 313.107	Be	n	0.00100000	0.00100000	mg/L	963.84841425	-	-	74.92785015	7.77	Y (371.029 nm)	Linear	Fitted	0.00100000	0.00100000	0.00100000	906.94926331	935.85290406
Ca 317.933	Ca-R	n	0.03333333	0.03333333	mg/L	1902.83322455	-	-	22.80969364	1.20	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	1879.14926130	1924.65441143
Cd 214.439	Cd	n	0.00166667	0.00166667	mg/L	112.07962089	-	-	4.39720838	3.92	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	109.80635389	109.28438023
Co 230.786	Co	n	0.00166667	0.00166667	mg/L	88.18385092	-	-	12.27453825	13.92	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	74.59891278	98.47651727
Cr 267.716	Cr	n	0.00333333	0.00333333	mg/L	165.73474021	-	-	1.20041929	0.72	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	166.96504474	164.56662362
Cu 324.754	Cu	n	0.00333333	0.00333333	mg/L	395.41392977	-	-	7.32255378	1.85	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	398.00194918	401.09103263
Fe 259.940	Fe	n	0.00666667	0.00666667	mg/L	296.08435508	-	-	7.42462256	2.51	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00666667	0.00666667	0.00666667	288.0908766	297.39717766
K 766.491	K-R	n	0.06666667	0.06666667	mg/L	186.36846738	-	-	36.35412546	19.51	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	196.40875899	146.04935776
Li 670.783	Li-R	n	Error	Error	mg/L	78396.45721924	-	-	627.21904310	N/A	Y-R (371.029 nm)	Linear	FACT	Error	Error	Error	78369.16462559	79036.87705075
Mg 279.800	Mg-R	n	0.03333333	0.03333333	mg/L	136.52974123	-	-	6.44289704	4.72	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	130.01388335	142.89711053
Mn 257.610	Mn	n	0.00333333	0.00333333	mg/L	705.30922590	-	-	8.56834810	1.21	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	714.96176439	698.60200883
Mo 204.598	Mo	n	0.00333333	0.00333333	mg/L	19.83121352	-	-	1.96168795	9.89	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	17.90963362	19.75331793
Na 589.592	Na-R	n	0.06666667	0.06666667	mg/L	2242.61587899	-	-	172.61754638	7.70	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	2338.45683497	2346.04830215
Ni 231.604	Ni	n	0.00333333	0.00333333	mg/L	71.50122274	-	-	5.63504251	7.88	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	77.41607202	70.89212143
P 177.434	P	n			mg/L	2.07708925	-	-	0.48426701	23.31	Y (371.029 nm)	Linear	Fitted				2.61797514	1.92951359
Pb 220.353	Pb	n	0.00333333	0.00333333	mg/L	7.76025397	-	-	2.79823538	36.06	Y (371.029 nm)	Linear	Off-Peak Right	0.00333333	0.00333333	0.00333333	8.16251120	4.78265943
S 181.972	S	n			mg/L	60.71995295	-	-	1.39783626	2.30	Y (371.029 nm)	Linear	Fitted				59.26817547	62.05674498
Sb 206.834	Sb	n	0.01000010	0.01000010	mg/L	-7.30385265	-	-	1.31351189	17.98	Y (371.029 nm)	Linear	Off-Peak Right	0.01000010	0.01000010	0.01000010	-7.19123101	-6.05027769
Se 196.026	Se	n	0.01000001	0.01000001	mg/L	28.77277560	-	-	5.49088586	19.08	Y (371.029 nm)	Linear	Fitted	0.01000001	0.01000001	0.01000001	24.85853299	26.41030709
Si 251.611	Si	n			mg/L	39.16073223	-	-	5.22617560	13.35	Y (371.029 nm)	Linear	Fitted				33.76327971	44.19688039
Sn 189.925	Sn	n	0.00333333	0.00333333	mg/L	21.46289249	-	-	3.10741577	14.48	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	18.15117180	21.92275436
Sr 421.552	Sr-R	n	0.01666667	0.01666667	mg/L	7100.96624732	-	-	70.28944083	0.99	Y-R (371.029 nm)	Linear	Fitted	0.01666667	0.01666667	0.01666667	7112.16723438	7164.98262609
Ti 334.941	Ti	n	0.00333333	0.00333333	mg/L	742.77401114	-	-	28.99247092	3.90	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	722.99836943	776.05534320
Tl 190.794	Tl	n	0.01000010	0.01000010	mg/L	8.26642698	-	-	3.44280722	41.65	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	4.29643854	10.07165622
V 292.401	V	n	0.00166667	0.00166667	mg/L	71.92884289	-	-	5.78672725	8.05	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00166667	0.00166667	0.00166667	67.15311334	78.36399289
Zn 206.200	Zn	n	0.01000010	0.01000010	mg/L	210.47426664	-	-	6.87078346	3.26	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	203.64836605	210.38536367
Y 371.029	Y		1.00	1.00	Ratio	360387.51	0.01	0.98	3524.79	0.98	-	-	Fitted	0.99	1.00	1.01	356995.03	360136.34
Y 371.029	Y-R		1.02	1.02	Ratio	177459.50	0.01	0.81	1439.54	0.81	-	-	Fitted	1.02	1.01	1.02	177791.64	175882.92

Label: ICAL,L2,S21189

Rack/Tube: S1:3

Type: STD

Date Time: 7/19/2024 8:57:12 AM

%RSE: -

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag	n			mg/L	374.14831364	-	-	10.26281049	2.74	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.02000000	0.02000000	mg/L	1255.32503538	-	-	18.50372446	1.47	Y (371.029 nm)	Linear	1.00000	Fitted	962.212079357998	18561.4132871001	0.02000000	0.02000000
As 188.980	As	n	0.01000000	0.01000000	mg/L	36.72222079	-	-	4.06094986	11.06	Y (371.029 nm)	Linear	1.00000	Fitted	14.8843712238504	2618.88192571454	0.01000000	0.01000000
B 249.678	B	n	0.01000000	0.01000000	mg/L	343.66349882	-	-	23.43734771	6.82	Y (371.029 nm)	Linear	1.00000	Fitted	207.172330087222	14809.9134292412	0.01000000	0.01000000
Ba 230.424	Ba	n	0.01000000	0.01000000	mg/L	540.16571210	-	-	10.03693760	1.86	Y (371.029 nm)	Linear	1.00000	Fitted	217.223584366005	29029.3150261547	0.01000000	0.01000000
Be 313.107	Be	n	0.00300000	0.00300000	mg/L	3172.38504241	-	-	103.10930931	3.25	Y (371.029 nm)	Linear	1.00000	Fitted	123.373887790645	840474.526458203	0.00300000	0.00300000
Ca 317.933	Ca-R	n	0.10000000	0.10000000	mg/L	2771.35200358	-	-	19.90961279	0.72	Y-R (371.029 nm)	Linear	1.00000	Fitted	1598.02536170128	9144.2359770433	0.10000000	0.10000000
Cd 214.439	Cd	n	0.00500000	0.00500000	mg/L	325.13488498	-	-	1.97317531	0.61	Y (371.029 nm)	Linear	1.00000	Fitted	9.25373336592902	61695.5201732795	0.00500000	0.00500000
Co 230.786	Co	n	0.00500000	0.00500000	mg/L	133.18857772	-	-	19.11626318	14.35	Y (371.029 nm)	Linear	1.00000	Fitted	84.7996386477886	2030.52695536199	0.00500000	0.00500000
Cr 267.716	Cr	n	0.01000000	0.01000000	mg/L	354.50282373	-	-	16.59362795	4.68	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	67.9470815606015	29336.3005286361	0.01000000	0.01000000
Cu 324.754	Cu	n	0.01000000	0.01000000	mg/L	442.57297897	-	-	6.43656721	1.45	Y (371.029 nm)	Linear	1.00000	Fitted	318.339467819208	23122.3408967971	0.01000000	0.01000000
Fe 259.940	Fe	n	0.02000000	0.02000000	mg/L	568.12184978	-	-	10.45563779	1.84	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	56.4465903725344	35945.6683012856	0.02000000	0.02000000
K 766.491	K-R	n	0.20000000	0.20000000	mg/L	335.43307032	-	-	39.78140617	11.86	Y-R (371.029 nm)	Linear	1.00000	Fitted	144.148791629278	633.295133113755	0.20000000	0.20000000
Li 670.783	Li-R	n	Error	Error	mg/L	78494.90883350	-	-	945.72191182	N/A	Y-R (371.029 nm)	Linear	-	FACT	-	-	Error	Error
Mg 279.800	Mg-R	n	0.10000000	0.10000000	mg/L	282.46901858	-	-	9.95832963	3.53	Y-R (371.029 nm)	Linear	1.00000	Fitted	44.2634840641363	2767.98799162542	0.10000000	0.10000000
Mn 257.610	Mn	n	0.01000000	0.01000000	mg/L	1810.65961412	-	-	28.74758128	1.59	Y (371.029 nm)	Linear	1.00000	Fitted	174.837929579079	159141.404810112	0.01000000	0.01000000
Mo 204.598	Mo	n	0.01000000	0.01000000	mg/L	34.26416348	-	-	1.62355524	4.74	Y (371.029 nm)	Linear	1.00000	Fitted	14.1534810163431	1703.31992081296	0.01000000	0.01000000
Na 589.592	Na-R	n	0.20000000	0.20000000	mg/L	3661.17526190	-	-	115.72659076	3.16	Y-R (371.029 nm)	Linear	1.00000	Fitted	1455.61649204933	11804.9902138491	0.20000000	0.20000000
Ni 231.604	Ni	n	0.01000000	0.01000000	mg/L	127.26257378	-	-	3.39904509	2.67	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	50.4802523048434	6306.2917604469	0.01000000	0.01000000
P 177.434	P	n			mg/L	1.82563743	-	-	0.55639014	30.48	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.01000000	0.01000000	mg/L	23.92885690	-	-	8.20871093	34.30	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-4.72354097138791	3745.13885780492	0.01000000	0.01000000
S 181.972	S	n			mg/L	55.39137133	-	-	2.79345876	5.04	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.03000030	0.03000030	mg/L	10.80975061	-	-	5.26128170	48.67	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-20.6168503199152	1331.28645439202	0.03000030	0.03000030
Se 196.026	Se	n	0.03000003	0.03000003	mg/L	50.23338885	-	-	4.19334408	8.35	Y (371.029 nm)	Linear	1.00000	Fitted	16.0156834130219	1275.70794289848	0.03000003	0.03000000
Si 251.611	Si	n			mg/L	37.31530904	-	-	11.78741823	31.59	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.01000000	0.01000000	mg/L	46.79979644	-	-	10.34149494	22.10	Y (371.029 nm)	Linear	1.00000	Fitted	19.4591281215984	601.129369179715	0.01000000	0.01000000
Sr 421.552	Sr-R	n	0.05000000	0.05000000	mg/L	21661.83601712	-	-	209.14345434	0.97	Y-R (371.029 nm)	Linear	1.00000	Fitted	65.3303466853394	422138.145595235	0.05000000	0.05000000
Ti 334.941	Ti	n	0.01000000	0.01000000	mg/L	1768.57100602	-	-	21.62218380	1.22	Y (371.029 nm)	Linear	1.00000	Fitted	255.424030537297	146205.00880276	0.01000000	0.01000000
Tl 190.794	Tl	n	0.03000030	0.03000030	mg/L	21.42812510	-	-	1.58801952	7.41	Y (371.029 nm)	Linear	1.00000	Fitted	3.77617130371781	449.021077001514	0.03000030	0.03000030
V 292.401	V	n	0.00500000	0.00500000	mg/L	125.57064978	-	-	1.99976107	1.59	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	46.416431666421	15307.4436703558	0.00500000	0.00500000
Zn 206.200	Zn	n	0.03000030	0.03000030	mg/L	569.14914112	-	-	7.33523870	1.29	Y (371.029 nm)	Linear	1.00000	Fitted	63.6732826437995	14679.9516001292	0.03000030	0.03000030
Y 371.029	Y		1.00	1.00	Ratio	358834.46	0.01	0.73	2628.96	0.73	-	-	-	Fitted	-	-	0.99	1.00
Y 371.029	Y-R		1.01	1.01	Ratio	176982.26	0.01	1.15	2034.15	1.15	-	-	-	Fitted	-	-	1.02	1.02

Label: ICAL,L3,S21188

Rack:Tube: S1:4

Type: STD

Date Time: 7/19/2024 9:00:19 AM

%RSE: _____

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: _____

Customer: _____

Customer Ref.: _____

Sample Date

Sample Site: _____

Description: _____

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag	n			mg/L	367.66775631	-	-	6.59522775	1.79	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.20000000	0.20000000	mg/L	4117.70924180	-	-	102.15525611	2.48	Y (371.029 nm)	Linear	0.99495	Fitted	978.954725950544	14078.8090822431	0.20000000	0.200000
As 188.980	As	n	0.10000000	0.10000000	mg/L	176.39437754	-	-	4.86345186	2.76	Y (371.029 nm)	Linear	0.99720	Fitted	15.6506954162074	2195.50219495926	0.10000000	0.100000
B 249.678	B	n	0.10000000	0.10000000	mg/L	1758.90101991	-	-	44.79190566	2.55	Y (371.029 nm)	Linear	0.99950	Fitted	208.748354550586	13844.4829441568	0.10000000	0.100000
Ba 230.424	Ba	n	0.10000000	0.10000000	mg/L	3821.63029327	-	-	109.96161863	2.88	Y (371.029 nm)	Linear	0.99931	Fitted	211.784787482819	32592.5240225719	0.10000000	0.100000
Be 313.107	Be	n	0.03000000	0.03000000	mg/L	33092.12741150	-	-	1016.32199702	3.07	Y (371.029 nm)	Linear	0.99799	Fitted	104.72312888691	994144.547020368	0.03000000	0.030000
Ca 317.933	Ca-R	n	1.00000000	1.00000000	mg/L	14797.80598858	-	-	87.85875265	0.59	Y-R (371.029 nm)	Linear	0.99677	Fitted	1588.5237143122	11641.0496182758	1.00000000	1.000000
Cd 214.439	Cd	n	0.05000000	0.05000000	mg/L	3178.00883939	-	-	106.06274414	3.34	Y (371.029 nm)	Linear	0.99996	Fitted	8.4487502682764	63311.8696613115	0.05000000	0.050000
Co 230.786	Co	n	0.05000000	0.05000000	mg/L	763.80489622	-	-	18.82487699	2.46	Y (371.029 nm)	Linear	0.96356	Fitted	81.7665452537198	8918.55194177168	0.05000000	0.050000
Cr 267.716	Cr	n	0.10000000	0.10000000	mg/L	2896.33322090	-	-	97.02197247	3.35	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	68.234865560757	29221.9339941116	0.10000000	0.100000
Cu 324.754	Cu	n	0.10000000	0.10000000	mg/L	1883.46998715	-	-	55.12270239	2.93	Y (371.029 nm)	Linear	0.94660	Fitted	357.391515179318	8746.52490726308	0.10000000	0.100000
Fe 259.940	Fe	n	0.20000000	0.20000000	mg/L	5299.29095457	-	-	173.90133538	3.28	Y (371.029 nm)	Linear	0.98823	Off-Peak Left+Right	104.502038136545	24184.2569773302	0.20000000	0.200000
K 766.491	K-R	n	2.00000000	2.00000000	mg/L	2882.59713421	-	-	9.31473584	0.32	Y-R (371.029 nm)	Linear	0.99259	Fitted	142.173982129134	930.671158163711	2.00000000	2.000000
Li 670.783	Li-R	n	Error	Error	mg/L	87873.18851929	-	-	380.18320314	N/A	Y-R (371.029 nm)	Linear	-	FACT	-	-	Error	Error
Mg 279.800	Mg-R	n	1.00000000	1.00000000	mg/L	2378.76442525	-	-	8.74363323	0.37	Y-R (371.029 nm)	Linear	0.99815	Fitted	56.4088945611065	2290.6022758309	1.00000000	1.000000
Mn 257.610	Mn	n	0.10000000	0.10000000	mg/L	16929.18015654	-	-	551.18457148	3.26	Y (371.029 nm)	Linear	0.99995	Fitted	172.309071232442	161648.375403688	0.10000000	0.100000
Mo 204.598	Mo	n	0.10000000	0.10000000	mg/L	252.96425468	-	-	11.92677234	4.71	Y (371.029 nm)	Linear	0.99843	Fitted	13.3458070973032	2081.49462070041	0.10000000	0.100000
Na 589.592	Na-R	n	2.00000000	2.00000000	mg/L	24100.26171965	-	-	210.08648084	0.87	Y-R (371.029 nm)	Linear	0.99965	Fitted	1481.1624427323	10924.8806093918	2.00000000	2.000000
Ni 231.604	Ni	n	0.10000000	0.10000000	mg/L	924.46409795	-	-	25.06859870	2.71	Y (371.029 nm)	Linear	0.99786	Off-Peak Left+Right	46.1615569460837	8090.35470249182	0.10000000	0.100000
P 177.434	P	n			mg/L	1.22388784	-	-	1.10880901	90.60	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.10000000	0.10000000	mg/L	319.24694397	-	-	10.76086240	3.37	Y (371.029 nm)	Linear	0.99328	Off-Peak Right	-1.72918909204478	2703.17113717322	0.10000000	0.100000
S 181.972	S	n			mg/L	54.84208927	-	-	3.01883160	5.50	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.30000300	0.30000300	mg/L	256.32101355	-	-	12.14410377	4.74	Y (371.029 nm)	Linear	0.99479	Off-Peak Right	-17.0002232706132	954.304886480594	0.30000300	0.300000
Se 196.026	Se	n	0.30000030	0.30000030	mg/L	329.92261208	-	-	9.06798583	2.75	Y (371.029 nm)	Linear	0.99902	Fitted	16.4816221972857	1131.39052370671	0.30000030	0.300000
Si 251.611	Si	n			mg/L	28.86407031	-	-	6.01965682	20.86	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.10000000	0.10000000	mg/L	326.13770521	-	-	12.27677689	3.76	Y (371.029 nm)	Linear	0.96439	Fitted	19.1573433297411	1620.81318426857	0.10000000	0.100000
Sr 421.552	Sr-R	n	0.50000000	0.50000000	mg/L	220688.27466743	-	-	789.11233788	0.36	Y-R (371.029 nm)	Linear	0.99996	Fitted	62.7890124382191	427175.577450209	0.50000000	0.500000
Ti 334.941	Ti	n	0.10000000	0.10000000	mg/L	15508.25802139	-	-	476.62356478	3.07	Y (371.029 nm)	Linear	0.99992	Fitted	246.503778842501	152013.161446641	0.10000000	0.100000
Tl 190.794	Tl	n	0.30000300	0.30000300	mg/L	236.56116999	-	-	28.55128654	12.07	Y (371.029 nm)	Linear	0.99628	Fitted	3.51415676260836	594.311071504061	0.30000300	0.300000
V 292.401	V	n	0.05000000	0.05000000	mg/L	825.48006930	-	-	20.75442438	2.51	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	46.0483520762673	15899.5334195433	0.05000000	0.050000
Zn 206.200	Zn	n	0.30000300	0.30000300	mg/L	5493.97913416	-	-	186.70786571	3.40	Y (371.029 nm)	Linear	0.99888	Fitted	60.7508433922791	16724.5239111668	0.30000300	0.300000
Y 371.029	Y		1.00	1.00	Ratio	358642.19	0.01	1.08	3886.35	1.08	-	-	-	Fitted	-	-	0.99	1.00
Y 371.029	Y-R		1.01	1.01	Ratio	177427.62	0.01	0.50	894.74	0.50	-	-	-	Fitted	-	-	1.02	1.01

Label: ICAL_L4,S21187 Rack:Tube: S1:5 Type: STD

Date Time: 7/19/2024 9:03:26 AM Weight: - Volume: -

Dilution: - %RSE limit: - Calibration Coefficient [3]: -

LIMS ID: - Customer: - Customer Ref.: -

Sample Date: - Sample Site: - Description: -

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	379.17426507	-	-	7.48895972	1.98		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	2.00000000	2.00000000	mg/L	33352.41621699	-	-	874.00770099	2.62	18.16087866	Y (371.029 nm)	Linear	0.99994	Fitted	964.753664540727	15556.9224416249
As 188.980	As	n	1.00000000	1.00000000	mg/L	1728.63512532	-	-	36.54986128	2.11	25.22960711	Y (371.029 nm)	Linear	0.99948	Fitted	17.5111649919239	1595.0529075507
B 249.678	B	n	1.00000000	1.00000000	mg/L	16671.03434773	-	-	371.53732793	2.23	10.20629544	Y (371.029 nm)	Linear	0.99993	Fitted	204.531064376091	15489.1044495241
Ba 230.424	Ba	n	1.00000000	1.00000000	mg/L	37643.24326867	-	-	841.61562764	2.24	6.09653216	Y (371.029 nm)	Linear	0.99996	Fitted	202.145283880374	34802.853259603
Be 313.107	Be	n	0.30000000	0.30000000	mg/L	345430.73702237	-	-	13632.06886539	3.95	16.90856747	Y (371.029 nm)	Linear	0.99997	Fitted	84.2079386756121	1047893.749732
Ca 317.933	Ca-R	n	10.00000000	10.00000000	mg/L	136199.40041528	-	-	1082.31675026	0.79	22.23258509	Y-R (371.029 nm)	Linear	0.99994	Fitted	1560.28451398515	13016.0508222391
Cd 214.439	Cd	n	0.50000000	0.50000000	mg/L	32522.74794776	-	-	835.48634904	2.57	1.77973342	Y (371.029 nm)	Linear	1.00000	Fitted	8.4197642715103	63320.3391240832
Co 230.786	Co	n	0.50000000	0.50000000	mg/L	7531.30460432	-	-	204.01591599	2.71	52.14699616	Y (371.029 nm)	Linear	0.99959	Fitted	76.5735800516462	13703.9286285143
Cr 267.716	Cr	n	1.00000000	1.00000000	mg/L	28929.36078509	-	-	646.40978297	2.23	2.29917256	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	69.276910178993	28843.3319946207
Cu 324.754	Cu	n	1.00000000	1.00000000	mg/L	17707.48445305	-	-	422.08413734	2.38	58.82273291	Y (371.029 nm)	Linear	0.99951	Fitted	319.854921853639	14509.0305085988
Fe 259.940	Fe	n	2.00000000	2.00000000	mg/L	53344.36286425	-	-	1400.01507531	2.62	20.36609012	Y (371.029 nm)	Linear	0.99991	Off-Peak Left+Right	98.2104326896458	24930.7662522956
K 766.491	K-R	n	20.00000000	20.00000000	mg/L	31218.96675455	-	-	140.61140020	0.45	45.95080292	Y-R (371.029 nm)	Linear	0.99964	Fitted	129.819603222248	1376.15941384177
Li 670.783	Li-R	n	Error	Error	mg/L	181851.00599162	-	-	636.99925085	N/A	397.06943705	Y-R (371.029 nm)	Linear	0.98702	FACT	79140.723505923	86953.1139435406
Mg 279.800	Mg-R	n	10.00000000	10.00000000	mg/L	23273.86946987	-	-	217.83347019	0.94	5.75346723	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.9150930632287	2323.73298867422
Mn 257.610	Mn	n	1.00000000	1.00000000	mg/L	168757.98982973	-	-	4141.01427195	2.45	3.49569814	Y (371.029 nm)	Linear	1.00000	Fitted	170.899196487081	162553.857583301
Mo 204.598	Mo	n	1.00000000	1.00000000	mg/L	2522.49153393	-	-	99.32141633	3.94	6.41701642	Y (371.029 nm)	Linear	0.99990	Fitted	11.5991288797392	2364.87019631795
Na 589.592	Na-R	n	20.00000000	20.00000000	mg/L	227239.33835462	-	-	1201.10790029	0.53	7.48910714	Y-R (371.029 nm)	Linear	0.99999	Fitted	1432.10702862541	11329.3755390695
Ni 231.604	Ni	n	1.00000000	1.00000000	mg/L	9116.18879398	-	-	196.07045395	2.15	4.58247509	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	41.0599482734502	8763.97350403018
P 177.434	P	n			mg/L	1.93945554	-	-	0.61303780	31.61		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	1.00000000	1.00000000	mg/L	3159.68700146	-	-	78.33407029	2.48	15.69343061	Y (371.029 nm)	Linear	0.99989	Off-Peak Right	-3.61521328616331	3223.66274173881
S 181.972	S	n			mg/L	65.01425498	-	-	5.08246540	7.82		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	3.00003000	3.00003000	mg/L	2752.69563237	-	-	71.16183240	2.59	1.30769596	Y (371.029 nm)	Linear	0.99989	Off-Peak Right	-16.5287772407878	910.647739704845
Se 196.026	Se	n	3.00000300	3.00000300	mg/L	3273.95126800	-	-	93.18703564	2.85	6.87328767	Y (371.029 nm)	Linear	0.99996	Fitted	17.7527867131493	1042.61863117792
Si 251.611	Si	n			mg/L	86.91603491	-	-	5.30231256	6.10		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	1.00000000	1.00000000	mg/L	3325.43796861	-	-	87.01706575	2.62	70.39556802	Y (371.029 nm)	Linear	0.99974	Fitted	18.4329525695178	3037.30831039163
Sr 421.552	Sr-R	n	5.00000000	5.00000000	mg/L	2206479.80782784	-	-	26750.80761817	1.21	3.82654337	Y-R (371.029 nm)	Linear	1.00000	Fitted	52.3139725472976	438259.615299443
Ti 334.941	Ti	n	1.00000000	1.00000000	mg/L	160172.98029475	-	-	5495.79958690	3.43	1.97192337	Y (371.029 nm)	Linear	1.00000	Fitted	245.250381066555	152230.532330726
Tl 190.794	Tl	n	3.00003000	3.00003000	mg/L	2827.98385584	-	-	163.41543362	5.78	19.63095222	Y (371.029 nm)	Linear	0.99977	Fitted	2.21831986360748	672.370342074447
V 292.401	V	n	0.50000000	0.50000000	mg/L	8125.94640528	-	-	211.37006891	2.60	5.03643644	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	47.2074083133995	15615.6543942887
Zn 206.200	Zn	n	3.00003000	3.00003000	mg/L	56526.26094178	-	-	1200.45349199	2.12	12.91182254	Y (371.029 nm)	Linear	0.99998	Fitted	59.5245189053848	16936.0589673546
Y 371.029	Y		0.97	0.97	Ratio	349017.70	0.01	0.93	3249.81	0.93		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	174333.99	0.00	0.19	337.76	0.19		-	-	-	Fitted	-	-

Label: ICAL.L5.S21186	Rack:Tube: S1:6	Type: STD
Date Time: 7/19/2024 9:06:33 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3	Flags Replicate 1: -	Flags Replicate 2: -
Flags Replicate 3: -		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient
Ag 328.068	Ag	n			mg/L	374.92203083	-	-	32.48244536	8.66		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	10.00000000	10.00000000	mg/L	168880.81271192	-	-	7335.03959757	4.34	13.99969382	Y (371.029 nm)	Linear	1.00000	Fitted	960.425754761328	15920.890371
As 188.980	As	n	5.00000000	5.00000000	mg/L	8594.05130597	-	-	315.85207562	3.68	22.58613589	Y (371.029 nm)	Linear	0.99997	Fitted	16.6696384219347	1673.247887
B 249.678	B	n	5.00000000	5.00000000	mg/L	83540.80957738	-	-	2961.05233447	3.54	8.91668275	Y (371.029 nm)	Linear	0.99999	Fitted	201.814688019912	16078.479274
Ba 230.424	Ba	n	5.00000000	5.00000000	mg/L	182975.87093850	-	-	7004.60393359	3.83	4.36421721	Y (371.029 nm)	Linear	0.99999	Fitted	195.490995727944	36203.098131
Be 313.107	Be	n	1.50000000	1.50000000	mg/L	1707130.97075665	-	-	67599.52967606	3.96	13.48476906	Y (371.029 nm)	Linear	0.99999	Fitted	74.3698513854962	1070933.009
Ca 317.933	Ca-R	n	50.00000000	50.00000000	mg/L	664310.84021461	-	-	4655.11352870	0.70	15.85112864	Y-R (371.029 nm)	Linear	1.00000	Fitted	1555.31659274383	13183.173621
Cd 214.439	Cd	n	2.50000000	2.50000000	mg/L	157006.74913734	-	-	6150.98194245	3.92	1.86366898	Y (371.029 nm)	Linear	1.00000	Fitted	7.4852548622755	63585.87894
Co 230.786	Co	n	2.50000000	2.50000000	mg/L	36936.86528975	-	-	1336.62565317	3.62	27.67750028	Y (371.029 nm)	Linear	0.99997	Fitted	72.8031510207111	14305.657171
Cr 267.716	Cr	n	5.00000000	5.00000000	mg/L	141634.94956417	-	-	5823.01489554	4.11	1.64854213	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	69.2544383476762	28851.41407
Cu 324.754	Cu	n	5.00000000	5.00000000	mg/L	91257.05237133	-	-	3614.16690114	3.96	46.36083998	Y (371.029 nm)	Linear	0.99995	Fitted	306.908030335802	16295.25675
Fe 259.940	Fe	n	10.00000000	10.00000000	mg/L	262333.93342270	-	-	10288.07409288	3.92	14.92542793	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	92.1965537907096	25611.22164
K 766.491	K-R	n	100.00000000	100.00000000	mg/L	159532.07567952	-	-	754.05326395	0.47	64.84959703	Y-R (371.029 nm)	Linear	0.99994	Fitted	-1.33842819964593	1478.422459
Li 670.783	Li-R	n	5.00000000	5.00000000	mg/L	530134.77461515	-	-	2165.86022464	0.41	190.14034012	Y-R (371.029 nm)	Linear	0.99986	FACT	78849.7620832885	102643.8651
Mg 279.800	Mg-R	n	50.00000000	50.00000000	mg/L	113617.48247275	-	-	698.69713510	0.61	4.00726549	Y-R (371.029 nm)	Linear	1.00000	Fitted	55.0069290761335	2323.389577
Mn 257.610	Mn	n	5.00000000	5.00000000	mg/L	814011.16483468	-	-	35735.94039153	4.39	2.89473347	Y (371.029 nm)	Linear	1.00000	Fitted	168.801865645425	163855.5004
Mo 204.598	Mo	n	5.00000000	5.00000000	mg/L	12634.66836304	-	-	642.62655050	5.09	7.09355972	Y (371.029 nm)	Linear	0.99999	Fitted	10.9924247194882	2450.131500
Na 589.592	Na-R	n	100.00000000	100.00000000	mg/L	1108336.65778318	-	-	7003.83124011	0.63	4.49179181	Y-R (371.029 nm)	Linear	1.00000	Fitted	1443.73746109947	11297.82767
Ni 231.604	Ni	n	5.00000000	5.00000000	mg/L	44484.12734287	-	-	1571.85061866	3.53	5.74262424	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	39.32780834677	8962.197807
P 177.434	P	n			mg/L	-0.46465740	-	-	0.71228657	> 100.00		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	5.00000000	5.00000000	mg/L	15512.71531610	-	-	586.46720469	3.78	10.70548816	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-3.27551732640742	3182.507612
S 181.972	S	n			mg/L	77.50478979	-	-	1.09936382	1.42		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	15.00015000	15.00015000	mg/L	14130.48717294	-	-	579.86642151	4.10	1.46876981	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-16.6570712169235	920.0462030
Se 196.026	Se	n	15.00000000	15.00000000	mg/L	16232.72140710	-	-	612.02811654	3.77	8.62928974	Y (371.029 nm)	Linear	0.99999	Fitted	16.9379838790961	1065.155216
Si 251.611	Si	n			mg/L	370.99437538	-	-	41.01072695	11.05		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	5.00000000	5.00000000	mg/L	16307.44798972	-	-	687.38678822	4.22	50.00413353	Y (371.029 nm)	Linear	0.99998	Fitted	18.2091735473685	3216.330371
Sr 421.552	Sr-R	n	25.00000000	25.00000000	mg/L	10864237.51476880	-	-	139338.41206657	1.28	2.77490095	Y-R (371.029 nm)	Linear	1.00000	Fitted	52.0909948867539	438454.0492
Ti 334.941	Ti	n	5.00000000	5.00000000	mg/L	791590.66326447	-	-	40392.00134381	5.10	2.91361296	Y (371.029 nm)	Linear	0.99999	Fitted	234.915221708938	153945.5571
Tl 190.794	Tl	n	15.00015000	15.00015000	mg/L	14532.05577515	-	-	855.42350021	5.89	13.88375811	Y (371.029 nm)	Linear	0.99987	Fitted	-0.550311052366677	829.1748963
V 292.401	V	n	2.50000000	2.50000000	mg/L	40087.95869710	-	-	1680.80714933	4.19	2.34810960	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	46.0226584502298	15881.97388
Zn 206.200	Zn	n	15.00015000	15.00015000	mg/L	269808.91381166	-	-	10415.35549048	3.86	10.41770912	Y (371.029 nm)	Linear	0.99999	Fitted	56.3229388724864	17451.95760
Y 371.029	Y		0.94	0.94	Ratio	338419.88	0.01	0.90	3035.00	0.90		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.98	0.98	Ratio	170742.99	0.00	0.33	555.09	0.33		-	-	-	Fitted	-	-

Label: ICAL,L6,S21166

Rack/Tube: S1:7

Type: STD

Date Time: 7/19/2024 9:09:41 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date Time:

Sample Site:

Description:

Replicates: 3

Flags Replicate 1:

Flags Replicate 2:

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	385.99221710	-	-	31.09056530	8.05		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	20.00000000	20.00000000	mg/L	358922.04903953	-	-	9490.02233803	2.64	12.09871576	Y (371.029 nm)	Linear	0.99997	Fitted	958.606091969156	16068.4371585
As 188.980	As	n	10.00000000	10.00000000	mg/L	17619.96696012	-	-	379.25070186	2.15	19.02969642	Y (371.029 nm)	Linear	1.00000	Fitted	16.571063992883	1681.08939674
B 249.678	B	n	10.00000000	10.00000000	mg/L	170747.90584096	-	-	3192.70408943	1.87	7.68219138	Y (371.029 nm)	Linear	1.00000	Fitted	201.242732711397	16191.9198134
Ba 230.424	Ba	n	10.00000000	10.00000000	mg/L	370648.43420118	-	-	7568.50121180	2.04	3.56383382	Y (371.029 nm)	Linear	0.99999	Fitted	195.216412454505	36260.0366123
Be 313.107	Be	n	3.00000000	3.00000000	mg/L	3462257.92685894	-	-	84829.34217632	2.45	11.40813362	Y (371.029 nm)	Linear	1.00000	Fitted	69.0030349561606	1083352.59320
Ca 317.933	Ca-R	n	100.00000000	100.00000000	mg/L	1320929.78178038	-	-	7273.58727484	0.55	12.94151607	Y-R (371.029 nm)	Linear	0.99999	Fitted	1554.56790086653	13207.3346289
Cd 214.439	Cd	n	5.00000000	5.00000000	mg/L	315522.31865298	-	-	7329.70135054	2.32	1.72086661	Y (371.029 nm)	Linear	0.99997	Fitted	7.67184983341667	63533.0005791
Co 230.786	Co	n	5.00000000	5.00000000	mg/L	74454.68938341	-	-	1431.17097960	1.92	21.24114765	Y (371.029 nm)	Linear	1.00000	Fitted	72.0974372024555	14405.7190622
Cr 267.716	Cr	n	10.00000000	10.00000000	mg/L	288607.91645560	-	-	6869.38025151	2.38	1.52206158	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	69.448823731941	28781.6201673
Cu 324.754	Cu	n	10.00000000	10.00000000	mg/L	192051.76962415	-	-	4268.66439966	2.22	38.87701520	Y (371.029 nm)	Linear	0.99996	Fitted	304.444732619065	16627.8686436
Fe 259.940	Fe	n	20.00000000	20.00000000	mg/L	530881.27409512	-	-	10682.57650859	2.01	12.25053589	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	91.3381026650265	25707.7186384
K 766.491	K-R	n	200.00000000	200.00000000	mg/L	325808.31632478	-	-	2473.32066494	0.76	82.67418864	Y-R (371.029 nm)	Linear	0.99999	Fitted	-56.727482912851	1519.02436001
Li 670.783	Li-R	n	10.00000000	10.00000000	mg/L	1068747.51050468	-	-	4130.16361626	0.39	4.68988662	Y-R (371.029 nm)	Linear	1.00000	FACT	44.2461746901107	106227.703819
Mg 279.800	Mg-R	n	100.00000000	100.00000000	mg/L	227696.32344000	-	-	825.41144994	0.36	2.23108954	Y-R (371.029 nm)	Linear	0.99999	Fitted	59.7282056270975	2306.81129209
Mn 257.610	Mn	n	10.00000000	10.00000000	mg/L	1656111.36276520	-	-	44522.21031530	2.69	2.41917526	Y (371.029 nm)	Linear	0.99997	Fitted	168.920742039835	163781.999454
Mo 204.598	Mo	n	10.00000000	10.00000000	mg/L	25784.21415300	-	-	999.83175605	3.88	6.36142390	Y (371.029 nm)	Linear	1.00000	Fitted	10.8508944279027	2469.51151592
Na 589.592	Na-R	n	200.00000000	200.00000000	mg/L	2231971.37774425	-	-	1966.25816084	0.09	2.13385107	Y-R (371.029 nm)	Linear	0.99999	Fitted	1483.06327872274	11211.2969087
Ni 231.604	Ni	n	10.00000000	10.00000000	mg/L	89676.24281669	-	-	1594.14050629	1.78	4.56171408	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.4594488191147	8947.56261173
P 177.434	P	n			mg/L	1.31046334	-	-	3.19992820	> 100.00		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	10.00000000	10.00000000	mg/L	31450.34177092	-	-	624.70026067	1.99	8.72534904	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-3.10026462268174	3163.89417367
S 181.972	S	n			mg/L	87.13428889	-	-	2.93693167	3.37		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	30.00030000	30.00030000	mg/L	28429.83774899	-	-	893.31939939	3.14	1.88680963	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.7322325409259	925.183211984
Se 196.026	Se	n	30.00000000	30.00000000	mg/L	33357.12704487	-	-	670.75890691	2.01	7.62516558	Y (371.029 nm)	Linear	1.00000	Fitted	16.7890616918885	1068.90710622
Si 251.611	Si	n			mg/L	715.31651202	-	-	64.47754776	9.01		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	10.00000000	10.00000000	mg/L	33297.79547845	-	-	800.94155670	2.41	40.83403791	Y (371.029 nm)	Linear	0.99999	Fitted	18.1965823034057	3225.06071480
Sr 421.552	Sr-R	n	50.00000000	50.00000000	mg/L	21503114.71075050	-	-	129287.04293565	0.60	2.29409003	Y-R (371.029 nm)	Linear	1.00000	Fitted	52.3443513132249	438236.748365
Ti 334.941	Ti	n	10.00000000	10.00000000	mg/L	1630204.19858748	-	-	53678.04635752	3.29	2.67820363	Y (371.029 nm)	Linear	1.00000	Fitted	232.456038038755	154351.753463
Tl 190.794	Tl	n	30.00030000	30.00030000	mg/L	30511.64413382	-	-	754.25705225	2.47	13.39174912	Y (371.029 nm)	Linear	0.99998	Fitted	-1.4185122233693	877.769488862
V 292.401	V	n	5.00000000	5.00000000	mg/L	82281.75845911	-	-	2013.13421309	2.45	1.87652697	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	45.9231855206002	15904.0475912
Zn 206.200	Zn	n	30.00030000	30.00030000	mg/L	534945.17949076	-	-	9160.20759559	1.71	8.58373097	Y (371.029 nm)	Linear	0.99995	Fitted	56.0457152575546	17496.2796031
Y 371.029	Y		0.94	0.94	Ratio	336682.19	0.01	0.82	2763.63	0.82		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	167719.30	0.01	0.88	1469.20	0.88		-	-	-	Fitted	-	-

Label: ICAL.L7,S20458

Rack:Tube: S1:8

Type: STD

Date Time: 7/19/2024 9:12:48 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Conc Reps
Ag 328.068	Ag	n	2.00000000	2.00000000	mg/L	71043.20192794	-	-	2079.63331662	2.93		Y (371.029 nm)	Linear	-	Fitted	-	-	2.00
Al 396.152	Al	n			mg/L	978.11000842	-	-	24.70735123	2.53	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983	
As 188.980	As	n			mg/L	20.70970876	-	-	3.81981927	18.44	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091	
B 249.678	B	n			mg/L	266.13348682	-	-	29.32763277	11.02	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834	
Ba 230.424	Ba	n			mg/L	227.32950443	-	-	5.88500905	2.59	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299	
Be 313.107	Be	n			mg/L	140.92770766	-	-	49.66942352	35.24	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263	
Ca 317.933	Ca-R	n			mg/L	1472.48630669	-	-	21.93900565	1.49	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988	
Cd 214.439	Cd	n			mg/L	19.63572780	-	-	1.52503941	7.77	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948	
Co 230.786	Co	n			mg/L	77.98816055	-	-	0.29982243	0.38	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064	
Cr 267.716	Cr	n			mg/L	79.37729160	-	-	3.88064156	4.89	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104	
Cu 324.754	Cu	n			mg/L	353.03253048	-	-	6.12802777	1.74	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465	
Fe 259.940	Fe	n			mg/L	123.70891223	-	-	17.42059502	14.08	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391	
K 766.491	K-R	n			mg/L	127.40618416	-	-	18.10574371	14.21	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989	
Li 670.783	Li-R	n			mg/L	31.40941399	-	-	28.68633691	91.33	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693	
Mg 279.800	Mg-R	n			mg/L	42.80872869	-	-	9.28849958	21.70	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998	
Mn 257.610	Mn	n			mg/L	186.88598552	-	-	14.06265473	7.52	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167	
Mo 204.598	Mo	n			mg/L	39.42677844	-	-	4.07666887	10.34	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907	
Na 589.592	Na-R	n			mg/L	1731.59033869	-	-	196.41549874	11.34	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111	
Ni 231.604	Ni	n			mg/L	41.56021186	-	-	2.82568408	6.80	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923	
P 177.434	P	n			mg/L	2.61348639	-	-	1.37232119	52.51		Y (371.029 nm)	Linear	-	Fitted	-	-	
Pb 220.353	Pb	n			mg/L	-0.83715629	-	-	13.87276422	> 100.00	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412	
S 181.972	S	n			mg/L	60.54238157	-	-	0.07243563	0.12		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sb 206.834	Sb	n			mg/L	10.91748161	-	-	2.09898878	19.23	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431	
Se 196.026	Se	n			mg/L	20.01282633	-	-	4.42496955	22.11	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923	
Si 251.611	Si	n			mg/L	36.65410715	-	-	3.32298619	9.07		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sn 189.925	Sn	n			mg/L	17.89870607	-	-	4.39053932	24.53	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478	
Sr 421.552	Sr-R	n			mg/L	89.90592127	-	-	34.07364347	37.90	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542	
Ti 334.941	Ti	n			mg/L	483.05471435	-	-	13.95798388	2.89	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033	
Tl 190.794	Tl	n			mg/L	3.67261034	-	-	1.18544000	32.28	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615	
V 292.401	V	n			mg/L	44.01439059	-	-	1.75040402	3.98	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183	
Zn 206.200	Zn	n			mg/L	43.96689470	-	-	2.51077185	5.71	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739	
Y 371.029	Y		1.00	1.00	Ratio	358778.08	0.01	0.93	3331.10	0.93		-	-	-	Fitted	-	-	0.99
Y 371.029	Y-R		1.03	1.03	Ratio	179707.10	0.02	1.48	2651.20	1.48		-	-	-	Fitted	-	-	1.05

Label: ICAL,L8,S21161

Rack/Tube: S1:9

Type: STD

Date Time: 7/19/2024 9:15:55 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Conc. Repl
Ag 328.068	Ag	n			mg/L	366.83737603	-	-	23.63290945	6.44		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767	
Al 396.152	Al	n			mg/L	956.98510871	-	-	20.82536781	2.18	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983	
As 188.980	As	n			mg/L	18.83151472	-	-	1.14417672	6.08	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091	
B 249.678	B	n			mg/L	267.01071318	-	-	11.96691186	4.48	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834	
Ba 230.424	Ba	n			mg/L	210.12461023	-	-	1.27653122	0.61	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299	
Be 313.107	Be	n			mg/L	105.90936641	-	-	24.39210724	23.03	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263	
Ca 317.933	Ca-R	n			mg/L	1484.91822351	-	-	3.57238708	0.24	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988	
Cd 214.439	Cd	n			mg/L	13.99700285	-	-	1.17308564	8.38	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948	
Co 230.786	Co	n			mg/L	77.33949434	-	-	6.90309526	8.93	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064	
Cr 267.716	Cr	n			mg/L	79.84663535	-	-	11.03021561	13.81	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104	
Cu 324.754	Cu	n			mg/L	337.03521105	-	-	4.83699269	1.44	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465	
Fe 259.940	Fe	n			mg/L	101.05885266	-	-	3.61336227	3.58	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391	
K 766.491	K-R	n			mg/L	114.68575171	-	-	23.08439386	20.13	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989	
Li 670.783	Li-R	n			mg/L	73.84676426	-	-	43.64612512	59.10	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693	
Mg 279.800	Mg-R	n			mg/L	50.06740355	-	-	7.53067160	15.04	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998	
Mn 257.610	Mn	n			mg/L	175.70308627	-	-	6.32082838	3.60	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167	
Mo 204.598	Mo	n			mg/L	24.05064125	-	-	2.27347059	9.45	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907	
Na 589.592	Na-R	n			mg/L	1594.58358599	-	-	111.11774941	6.97	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111	
Ni 231.604	Ni	n			mg/L	41.40833914	-	-	10.39937956	25.11	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923	
P 177.434	P	n	10.00000000	10.00000000	mg/L	1197.00330787	-	-	20.57363734	1.72		Y (371.029 nm)	Linear	-	Fitted	-	-	10.
Pb 220.353	Pb	n			mg/L	4.00487914	-	-	6.47046577	> 100.00	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412	
S 181.972	S	n	10.00000000	10.00000000	mg/L	5316.34703507	-	-	90.56217950	1.70		Y (371.029 nm)	Linear	-	Fitted	-	-	10.
Sb 206.834	Sb	n			mg/L	-4.71236441	-	-	8.93813314	> 100.00	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431	
Se 196.026	Se	n			mg/L	20.25027666	-	-	2.53077391	12.50	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923	
Si 251.611	Si	n	10.00000000	10.00000000	mg/L	36578.36487502	-	-	893.89864953	2.44		Y (371.029 nm)	Linear	-	Fitted	-	-	10.
Sn 189.925	Sn	n			mg/L	14.74953903	-	-	4.88571767	33.12	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478	
Sr 421.552	Sr-R	n			mg/L	54.82693411	-	-	4.65211671	8.49	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542	
Ti 334.941	Ti	n			mg/L	521.19949891	-	-	19.87924178	3.81	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033	
Tl 190.794	Tl	n			mg/L	4.00747657	-	-	0.86838903	21.67	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615	
V 292.401	V	n			mg/L	57.49946038	-	-	1.64860282	2.87	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183	
Zn 206.200	Zn	n			mg/L	40.32508249	-	-	1.59859371	3.96	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739	
Y 371.029	Y		1.02	1.02	Ratio	366226.15	0.01	0.85	3126.66	0.85		-	-	-	Fitted	-	-	1.0
Y 371.029	Y-R		1.05	1.05	Ratio	184248.12	0.01	0.68	1245.52	0.68		-	-	-	Fitted	-	-	1.0

Label: ICV,S21181	Rack/Tube: S1:12	Type: QC
Date Time: 7/19/2024 9:19:02 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3	Flags Replicate 1: -	Flags Replicate 2: -
Flags Replicate 3: -		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.48617416	0.48617416	mg/L	17543.40521478	0.01085617	2.23297991	383.64744003	2.19		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	1.02512348	1.02512348	mg/L	18231.35478768	0.02500615	2.43933030	415.00077648	2.28	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	n	1.01061822	1.01061822	mg/L	1742.82418831	0.02149002	2.12642353	36.70648692	2.11	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	1.02793675	1.02793675	mg/L	17199.16598219	0.01849373	1.79911181	305.80928239	1.78	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	1.00804195	1.00804195	mg/L	37030.42996325	0.02212957	2.19530240	808.60765803	2.18	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.01837653	1.01837653	mg/L	1126345.67800133	0.02107200	2.06917553	23304.95305087	2.07	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	50.07776259	50.07776259	mg/L	662798.12725704	0.58599374	1.17016758	7736.58937997	1.17	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.00347480	1.00347480	mg/L	63693.15025558	0.02301505	2.29353513	1460.63722610	2.29	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.01252750	1.01252750	mg/L	14870.40390037	0.02084971	2.05917448	304.70424513	2.05	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.95950000	0.95950000	mg/L	27706.54668513	0.01929948	2.01141052	555.84897186	2.01	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	0.99700441	0.99700441	mg/L	17728.90821033	0.02057488	2.06367013	359.67458836	2.03	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.02344350	1.02344350	mg/L	26852.49734992	0.02343073	2.28940095	609.53962236	2.27	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	60.65212668	60.65212668	mg/L	92832.85911638	0.35857541	0.59120006	549.23950220	0.59	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878985
Li 670.783	Li-R	n	0.98524725	0.98524725	mg/L	105009.40131838	0.00685919	0.69618977	730.52152240	0.70	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	49.83244515	49.83244515	mg/L	114292.21749538	0.54739697	1.09847504	1254.77224332	1.10	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655996
Mn 257.610	Mn	n	1.00922598	1.00922598	mg/L	165748.18455885	0.02223238	2.20291426	3647.24390386	2.20	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	0.97949221	0.97949221	mg/L	2462.86472389	0.03465974	3.53854172	86.71586356	3.52	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	48.81825801	48.81825801	mg/L	546123.95778101	0.45334081	0.92862963	5057.11867781	0.93	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	0.97854041	0.97854041	mg/L	8802.26456421	0.01957625	2.00055576	175.29777675	1.99	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	5.40874733	5.40874733	mg/L	648.18629302	0.07675341	1.41906069	9.17746880	1.42		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	0.98402882	0.98402882	mg/L	3102.19347475	0.01976798	2.00888235	62.37761091	2.01	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	5.44801025	5.44801025	mg/L	2926.48008437	0.08230940	1.51081586	43.24811903	1.48		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	1.00414669	1.00414669	mg/L	919.71727476	0.03363163	3.34927439	31.32672854	3.41	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	1.00605568	1.00605568	mg/L	1110.41122097	0.02507113	2.49202166	27.26756373	2.46	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	5.65250106	5.65250106	mg/L	20687.71253000	0.19582450	3.46438679	715.85895487	3.46		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	4.92813513	4.92813513	mg/L	16105.44777932	0.10601254	2.15116946	346.07043550	2.15	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	1.02981213	1.02981213	mg/L	449842.08062849	0.00971364	0.94324421	4240.49985426	0.94	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.02065683	1.02065683	mg/L	159313.89368683	0.02521460	2.47042854	3930.17334205	2.47	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	0.99883612	0.99883612	mg/L	962.75265298	0.03800964	3.80539340	36.76343638	3.82	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	1.00142602	1.00142602	mg/L	16139.91386216	0.02336912	2.33358401	375.64577496	2.33	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.04606155	1.04606155	mg/L	18476.67623175	0.01852367	1.77080116	325.95557217	1.76	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635735
Y 371.029	Y		0.97	0.97	Ratio	349955.80	0.01	0.84	2939.22	0.84		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	175188.67	0.01	0.63	1097.69	0.63		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0	
Seqnum: 674289965013	File: icp data	Time: 19-JUL-2024 09:22
Cal: 674289965001	Caldate: 19-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	358488	-0.16
Yttrium	R	174830	182102	4.16

Label: ICB Rack/Tube: S1:1 Type: QC
Date Time: 7/19/2024 9:22:10 AM Weight: - Volume: -
Dilution: - %RSE limit: - Calibration Coefficient [3]: -
LIMS ID: - Customer: - Customer Ref.: -
Sample Date Time: - Sample Site: - Description: -
Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Calibration Coefficient [3]
Ag 328.068	Ag	nu	0.00021111	0.00021111	mg/L	372.44042735	0.00023176	109.78222471	8.19007489	2.20		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767	-
Al 396.152	Al	n	0.00192447	0.00192447	mg/L	984.04303378	0.00015142	7.86828760	2.51300619	0.26	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983	-
As 188.980	As	nu	0.00116017	0.00116017	mg/L	18.20614174	0.00318236	274.30255913	5.43570114	29.86	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091	-
B 249.678	B	nu	0.00081235	0.00081235	mg/L	212.91982155	0.00124161	152.84222540	20.53100527	9.64	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834	-
Ba 230.424	Ba	n	0.00042724	0.00042724	mg/L	209.47598465	0.00013531	31.67044360	4.94412519	2.36	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299	-
Be 313.107	Be	n	0.00009414	0.00009414	mg/L	163.32455700	0.00002998	31.84763784	33.15695425	20.30	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263	-
Ca 317.933	Ca-R	n	0.00189360	0.00189360	mg/L	1579.70920529	0.00153793	81.21737268	20.30454836	1.29	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988	-
Cd 214.439	Cd	nu	0.00002065	0.00002065	mg/L	9.22249861	0.00005517	267.20840642	3.50109333	37.96	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948	-
Co 230.786	Co	n	0.00076302	0.00076302	mg/L	81.75077429	0.00035210	46.14544554	5.14571309	6.29	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064	-
Cr 267.716	Cr	n	0.00048600	0.00048600	mg/L	83.39105709	0.00017855	36.73918857	5.14249487	6.17	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104	-
Cu 324.754	Cu	n	0.00256578	0.00256578	mg/L	342.95849911	0.00133969	52.21368590	23.41946488	6.83	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465	-
Fe 259.940	Fe	nu	-0.00109271	-0.00109271	mg/L	60.16436611	0.00041723	38.18353844	10.85417734	18.04	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391	-
K 766.491	K-R	n	0.12818129	0.12818129	mg/L	122.09883704	0.02568840	20.04067701	39.34760261	32.23	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989	-
Li 670.783	Li-R	nu	0.00034910	0.00034910	mg/L	79.96698887	0.00072076	206.46238948	76.76289873	95.99	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693	-
Mg 279.800	Mg-R	nu	-0.01161795	-0.01161795	mg/L	37.28568072	0.00178302	15.34711958	4.08713457	10.96	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998	-
Mn 257.610	Mn	nu	0.00003033	0.00003033	mg/L	173.45876735	0.00013480	444.43575783	22.11388732	12.75	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167	-
Mo 204.598	Mo	n	0.00317477	0.00317477	mg/L	18.55620662	0.00220350	69.40660645	5.51298370	29.71	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907	-
Na 589.592	Na-R	nu	0.00029905	0.00029905	mg/L	1512.82659286	0.01123348	3756.33409855	125.31203158	8.28	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111	-
Ni 231.604	Ni	n	0.00143792	0.00143792	mg/L	52.27166913	0.00047297	32.89232599	4.23522759	8.10	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923	-
P 177.434	P	n	0.01058553	0.01058553	mg/L	2.56073309	0.00357791	33.80003787	0.42781419	16.71		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352	-
Pb 220.353	Pb	nu	-0.00121169	-0.00121169	mg/L	-6.84223616	0.00186144	153.62299794	5.87375180	85.85	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412	-
S 181.972	S	nu	-0.01515090	-0.01515090	mg/L	54.05125845	0.00161273	10.64445704	0.84738268	1.57		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128	-
Sb 206.834	Sb	n	0.00319318	0.00319318	mg/L	-13.85087258	0.00163600	51.23423106	1.52387803	11.00	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431	-
Se 196.026	Se	nu	0.00507705	0.00507705	mg/L	21.55802897	0.00775895	152.82415734	8.43870197	39.14	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923	-
Si 251.611	Si	n	0.00263640	0.00263640	mg/L	31.85397461	0.00072408	27.46488731	2.64697105	8.31		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154	-
Sn 189.925	Sn	n	0.00337805	0.00337805	mg/L	29.16603791	0.00133023	39.37865647	4.34244610	14.89	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478	-
Sr 421.552	Sr-R	n	0.00007733	0.00007733	mg/L	88.10860126	0.00004905	63.43053053	21.41285030	24.30	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542	-
Ti 334.941	Ti	n	0.00055373	0.00055373	mg/L	309.57339940	0.00007148	12.90867670	11.14142667	3.60	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033	-
Tl 190.794	Tl	n	0.00591923	0.00591923	mg/L	2.70505612	0.00117079	19.77937674	1.13240058	41.86	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615	-
V 292.401	V	n	0.00044529	0.00044529	mg/L	52.31262990	0.00023221	52.14723114	3.73258424	7.14	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183	-
Zn 206.200	Zn	nu	0.00029310	0.00029310	mg/L	60.56266150	0.00031657	108.00757714	5.57053296	9.20	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739	-
Y 371.029	Y		1.00	1.00	Ratio	358488.23	0.01	0.78	2795.96	0.78		-	-	-	Fitted	-	-	-
Y 371.029	Y-R		1.04	1.04	Ratio	182101.55	0.01	0.49	895.18	0.49		-	-	-	Fitted	-	-	-

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	File: icp data	IDF: 1.0
Seqnum: 674289965015	Caldate: 19-JUL-2024	Time: 19-JUL-2024 09:28
Cal: 674289965001		

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.006405	0.003333	mg/L	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	415.7	mg/L	104	
Aluminum as Al2O3	A	755.8	785.5	mg/L	104	
Iron	A	160.0	157.6	mg/L	99	
Iron as Fe2O3	A	228.8	225.3	mg/L	99	
Calcium	R	400.0	398.0	mg/L	99	
Calcium as CaCO3	R	998.9	993.8	mg/L	99	
Magnesium	R	400.0	409.7	mg/L	102	
Magnesium as MgCO3	R	1388	1421	mg/L	102	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	324220	-9.70
Yttrium	R	174830	164701	-5.79

!=warning +=high bias a=ICSA

Label: ICSA,S21125

Rack/Tube: S1:14

Type: QC

Date Time: 7/19/2024 9:28:25 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date
Time: -

Sample Site: -

Description: -

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00074262	0.00074262	mg/L	361.40106760	0.00078291	105.42454857	27.66725403	7.66		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.110
Al 396.152	Al	no	415.73908985	415.73908985	mg/L	6902767.04925489	9.88436373	2.37754014	164040.40705814	2.38	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.950
As 188.980	As	n	0.00343760	0.00343760	mg/L	29.59148835	0.00165507	48.14617091	2.82698327	9.55	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.0710
B 249.678	B	n	0.00109416	0.00109416	mg/L	164.74663091	0.00033303	30.43669147	5.50688541	3.34	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.830
Ba 230.424	Ba	n	0.00301969	0.00301969	mg/L	340.98173080	0.00027060	8.96133055	9.88779760	2.90	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.690
Be 313.107	Be	n	0.00016667	0.00016667	mg/L	144.47809657	0.00004139	24.83461829	45.77809808	31.69	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.8
Ca 317.933	Ca-R	no	397.96795758	397.96795758	mg/L	5256551.79554666	3.94412034	0.99106480	52072.29578554	0.99	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.510
Cd 214.439	Cd	n	0.00101694	0.00101694	mg/L	183.27056774	0.00011611	11.41743686	7.36875216	4.02	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.440
Co 230.786	Co	nu	-0.00152589	-0.00152589	mg/L	111.50868575	0.00028236	18.50482357	4.12653904	3.70	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.310
Cr 267.716	Cr	nu	0.00002762	0.00002762	mg/L	109.21529679	0.00025819	934.68859971	7.43617895	6.81	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.230
Cu 324.754	Cu	n	0.00166331	0.00166331	mg/L	317.11463818	0.00095285	57.28646754	16.65702609	5.25	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.240
Fe 259.940	Fe	no	157.60461194	157.60461194	mg/L	4101246.05796599	3.35081095	2.12608687	87169.81769157	2.13	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.540
K 766.491	K-R	n	0.11994284	0.11994284	mg/L	141.11541684	0.02435552	20.30593837	37.30599774	26.44	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.7260
Li 670.783	Li-R	n	0.00118792	0.00118792	mg/L	401.10422685	0.00106979	90.05546212	113.93506052	28.41	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.500
Mg 279.800	Mg-R	no	409.68393945	409.68393945	mg/L	939287.18688636	2.41567812	0.58964433	5537.34495231	0.59	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.2520
Mn 257.610	Mn	n	0.00021756	0.00021756	mg/L	408.61816172	0.00004137	19.01564421	6.78695262	1.66	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.900
Mo 204.598	Mo	nu	-0.00441610	-0.00441610	mg/L	31.11685135	0.00269966	61.13224788	6.75433120	21.71	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.9190
Na 589.592	Na-R	n	0.10837024	0.10837024	mg/L	2824.80730824	0.02230661	20.58370139	248.83520889	8.81	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.220
Ni 231.604	Ni	nu	0.00017410	0.00017410	mg/L	51.22116592	0.00033997	195.27764629	3.04431463	5.94	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.6160
P 177.434	P	nu	-0.01295269	-0.01295269	mg/L	2.96708850	0.00521394	40.25375470	0.62343571	21.01		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.57080
Pb 220.353	Pb	n	0.00640491	0.00640491	mg/L	-446.99230898	0.00247950	38.71243563	7.82401509	1.75	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.4870
S 181.972	S	n	0.02949866	0.02949866	mg/L	102.94879221	0.00454358	15.40267104	2.38734969	2.32		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.43350
Sb 206.834	Sb	nu	-0.00513824	-0.00513824	mg/L	-11.86279982	0.00828838	161.30783625	7.72034374	65.08	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46630
Se 196.026	Se	nu	0.00234483	0.00234483	mg/L	19.56577281	0.00928317	395.89907165	10.09645351	51.60	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.6080
Si 251.611	Si	nu	-0.00081637	-0.00081637	mg/L	29.62916422	0.00367921	450.67835435	13.44975900	45.39		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.6140
Sn 189.925	Sn	nu	-0.00017195	-0.00017195	mg/L	22.56887413	0.00078222	454.92247900	2.55350680	11.31	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.4290
Sr 421.552	Sr-R	n	0.01847391	0.01847391	mg/L	9883.04225122	0.00012621	0.68317446	55.09667998	0.56	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.900
Ti 334.941	Ti	nu	0.00014707	0.00014707	mg/L	311.69797824	0.00013972	95.00151943	21.77806973	6.99	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.900
Tl 190.794	Tl	n	0.01413505	0.01413505	mg/L	1.73894598	0.00243766	17.24549533	2.35773740	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21330
V 292.401	V	nu	0.00012479	0.00012479	mg/L	-48.23626584	0.00069855	559.79754285	11.22882958	23.28	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.450
Zn 206.200	Zn	nu	-0.04679316	-0.04679316	mg/L	65.03196363	0.00051054	1.09105651	8.98381808	13.81	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.700
Y 371.029	Y		0.90	0.90	Ratio	324220.18	0.01	0.73	2370.34	0.73		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	164700.69	0.01	0.87	1428.14	0.87		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0	
Seqnum: 674289965016	File: icp data	Time: 19-JUL-2024 09:31
Cal: 674289965001	Caldate: 19-JUL-2024	

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.061	mg/L	6	20	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	323924	-9.78
Yttrium	R	174830	163698	-6.37

Label: ICSAB,S21126	Rack:Tube: S1:15	Type: QC
Date Time: 7/19/2024 9:31:33 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coeffi
Ag 328.068	Ag	n	1.12061808	1.12061808	mg/L	39936.68613554	0.02239099	1.99809245	791.27751633	1.98		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109
Al 396.152	Al	no	414.40698005	414.40698005	mg/L	6880664.33899873	9.89334774	2.38735065	164189.50520889	2.39	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500
As 188.980	As	nu	0.00003852	0.00003852	mg/L	23.76968307	0.00131664	3418.37866964	2.24891277	9.46	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104
B 249.678	B	n	0.00172148	0.00172148	mg/L	174.94107515	0.00036214	21.03680743	5.98834320	3.42	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344
Ba 230.424	Ba	n	0.54869988	0.54869988	mg/L	20279.91717698	0.01195171	2.17818791	436.71197195	2.15	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.6927
Be 313.107	Be	n	0.54280116	0.54280116	mg/L	600280.89589380	0.01630994	3.00477160	18038.26440276	3.00	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88
Ca 317.933	Ca-R	no	397.44654026	397.44654026	mg/L	5249668.08734303	3.31044481	0.83292833	43706.18707024	0.83	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119
Cd 214.439	Cd	n	1.04476824	1.04476824	mg/L	66424.55037189	0.01667346	1.59590026	1058.17185684	1.59	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469
Co 230.786	Co	n	0.51650574	0.51650574	mg/L	7682.25647610	0.01000297	1.93666174	146.18656312	1.90	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172
Cr 267.716	Cr	n	0.51728564	0.51728564	mg/L	15006.94315725	0.01044324	2.01885428	300.77830363	2.00	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349
Cu 324.754	Cu	n	0.56847527	0.56847527	mg/L	10225.55946127	0.01150628	2.02405929	201.14405600	1.97	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465
Fe 259.940	Fe	no	158.49373342	158.49373342	mg/L	4124377.20827731	3.33370737	2.10336857	86724.87585883	2.10	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436
K 766.491	K-R	n	0.09738321	0.09738321	mg/L	106.53243738	0.00782682	8.03713372	11.98854699	11.25	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663
Li 670.783	Li-R	n	0.00166814	0.00166814	mg/L	452.85674911	0.00087378	52.38054680	93.05984846	20.55	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584
Mg 279.800	Mg-R	no	410.23145198	410.23145198	mg/L	940542.50636639	2.07919448	0.50683449	4766.03937593	0.51	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280
Mn 257.610	Mn	n	0.53441187	0.53441187	mg/L	88044.22430325	0.01018859	1.90650500	1671.44784889	1.90	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.960
Mo 204.598	Mo	nu	-0.00461533	-0.00461533	mg/L	30.60473279	0.00276157	59.83467151	6.90921641	22.58	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900
Na 589.592	Na-R	n	0.30221753	0.30221753	mg/L	4987.07498717	0.01221070	4.04036755	136.21309325	2.73	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248
Ni 231.604	Ni	n	1.02612462	1.02612462	mg/L	9238.23618022	0.01806190	1.76020554	161.73740608	1.75	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631
P 177.434	P	nu	-0.01855660	-0.01855660	mg/L	2.29585307	0.00880552	47.45222501	1.05288342	45.86		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832
Pb 220.353	Pb	n	1.06060258	1.06060258	mg/L	2880.99152827	0.01248857	1.17749743	39.40751647	1.37	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716
S 181.972	S	n	0.02283765	0.02283765	mg/L	99.44144239	0.00934182	40.90533136	4.90850369	4.94		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515
Sb 206.834	Sb	nu	-0.00281474	-0.00281474	mg/L	-9.63098023	0.00111282	39.53561776	1.03655819	10.76	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.466319
Se 196.026	Se	nu	-0.00890707	-0.00890707	mg/L	7.29257988	0.00487608	54.74390640	5.30326479	72.72	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828
Si 256.611	Si	n	0.00004195	0.00004195	mg/L	32.74644972	0.00282270	6728.36104556	10.31869430	31.51		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487
Sn 189.925	Sn	nu	0.00067606	0.00067606	mg/L	25.31117087	0.00179699	265.80493920	5.86615943	23.18	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929
Sr 421.552	Sr-R	n	0.01847540	0.01847540	mg/L	9887.84808119	0.00024878	1.34656595	108.60665747	1.10	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913
Ti 334.941	Ti	nu	0.00010383	0.00010383	mg/L	304.92978328	0.00021073	202.94713370	32.84549915	10.77	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.969
Tl 190.794	Tl	n	0.01915528	0.01915528	mg/L	6.59580183	0.00321724	16.79560386	3.11176205	47.18	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.213389
V 292.401	V	n	0.54372720	0.54372720	mg/L	8689.61672383	0.01144833	2.10552795	184.02561054	2.12	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527
Zn 206.200	Zn	n	1.04204585	1.04204585	mg/L	19226.55699119	0.01838795	1.76460059	323.56729816	1.68	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058
Y 371.029	Y		0.90	0.90	Ratio	323923.94	0.01	1.01	3269.60	1.01		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	163697.82	0.01	1.60	2616.50	1.60		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0	
Seqnum: 674289965157	File: icp data	Time: 19-JUL-2024 17:55
Cal: 674289965001	Caldate: 19-JUL-2024	

Standards: S21181

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	2886.8	3244.9	1.000	1.029	mg/L	3	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	356887	-0.60
Yttrium	R	174830	188681	7.92

Label: CCV,S21181

Rack/Tube: S1:12

Type: QC

Date Time: 7/19/2024 5:55:48 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.49096604	0.49096604	mg/L	17712.79433859	0.00297080	0.60509375	104.98560200	0.59		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	1.03695585	1.03695585	mg/L	18420.90894405	0.00867618	0.83669723	143.98946465	0.78	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	n	1.06451927	1.06451927	mg/L	1834.88455795	0.00599501	0.56316562	10.23989708	0.56	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	1.08206604	1.08206604	mg/L	18094.21697257	0.00837783	0.77424368	138.53437602	0.77	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	1.01836261	1.01836261	mg/L	37407.50749677	0.00838522	0.82340251	306.39348335	0.82	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.07129778	1.07129778	mg/L	1184874.92585064	0.01034743	0.96587804	11443.92526909	0.97	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	49.44089053	49.44089053	mg/L	654389.13453933	0.33963244	0.68694645	4484.00133994	0.69	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.04834572	1.04834572	mg/L	66540.84849480	0.00895087	0.85380888	568.06194133	0.85	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.05401480	1.05401480	mg/L	15476.66120047	0.00721371	0.68440348	105.42350473	0.68	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.98185142	0.98185142	mg/L	28350.26760761	0.00542006	0.55202473	156.10449746	0.55	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	1.02027360	1.02027360	mg/L	18135.63728072	0.00732167	0.71761784	127.99183781	0.71	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.03594155	1.03594155	mg/L	27176.60448452	0.00947824	0.91493921	246.57196752	0.91	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	57.89540144	57.89540144	mg/L	88610.20356890	0.32799421	0.56652895	502.39746635	0.57	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878985
Li 670.783	Li-R	n	0.94941111	0.94941111	mg/L	101192.36018558	0.00685686	0.72222246	730.27333805	0.72	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	49.10629008	49.10629008	mg/L	112627.69918703	0.26794801	0.54564905	614.20457186	0.55	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655996
Mn 257.610	Mn	n	1.02437052	1.02437052	mg/L	168232.47645102	0.00666104	0.65025696	1092.75013720	0.65	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	1.00923695	1.00923695	mg/L	2537.25345860	0.02077160	2.05814900	51.96886108	2.05	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	46.42720877	46.42720877	mg/L	519450.92568831	0.22838484	0.49192025	2547.68426665	0.49	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	1.00681274	1.00681274	mg/L	9055.42414293	0.00715491	0.71064935	64.06945751	0.71	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	4.15539745	4.15539745	mg/L	498.31714337	0.01651146	0.39734962	1.97428852	0.40		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	1.02925527	1.02925527	mg/L	3244.93560082	0.00626602	0.60879197	19.77235647	0.61	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	5.63528634	5.63528634	mg/L	3024.84008084	0.01598585	0.28367411	8.39950047	0.28		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	1.03105647	1.03105647	mg/L	944.75957246	0.01738000	1.68564979	16.18888585	1.71	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	1.07989168	1.07989168	mg/L	1190.71274630	0.01241295	1.14946270	13.50042960	1.13	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	5.72466964	5.72466964	mg/L	20951.49878170	0.12464209	2.17728002	455.64347340	2.17		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	5.04346217	5.04346217	mg/L	16481.92598466	0.03189400	0.63238313	104.11572089	0.63	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.98955159	0.98955159	mg/L	432260.43375024	0.00389014	0.39312129	1698.24328534	0.39	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.02989014	1.02989014	mg/L	160753.08476627	0.01495028	1.45163826	2330.28462932	1.45	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	1.03467411	1.03467411	mg/L	997.42359756	0.02473474	2.39058264	23.92377139	2.40	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	1.02092162	1.02092162	mg/L	16453.35925073	0.00953662	0.93411874	153.29594992	0.93	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.08956753	1.08956753	mg/L	19242.03337205	0.00595551	0.54659400	104.79737147	0.54	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635735
Y 371.029	Y	0.99	0.99	0.99	Ratio	356887.34	0.01	1.12	4003.81	1.12		-	-	-	Fitted	-	-
Y 371.029	Y-R	1.08	1.08	1.08	Ratio	188681.37	0.01	0.61	1149.73	0.61		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 512355 METALS Wipe
EPA 6010B

Inst:	MET09	IDF:	1.0
Seqnum:	674289965158	File:	icp data
Cal:	674289965001	Caldate:	19-JUL-2024
		Time:	19-JUL-2024 17:58

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.002119]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	369399	2.88
Yttrium	R	174830	197731	13.10

!=warning CCB=instrument blank

Label: CCB Rack/Tube: S1:1 Type: QC
Date Time: 7/19/2024 5:58:55 PM Weight: - Volume: -
Dilution: - %RSE limit: - Calibration Coefficient [3]: -
LIMS ID: - Customer: - Customer Ref.: -
Sample Date: - Sample Site: - Description: -
Time: -
Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Con Rep
Ag 328.068	Ag	nu	-0.00021908	-0.00021908	mg/L	357.23839818	0.00064239	293.22930151	22.70165291	6.35		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767	-0.0
Al 396.152	Al	n	0.00561799	0.00561799	mg/L	1045.30695710	0.00098422	17.51910709	16.33410743	1.56	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983	0.0
As 188.980	As	n	0.00111988	0.00111988	mg/L	18.13737418	0.00077525	69.22660752	1.32418896	7.30	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091	0.0
B 249.678	B	n	0.00107310	0.00107310	mg/L	217.23145256	0.00068644	63.96783604	11.35086698	5.23	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834	0.0
Ba 230.424	Ba	n	0.00105617	0.00105617	mg/L	232.45728545	0.00015009	14.21112584	5.48439373	2.36	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299	0.0
Be 313.107	Be	n	0.00007426	0.00007426	mg/L	141.34563985	0.00001833	24.68522335	20.27472389	14.34	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263	0.0
Ca 317.933	Ca-R	nu	-0.00571186	-0.00571186	mg/L	1479.30335139	0.00212830	37.26099389	28.09885822	1.90	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988	-0.0
Cd 214.439	Cd	n	0.00013553	0.00013553	mg/L	16.51396409	0.00011620	85.74076355	7.37476422	44.66	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948	0.0
Co 230.786	Co	n	0.00086606	0.00086606	mg/L	83.25667975	0.00044297	51.14748406	6.47369461	7.78	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064	0.0
Cr 267.716	Cr	nu	-0.00005626	-0.00005626	mg/L	67.77349706	0.00025046	445.18035195	7.21356482	10.64	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104	-0.0
Cu 324.754	Cu	n	0.00465545	0.00465545	mg/L	379.48827171	0.00095614	20.53807569	16.71451249	4.40	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465	0.0
Fe 259.940	Fe	nu	-0.00108827	-0.00108827	mg/L	60.28656358	0.00033730	30.99424208	8.77472819	14.56	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391	-0.0
K 766.491	K-R	n	0.10720217	0.10720217	mg/L	89.96419879	0.02731713	25.48188210	41.84237720	46.51	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989	0.1
Li 670.783	Li-R	nu	-0.00144791	-0.00144791	mg/L	-111.41915899	0.00007259	5.01334782	7.73086481	6.94	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693	-0.0
Mg 279.800	Mg-R	nu	-0.01445653	-0.01445653	mg/L	30.77953286	0.00318535	22.03395853	7.30161937	23.72	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998	-0.0
Mn 257.610	Mn	nu	0.00000919	0.00000919	mg/L	169.99125403	0.00005168	562.12791809	8.47742522	4.99	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167	0.0
Mo 204.598	Mo	nu	0.00210578	0.00210578	mg/L	15.88176254	0.00246487	117.05266244	6.16691303	38.83	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907	0.0
Na 589.592	Na-R	nu	-0.04142593	-0.04142593	mg/L	1047.37526779	0.00499569	12.05933172	55.72804949	5.32	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111	-0.0
Ni 231.604	Ni	nu	0.00038789	0.00038789	mg/L	42.86902499	0.00102169	263.39670817	9.14880565	21.34	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923	0.0
P 177.434	P	nu	0.00529716	0.00529716	mg/L	1.92838914	0.01093191	206.37289966	1.30713780	67.78		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352	-0.0
Pb 220.353	Pb	n	0.00211875	0.00211875	mg/L	3.66181064	0.00042256	19.94376893	1.33337525	36.41	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412	0.0
S 181.972	S	n	0.00886790	0.00886790	mg/L	66.67149297	0.00942816	106.31778212	4.95386945	7.43		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128	0.0
Sb 206.834	Sb	nu	-0.00651948	-0.00651948	mg/L	-22.89803723	0.00876832	134.49409301	8.16739428	35.67	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431	-0.0
Se 196.026	Se	nu	0.00239149	0.00239149	mg/L	18.63723911	0.00606210	253.48598409	6.59318971	35.38	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923	-0.0
Si 251.611	Si	n	0.00359702	0.00359702	mg/L	35.36556417	0.00070916	19.71533284	2.59242959	7.33		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154	0.0
Sn 189.925	Sn	nu	0.00062696	0.00062696	mg/L	20.18537372	0.00116050	185.09788077	3.78835888	18.77	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478	-0.0
Sr 421.552	Sr-R	nu	-0.00001289	-0.00001289	mg/L	48.69109711	0.00005951	461.53889632	25.98049002	53.36	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542	0.0
Ti 334.941	Ti	n	0.00065224	0.00065224	mg/L	324.92862897	0.00017890	27.42824173	27.88469119	8.58	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033	0.0
Tl 190.794	Tl	n	0.00732644	0.00732644	mg/L	4.06611592	0.00212374	28.98729526	2.05410755	50.52	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615	0.0
V 292.401	V	nu	0.00009694	0.00009694	mg/L	46.71324278	0.00036947	381.11678712	5.93904030	12.71	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183	-0.0
Zn 206.200	Zn	nu	-0.00057724	-0.00057724	mg/L	45.25056659	0.00028512	49.39286596	5.01709010	11.09	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739	-0.0
Y 371.029	Y		1.03	1.03	Ratio	369399.01	0.01	1.26	4657.86	1.26		-	-	-	Fitted	-	-	1.0
Y 371.029	Y-R		1.13	1.13	Ratio	197731.33	0.01	0.75	1476.95	0.75		-	-	-	Fitted	-	-	1.1

ENTHALPY CONTINUING CALIBRATION FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0	
Seqnum: 674289965169	File: icp data	Time: 19-JUL-2024 18:37
Cal: 674289965001	Caldate: 19-JUL-2024	

Standards: S21181

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	2886.8	3221.9	1.000	1.022	mg/L	2	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	360256	0.33
Yttrium	R	174830	191170	9.35

Label: CCV,S21181	Rack/Tube: S1:12	Type: QC
Date Time: 7/19/2024 6:37:41 PM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3	Flags Replicate 1: -	Flags Replicate 2: -
Flags Replicate 3: -		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.49248637	0.49248637	mg/L	17766.56092488	0.00601424	1.22119836	212.53773542	1.20		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	1.03283162	1.03283162	mg/L	18348.03321686	0.00514309	0.49795986	85.35441261	0.47	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	n	1.05822547	1.05822547	mg/L	1824.12816146	0.00561820	0.53090779	9.59628725	0.53	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	n	1.07407650	1.07407650	mg/L	17962.07281930	0.00481851	0.44861874	79.67805786	0.44	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	1.01675119	1.01675119	mg/L	37348.58141976	0.00840378	0.82653293	307.07166349	0.82	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	1.06493973	1.06493973	mg/L	1177843.19690613	0.00632558	0.59398526	6995.89381031	0.59	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	n	48.64172114	48.64172114	mg/L	643836.77646749	0.15373398	0.31605375	2029.67476849	0.32	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	1.04419972	1.04419972	mg/L	66277.72281544	0.00715064	0.68479594	453.81124210	0.68	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	1.04866002	1.04866002	mg/L	15398.36690439	0.00379660	0.36204314	55.48474123	0.36	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.97536323	0.97536323	mg/L	28163.36498440	0.00535768	0.54930123	154.30786334	0.55	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	1.01392113	1.01392113	mg/L	18024.55519944	0.00462177	0.45583133	80.79430337	0.45	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	n	1.03493506	1.03493506	mg/L	27148.41376843	0.00708760	0.68483489	184.38058522	0.68	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	56.96578287	56.96578287	mg/L	87186.20592995	0.17203899	0.30200408	263.51670282	0.30	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	n	0.93178277	0.93178277	mg/L	99314.37364551	0.00302924	0.32510169	322.62205509	0.32	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	n	48.38557658	48.38557658	mg/L	110975.65035284	0.20121155	0.41585027	461.22773786	0.42	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	n	1.01960484	1.01960484	mg/L	167450.43704553	0.01120937	1.09938355	1838.90761677	1.10	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	n	1.00947784	1.00947784	mg/L	2537.83034874	0.01853240	1.83584031	46.36656666	1.83	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	n	45.66841187	45.66841187	mg/L	510985.84512081	0.20091368	0.43994014	2241.23722924	0.44	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	n	1.00204778	1.00204778	mg/L	9012.74930506	0.00594402	0.59318696	53.22638928	0.59	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	n	4.32303752	4.32303752	mg/L	518.35918584	0.06491857	1.50168885	7.76236772	1.50		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	n	1.02194811	1.02194811	mg/L	3221.88218503	0.00425831	0.41668576	13.43704979	0.42	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	n	5.59902939	5.59902939	mg/L	3005.75868275	0.01926705	0.34411419	10.12355637	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	n	1.02775044	1.02775044	mg/L	941.66117332	0.01096543	1.06693501	10.21392798	1.08	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	1.07357913	1.07357913	mg/L	1183.84411082	0.01675457	1.56062767	18.22241241	1.54	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	n	5.71659074	5.71659074	mg/L	20921.93208819	0.11078178	1.93789952	404.97553991	1.94		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	n	5.03123852	5.03123852	mg/L	16442.02609294	0.03201973	0.63641848	104.52614989	0.64	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	n	0.96710531	0.96710531	mg/L	422457.76903003	0.00309142	0.31965655	1349.56024910	0.32	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	1.03339479	1.03339479	mg/L	161299.32526109	0.01051627	1.01764343	1639.16080672	1.02	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	1.02916950	1.02916950	mg/L	992.10464587	0.01603822	1.55836563	15.51238484	1.56	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	n	1.01726887	1.01726887	mg/L	16394.68406337	0.00592365	0.58230944	95.21947411	0.58	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	1.09305440	1.09305440	mg/L	19303.19517964	0.00370027	0.33852590	65.11260158	0.34	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y	1.00	1.00	Ratio	360256.18	0.01	1.19	4295.95	1.19		-	-	-	Fitted	-	-	-
Y 371.029	Y-R	1.09	1.09	Ratio	191170.41	0.00	0.15	289.35	0.15		-	-	-	Fitted	-	-	-

ENTHALPY INSTRUMENT BLANK FOR 512355 METALS Wipe
EPA 6010B

Inst: MET09	IDF: 1.0	
Seqnum: 674289965170	File: icp data	Time: 19-JUL-2024 18:40
Cal: 674289965001	Caldate: 19-JUL-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	359055	368058	2.51
Yttrium	R	174830	195673	11.92

Label:	CCB	Rack/Tube:	S1:1	Type:	QC
Date Time:	7/19/2024 6:40:48 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:	-	Customer:	-	Customer Ref.:	-
Sample Date Time:	-	Sample Site:	-	Description:	-
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00003099	-0.00003099	mg/L	363.88534789	0.00094973	3064.45207776	33.56252242	9.22		Y (371.029 nm)	Linear	1.00000	Fitted	364.979957784529	35339.1109850767
Al 396.152	Al	n	0.00332652	0.00332652	mg/L	1007.23726384	0.00230415	69.26619304	38.23963633	3.80	12.31088648	Y (371.029 nm)	Linear	0.99957	Fitted	952.065515393399	16595.9500849983
As 188.980	As	nu	0.00312048	0.00312048	mg/L	21.55439225	0.00430105	137.83306368	7.34650417	34.08	18.27478423	Y (371.029 nm)	Linear	0.99993	Fitted	16.2244816989047	1708.07104057091
B 249.678	B	nu	0.00111367	0.00111367	mg/L	217.90269387	0.00128995	115.82891326	21.33035156	9.79	7.40688711	Y (371.029 nm)	Linear	0.99994	Fitted	199.485812568553	16535.8344936834
Ba 230.424	Ba	n	0.00085443	0.00085443	mg/L	225.08503030	0.00037745	44.17547306	13.79183145	6.13	3.07554057	Y (371.029 nm)	Linear	0.99998	Fitted	193.86486951094	36539.692741299
Be 313.107	Be	n	0.00012805	0.00012805	mg/L	200.83306940	0.00003733	29.15412297	41.28778513	20.56	10.17033435	Y (371.029 nm)	Linear	0.99998	Fitted	59.2126903854086	1105967.88133263
Ca 317.933	Ca-R	nu	-0.00527036	-0.00527036	mg/L	1485.12714957	0.00121715	23.09423593	16.06942796	1.08	11.20847803	Y-R (371.029 nm)	Linear	1.00000	Fitted	1554.71848662999	13202.5119174988
Cd 214.439	Cd	n	0.00011850	0.00011850	mg/L	15.43221588	0.00005543	46.77375635	3.51777814	22.80	1.56744906	Y (371.029 nm)	Linear	0.99999	Fitted	7.91384561209873	63464.4469270948
Co 230.786	Co	n	0.00138233	0.00138233	mg/L	90.80072487	0.00036233	26.21182600	5.29527696	5.83	15.92128147	Y (371.029 nm)	Linear	0.99999	Fitted	70.6000560487511	14614.3172484064
Cr 267.716	Cr	n	0.00021939	0.00021939	mg/L	75.71209430	0.00015598	71.09970100	4.49250438	5.93	1.36898866	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	69.3941807871944	28801.2349462104
Cu 324.754	Cu	n	0.00486785	0.00486785	mg/L	383.20112260	0.00051129	10.50334647	8.93794332	2.33	35.30920291	Y (371.029 nm)	Linear	0.99970	Fitted	298.104416526184	17481.2465298465
Fe 259.940	Fe	nu	-0.00100053	-0.00100053	mg/L	62.56451272	0.00016840	16.83122032	4.38086982	7.00	10.69050431	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	88.6059091209034	26014.5436085391
K 766.491	K-R	n	0.10824672	0.10824672	mg/L	91.56340548	0.00792998	7.32583788	12.14656065	13.27	79.53495482	Y-R (371.029 nm)	Linear	0.99995	Fitted	-74.2407188880643	1531.72663878989
Li 670.783	Li-R	nu	-0.00306028	-0.00306028	mg/L	-283.14217374	0.00031696	10.35732543	33.75743068	11.92	4.05974999	Y-R (371.029 nm)	Linear	0.99999	FACT	42.7888000914453	106502.584083693
Mg 279.800	Mg-R	nu	-0.00535667	-0.00535667	mg/L	51.63749406	0.00223681	41.75748885	5.12733797	9.93	3.54530839	Y-R (371.029 nm)	Linear	1.00000	Fitted	63.9192699711094	2292.25280655998
Mn 257.610	Mn	nu	0.00002633	0.00002633	mg/L	172.80068994	0.00003125	118.70276036	5.12667794	2.97	2.07433092	Y (371.029 nm)	Linear	0.99996	Fitted	168.485514465789	164050.964980167
Mo 204.598	Mo	nu	0.00056049	0.00056049	mg/L	12.01502194	0.00085575	152.68020518	2.14102053	17.82	6.33883146	Y (371.029 nm)	Linear	0.99995	Fitted	10.6132092774659	2501.91900982907
Na 589.592	Na-R	nu	-0.03107524	-0.03107524	mg/L	1162.83971231	0.00151765	4.88379457	16.92973757	1.46	2.13536480	Y-R (371.029 nm)	Linear	0.99999	Fitted	1509.49006842015	11155.2248821111
Ni 231.604	Ni	nu	-0.00019116	-0.00019116	mg/L	37.68378948	0.00042810	223.95449756	3.83347988	10.17	4.01367926	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	39.3957220620196	8954.61631350923
P 177.434	P	nu	0.00959361	0.00959361	mg/L	2.44204788	0.01936216	201.82355446	2.31514900	94.80		Y (371.029 nm)	Linear	1.00000	Fitted	1.29498377048499	119.570832410352
Pb 220.353	Pb	nu	0.00099805	0.00099805	mg/L	0.13636070	0.00120907	121.14315527	3.81520518	> 100.00	7.52880069	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-3.01952951507485	3155.48716028412
S 181.972	S	nu	-0.00510199	-0.00510199	mg/L	59.33076587	0.00367605	72.05129528	1.93152004	3.26		Y (371.029 nm)	Linear	1.00000	Fitted	62.0118790093394	525.433515606128
Sb 206.834	Sb	nu	-0.00428192	-0.00428192	mg/L	-20.81383595	0.00481826	112.52561476	4.48804322	21.56	2.05048246	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	-16.8251488952567	931.46631976431
Se 196.026	Se	n	0.00813337	0.00813337	mg/L	24.88205516	0.00466034	57.29904761	5.06862833	20.37	9.15655486	Y (371.029 nm)	Linear	0.99992	Fitted	16.0360790998832	1087.60828703923
Si 251.611	Si	nu	0.00128687	0.00128687	mg/L	26.92038636	0.00268402	208.56856827	9.81172949	36.45		Y (371.029 nm)	Linear	1.00000	Fitted	22.2160823016478	3655.61487927154
Sn 189.925	Sn	nu	0.00031349	0.00031349	mg/L	19.16190018	0.00196985	628.36106750	6.43042747	33.56	35.38942007	Y (371.029 nm)	Linear	0.99995	Fitted	18.1386072133208	3264.42929765478
Sr 421.552	Sr-R	nu	-0.00001032	-0.00001032	mg/L	49.77998949	0.00006305	610.80345639	27.52648092	55.30	1.98110923	Y-R (371.029 nm)	Linear	0.99999	Fitted	54.3141739361927	436550.913820542
Ti 334.941	Ti	n	0.00077237	0.00077237	mg/L	343.65249444	0.00014058	18.20125321	21.91227515	6.38	2.94289655	Y (371.029 nm)	Linear	0.99991	Fitted	223.264733920328	155868.96942033
Tl 190.794	Tl	n	0.00386379	0.00386379	mg/L	0.71715503	0.00092178	23.85696216	0.89156136	> 100.00	14.68822557	Y (371.029 nm)	Linear	0.99975	Fitted	-3.02010871223258	967.21338926615
V 292.401	V	nu	-0.00003388	-0.00003388	mg/L	44.61133584	0.00057468	1696.18026068	9.23774272	20.71	1.88958835	Y (371.029 nm)	Linear	0.99993	Off-Peak Left+Right	45.1538122363187	16074.4527450183
Zn 206.200	Zn	n	0.00122525	0.00122525	mg/L	76.95937662	0.00032279	26.34486955	5.68006410	7.38	7.29273088	Y (371.029 nm)	Linear	0.99998	Fitted	55.4169038161272	17596.7058635739
Y 371.029	Y		1.03	1.03	Ratio	368058.22	0.01	1.23	4541.18	1.23		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.12	1.12	Ratio	195672.59	0.02	1.78	3485.24	1.78		-	-	-	Fitted	-	-



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 513149
Report Level : II
Report Date : 08/02/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

Austin Moore Rincon Consultants 449 15th Street #303 Oakland, CA 94612	Lab Job #: 513149 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/31/24
--	--

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.9GE-INT-19 TO 20-240731-L-CB	513149-001	07/31/24 08:35	Wipe
DOOR-S-15.7GE-EXT-5 TO 6-240731-L-CB	513149-002	07/31/24 08:45	Wipe
DOOR-S-15.7GW-INT-18 TO 19-240731-L-CB	513149-003	07/31/24 08:50	Wipe
DOOR-S-15.9GW-DG-5 TO 18-240731-L-LA	513149-004	07/31/24 09:00	Wipe
DOOR-S-15.7GE-PS-18-240731-L-G	513149-005	07/31/24 09:10	Wipe
240731-L-FIELDBLANK1-LO	513149-006	07/31/24 08:00	Wipe
240731-L-MEDBLANK1-LO	513149-007	07/31/24 12:35	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 513149
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 07/31/24

This data package contains sample and QC results for seven wipe samples, requested for the above referenced project on 08/01/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

5 of 10

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.



ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 - NCTRA WIP

Date Received: 8/1/27

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) _____
(No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 2.3 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.7 #2: _____ #3: _____ #4: _____

Section 4

	YES	NO	N/A
Was a COC received?	☒	☐	☐
Are sample IDs present?	☒	☐	☐
Are sampling dates & times present?	☒	☐	☐
Is a relinquished signature present?	☒	☐	☐
Are the tests required clearly indicated on the COC?	☒	☐	☐
Are custody seals present?	☒	☐	☐
If custody seals are present, were they intact?	☒	☐	☐
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	☐	☐	☒
Did all samples arrive intact? If no, indicate in Section 4 below.	☒	☐	☐
Did all bottle labels agree with COC? (ID, dates and times)	☒	☐	☐
Were the samples collected in the correct containers for the required tests?	☒	☐	☐
Are the containers labeled with the correct preservatives?	☐	☐	☒
Is there headspace in the VOA vials greater than 5-6 mm in diameter?	☐	☐	☒
Was a sufficient amount of sample submitted for the requested tests?	☒	☐	☐

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response: _____

Completed By: Toni Nef Date: 8/1/27

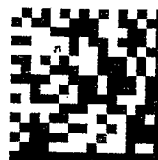
SOUTHWEST AIRLINES

Printed on:
31 JUL 19:37

526 OAK 1581 3114



SNA	PC#	DG	LOT WT
	7 OF 8	G	300 LB (136.1 KG)
<u>Temp</u> 1.7 / 2.3			
OAK	WN 941	01 AUG	06:20
STN	FLT	DATE	ETD LOT 01



PC ID: 0007
PC WT: 37LB

526 15813114 0007

S

Lead

Lab #: 513149		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.9GE-INT-19 TO 20-240731-L-CB	Batch#: 346642	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 6010B	
Lab ID: 513149-001	Received: 07/31/24	Analyst: DXC	
Matrix: Wipe	Prepared: 08/01/24		
Diln Fac: 1.000	Analyzed: 08/01/24		
513149-001 Analyte		Result	RL Units
Lead		65	0.50 ug/ft2
Field ID: DOOR-S-15.7GE-EXT-5 TO 6-240731-L-CB	Batch#: 346642	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 6010B	
Lab ID: 513149-002	Received: 07/31/24	Analyst: DXC	
Matrix: Wipe	Prepared: 08/01/24		
Diln Fac: 1.000	Analyzed: 08/01/24		
513149-002 Analyte		Result	RL Units
Lead		80	0.50 ug/ft2
Field ID: DOOR-S-15.7GW-INT-18 TO 19-240731-L-CB	Batch#: 346642	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 6010B	
Lab ID: 513149-003	Received: 07/31/24	Analyst: DXC	
Matrix: Wipe	Prepared: 08/01/24		
Diln Fac: 1.000	Analyzed: 08/01/24		
513149-003 Analyte		Result	RL Units
Lead		100	0.50 ug/ft2
Field ID: DOOR-S-15.9GW-DG-5 TO 18-240731-L-LA	Batch#: 346642	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 6010B	
Lab ID: 513149-004	Received: 07/31/24	Analyst: DXC	
Matrix: Wipe	Prepared: 08/01/24		
Diln Fac: 1.000	Analyzed: 08/01/24		
513149-004 Analyte		Result	RL Units
Lead		55	0.50 ug/ft2
Field ID: DOOR-S-15.7GE-PS-18-240731-L-G	Batch#: 346642	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 6010B	
Lab ID: 513149-005	Received: 07/31/24	Analyst: DXC	
Matrix: Wipe	Prepared: 08/01/24		
Diln Fac: 1.000	Analyzed: 08/01/24		
513149-005 Analyte		Result	RL Units
Lead		52	0.50 ug/ft2

Lead

Lab #: 513149		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: 240731-L-FIELDBLANK1-LO	Batch#: 346642	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 6010B	
Lab ID: 513149-006	Received: 07/31/24	Analyst: DXC	
Matrix: Wipe	Prepared: 08/01/24		
Diln Fac: 1.000	Analyzed: 08/01/24		
513149-006 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Field ID: 240731-L-MEDBLANK1-LO	Batch#: 346642	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 6010B	
Lab ID: 513149-007	Received: 07/31/24	Analyst: DXC	
Matrix: Wipe	Prepared: 08/01/24		
Diln Fac: 1.000	Analyzed: 08/01/24		
513149-007 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Type: BLANK	Batch#: 346642	Analysis: EPA 6010B	
Lab ID: QC1174500	Prepared: 08/01/24	Analyst: DXC	
Matrix: Wipe	Analyzed: 08/01/24		
Diln Fac: 1.000	Prep: EPA 3050B		
QC1174500 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Legend ND: Not Detected RL: Reporting Limit			

Lead: Batch QC

Lab #: 513149

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1174501

Matrix: Wipe

Diln Fac: 1.000

Batch#: 346642

Prepared: 08/01/24

Analyzed: 08/01/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: DXC

QC1174501 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.19	106	80-120	ug/ft2

Type: BSD

Lab ID: QC1174502

Matrix: Wipe

Diln Fac: 1.000

Batch#: 346642

Prepared: 08/01/24

Analyzed: 08/01/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: DXC

QC1174502 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.07	102	80-120	ug/ft2	4	20

Legend

RPD: Relative Percent
Difference



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 513228
Report Level : IV
Report Date : 08/08/2024

PCBs

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 513228
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/31/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.8GW-PS-21-240731-P-G	513228-001	07/31/24 07:30	Wipe
DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA	513228-003	07/31/24 07:45	Wipe
DOOR-S-15.7GE-INT-20 TO 21-240731-P-CB	513228-005	07/31/24 07:55	Wipe
DOOR-S-15.8GW-DG-6 TO 20-240731-P-LA	513228-007	07/31/24 08:10	Wipe
DOOR-S-15.8GE-DG-6 TO 19-240731-P-LA	513228-009	07/31/24 08:20	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 513228
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 07/31/24

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 08/01/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

513228

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange		COC ID:		Standard:		3 Day:	
951 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Page:		X (PCBs)		custom TAT:	
1 of 1		1		1 Day:		X (PB)	
Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Preservatives: 1 = Na ₂ S ₂ O ₅ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other		Report: Level IV		Sample Receipt Temp: (lab use only)	
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request		Test Instructions / Comments	
Company:	Rincon Consultants, Inc.	Quote #:	RN031721			Confirmation Wine Samples - Level IV	
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP			Report/Stage 3 Validation	
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491			Report PCB concentrations on a µg/100cm ² basis	
Address:	449 15th Street, Suite 303	P.O. #:				Report lead concentrations on a µg/l ₂ basis	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA			Report Aroclor 1268 concentrations in addition to the standard Aroclors	
Phone:	(651) 890-9556	Global ID:				Wipe samples collected from Zone 8 Enclosure B (Low Occupancy)	
Fax:		Sampled By:	D. Wulsh				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/60109
1 DOOR-S-15.8GW-PS-21-240731-P-G	7/31/2024	0730	WP	1	--	X	
2 DOOR-S-15.8GW-PS-21-240731-L-G	7/31/2024	0730	WP	1	--	X	
3 DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA	7/31/2024	0745	WP	1	--	X	
4 DOOR-S-15.6GE-DG-7 TO 20-240731-L-LA	7/31/2024	0745	WP	1	--	X	
5 DOOR-S-15.7GE-INT-20 TO 21-240731-P-CB	7/31/2024	0755	WP	1	--	X	
6 DOOR-S-15.7GE-INT-20 TO 21-240731-L-CB	7/31/2024	0755	WP	1	--	X	
7 DOOR-S-15.8GW-DG-6 TO 20-240731-P-LA	7/31/2024	0810	WP	1	--	X	
8 DOOR-S-15.8GW-DG-6 TO 20-240731-L-LA	7/31/2024	0810	WP	1	--	X	
9 DOOR-S-15.8GE-DG-6 TO 19-240731-P-LA	7/31/2024	0820	WP	1	--	X	
10 DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA	7/31/2024	0820	WP	1	--	X	
11 DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-LA	7/31/2024	0820	WP	1	--	X	
12 DOOR-S-15.7GW-INT-20 TO 21-240731-P-CB	7/31/2024		WP	1	--	X	
13 DOOR-S-15.7GW-INT-20 TO 21-240731-L-CB	7/31/2024		WP	1	--	X	
14					--		
15					--		
Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By:	<i>[Signature]</i>	Donald Wulsh		Parker / Env. Scientist		7/31/24 1430	
1 Received By:	<i>[Signature]</i>	Lindsay Hudson		ENTHACPY		7/31/24 1430	
2 Relinquished By:	<i>[Signature]</i>	Lindsay Hudson				7/31/24 1615	
2 Received By:	<i>[Signature]</i>	Barnard Hys		Pnt		7/31/24 1615	
2 Relinquished By:	<i>[Signature]</i>	Jesse Peterson		ENTHACPY		7/31/24 1819	
2 Received By:	<i>[Signature]</i>	Tina May		ENTHACPY		8/1/24 1015	

6 of 209

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hanger, 1 NCTA VP

Date Received: 8/1/24

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) _____
(No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 2.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.7 #2: _____ #3: _____ #4: _____

Section 4

	YES	NO	N/A
Was a COC received?	☒		
Are sample IDs present?	☒		
Are sampling dates & times present?	☒		
Is a relinquished signature present?	☒		
Are the tests required clearly indicated on the COC?	☒		
Are custody seals present?	☒		
If custody seals are present, were they intact?	☒		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			☒
Did all samples arrive intact? If no, indicate in Section 4 below.	☒		
Did all bottle labels agree with COC? (ID, dates and times)	☒		
Were the samples collected in the correct containers for the required tests?	☒		
Are the containers labeled with the correct preservatives?			☒
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			☒
Was a sufficient amount of sample submitted for the requested tests?	☒		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time: _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response: _____

Completed By: Erin Kelly

Date: 8/1/24

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

Sample Acceptance Checklist – Rev 4, 8/8/2017

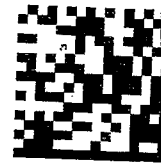
SOUTHWEST AIRLINES

Printed on:
31 JUL 19:37

526 OAK 1581 3114



SNA	PC#	DG	LOT WT
	7 OF 8	G	300 LB (136.1 KG)
<u>Temp</u>			
1.7 / 2.3			
OAK WN 941	01 AUG	06:20	
STN	FLT	DATE	ETD LOT 01



PC ID: 0007
PC WT: 37LB
526 15813114 0007

S

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 513228	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.8GW-PS-21-240731-P-G	Batch#: 346727	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 8082
Lab ID: 513228-001	Received: 07/31/24	Analyst: MES
Matrix: Wipe	Prepared: 08/02/24	
Diln Fac: 1.000	Analyzed: 08/03/24	

513228-001 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
513228-001 Surrogate		%REC	Limits
TCMX (PCB)		71	19-121
Decachlorobiphenyl (PCB)		65	19-121

Field ID: DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA	Batch#: 346727	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 8082
Lab ID: 513228-003	Received: 07/31/24	Analyst: MES
Matrix: Wipe	Prepared: 08/02/24	
Diln Fac: 1.000	Analyzed: 08/03/24	

513228-003 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
513228-003 Surrogate		%REC	Limits
TCMX (PCB)		75	19-121
Decachlorobiphenyl (PCB)		75	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 513228	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.7GE-INT-20 TO 21-240731-P-CB	Batch#: 346727	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 8082
Lab ID: 513228-005	Received: 07/31/24	Analyst: MES
Matrix: Wipe	Prepared: 08/02/24	
Diln Fac: 1.000	Analyzed: 08/03/24	

513228-005 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

513228-005 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	65	19-121

Field ID: DOOR-S-15.8GW-DG-6 TO 20-240731-P-LA	Batch#: 346727	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 8082
Lab ID: 513228-007	Received: 07/31/24	Analyst: MES
Matrix: Wipe	Prepared: 08/02/24	
Diln Fac: 1.000	Analyzed: 08/03/24	

513228-007 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

513228-007 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	64	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 513228	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.8GE-DG-6 TO 19-240731-P-LA	Batch#: 346727	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 8082
Lab ID: 513228-009	Received: 07/31/24	Analyst: MES
Matrix: Wipe	Prepared: 08/02/24	
Diln Fac: 1.000	Analyzed: 08/03/24	

513228-009 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
513228-009 Surrogate		%REC	Limits
TCMX (PCB)		75	19-121
Decachlorobiphenyl (PCB)		65	19-121

Type: BLANK	Batch#: 346727	Analysis: EPA 8082
Lab ID: QC1174809	Prepared: 08/02/24	Analyst: MES
Matrix: Wipe	Analyzed: 08/03/24	
Diln Fac: 1.000	Prep: EPA 3546	

QC1174809 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
QC1174809 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		78	19-121

Legend
ND: Not Detected
RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 513228

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 346727

Analysis: EPA 8082

Lab ID: QC1174810

Prepared: 08/02/24

Analyst: MES

Matrix: Wipe

Analyzed: 08/03/24

Diln Fac: 1.000

Prep: EPA 3546

QC1174810 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.604	72	60-140	ug/100 cm2
Aroclor-1260	5.000	3.615	72	60-140	ug/100 cm2

QC1174810 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	71	19-121

Type: BSD

Batch#: 346727

Analysis: EPA 8082

Lab ID: QC1174811

Prepared: 08/02/24

Analyst: MES

Matrix: Wipe

Analyzed: 08/03/24

Diln Fac: 1.000

Prep: EPA 3546

QC1174811 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.241	85	60-140	ug/100 cm2	16	20
Aroclor-1260	5.000	4.182	84	60-140	ug/100 cm2	15	20

QC1174811 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	81	19-121

Legend

RPD: Relative Percent
Difference

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r ²	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = $a0 + (amount \times a1) + (amount^2 \times a2)$ (invert equation before quantitating)

Where the X-Axis holds the (R)esponse: Instrument amount = $a0 + (response \times a1) + (response^2 \times a2)$

AVRG: Average response factor

QUAD: Quadratic regression

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	10.000	16	20.000	36	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	-21	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	38	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	22	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	24	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	21	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	-21
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	-21		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 513228 PCBS Wipe
EPA 8082

Inst: SVOA-GC07	Name: PCB_ICAL_062824
Calnum: 464259633001	Cal Date: 28-JUN-2024

• ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

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Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY CONTINUING CALIBRATION FOR 513228 PCBs Wipe
EPA 8082

Inst: SVOA-GC07	File: gc07_080324004	IDF: 1.0
Seqnum: 464311880004	Caldate: 28-JUN-2024	Time: 03-AUG-2024 14:35
Cal: 464259633001		

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	532.1	ug/L	6	15	0.0000	
Aroclor-1260	A			500.0	526.0	ug/L	5	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	1.0161	40.00	36.86	pg/uL	-8	15	0.0000	
TCMX (PCB)	A	0.9369	0.9311	40.00	39.75	pg/uL	-1	15	0.0000	
Aroclor-1016	B			500.0	522.2	ug/L	4	15	0.0000	
Aroclor-1260	B			500.0	506.2	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	1.1035	40.00	40.40	pg/uL	1	15	0.0000	
TCMX (PCB)	B	0.9593	0.9693	40.00	40.42	pg/uL	1	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	8121529	1.00
1-bromo-2-nitrobenzene (PCB)	A	28707643	35201723	22.62

08/03/24 : 500 PPB PCB CCV

KLR 08/03/24 [Aroclor-1016 A]: Corrected automatically drawn baseline for Ch. A.

KLR 08/03/24 [Aroclor-1260 A]: Separated from coeluting peak for all channels.

Analyst: KLR 08/03/24

Reviewer: MTS 08/05/24

Date: 08/03/24		Reference: gc07_062824021		
Sequence: SVOA-GC07 gc07_080324		Analyzed: 06/28/24 13:21		
#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8040733	28707643
		LOWER LIMIT	4020367	14353822
		UPPER LIMIT	16081466	57415286
004	CCV		8121529	35201723

Date: 08/03/24
Sequence: SVOA-GC07 gc07_080324

Reference: gc07_080324004
Analyzed: 08/03/24 14:35

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	8121529	35201723
		LOWER LIMIT	4060764	17600861
		UPPER LIMIT	16243057	70403445
011	SAMPLE	512234-002	8833677	24936310
012	BLANK	QC1174809	8975043	40468960
013	BS	QC1174810	8692662	39849104
014	BSD	QC1174811	8561648	38598061
015	SAMPLE	513150-001	7979375	34396363
016	SAMPLE	513150-004	8210502	35575313
017	SAMPLE	513150-006	8275502	35259719
018	SAMPLE	513150-008	8418688	35800713
019	SAMPLE	513150-009	8377558	35852146
020	SAMPLE	513150-011	7935051	33317640
021	SAMPLE	513150-013	7266194	30534210
022	SAMPLE	513228-001	7976845	33595639
023	SAMPLE	513228-003	7788998	33475728
024	SAMPLE	513228-005	7227073	30294074
025	SAMPLE	513228-007	5949043	25074373
026	SAMPLE	513228-009	6525979	27383904
030	SAMPLE	513175-005	7724341	33216152
030	SAMPLE	513175-005	7724341	33216152
032	BLANK	QC1174910	8007343	34044143
033	BS	QC1174911	6639027	28198551
034	BSD	QC1174912	6974203	29505363
035	SAMPLE	513168-001	7522642	32361704

Date: 08/03/24
Sequence: SVOA-GC07 gc07_080324

Reference: gc07_080324004
Analyzed: 08/03/24 14:35

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV STD	4.47	4.32
		LOWER LIMIT	4.27	4.12
		UPPER LIMIT	4.67	4.52
011	SAMPLE	512234-002	4.47	4.32
012	BLANK	QC1174809	4.47	4.33
013	BS	QC1174810	4.47	4.32
014	BSD	QC1174811	4.47	4.33
015	SAMPLE	513150-001	4.47	4.32
016	SAMPLE	513150-004	4.47	4.32
017	SAMPLE	513150-006	4.47	4.33
018	SAMPLE	513150-008	4.47	4.32
019	SAMPLE	513150-009	4.47	4.33
020	SAMPLE	513150-011	4.47	4.32
021	SAMPLE	513150-013	4.47	4.32
022	SAMPLE	513228-001	4.47	4.32
023	SAMPLE	513228-003	4.47	4.32
024	SAMPLE	513228-005	4.47	4.32
025	SAMPLE	513228-007	4.47	4.32
026	SAMPLE	513228-009	4.47	4.32
030	SAMPLE	513175-005	4.47	4.32
032	BLANK	QC1174910	4.47	4.32
033	BS	QC1174911	4.47	4.33
034	BSD	QC1174912	4.47	4.32
035	SAMPLE	513168-001	4.47	4.33

Instrument: SVOA-GC07

Begun: 06/28/24 07:13

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_062824002	PEM				06/28/24 07:13	1.0	1	
003	gc07_062824003	CCV				06/28/24 07:34	1.0	2	ac
004	gc07_062824004	CCV				06/28/24 07:55	1.0	3	
005	gc07_062824005	CCV				06/28/24 08:25	1.0	2	
006	gc07_062824006	CCV				06/28/24 08:46	1.0	3	
019	gc07_062824019	ICAL				06/28/24 12:46	1.0	4	
020	gc07_062824020	ICAL				06/28/24 13:03	1.0	5	
021	gc07_062824021	ICAL				06/28/24 13:21	1.0	6	
022	gc07_062824022	ICAL				06/28/24 13:38	1.0	7	
023	gc07_062824023	ICAL				06/28/24 13:56	1.0	8	
024	gc07_062824024	ICAL				06/28/24 14:13	1.0	9	
025	gc07_062824025	ICAL				06/28/24 14:30	1.0	10	
026	gc07_062824026	ICAL				06/28/24 14:48	1.0	11	
027	gc07_062824027	ICAL				06/28/24 15:05	1.0	12	
028	gc07_062824028	ICAL				06/28/24 15:22	1.0	13	
030	gc07_062824030	ICV				06/28/24 15:57	1.0	14	

KLR 06/28/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 30.

ac=average CCV drift out

Standards Used:

1=S20775 2=S20879 3=S20894 4=S20882 5=S20883 6=S20884 7=S20885 8=S20886 9=S20887 10=S20888 11=S20889 12=S20890 13=S20891 14=S20893

Instrument: SVOA-GC07

Begun: 08/03/24 14:00

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_080324002	PEM				08/03/24 14:00	1.0	1	
003	gc07_080324003	CCV				08/03/24 14:18	1.0	2	
004	gc07_080324004	CCV				08/03/24 14:35	1.0	3	
005	gc07_080324005	ICAL				08/03/24 14:55	1.0	4	
011	gc07_080324011	SAMPLE	512234-002	WET Leachate	346569	08/03/24 16:42	1.0	5	
012	gc07_080324012	BLANK	QC1174809	Wipe	346727	08/03/24 17:00	1.0	5	
013	gc07_080324013	BS	QC1174810	Wipe	346727	08/03/24 17:17	1.0	5	
014	gc07_080324014	BSD	QC1174811	Wipe	346727	08/03/24 17:35	1.0	5	
015	gc07_080324015	SAMPLE	513150-001	Wipe	346727	08/03/24 17:52	1.0	5	
016	gc07_080324016	SAMPLE	513150-004	Wipe	346727	08/03/24 18:10	1.0	5	
017	gc07_080324017	SAMPLE	513150-006	Wipe	346727	08/03/24 18:27	1.0	5	
018	gc07_080324018	SAMPLE	513150-008	Wipe	346727	08/03/24 18:45	1.0	5	
019	gc07_080324019	SAMPLE	513150-009	Wipe	346727	08/03/24 19:02	1.0	5	
020	gc07_080324020	SAMPLE	513150-011	Wipe	346727	08/03/24 19:20	1.0	5	
021	gc07_080324021	SAMPLE	513150-013	Wipe	346727	08/03/24 19:37	1.0	5	
022	gc07_080324022	SAMPLE	513228-001	Wipe	346727	08/03/24 19:55	1.0	5	
023	gc07_080324023	SAMPLE	513228-003	Wipe	346727	08/03/24 20:12	1.0	5	
024	gc07_080324024	SAMPLE	513228-005	Wipe	346727	08/03/24 20:30	1.0	5	
025	gc07_080324025	SAMPLE	513228-007	Wipe	346727	08/03/24 20:47	1.0	5	
026	gc07_080324026	SAMPLE	513228-009	Wipe	346727	08/03/24 21:05	1.0	5	
027	gc07_080324027	SAMPLE	513116-015	Soil	346663	08/03/24 21:22	10.0	5	
028	gc07_080324028	SAMPLE	513116-020	Soil	346663	08/03/24 21:40	20.0	5	
029	gc07_080324029	SAMPLE	513193-002	Soil	346663	08/03/24 21:57	1.0	5	
030	gc07_080324030	SAMPLE	513175-005	Soil	346663	08/03/24 22:15	2.0	5	
031	gc07_080324031	SAMPLE	513175-005	Soil	346663	08/03/24 22:32	5.0	5	
032	gc07_080324032	BLANK	QC1174910	Water	346761	08/03/24 22:50	1.0	5	
033	gc07_080324033	BS	QC1174911	Water	346761	08/03/24 23:07	1.0	5	
034	gc07_080324034	BSD	QC1174912	Water	346761	08/03/24 23:25	1.0	5	
035	gc07_080324035	SAMPLE	513168-001	Water	346761	08/03/24 23:42	1.0	5	

KLR 08/03/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 11.

MES 08/08/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 12 through 35.

Standards Used:

1=S20775 2=S21103 3=S21104 4=S20753 5=S20106

SAMPLE PREPARATION SUMMARY

Batch #: 346727	Prep Date: 02-AUG-2024 10:17	Started By: KXL
Analysis: 8080	Method: 3546	Finished By: KXL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S21305	Spike S21137	Analysis
QC1174809 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1174810 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1174811 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
513150-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-006	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-009	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513150-013	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513228-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513228-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513228-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513228-007	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
513228-009	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE

Reviewed By: MES 08/05/24, BLB 08/07/24, MTS 08/08/24

Prep Method: 711 Matrix: UNPDS Date/Time: 08/02/24 10:17 Initials: KXL
Hotblock ID: N/A Therm Loc: N/A Therm ID/CF: N/A / N/A 608.3 QC Batch#: _____
Hotblock Temp (Obs/Corr), °C: N/A / N/A 8081 QC Batch #: _____
Balance ID: N/A Microdispenser ID: Syringe 8082 QC Batch #: 34
Extraction Start Time*: 10:20 Extraction end time*: 11:05

608.3 QC Batch#: _____
8081 QC Batch #: _____
8082 QC Batch #: 346727

* For hot block, microwave, shaker table

[illegible]

Methylene Chloride Lot:	N/A
Exchange Solvent (Hexane) ID:	S21096
Acetone-Hexane Mix ID:	WIR-072624-003
Sodium Sulfate Lot:	232416
Baked Sand Lot:	N/A

Surrogate ID: <u>521303</u>	Volume: <u>500</u> μ L
Pest LCS Spike ID: _____	Volume: _____ μ L
PCB LCS Spike ID: <u>521137</u>	Volume: <u>500</u> μ L
Pest MS/MSD Spike ID: _____	Volume: _____ μ L
PCB MS/MSD Spike ID: _____	Volume: _____ μ L

REPORTING SUMMARY FOR 513228 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
513228-001	Aroclor-1016	SVOA-GC07	B	08/03/24 19:55
513228-001	Aroclor-1221	SVOA-GC07	B	08/03/24 19:55
513228-001	Aroclor-1232	SVOA-GC07	B	08/03/24 19:55
513228-001	Aroclor-1242	SVOA-GC07	B	08/03/24 19:55
513228-001	Aroclor-1248	SVOA-GC07	B	08/03/24 19:55
513228-001	Aroclor-1254	SVOA-GC07	B	08/03/24 19:55
513228-001	Aroclor-1260	SVOA-GC07	B	08/03/24 19:55
513228-001	Aroclor-1262	SVOA-GC07	B	08/03/24 19:55
513228-001	Aroclor-1268	SVOA-GC07	B	08/03/24 19:55
513228-001	TCMX (PCB)	SVOA-GC07	B	08/03/24 19:55
513228-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 19:55
513228-003	Aroclor-1016	SVOA-GC07	B	08/03/24 20:12
513228-003	Aroclor-1221	SVOA-GC07	B	08/03/24 20:12
513228-003	Aroclor-1232	SVOA-GC07	B	08/03/24 20:12
513228-003	Aroclor-1242	SVOA-GC07	B	08/03/24 20:12
513228-003	Aroclor-1248	SVOA-GC07	B	08/03/24 20:12
513228-003	Aroclor-1254	SVOA-GC07	B	08/03/24 20:12
513228-003	Aroclor-1260	SVOA-GC07	B	08/03/24 20:12
513228-003	Aroclor-1262	SVOA-GC07	B	08/03/24 20:12
513228-003	Aroclor-1268	SVOA-GC07	B	08/03/24 20:12
513228-003	TCMX (PCB)	SVOA-GC07	B	08/03/24 20:12
513228-003	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 20:12
513228-005	Aroclor-1016	SVOA-GC07	B	08/03/24 20:30
513228-005	Aroclor-1221	SVOA-GC07	B	08/03/24 20:30
513228-005	Aroclor-1232	SVOA-GC07	B	08/03/24 20:30
513228-005	Aroclor-1242	SVOA-GC07	B	08/03/24 20:30
513228-005	Aroclor-1248	SVOA-GC07	B	08/03/24 20:30
513228-005	Aroclor-1254	SVOA-GC07	B	08/03/24 20:30
513228-005	Aroclor-1260	SVOA-GC07	B	08/03/24 20:30
513228-005	Aroclor-1262	SVOA-GC07	B	08/03/24 20:30
513228-005	Aroclor-1268	SVOA-GC07	B	08/03/24 20:30

REPORTING SUMMARY FOR 513228 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
513228-005	TCMX (PCB)	SVOA-GC07	B	08/03/24 20:30
513228-005	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 20:30
513228-007	Aroclor-1016	SVOA-GC07	B	08/03/24 20:47
513228-007	Aroclor-1221	SVOA-GC07	B	08/03/24 20:47
513228-007	Aroclor-1232	SVOA-GC07	B	08/03/24 20:47
513228-007	Aroclor-1242	SVOA-GC07	B	08/03/24 20:47
513228-007	Aroclor-1248	SVOA-GC07	B	08/03/24 20:47
513228-007	Aroclor-1254	SVOA-GC07	B	08/03/24 20:47
513228-007	Aroclor-1260	SVOA-GC07	B	08/03/24 20:47
513228-007	Aroclor-1262	SVOA-GC07	B	08/03/24 20:47
513228-007	Aroclor-1268	SVOA-GC07	B	08/03/24 20:47
513228-007	TCMX (PCB)	SVOA-GC07	B	08/03/24 20:47
513228-007	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 20:47
513228-009	Aroclor-1016	SVOA-GC07	B	08/03/24 21:05
513228-009	Aroclor-1221	SVOA-GC07	B	08/03/24 21:05
513228-009	Aroclor-1232	SVOA-GC07	B	08/03/24 21:05
513228-009	Aroclor-1242	SVOA-GC07	B	08/03/24 21:05
513228-009	Aroclor-1248	SVOA-GC07	B	08/03/24 21:05
513228-009	Aroclor-1254	SVOA-GC07	B	08/03/24 21:05
513228-009	Aroclor-1260	SVOA-GC07	B	08/03/24 21:05
513228-009	Aroclor-1262	SVOA-GC07	B	08/03/24 21:05
513228-009	Aroclor-1268	SVOA-GC07	B	08/03/24 21:05
513228-009	TCMX (PCB)	SVOA-GC07	B	08/03/24 21:05
513228-009	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 21:05
QC1174809	Aroclor-1016	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1221	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1232	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1242	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1248	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1254	SVOA-GC07	B	08/03/24 17:00

REPORTING SUMMARY FOR 513228 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1174809	Aroclor-1260	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1262	SVOA-GC07	B	08/03/24 17:00
QC1174809	Aroclor-1268	SVOA-GC07	B	08/03/24 17:00
QC1174809	TCMX (PCB)	SVOA-GC07	B	08/03/24 17:00
QC1174809	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 17:00
QC1174810	Aroclor-1016	SVOA-GC07	B	08/03/24 17:17
QC1174810	Aroclor-1260	SVOA-GC07	B	08/03/24 17:17
QC1174810	TCMX (PCB)	SVOA-GC07	B	08/03/24 17:17
QC1174810	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 17:17
QC1174811	Aroclor-1016	SVOA-GC07	B	08/03/24 17:35
QC1174811	Aroclor-1260	SVOA-GC07	B	08/03/24 17:35
QC1174811	TCMX (PCB)	SVOA-GC07	B	08/03/24 17:35
QC1174811	Decachlorobiphenyl (PCB)	SVOA-GC07	B	08/03/24 17:35

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 513228-001	Client ID: DOOR-S-15.8GW-PS-21-240731-P-G
Seqnum: 464311880022	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_080324022	Batch: 346727	Time: 03-AUG-2024 19:55
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	34.70	ug/L	ND	1.3	116%	0.50		u
Aroclor-1016 Peak # 1	B	27.43	ug/L	0.27	0.39	34%			
Aroclor-1016 Peak # 2	B	3.207	ug/L	0.03	0.08	82%			
Aroclor-1016 Peak # 3	B	139.8	ug/L	1.40	1.94	32%			
Aroclor-1016 Peak # 4	B	1.105	ug/L	0.01	0.91	195%			
Aroclor-1016 Peak # 5	B	1.931	ug/L	0.02	3.24	198%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	25.33	ug/L	ND	0.51	68%	0.50		u
Aroclor-1260 Peak # 1	B	43.50	ug/L	0.44	0.82	62%			
Aroclor-1260 Peak # 2	B	4.492	ug/L	0.04	0.02	76%			
Aroclor-1260 Peak # 3	B	9.874	ug/L	0.10	ND				
Aroclor-1260 Peak # 4	B	24.04	ug/L	0.24	1.08	127%			
Aroclor-1260 Peak # 5	B	44.76	ug/L	0.45	0.63	34%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.35	pg/uL	0.5000	0.3535	71	19-121	u
Decachlorobiphenyl (PCB)	B	32.51	pg/uL	0.5000	0.3251	65	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	7976845	-1.78
1-bromo-2-nitrobenzene (PCB)	A	35201723	33595639	-4.56

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

08/05/24 : SOIL/10G-10ML

u=use

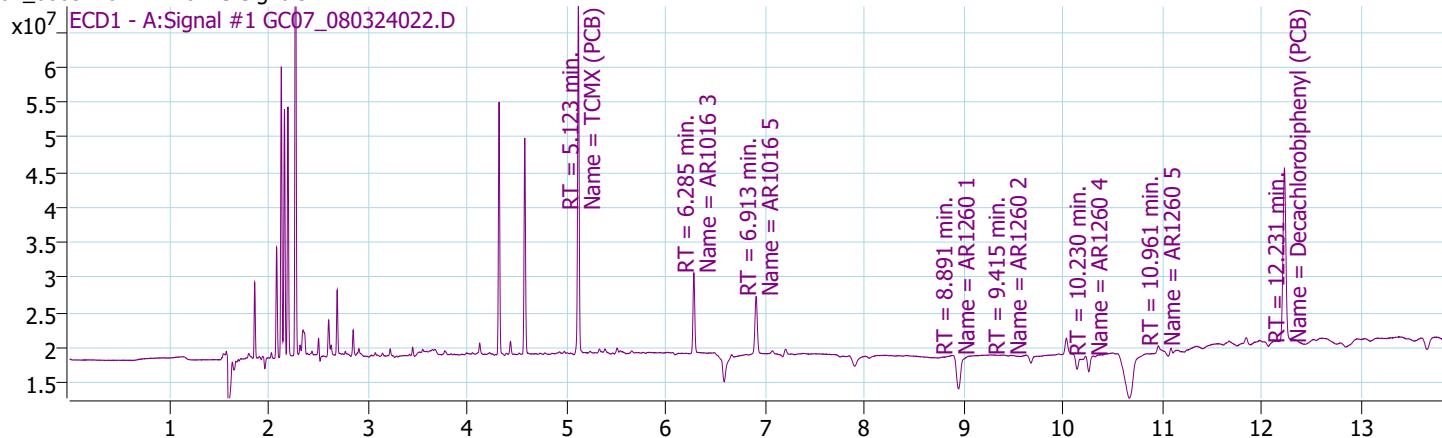
Analyst: MES 08/05/24

Reviewer: BLB 08/07/24

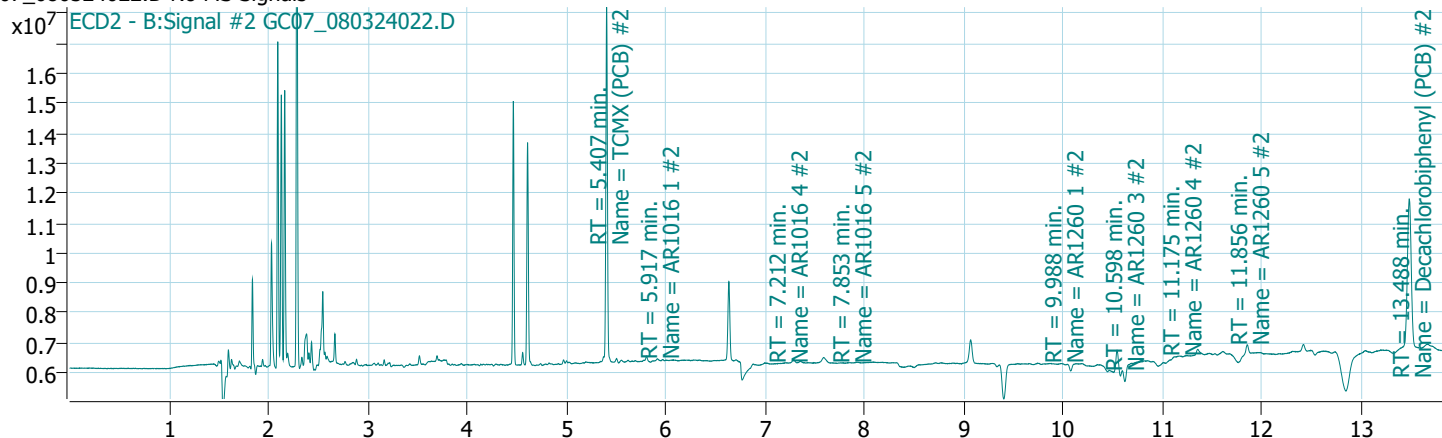
Quantitation Results Report (Not Reviewed)

Data File	GC07_080324022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 7:55:13 PM
Sample Name	513228-001, 346569, 1	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_080324022.D No MS Signals



GC07_080324022.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	33595639.289	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	7976844.542	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	53734683.607	34.1440	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.72%	*	
S TCMX (PCB) #2	5.407	0.0	13525824.073	35.3515	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.76%	*	
S Decachlorobiphenyl (PCB)	12.231	0.0	53319917.976	28.7862	ng/ml	0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.93%		
S Decachlorobiphenyl (PCB) #2	13.488	0.0	14167497.251	32.5110	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.55%	*	

Target Compounds

QValue

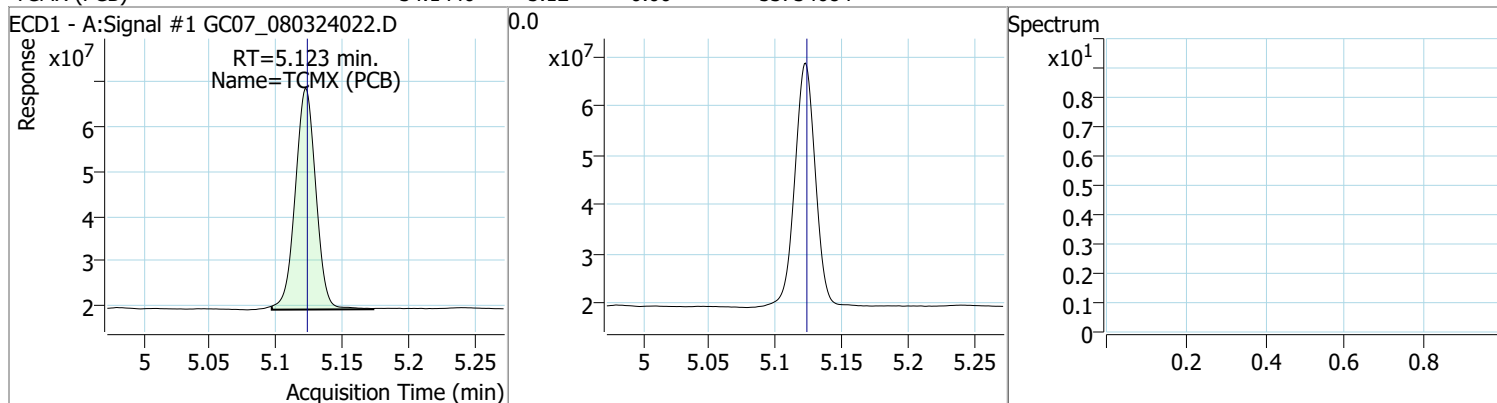
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.513	0.0	1139596.66 3	38.8070	ng/ml	100
T AR1016 2	5.830	0.0	469538.031	7.6967	ng/ml	100
T AR1016 1 #2	5.917	0.0	231037.644	27.4314	ng/ml	100
T AR1016 3	6.285	0.0	14764003.8 70	194.0619	ng/ml	100
T AR1016 2 #2	6.339	0.0	55800.824	3.2067	ng/ml	100
T AR1016 4	6.326	0.0	4662786.40 4	91.3435	ng/ml	100
T AR1016 3 #2	6.998	0.0	3034916.76 7	139.8398	ng/ml	100
T AR1016 5	6.913	0.0	14539021.4 15	324.0228	ng/ml	100
T AR1016 4 #2	7.212	0.0	17727.275	1.1050	ng/ml	100
T AR1016 5 #2	7.853	0.0	25059.125	1.9312	ng/ml	100
T AR1260 1	8.891	0.0	7406447.81 4	82.3012	ng/ml	100
T AR1260 2	9.415	0.0	277907.287	2.0220	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.988	0.0	1003943.50 4	43.5028	ng/ml	100
T AR1260 2 #2	10.196	0.0	130240.734	4.4923	ng/ml	100
T AR1260 4	10.230	0.0	9275422.48 8	108.4896	ng/ml	100
T AR1260 3 #2	10.598	0.0	344585.338	9.8743	ng/ml	100
T AR1260 5	10.961	0.0	6463476.18 2	63.1334	ng/ml	100
T AR1260 4 #2	11.175	0.0	530374.299	24.0354	ng/ml	100
T AR1260 5 #2	11.856	0.0	1466184.99 9	44.7563	ng/ml	100

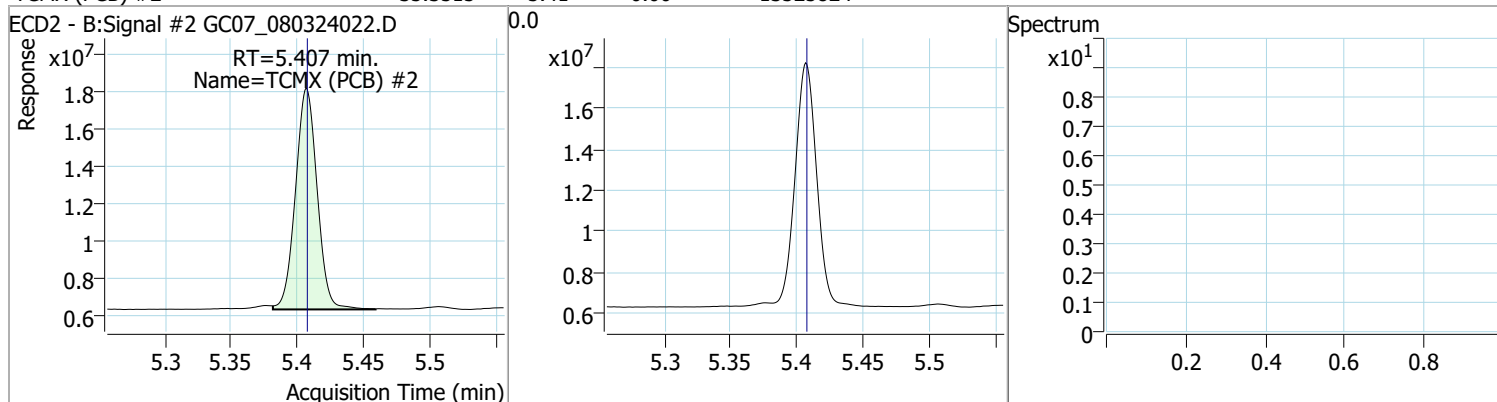
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

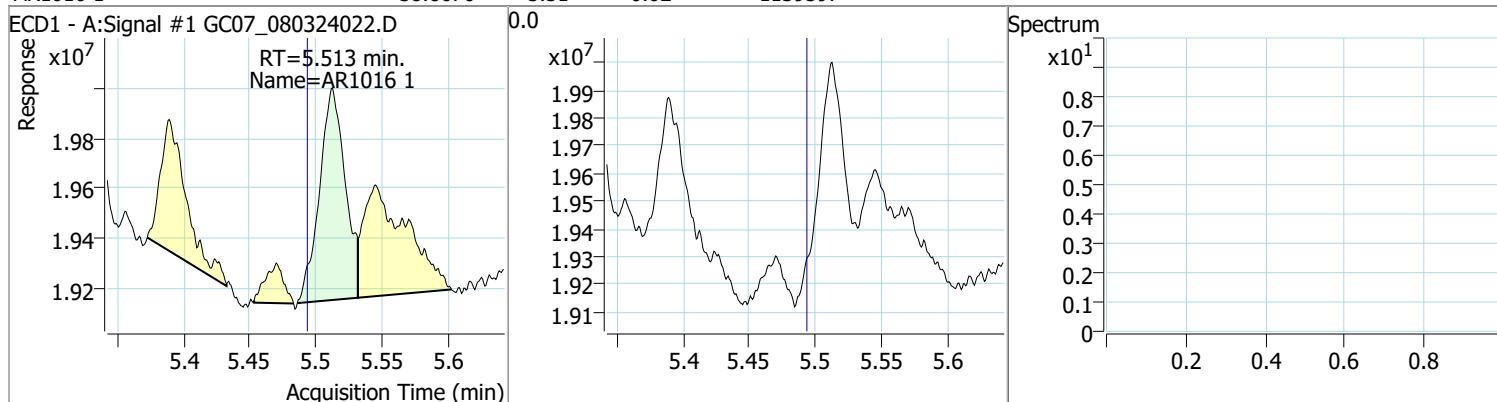
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.1440	5.12	0.00	53734684				



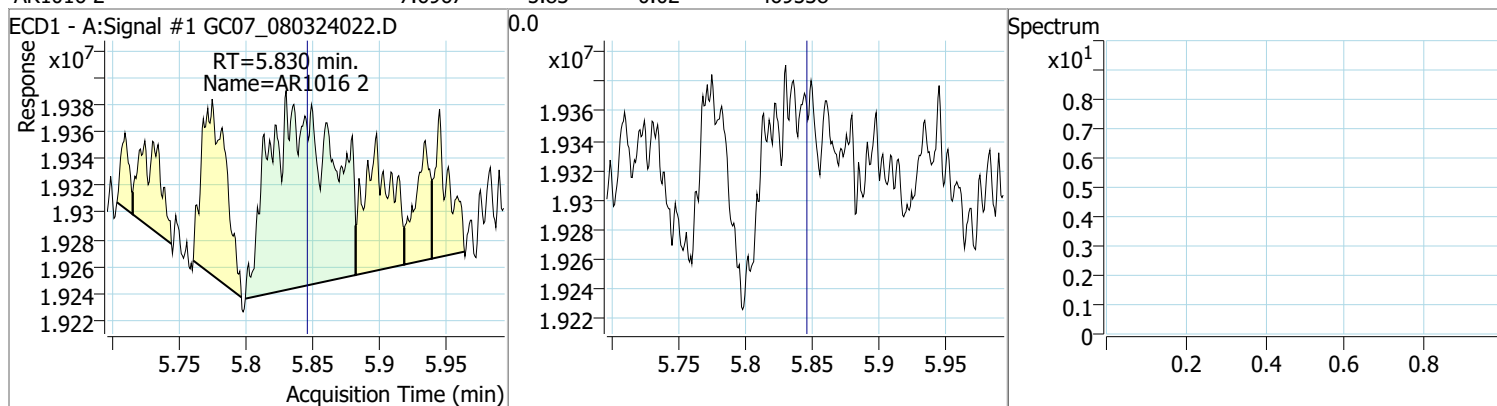
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.3515	5.41	0.00	13525824				



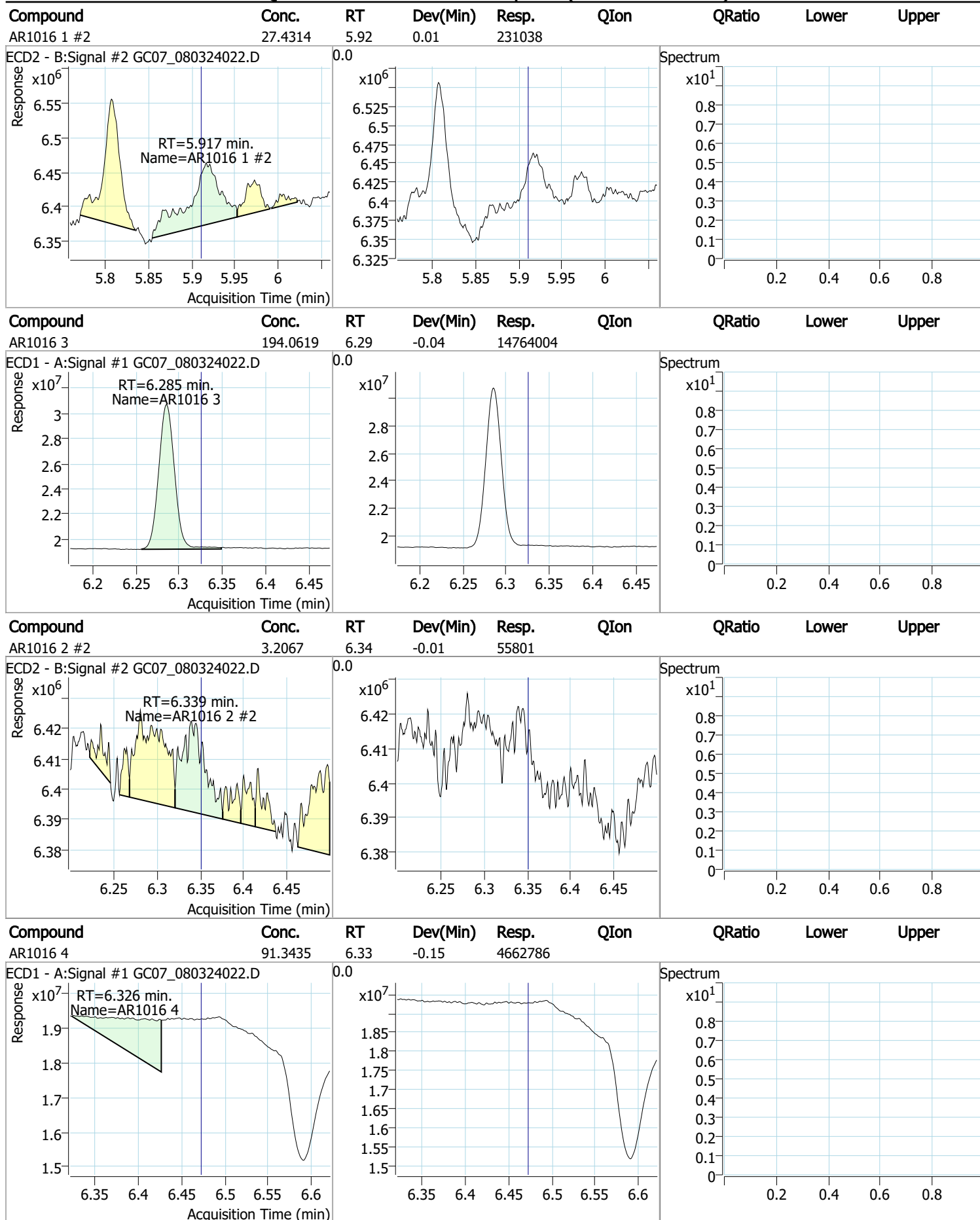
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	38.8070	5.51	0.02	1139597				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.6967	5.83	-0.02	469538				

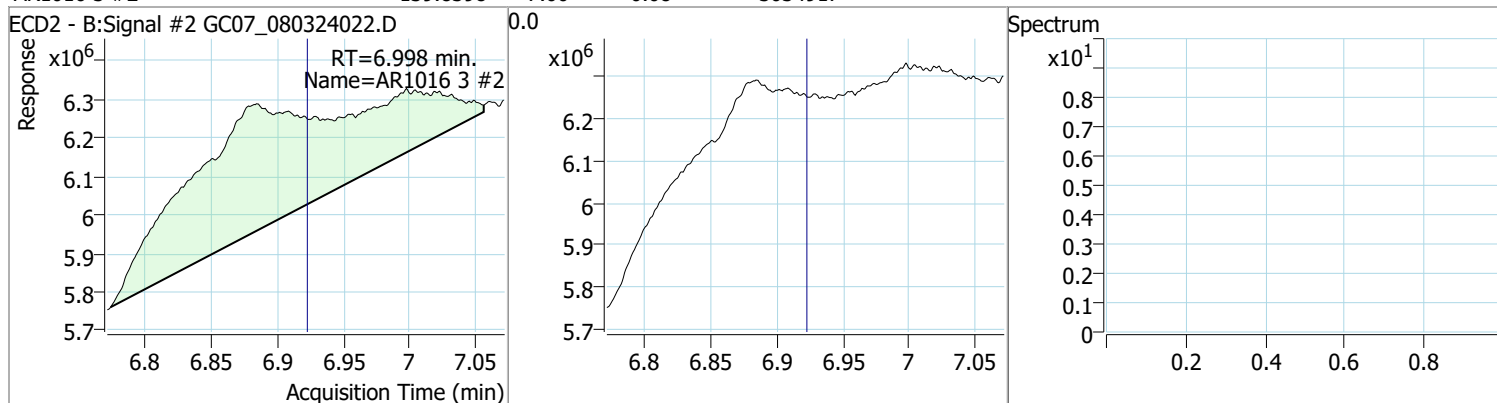


Quantitation Results Report (Not Reviewed)

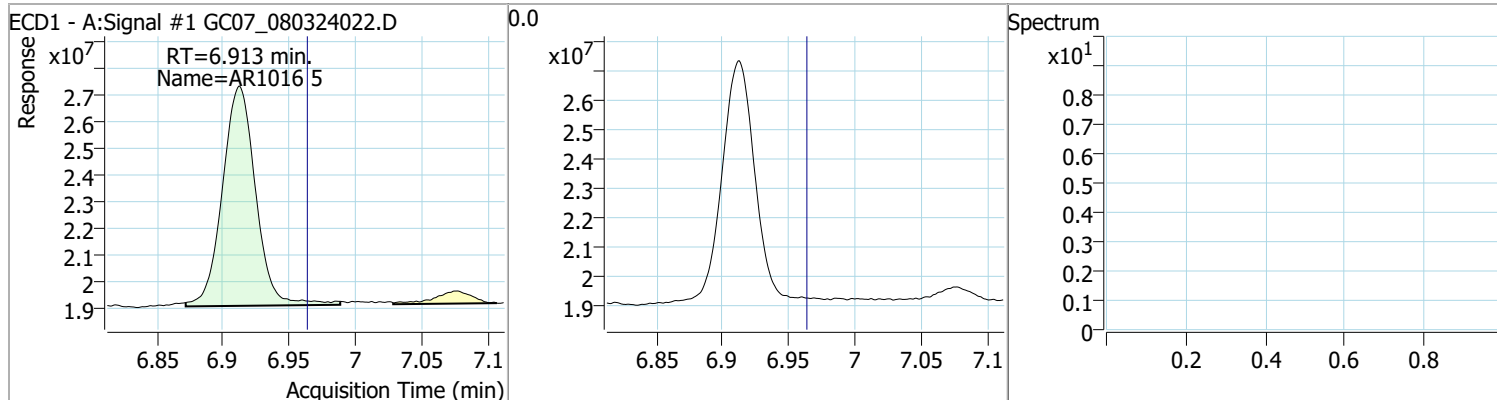


Quantitation Results Report (Not Reviewed)

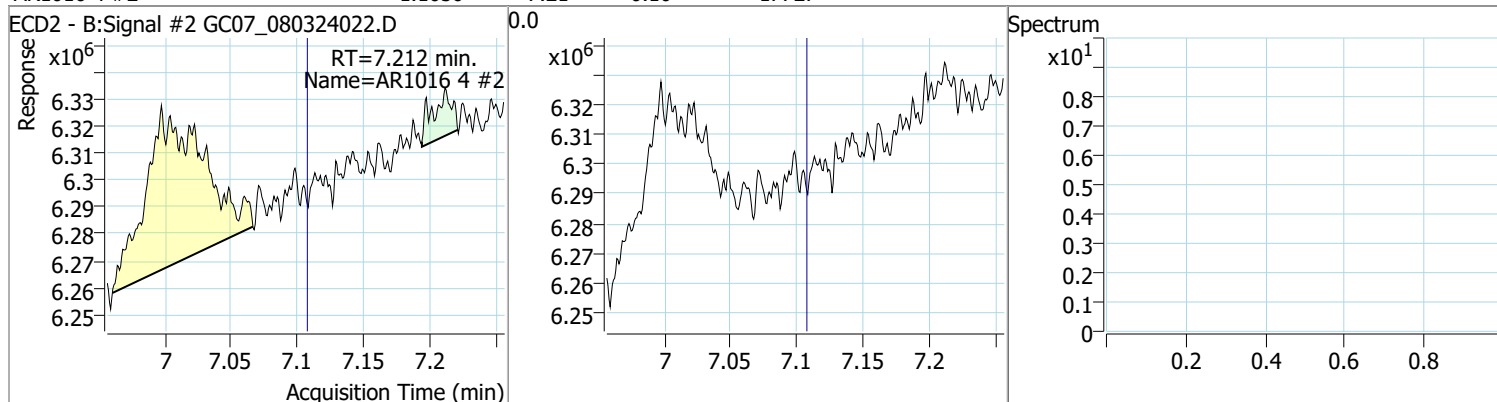
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	139.8398	7.00	0.08	3034917				



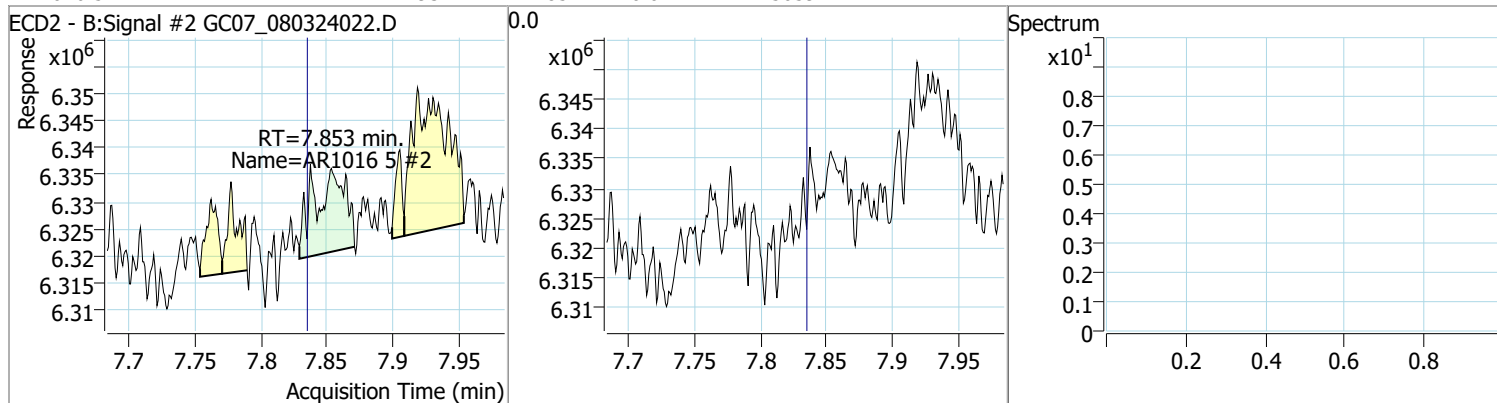
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	324.0228	6.91	-0.05	14539021				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.1050	7.21	0.10	17727				

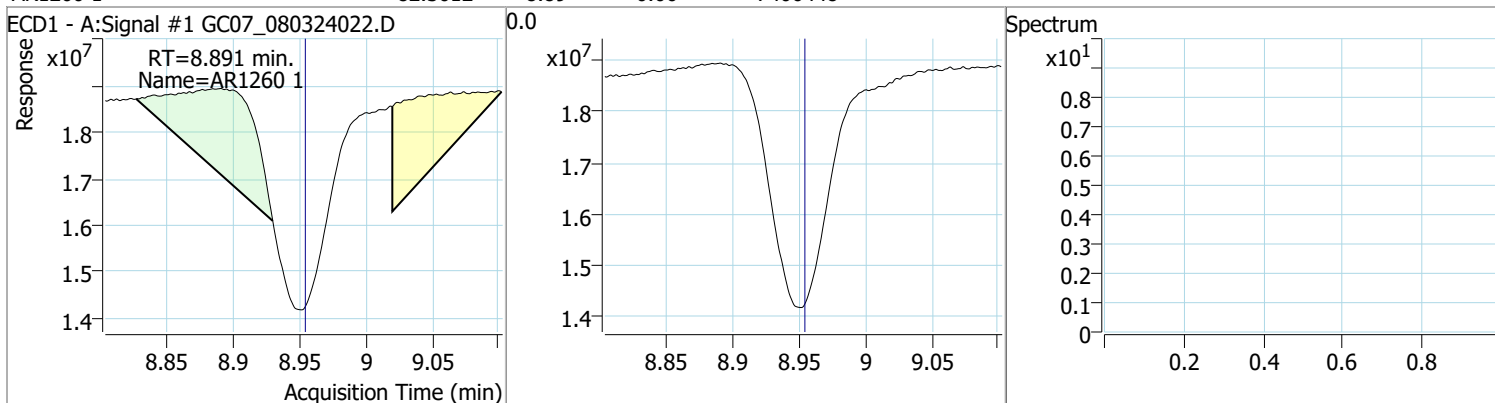


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.9312	7.85	0.02	25059				

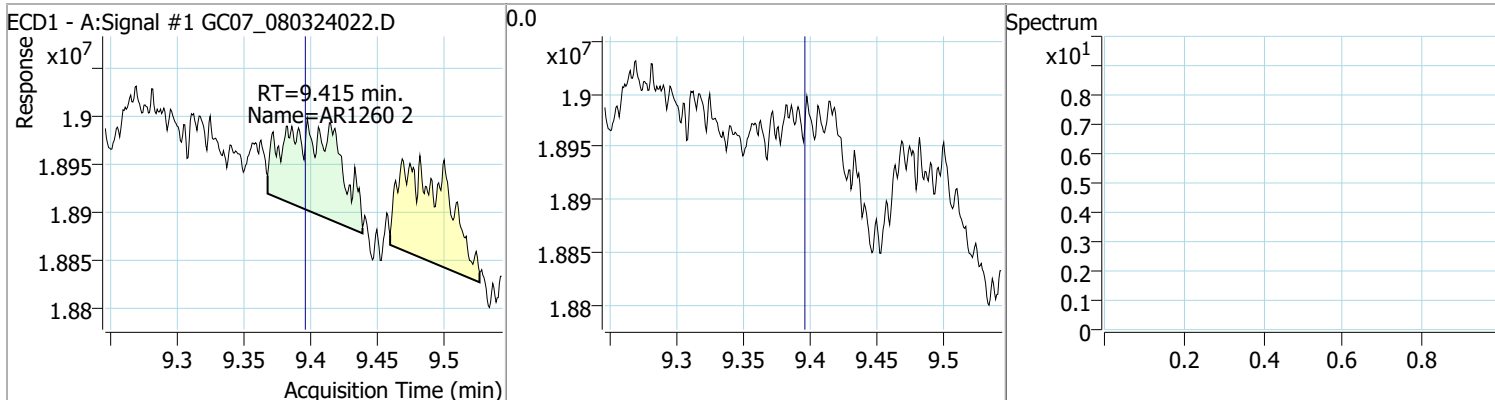


Quantitation Results Report (Not Reviewed)

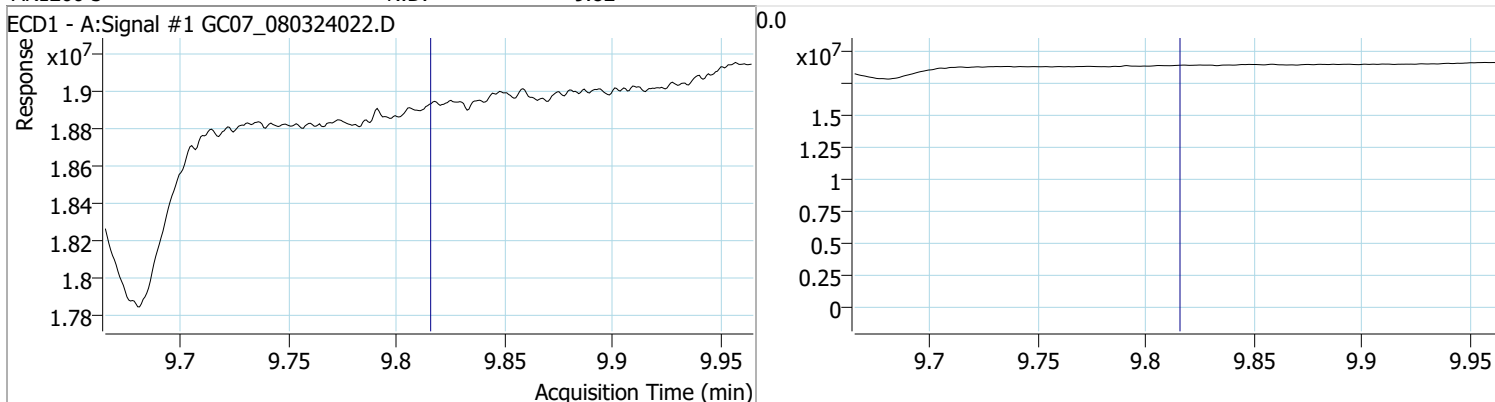
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	82.3012	8.89	-0.06	7406448				



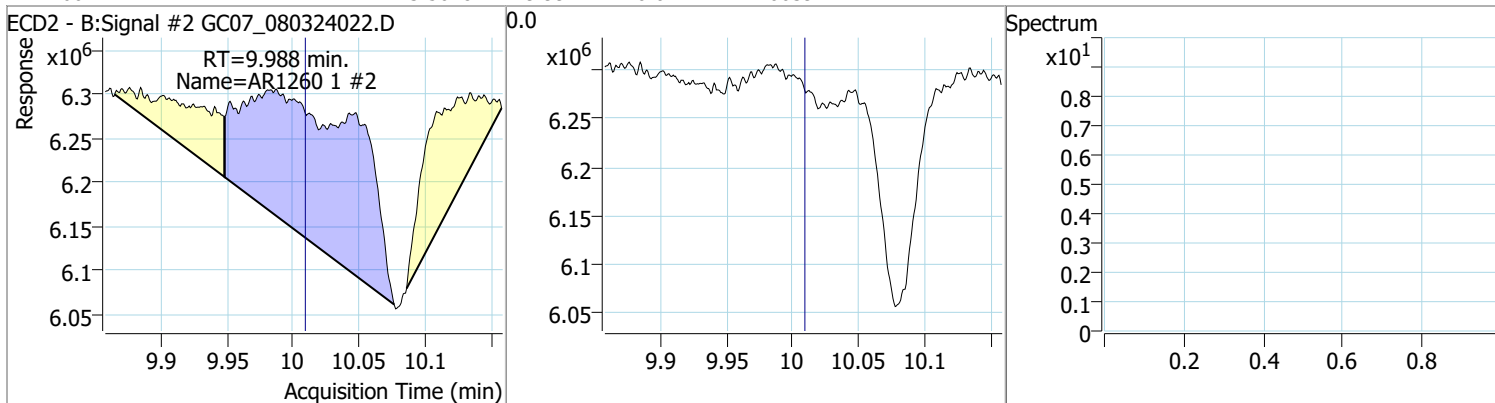
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.0220	9.42	0.02	277907				



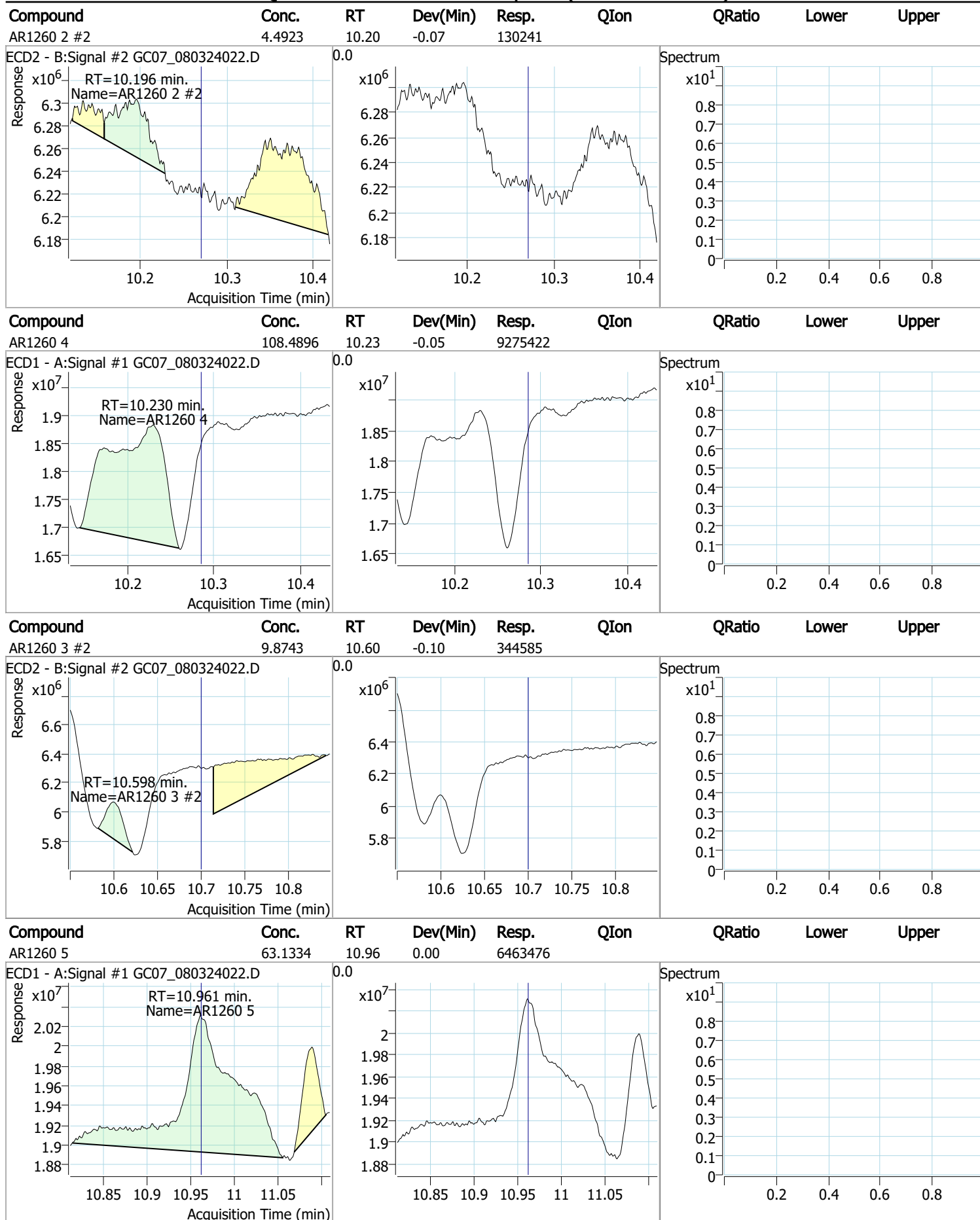
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.82		



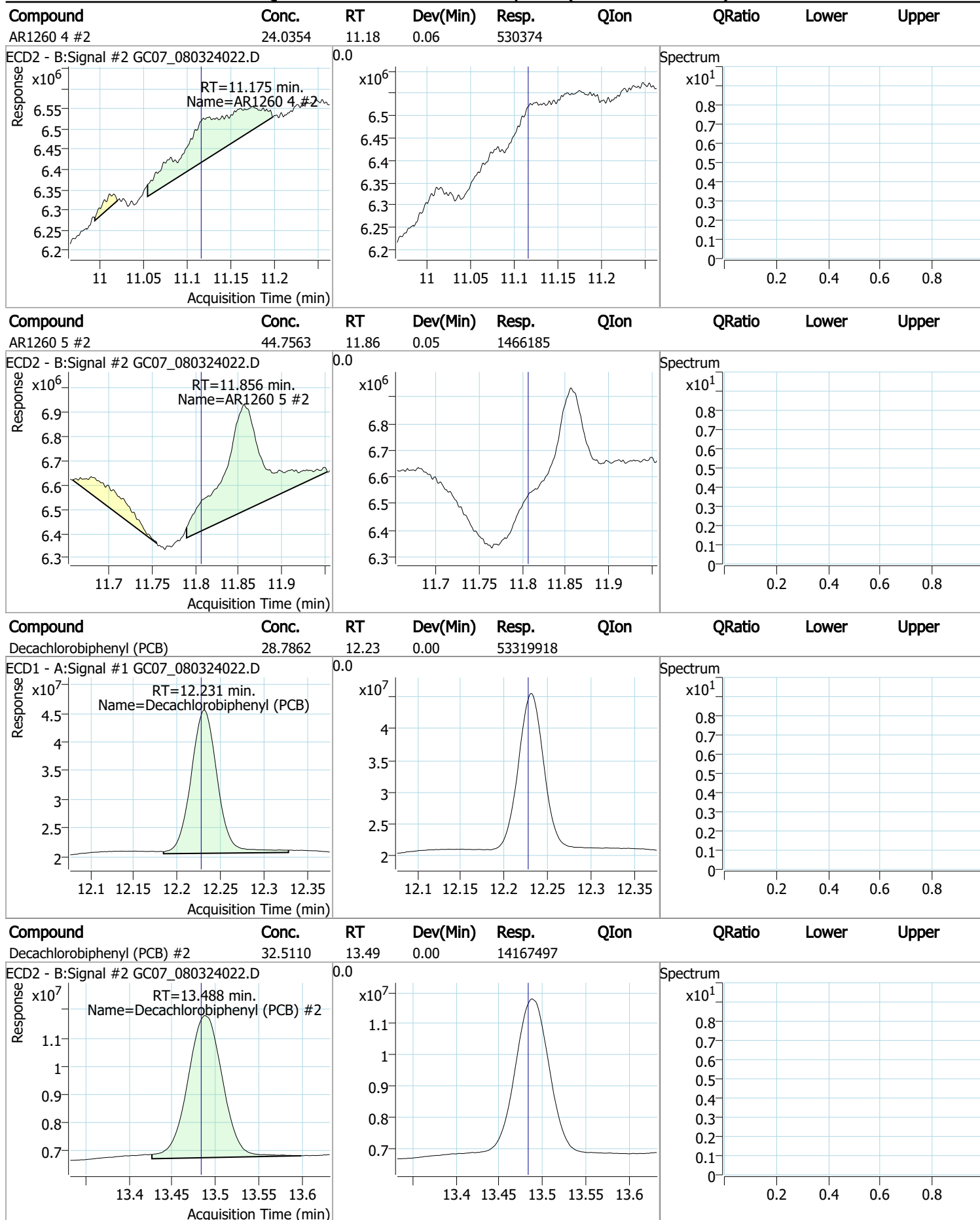
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	43.5028	9.99	-0.02	1003944				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 513228-003	Client ID: DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA
Seqnum: 464311880023	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_080324023	Batch: 346727	Time: 03-AUG-2024 20:12
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	73.53	ug/L	0.74 ^{FP}	1.8	85%	0.50		x u
Aroclor-1016 Peak # 1	B	141.8	ug/L	1.42	0.88	47%			
Aroclor-1016 Peak # 2	B	2.552	ug/L	0.03	0.18	150%			
Aroclor-1016 Peak # 3	B	218.6	ug/L	2.19	0.97	77%			
Aroclor-1016 Peak # 4	B	1.107	ug/L	0.01	6.68	199%			
Aroclor-1016 Peak # 5	B	3.562	ug/L	0.04	0.35	163%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	27.74	ug/L	ND	0.69	86%	0.50		u
Aroclor-1260 Peak # 1	B	57.16	ug/L	0.57	1.48	89%			
Aroclor-1260 Peak # 2	B	12.10	ug/L	0.12	0.03	111%			
Aroclor-1260 Peak # 3	B	10.84	ug/L	0.11	0.01	168%			
Aroclor-1260 Peak # 4	B	12.37	ug/L	0.12	1.10	160%			
Aroclor-1260 Peak # 5	B	46.21	ug/L	0.46	0.85	59%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.64	pg/uL	0.5000	0.3764	75	19-121	u
Decachlorobiphenyl (PCB)	B	37.31	pg/uL	0.5000	0.3731	75	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	7788998	-4.09
1-bromo-2-nitrobenzene (PCB)	A	35201723	33475728	-4.90

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

08/05/24 : SOIL/10G-10ML

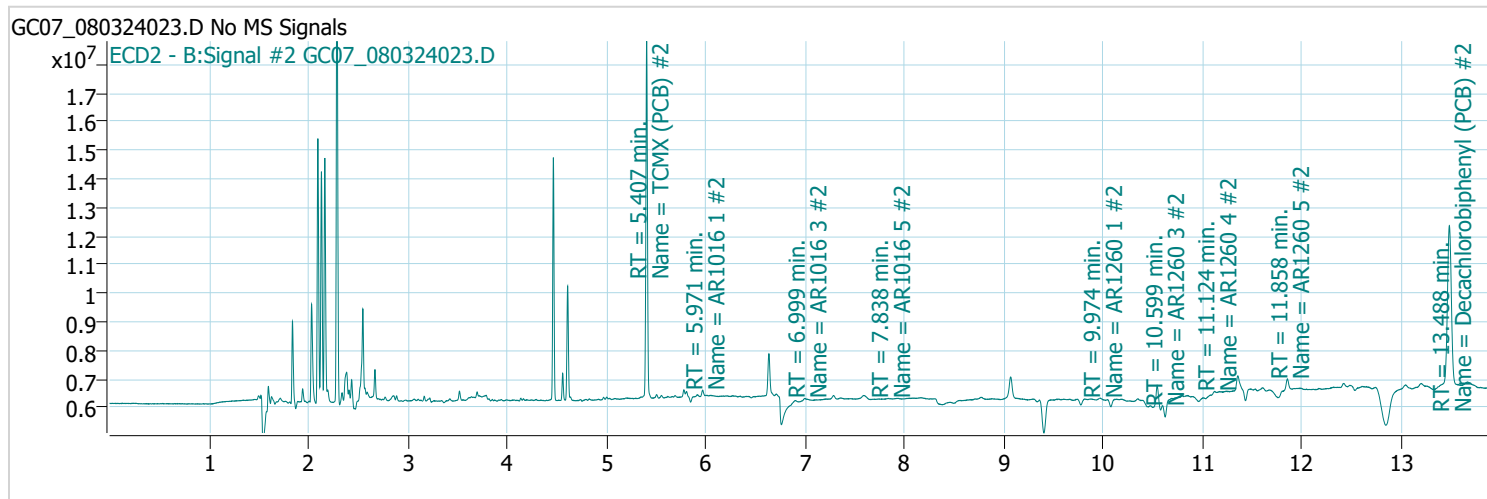
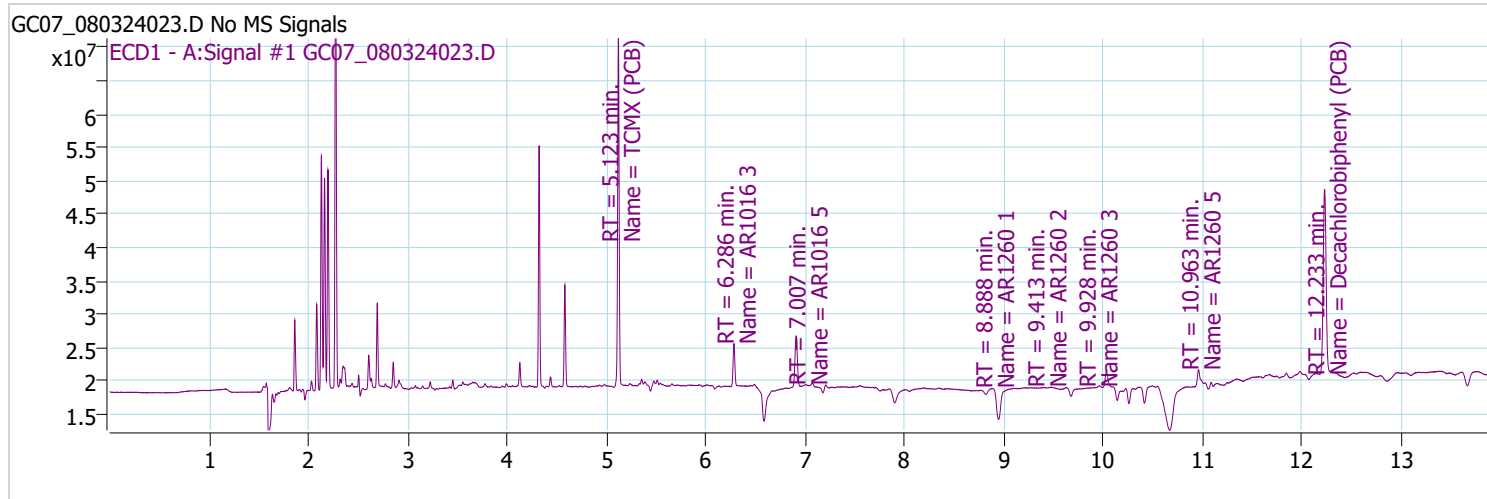
u=use x=false positive

Analyst: MES 08/05/24

Reviewer: BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 8:12:43 PM
Sample Name	513228-003, 346569, 1	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	33475727.5 44	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	7788997.73 9	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	56582480.6 46	36.0823	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.41%	*	
S TCMX (PCB) #2	5.407	0.0	14063190.6 30	37.6425	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.21%	*	
S Decachlorobiphenyl (PCB)	12.233	0.0	61034207.7 22	33.0690	ng/ml	0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.35%	*	
S Decachlorobiphenyl (PCB) #2	13.488	0.0	15877971.6 10	37.3148	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.57%	*	

Target Compounds

QValue

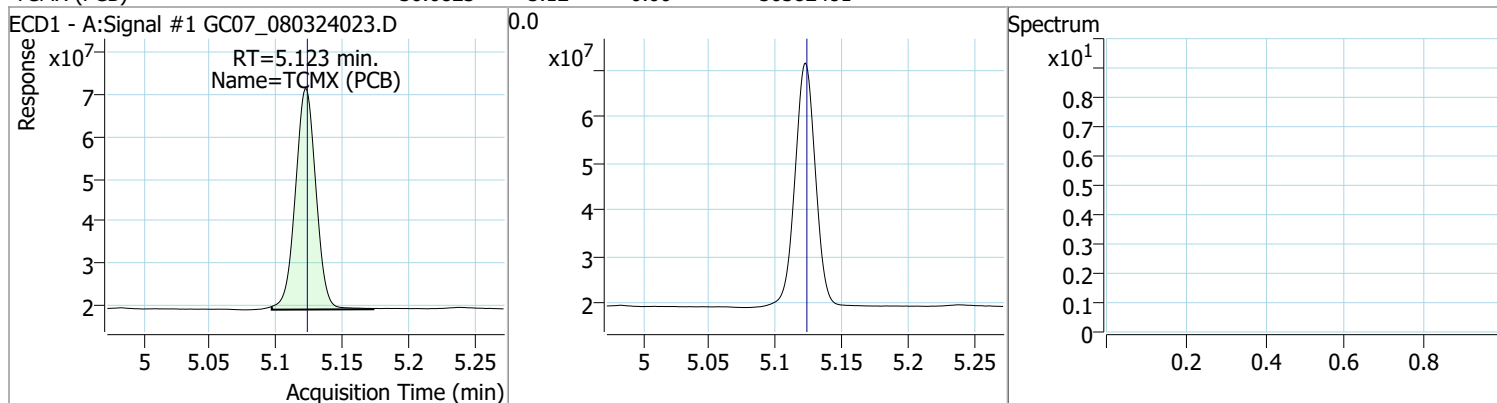
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.479	0.0	2574717.44 4	87.9915	ng/ml	100
T AR1016 2	5.848	0.0	1097274.43 1	18.0511	ng/ml	100
T AR1016 1 #2	5.971	0.0	1166452.27 5	141.8344	ng/ml	100
T AR1016 3	6.286	0.0	8103962.95 8	97.4447	ng/ml	100
T AR1016 2 #2	6.349	0.0	43365.475	2.5522	ng/ml	100
T AR1016 4	6.490	0.0	33990067.9 67	668.2471	ng/ml	100
T AR1016 3 #2	6.999	0.0	4632444.20 1	218.5967	ng/ml	100
T AR1016 5	7.007	0.0	1572514.07 1	35.1713	ng/ml	100
T AR1016 4 #2	7.119	0.0	17347.967	1.1074	ng/ml	100
T AR1016 5 #2	7.838	0.0	45127.085	3.5617	ng/ml	100
T AR1260 1	8.888	0.0	13283033.6 61	148.1311	ng/ml	100
T AR1260 2	9.413	0.0	472426.556	3.4495	ng/ml	100
T AR1260 3	9.928	0.0	141075.739	0.9574	ng/ml	100
T AR1260 1 #2	9.974	0.0	1288026.35 7	57.1587	ng/ml	100
T AR1260 2 #2	10.353	0.0	342442.485	12.0966	ng/ml	100
T AR1260 4	10.232	0.0	9359068.06 4	109.8601	ng/ml	100
T AR1260 3 #2	10.599	0.0	369347.500	10.8391	ng/ml	100
T AR1260 5	10.963	0.0	8669523.13 5	84.9847	ng/ml	100
T AR1260 4 #2	11.124	0.0	266594.350	12.3728	ng/ml	100
T AR1260 5 #2	11.858	0.0	1478311.78 0	46.2148	ng/ml	100

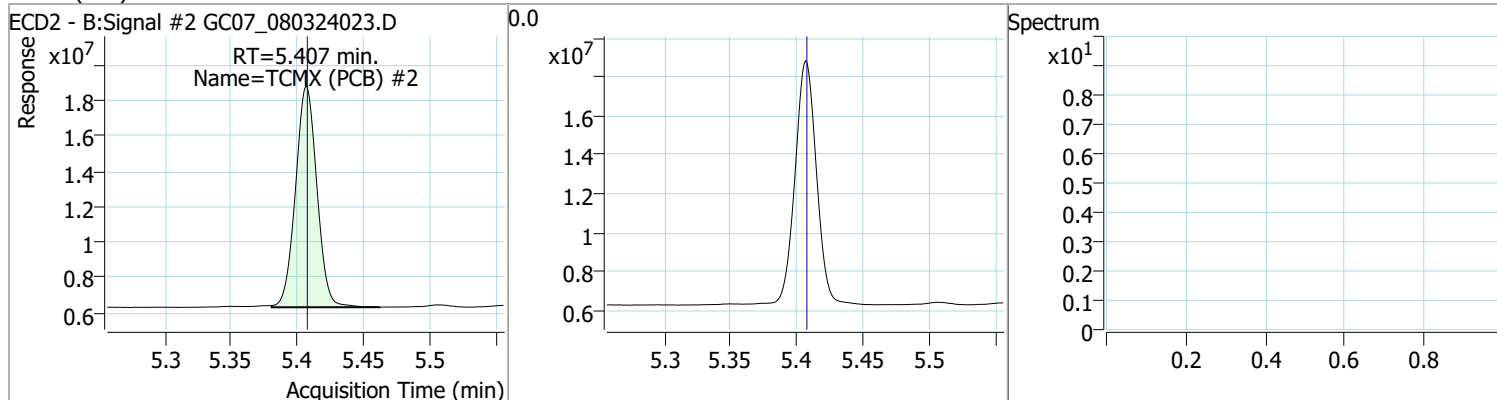
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

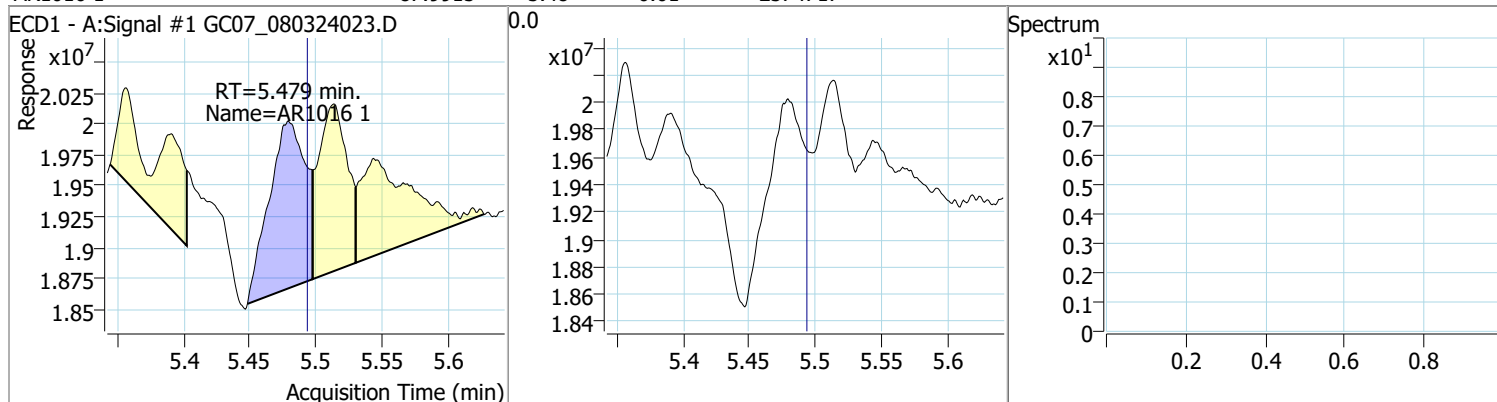
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.0823	5.12	0.00	56582481				



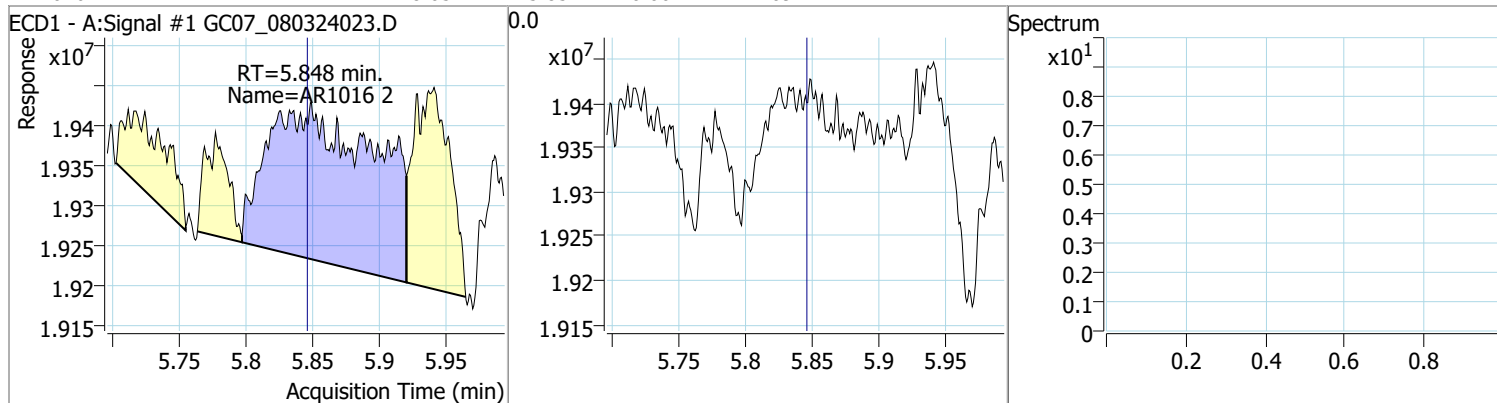
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.6425	5.41	0.00	14063191				



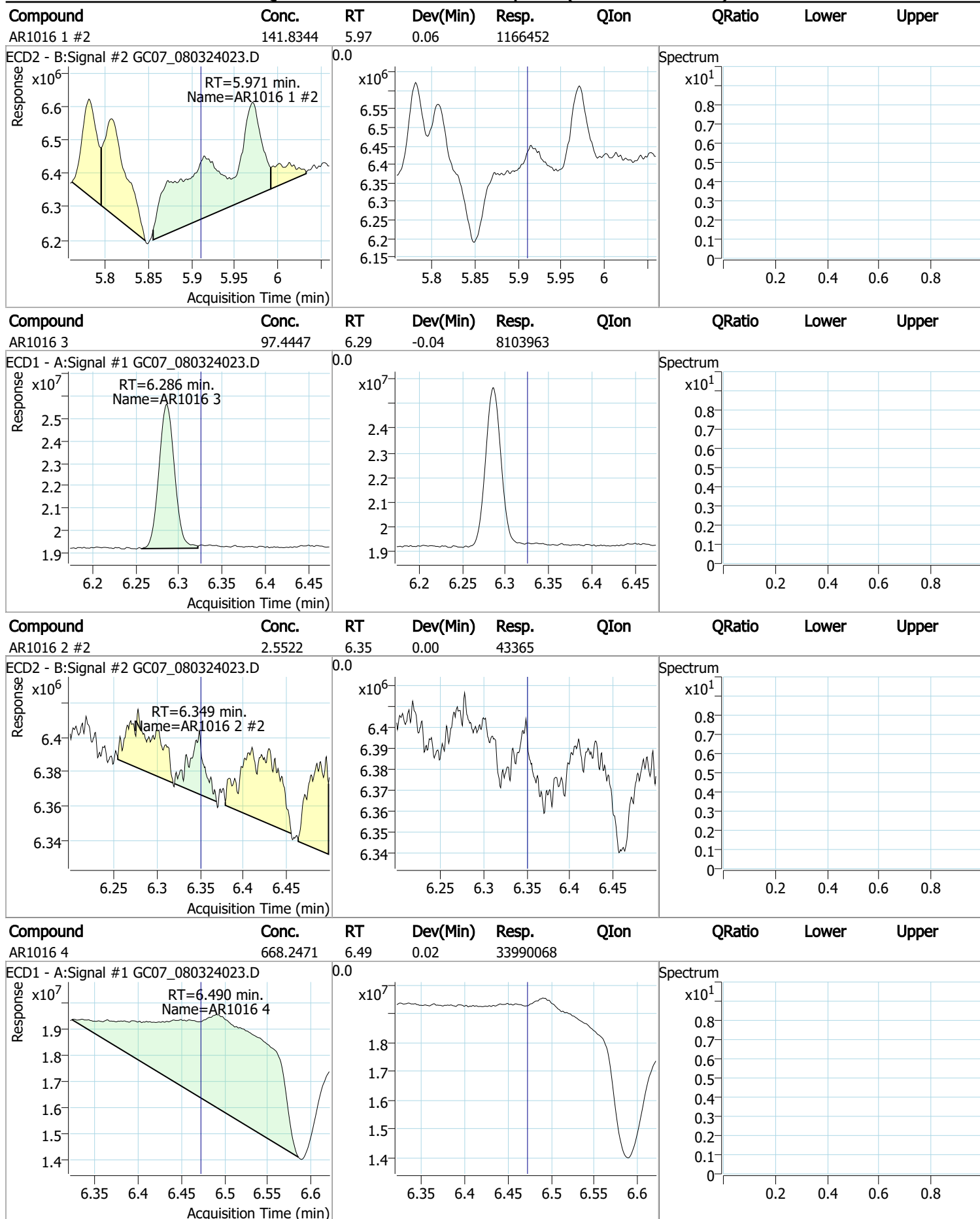
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	87.9915	5.48	-0.01	2574717				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	18.0511	5.85	0.00	1097274				

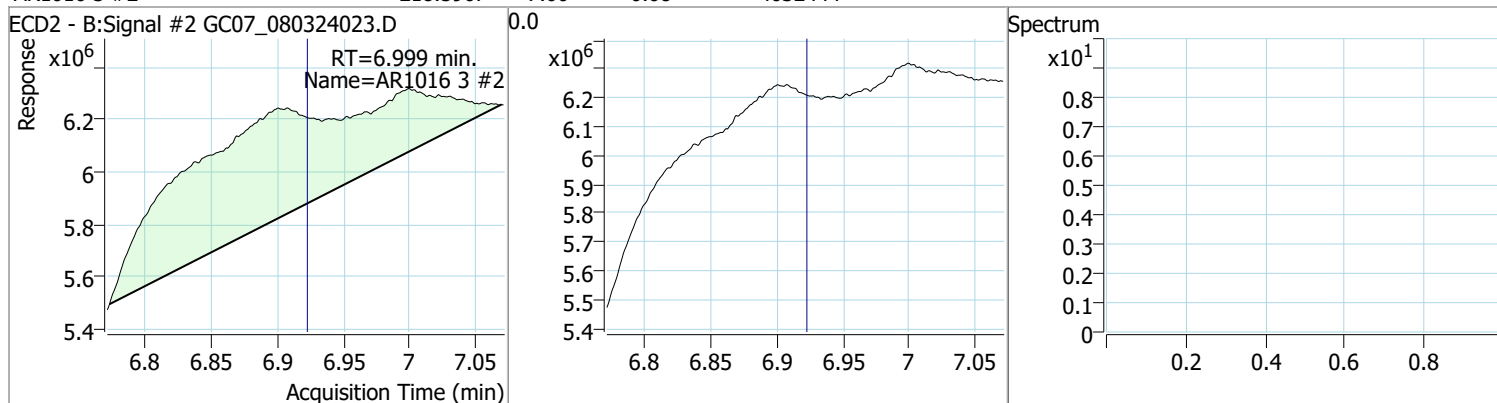


Quantitation Results Report (Not Reviewed)

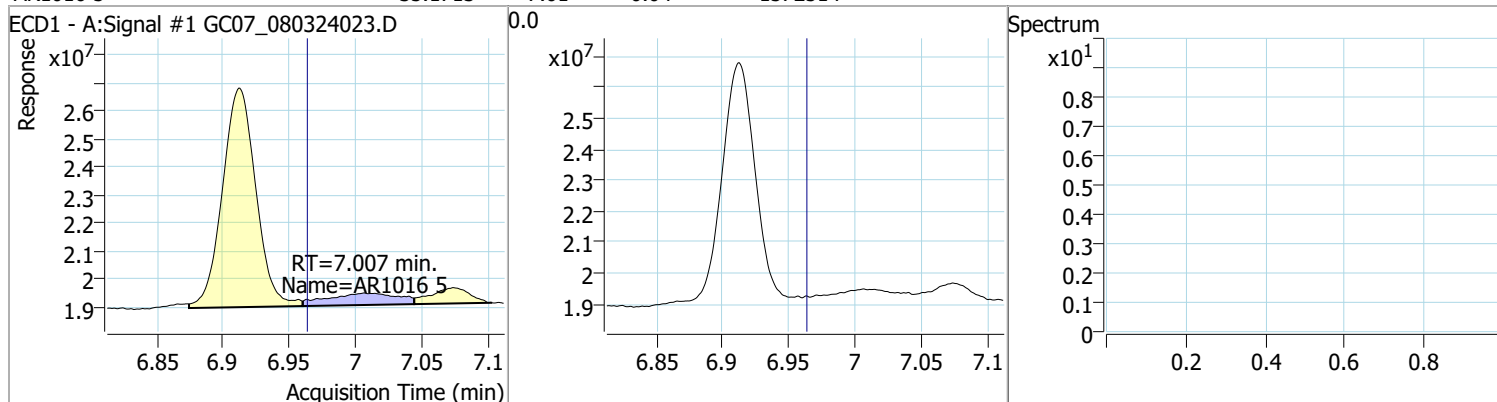


Quantitation Results Report (Not Reviewed)

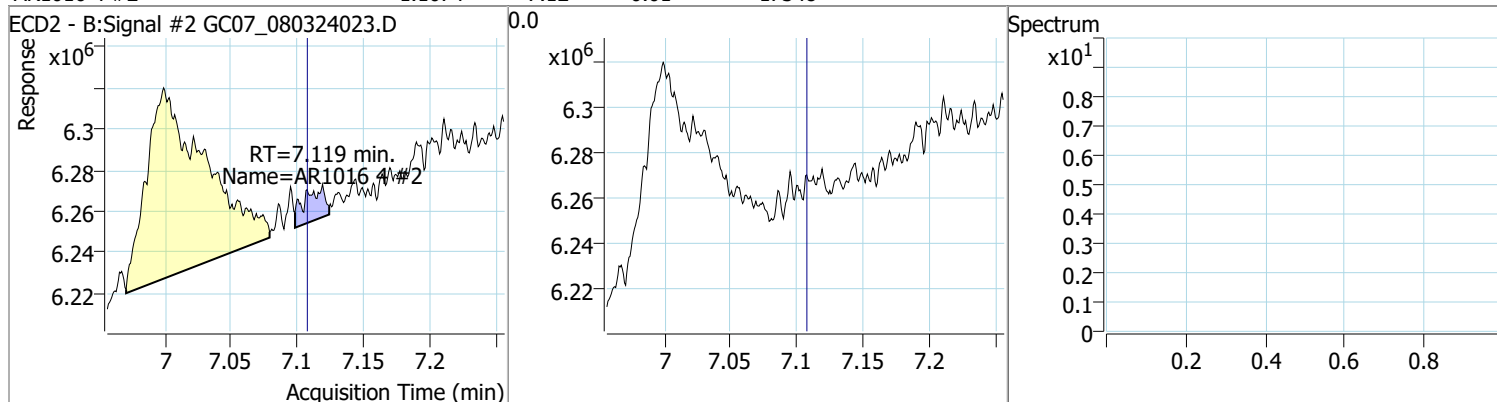
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	218.5967	7.00	0.08	4632444				



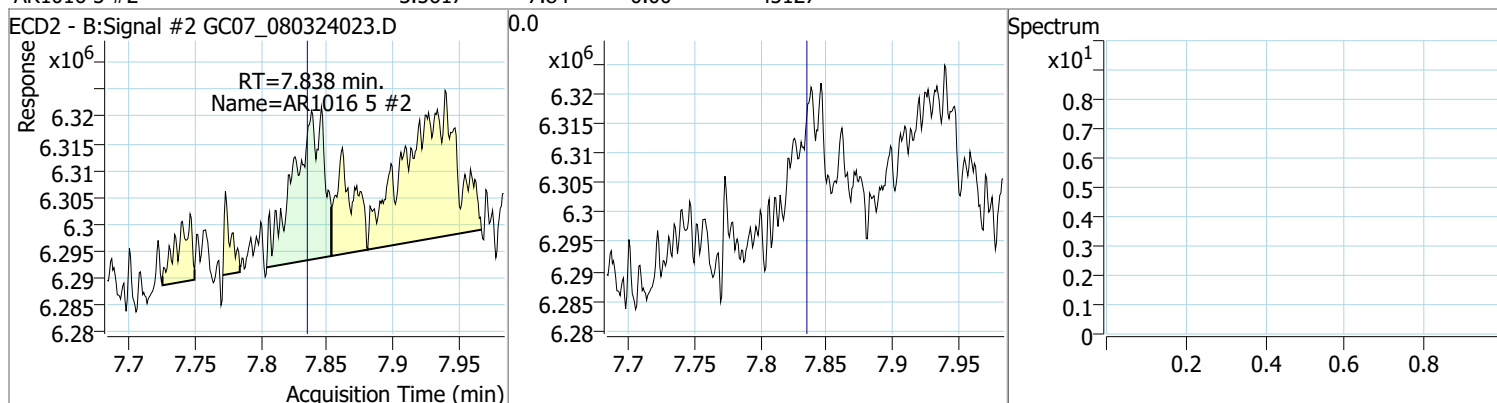
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	35.1713	7.01	0.04	1572514				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.1074	7.12	0.01	17348				

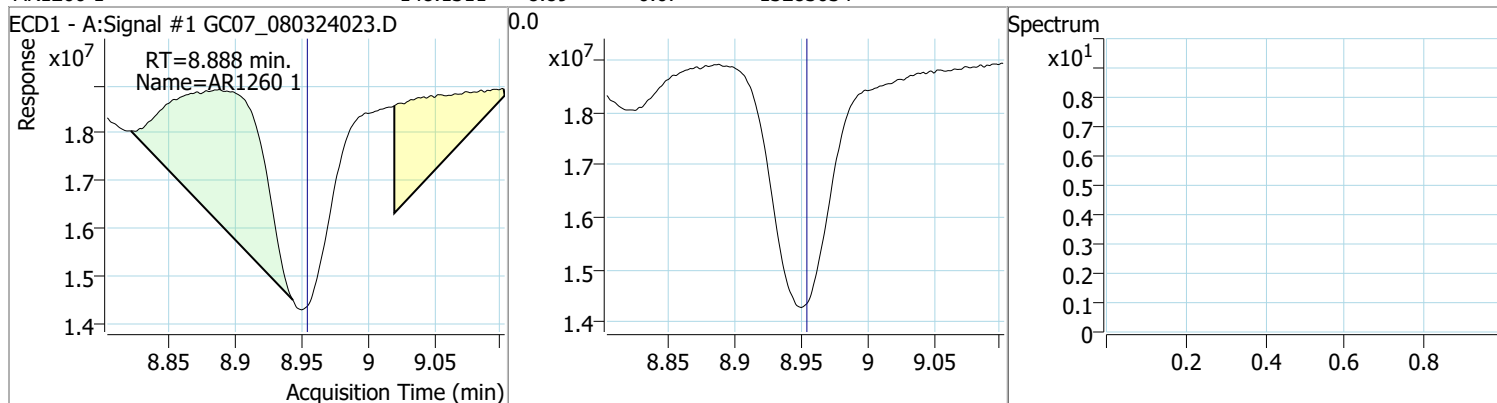


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.5617	7.84	0.00	45127				

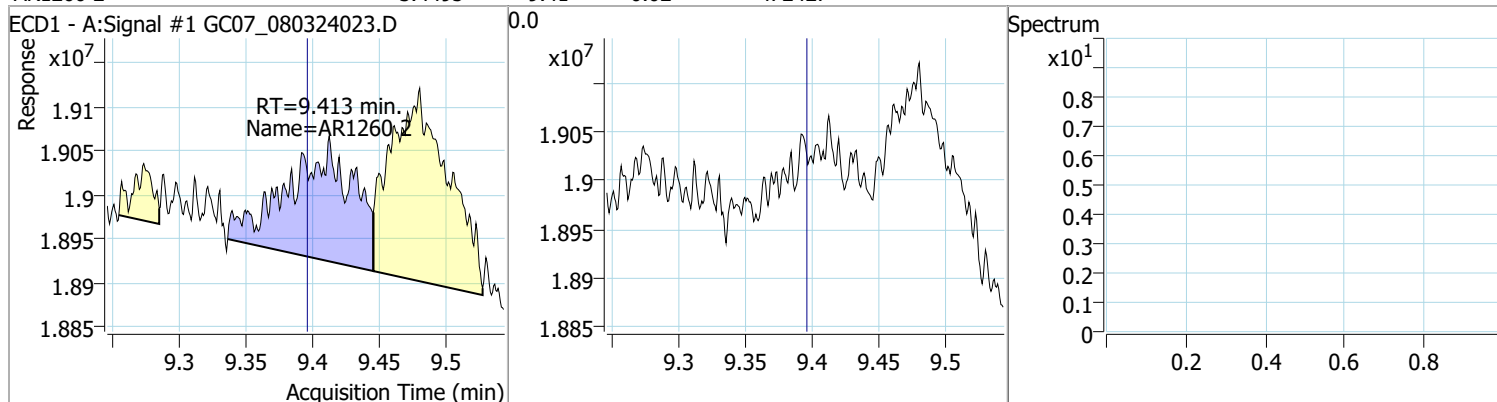


Quantitation Results Report (Not Reviewed)

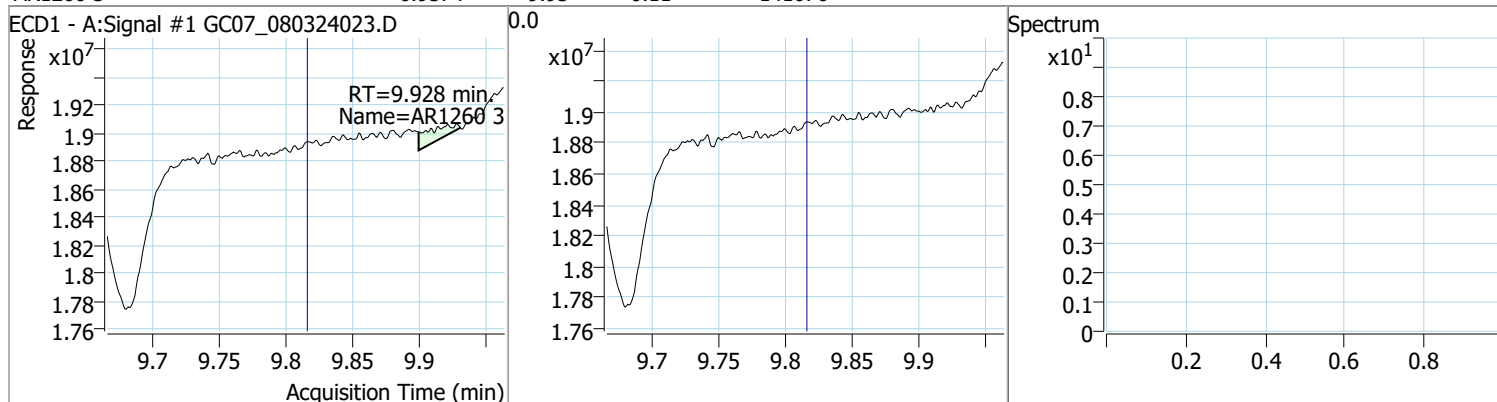
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	148.1311	8.89	-0.07	13283034				



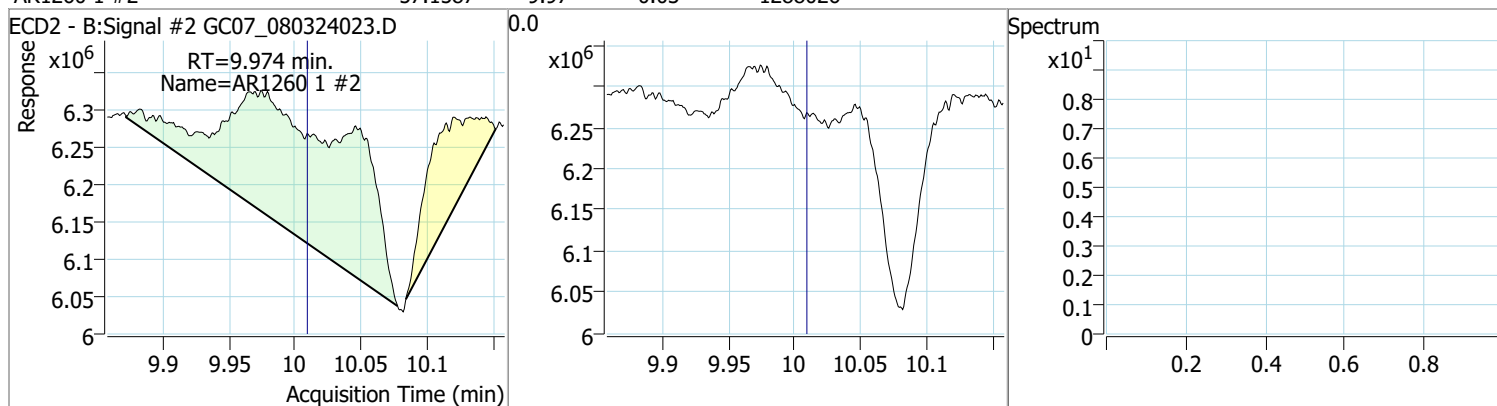
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.4495	9.41	0.02	472427				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.9574	9.93	0.11	141076				

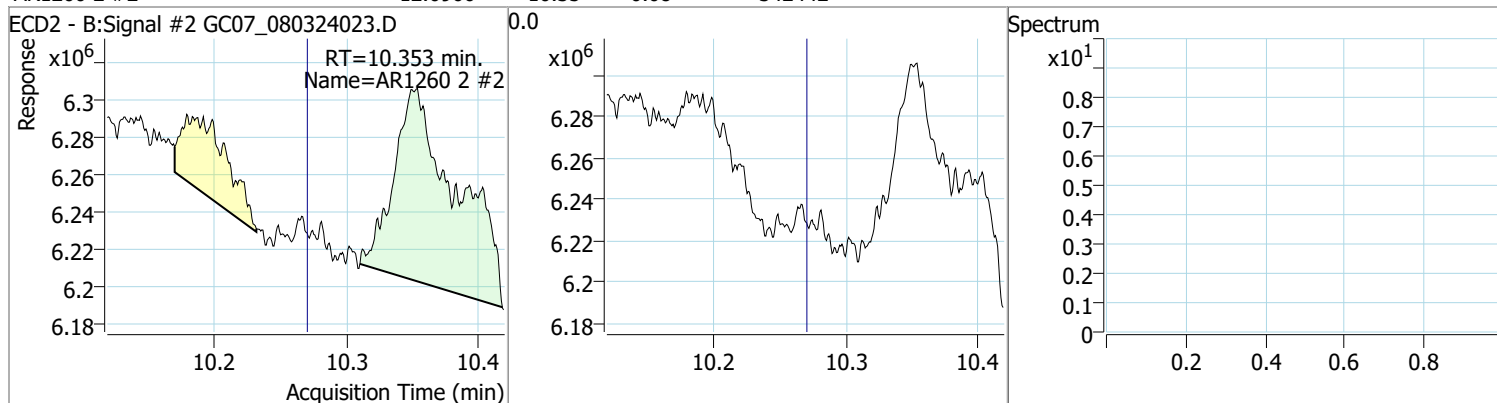


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	57.1587	9.97	-0.03	1288026				

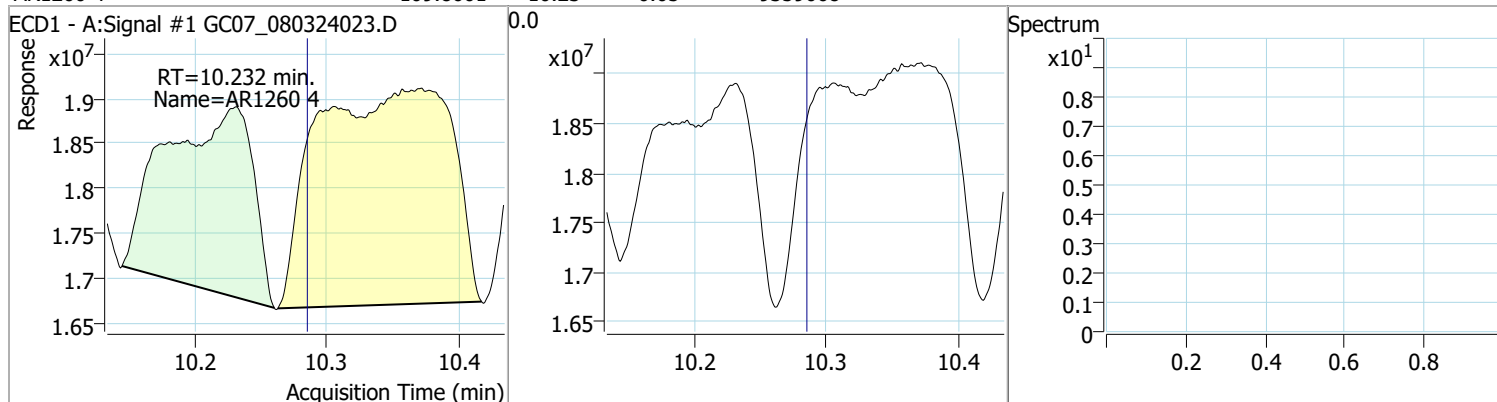


Quantitation Results Report (Not Reviewed)

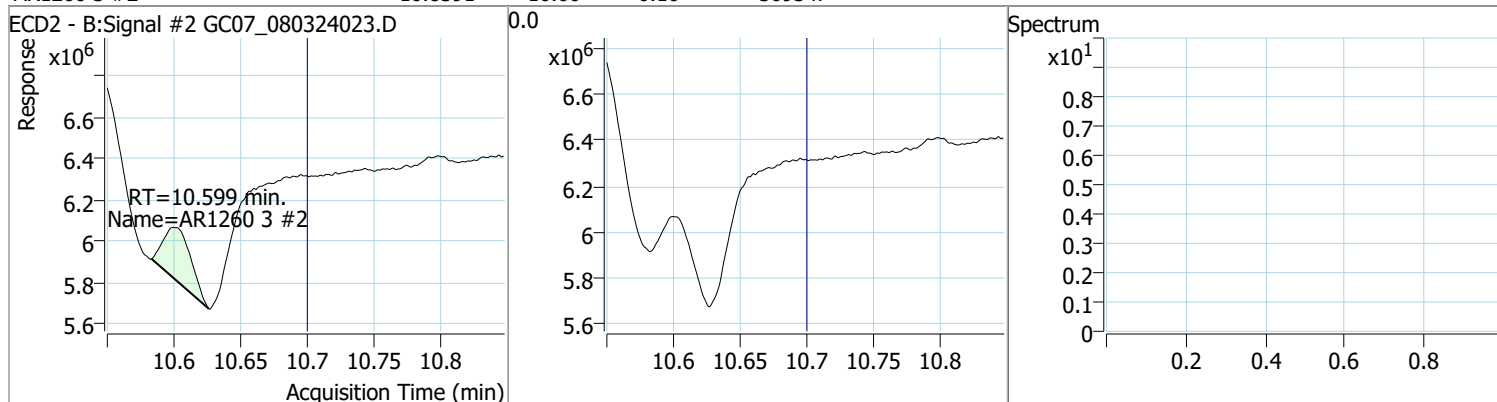
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	12.0966	10.35	0.08	342442				



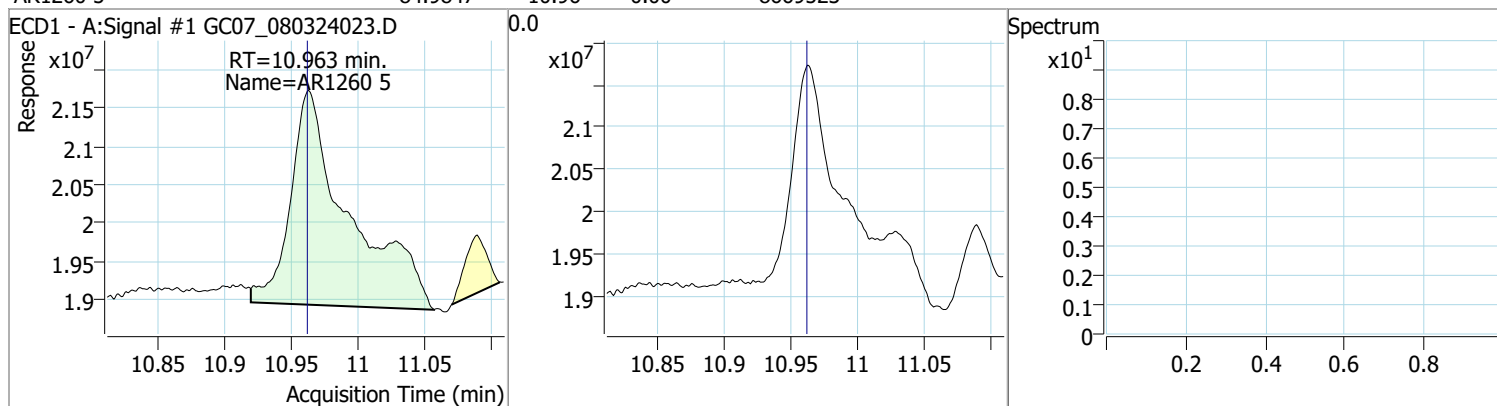
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	109.8601	10.23	-0.05	9359068				



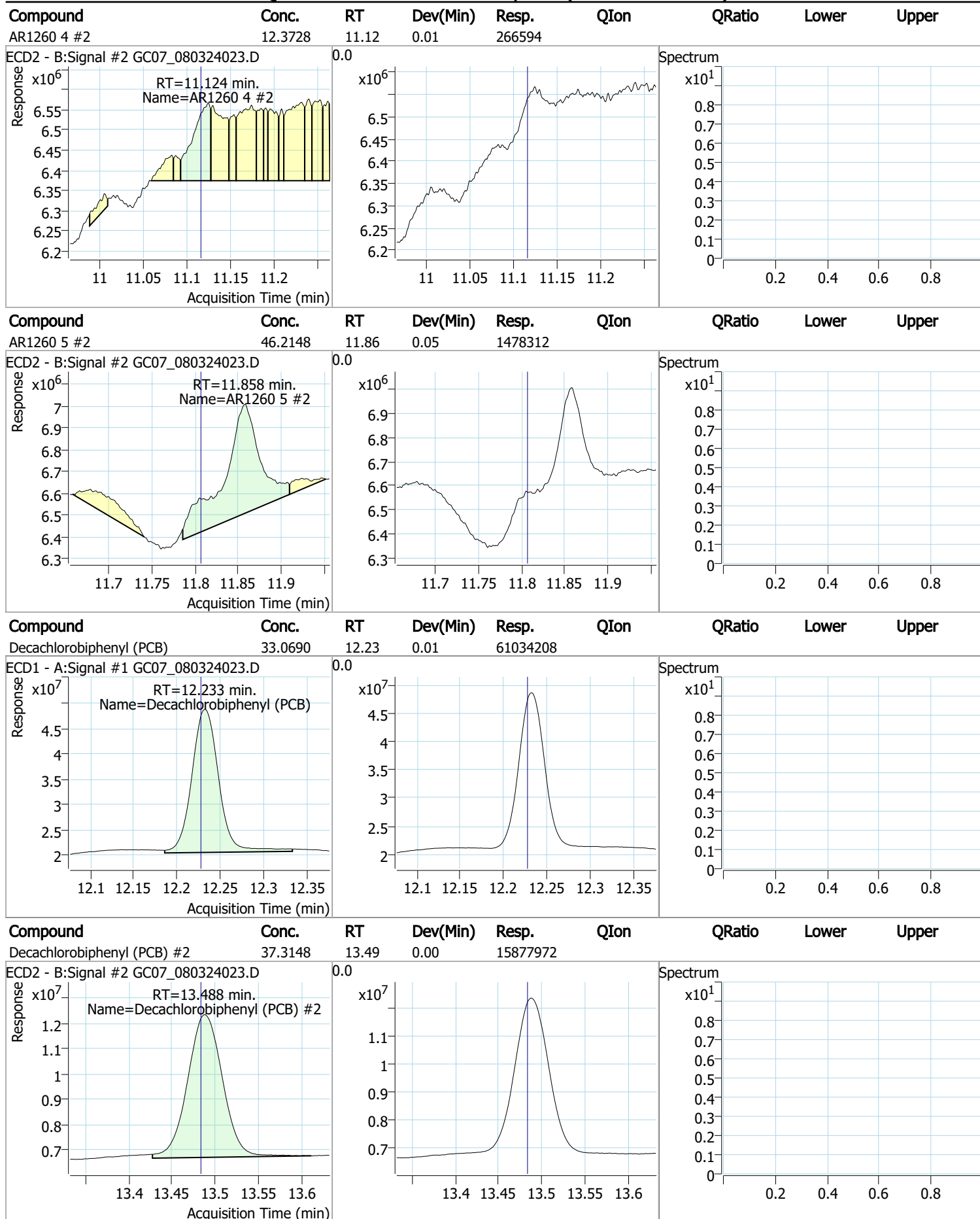
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.8391	10.60	-0.10	369347				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	84.9847	10.96	0.00	8669523				



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 513228-005	Client ID: DOOR-S-15.7GE-INT-20 TO 21-240731-P-CB
Seqnum: 464311880024	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_080324024	Batch: 346727	Time: 03-AUG-2024 20:30
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	22.01	ug/L	ND	0.81	115%	0.50		u
Aroclor-1016 Peak # 1	B	14.24	ug/L	0.14	0.05	93%			
Aroclor-1016 Peak # 2	B	2.348	ug/L	0.02	0.04	45%			
Aroclor-1016 Peak # 3	B	89.80	ug/L	0.90	1.22	31%			
Aroclor-1016 Peak # 4	B	1.159	ug/L	0.01	ND				
Aroclor-1016 Peak # 5	B	2.521	ug/L	0.03	2.75	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	17.67	ug/L	ND	0.59	107%	0.50		u
Aroclor-1260 Peak # 1	B	19.28	ug/L	0.19	1.41	152%			
Aroclor-1260 Peak # 2	B	3.653	ug/L	0.04	0.01	132%			
Aroclor-1260 Peak # 3	B	7.634	ug/L	0.08	0.11	37%			
Aroclor-1260 Peak # 4	B	11.74	ug/L	0.12	0.84	151%			
Aroclor-1260 Peak # 5	B	46.03	ug/L	0.46	0.55	18%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.34	pg/uL	0.5000	0.3834	77	19-121	u
Decachlorobiphenyl (PCB)	B	32.30	pg/uL	0.5000	0.3230	65	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	7227073	-11.01
1-bromo-2-nitrobenzene (PCB)	A	35201723	30294074	-13.94

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

08/05/24 : SOIL/10G-10ML

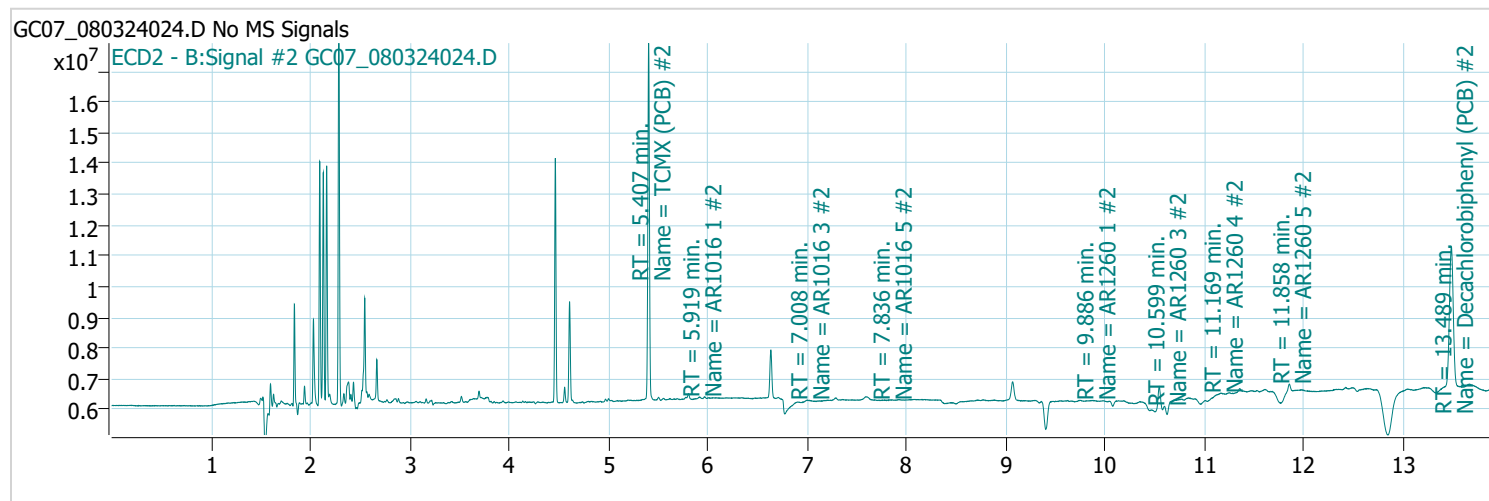
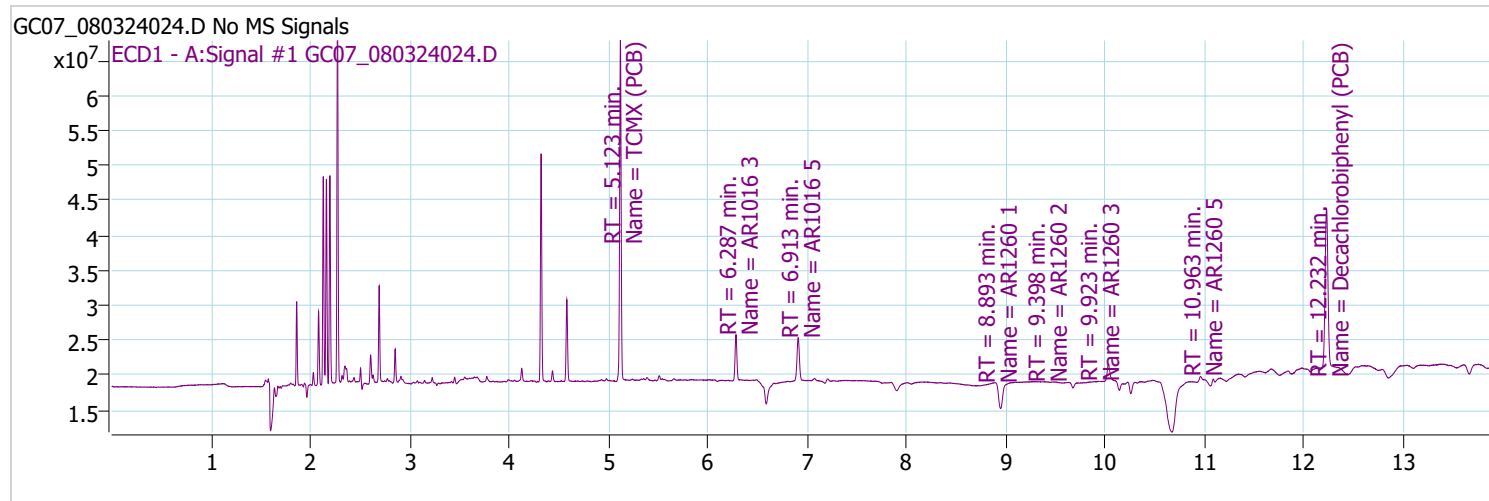
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Analyst: MES 08/05/24

Reviewer: BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 8:30:16 PM
Sample Name	513228-005, 346569, 1	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	30294074.142	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	7227073.453	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	52754526.095	37.1744	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.87%	*	
S TCMX (PCB) #2	5.407	0.0	13289595.828	38.3376	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.69%	*	
S Decachlorobiphenyl (PCB)	12.232	0.0	48861045.041	29.2539	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.27%		
S Decachlorobiphenyl (PCB) #2	13.489	0.0	12753313.066	32.3019	ng/ml	0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.51%	*	

Target Compounds

QValue

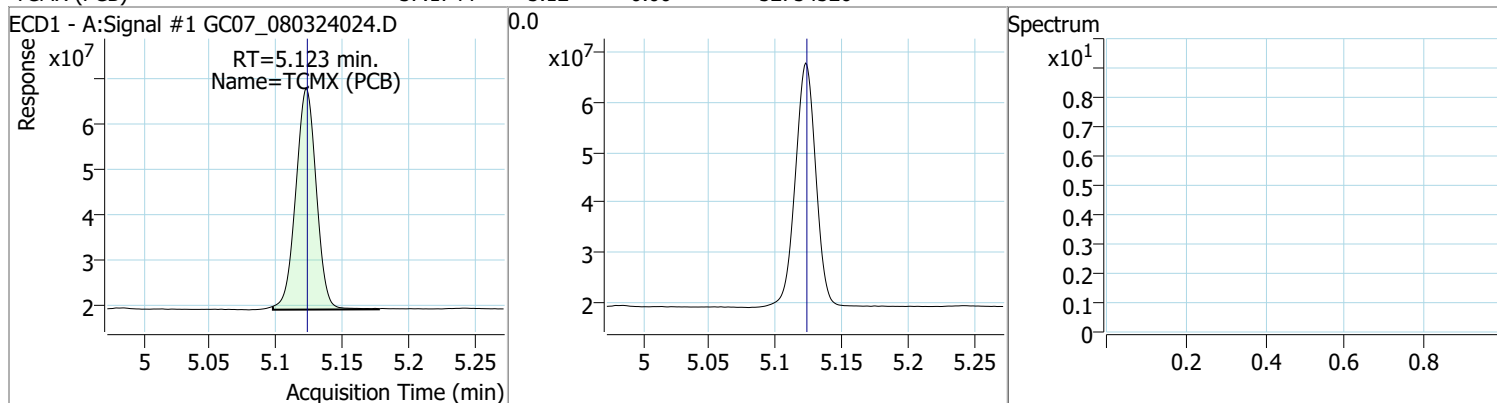
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.478	0.0	138050.906	5.2134	ng/ml	100
T AR1016 2	5.840	0.0	203165.156	3.6933	ng/ml	100
T AR1016 1 #2	5.919	0.0	108664.444	14.2404	ng/ml	100
T AR1016 3	6.287	0.0	8863459.727	122.2581	ng/ml	100
T AR1016 2 #2	6.340	0.0	37020.574	2.3482	ng/ml	100
T AR1016 4	0.000		0	N.D.		
T AR1016 3 #2	7.008	0.0	1765771.192	89.8022	ng/ml	100
T AR1016 5	6.913	0.0	11142461.909	275.3892	ng/ml	100
T AR1016 4 #2	7.112	0.0	16850.726	1.1593	ng/ml	100
T AR1016 5 #2	7.836	0.0	29633.009	2.5207	ng/ml	100
T AR1260 1	8.893	0.0	11448105.025	141.0766	ng/ml	100
T AR1260 2	9.398	0.0	92808.586	0.7488	ng/ml	100
T AR1260 3	9.923	0.0	1472633.893	11.0434	ng/ml	100
T AR1260 1 #2	9.886	0.0	403173.078	19.2827	ng/ml	100
T AR1260 2 #2	10.189	0.0	95951.703	3.6530	ng/ml	100
T AR1260 4	10.229	0.0	6511334.424	84.4598	ng/ml	100
T AR1260 3 #2	10.599	0.0	241355.236	7.6337	ng/ml	100
T AR1260 5	10.963	0.0	5111427.764	55.3682	ng/ml	100
T AR1260 4 #2	11.169	0.0	234667.650	11.7379	ng/ml	100
T AR1260 5 #2	11.858	0.0	1366098.485	46.0273	ng/ml	100

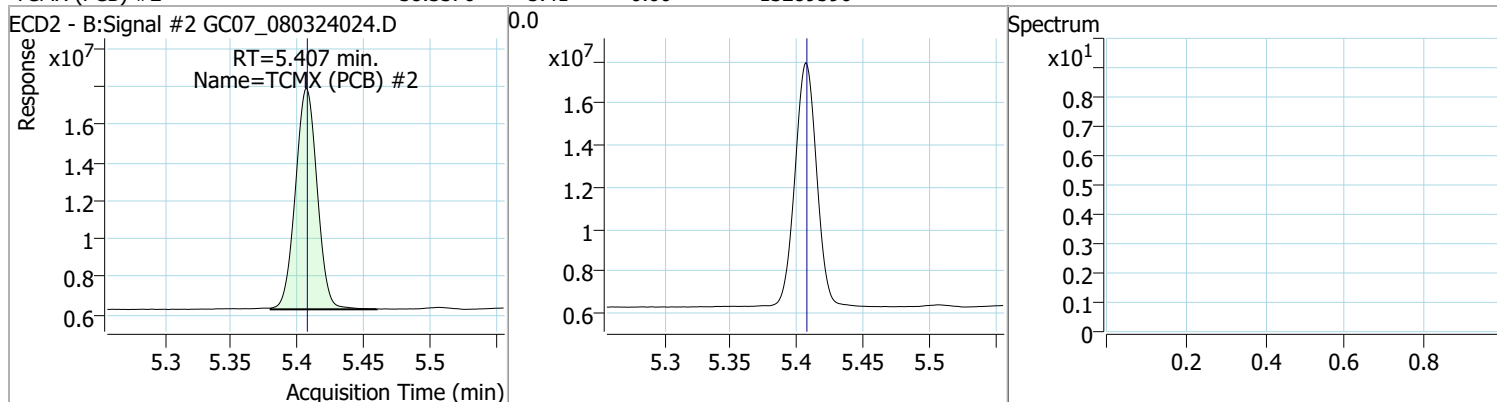
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

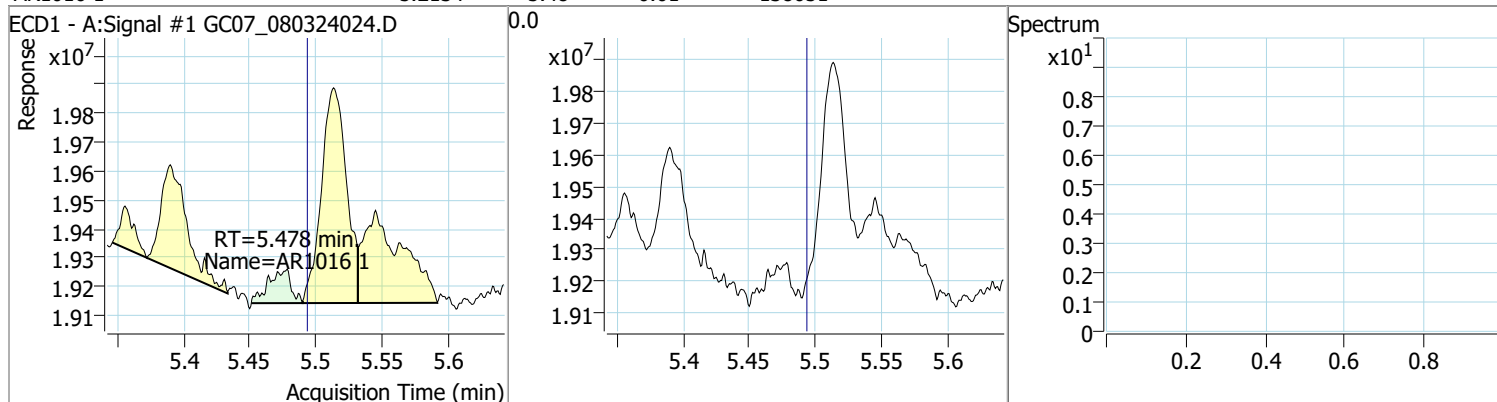
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.1744	5.12	0.00	52754526				



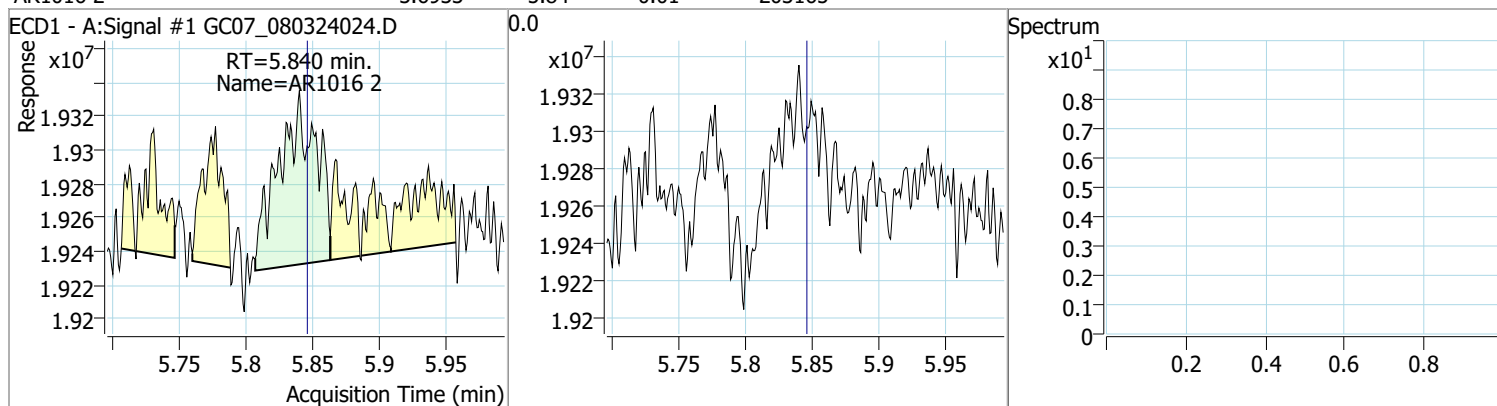
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.3376	5.41	0.00	13289596				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.2134	5.48	-0.01	138051				

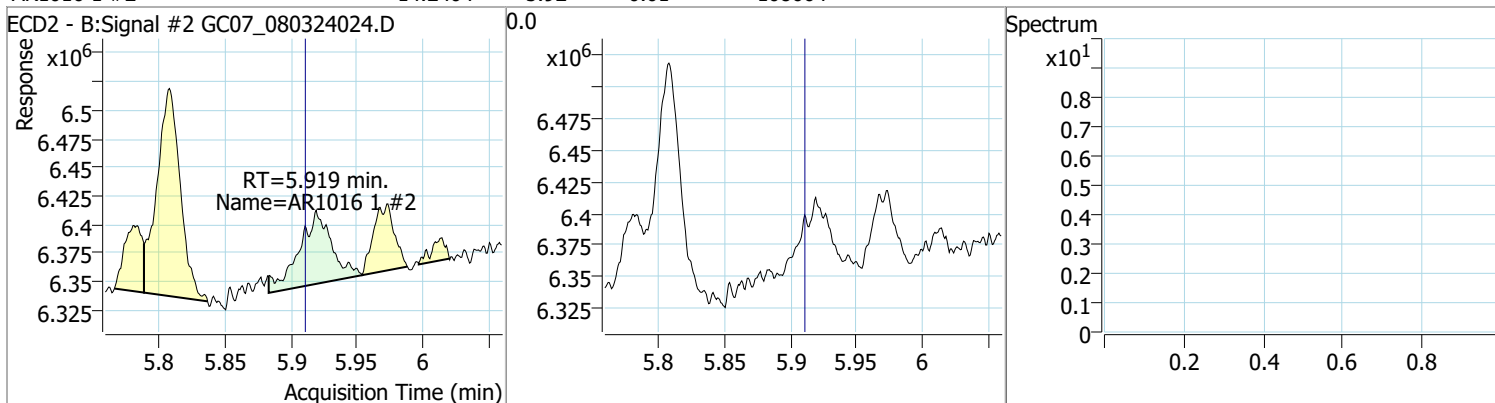


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.6933	5.84	-0.01	203165				

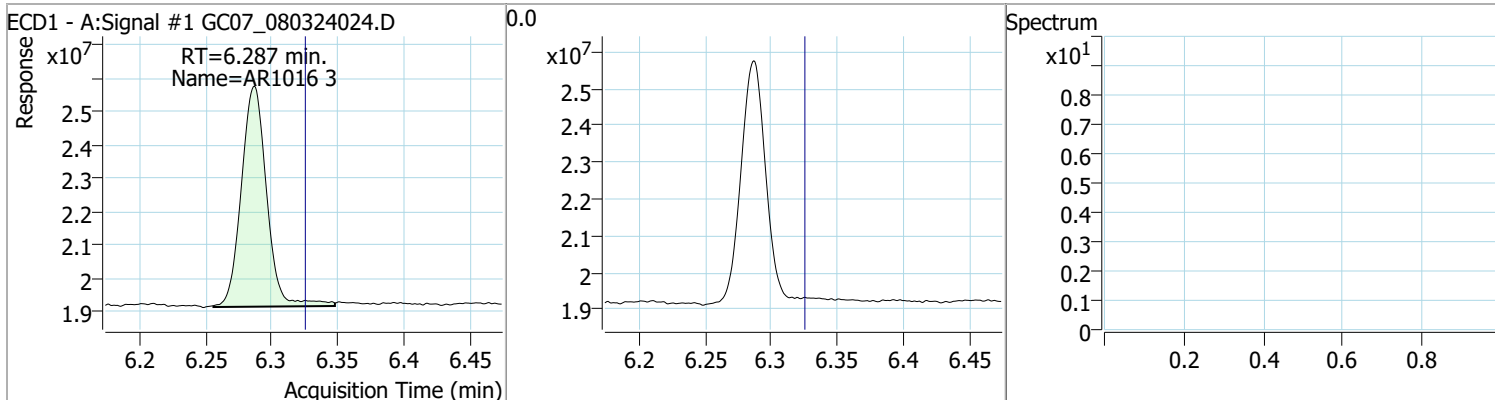


Quantitation Results Report (Not Reviewed)

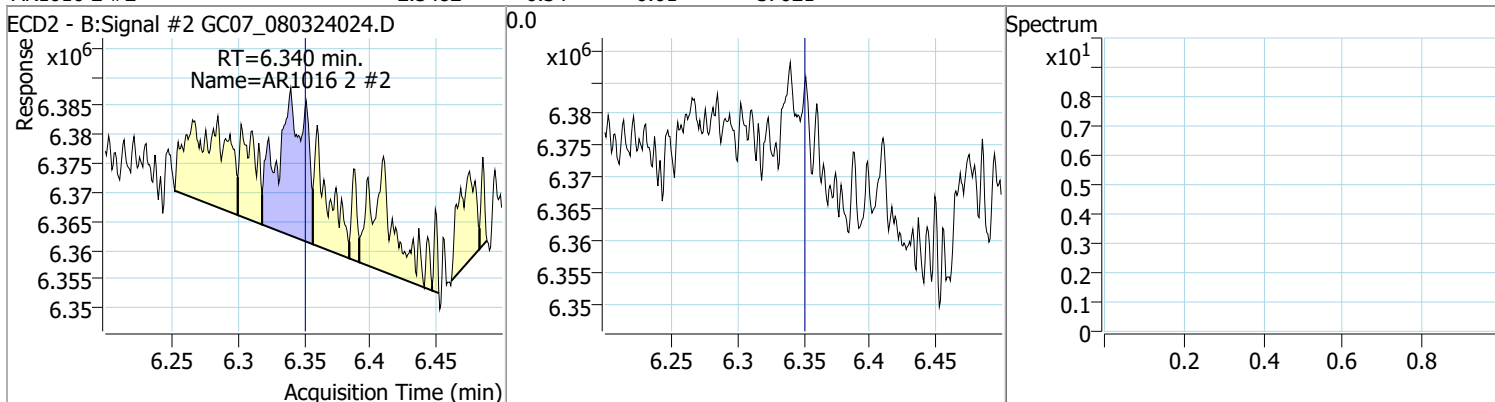
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	14.2404	5.92	0.01	108664				



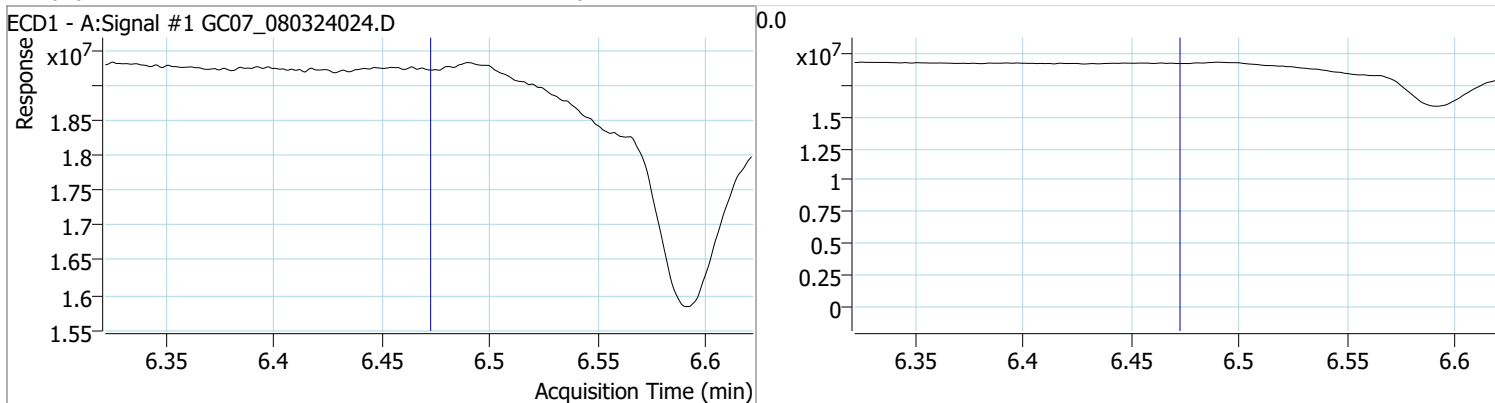
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	122.2581	6.29	-0.04	8863460				



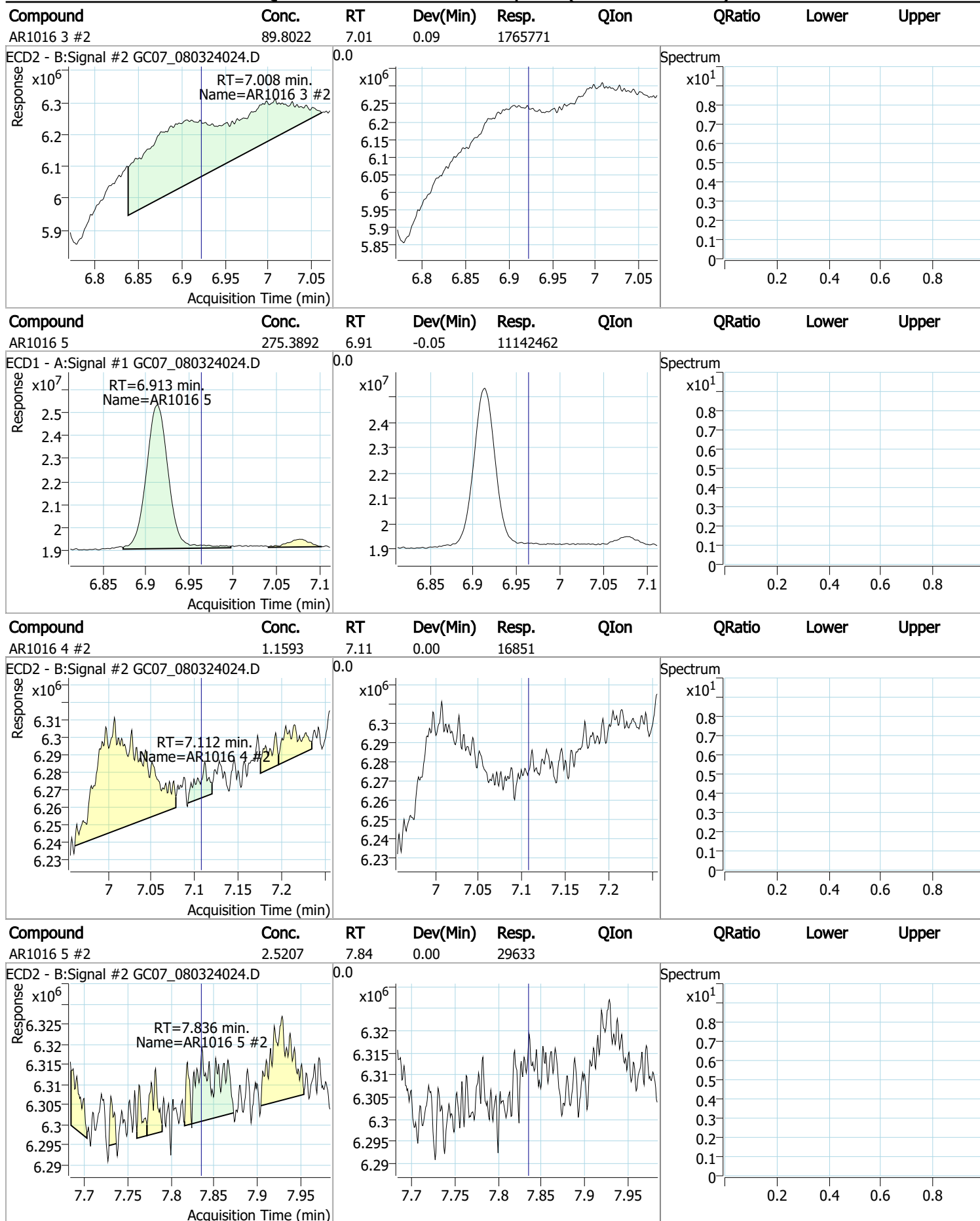
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.3482	6.34	-0.01	37021				



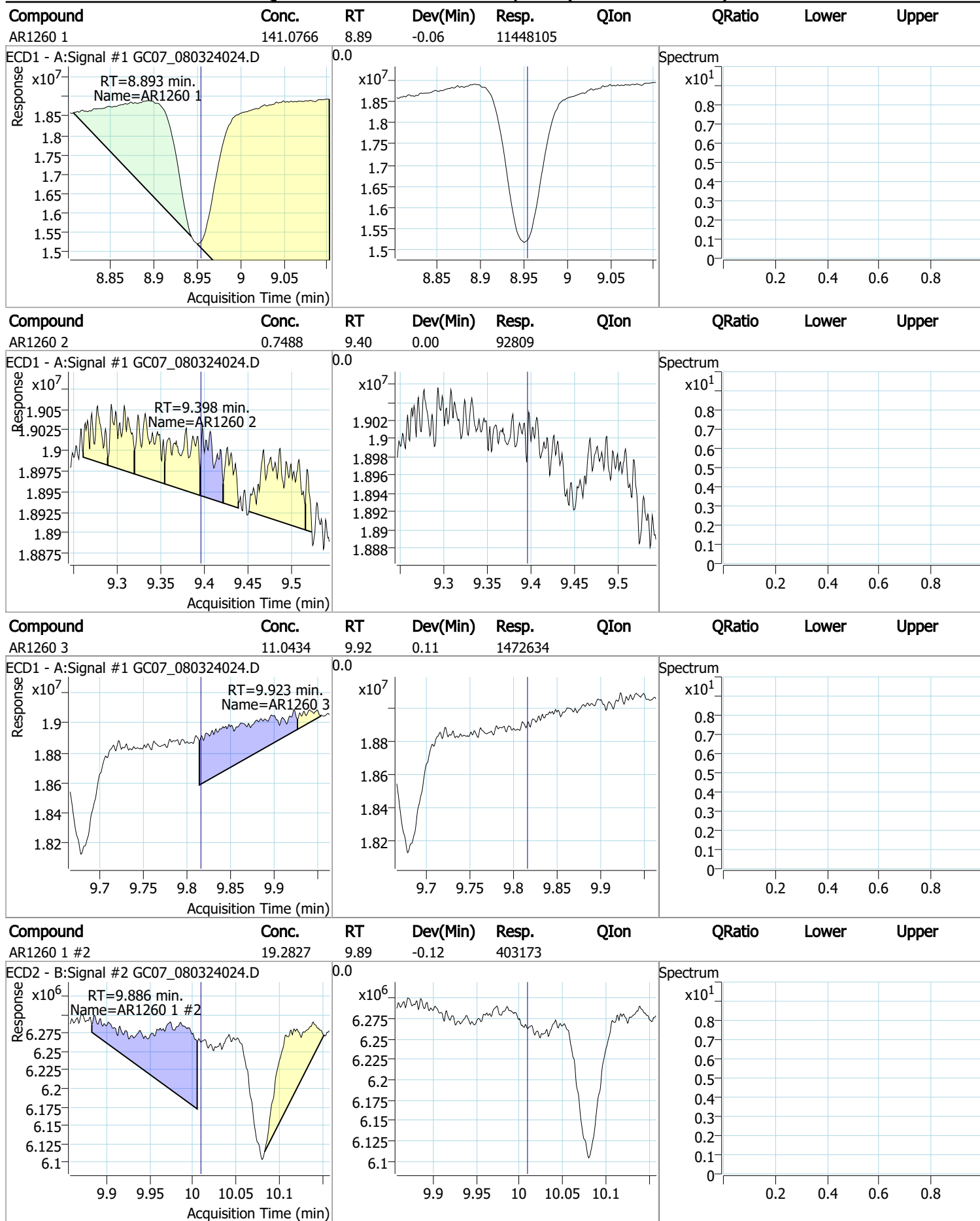
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4	N.D.	6.47		



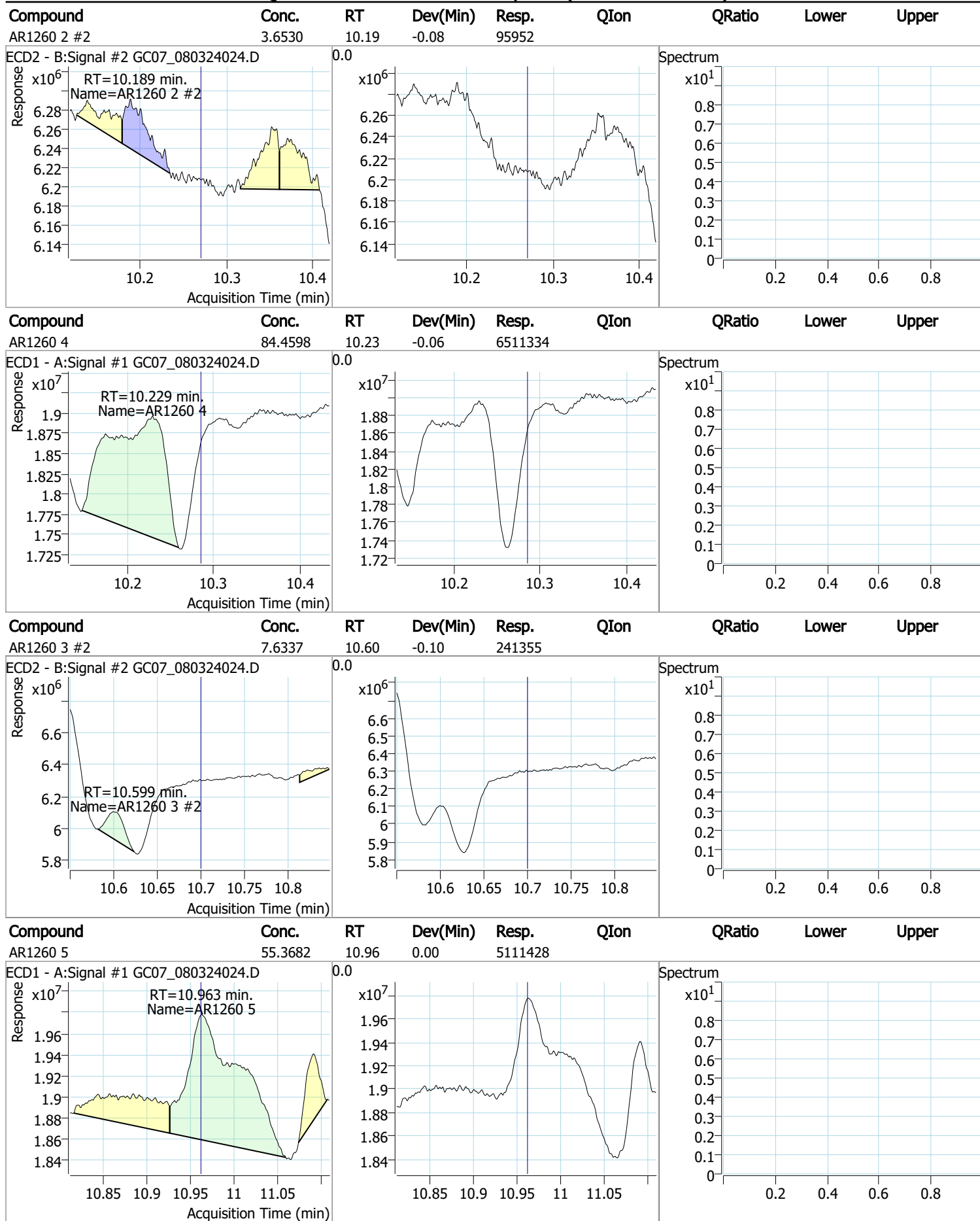
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

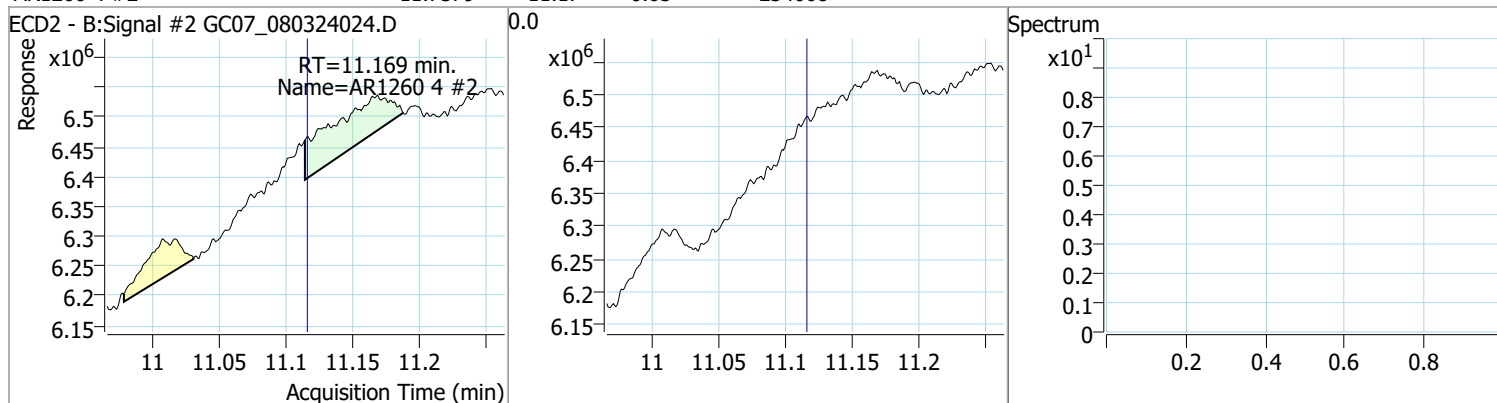


Quantitation Results Report (Not Reviewed)

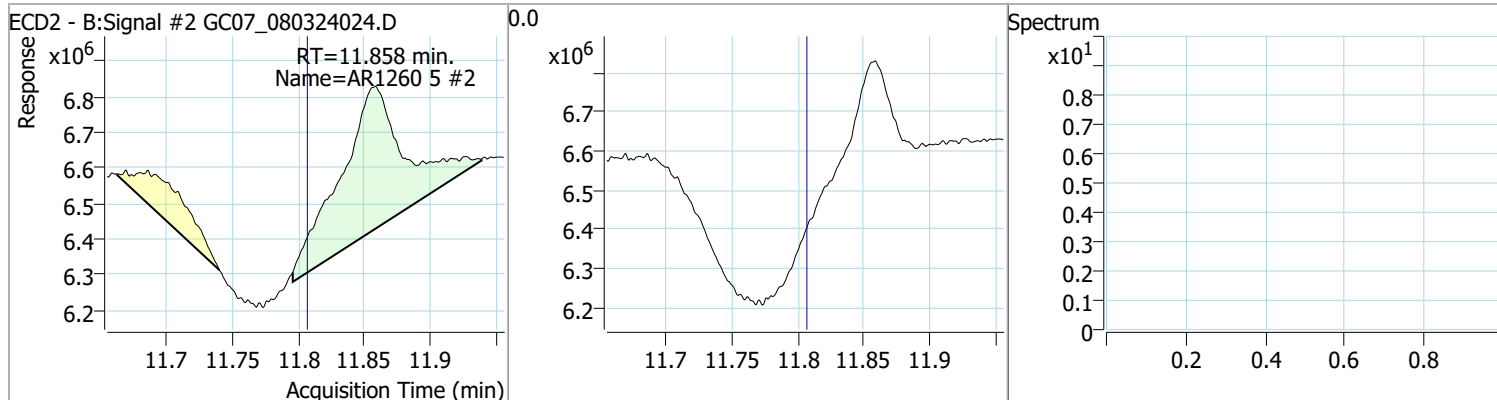


Quantitation Results Report (Not Reviewed)

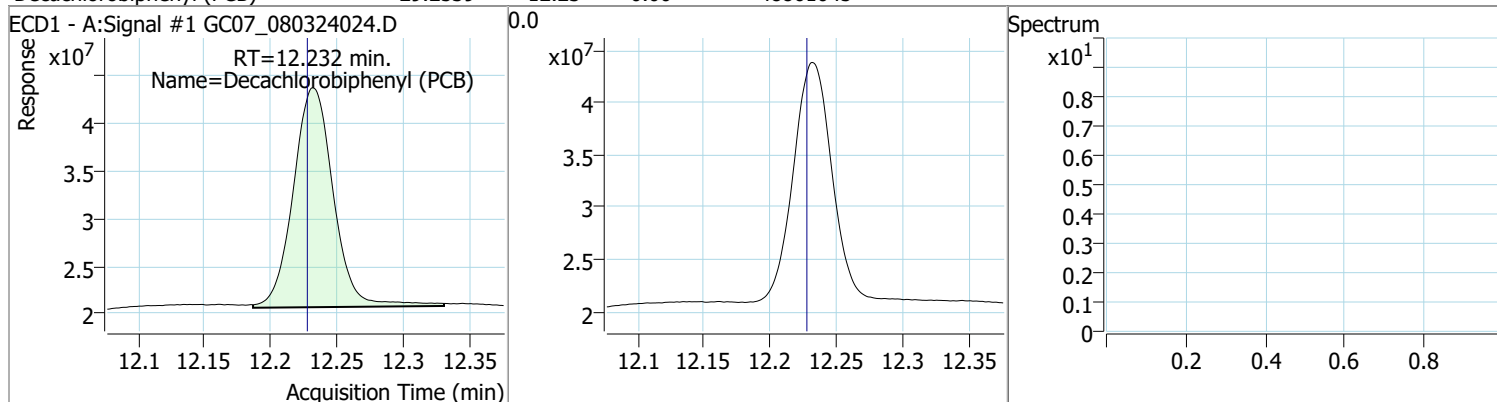
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	11.7379	11.17	0.05	234668				



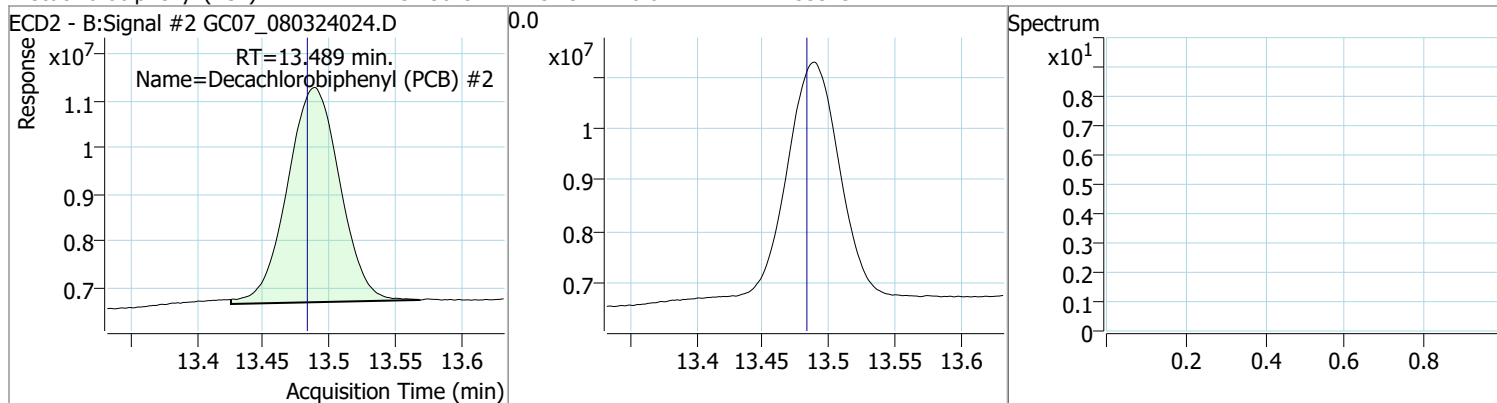
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	46.0273	11.86	0.05	1366098				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.2539	12.23	0.00	48861045				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.3019	13.49	0.01	12753313				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 513228-007	Client ID: DOOR-S-15.8GW-DG-6 TO 20-240731-P-LA
Seqnum: 464311880025	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_080324025	Batch: 346727	Time: 03-AUG-2024 20:47
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	29.20	ug/L	ND	1.2	120%	0.50		u
Aroclor-1016 Peak # 1	B	30.92	ug/L	0.31	0.15	69%			
Aroclor-1016 Peak # 2	B	4.134	ug/L	0.04	0.08	62%			
Aroclor-1016 Peak # 3	B	108.5	ug/L	1.08	2.70	85%			
Aroclor-1016 Peak # 4	B	1.008	ug/L	0.01	0.02	75%			
Aroclor-1016 Peak # 5	B	1.498	ug/L	0.01	2.85	198%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	24.07	ug/L	ND	0.67	94%	0.50		u
Aroclor-1260 Peak # 1	B	43.97	ug/L	0.44	1.69	117%			
Aroclor-1260 Peak # 2	B	6.839	ug/L	0.07	0.00	174%			
Aroclor-1260 Peak # 3	B	9.807	ug/L	0.10	0.36	114%			
Aroclor-1260 Peak # 4	B	7.771	ug/L	0.08	1.05	172%			
Aroclor-1260 Peak # 5	B	51.98	ug/L	0.52	0.23	77%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.26	pg/uL	0.5000	0.3526	71	19-121	u
Decachlorobiphenyl (PCB)	B	31.97	pg/uL	0.5000	0.3197	64	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	5949043	-26.75
1-bromo-2-nitrobenzene (PCB)	A	35201723	25074373	-28.77

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

08/05/24 : SOIL/10G-10ML

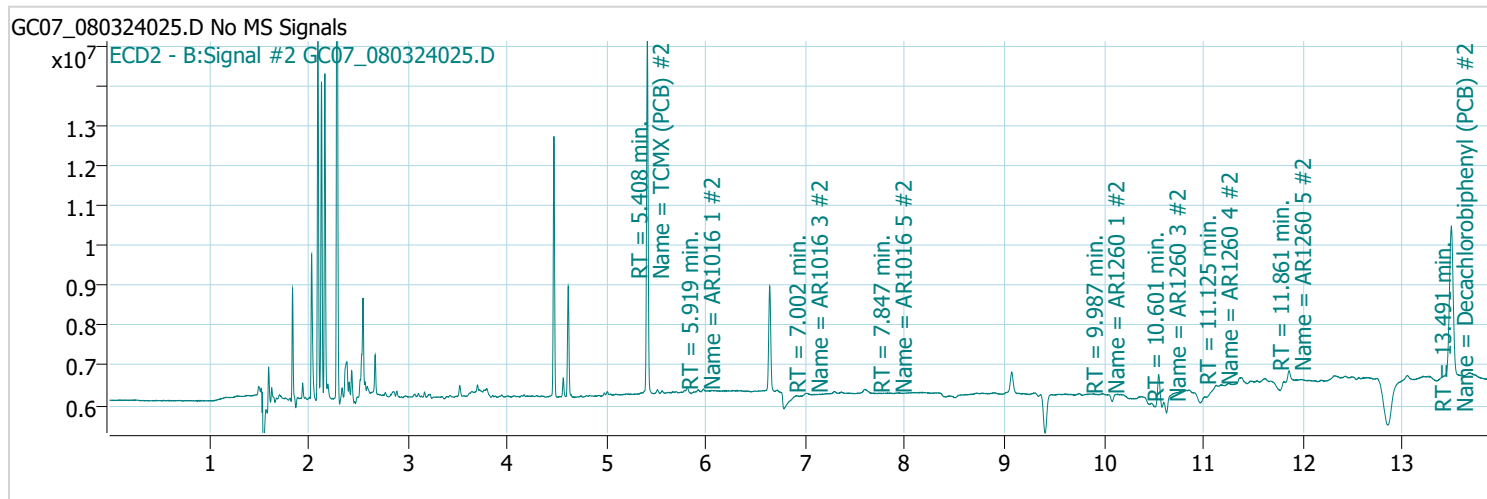
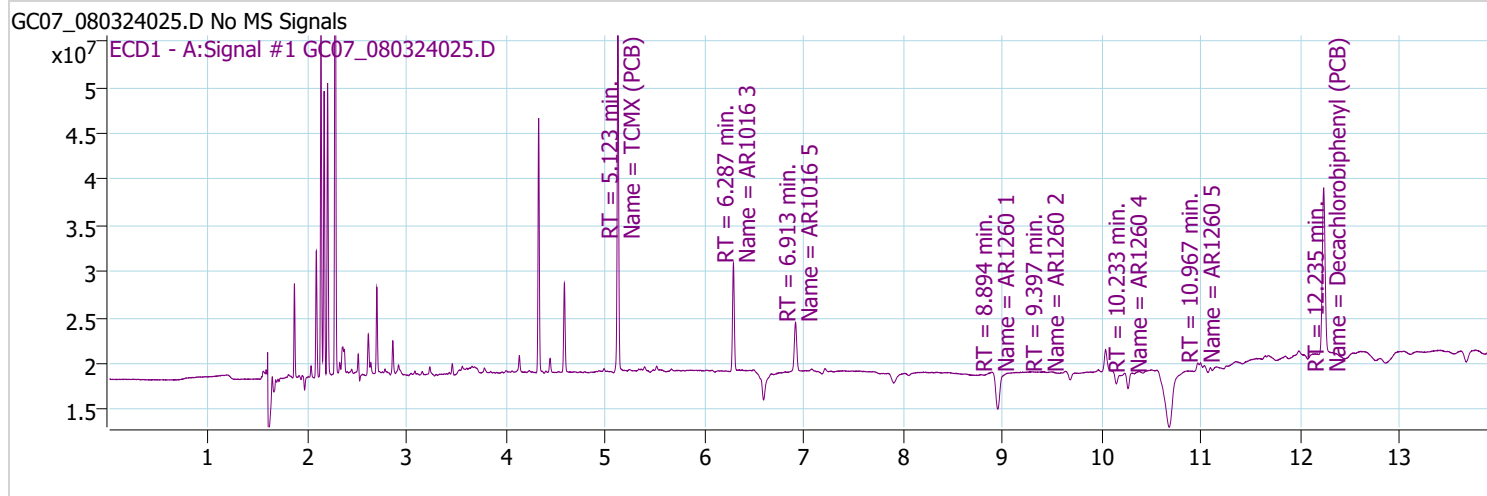
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Analyst: MES 08/05/24

Reviewer: BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 8:47:45 PM
Sample Name	513228-007, 346569, 1	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	25074373.3 24	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	5949042.77 8	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	40011073.8 17	34.0637	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.32%	*	
S TCMX (PCB) #2	5.408	0.0	10061499.4 93	35.2607	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.30%	*	
S Decachlorobiphenyl (PCB)	12.235	0.0	38397380.4 13	27.7747	ng/ml	0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.87%		
S Decachlorobiphenyl (PCB) #2	13.491	0.0	10391492.7 25	31.9741	ng/ml	0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.87%	*	

Target Compounds

QValue

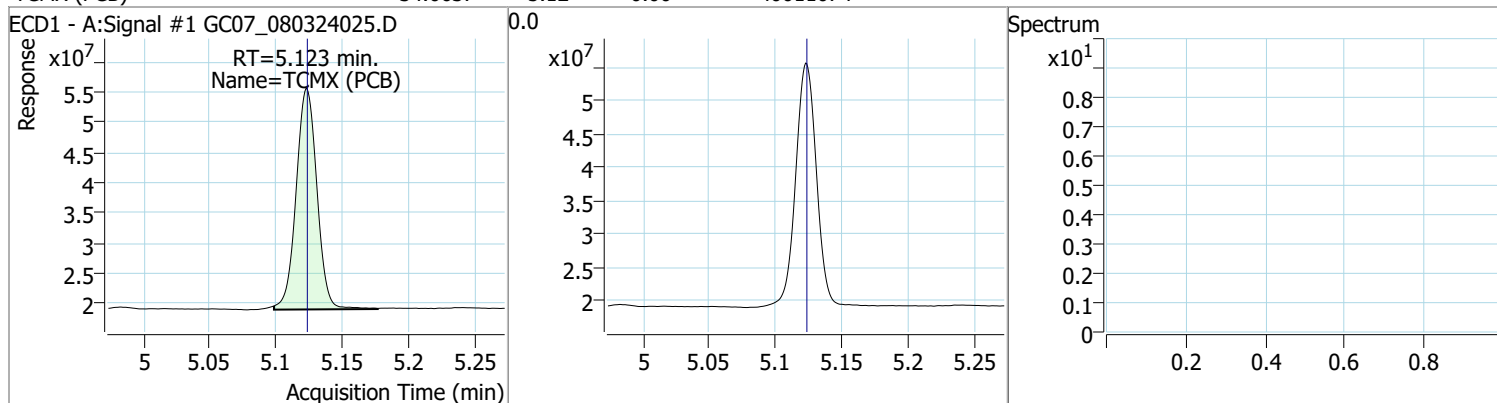
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.480	0.0	330831.883	15.0945	ng/ml	100
T AR1016 2	5.844	0.0	356955.172	7.8397	ng/ml	100
T AR1016 1 #2	5.919	0.0	194201.087	30.9172	ng/ml	100
T AR1016 3	6.287	0.0	14958822.0 63	270.2662	ng/ml	100
T AR1016 2 #2	6.352	0.0	53643.426	4.1335	ng/ml	100
T AR1016 4	6.456	0.0	84943.127	2.2295	ng/ml	100
T AR1016 3 #2	7.002	0.0	1755518.88 8	108.4610	ng/ml	100
T AR1016 5	6.913	0.0	9545510.18 4	285.0312	ng/ml	100
T AR1016 4 #2	7.090	0.0	12066.048	1.0084	ng/ml	100
T AR1016 5 #2	7.847	0.0	14498.944	1.4983	ng/ml	100
T AR1260 1	8.894	0.0	11328517.3 07	168.6638	ng/ml	100
T AR1260 2	9.397	0.0	48108.806	0.4690	ng/ml	100
T AR1260 3	9.856	0.0	3943539.99 3	35.7291	ng/ml	100
T AR1260 1 #2	9.987	0.0	756834.310	43.9737	ng/ml	100
T AR1260 2 #2	10.168	0.0	147865.129	6.8387	ng/ml	100
T AR1260 4	10.233	0.0	6675363.85 3	104.6122	ng/ml	100
T AR1260 3 #2	10.601	0.0	255240.825	9.8071	ng/ml	100
T AR1260 5	10.967	0.0	1769871.45 7	23.1626	ng/ml	100
T AR1260 4 #2	11.125	0.0	127882.179	7.7707	ng/ml	100
T AR1260 5 #2	11.861	0.0	1270001.40 8	51.9820	ng/ml	100

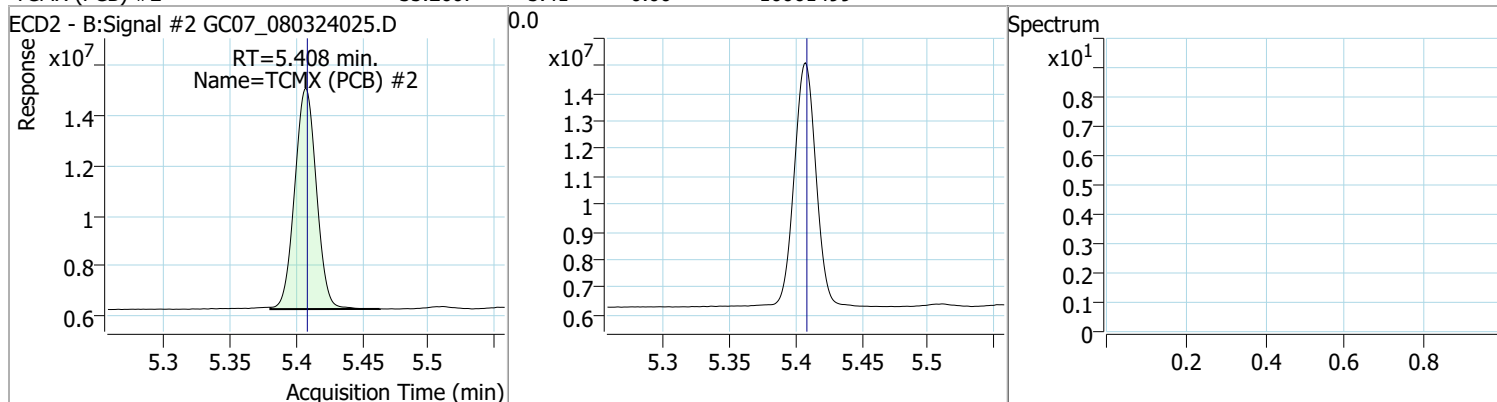
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

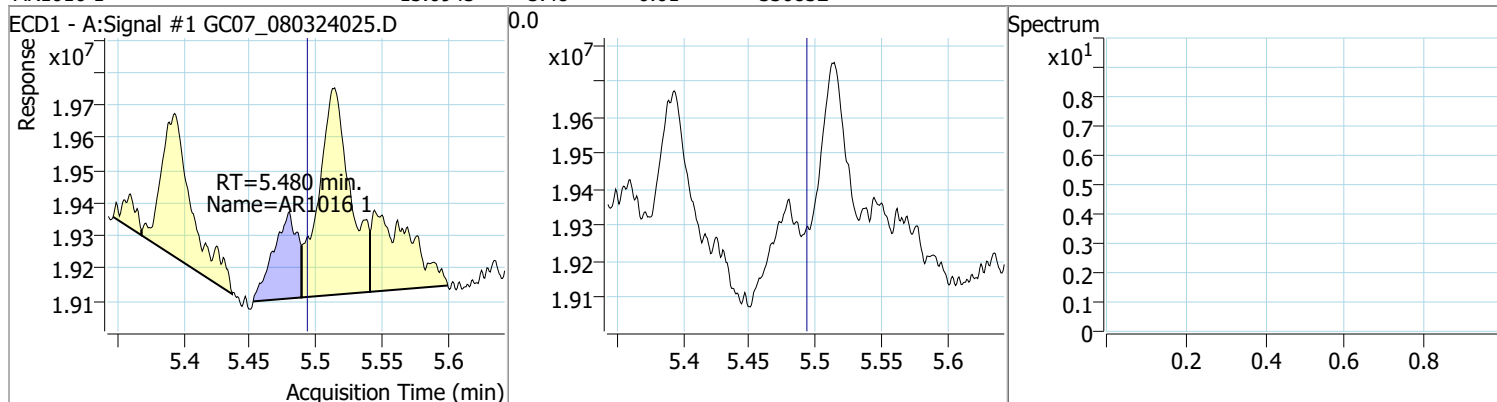
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.0637	5.12	0.00	40011074				



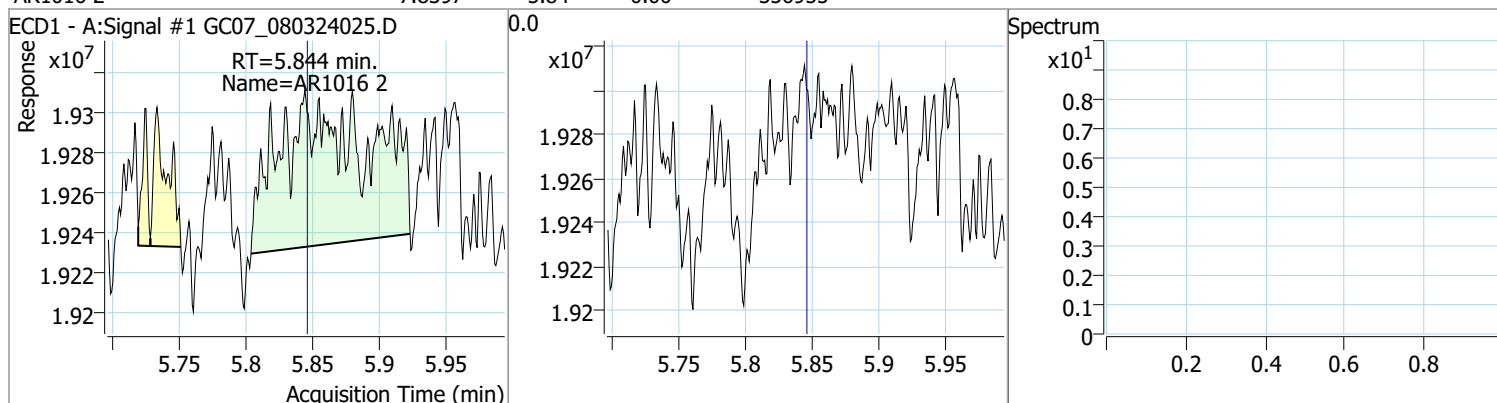
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.2607	5.41	0.00	10061499				



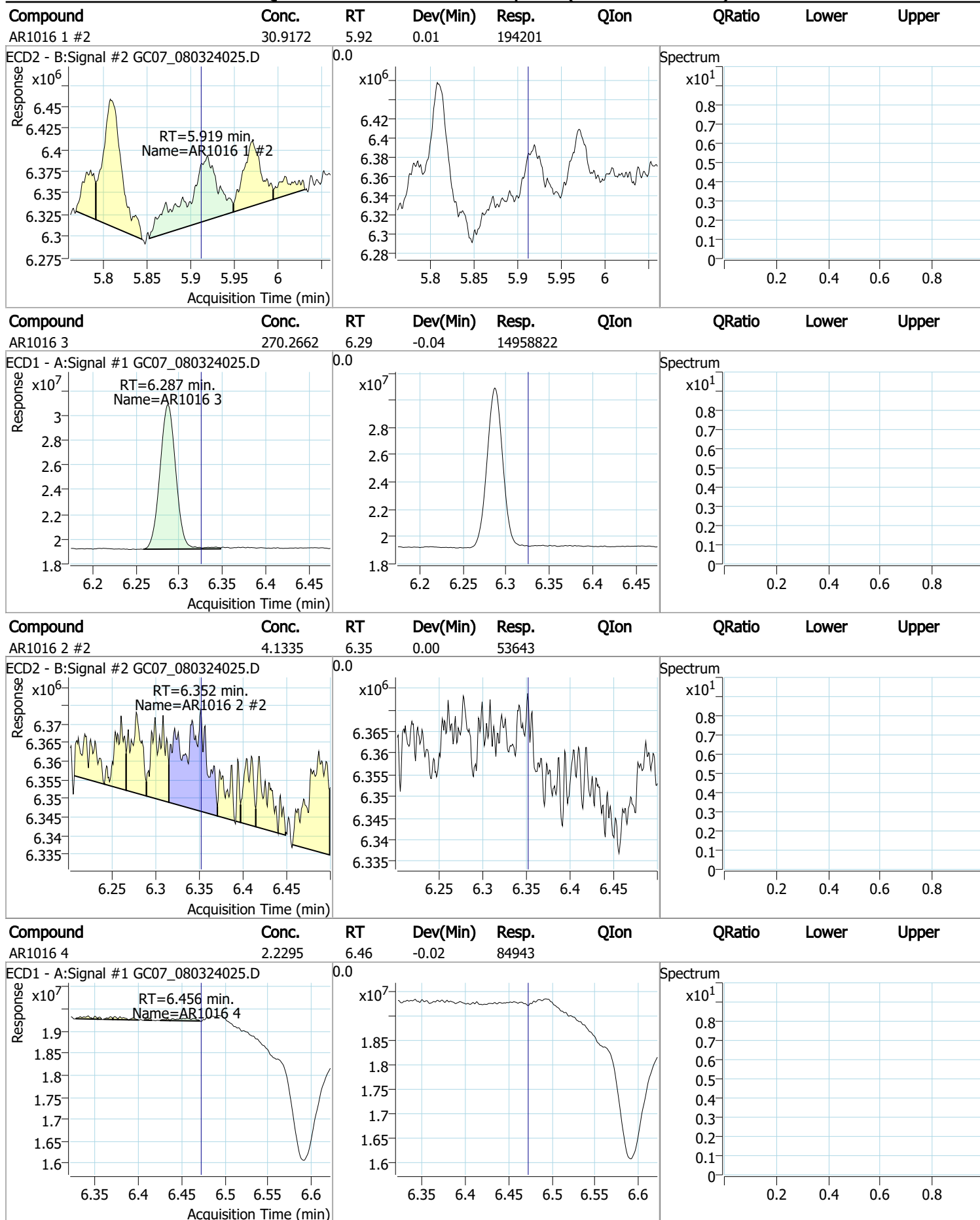
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	15.0945	5.48	-0.01	330832				



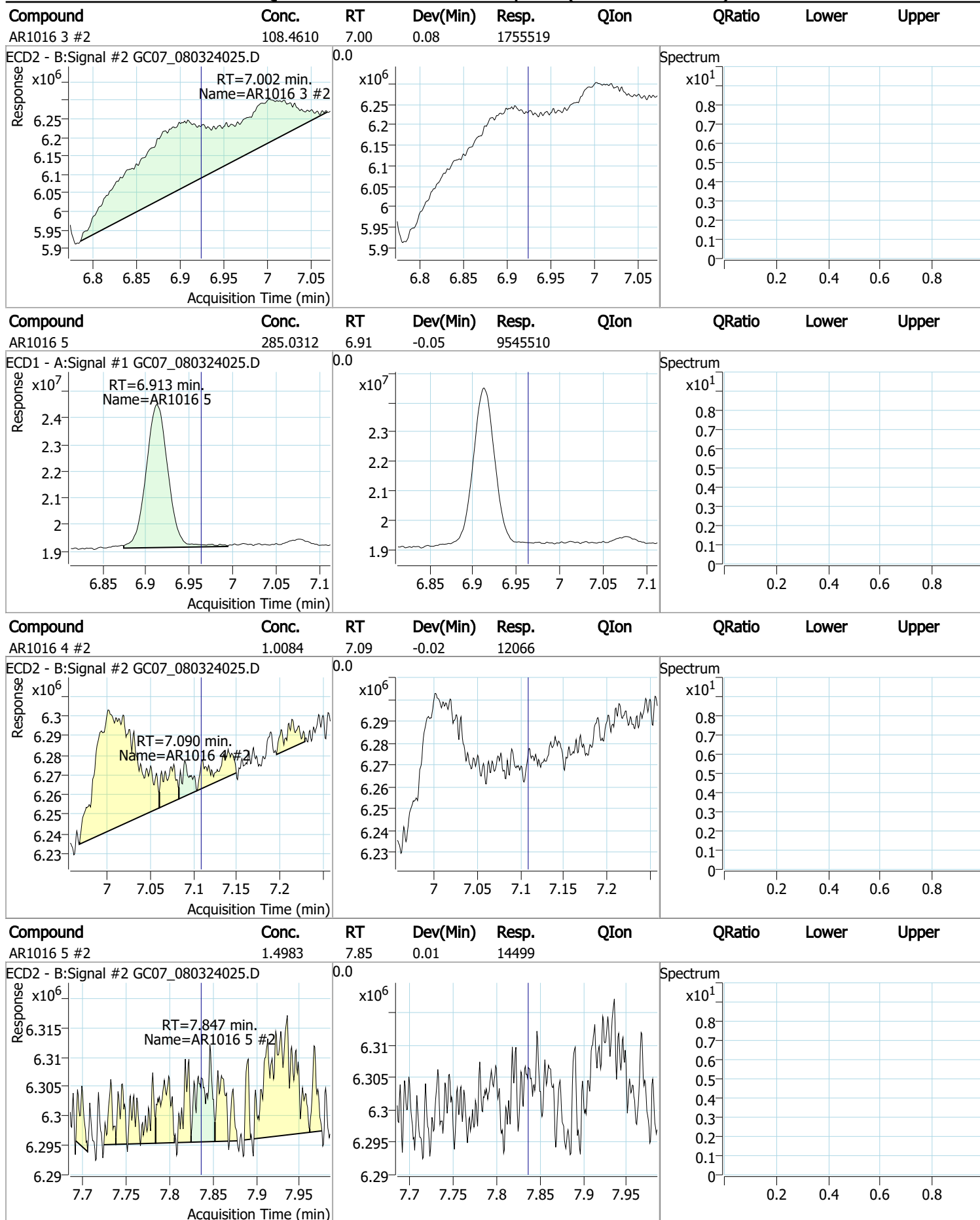
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.8397	5.84	0.00	356955				



Quantitation Results Report (Not Reviewed)

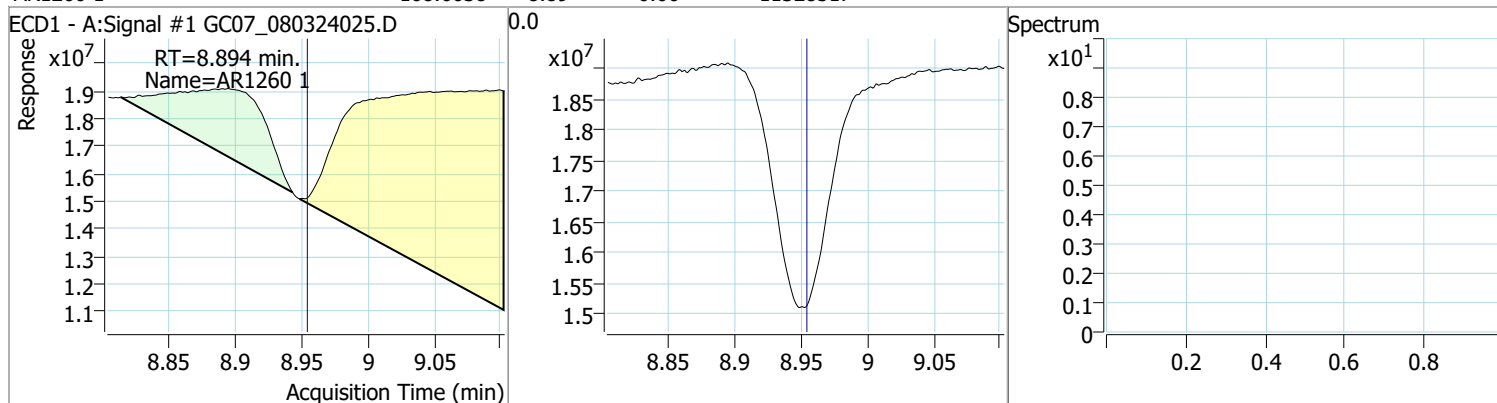


Quantitation Results Report (Not Reviewed)

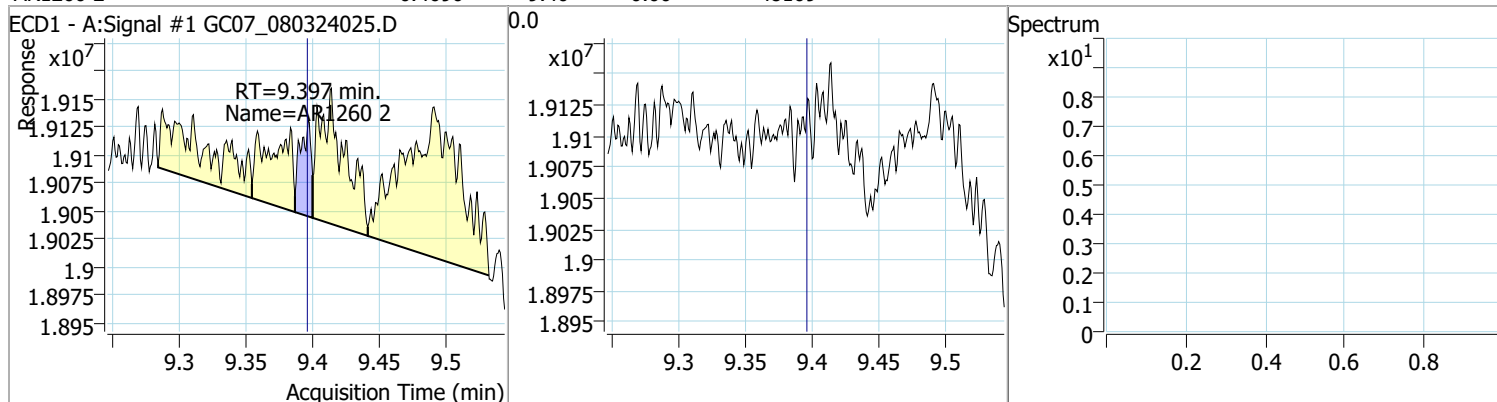


Quantitation Results Report (Not Reviewed)

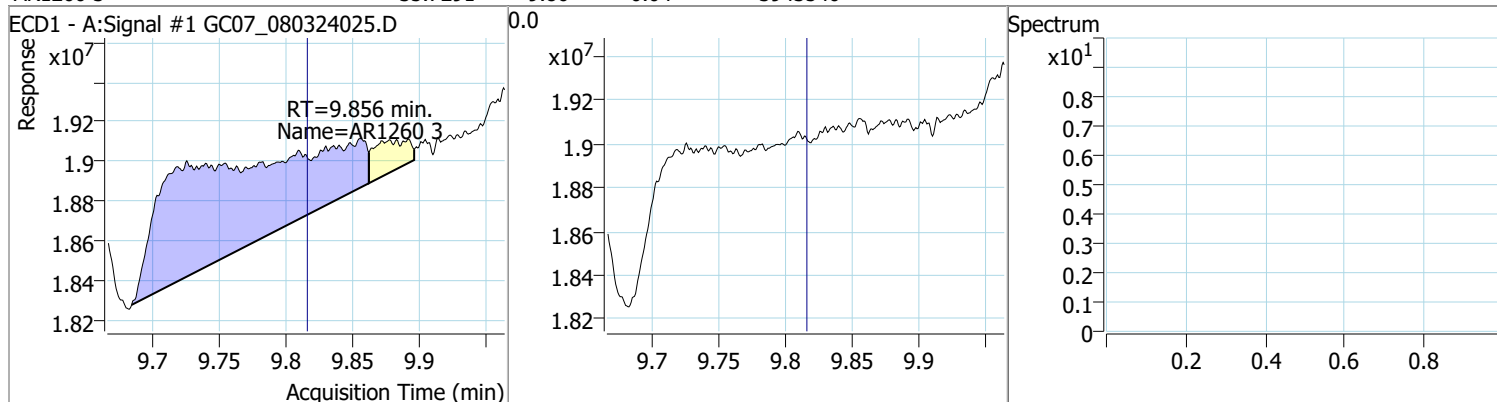
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	168.6638	8.89	-0.06	11328517				



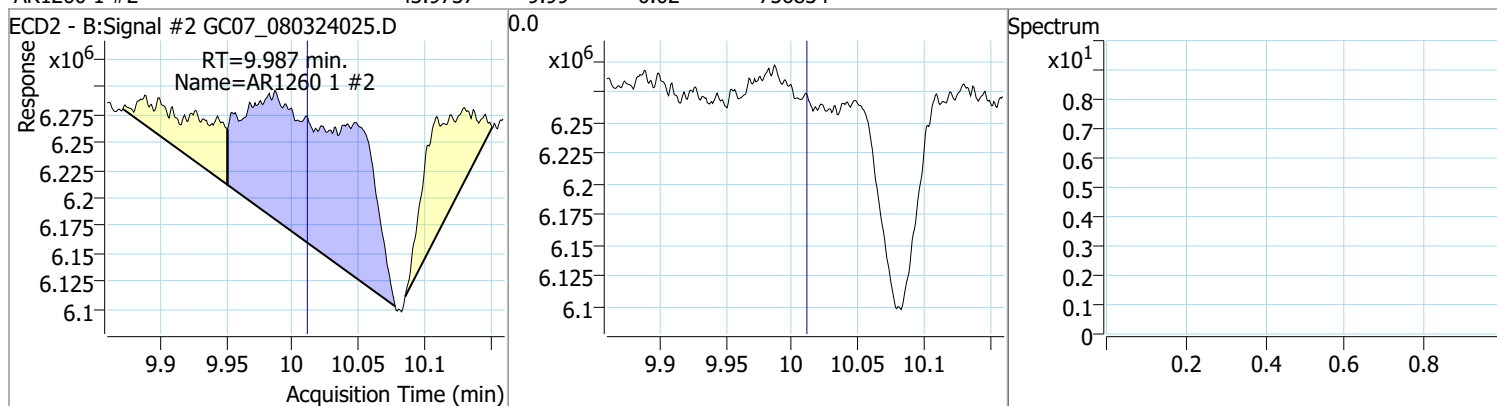
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.4690	9.40	0.00	48109				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	35.7291	9.86	0.04	3943540				

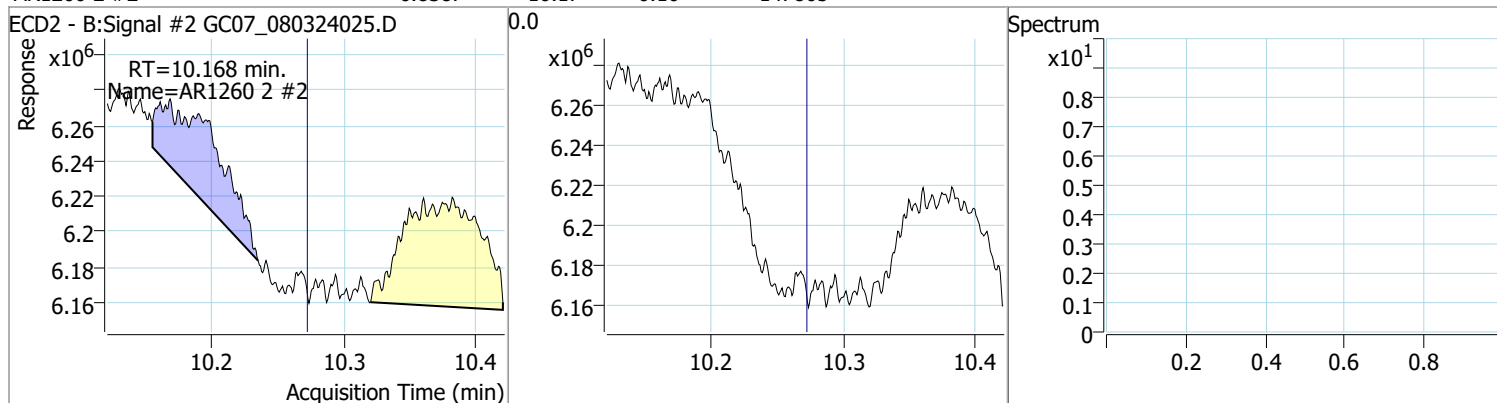


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	43.9737	9.99	-0.02	756834				

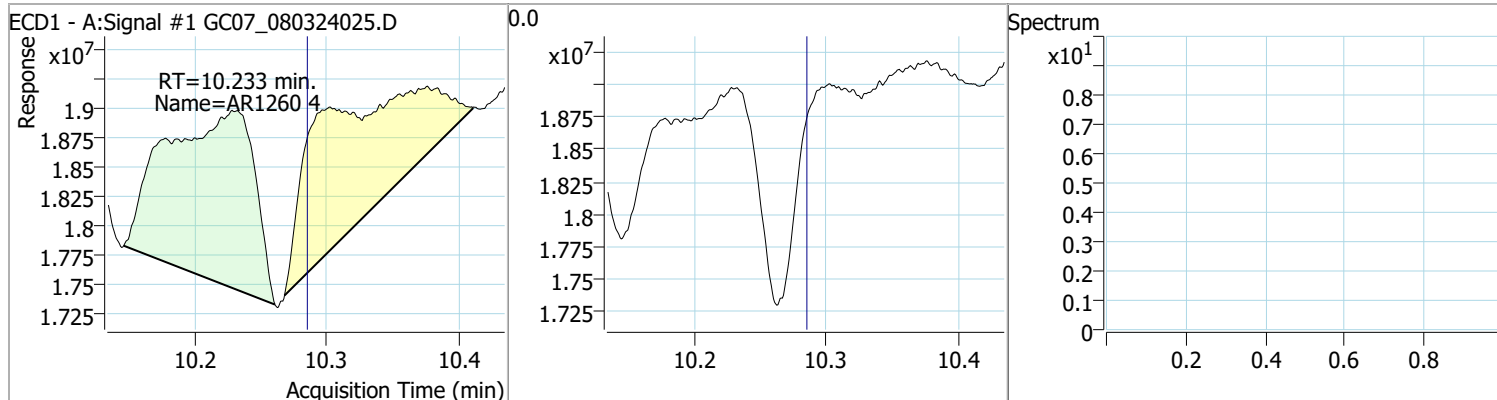


Quantitation Results Report (Not Reviewed)

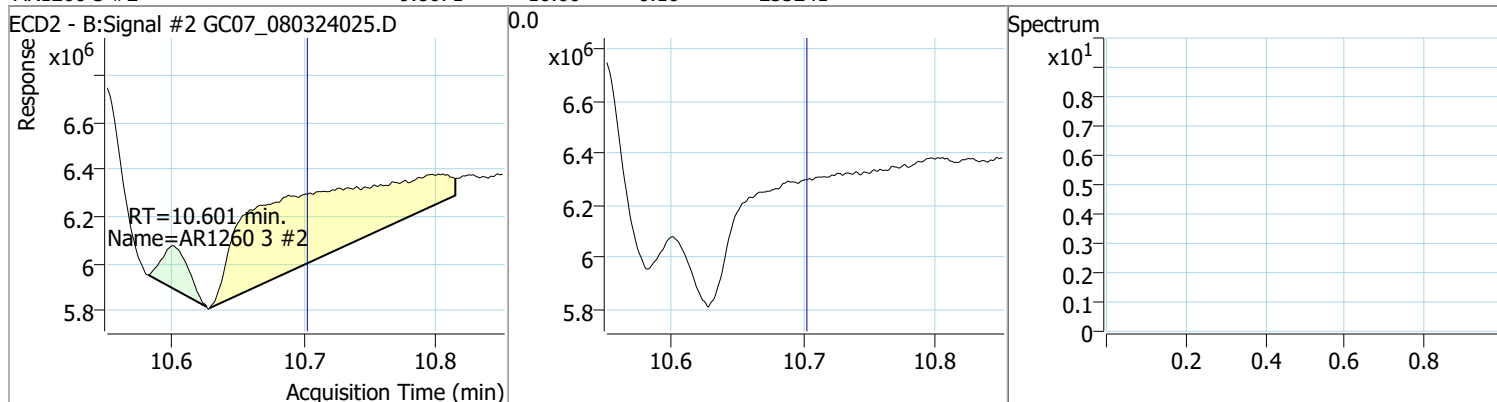
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.8387	10.17	-0.10	147865				



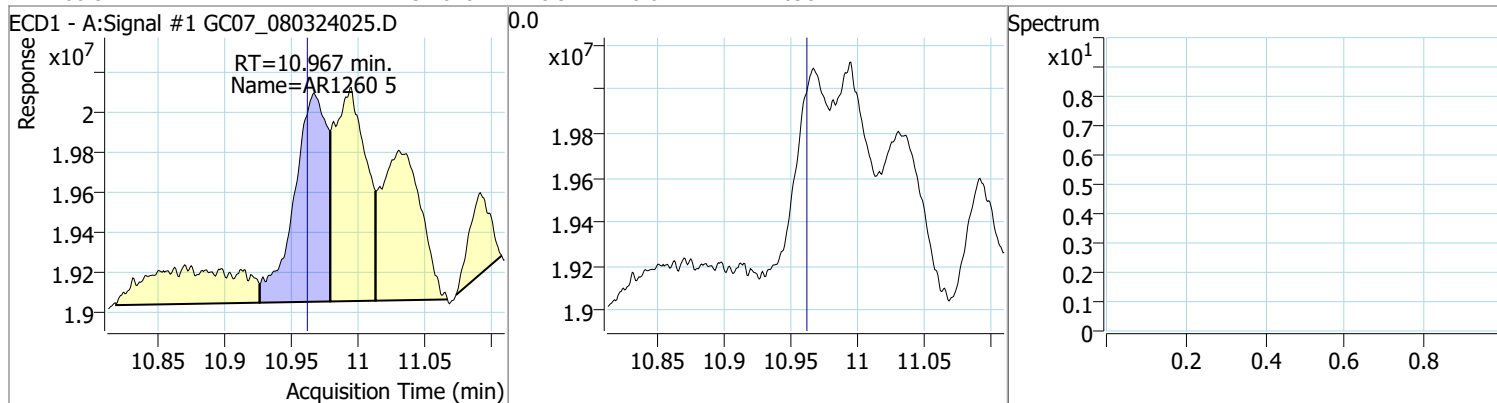
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	104.6122	10.23	-0.05	6675364				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.8071	10.60	-0.10	255241				

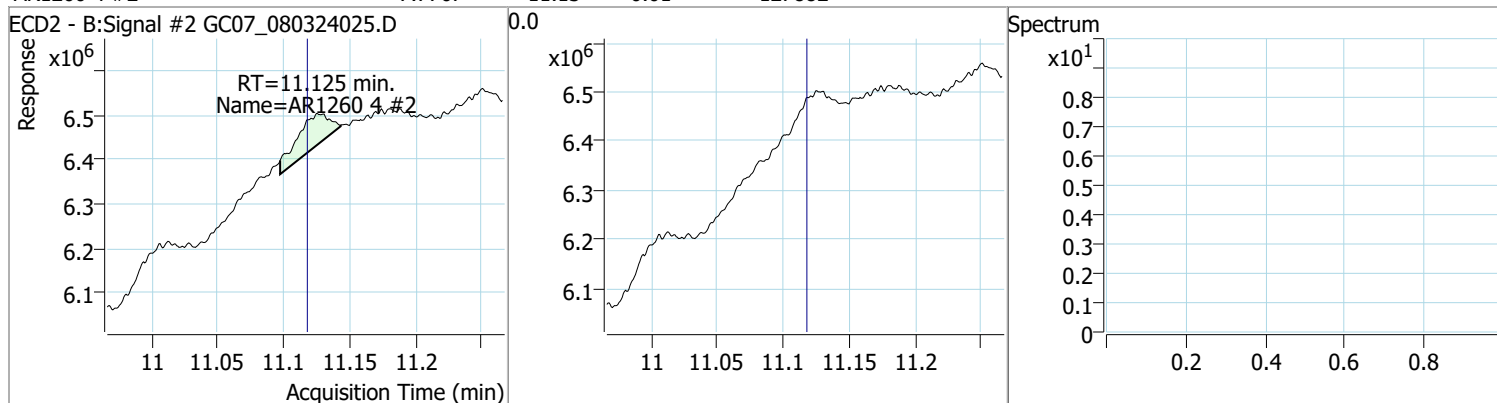


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.1626	10.97	0.01	1769871				

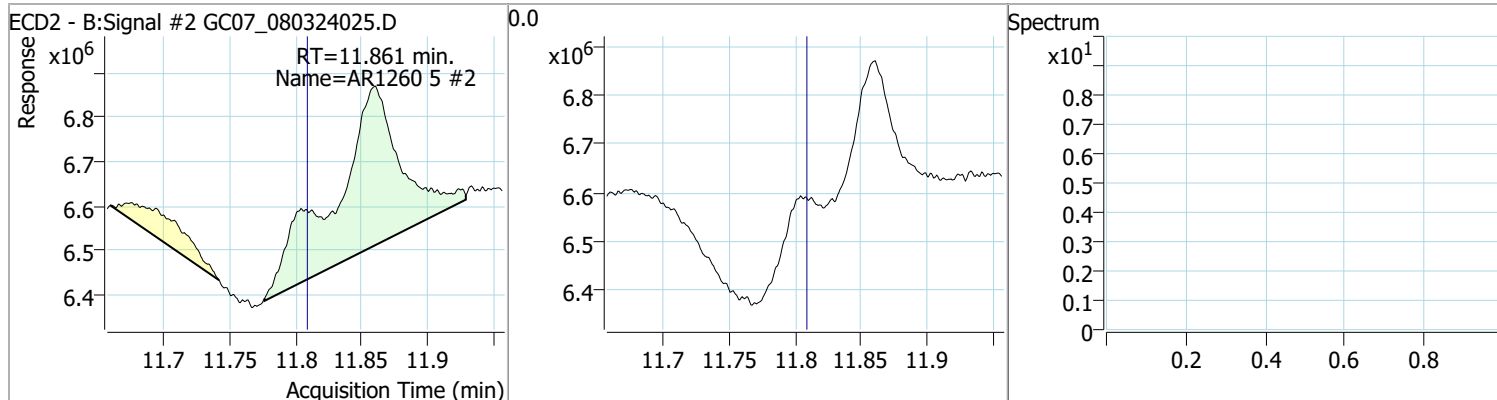


Quantitation Results Report (Not Reviewed)

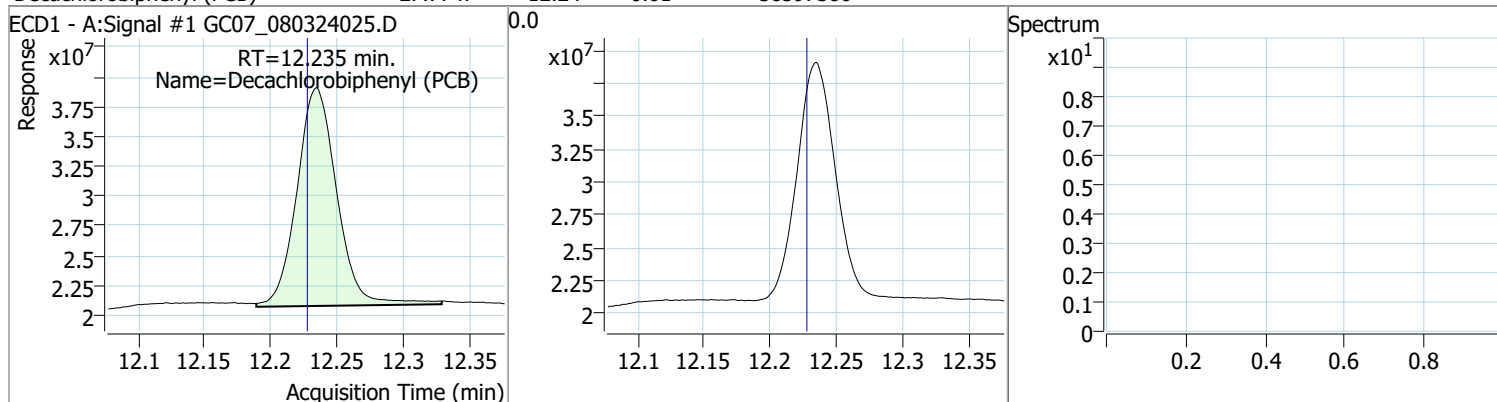
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.7707	11.13	0.01	127882				



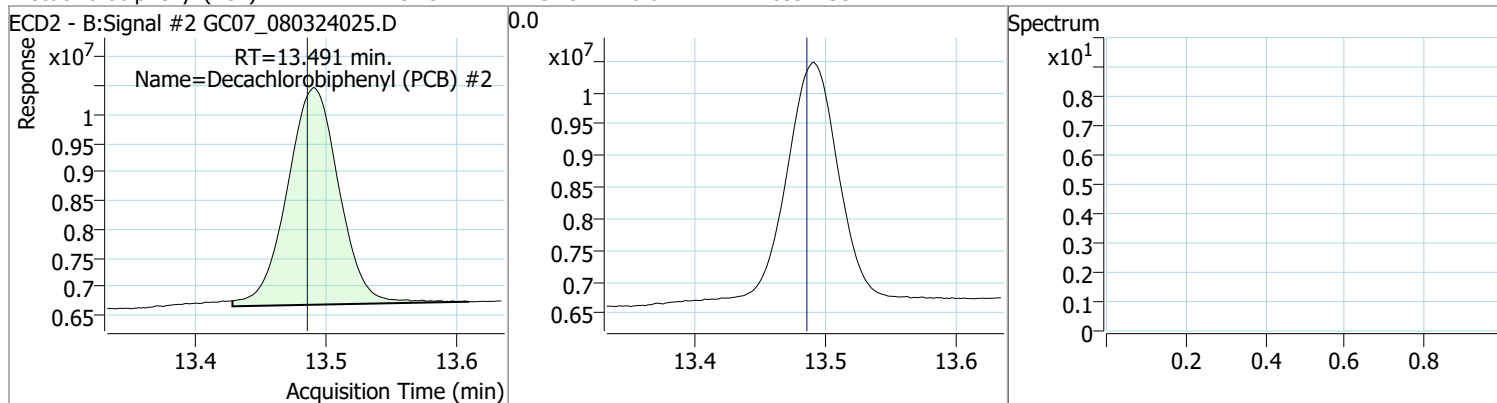
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	51.9820	11.86	0.05	1270001				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	27.7747	12.24	0.01	38397380				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.9741	13.49	0.01	10391493				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC07	Lab ID: 513228-009	Client ID: DOOR-S-15.8GE-DG-6 TO 19-240731-P-LA
Seqnum: 464311880026	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc07_080324026	Batch: 346727	Time: 03-AUG-2024 21:05
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	24.75	ug/L	ND	1.5	145%	0.50		u
Aroclor-1016 Peak # 1	B	37.43	ug/L	0.37	0.47	23%			
Aroclor-1016 Peak # 2	B	7.989	ug/L	0.08	0.07	6%			
Aroclor-1016 Peak # 3	B	67.01	ug/L	0.67	0.62	7%			
Aroclor-1016 Peak # 4	B	9.733	ug/L	0.10	4.23	191%			
Aroclor-1016 Peak # 5	B	1.603	ug/L	0.02	2.29	197%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	27.42	ug/L	ND	0.64	80%	0.50		u
Aroclor-1260 Peak # 1	B	25.31	ug/L	0.25	1.55	144%			
Aroclor-1260 Peak # 2	B	3.475	ug/L	0.03	0.00	159%			
Aroclor-1260 Peak # 3	B	70.67	ug/L	0.71	0.34	69%			
Aroclor-1260 Peak # 4	B	4.777	ug/L	0.05	0.90	180%			
Aroclor-1260 Peak # 5	B	32.85	ug/L	0.33	0.40	19%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.50	pg/uL	0.5000	0.3750	75	19-121	u
Decachlorobiphenyl (PCB)	B	32.50	pg/uL	0.5000	0.3250	65	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	6525979	-19.65
1-bromo-2-nitrobenzene (PCB)	A	35201723	27383904	-22.21

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

08/05/24 : SOIL/10G-10ML

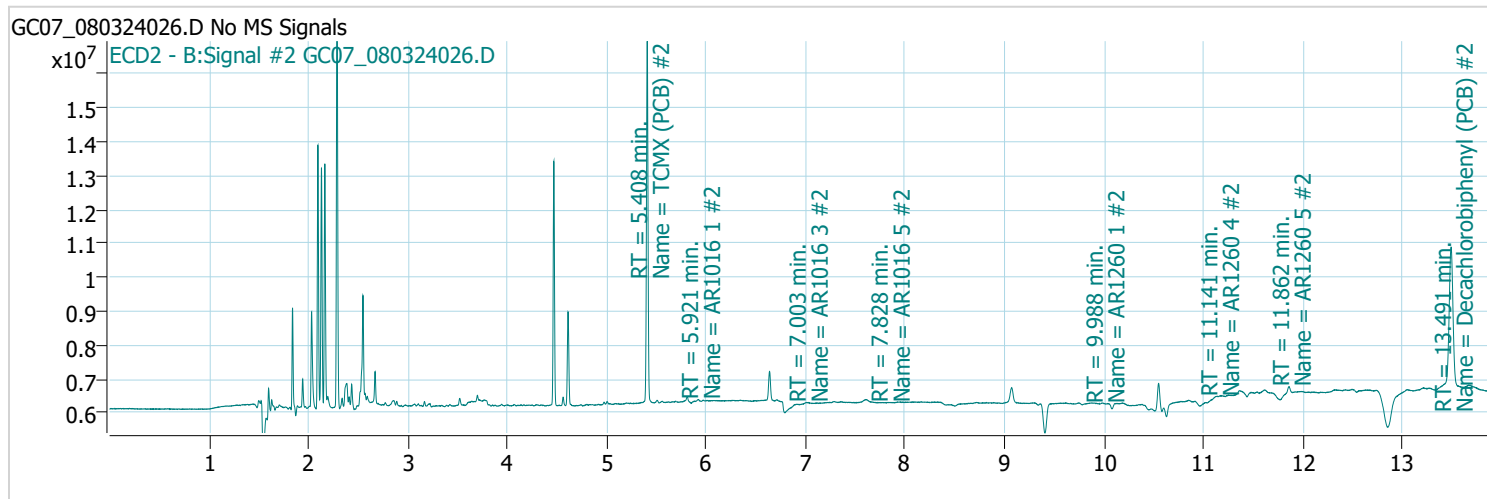
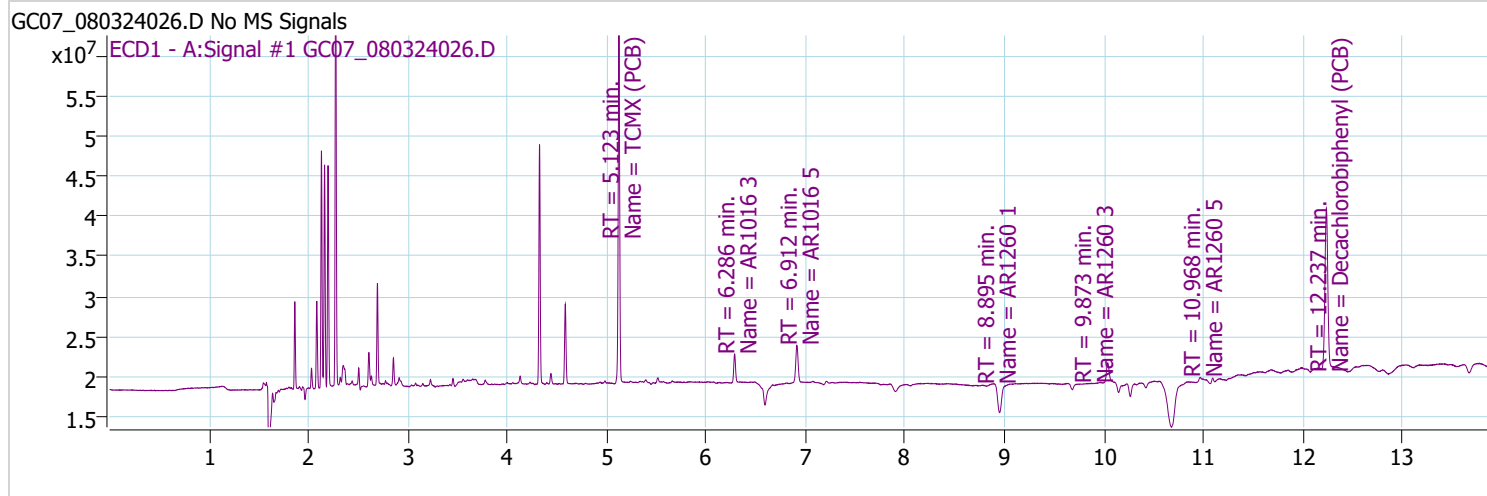
u=use

Analyst: MES 08/05/24

Reviewer: BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 9:05:16 PM
Sample Name	513228-009, 346569, 1	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	27383904.4 92	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	6525979.40 3	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	46554220.0 68	36.2916	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.46%	*	
S TCMX (PCB) #2	5.408	0.0	11737386.0 57	37.4974	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.49%	*	
S Decachlorobiphenyl (PCB)	12.237	0.0	42251252.1 79	27.9848	ng/ml	0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 139.92%		
S Decachlorobiphenyl (PCB) #2	13.491	0.0	11586856.4 32	32.5003	ng/ml	0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.50%	*	

Target Compounds

QValue

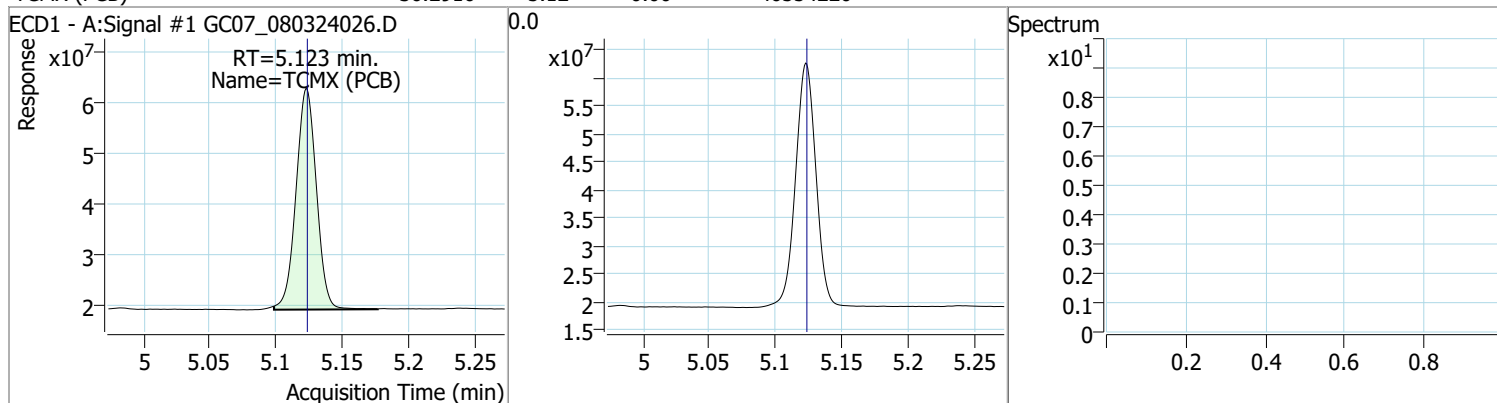
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.514	0.0	1125995.65 0	47.0417	ng/ml	100
T AR1016 2	5.842	0.0	372671.044	7.4946	ng/ml	100
T AR1016 1 #2	5.921	0.0	257929.392	37.4327	ng/ml	100
T AR1016 3	6.286	0.0	4678207.62 8	62.3213	ng/ml	100
T AR1016 2 #2	6.346	0.0	113728.155	7.9887	ng/ml	100
T AR1016 4	6.348	0.0	17592989.3 18	422.8237	ng/ml	100
T AR1016 3 #2	7.003	0.0	1189828.58 8	67.0122	ng/ml	100
T AR1016 5	6.912	0.0	8393571.98 9	229.4958	ng/ml	100
T AR1016 4 #2	7.003	0.0	127752.268	9.7332	ng/ml	100
T AR1016 5 #2	7.828	0.0	17019.800	1.6033	ng/ml	100
T AR1260 1	8.895	0.0	11357003.6 89	154.8272	ng/ml	100
T AR1260 2	9.503	0.0	43915.943	0.3920	ng/ml	100
T AR1260 3	9.873	0.0	4154851.31 0	34.4688	ng/ml	100
T AR1260 1 #2	9.988	0.0	477906.833	25.3126	ng/ml	100
T AR1260 2 #2	10.351	0.0	82412.721	3.4746	ng/ml	100
T AR1260 4	10.230	0.0	6279558.99 3	90.1096	ng/ml	100
T AR1260 3 #2	10.770	0.0	2017558.39 5	70.6675	ng/ml	100
T AR1260 5	10.968	0.0	3301154.20 2	39.5591	ng/ml	100
T AR1260 4 #2	11.141	0.0	86236.687	4.7769	ng/ml	100
T AR1260 5 #2	11.862	0.0	880335.967	32.8472	ng/ml	100

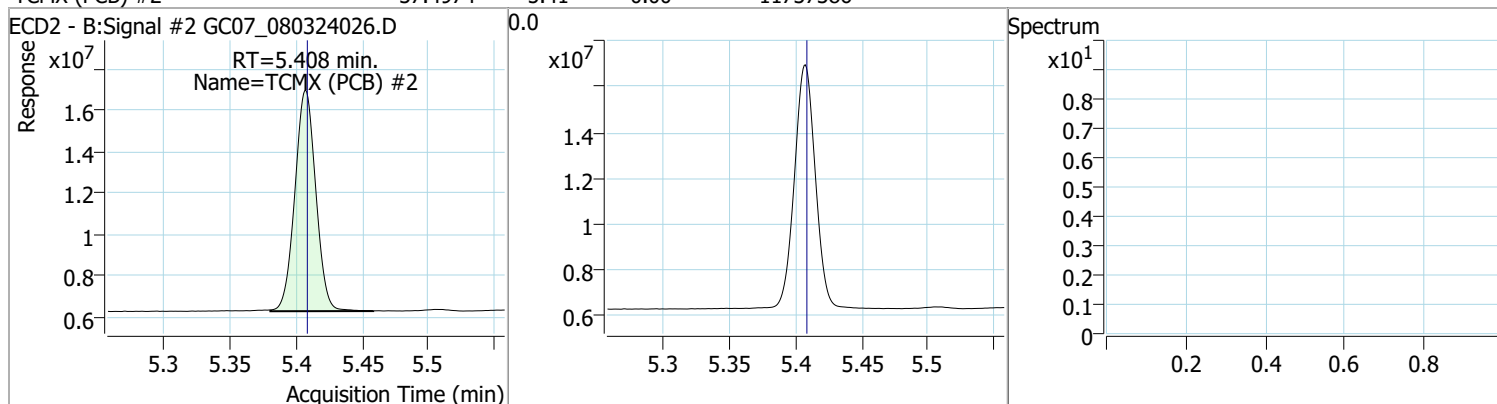
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

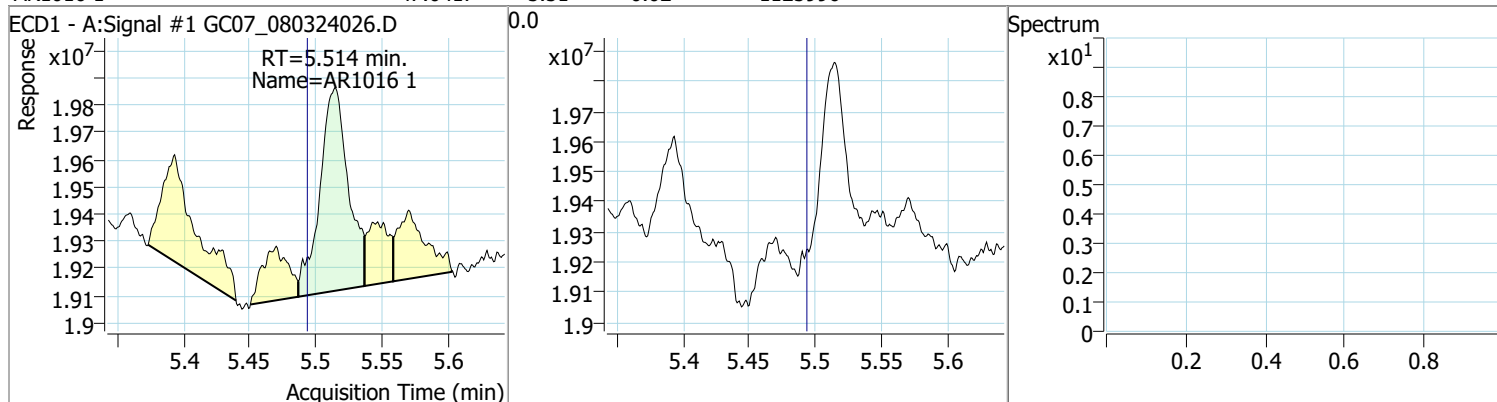
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.2916	5.12	0.00	46554220				



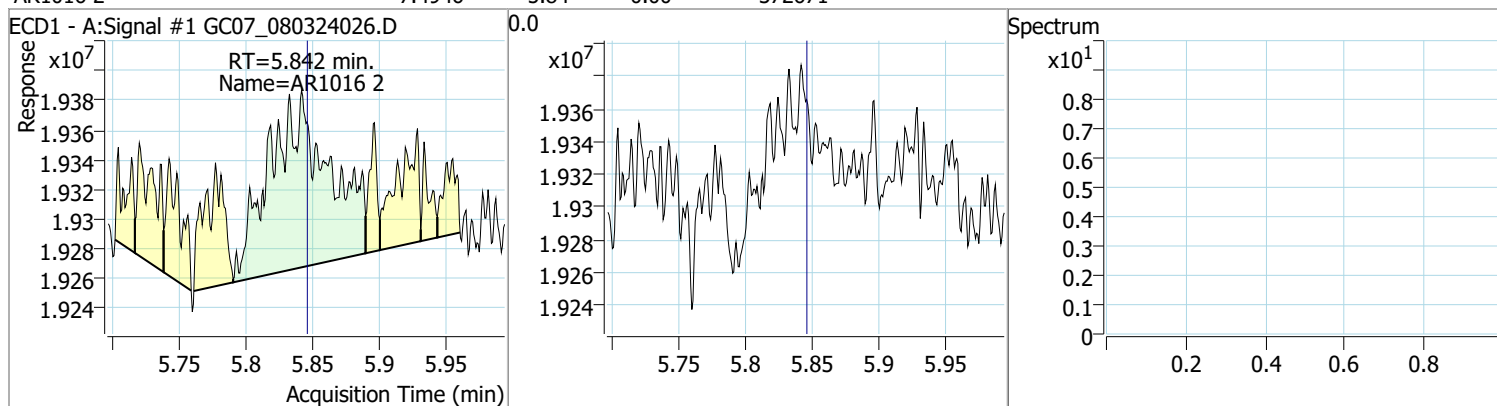
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.4974	5.41	0.00	11737386				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	47.0417	5.51	0.02	1125996				

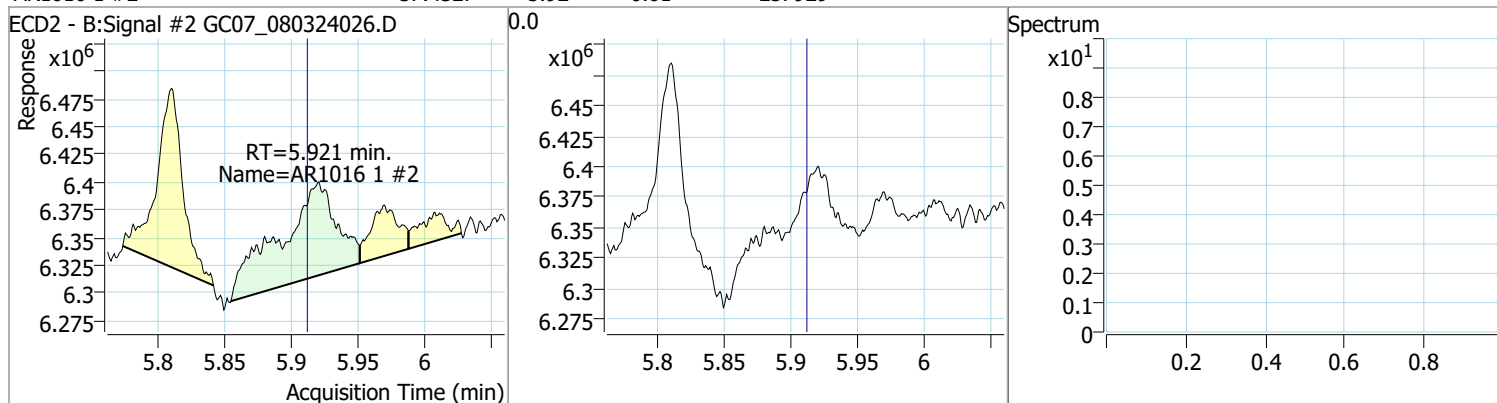


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.4946	5.84	0.00	372671				

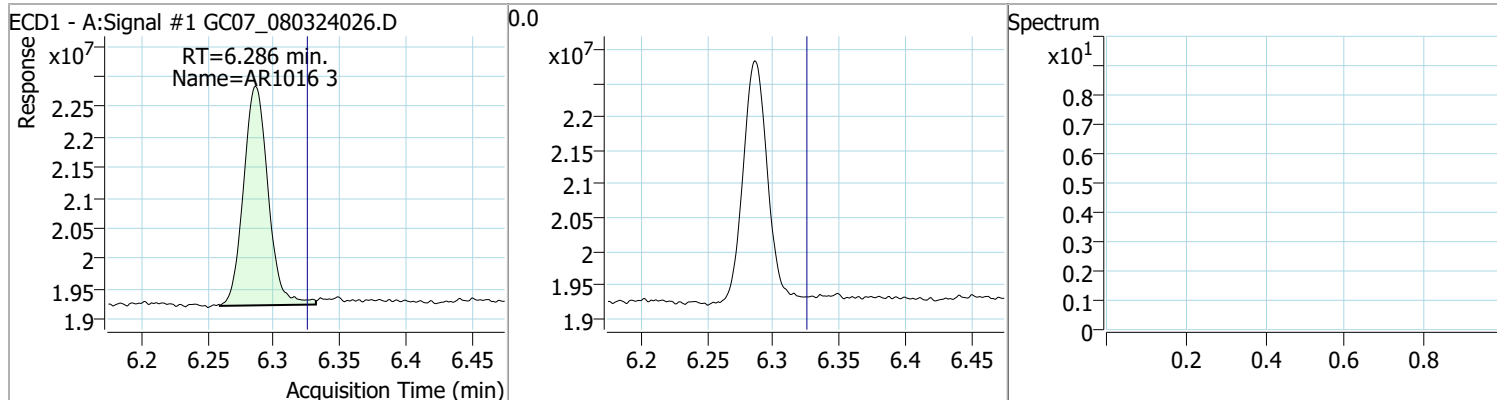


Quantitation Results Report (Not Reviewed)

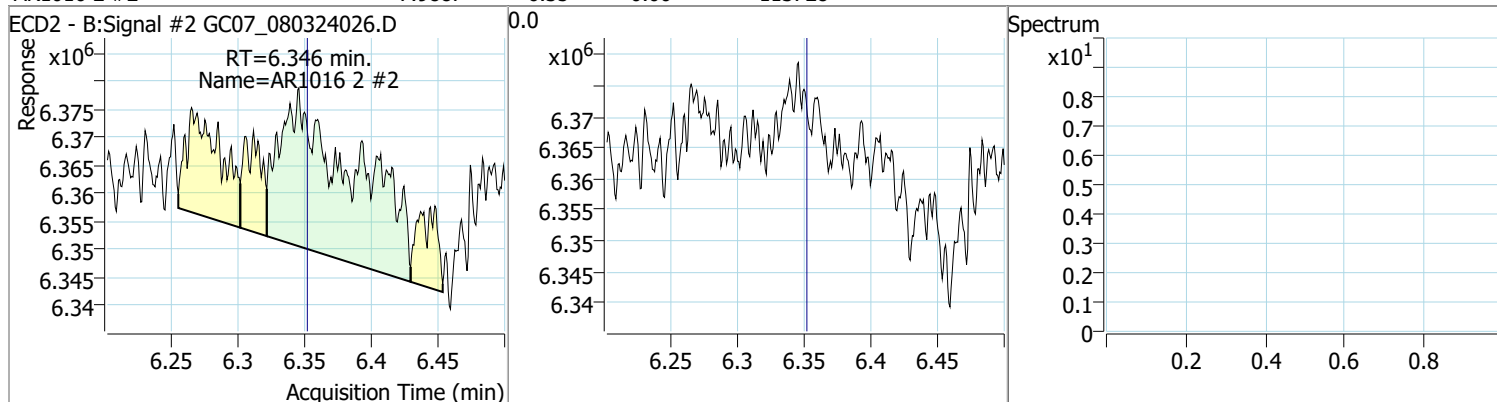
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	37.4327	5.92	0.01	257929				



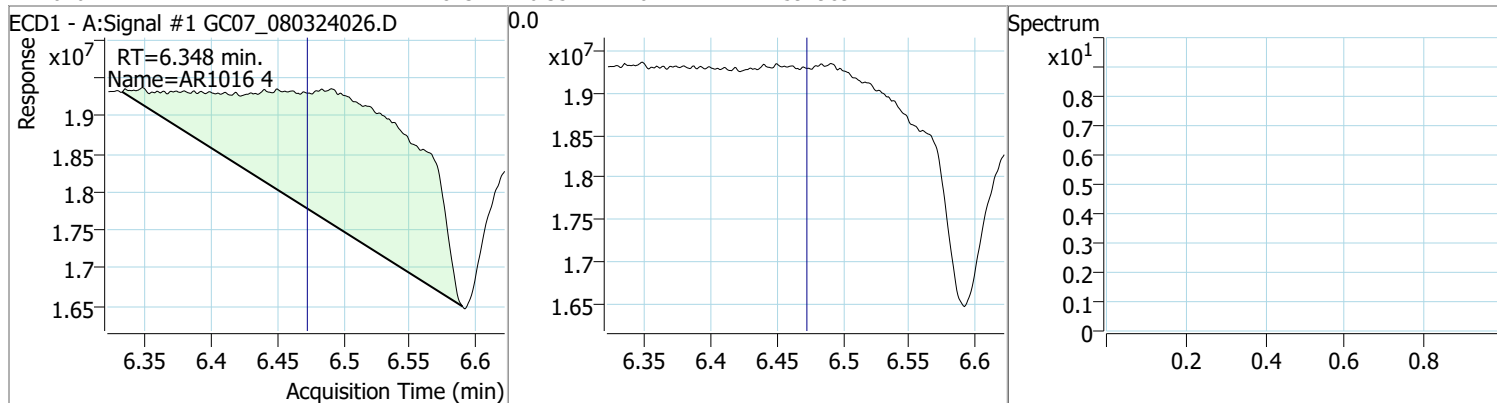
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	62.3213	6.29	-0.04	4678208				



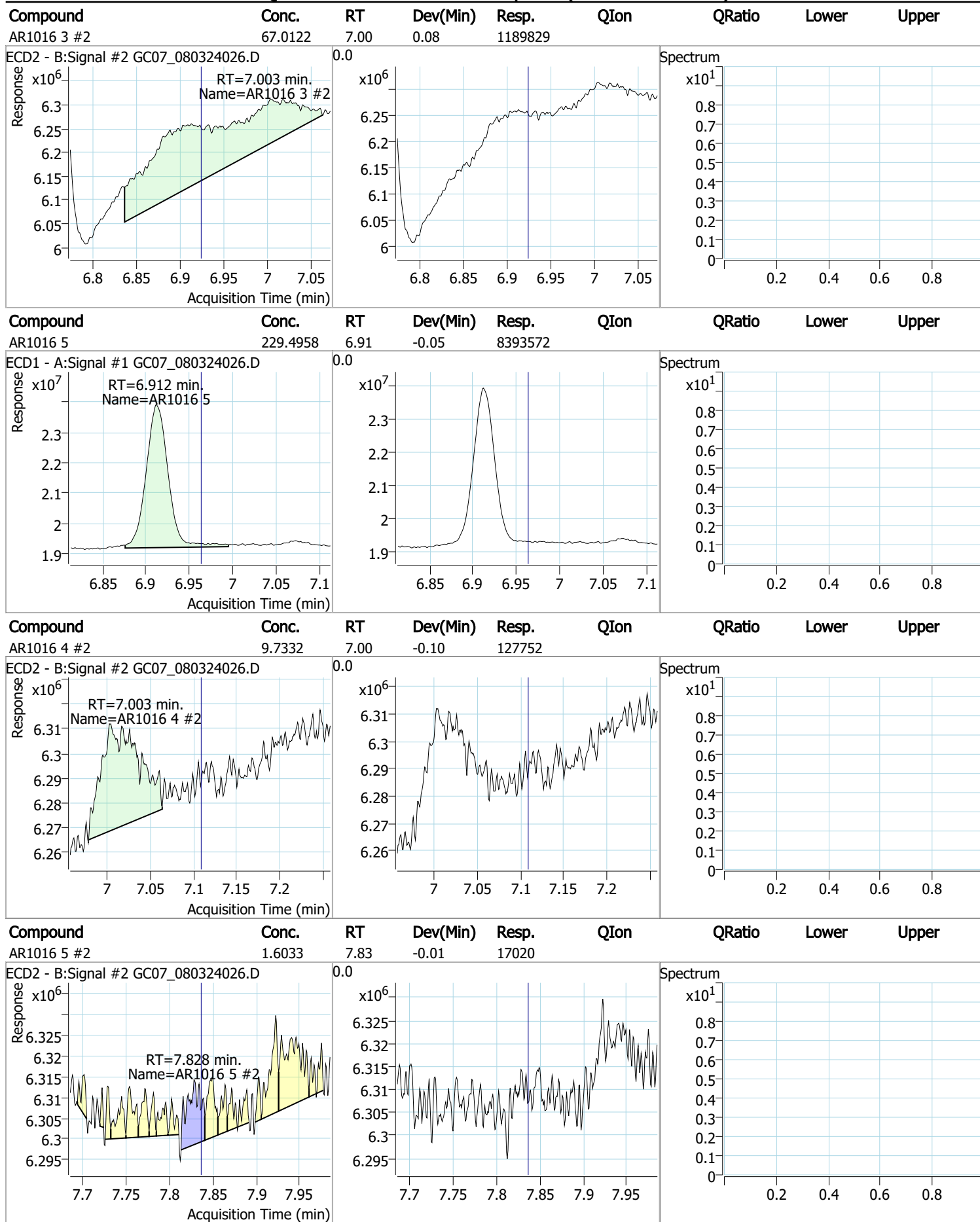
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.9887	6.35	0.00	113728				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	422.8237	6.35	-0.12	17592989				

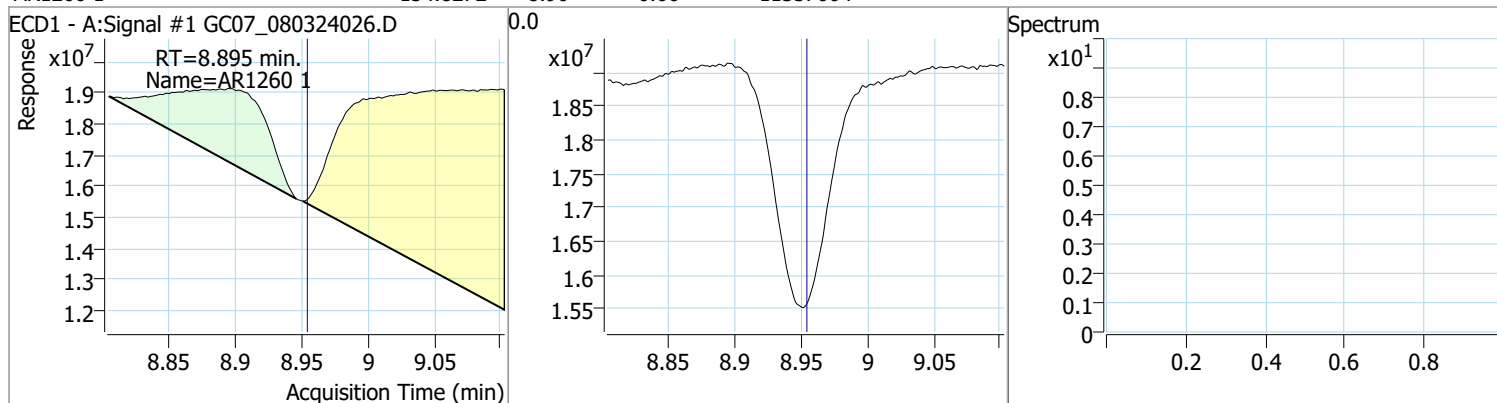


Quantitation Results Report (Not Reviewed)

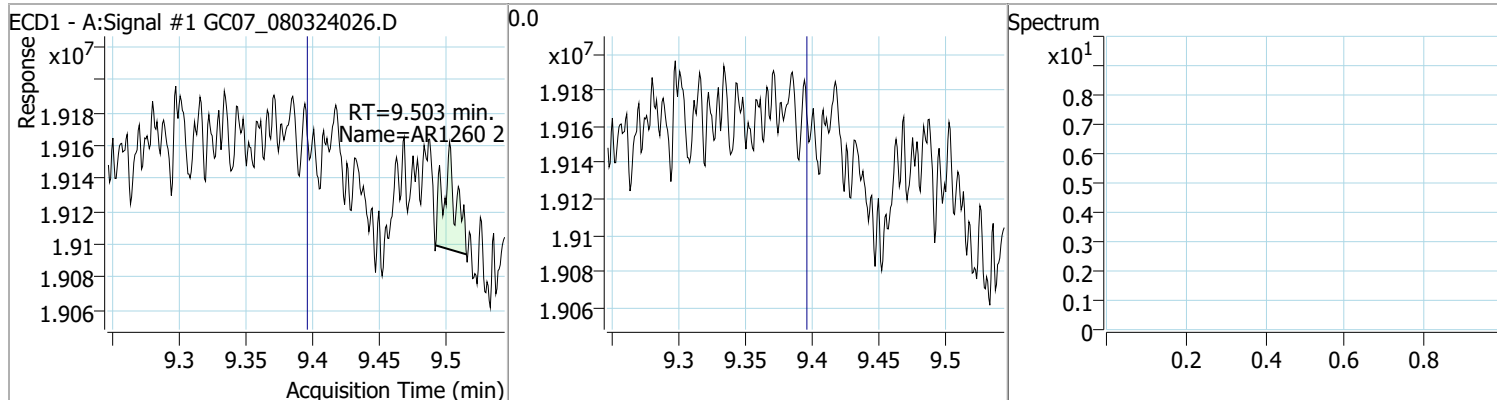


Quantitation Results Report (Not Reviewed)

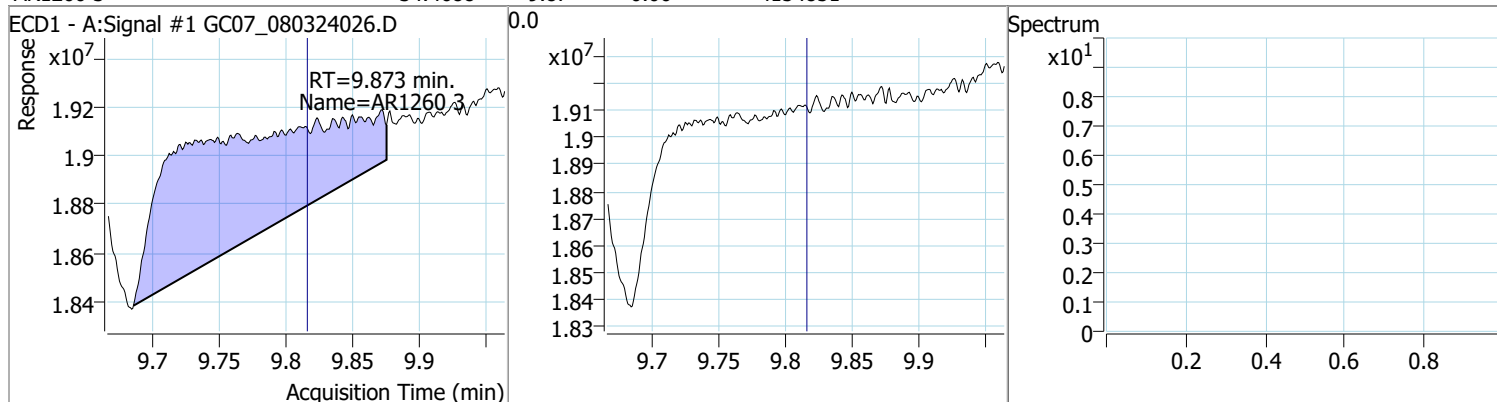
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	154.8272	8.90	-0.06	11357004				



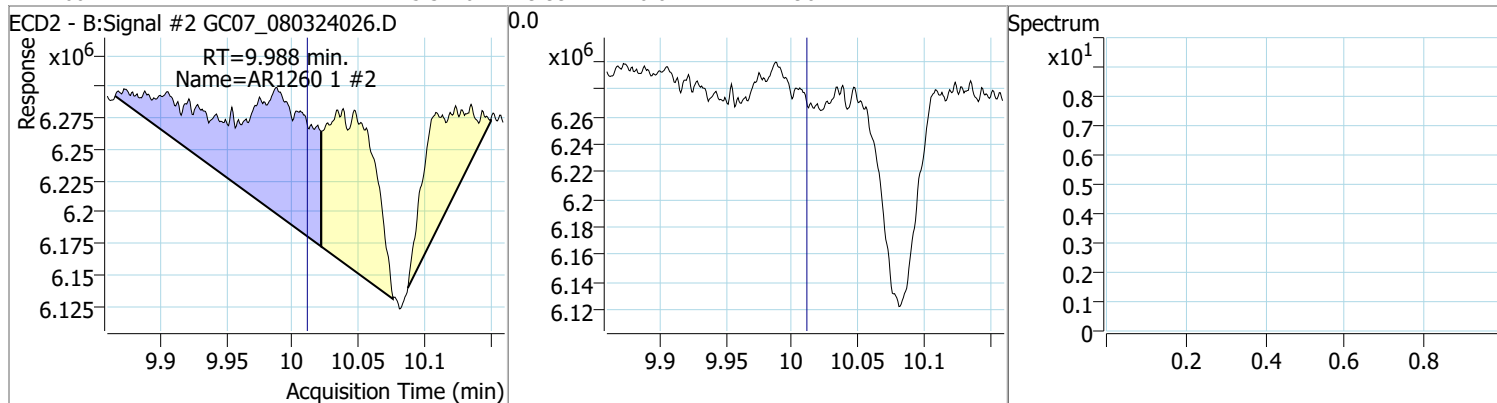
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3920	9.50	0.11	43916				



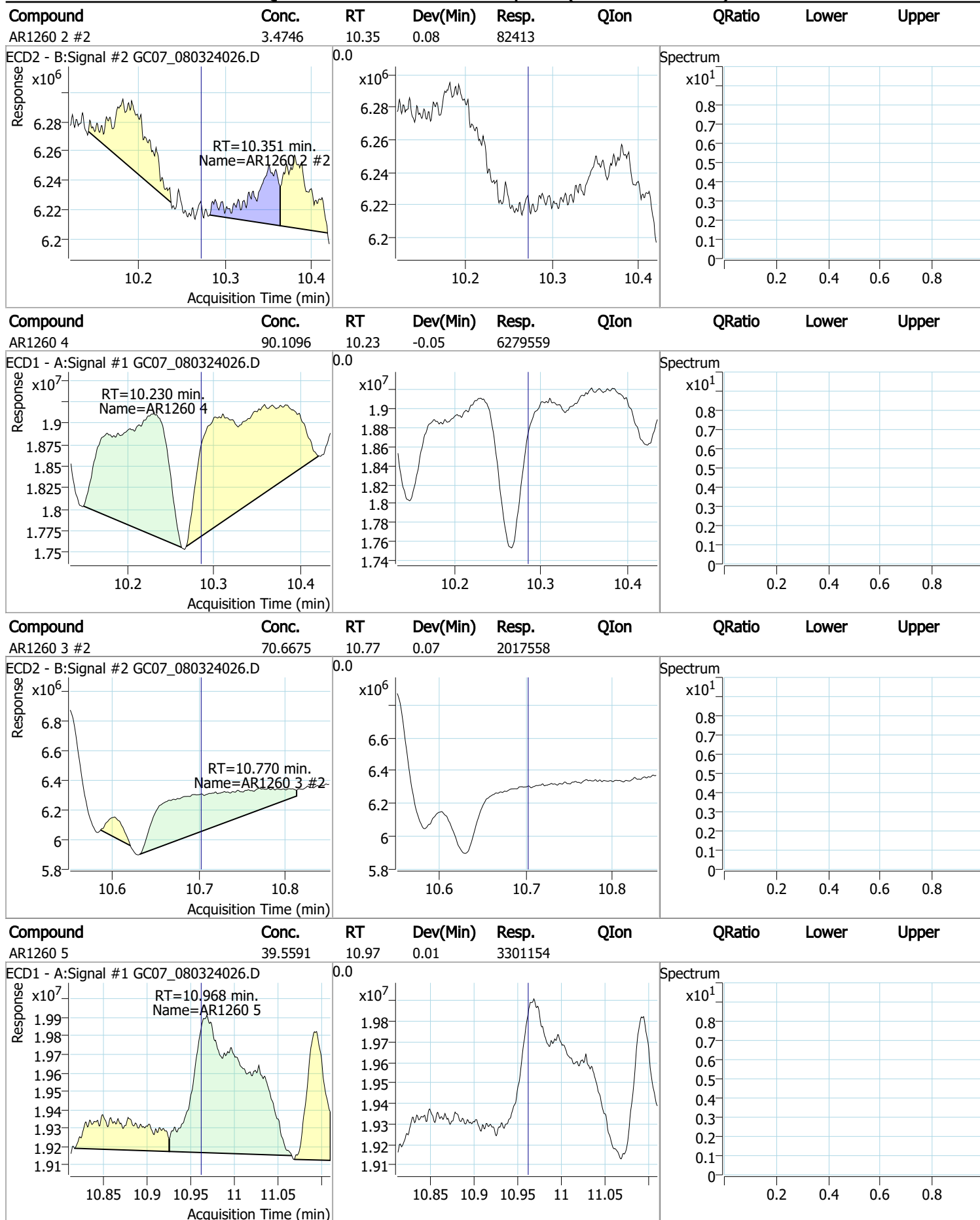
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	34.4688	9.87	0.06	4154851				



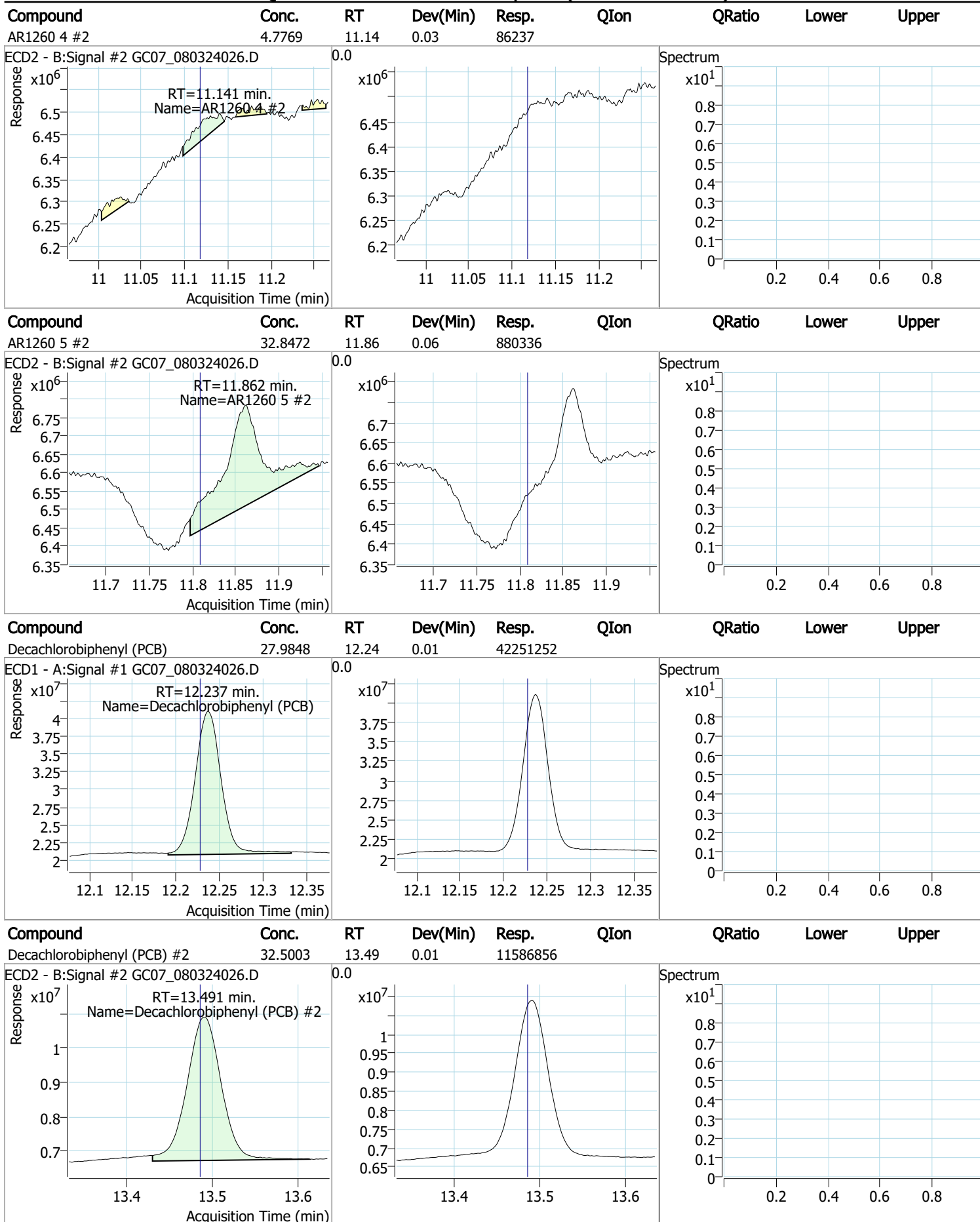
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	25.3126	9.99	-0.02	477907				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 513228 PCBS Wipe

EPA 8082

Inst: SVOA-GC07	Lab ID: QC1174809	
Seqnum: 464311880012.2	Matrix: Wipe	
File: gc07_080324012	Batch: 346727	Time: 03-AUG-2024 17:00
Cal: 464259633001	Caldate: 28-JUN-2024	
IDF: 1.0		Units: ug/dm2

- 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	32.73	ug/L	ND	2.1	145%	0.50	u
Aroclor-1016 Peak # 1	B	25.39	ug/L	0.25	2.06	156%		
Aroclor-1016 Peak # 2	B	20.41	ug/L	0.20	0.19	5%		
Aroclor-1016 Peak # 3	B	116.0	ug/L	1.16	ND	290%		
Aroclor-1016 Peak # 4	B	0.7332	ug/L	0.01	5.78	199%		
Aroclor-1016 Peak # 5	B	1.170	ug/L	0.01	2.49	198%		
Aroclor-1221	B			ND			0.50	u
Aroclor-1232	B			ND			0.50	u
Aroclor-1242	B			ND			0.50	u
Aroclor-1248	B			ND			0.50	u
Aroclor-1254	B			ND			0.50	u
Aroclor-1260	B	17.96	ug/L	ND	0.49	93%	0.50	u
Aroclor-1260 Peak # 1	B	21.93	ug/L	0.22	1.14	135%		
Aroclor-1260 Peak # 2	B	8.592	ug/L	0.09	0.02	139%		
Aroclor-1260 Peak # 3	B	55.31	ug/L	0.55	0.34	49%		
Aroclor-1260 Peak # 4	B	2.446	ug/L	0.02	0.79	188%		
Aroclor-1260 Peak # 5	B	1.540	ug/L	0.02	0.19	170%		
Aroclor-1262	B			ND			0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.71	pg/uL	0.5000	0.3971	79	19-121	u
Decachlorobiphenyl (PCB)	B	38.86	pg/uL	0.5000	0.3886	78	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	8975043	10.51
1-bromo-2-nitrobenzene (PCB)	A	35201723	40468960	14.96

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+OCCV/BS+OCCV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_080324004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.33	0.01

08/05/24 : SOIL/10G-10ML [general version]

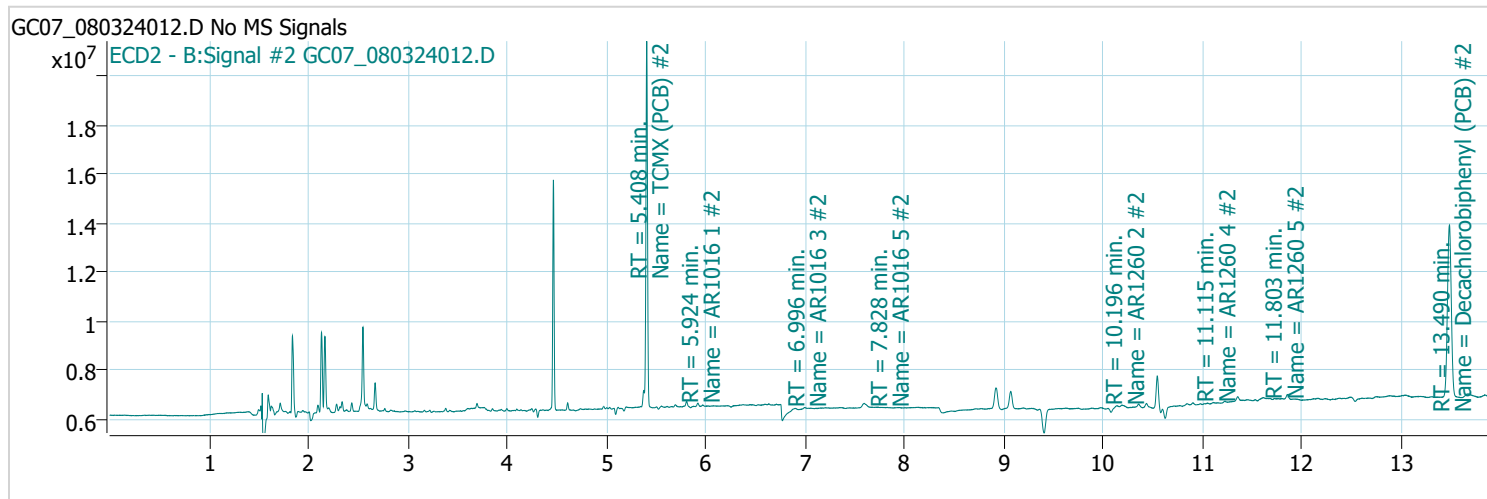
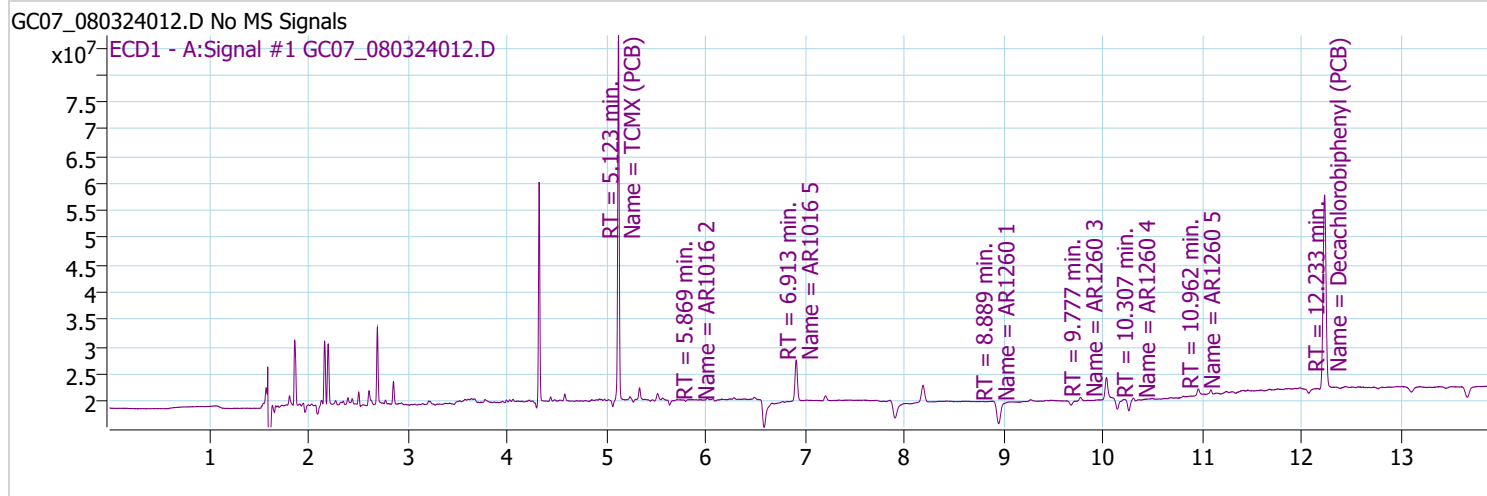
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Analyst: MES 08/05/24

Reviewer: BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324012.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 5:00:02 PM
Sample Name	QC1174809, 346569, 1	Instrument	SVOA-GC07
Vial	2	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	40468960.246	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8975043.459	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	75080728.425	39.6049	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.02%	*	
S TCMX (PCB) #2	5.408	0.0	17095122.779	39.7110	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.56%	*	
S Decachlorobiphenyl (PCB)	12.233	0.0	77052201.600	34.5335	ng/ml	0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.67%	*	
S Decachlorobiphenyl (PCB) #2	13.490	0.0	19051734.043	38.8567	ng/ml	0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.28%	*	

Target Compounds

QValue

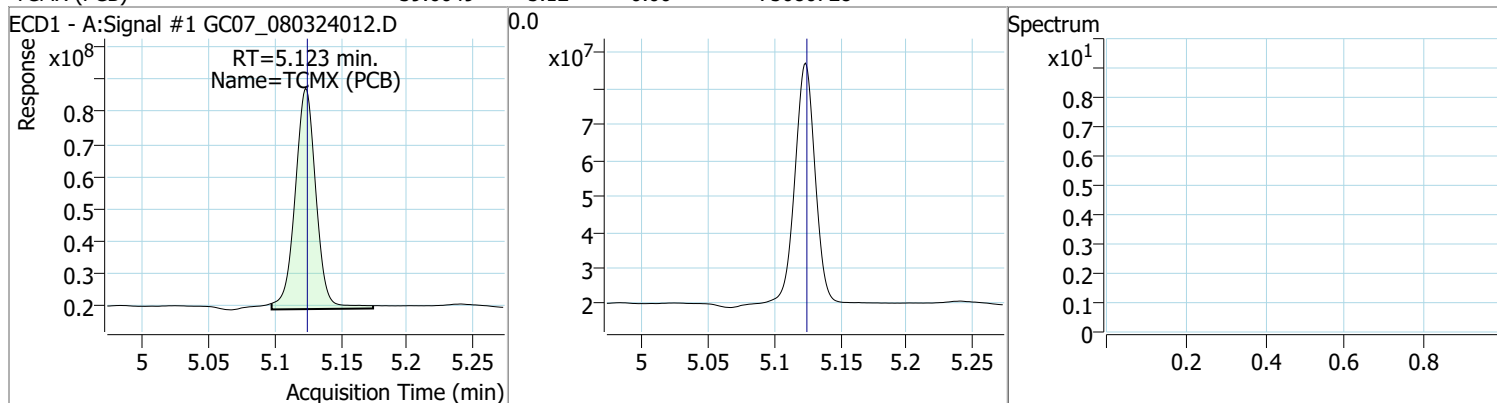
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.517	0.0	7304562.218	206.4969	ng/ml	100
T AR1016 2	5.869	0.0	1420625.655	19.3320	ng/ml	100
T AR1016 1 #2	5.924	0.0	240639.746	25.3938	ng/ml	100
T AR1016 3	6.336	0.0	99803.700	0.0000	ng/ml	100
T AR1016 2 #2	6.382	0.0	399667.365	20.4133	ng/ml	100
T AR1016 4	6.488	0.0	35569023.387	578.4488	ng/ml	100
T AR1016 3 #2	6.996	0.0	2831408.558	115.9527	ng/ml	100
T AR1016 5	6.913	0.0	13447174.780	248.7897	ng/ml	100
T AR1016 4 #2	7.131	0.0	13235.550	0.7332	ng/ml	100
T AR1016 5 #2	7.828	0.0	17075.447	1.1696	ng/ml	100
T AR1260 1	8.889	0.0	12362532.220	114.0419	ng/ml	100
T AR1260 2	9.434	0.0	255456.958	1.5430	ng/ml	100
T AR1260 3	9.777	0.0	5996297.841	33.6610	ng/ml	100
T AR1260 1 #2	9.980	0.0	569503.343	21.9330	ng/ml	100
T AR1260 2 #2	10.196	0.0	280269.000	8.5920	ng/ml	100
T AR1260 4	10.307	0.0	8135608.585	78.9961	ng/ml	100
T AR1260 3 #2	10.772	0.0	2171738.240	55.3109	ng/ml	100
T AR1260 5	10.962	0.0	2304103.195	18.6834	ng/ml	100
T AR1260 4 #2	11.115	0.0	60724.926	2.4458	ng/ml	100
T AR1260 5 #2	11.803	0.0	56758.663	1.5399	ng/ml	100

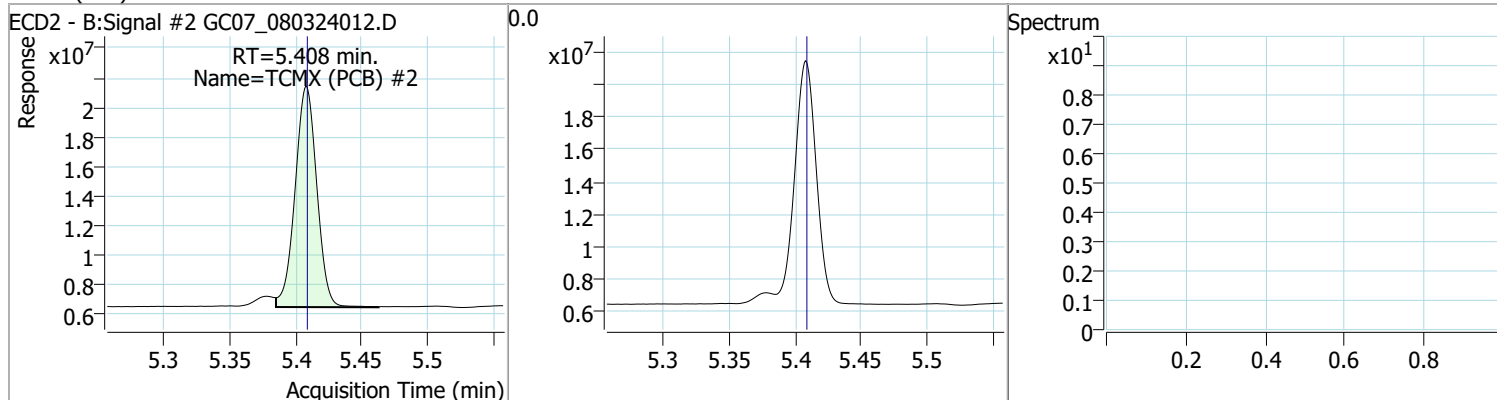
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

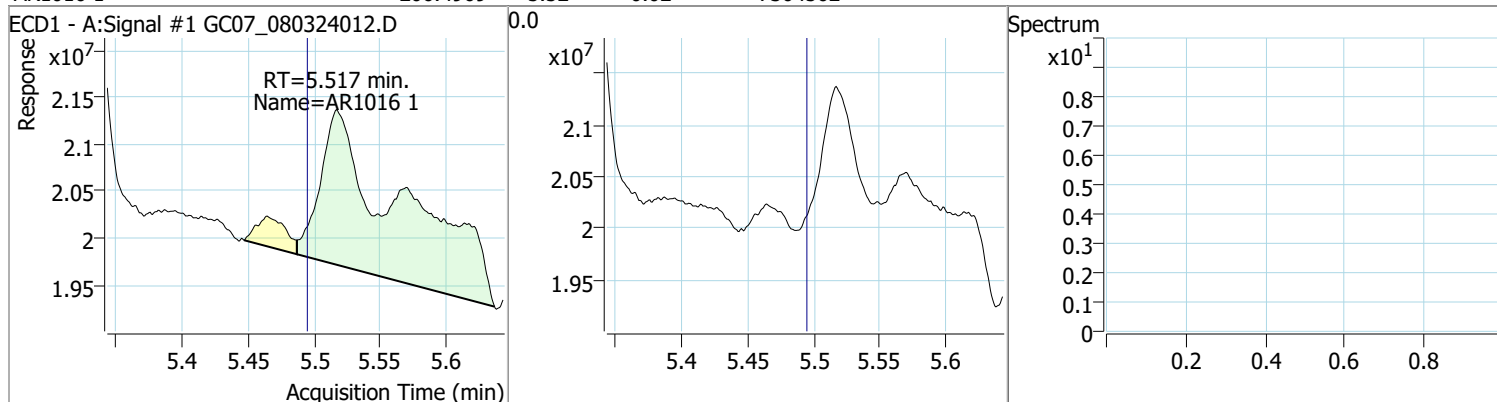
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.6049	5.12	0.00	75080728				



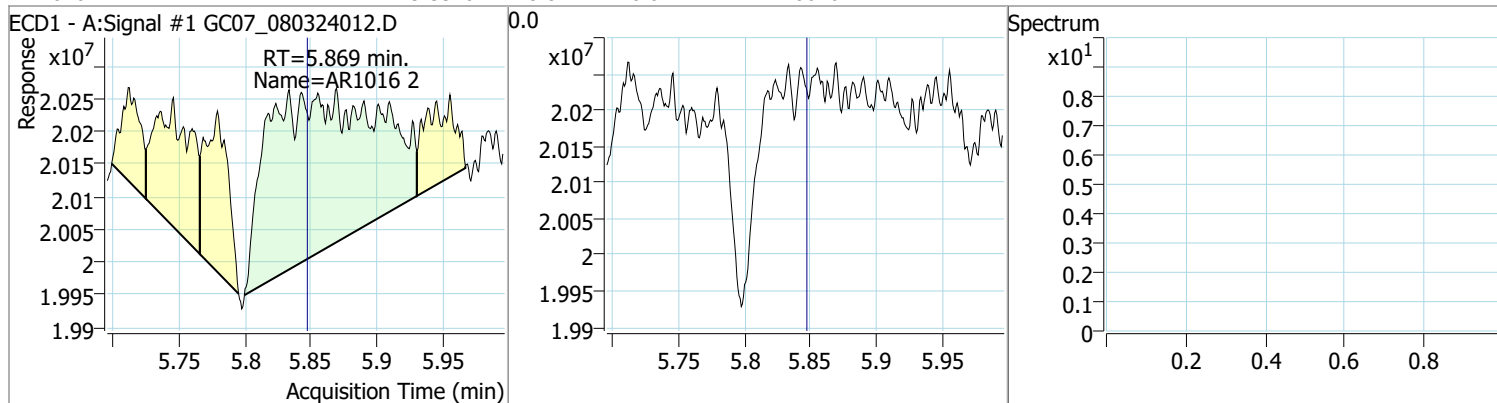
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.7110	5.41	0.00	17095123				



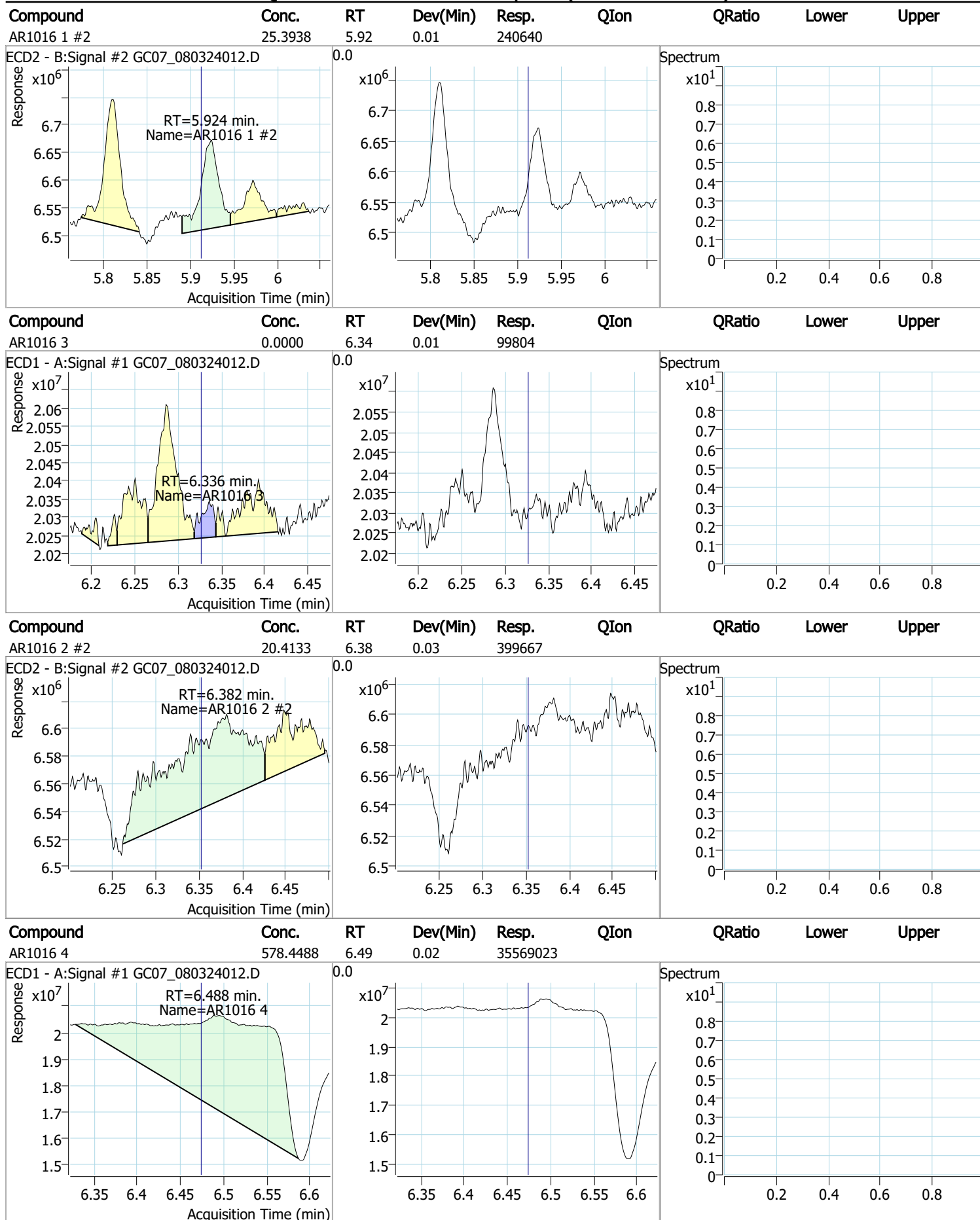
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	206.4969	5.52	0.02	7304562				



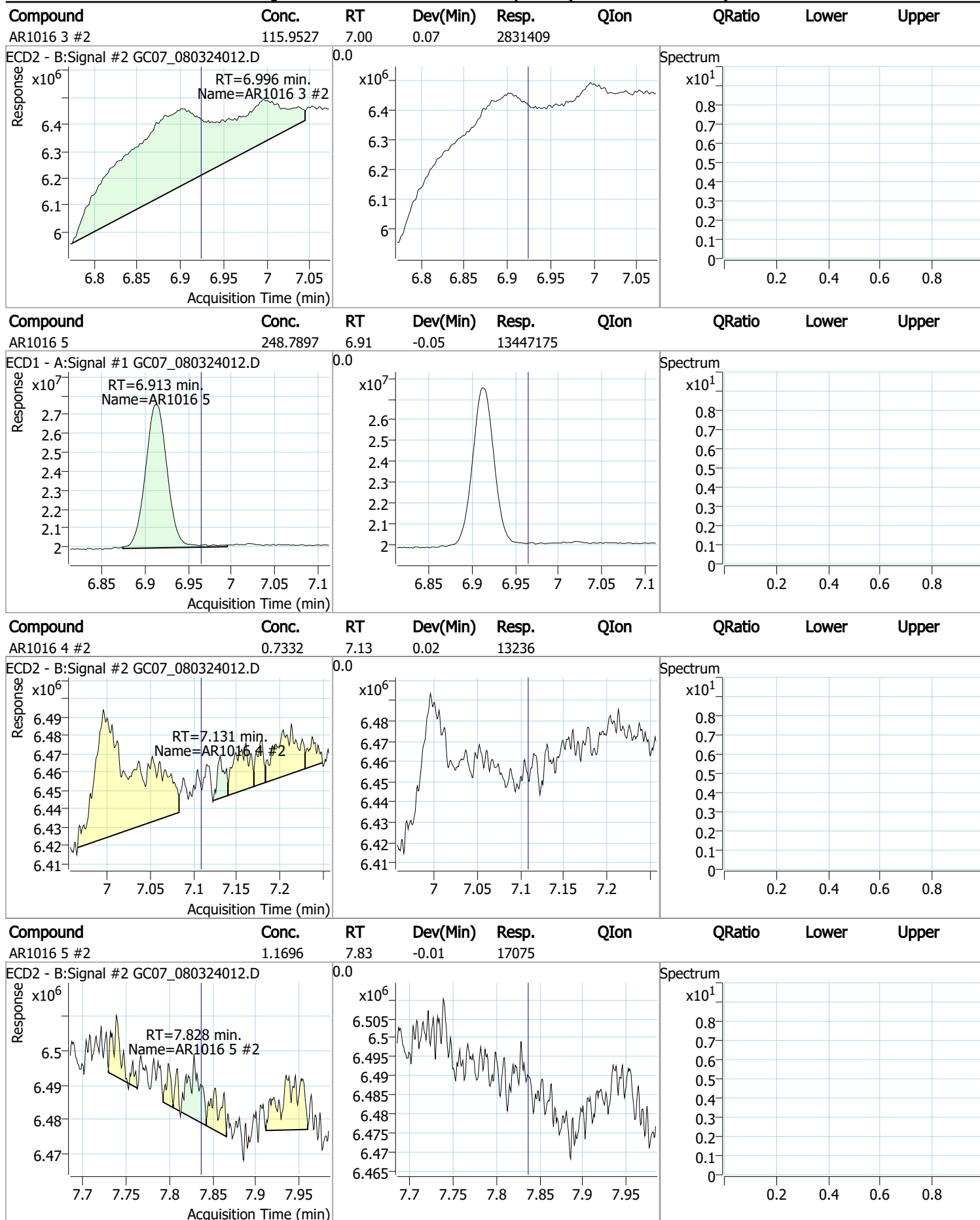
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	19.3320	5.87	0.02	1420626				



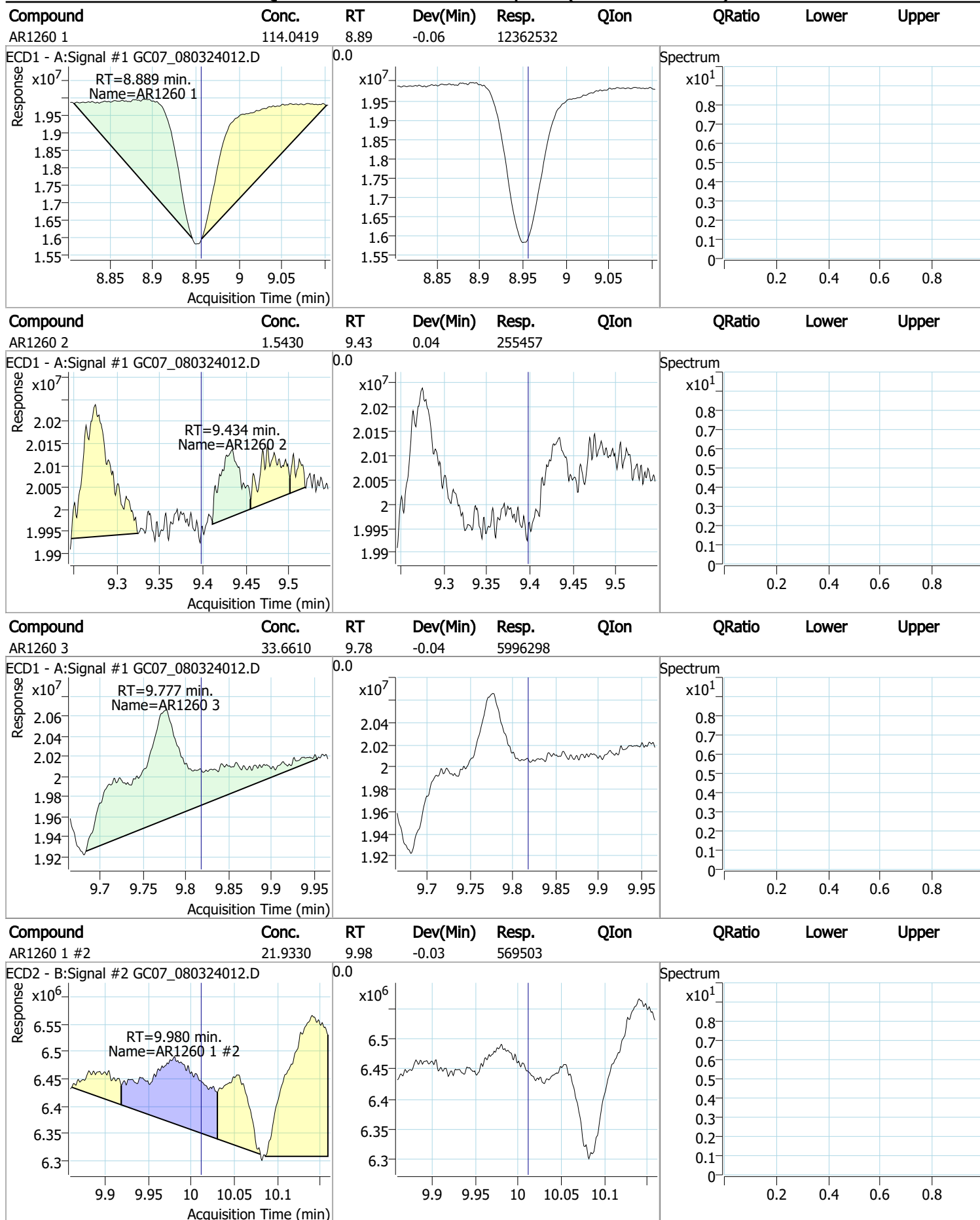
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

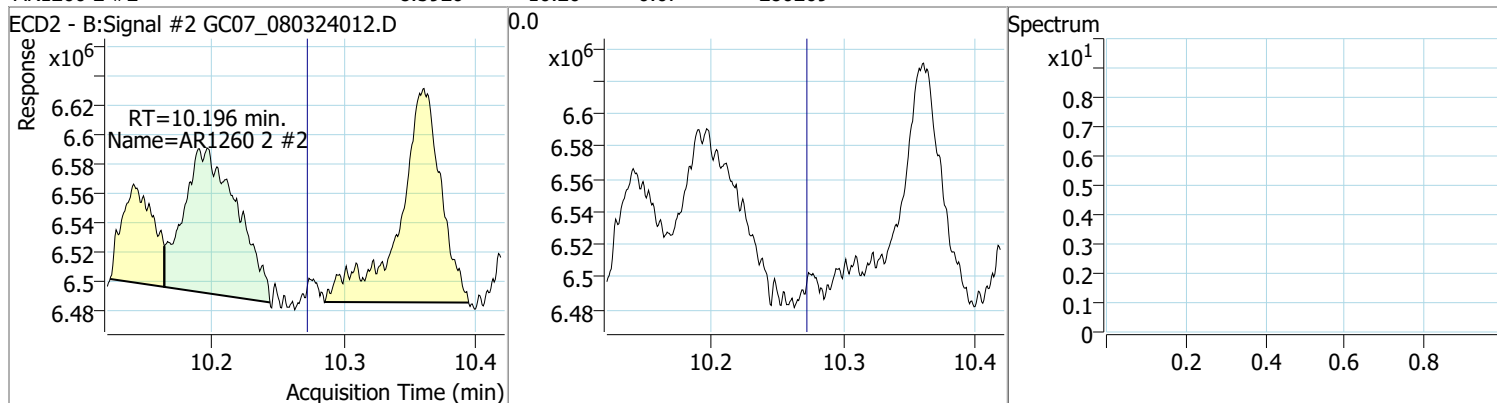


Quantitation Results Report (Not Reviewed)

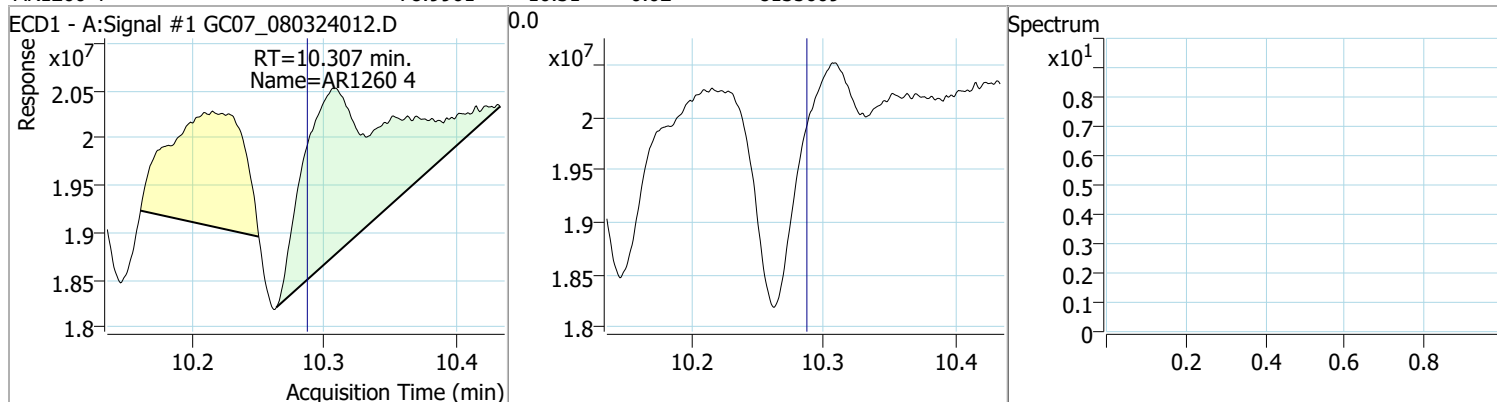


Quantitation Results Report (Not Reviewed)

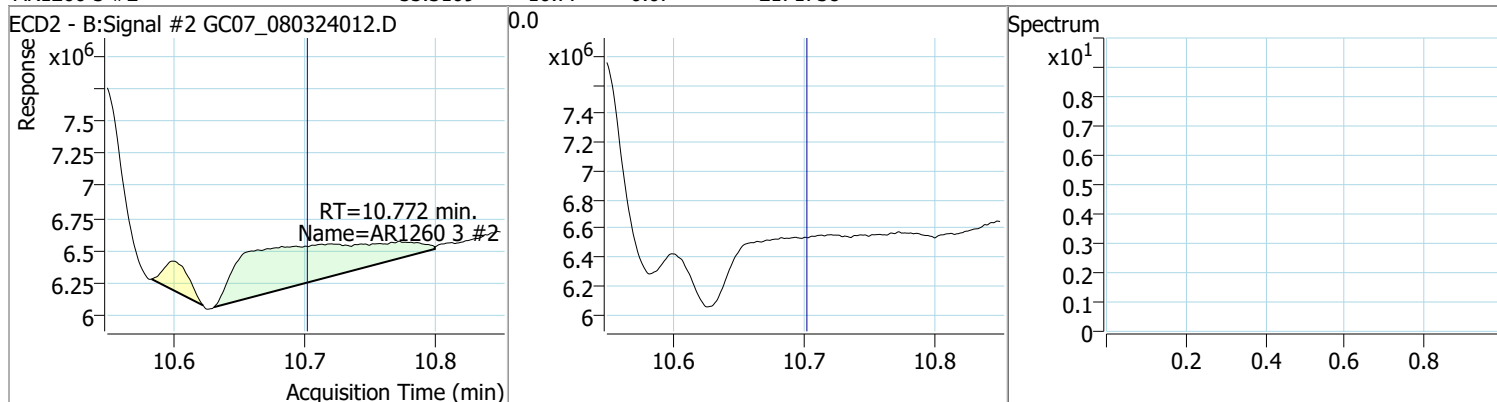
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	8.5920	10.20	-0.07	280269				



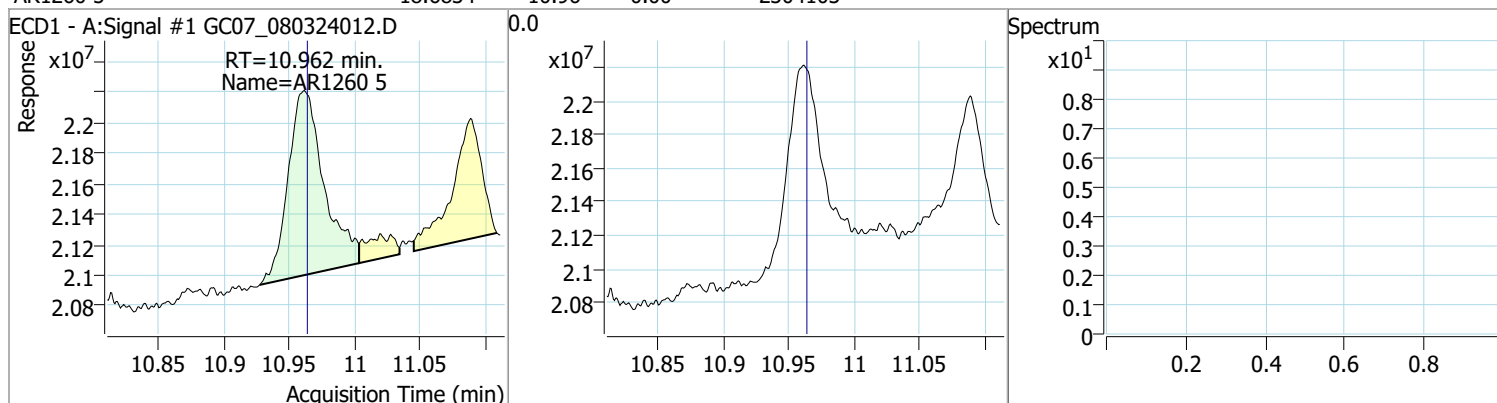
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	78.9961	10.31	0.02	8135609				



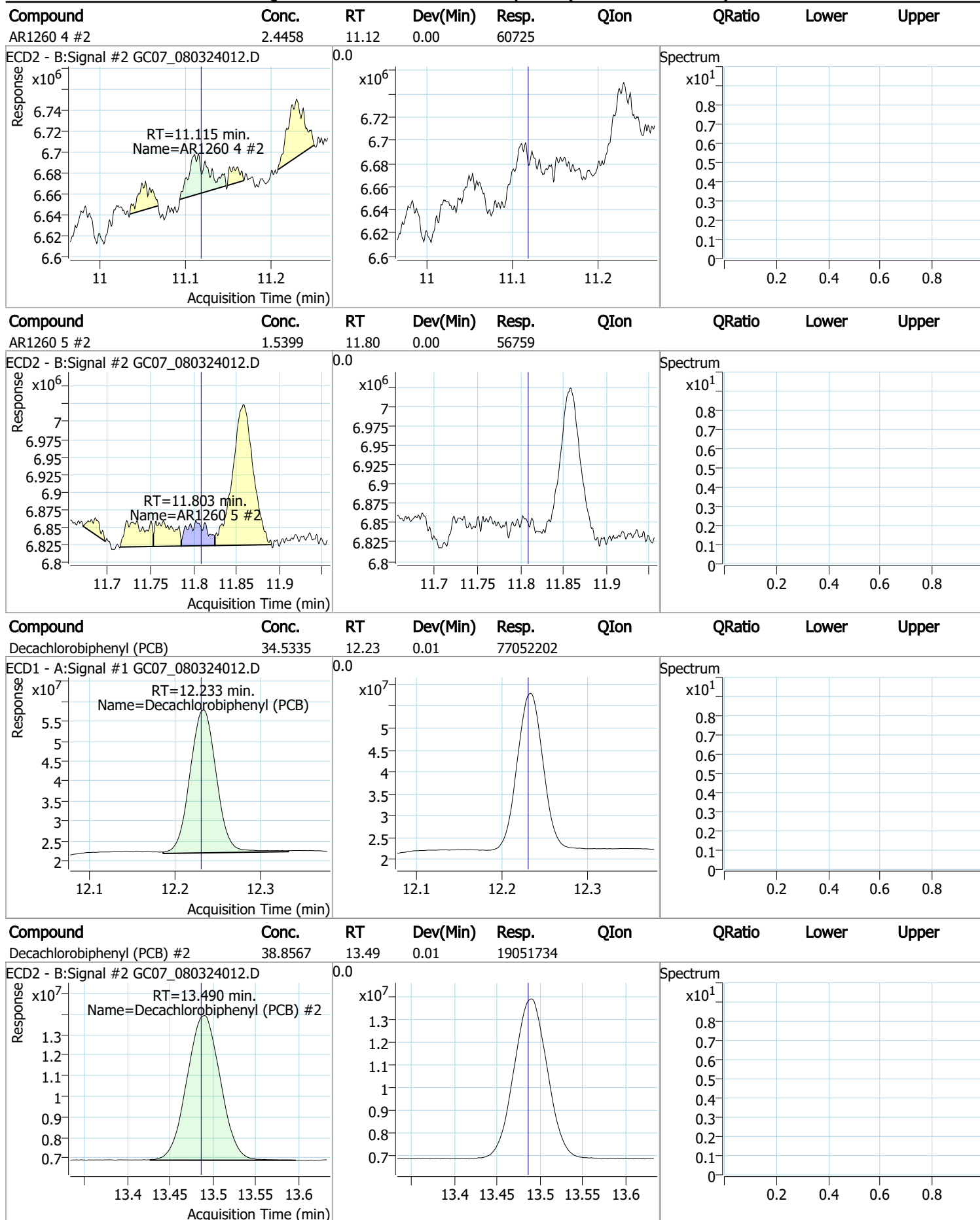
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	55.3109	10.77	0.07	2171738				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.6834	10.96	0.00	2304103				



Quantitation Results Report (Not Reviewed)



ENTHALPY SPIKE USER REPORT FOR 513228 PCBS Wipe
EPA 8082

Type: BS	Type: BSD
Inst: SVOA-GC07	Inst: SVOA-GC07
Seqnum: 464311880013.2	Seqnum: 464311880014.2
File: gc07_080324013	File: gc07_080324014
IDF: 1.0	IDF: 1.0
Lab ID: QC1174810	Lab ID: QC1174811
Matrix: Wipe	Matrix: Wipe
Batch: 346727	Batch: 346727
Time: 03-AUG-2024 17:17	Time: 03-AUG-2024 17:35
Cal: 464259633001	Cal: 464259633001
Units: ug/dm2	

- BS: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	360.4	3.604	B	72	424.1	4.241	B	85	60-140	16	20	u
Aroclor-1016 Peak # 1		352.8	3.528	B		417.3	4.173	B					
Aroclor-1016 Peak # 2		370.8	3.708	B		427.8	4.278	B					
Aroclor-1016 Peak # 3		358.2	3.582	B		418.2	4.182	B					
Aroclor-1016 Peak # 4		351.1	3.511	B		416.5	4.165	B					
Aroclor-1016 Peak # 5		368.9	3.689	B		440.5	4.405	B					
Aroclor-1260	5.000	361.5	3.615	B	72	418.2	4.182	B	84	60-140	15	20	u
Aroclor-1260 Peak # 1		387.4	3.874	B		456.4	4.564	B					
Aroclor-1260 Peak # 2		365.0	3.650	B		403.3	4.033	B					
Aroclor-1260 Peak # 3		403.3	4.033	B		471.5	4.715	B					
Aroclor-1260 Peak # 4		335.4	3.354	B		389.1	3.891	B					
Aroclor-1260 Peak # 5		316.5	3.165	B		370.8	3.708	B					
Surrogates													
TCMX (PCB)	0.5000	33.78	0.3378	B	68	40.30	0.4030	B	81	19-121			u
Decachlorobiphenyl (PCB)	0.5000	35.61	0.3561	B	71	40.62	0.4062	B	81	19-121			u

ISTD (CCV gc07_080324004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	8692662	7.03
1-bromo-2-nitrobenzene (PCB)	A	35201723	39849104	13.20

ISTD (CCV gc07_080324004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.32	0.00

ISTD (CCV gc07_080324004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8121529	8561648	5.42
1-bromo-2-nitrobenzene (PCB)	A	35201723	38598061	9.65

ISTD (CCV gc07_080324004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.47	4.47	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.32	4.33	0.01

08/05/24 : SOIL/10G-10ML [general version]

08/05/24 : SOIL/10G-10ML [general version]

MES 08/05/24 [Aroclor-1016 Peak # 4 A]: Corrected automatically drawn baseline for Ch. A for spike & dup. [general version]

MES 08/05/24 [Aroclor-1016 Peak # 5 A]: Separated from coeluting peak for Ch. A for spike & dup. [general version]

MES 08/05/24 [Aroclor-1260 Peak # 1 B]: Separated from coeluting peak for Ch. B for spike & dup. [general version]

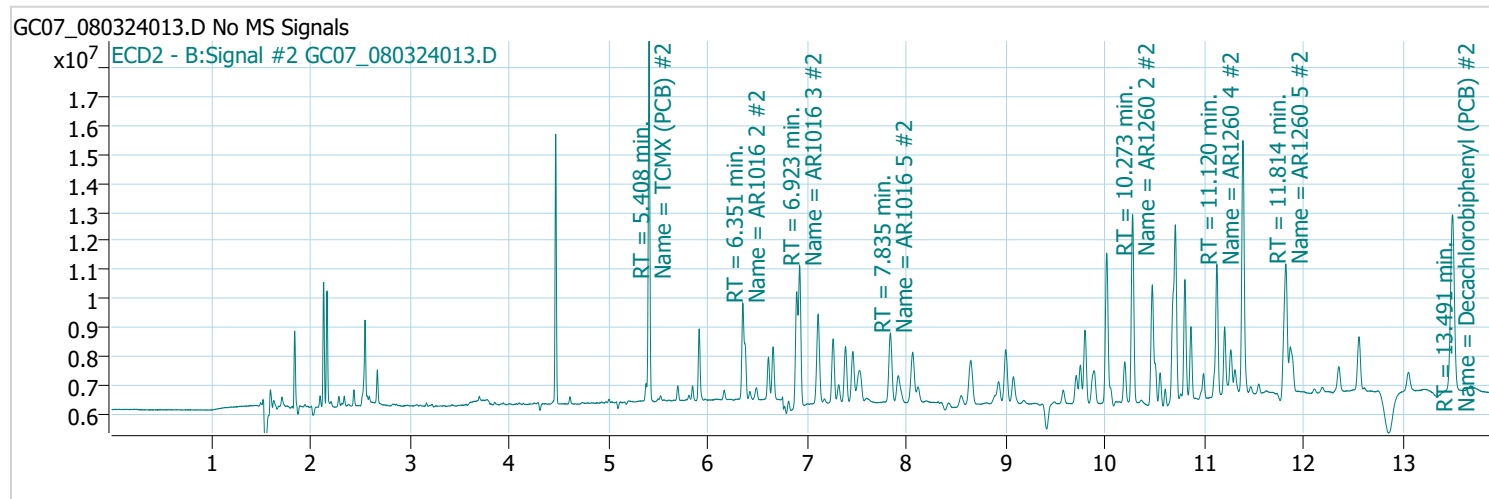
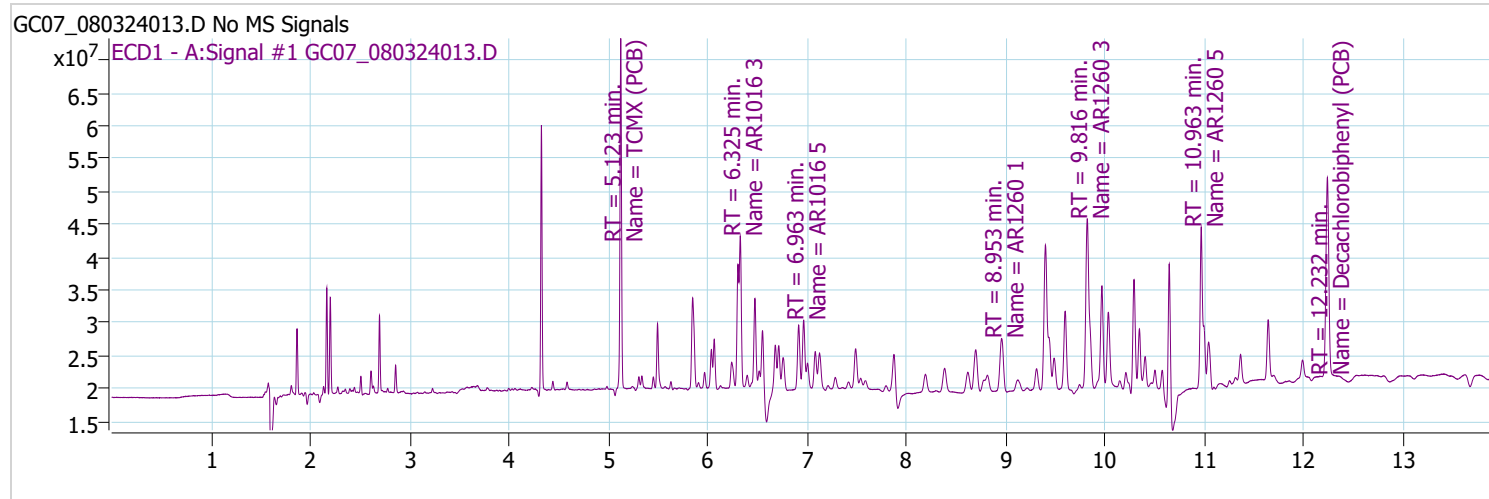
U=Use

Analyst: MES 08/05/24

Reviewer: BLB 08/07/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_080324013.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 5:17:30 PM
Sample Name	QC1174810, 346569, 1	Instrument	SVOA-GC07
Vial	3	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	39849104.375	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8692661.694	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	61512717.254	32.9525	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.76%	*	
S TCMX (PCB) #2	5.408	0.0	14082699.181	33.7760	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.88%	*	
S Decachlorobiphenyl (PCB)	12.232	0.0	65088851.020	29.6255	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.13%		
S Decachlorobiphenyl (PCB) #2	13.491	0.0	16909015.299	35.6069	ng/ml	0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.03%	*	

Target Compounds

QValue

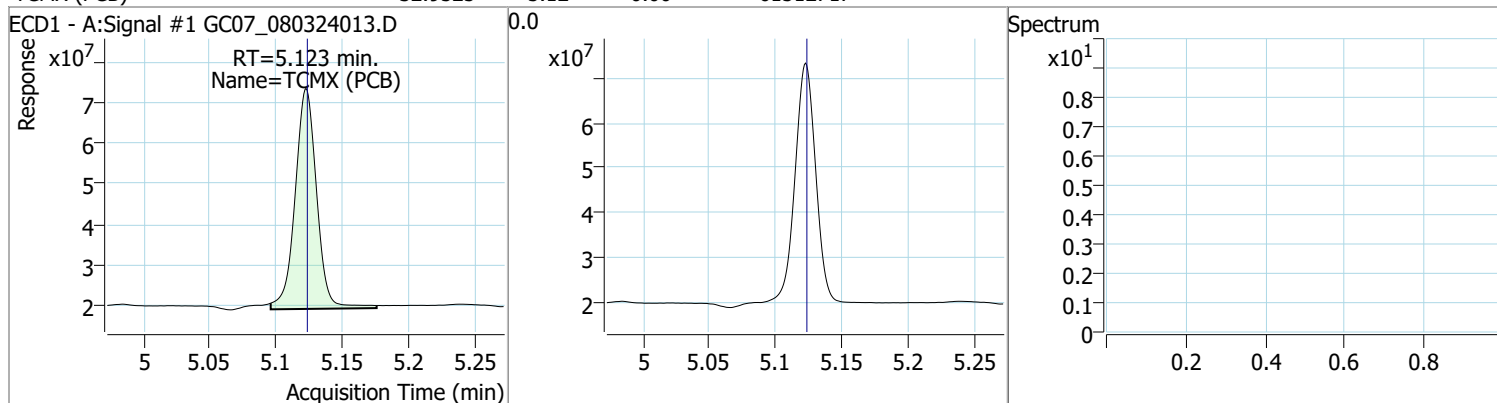
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.493	0.0	12482300.6 25	358.3582	ng/ml	100
T AR1016 2	5.846	0.0	25198681.6 84	348.2390	ng/ml	100
T AR1016 1 #2	5.912	0.0	3238101.43 3	352.8043	ng/ml	100
T AR1016 3	6.325	0.0	32531797.3 14	375.8538	ng/ml	100
T AR1016 2 #2	6.351	0.0	7030482.27 8	370.7526	ng/ml	100
T AR1016 4	6.473	0.0	19012629.3 90	314.0065	ng/ml m	100
T AR1016 3 #2	6.923	0.0	8471552.05 7	358.1997	ng/ml	100
T AR1016 5	6.963	0.0	18053558.4 62	339.2092	ng/ml	100
T AR1016 4 #2	7.108	0.0	6138921.12 9	351.1337	ng/ml	100
T AR1016 5 #2	7.835	0.0	5216325.24 0	368.9032	ng/ml	100
T AR1260 1	8.953	0.0	20072322.5 46	188.0433	ng/ml	100
T AR1260 2	9.395	0.0	59975539.9 54	367.8862	ng/ml	100
T AR1260 3	9.816	0.0	65170042.3 65	371.5317	ng/ml	100
T AR1260 1 #2	10.011	0.0	9743293.71 4	387.4288	ng/ml m	100
T AR1260 2 #2	10.273	0.0	11532998.1 70	365.0451	ng/ml	100
T AR1260 4	10.287	0.0	29305635.7 96	288.9815	ng/ml	100
T AR1260 3 #2	10.702	0.0	15338560.3 19	403.3401	ng/ml	100
T AR1260 5	10.963	0.0	40104516.8 96	330.2558	ng/ml m	100
T AR1260 4 #2	11.120	0.0	8066263.45 0	335.4431	ng/ml	100
T AR1260 5 #2	11.814	0.0	11297186.3 23	316.4563	ng/ml	100

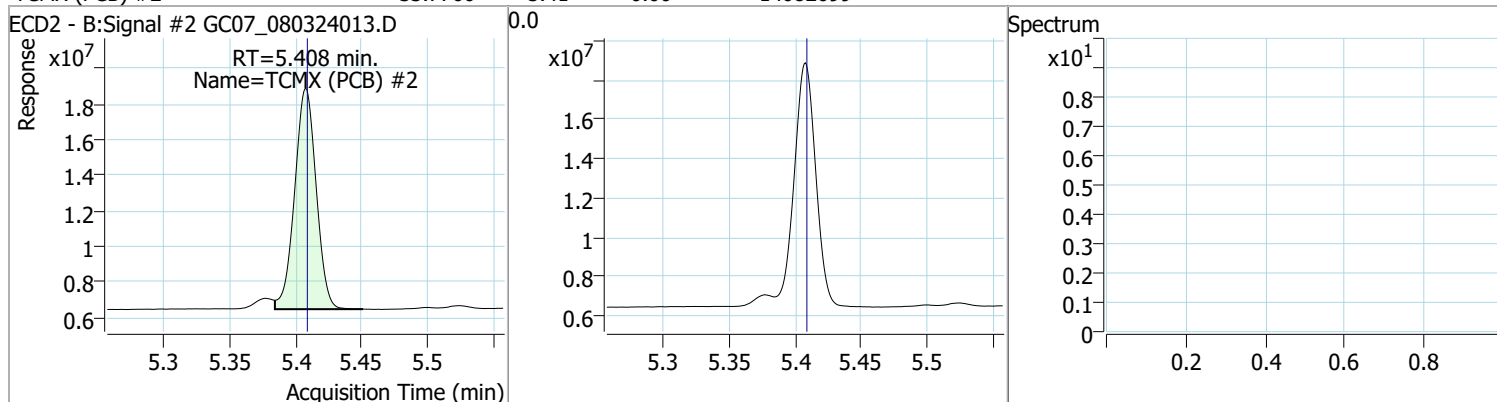
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

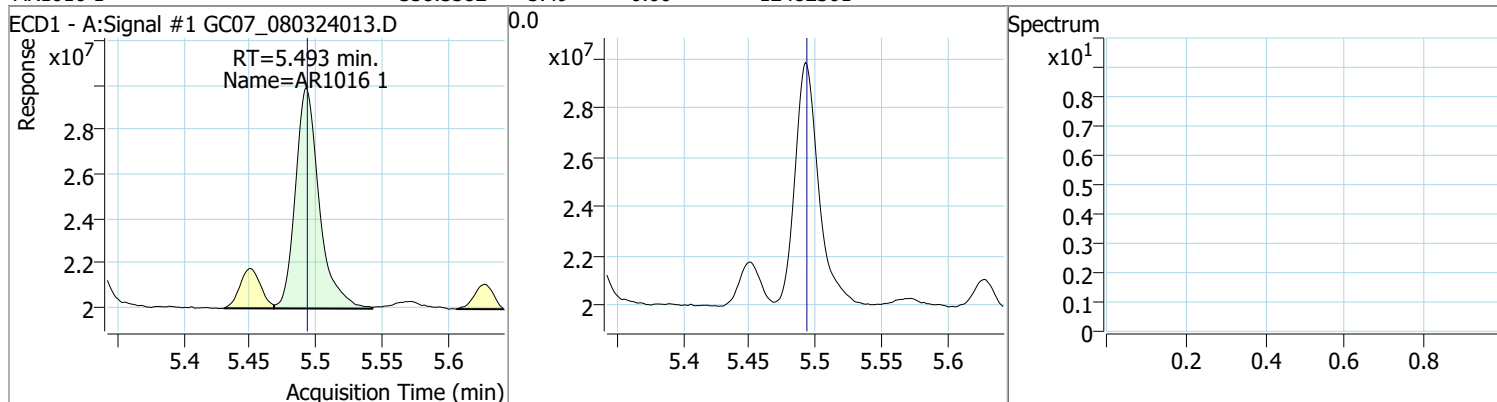
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.9525	5.12	0.00	61512717				



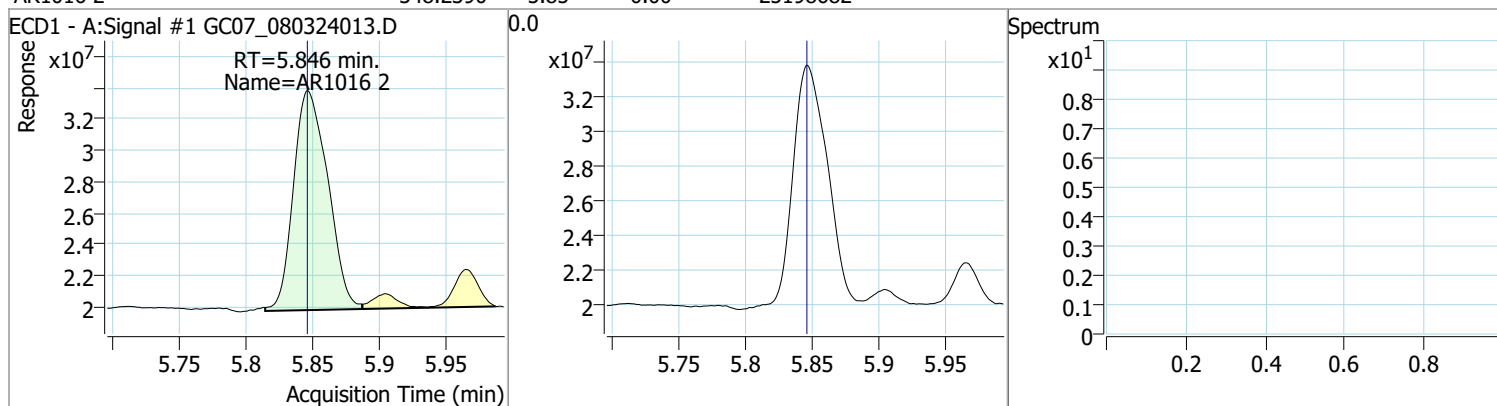
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.7760	5.41	0.00	14082699				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	358.3582	5.49	0.00	12482301				

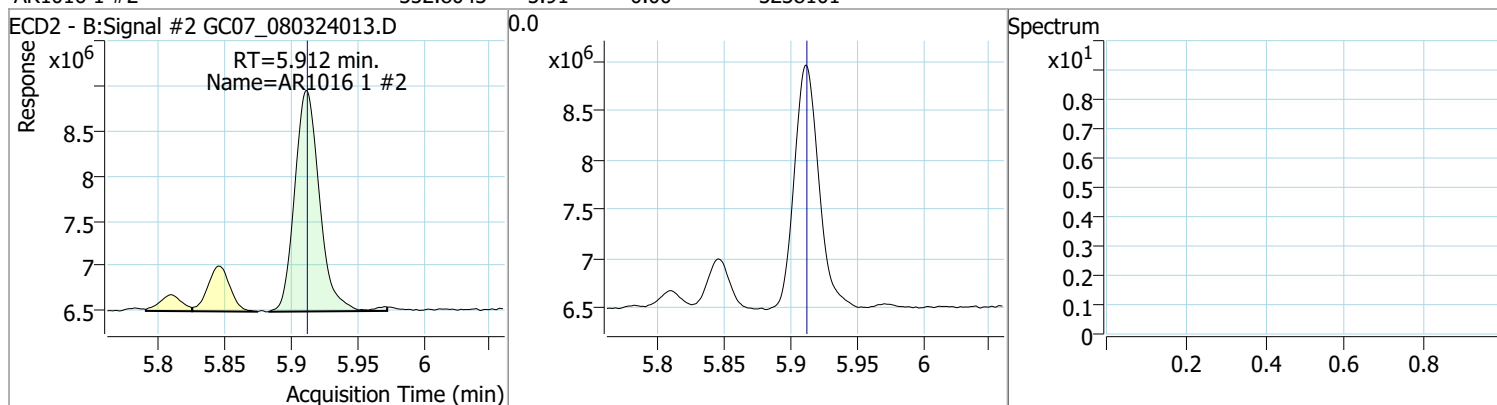


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	348.2390	5.85	0.00	25198682				

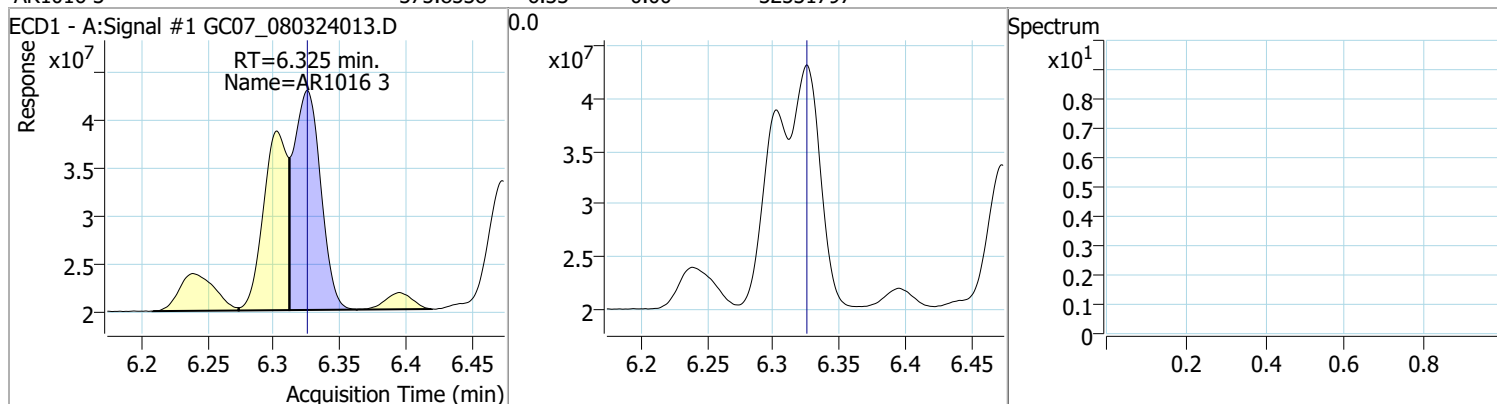


Quantitation Results Report (Not Reviewed)

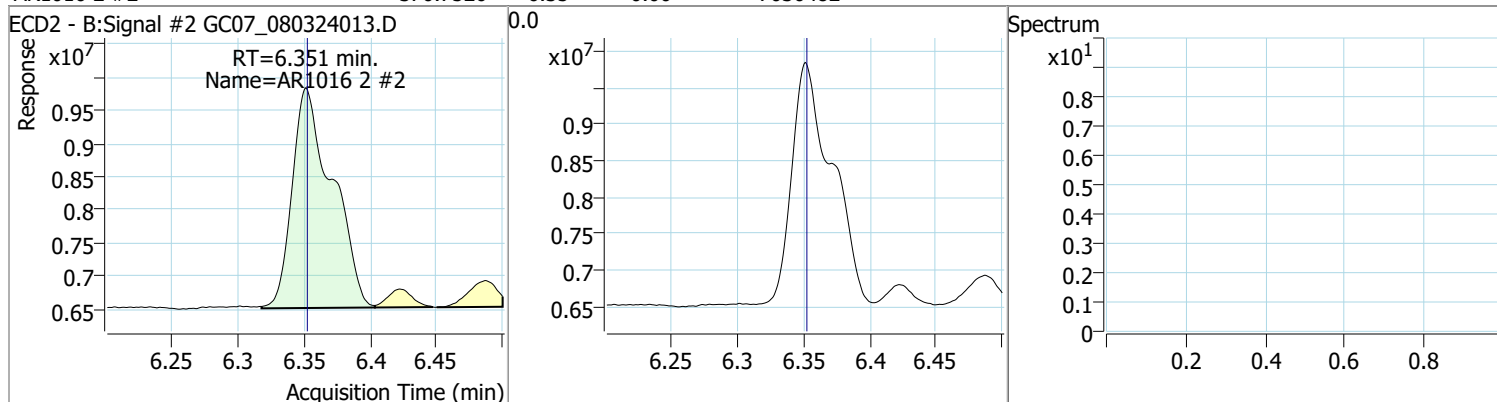
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	352.8043	5.91	0.00	3238101				



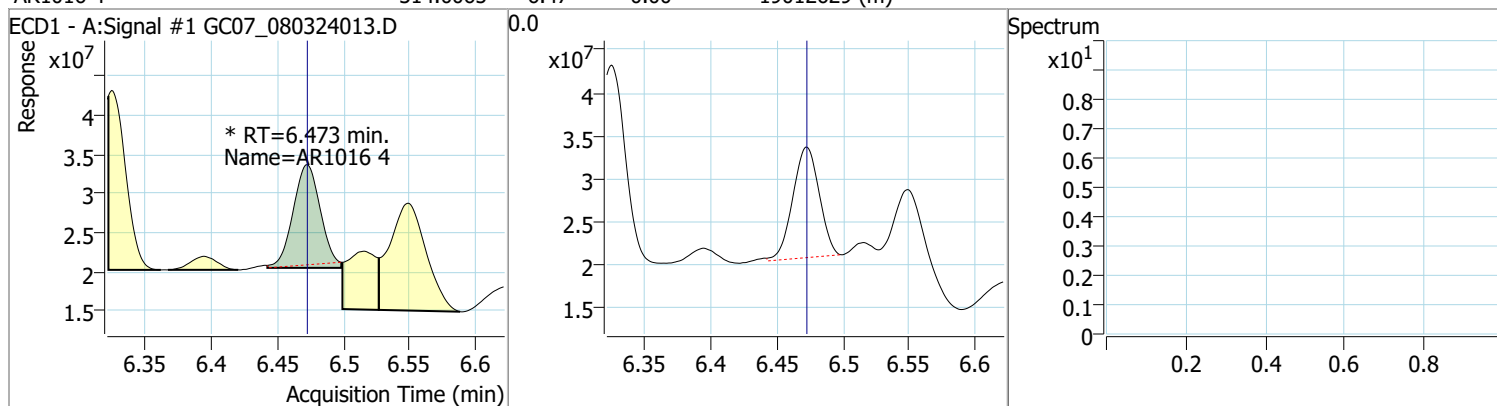
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	375.8538	6.33	0.00	32531797				



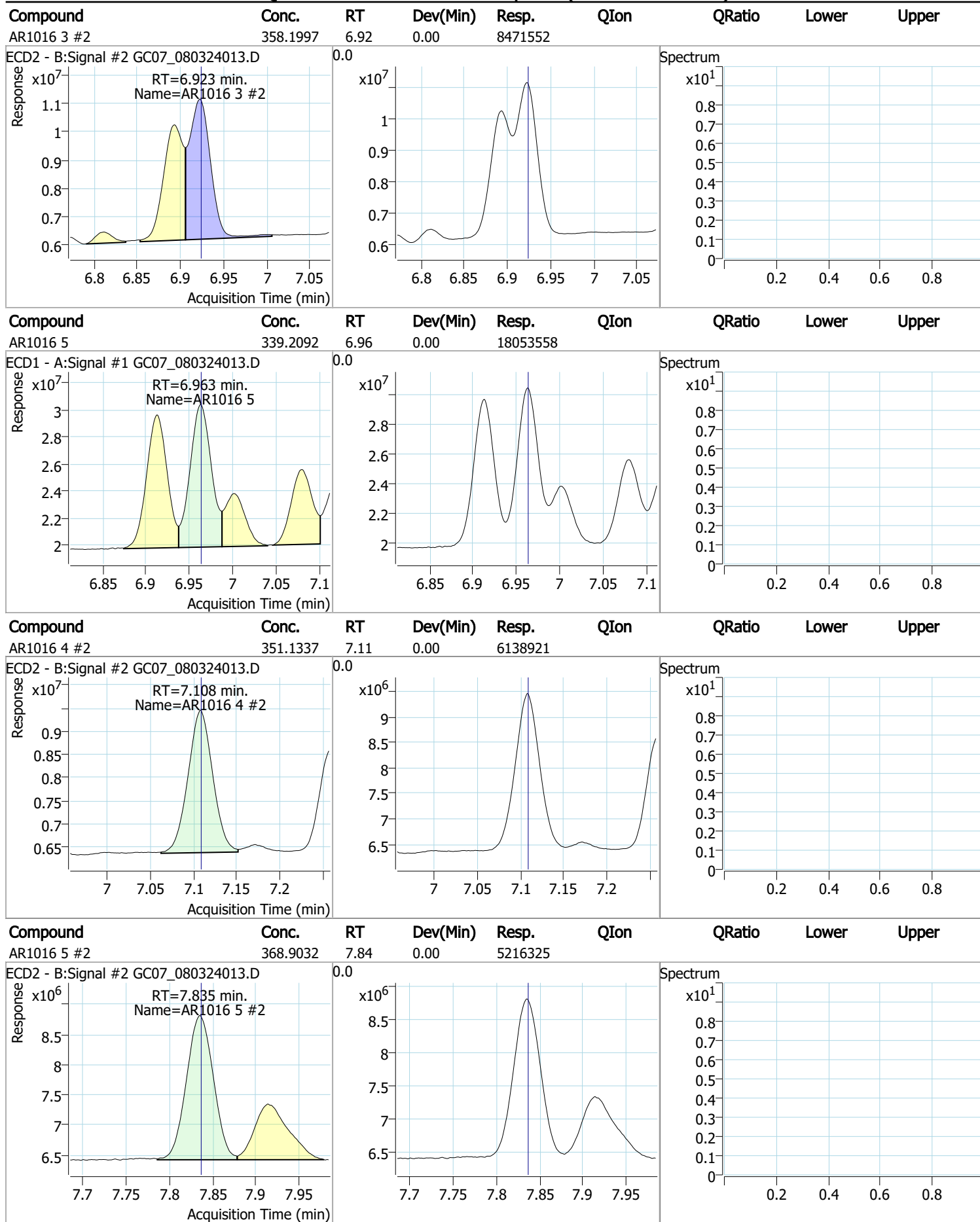
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	370.7526	6.35	0.00	7030482				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	314.0065	6.47	0.00	19012629 (m)				

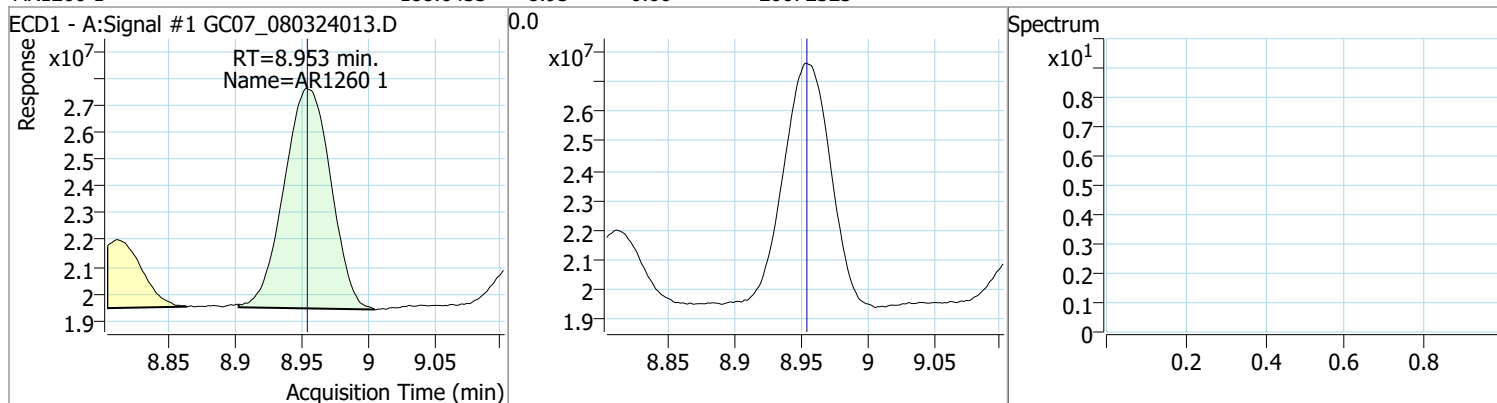


Quantitation Results Report (Not Reviewed)

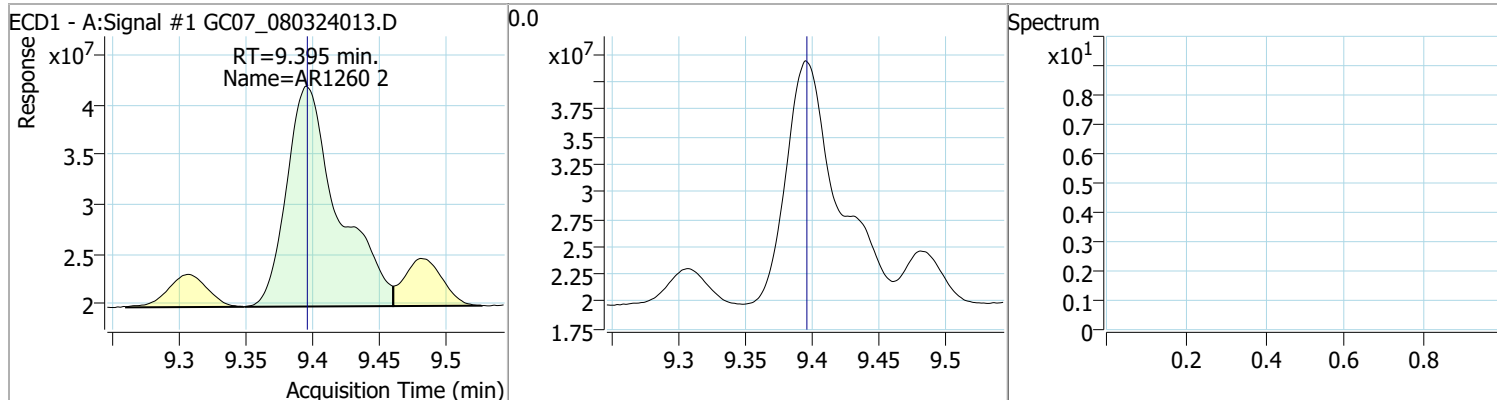


Quantitation Results Report (Not Reviewed)

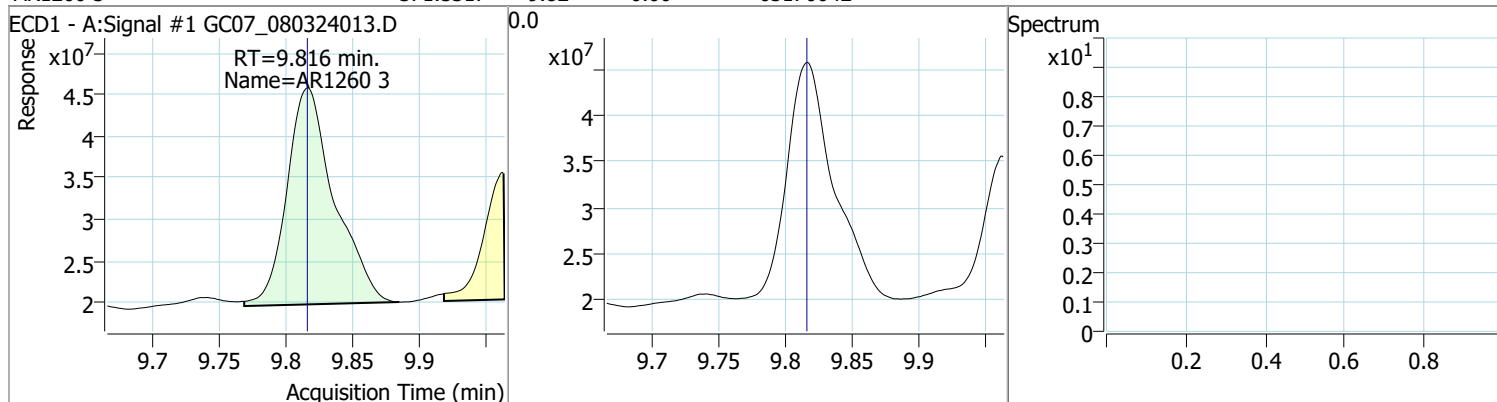
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	188.0433	8.95	0.00	20072323				



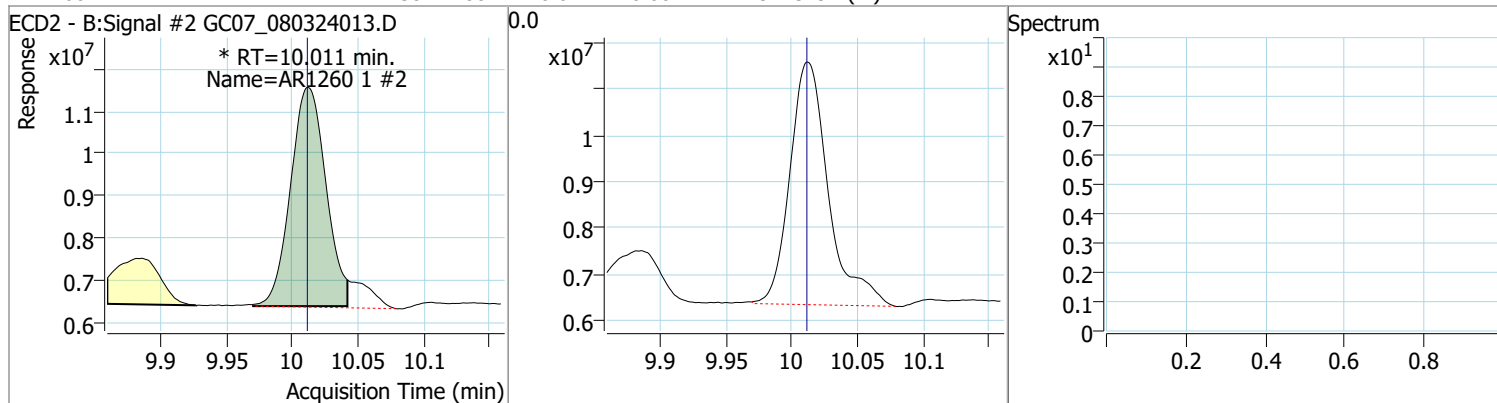
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	367.8862	9.40	0.00	59975540				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	371.5317	9.82	0.00	65170042				

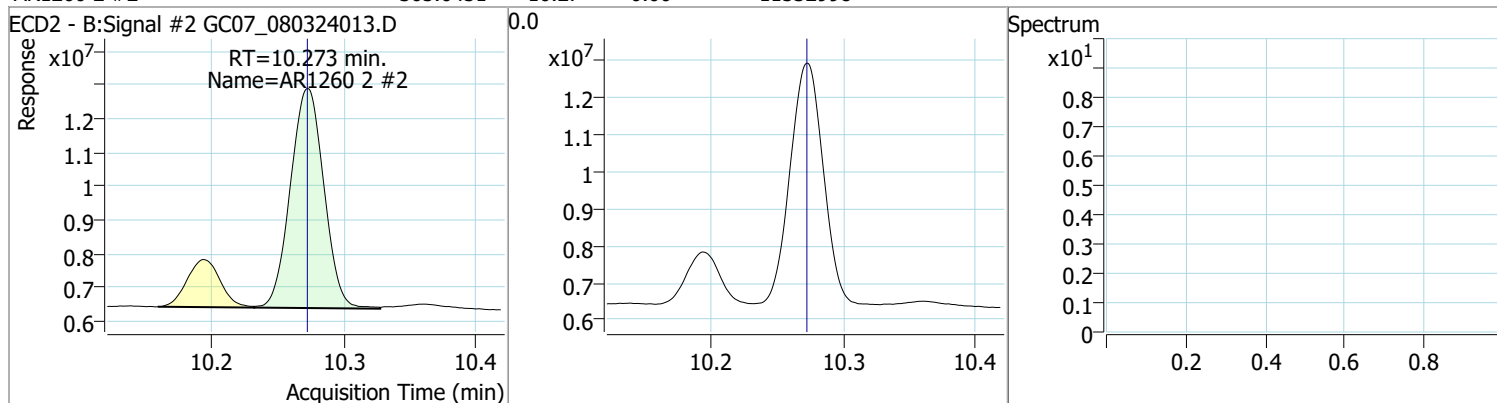


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	387.4288	10.01	0.00	9743294 (m)				

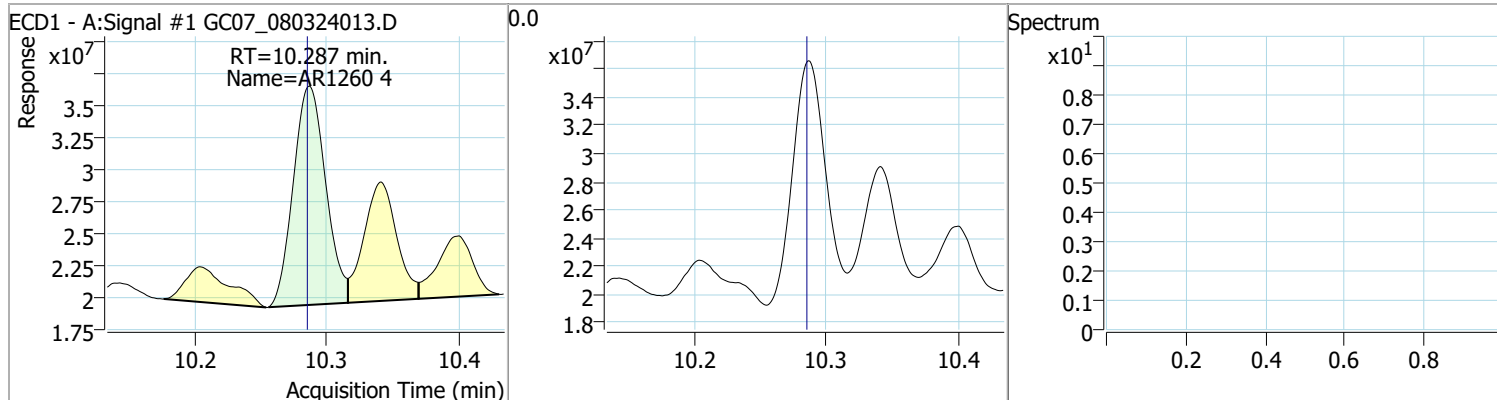


Quantitation Results Report (Not Reviewed)

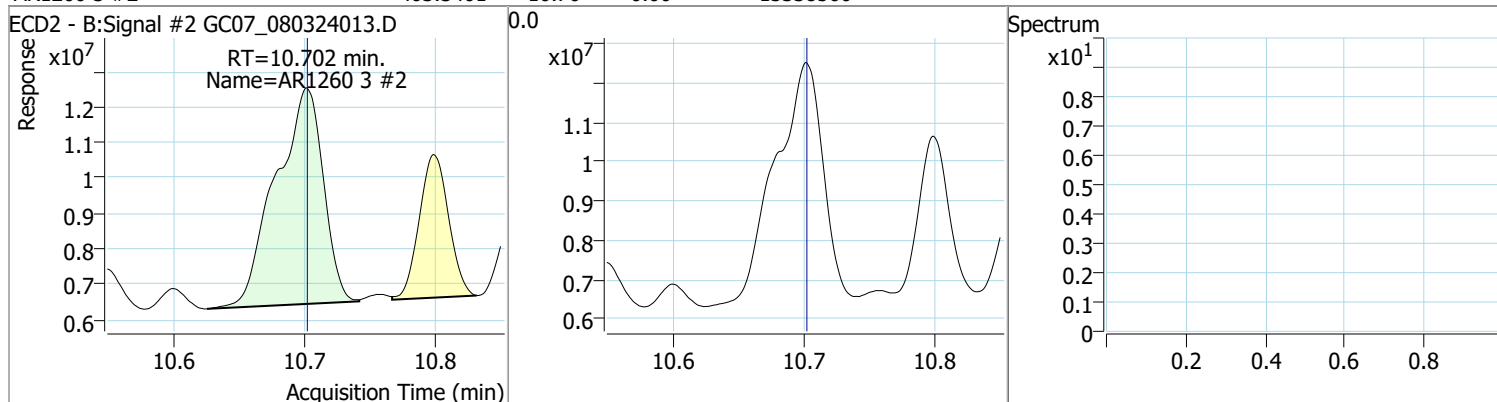
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	365.0451	10.27	0.00	11532998				



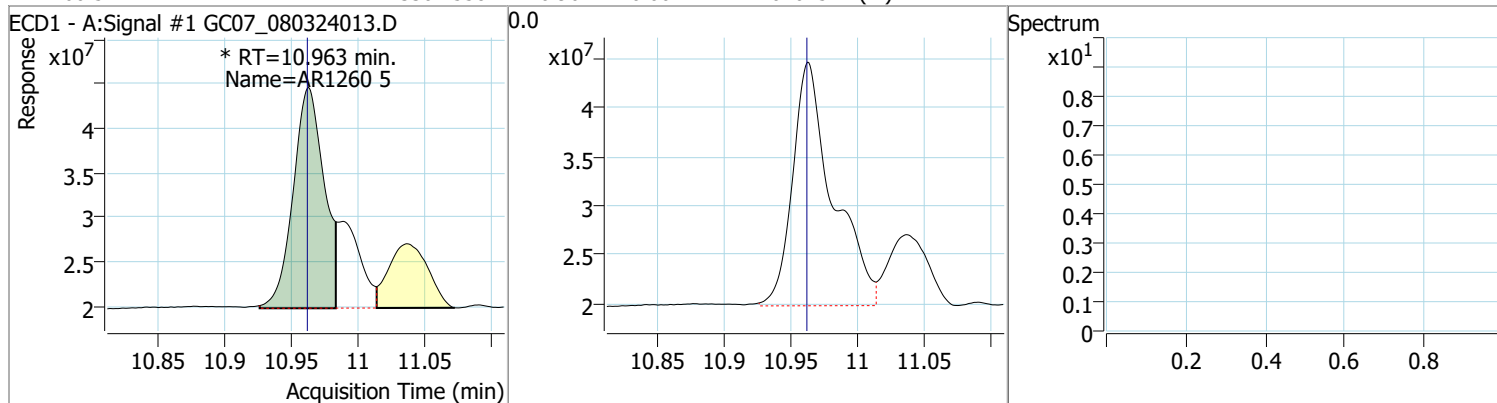
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	288.9815	10.29	0.00	29305636				



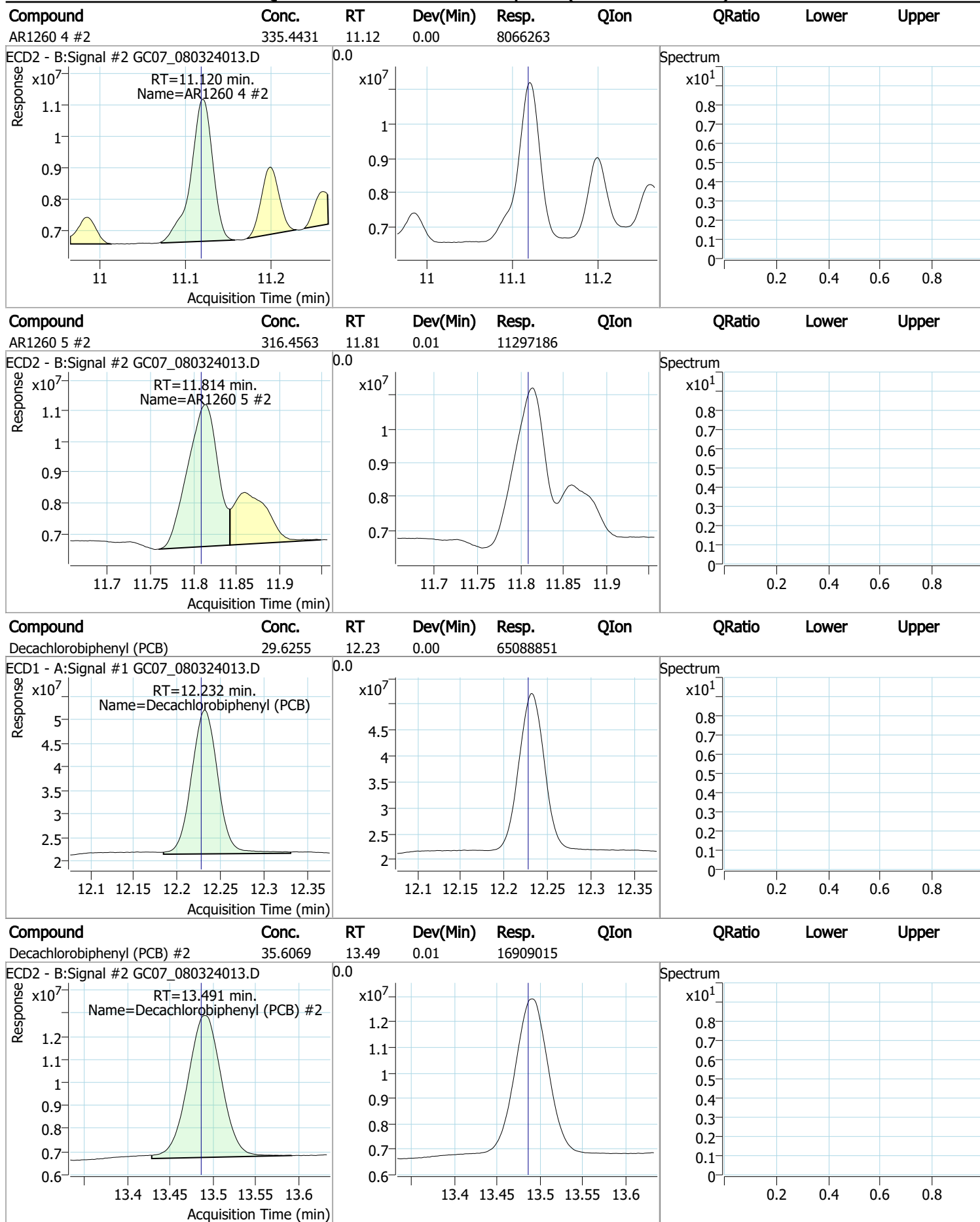
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	403.3401	10.70	0.00	15338560				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	330.2558	10.96	0.00	40104517 (m)				



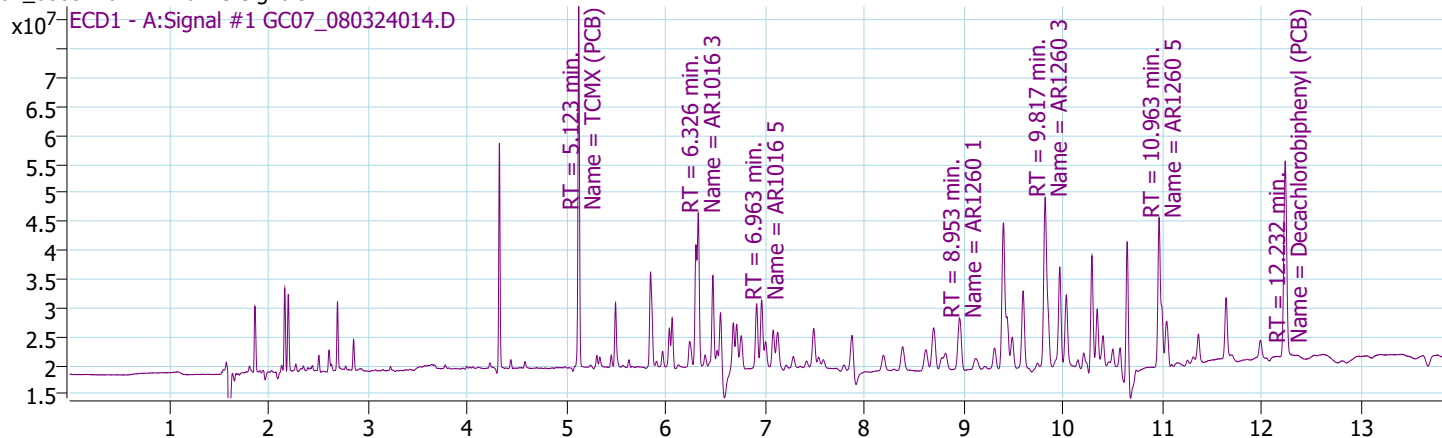
Quantitation Results Report (Not Reviewed)



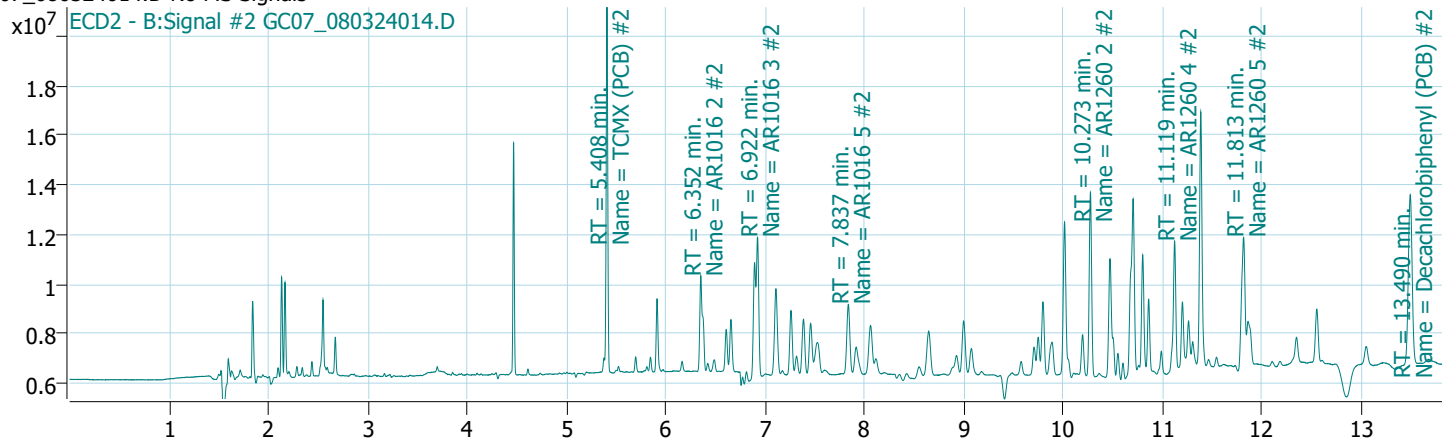
Quantitation Results Report (Not Reviewed)

Data File	GC07_080324014.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 5:35:01 PM
Sample Name	QC1174811, 346569, 1	Instrument	SVOA-GC07
Vial	4	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	SOIL/10G-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_080324014.D No MS Signals



GC07_080324014.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	38598061.394	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8561647.550	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	69409365.464	38.3879	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.94%	*	
S TCMX (PCB) #2	5.408	0.0	16550599.126	40.3025	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.51%	*	
S Decachlorobiphenyl (PCB)	12.232	0.0	72980161.029	34.2939	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.47%	*	
S Decachlorobiphenyl (PCB) #2	13.490	0.0	18997434.587	40.6168	ng/ml	0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.08%	*	

Target Compounds

QValue

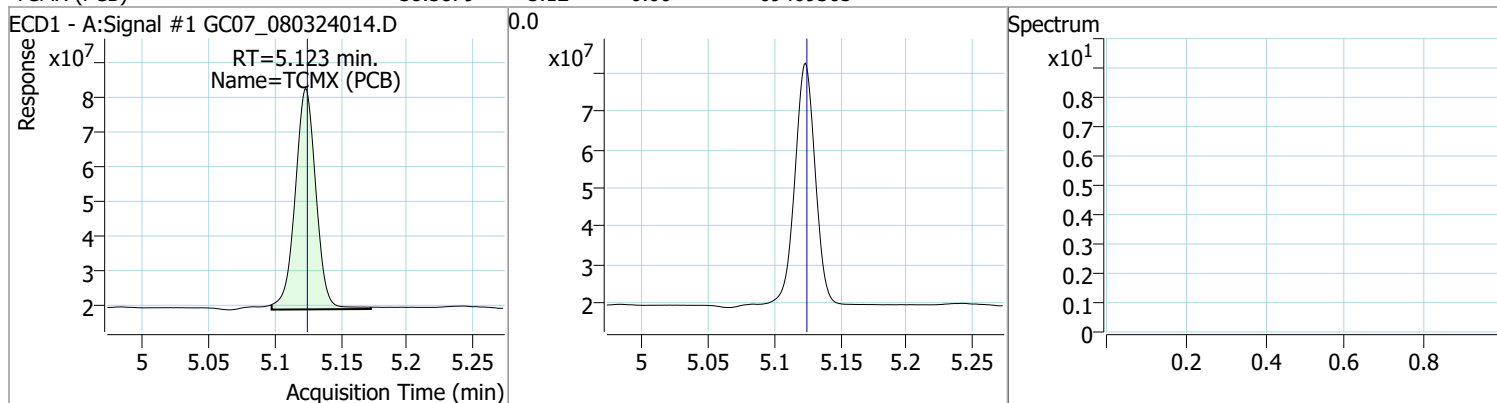
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.493	0.0	14530672.7 12	430.6868	ng/ml	100
T AR1016 2	5.847	0.0	28951425.4 54	413.0690	ng/ml	100
T AR1016 1 #2	5.911	0.0	3772095.50 7	417.2742	ng/ml	100
T AR1016 3	6.326	0.0	37582176.3 88	450.7120	ng/ml	100
T AR1016 2 #2	6.352	0.0	7989276.76 7	427.7617	ng/ml	100
T AR1016 4	6.473	0.0	20060249.1 50	342.0471	ng/ml m	100
T AR1016 3 #2	6.922	0.0	9742592.73 1	418.2464	ng/ml	100
T AR1016 5	6.963	0.0	20403727.1 87	395.7923	ng/ml	100
T AR1016 4 #2	7.108	0.0	7171252.60 6	416.4577	ng/ml	100
T AR1016 5 #2	7.837	0.0	6135040.97 6	440.5150	ng/ml	100
T AR1260 1	8.953	0.0	22083517.8 88	213.5904	ng/ml	100
T AR1260 2	9.398	0.0	55611561.7 27	352.1742	ng/ml	100
T AR1260 3	9.817	0.0	74016809.3 92	435.6436	ng/ml	100
T AR1260 1 #2	10.012	0.0	11305996.7 20	456.4470	ng/ml m	100
T AR1260 2 #2	10.273	0.0	12550307.6 54	403.3241	ng/ml	100
T AR1260 4	10.288	0.0	33146139.2 33	337.4465	ng/ml	100
T AR1260 3 #2	10.702	0.0	17659092.6 13	471.4663	ng/ml	100
T AR1260 5	10.963	0.0	43309250.6 72	368.2061	ng/ml m	100
T AR1260 4 #2	11.119	0.0	9215874.95 2	389.1154	ng/ml	100
T AR1260 5 #2	11.813	0.0	13036717.2 42	370.7722	ng/ml	100

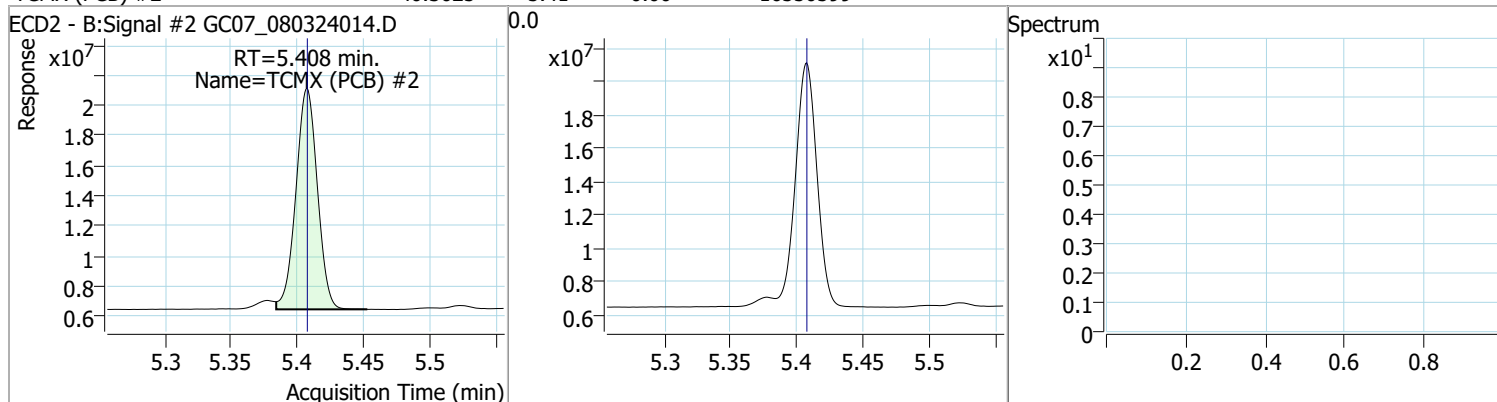
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

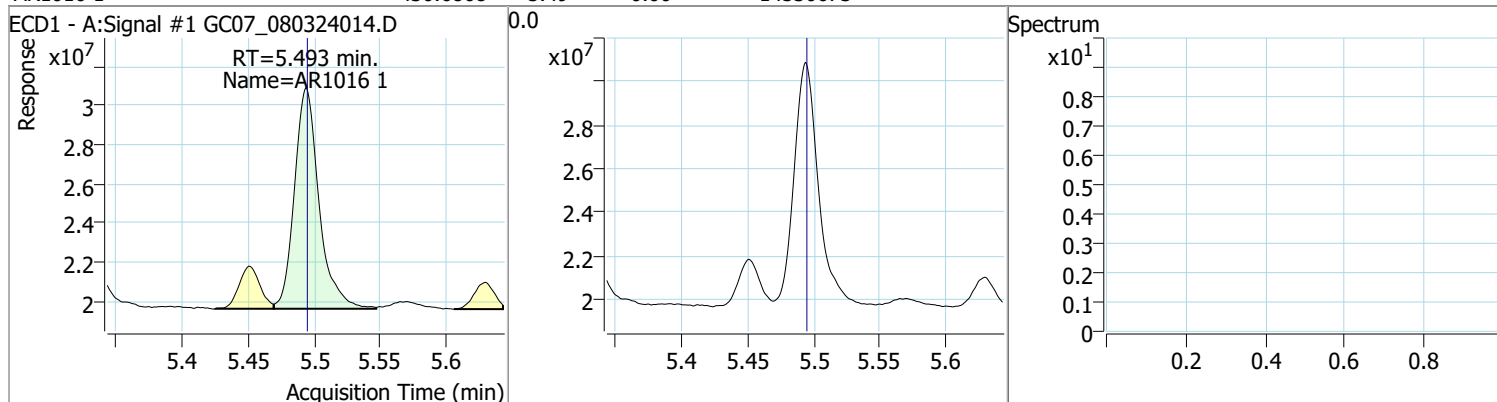
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.3879	5.12	0.00	69409365				



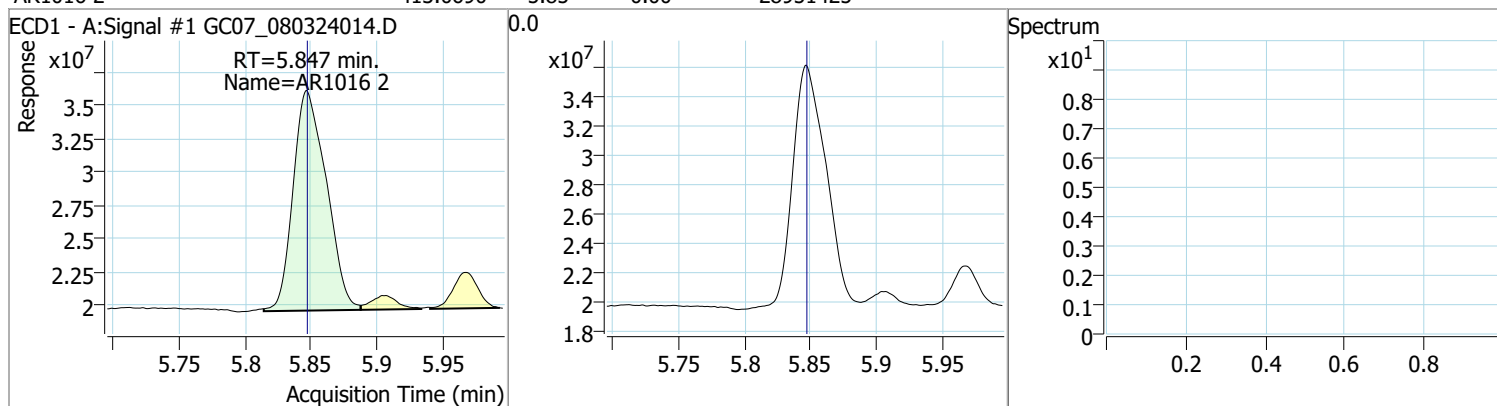
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.3025	5.41	0.00	16550599				



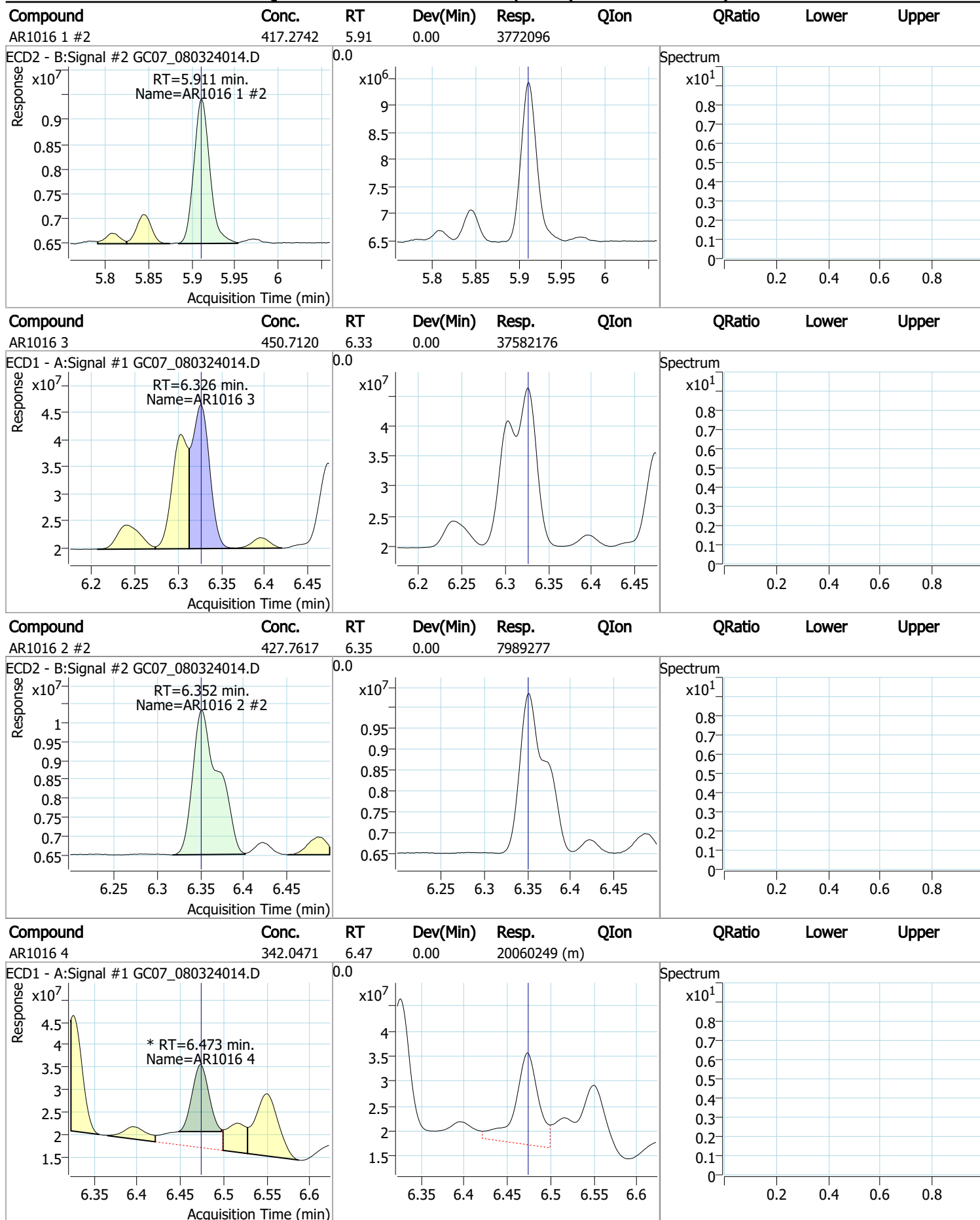
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	430.6868	5.49	0.00	14530673				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	413.0690	5.85	0.00	28951425				

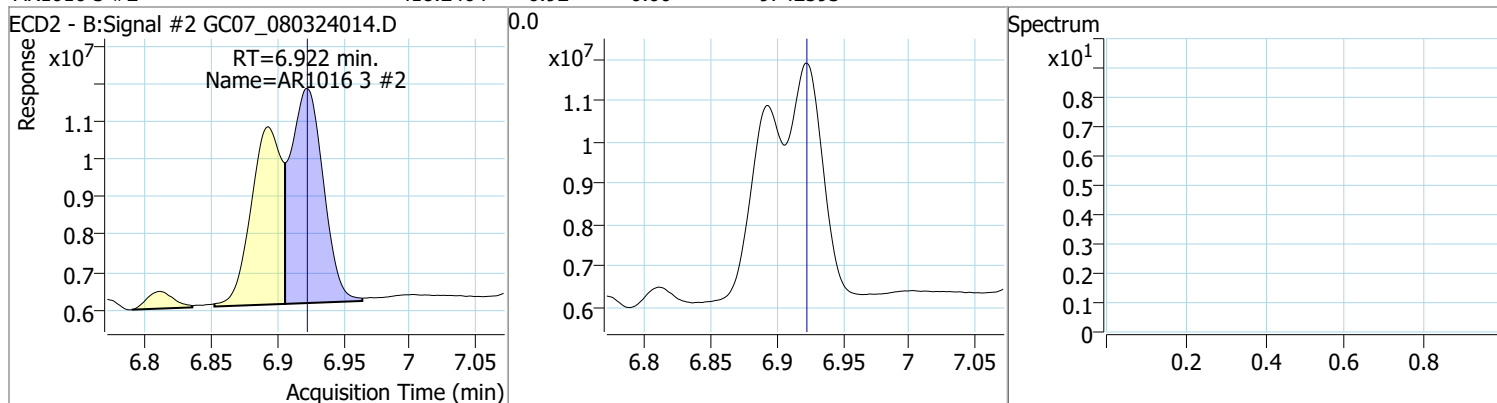


Quantitation Results Report (Not Reviewed)

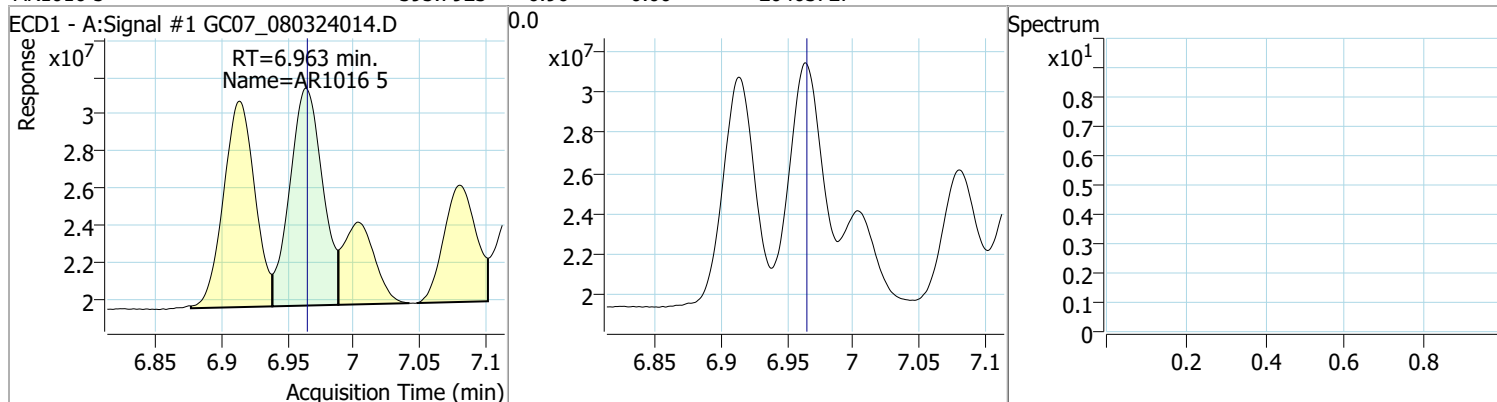


Quantitation Results Report (Not Reviewed)

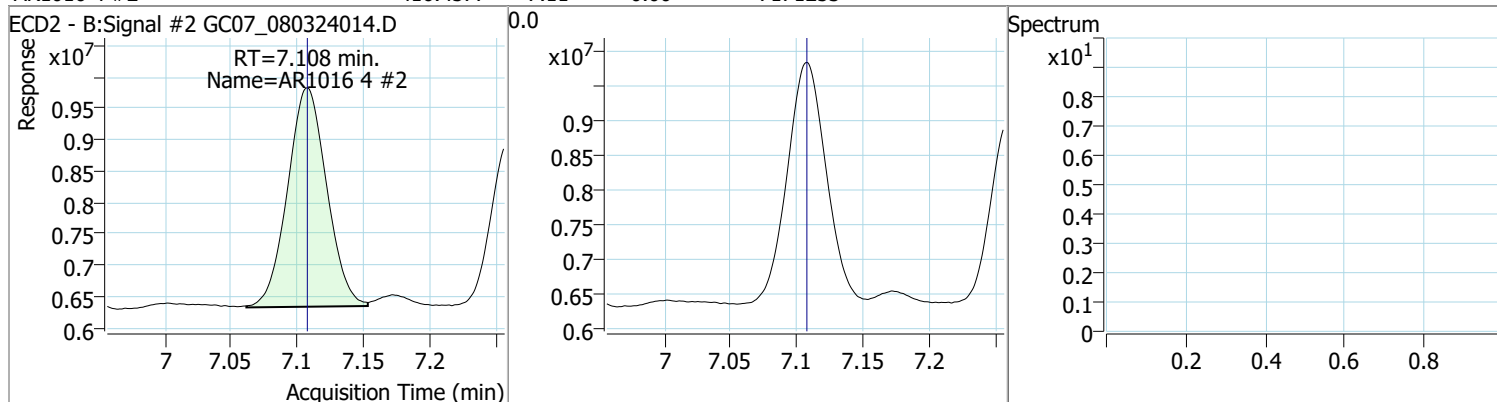
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	418.2464	6.92	0.00	9742593				



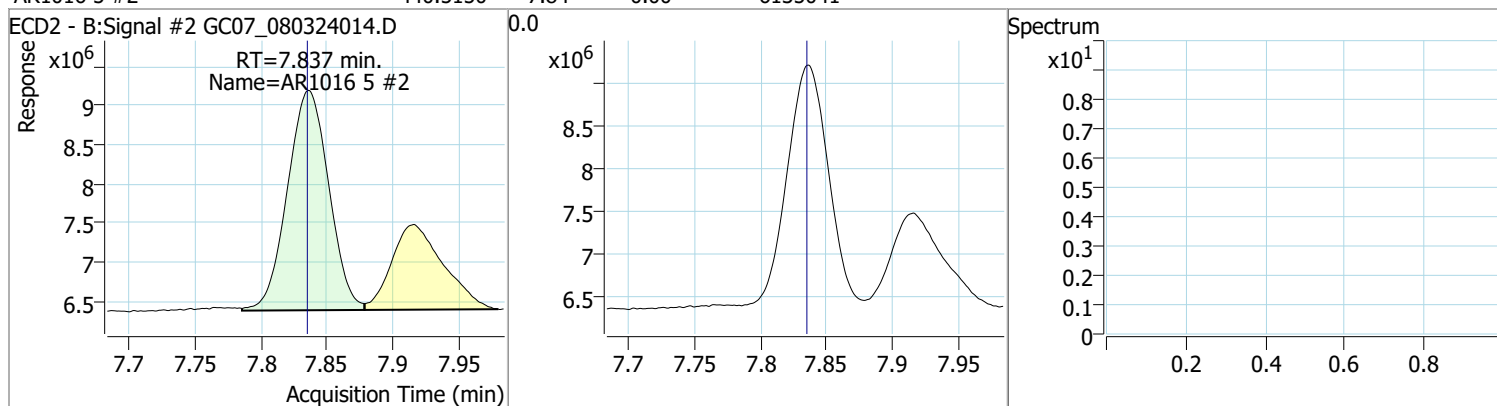
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	395.7923	6.96	0.00	20403727				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	416.4577	7.11	0.00	7171253				

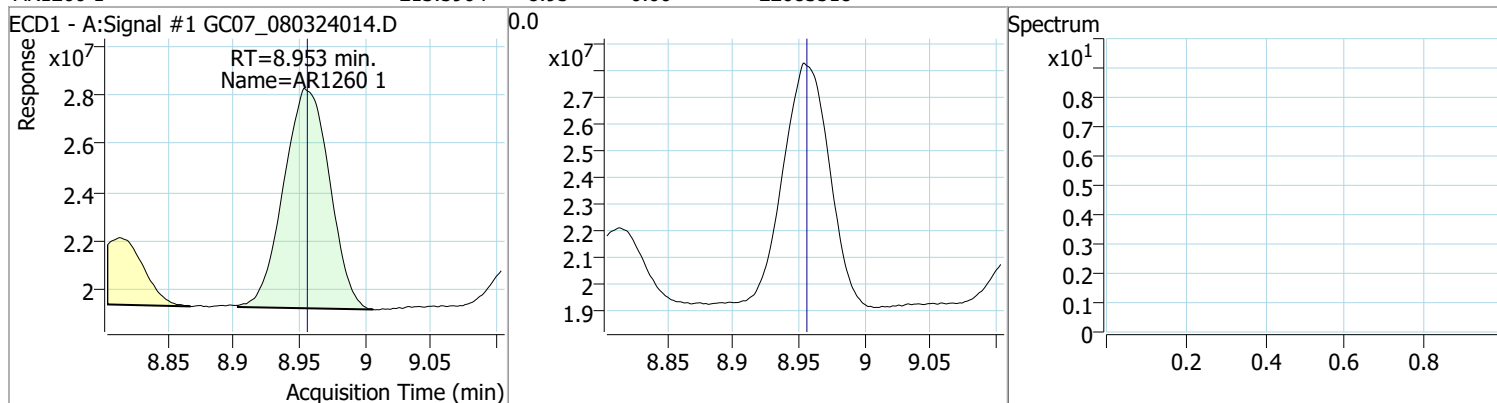


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	440.5150	7.84	0.00	6135041				

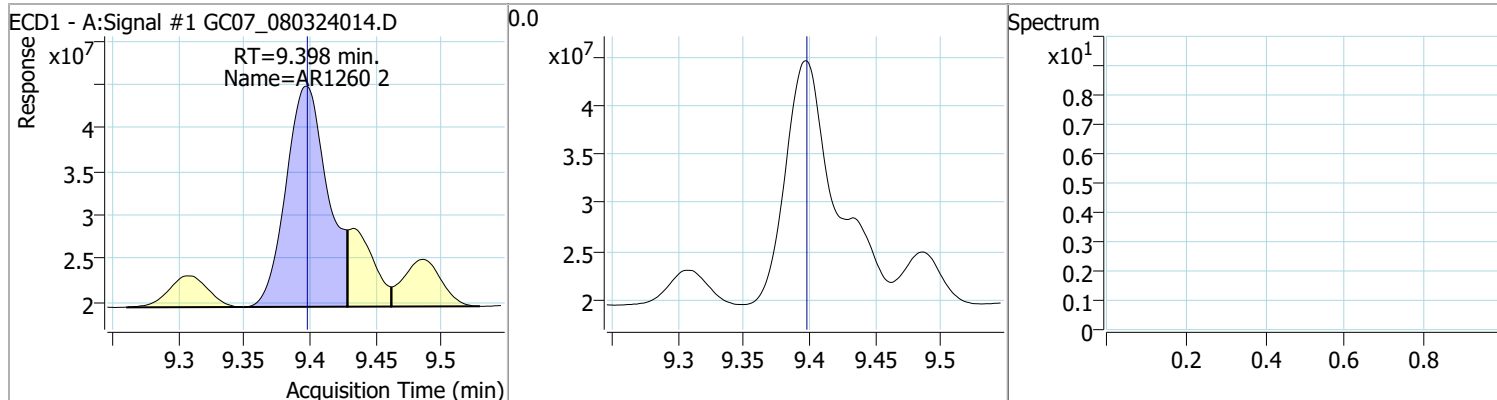


Quantitation Results Report (Not Reviewed)

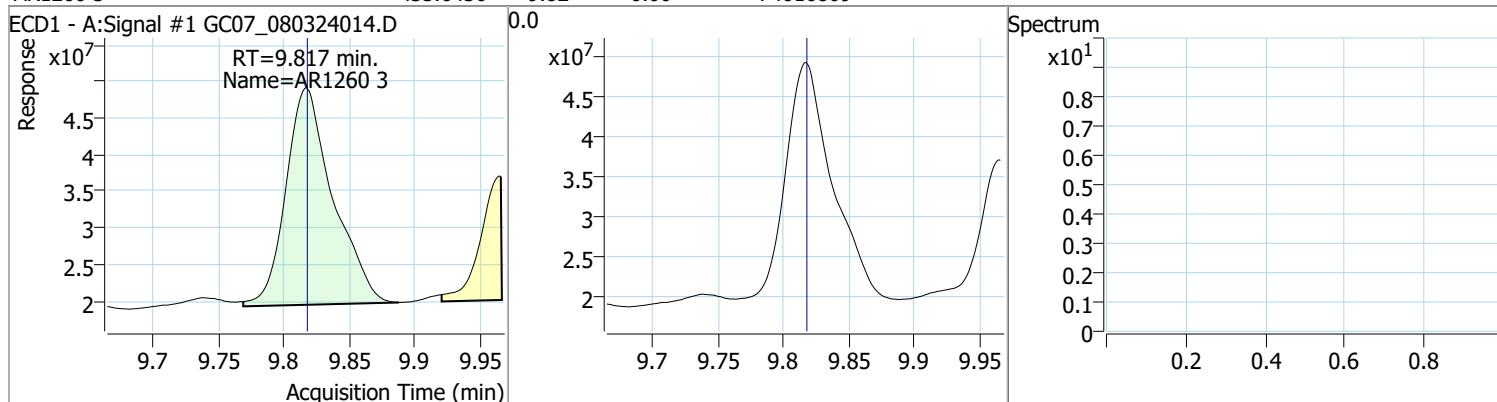
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	213.5904	8.95	0.00	22083518				



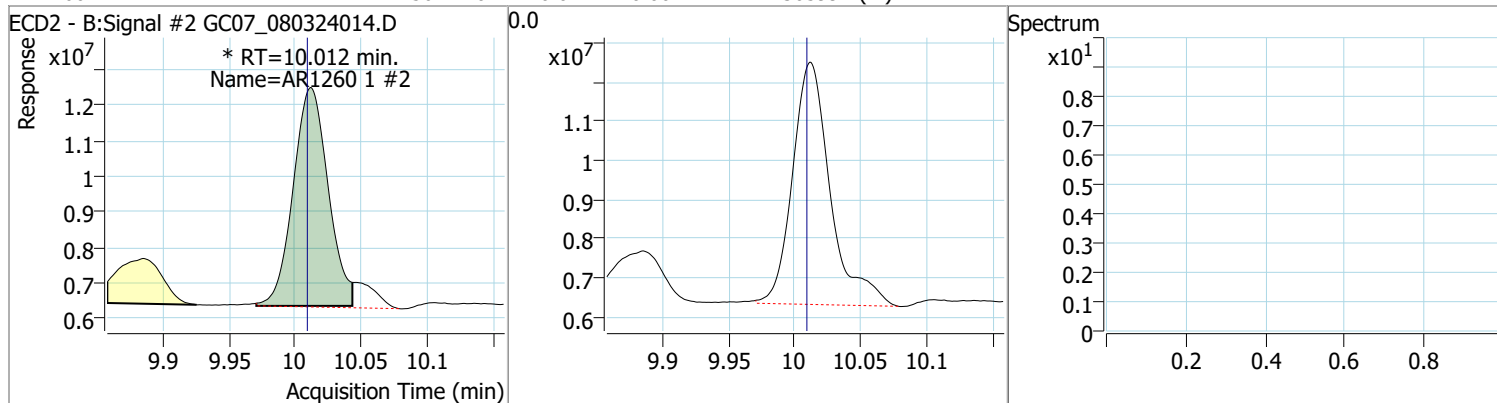
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	352.1742	9.40	0.00	55611562				



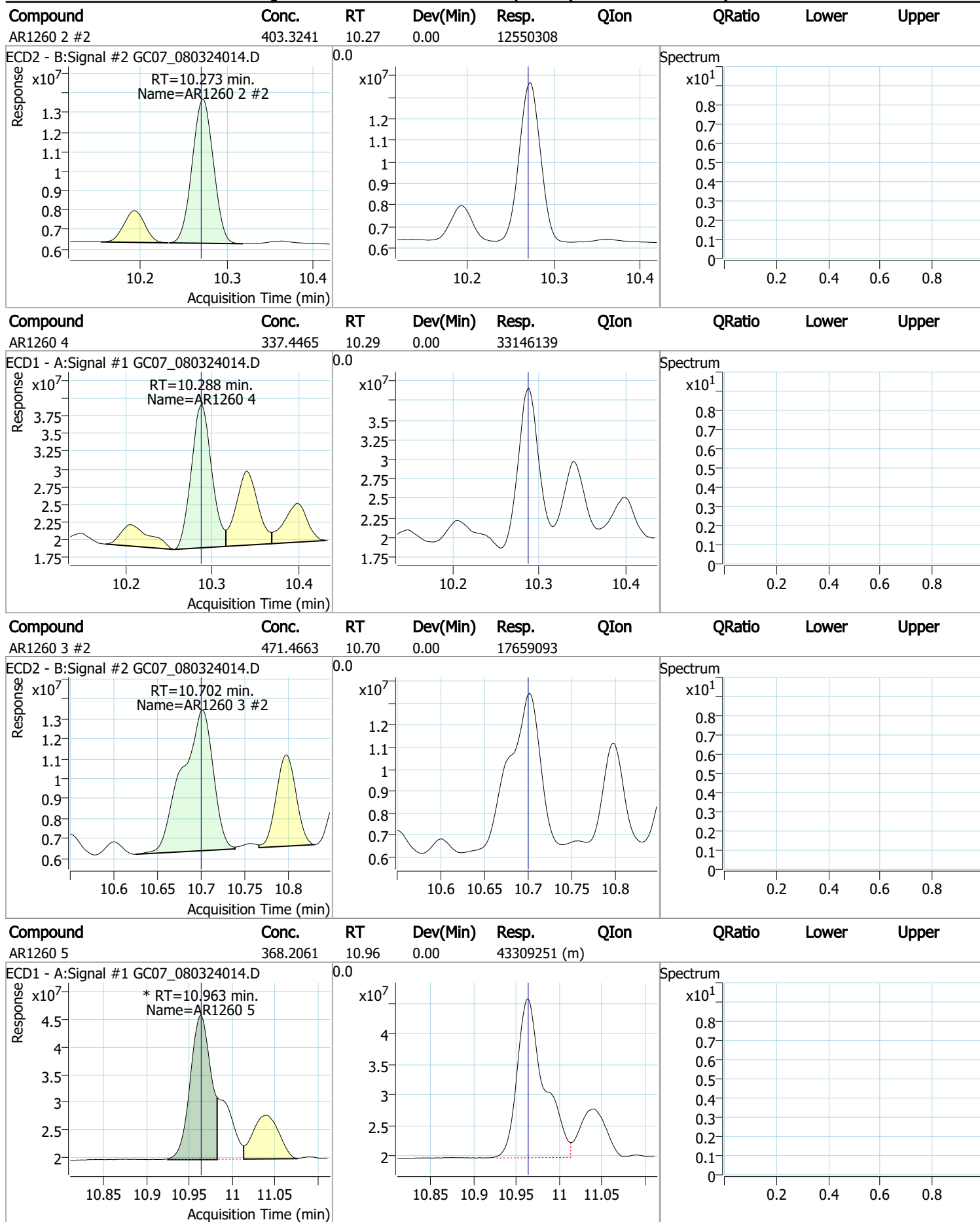
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	435.6436	9.82	0.00	74016809				



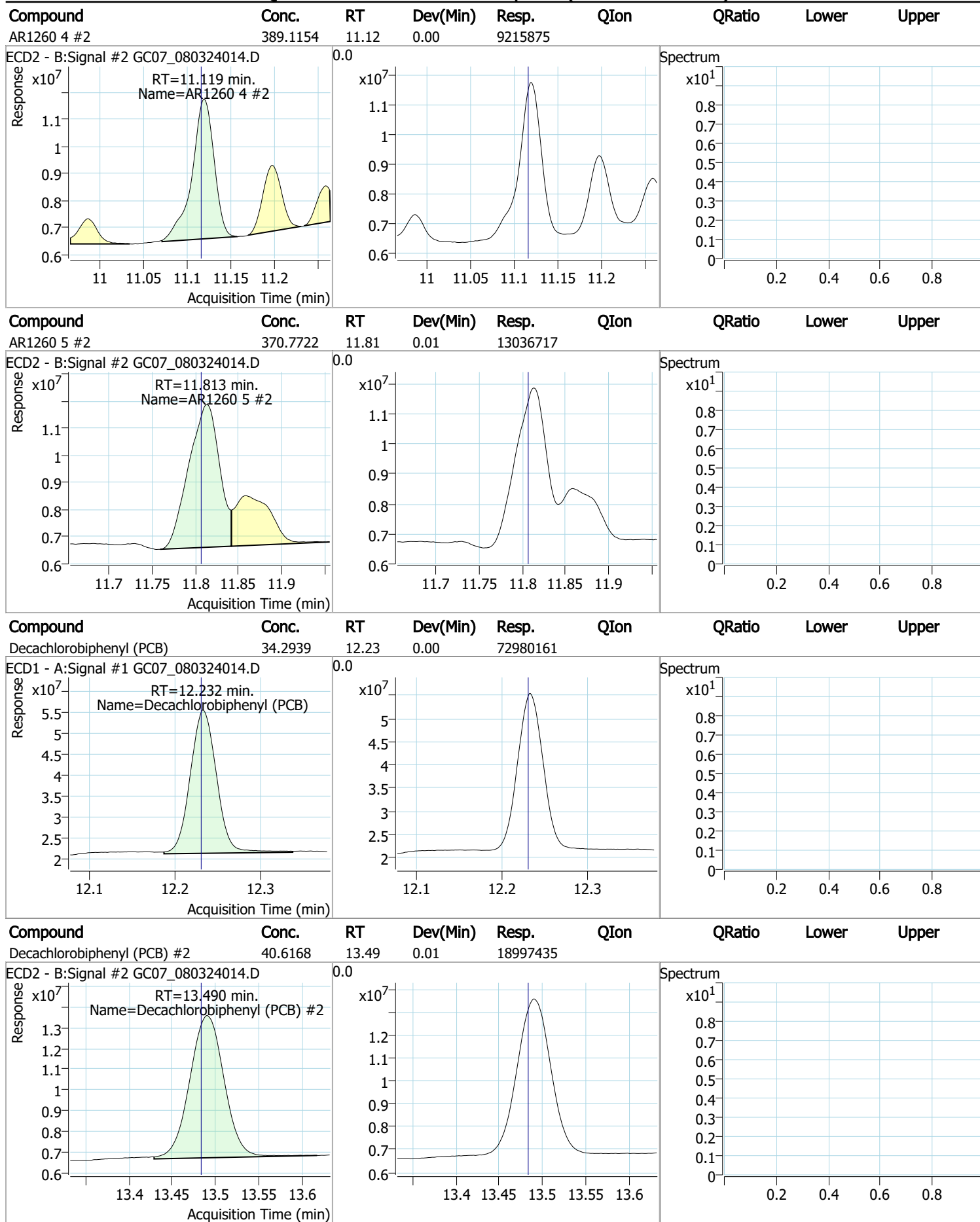
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	456.4470	10.01	0.00	11305997 (m)				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Initial Calibration Raw Data

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_062824019	464259633019		28-JUN-2024 12:46	S20882
L2	gc07_062824020	464259633020		28-JUN-2024 13:03	S20883
L3	gc07_062824021	464259633021		28-JUN-2024 13:21	S20884
L4	gc07_062824022	464259633022		28-JUN-2024 13:38	S20885
L5	gc07_062824023	464259633023		28-JUN-2024 13:56	S20886
L6	gc07_062824024	464259633024		28-JUN-2024 14:13	S20887
L7	gc07_062824025	464259633025		28-JUN-2024 14:30	S20888
L8	gc07_062824026	464259633026		28-JUN-2024 14:48	S20889
L9	gc07_062824027	464259633027		28-JUN-2024 15:05	S20890
L10	gc07_062824028	464259633028		28-JUN-2024 15:22	S20891

Analyte	Ch	Type	X	a0	a1	a2	Units	Avg RF	r ²	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	R		57.2020		ug/L	0.0175		16	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	R		27.5352		ug/L	0.0363		13	10	.99	20	
Aroclor-1016 Peak # 3	A	QUAD	A	0.90170	0.04022	2.187E-6	ug/L	0.0492	1.000		9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	R		32.9068		ug/L	0.0304		15	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	R		37.4363		ug/L	0.0267		10	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	R		18.6659		ug/L	0.0536		18	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	R		12.2216		ug/L	0.0818		14	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	R		11.3589		ug/L	0.0880		8	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	R		19.6475		ug/L	0.0509		7	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	R		16.4076		ug/L	0.0609		8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	R		0.90688		pg/uL	1.1027		14	9	.99	20	
TCMX (PCB)	A	AVRG	R		1.06736		pg/uL	0.9369		15	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	R		47.3550		ug/L	0.0211		18	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	R		22.9204		ug/L	0.0436		15	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	R		18.3774		ug/L	0.0544		17	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	R		24.8601		ug/L	0.0402		16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	R		30.7376		ug/L	0.0325		14	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	R		17.2826		ug/L	0.0579		18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	R		13.7571		ug/L	0.0727		20	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	R		11.4290		ug/L	0.0875		17	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	R		18.0746		ug/L	0.0553		16	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	R		12.1749		ug/L	0.0821		16	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	R		0.91525		pg/uL	1.0926		11	8	.99	20	
TCMX (PCB)	B	AVRG	R		1.04243		pg/uL	0.9593		17	9	.99	20	

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Where the X-Axis holds the (A)mount: Instrument response = $a0 + (amount \times a1) + (amount^2 \times a2)$ (invert equation before quantitating)

Where the X-Axis holds the (R)esponse: Instrument amount = $a0 + (response \times a1) + (response^2 \times a2)$

AVRG: Average response factor

QUAD: Quadratic regression

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A	0.0204	0.0237	0.0183	0.0178	0.0170	0.0160	0.0158	0.0154	0.0153	0.0150
Aroclor-1016 Peak # 2	A	0.0462	0.0405	0.0377	0.0385	0.0362	0.0341	0.0337	0.0326	0.0321	0.0317
Aroclor-1016 Peak # 3	A		0.0784	0.0501	0.0493	0.0455	0.0441	0.0436	0.0430	0.0436	0.0452
Aroclor-1016 Peak # 4	A	0.0426	0.0335	0.0298	0.0300	0.0292	0.0283	0.0280	0.0273	0.0272	0.0282
Aroclor-1016 Peak # 5	A	0.0312	0.0305	0.0278	0.0281	0.0265	0.0249	0.0249	0.0242	0.0243	0.0248
Aroclor-1260 Peak # 1	A	0.0676	0.0737	0.0530	0.0543	0.0504	0.0490	0.0485	0.0461	0.0467	0.0466
Aroclor-1260 Peak # 2	A	0.1082	0.0929	0.0851	0.0839	0.0786	0.0763	0.0750	0.0715	0.0722	0.0746
Aroclor-1260 Peak # 3	A	0.1043	0.0946	0.0910	0.0903	0.0854	0.0834	0.0844	0.0799	0.0818	0.0854
Aroclor-1260 Peak # 4	A		0.0584	0.0530	0.0527	0.0499	0.0494	0.0493	0.0471	0.0479	0.0504
Aroclor-1260 Peak # 5	A	0.0739	0.0636	0.0623	0.0612	0.0582	0.0584	0.0582	0.0564	0.0567	0.0606
Decachlorobiphenyl (PCB)	A		1.5078	1.1267	1.1199	1.0701	1.0482	1.0250	0.9890	0.9878	1.0497
TCMX (PCB)	A	1.2834	1.0822	0.9057	0.8981	0.8760	0.8461	0.8506	0.8374	0.8627	0.9267
Aroclor-1016 Peak # 1	B	0.0286	0.0258	0.0226	0.0225	0.0214	0.0190	0.0189	0.0181	0.0175	0.0167
Aroclor-1016 Peak # 2	B		0.0551	0.0493	0.0494	0.0460	0.0413	0.0403	0.0385	0.0372	0.0356
Aroclor-1016 Peak # 3	B		0.0703	0.0641	0.0618	0.0562	0.0505	0.0495	0.0470	0.0456	0.0448
Aroclor-1016 Peak # 4	B	0.0494	0.0498	0.0446	0.0432	0.0410	0.0368	0.0364	0.0348	0.0338	0.0326
Aroclor-1016 Peak # 5	B	0.0423	0.0365	0.0339	0.0346	0.0336	0.0302	0.0303	0.0288	0.0280	0.0272
Aroclor-1260 Peak # 1	B		0.0780	0.0641	0.0676	0.0601	0.0537	0.0527	0.0496	0.0483	0.0468
Aroclor-1260 Peak # 2	B		0.0968	0.0857	0.0826	0.0727	0.0645	0.0628	0.0591	0.0573	
Aroclor-1260 Peak # 3	B	0.1123	0.1060	0.0975	0.0970	0.0875	0.0793	0.0782	0.0741	0.0722	0.0710
Aroclor-1260 Peak # 4	B	0.0753	0.0495	0.0610	0.0622	0.0569	0.0518	0.0525	0.0494	0.0474	0.0474
Aroclor-1260 Peak # 5	B	0.1055	0.0973	0.0906	0.0887	0.0812	0.0750	0.0747	0.0712	0.0688	0.0685
Decachlorobiphenyl (PCB)	B			1.2760	1.2622	1.1448	1.0636	1.0490	1.0173	0.9619	0.9659
TCMX (PCB)	B		1.3236	1.0700	1.0311	0.9527	0.8648	0.8632	0.8398	0.8390	0.8493

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	10.000	16	20.000	36	50.000	5	100.00	2	250.00	-3	500.00	-8	750.00	-10	1000.0	-12
Aroclor-1016 Peak # 2	A	10.000	27	20.000	11	50.000	4	100.00	6	250.00	0	500.00	-6	750.00	-7	1000.0	-10
Aroclor-1016 Peak # 3	A			20.000	-17	50.000	-21	100.00	0	250.00	3	500.00	2	750.00	1	1000.0	-1
Aroclor-1016 Peak # 4	A	10.000	40	20.000	10	50.000	-2	100.00	-1	250.00	-4	500.00	-7	750.00	-8	1000.0	-10
Aroclor-1016 Peak # 5	A	10.000	17	20.000	14	50.000	4	100.00	5	250.00	-1	500.00	-7	750.00	-7	1000.0	-9
Aroclor-1260 Peak # 1	A	10.000	26	20.000	38	50.000	-1	100.00	1	250.00	-6	500.00	-9	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	A	10.000	32	20.000	14	50.000	4	100.00	3	250.00	-4	500.00	-7	750.00	-8	1000.0	-13
Aroclor-1260 Peak # 3	A	10.000	18	20.000	7	50.000	3	100.00	3	250.00	-3	500.00	-5	750.00	-4	1000.0	-9
Aroclor-1260 Peak # 4	A			20.000	15	50.000	4	100.00	4	250.00	-2	500.00	-3	750.00	-3	1000.0	-7
Aroclor-1260 Peak # 5	A	10.000	21	20.000	4	50.000	2	100.00	0	250.00	-4	500.00	-4	750.00	-4	1000.0	-7
Decachlorobiphenyl (PCB)	A			1.6000	37	4.0000	2	8.0000	2	20.000	-3	40.000	-5	60.000	-7	80.000	-10
TCMX (PCB)	A	0.8000	37	1.6000	16	4.0000	-3	8.0000	-4	20.000	-6	40.000	-10	60.000	-9	80.000	-11
Aroclor-1016 Peak # 1	B	10.000	35	20.000	22	50.000	7	100.00	6	250.00	1	500.00	-10	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 2	B			20.000	26	50.000	13	100.00	13	250.00	5	500.00	-5	750.00	-8	1000.0	-12
Aroclor-1016 Peak # 3	B			20.000	29	50.000	18	100.00	14	250.00	3	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	23	20.000	24	50.000	11	100.00	7	250.00	2	500.00	-9	750.00	-10	1000.0	-14
Aroclor-1016 Peak # 5	B	10.000	30	20.000	12	50.000	4	100.00	6	250.00	3	500.00	-7	750.00	-7	1000.0	-12
Aroclor-1260 Peak # 1	B			20.000	35	50.000	11	100.00	17	250.00	4	500.00	-7	750.00	-9	1000.0	-14
Aroclor-1260 Peak # 2	B			20.000	33	50.000	18	100.00	14	250.00	0	500.00	-11	750.00	-14	1000.0	-19
Aroclor-1260 Peak # 3	B	10.000	28	20.000	21	50.000	11	100.00	11	250.00	0	500.00	-9	750.00	-11	1000.0	-15
Aroclor-1260 Peak # 4	B	10.000	36	20.000	-11	50.000	10	100.00	12	250.00	3	500.00	-6	750.00	-5	1000.0	-11
Aroclor-1260 Peak # 5	B	10.000	28	20.000	18	50.000	10	100.00	8	250.00	-1	500.00	-9	750.00	-9	1000.0	-13
Decachlorobiphenyl (PCB)	B					4.0000	17	8.0000	16	20.000	5	40.000	-3	60.000	-4	80.000	-7
TCMX (PCB)	B			1.6000	38	4.0000	12	8.0000	7	20.000	-1	40.000	-10	60.000	-10	80.000	-12

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-12	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-12	2000.0	-13
Aroclor-1016 Peak # 3	A	1500.0	-1	2000.0	0
Aroclor-1016 Peak # 4	A	1500.0	-11	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-9	2000.0	-7
Aroclor-1260 Peak # 1	A	1500.0	-13	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-12	2000.0	-9
Aroclor-1260 Peak # 3	A	1500.0	-7	2000.0	-3
Aroclor-1260 Peak # 4	A	1500.0	-6	2000.0	-1
Aroclor-1260 Peak # 5	A	1500.0	-7	2000.0	-1
Decachlorobiphenyl (PCB)	A	120.00	-10	160.00	-5
TCMX (PCB)	A	120.00	-8	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-17	2000.0	-21
Aroclor-1016 Peak # 2	B	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 4	B	1500.0	-16	2000.0	-19
Aroclor-1016 Peak # 5	B	1500.0	-14	2000.0	-17
Aroclor-1260 Peak # 1	B	1500.0	-16	2000.0	-19
Aroclor-1260 Peak # 2	B	1500.0	-21		
Aroclor-1260 Peak # 3	B	1500.0	-18	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-14	2000.0	-14
Aroclor-1260 Peak # 5	B	1500.0	-16	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-12	160.00	-12
TCMX (PCB)	B	120.00	-13	160.00	-11

KLR 06/28/24 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1016 Peak # 4 A]: Separated from coeluting peak for Ch. A in multiple levels.

KLR 06/28/24 [Aroclor-1260 Peak # 3 A]: Corrected automatically drawn baseline for Ch. A in multiple levels.

Instrument: SVOA-GC07
Calibration #: 464259633001

Name: PCB_ICAL_062824
Date: 28-JUN-2024 12:46

Analyst: KLR 06/28/24

Reviewer: MTS 07/01/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 513228 PCBS Wipe
EPA 8082

Inst: SVOA-GC07	Name: PCB_ICAL_062824
Calnum: 464259633001	Cal Date: 28-JUN-2024

• ICV 464259633030 (gc07_062824030 28-JUN-2024) stds: S20893

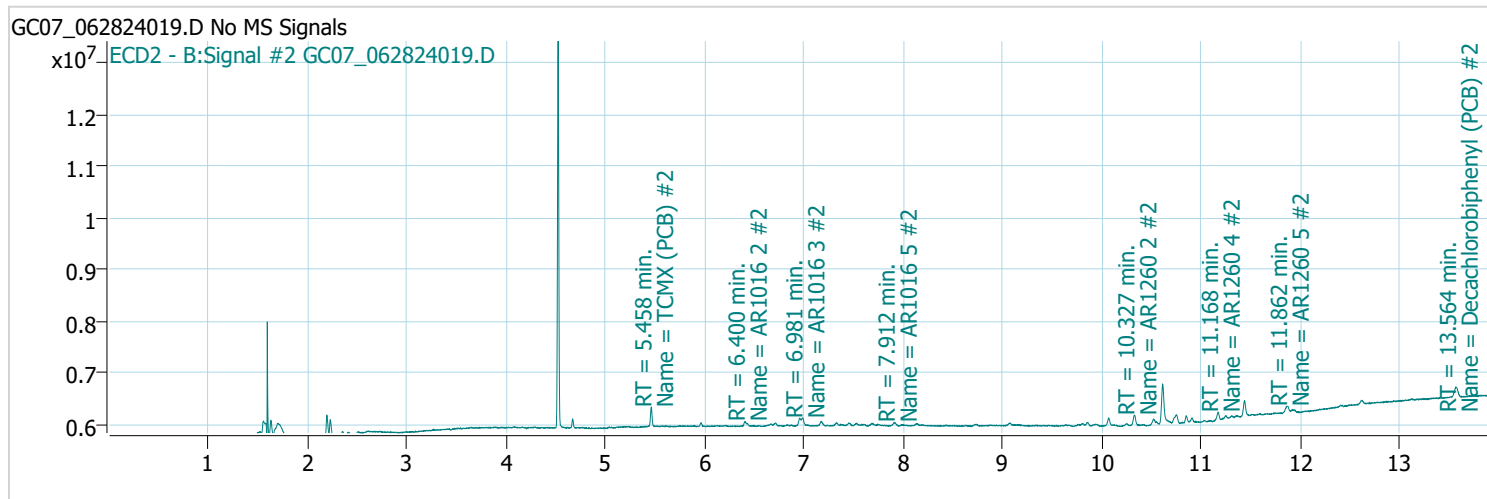
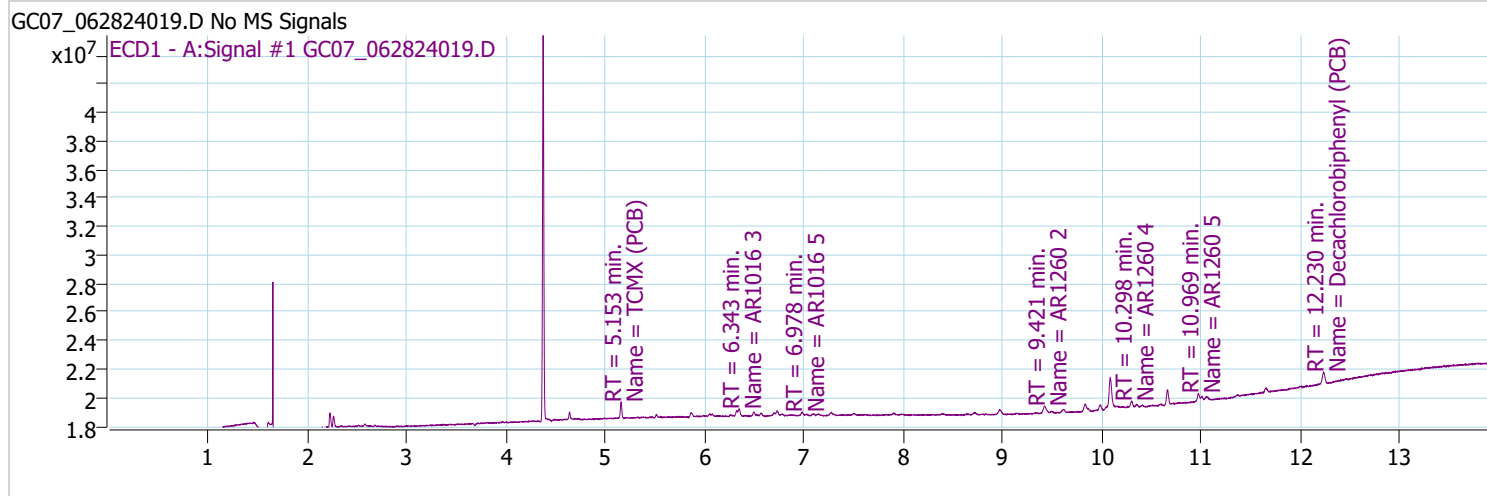
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.8	ug/L	-3	15	
Aroclor-1260	A	500.0	484.9	ug/L	-3	15	
Aroclor-1016	B	500.0	483.6	ug/L	-3	15	
Aroclor-1260	B	500.0	487.2	ug/L	-3	15	

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Analyst: KLR 06/28/24 **Reviewer:** MTS 07/01/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_062824019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 12:46:26 PM
Sample Name	ICAL, S20882	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	10 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	24571557.1 63	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	6870927.88 4	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	1261418.44 3	1.0959	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.48%	*	
S TCMX (PCB) #2	5.458	0.0	479922.074	1.4562	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.28%	*	
S Decachlorobiphenyl (PCB)	12.230	0.0	1592723.13 1	1.1757	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.88%	*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	529439.591	1.4105	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.05%	*	

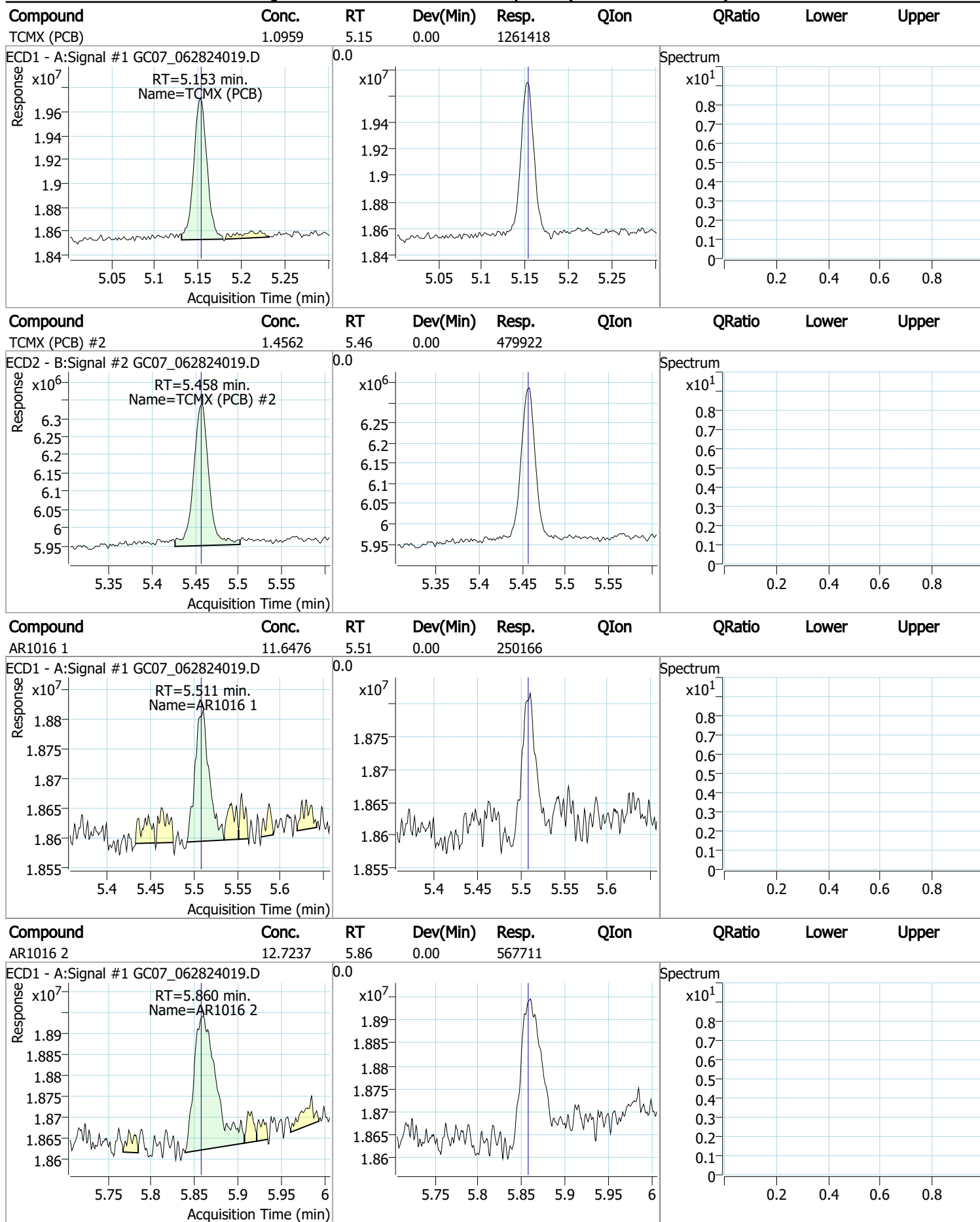
Target Compounds	RT	QIon	Resp.	Conc.	Units	QValue
T AR1016 1	5.511	0.0	250166.382	11.6476	ng/ml	100

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.860	0.0	567711.062	12.7237	ng/ml	100
T AR1016 1 #2	5.955	0.0	98252.376	13.5433	ng/ml	100
T AR1016 3	6.343	0.0	823683.187	14.7144	ng/ml	100
T AR1016 2 #2	6.400	0.0	234963.615	15.6761	ng/ml	100
T AR1016 4	6.490	0.0	523436.173	14.0199	ng/ml	100
T AR1016 5	6.978	0.0	382913.674	11.6679	ng/ml	100
T AR1016 3 #2	6.981	0.0	274478.452	14.6828	ng/ml	100
T AR1016 4 #2	7.171	0.0	169636.591	12.2754	ng/ml	100
T AR1016 5 #2	7.912	0.0	145456.994	13.0143	ng/ml	100
T AR1260 1	8.965	0.0	830630.752	12.6199	ng/ml	100
T AR1260 2	9.421	0.0	1329214.967	13.2227	ng/ml	100
T AR1260 3	9.828	0.0	1281172.483	11.8452	ng/ml	100
T AR1260 1 #2	10.065	0.0	300993.079	15.1419	ng/ml	100
T AR1260 4	10.298	0.0	688961.990	11.0179	ng/ml	100
T AR1260 2 #2	10.327	0.0	408888.473	16.3737	ng/ml	100
T AR1260 3 #2	10.747	0.0	385734.045	12.8325	ng/ml	100
T AR1260 5	10.969	0.0	908059.589	12.1271	ng/ml	100
T AR1260 4 #2	11.168	0.0	258781.502	13.6150	ng/ml	100
T AR1260 5 #2	11.862	0.0	362498.558	12.8466	ng/ml	100

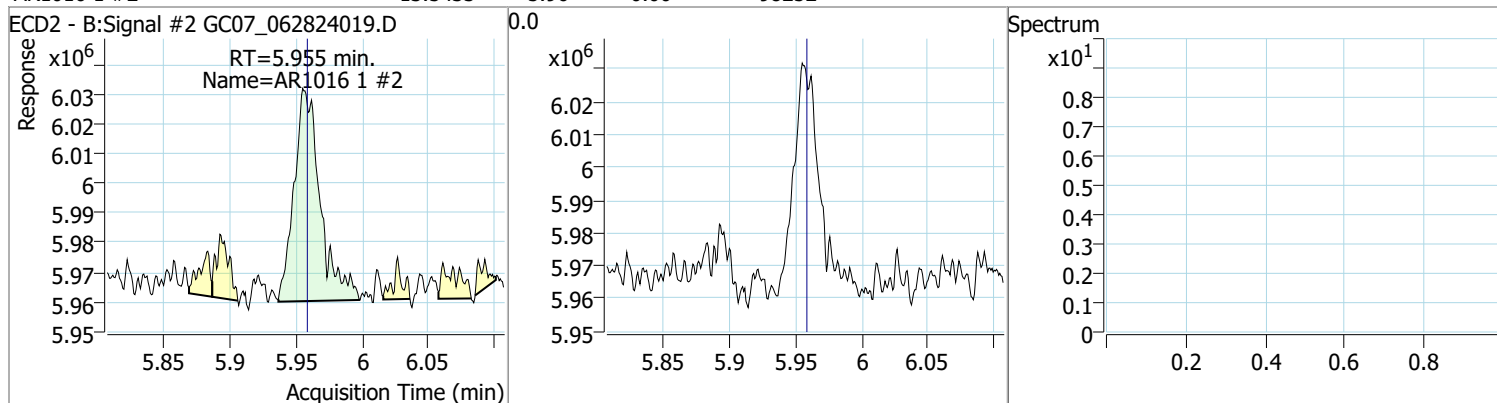
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

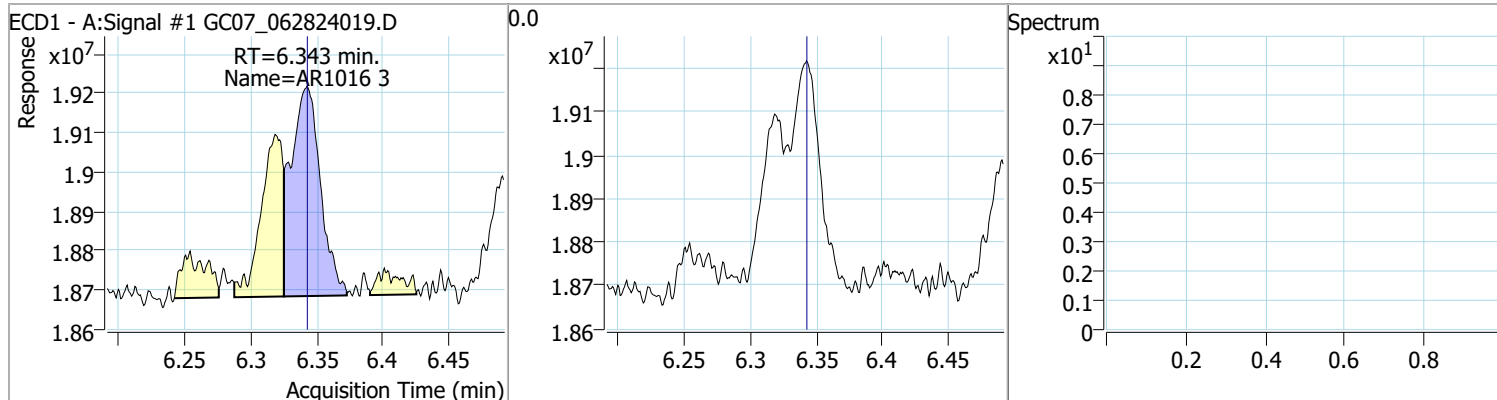


Quantitation Results Report (Not Reviewed)

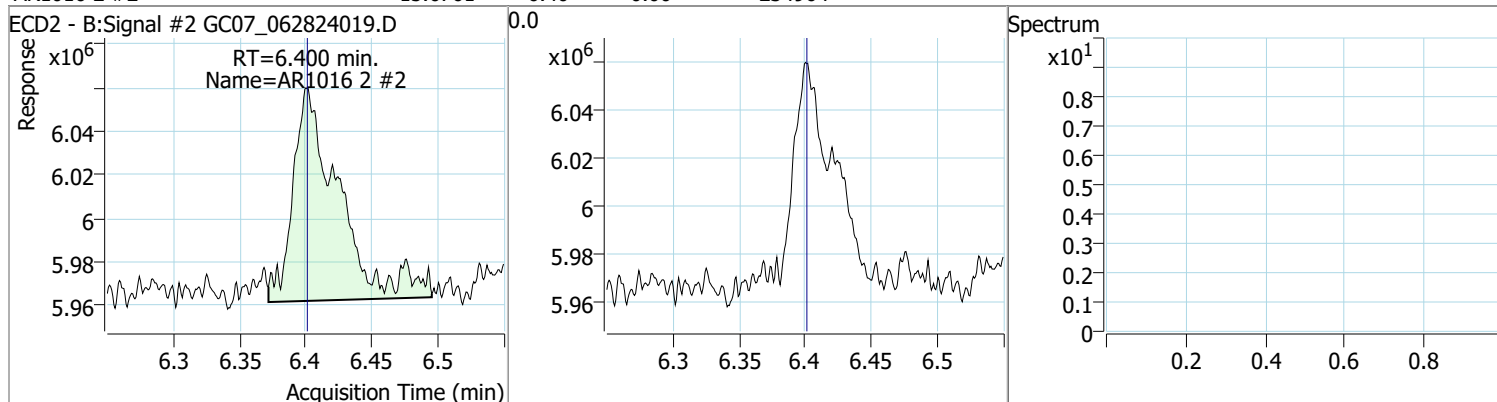
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	13.5433	5.96	0.00	98252				



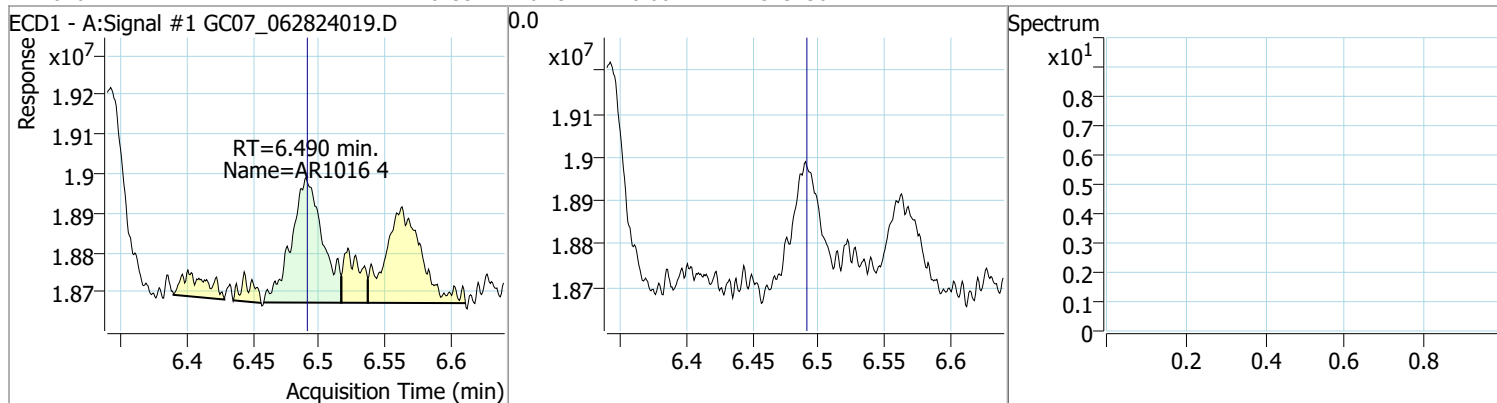
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	14.7144	6.34	0.00	823683				



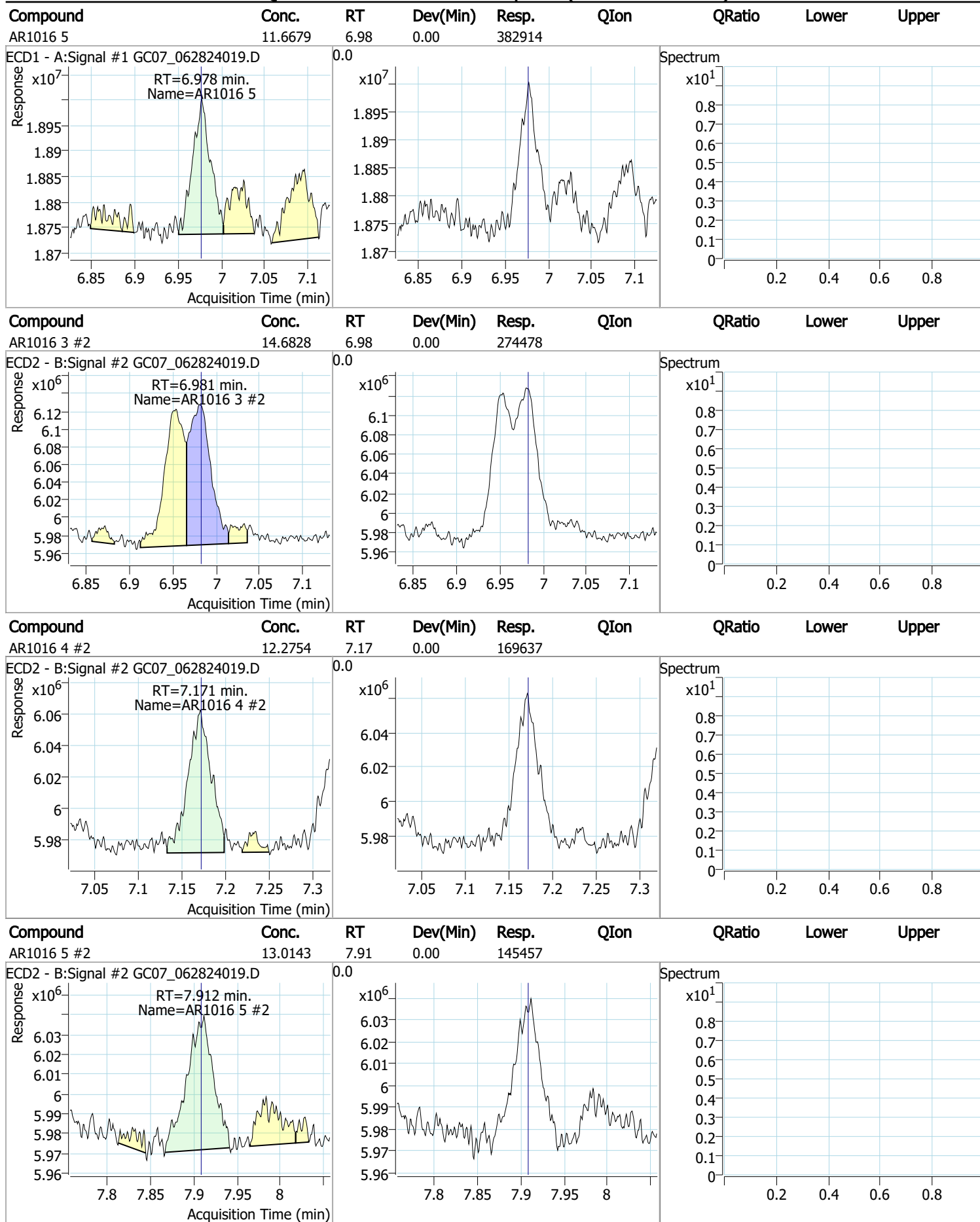
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	15.6761	6.40	0.00	234964				



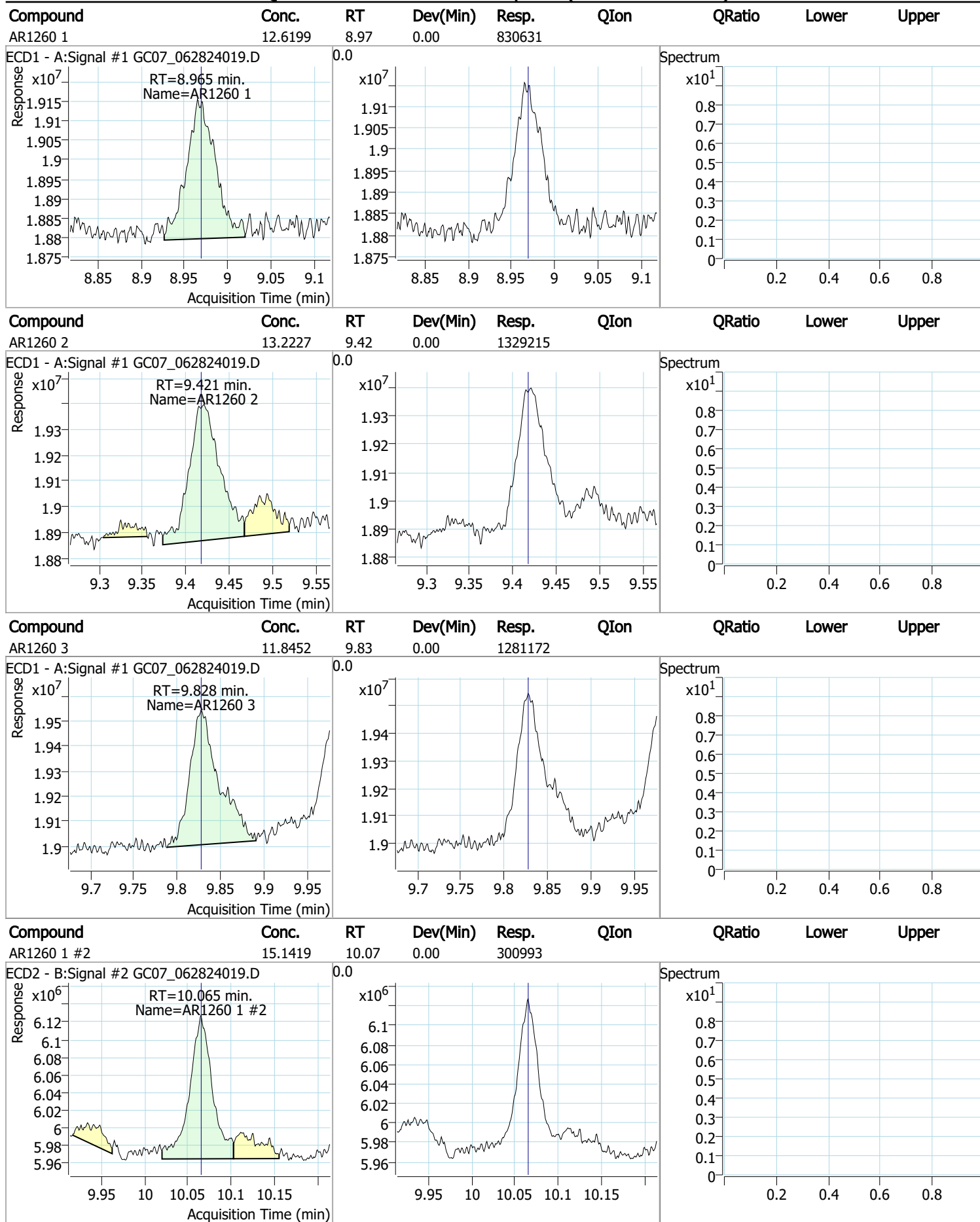
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	14.0199	6.49	0.00	523436				



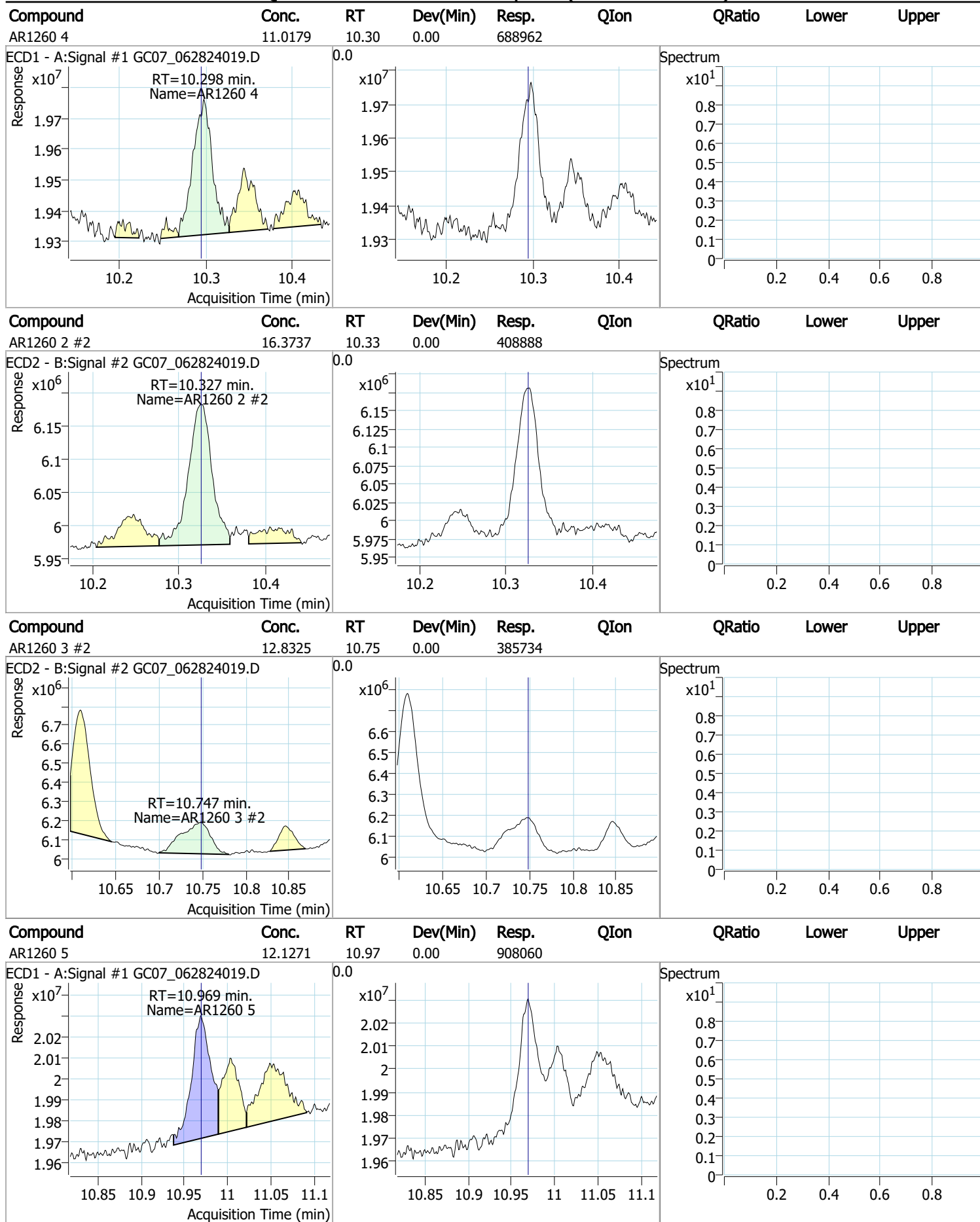
Quantitation Results Report (Not Reviewed)



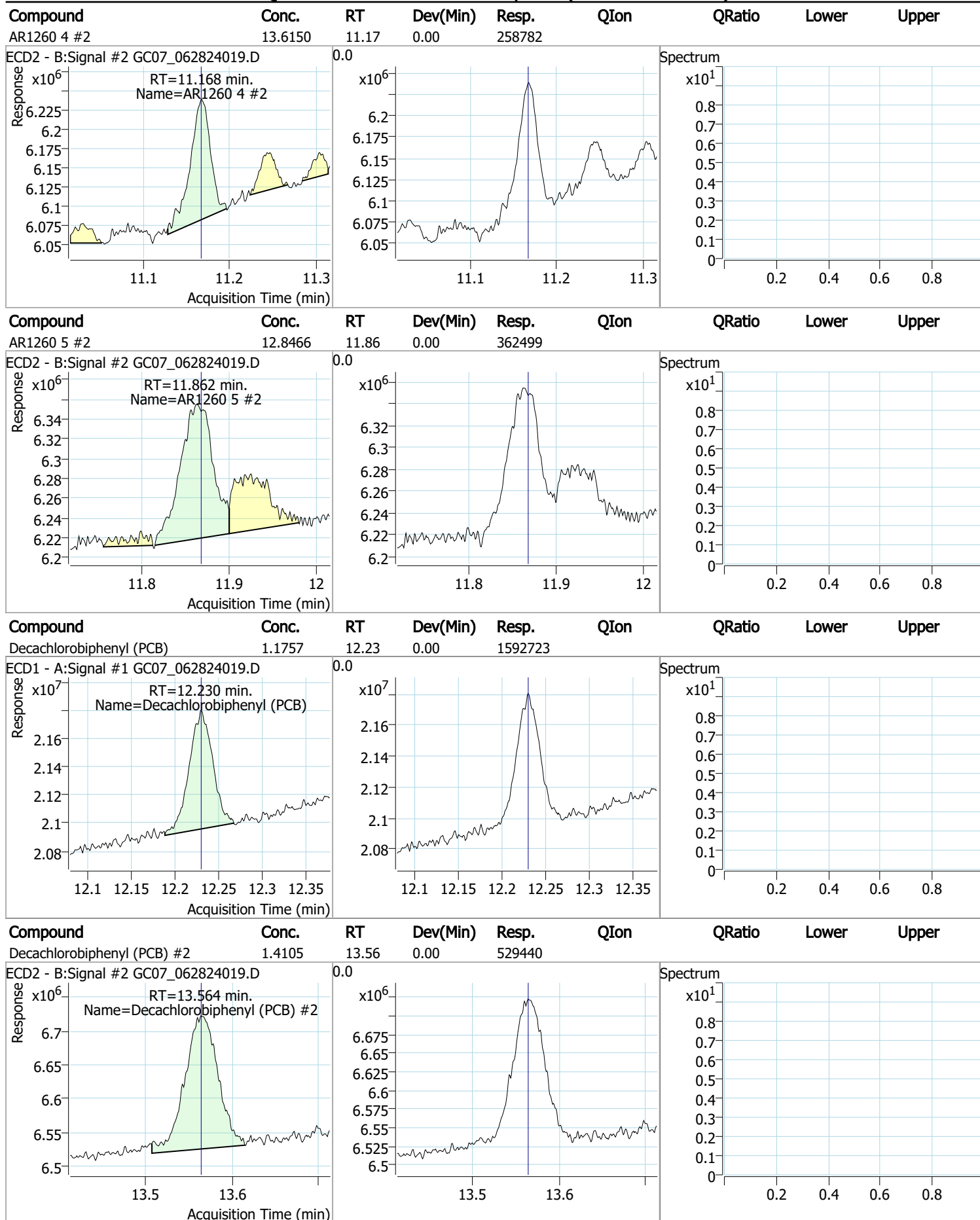
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

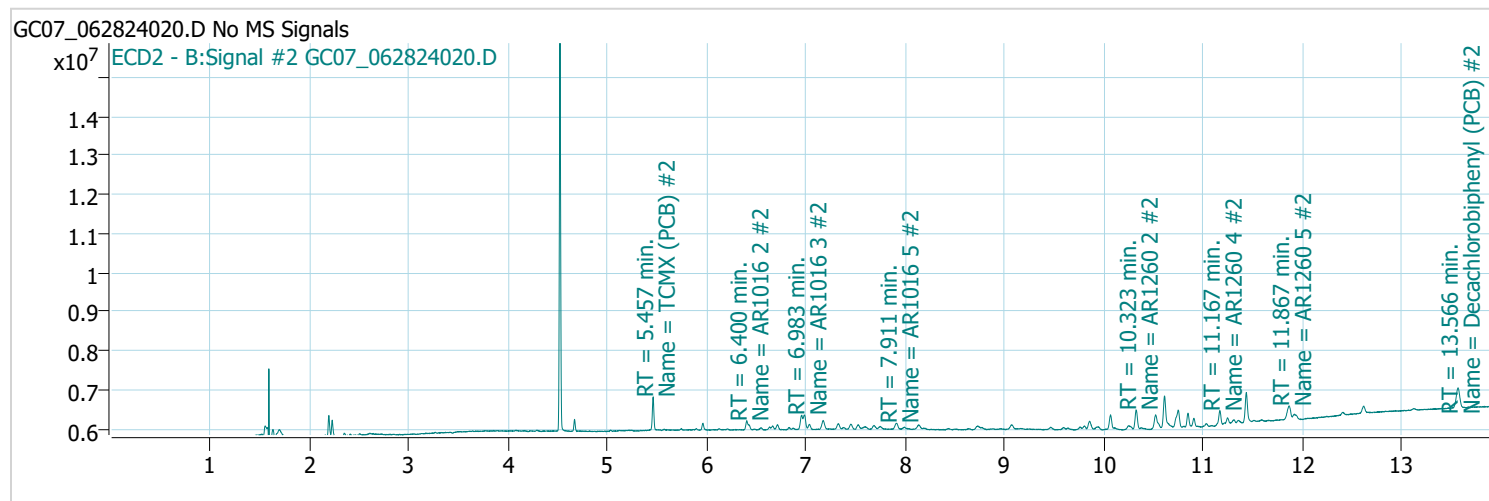
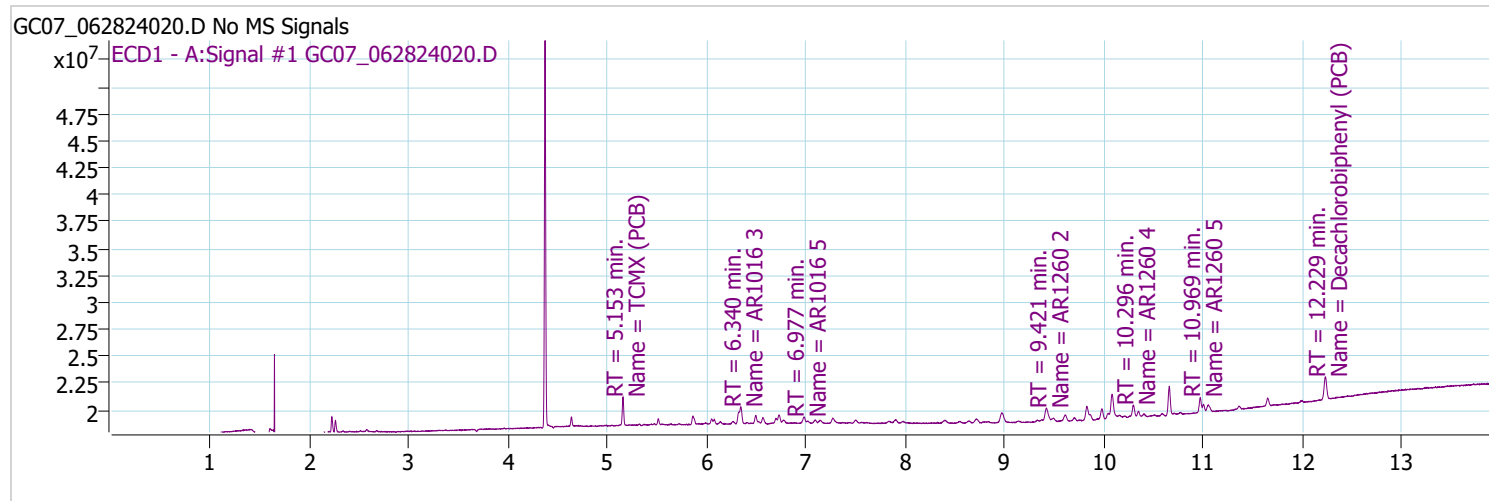


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:03:54 PM
Sample Name	ICAL, S20883	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



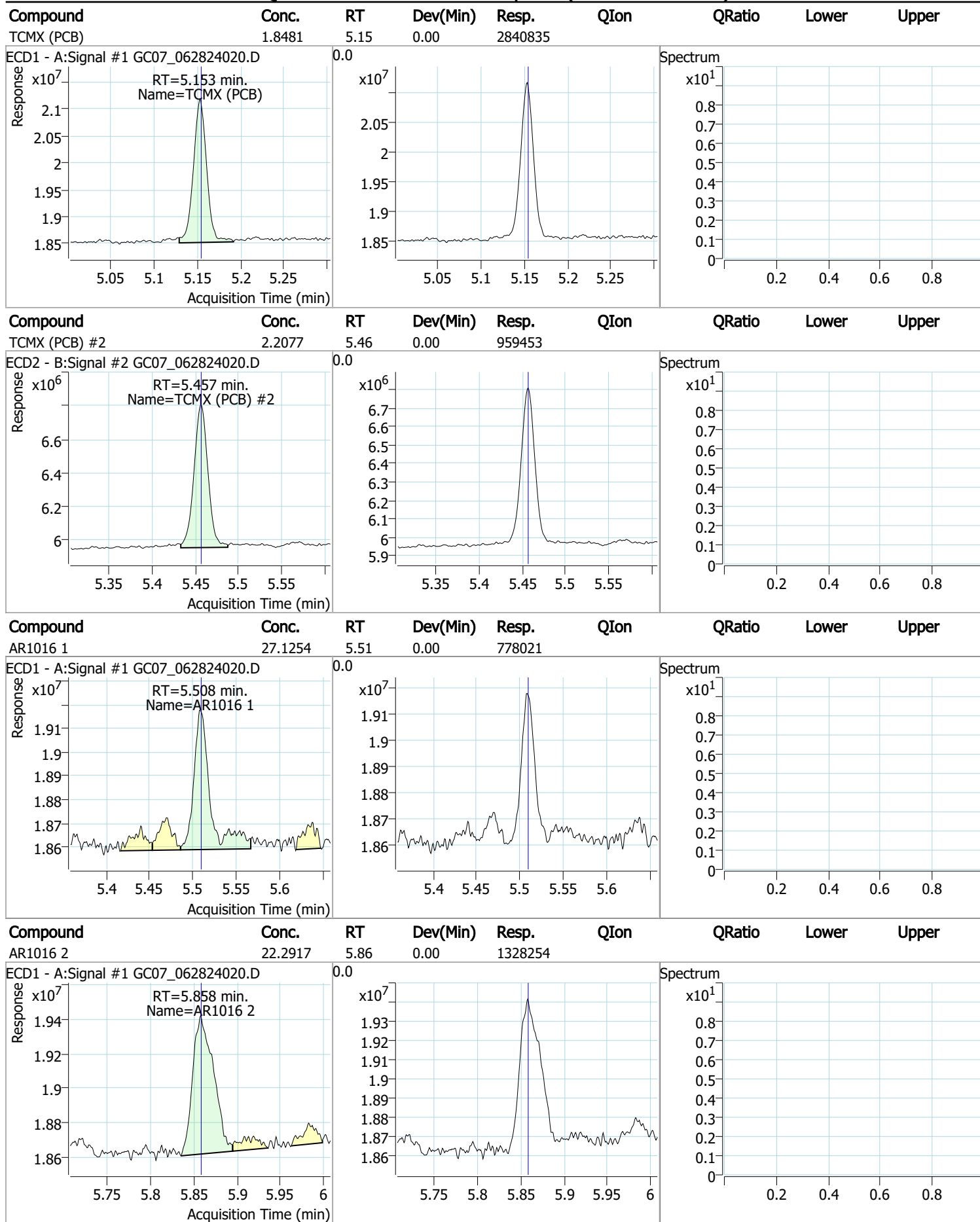
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	32813773.5 36	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9060765.11 6	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	2840834.54 0	1.8481	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.24%	*	
S TCMX (PCB) #2	5.457	0.0	959453.181	2.2077	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 11.04%	*	
S Decachlorobiphenyl (PCB)	12.229	0.0	3958101.06 1	2.1878	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.94%	*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	1322291.57 0	2.6713	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 13.36%	*	
Target Compounds						
T AR1016 1	5.508	0.0	778021.224	27.1254	ng/ml	100

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.858	0.0	1328254.498	22.2917	ng/ml	100
T AR1016 1 #2	5.959	0.0	234191.399	24.4795	ng/ml	100
T AR1016 3	6.340	0.0	2571625.561	34.4007	ng/ml m	100
T AR1016 2 #2	6.400	0.0	499061.047	25.2488	ng/ml	100
T AR1016 4	6.492	0.0	1099340.852	22.0491	ng/ml m	100
T AR1016 5	6.977	0.0	1000156.918	22.8210	ng/ml	100
T AR1016 3 #2	6.983	0.0	636605.373	25.8238	ng/ml	100
T AR1016 4 #2	7.170	0.0	451066.540	24.7519	ng/ml	100
T AR1016 5 #2	7.911	0.0	330412.358	22.4177	ng/ml	100
T AR1260 1	8.971	0.0	2419291.681	27.5240	ng/ml	100
T AR1260 2	9.421	0.0	3049907.638	22.7190	ng/ml	100
T AR1260 3	9.827	0.0	3105274.279	21.4986	ng/ml m	100
T AR1260 1 #2	10.066	0.0	707182.644	26.9777	ng/ml	100
T AR1260 4	10.296	0.0	1916354.860	22.9487	ng/ml	100
T AR1260 2 #2	10.323	0.0	876957.107	26.6300	ng/ml	100
T AR1260 3 #2	10.747	0.0	960062.850	24.2200	ng/ml	100
T AR1260 5	10.969	0.0	2085632.219	20.8573	ng/ml	100
T AR1260 4 #2	11.167	0.0	448239.327	17.8832	ng/ml	100
T AR1260 5 #2	11.867	0.0	881344.046	23.6852	ng/ml	100

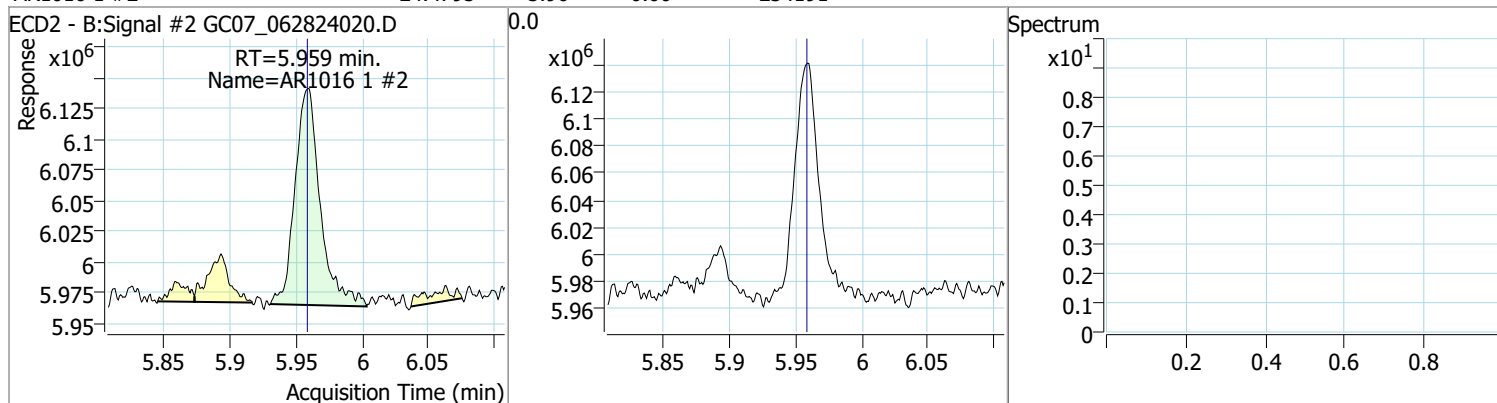
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

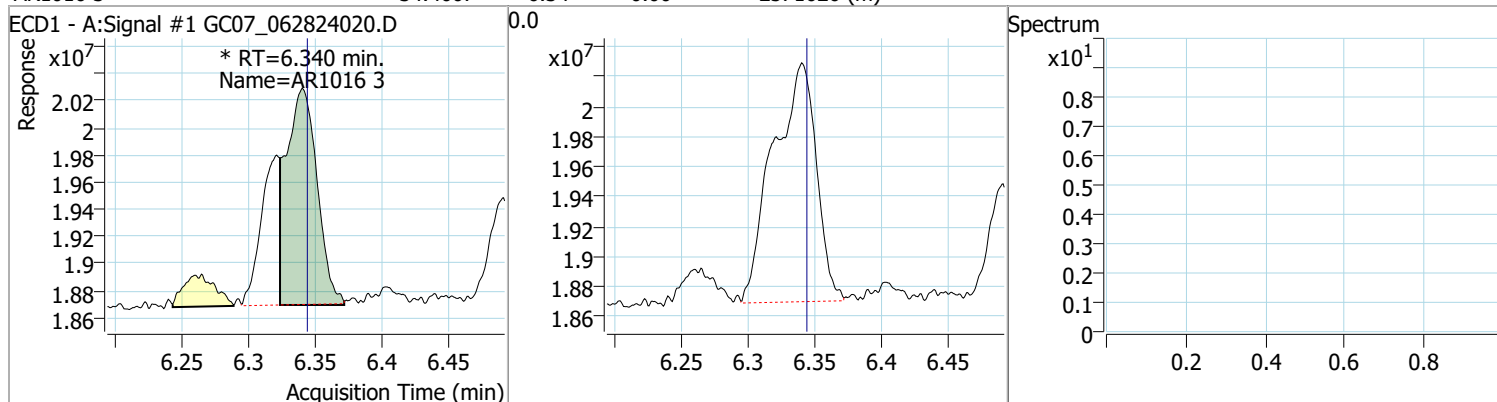


Quantitation Results Report (Not Reviewed)

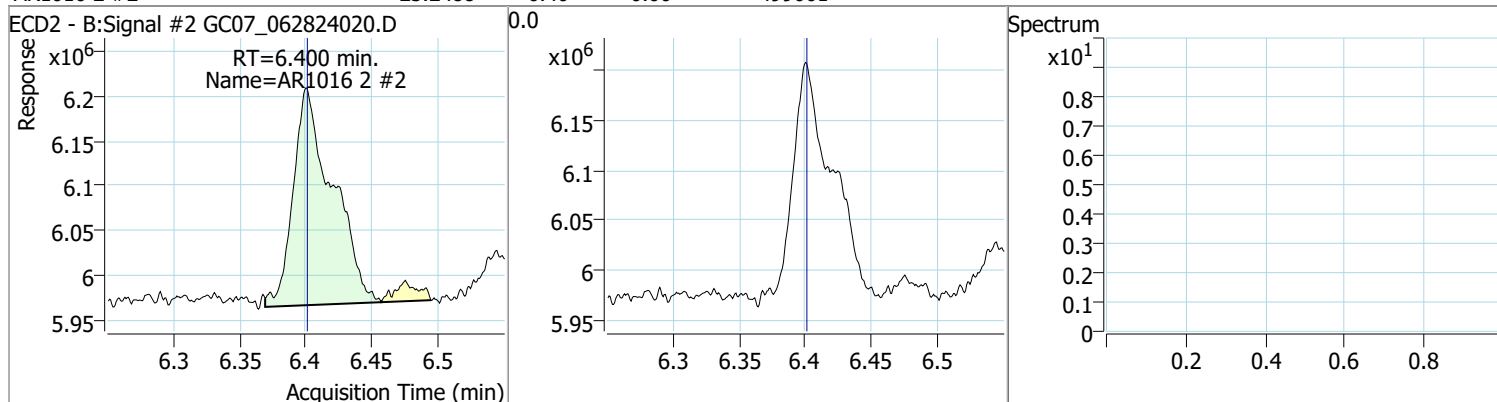
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.4795	5.96	0.00	234191				



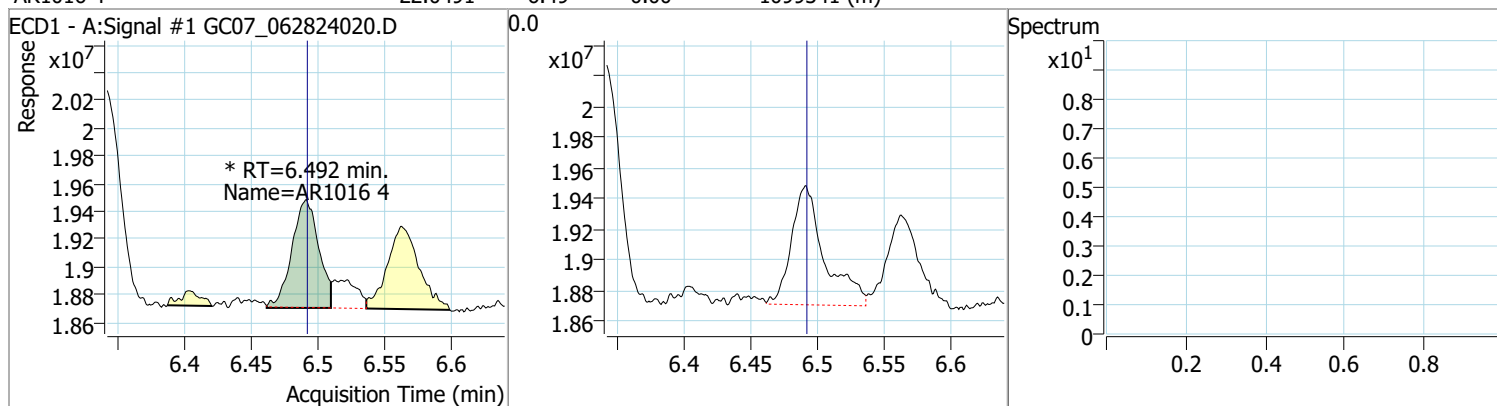
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.4007	6.34	0.00	2571626 (m)				



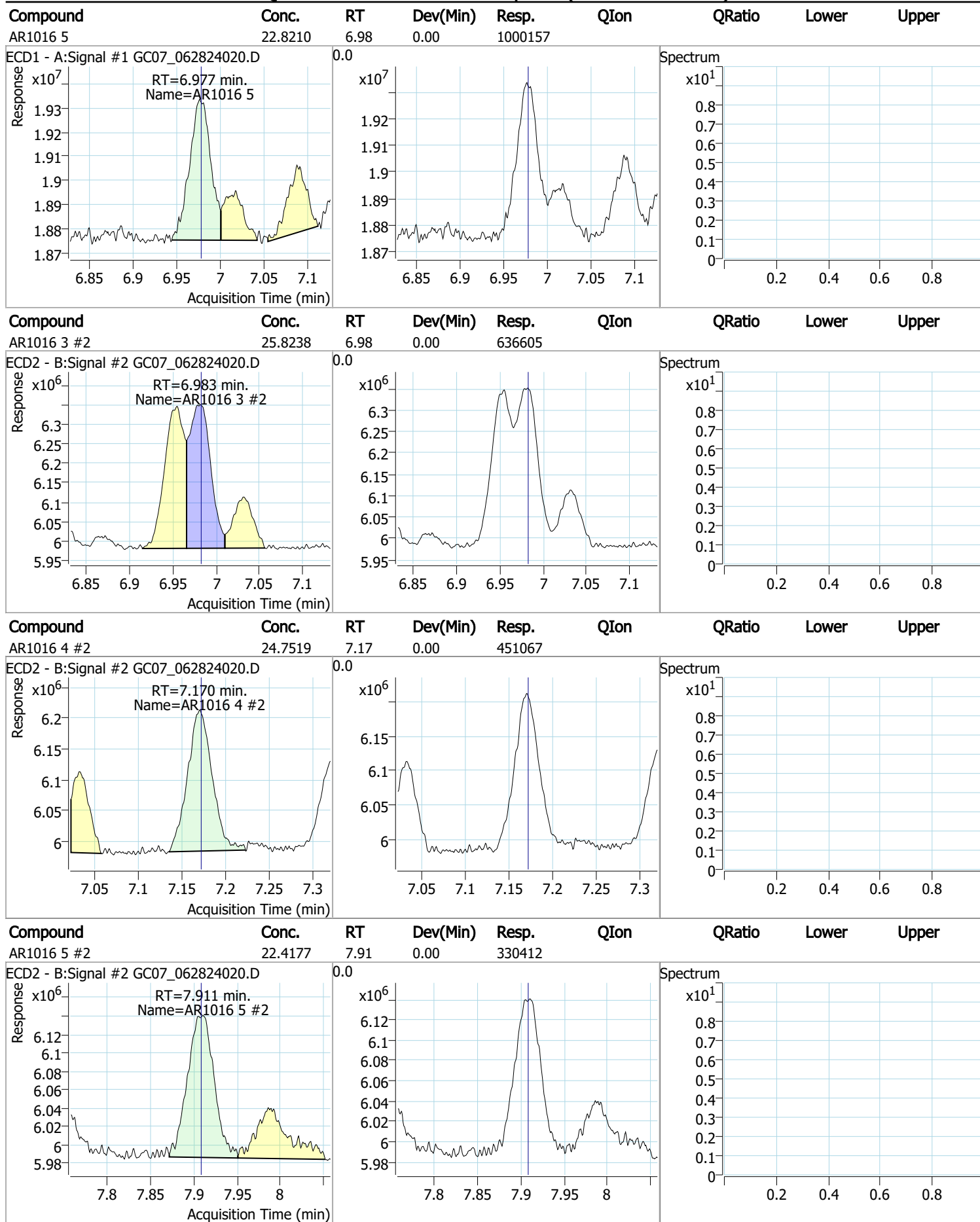
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	25.2488	6.40	0.00	499061				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	22.0491	6.49	0.00	1099341 (m)				

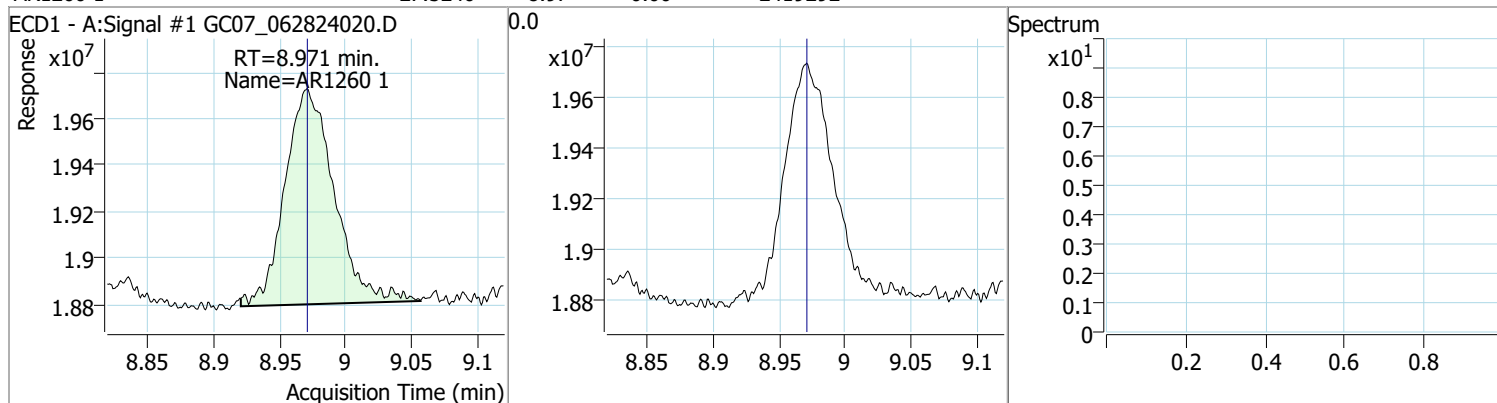


Quantitation Results Report (Not Reviewed)

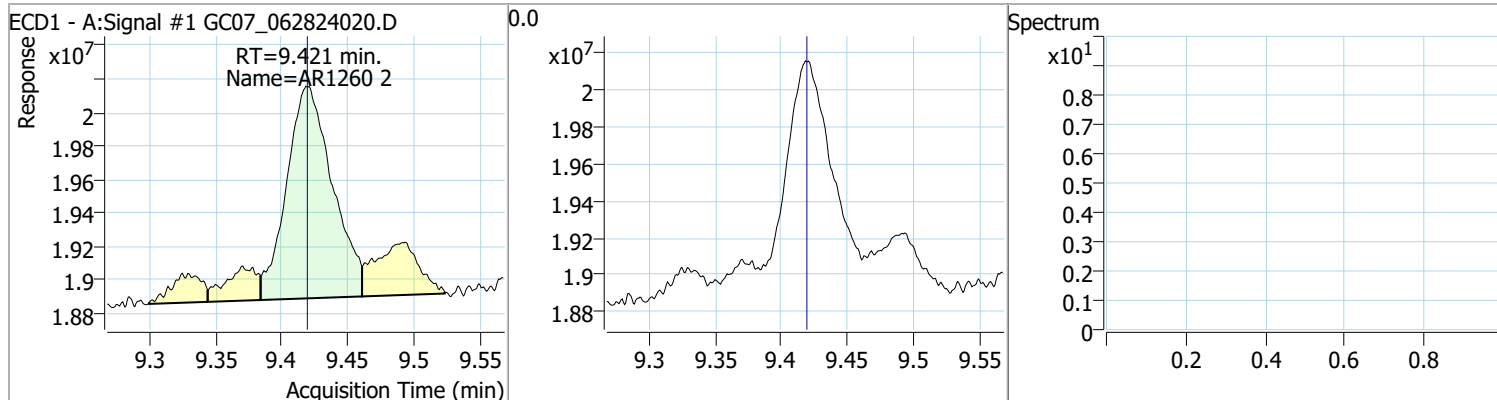


Quantitation Results Report (Not Reviewed)

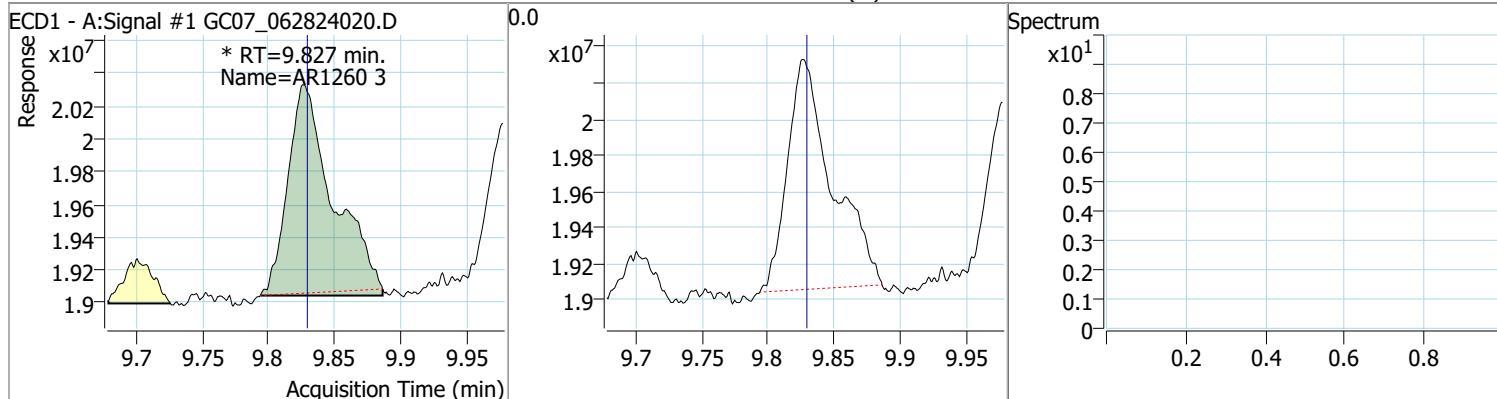
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.5240	8.97	0.00	2419292				



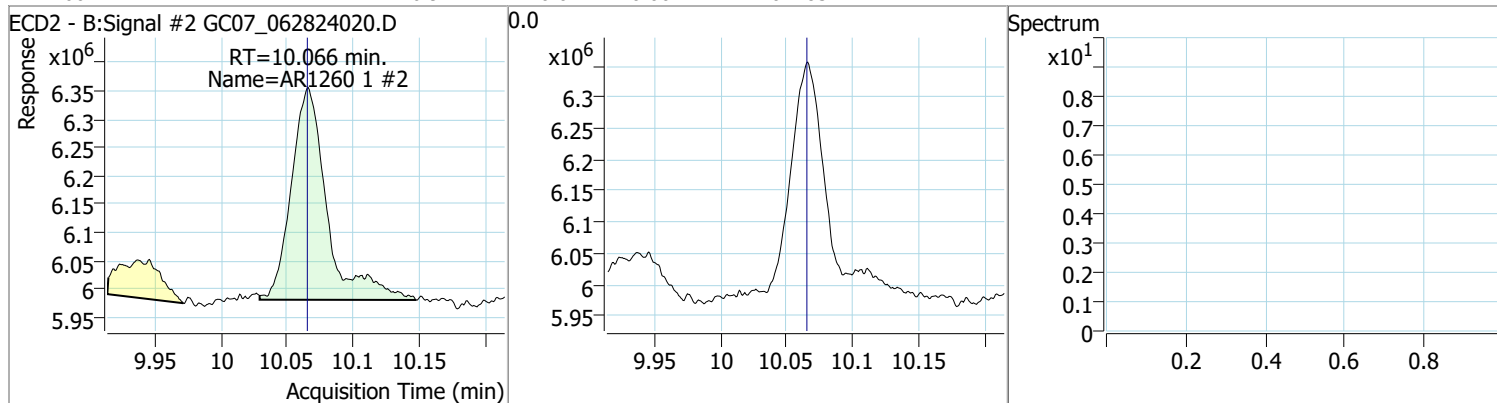
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	22.7190	9.42	0.00	3049908				



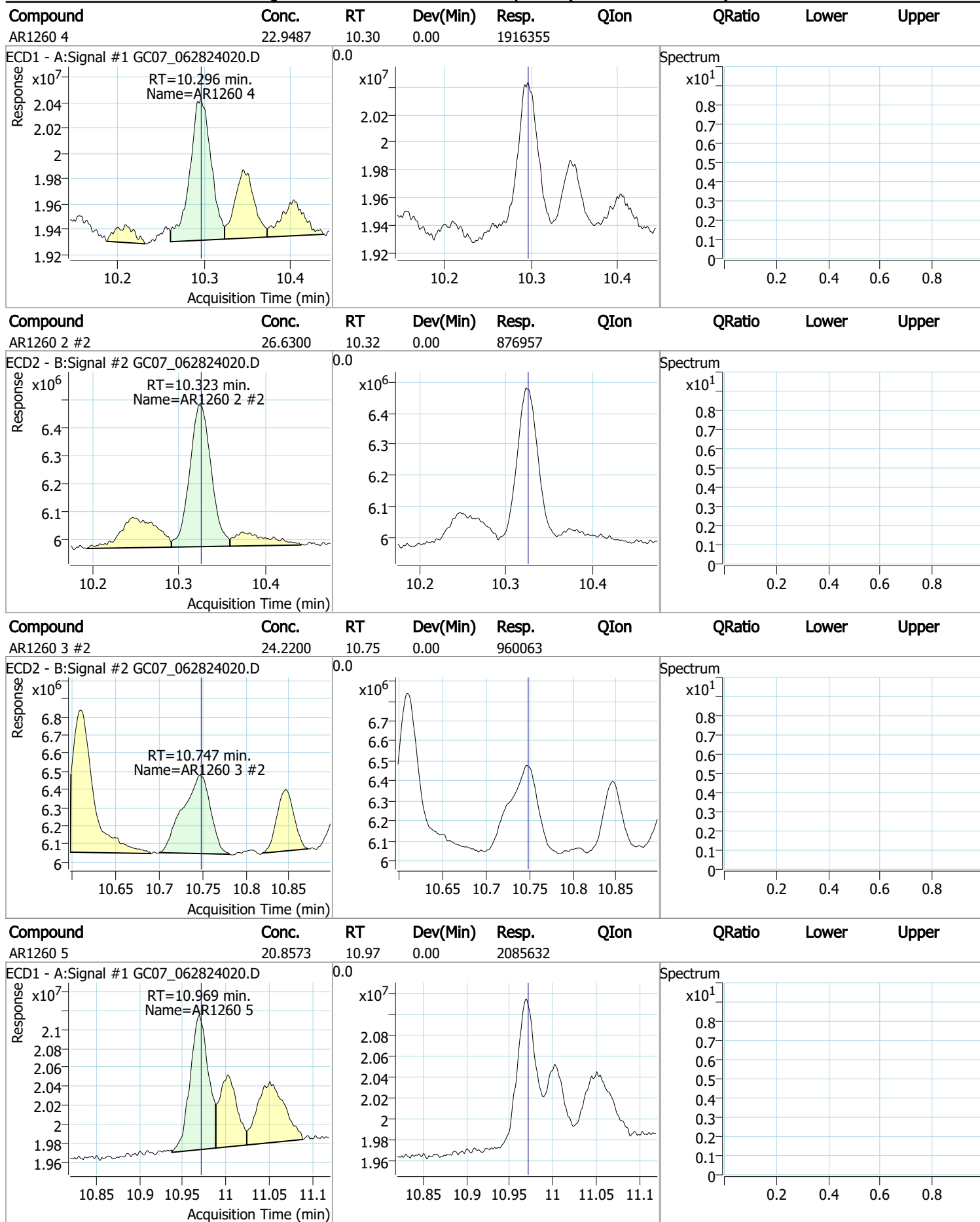
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	21.4986	9.83	0.00	3105274 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.9777	10.07	0.00	707183				

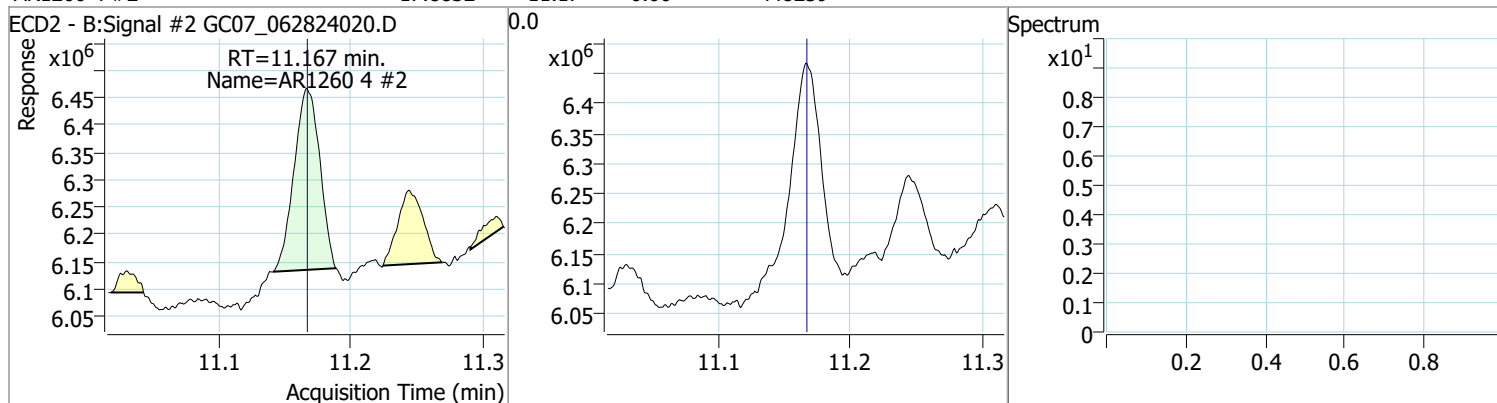


Quantitation Results Report (Not Reviewed)

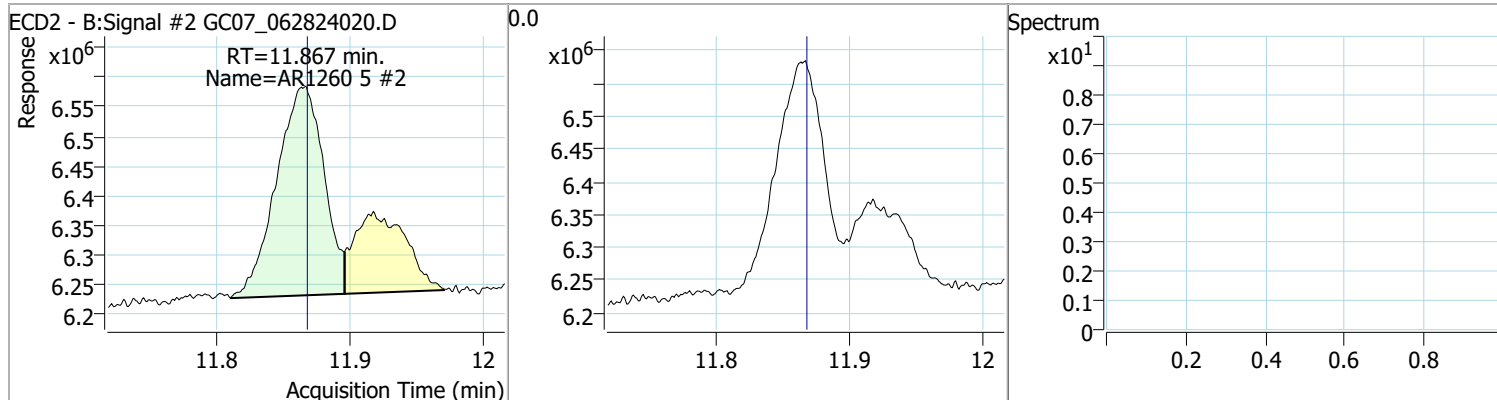


Quantitation Results Report (Not Reviewed)

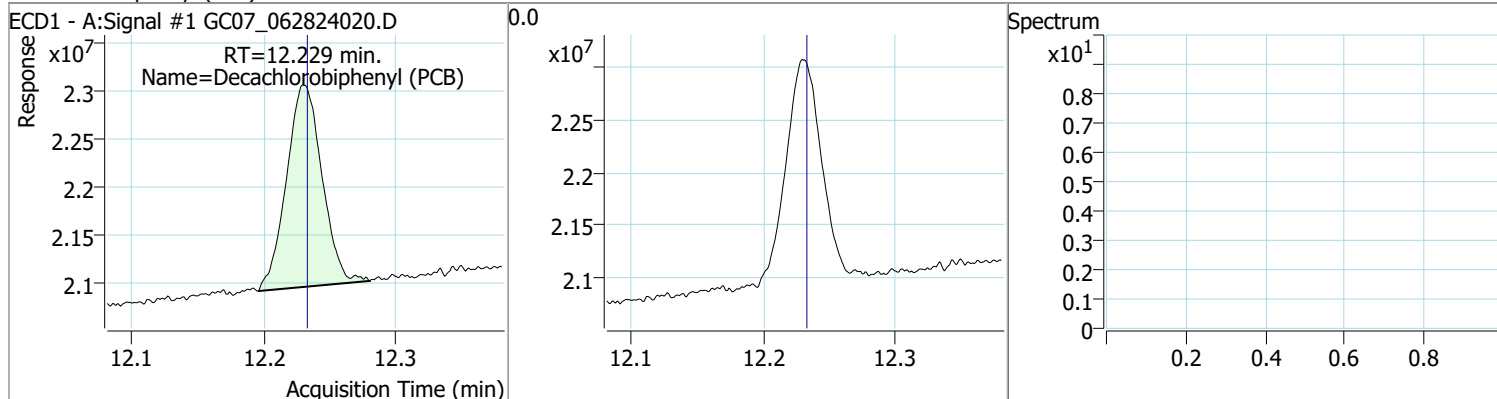
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	17.8832	11.17	0.00	448239				



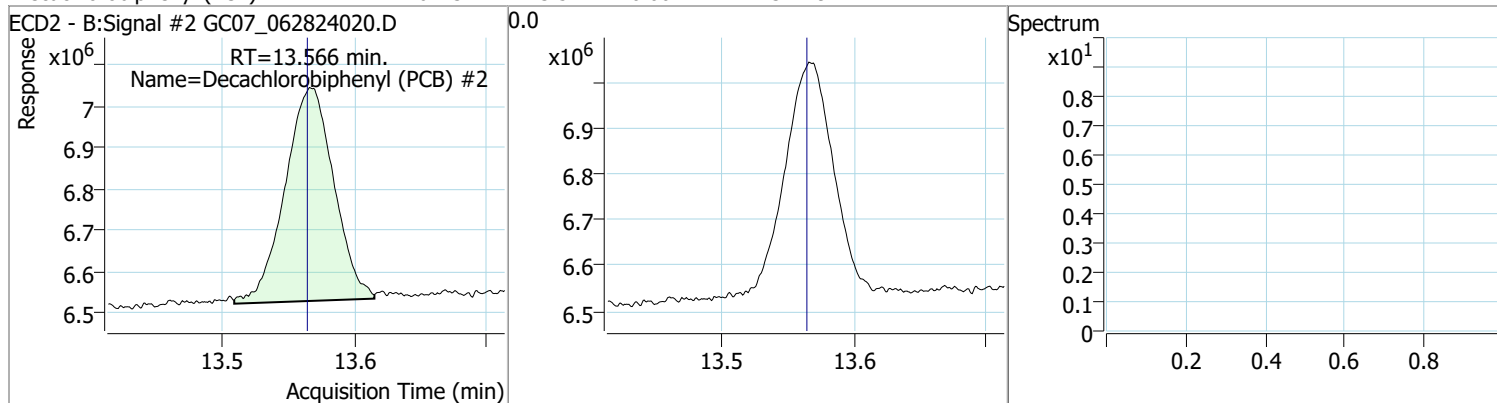
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.6852	11.87	0.00	881344				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.1878	12.23	0.00	3958101				



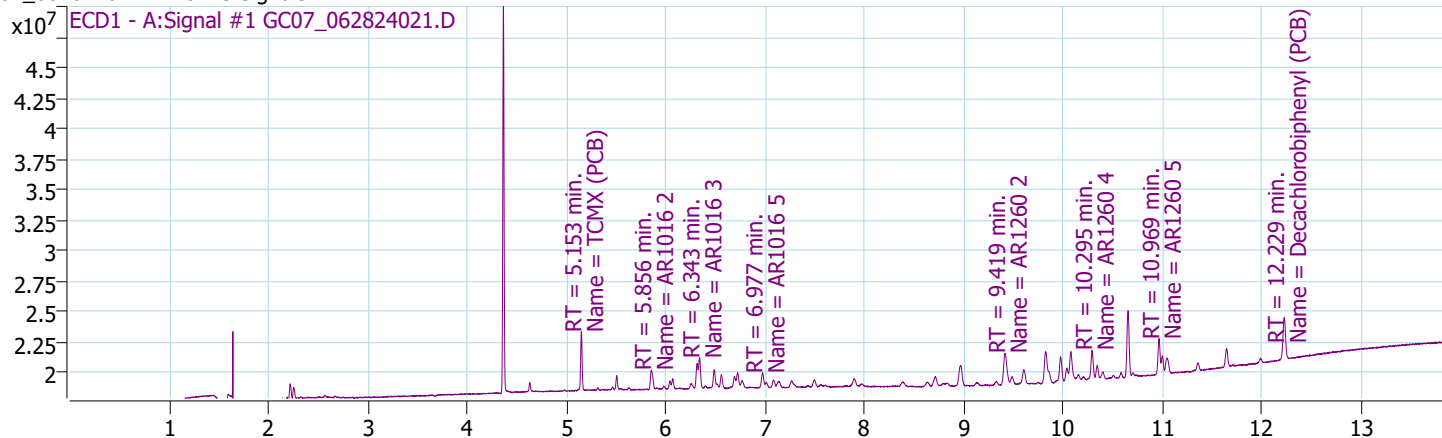
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.6713	13.57	0.00	1322292				



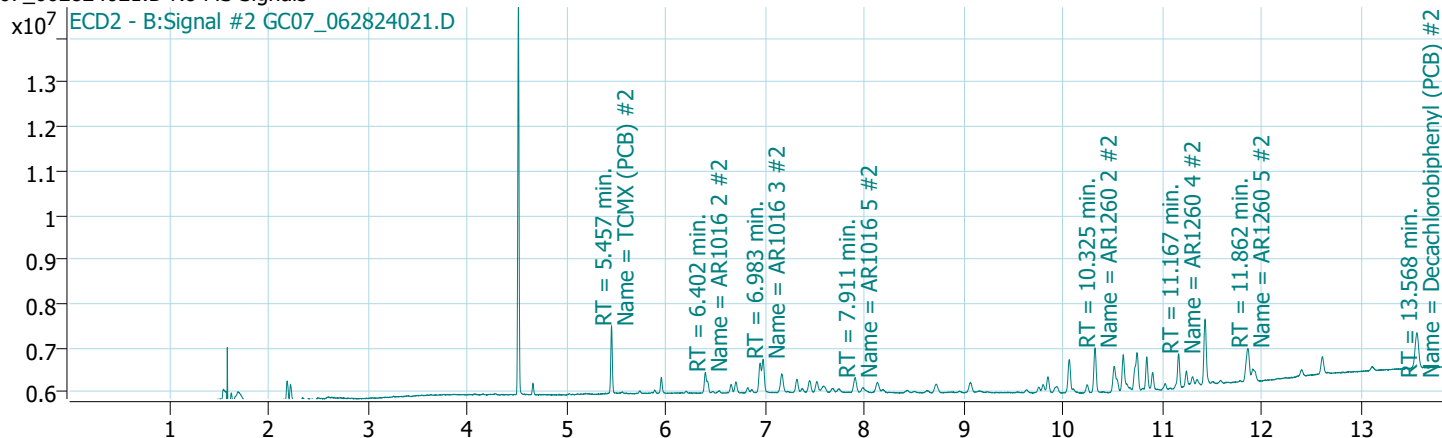
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:21:15 PM
Sample Name	ICAL, S20884	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824021.D No MS Signals



GC07_062824021.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28707643.0 33	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.519	0.0	8040733.06 1	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	5199884.49 9	3.8667	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.33%	*	
S TCMX (PCB) #2	5.457	0.0	1720703.08 3	4.4616	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.31%	*	
S Decachlorobiphenyl (PCB)	12.229	0.0	6469062.07 1	4.0872	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.44%	*	
S Decachlorobiphenyl (PCB) #2	13.568	0.0	2052070.95 8	4.6716	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.36%	*	

Target Compounds

QValue

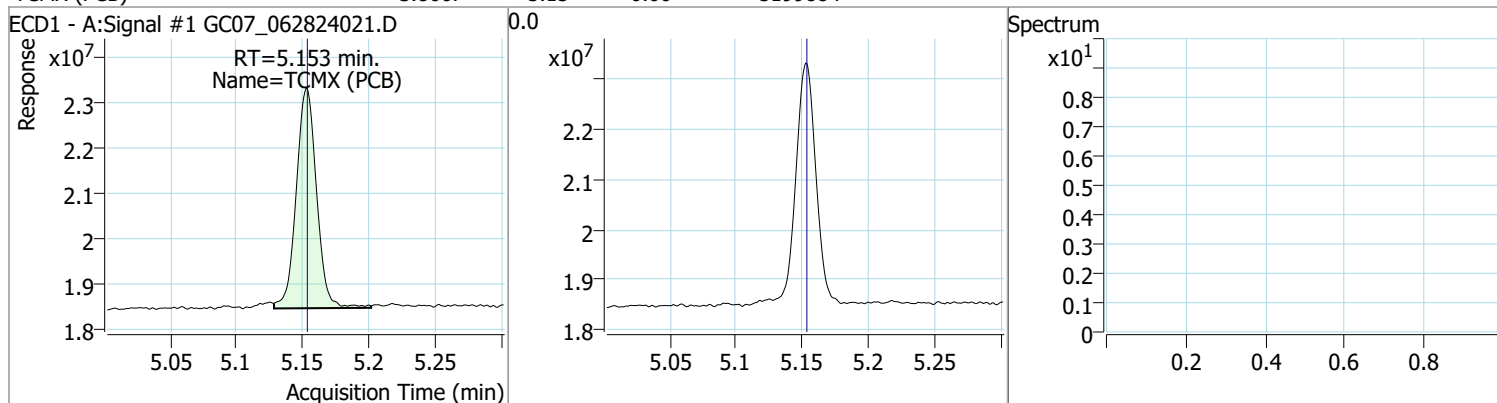
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	1316179.52 0	52.4516	ng/ml	100
T AR1016 2	5.856	0.0	2702344.34 4	51.8396	ng/ml	100
T AR1016 1 #2	5.958	0.0	454408.366	53.5238	ng/ml	100
T AR1016 3	6.343	0.0	3592955.58 6	54.9376	ng/ml	100
T AR1016 2 #2	6.402	0.0	991079.735	56.5021	ng/ml	100
T AR1016 4	6.490	0.0	2136718.05 6	48.9852	ng/ml m	100
T AR1016 5	6.977	0.0	1997824.75 6	52.1055	ng/ml	100
T AR1016 3 #2	6.983	0.0	1288206.68 1	58.8850	ng/ml	100
T AR1016 4 #2	7.170	0.0	896004.883	55.4049	ng/ml	100
T AR1016 5 #2	7.911	0.0	682282.940	52.1638	ng/ml	100
T AR1260 1	8.973	0.0	3801549.94 4	49.4359	ng/ml	100
T AR1260 2	9.419	0.0	6104749.71 1	51.9790	ng/ml	100
T AR1260 3	9.828	0.0	6530061.77 7	51.6757	ng/ml	100
T AR1260 1 #2	10.065	0.0	1288208.27 1	55.3770	ng/ml	100
T AR1260 4	10.295	0.0	3805769.20 2	52.0934	ng/ml	100
T AR1260 2 #2	10.325	0.0	1723687.25 5	58.9821	ng/ml	100
T AR1260 3 #2	10.747	0.0	1959961.16 2	55.7175	ng/ml	100
T AR1260 5	10.969	0.0	4469357.86 6	51.0885	ng/ml	100
T AR1260 4 #2	11.167	0.0	1226114.81 1	55.1232	ng/ml	100
T AR1260 5 #2	11.862	0.0	1820415.00 5	55.1278	ng/ml	100

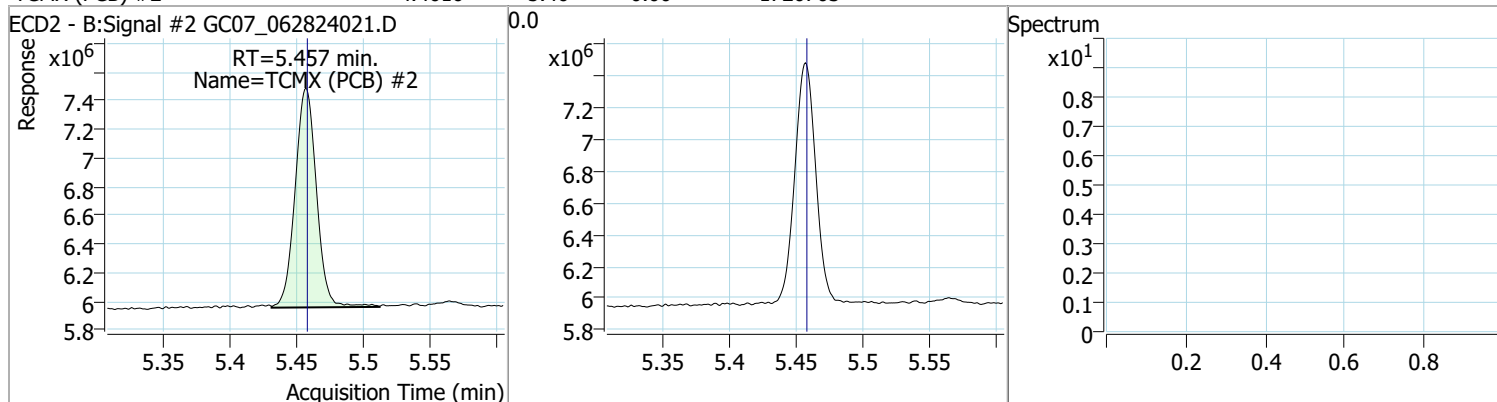
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

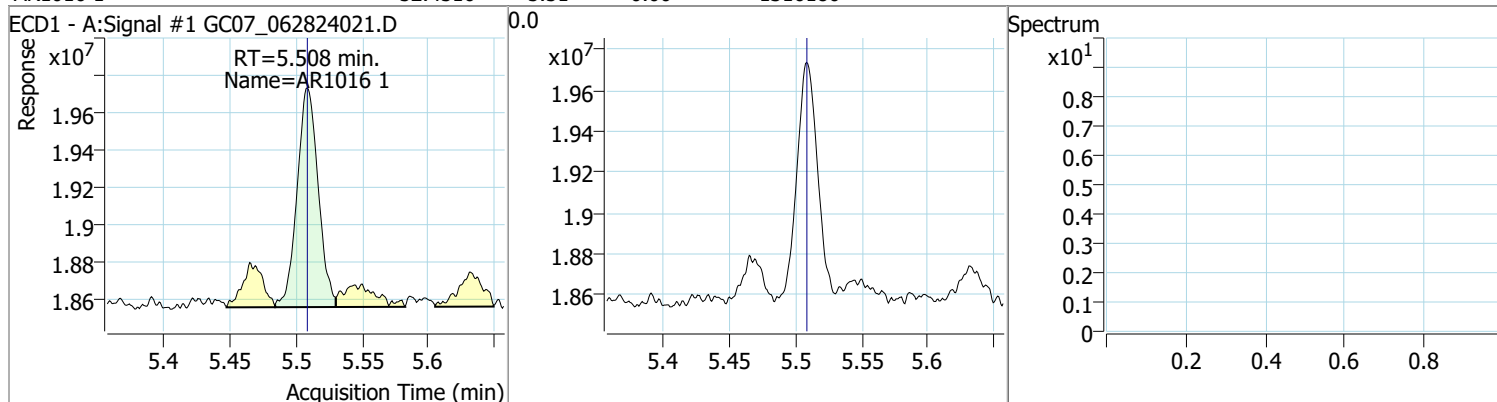
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.8667	5.15	0.00	5199884				



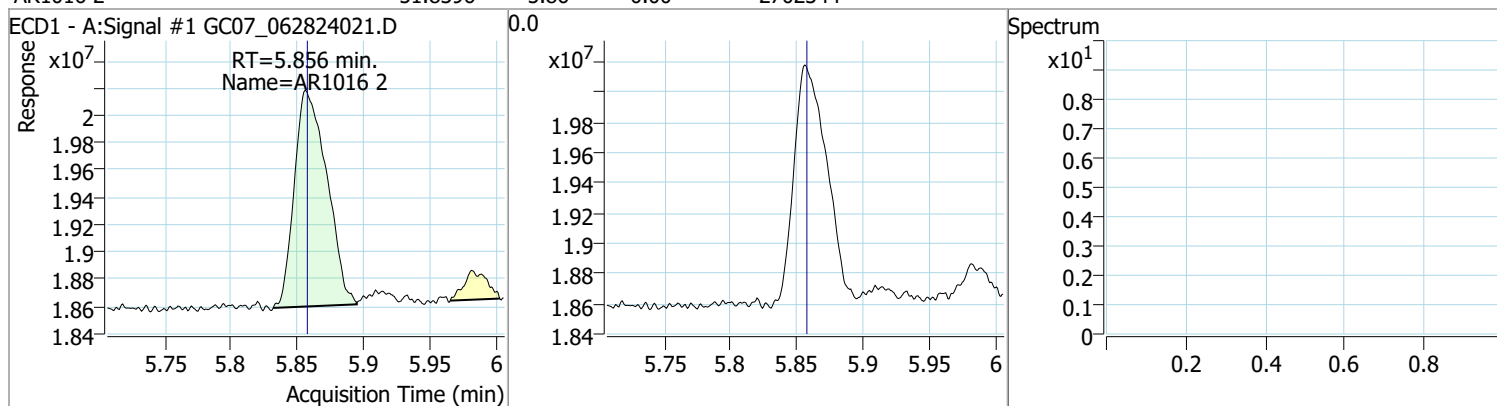
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.4616	5.46	0.00	1720703				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.4516	5.51	0.00	1316180				

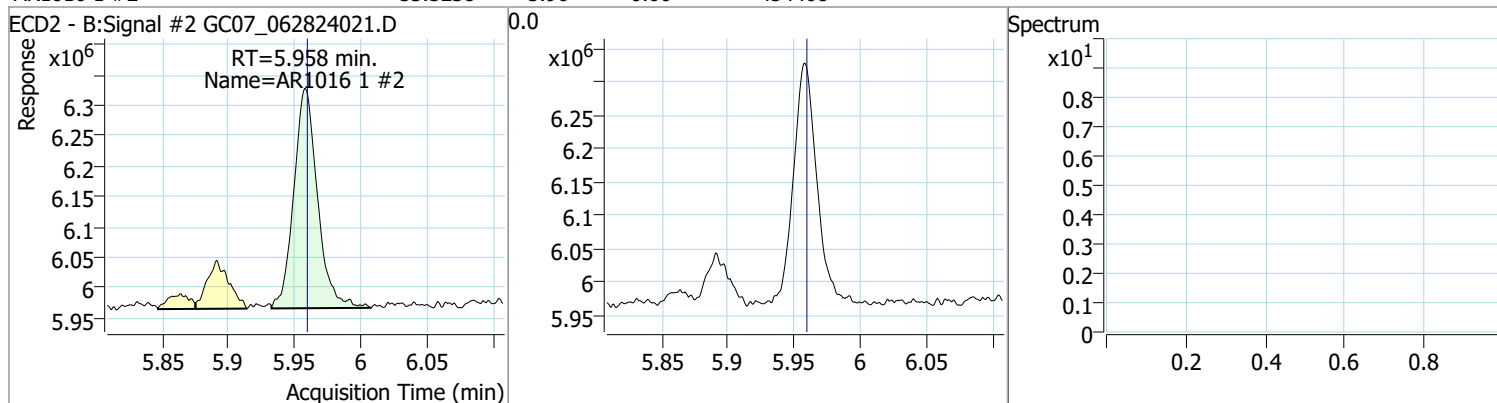


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	51.8396	5.86	0.00	2702344				

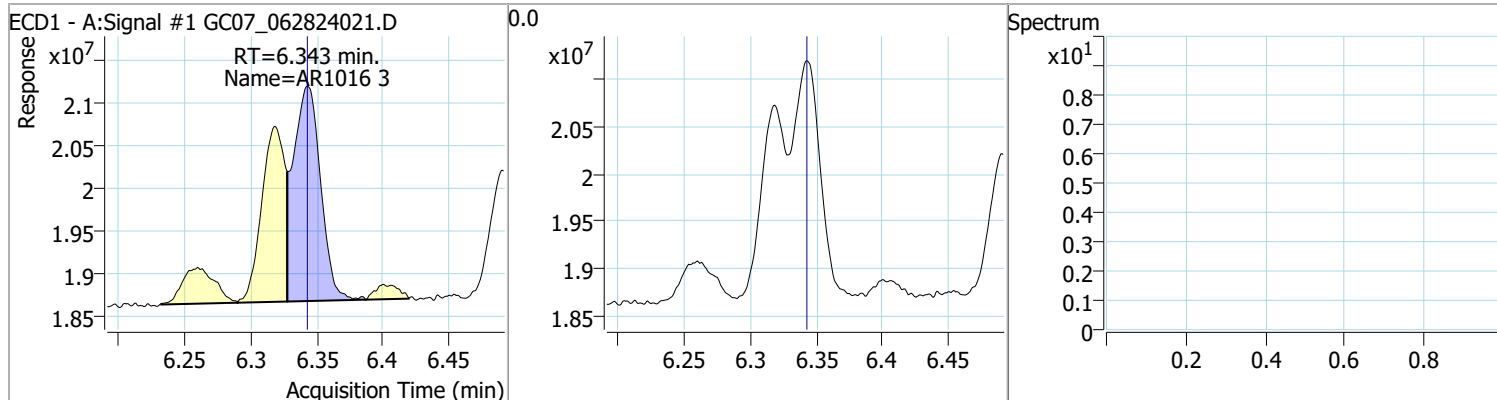


Quantitation Results Report (Not Reviewed)

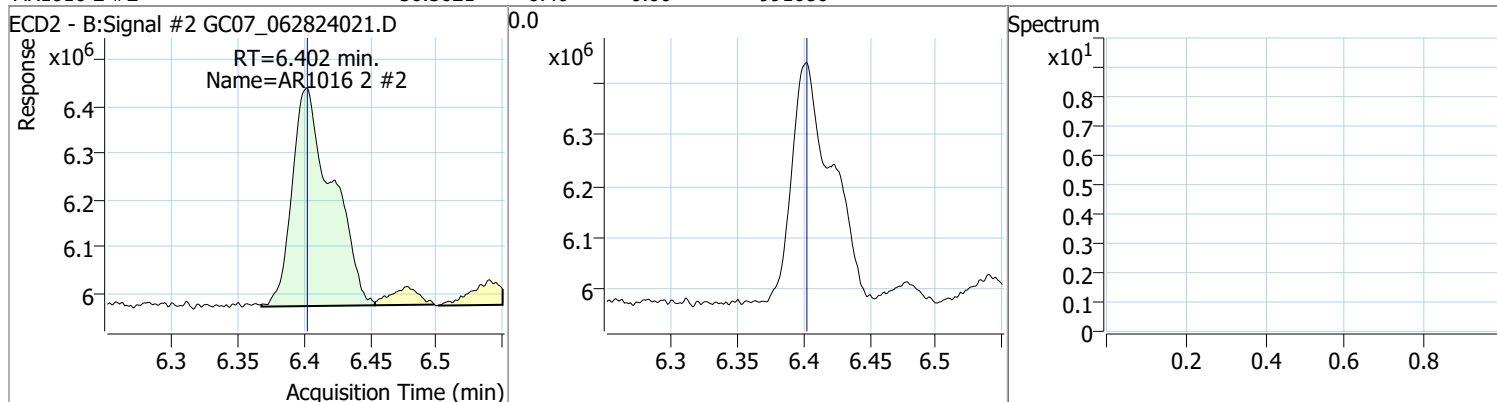
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.5238	5.96	0.00	454408				



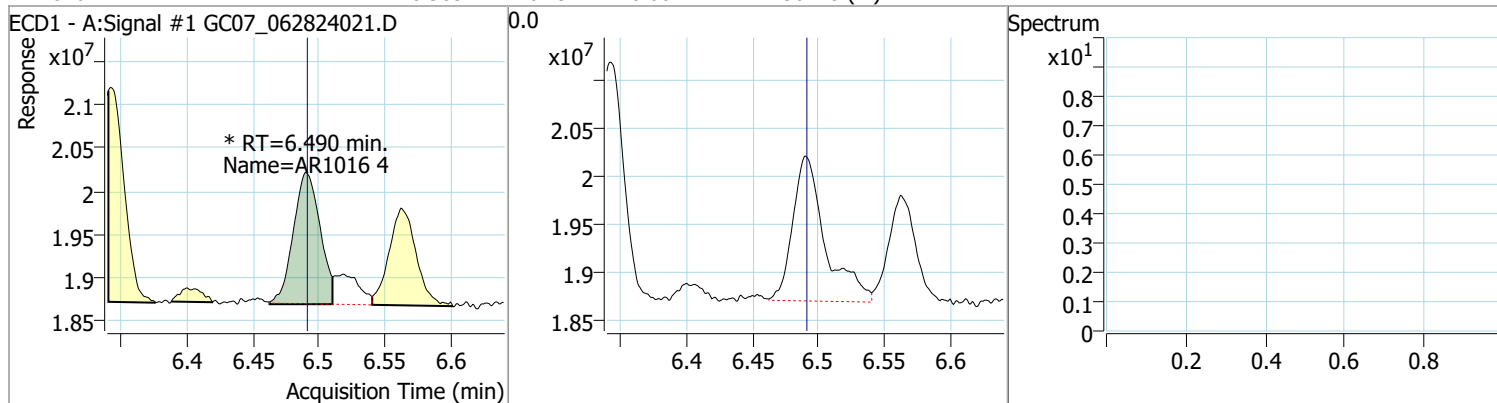
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.9376	6.34	0.00	3592956				



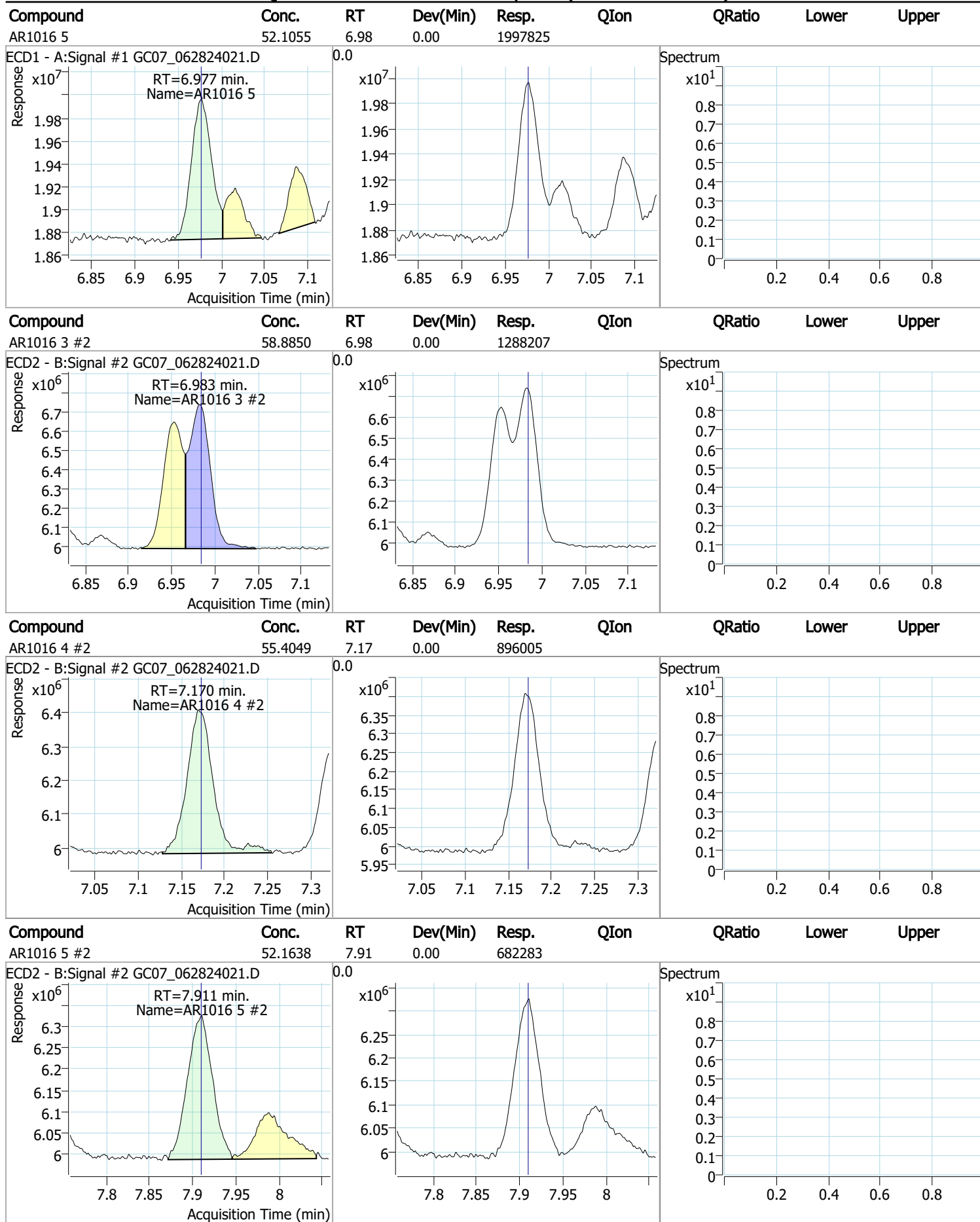
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.5021	6.40	0.00	991080				



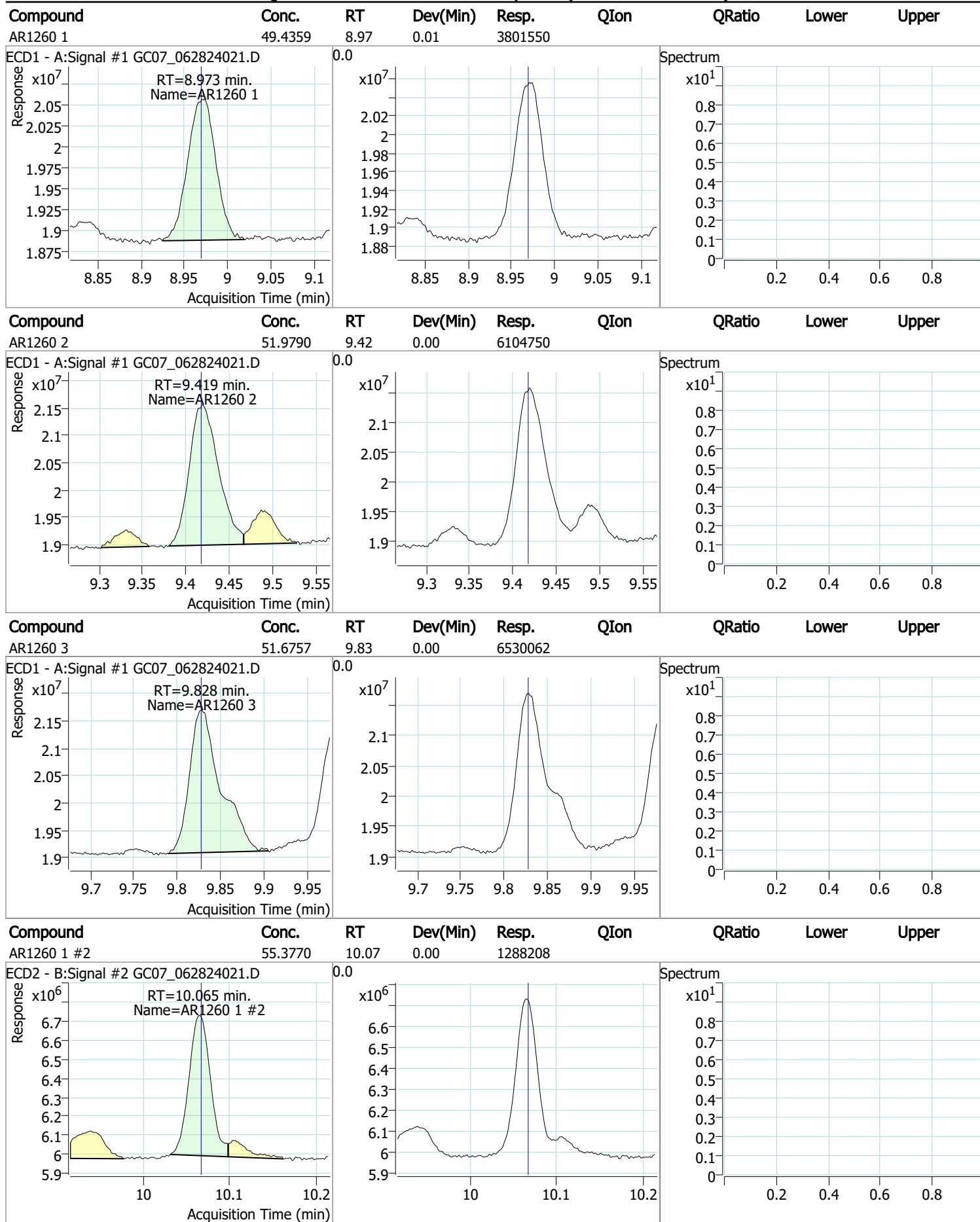
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	48.9852	6.49	0.00	2136718 (m)				



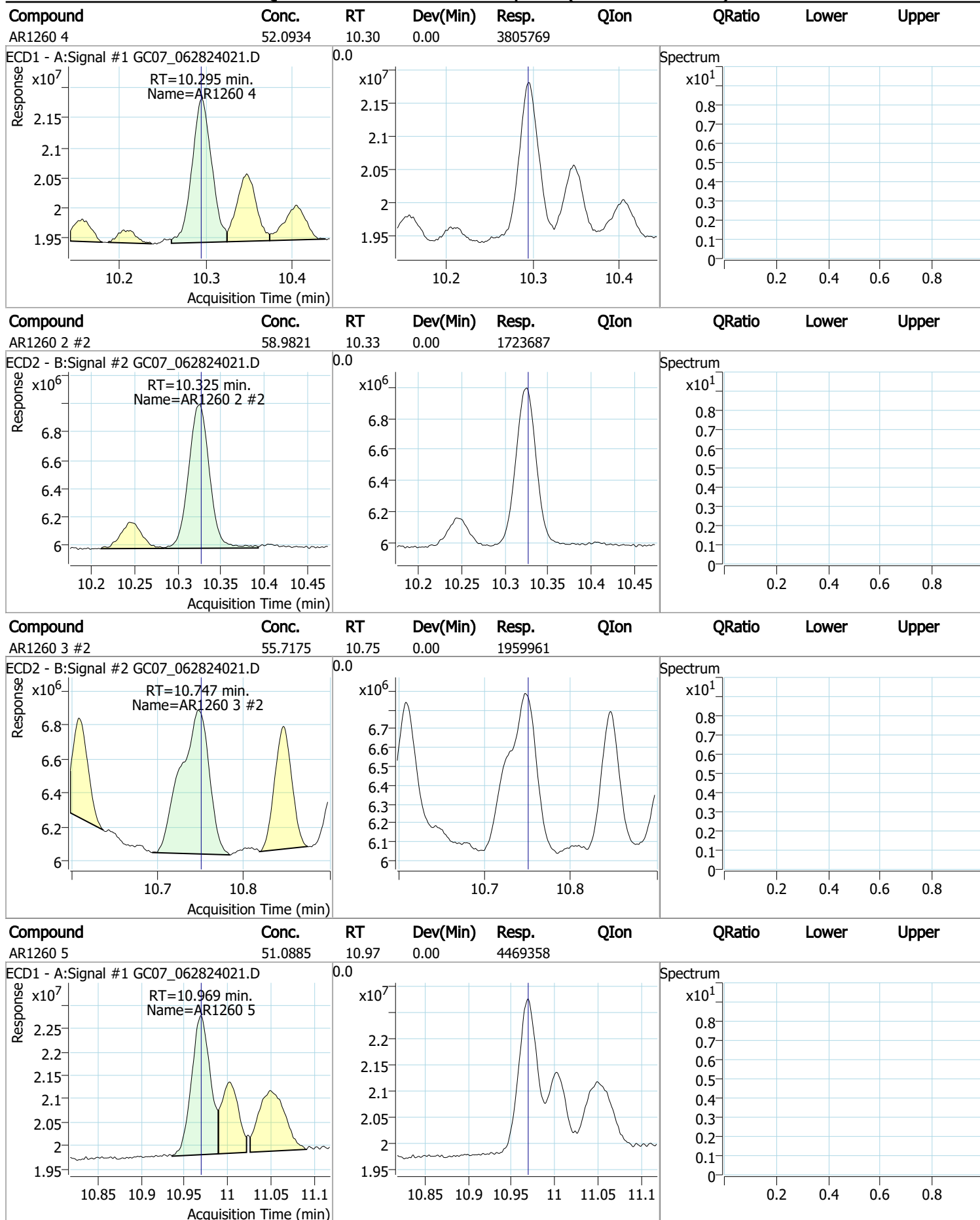
Quantitation Results Report (Not Reviewed)



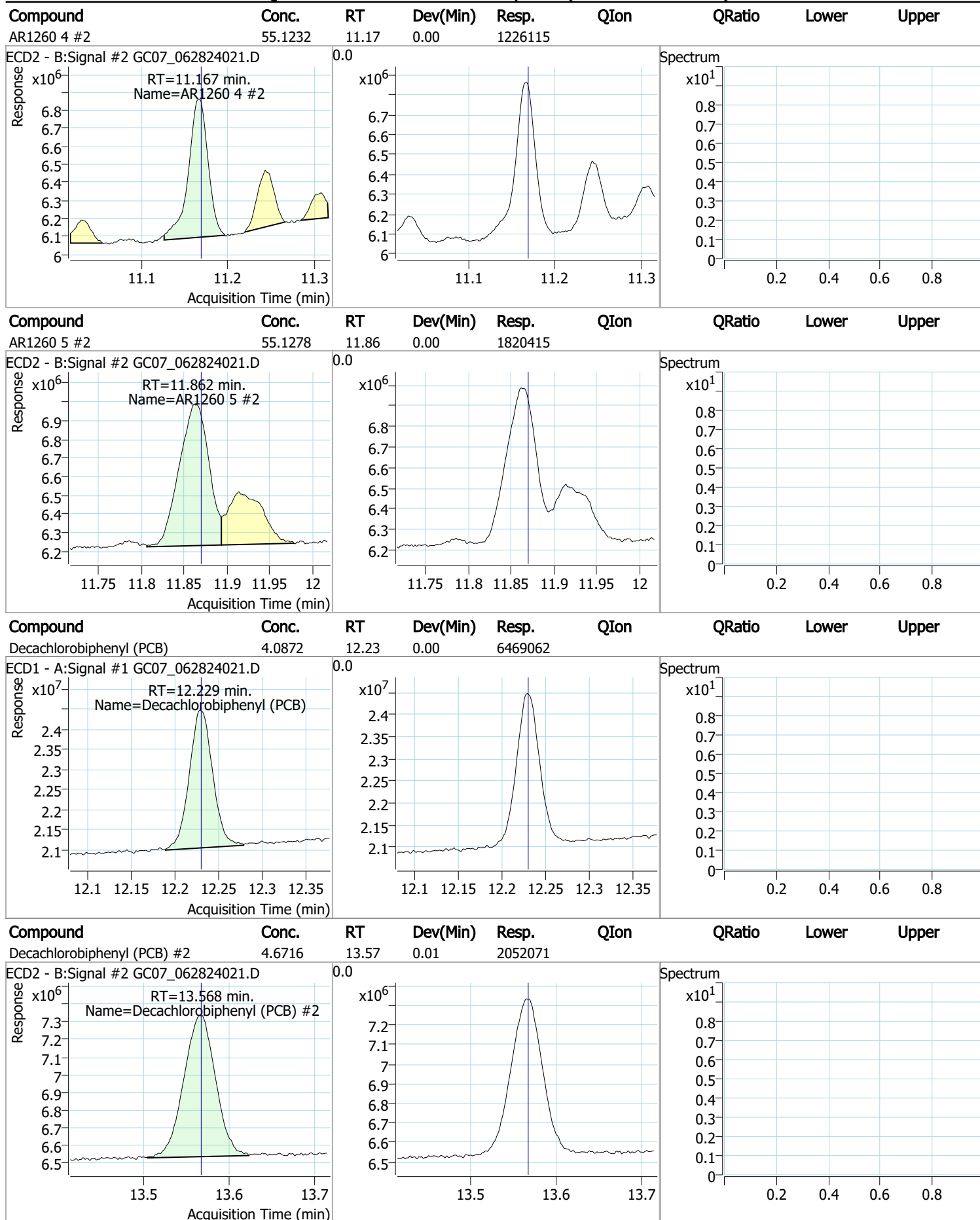
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



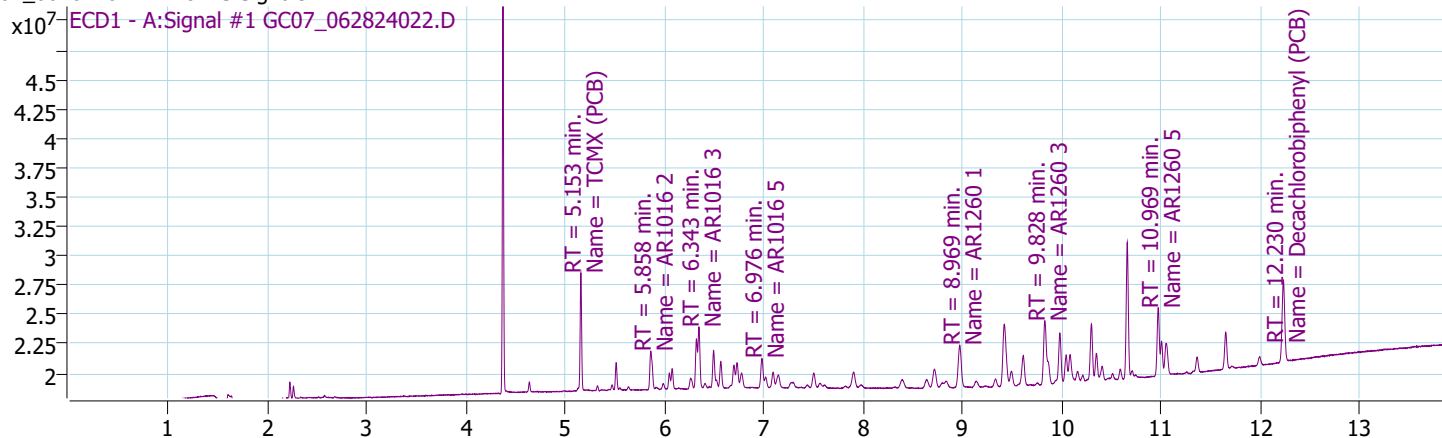
Quantitation Results Report (Not Reviewed)



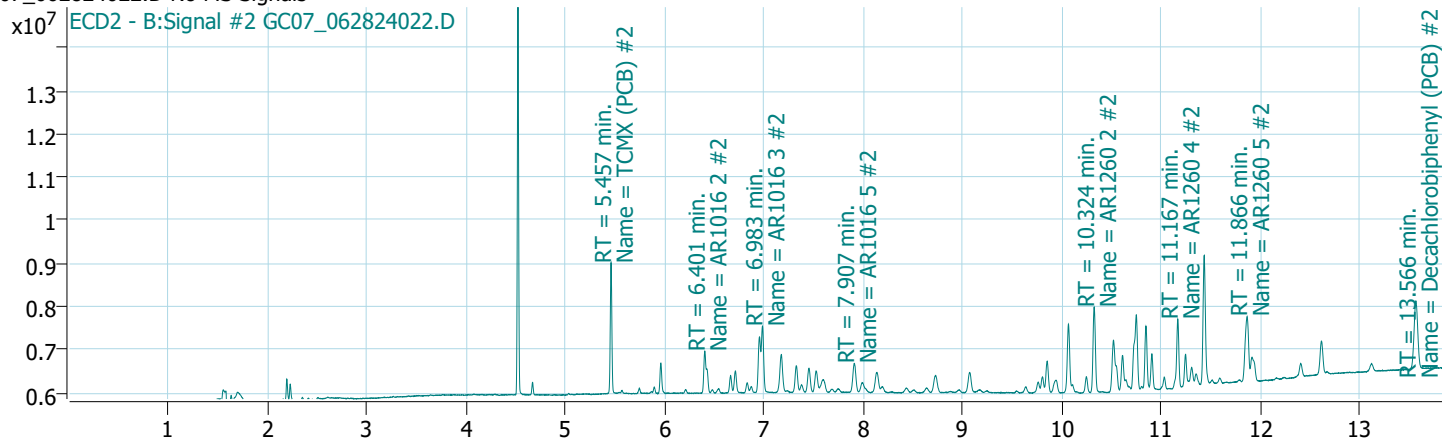
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:38:40 PM
Sample Name	ICAL, S20885	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824022.D No MS Signals



GC07_062824022.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	29826184.198	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8273172.510	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	10715126.470	7.6691	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.35%	*	
S TCMX (PCB) #2	5.457	0.0	3412297.177	8.5990	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.00%	*	
S Decachlorobiphenyl (PCB)	12.230	0.0	13361376.402	8.1252	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.63%	*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	4177022.833	9.2419	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 46.21%	*	

Target Compounds

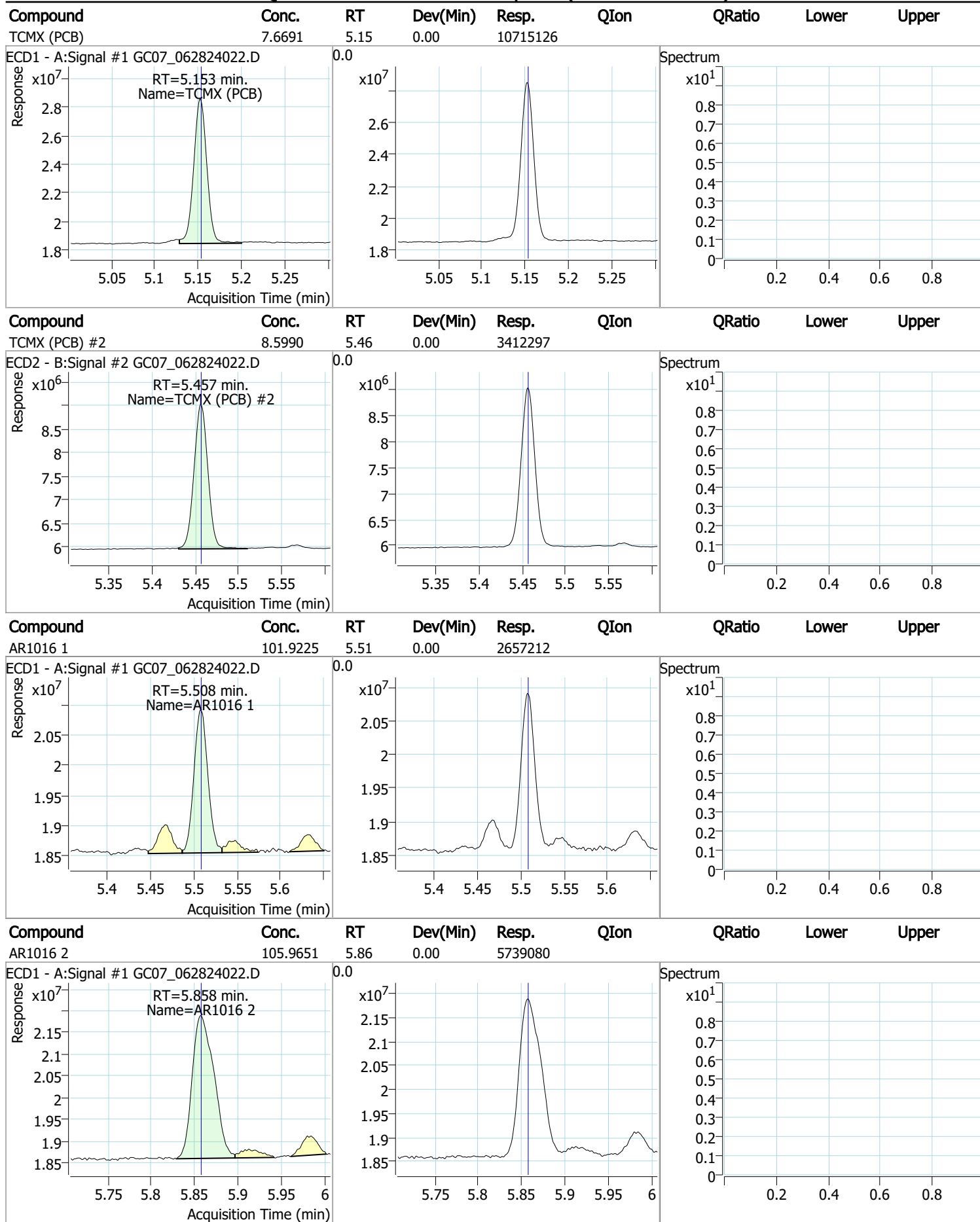
QValue

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	2657212.37 5	101.9225	ng/ml	100
T AR1016 2	5.858	0.0	5739080.00 3	105.9651	ng/ml	100
T AR1016 1 #2	5.958	0.0	929578.135	106.4167	ng/ml	100
T AR1016 3	6.343	0.0	7358025.99 2	108.2876	ng/ml	100
T AR1016 2 #2	6.401	0.0	2044379.54 9	113.2769	ng/ml	100
T AR1016 4	6.490	0.0	4469166.05 7	98.6152	ng/ml	100
T AR1016 5	6.976	0.0	4190423.64 2	105.1922	ng/ml	100
T AR1016 3 #2	6.983	0.0	2555167.74 6	113.5174	ng/ml	100
T AR1016 4 #2	7.173	0.0	1786552.41 4	107.3685	ng/ml	100
T AR1016 5 #2	7.907	0.0	1431090.87 2	106.3398	ng/ml	100
T AR1260 1	8.969	0.0	8092605.98 6	101.2907	ng/ml	100
T AR1260 2	9.419	0.0	12517533.3 48	102.5838	ng/ml	100
T AR1260 3	9.828	0.0	13459933.2 00	102.5207	ng/ml m	100
T AR1260 1 #2	10.065	0.0	2794544.52 9	116.7556	ng/ml	100
T AR1260 4	10.297	0.0	7856018.38 0	103.5005	ng/ml	100
T AR1260 2 #2	10.324	0.0	3418547.71 2	113.6912	ng/ml	100
T AR1260 3 #2	10.749	0.0	4013258.36 0	110.8829	ng/ml	100
T AR1260 5	10.969	0.0	9133510.15 3	100.4884	ng/ml	100
T AR1260 4 #2	11.167	0.0	2572032.14 7	112.3837	ng/ml	100
T AR1260 5 #2	11.866	0.0	3668290.26 1	107.9662	ng/ml	100

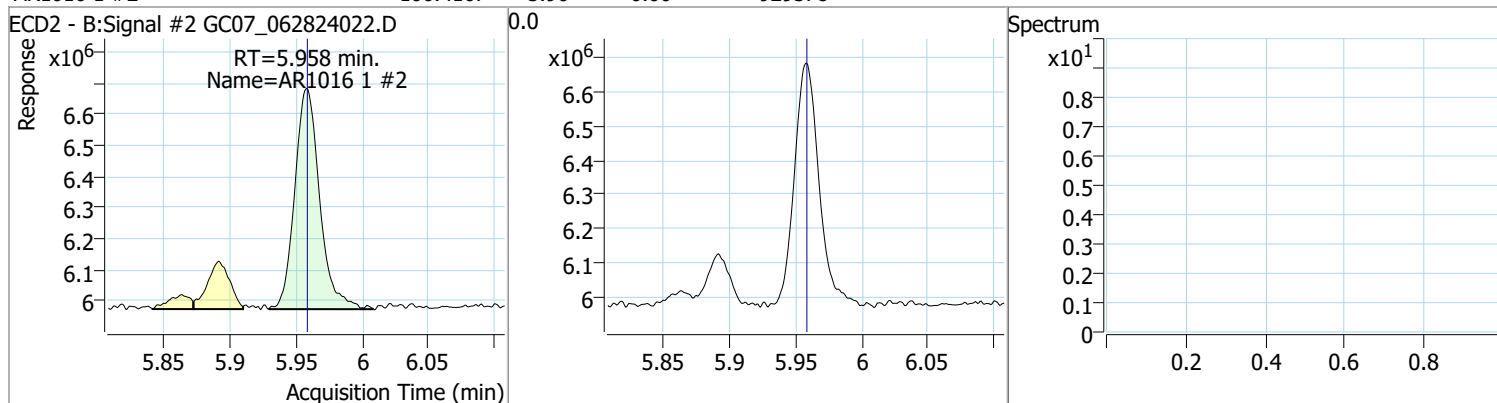
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

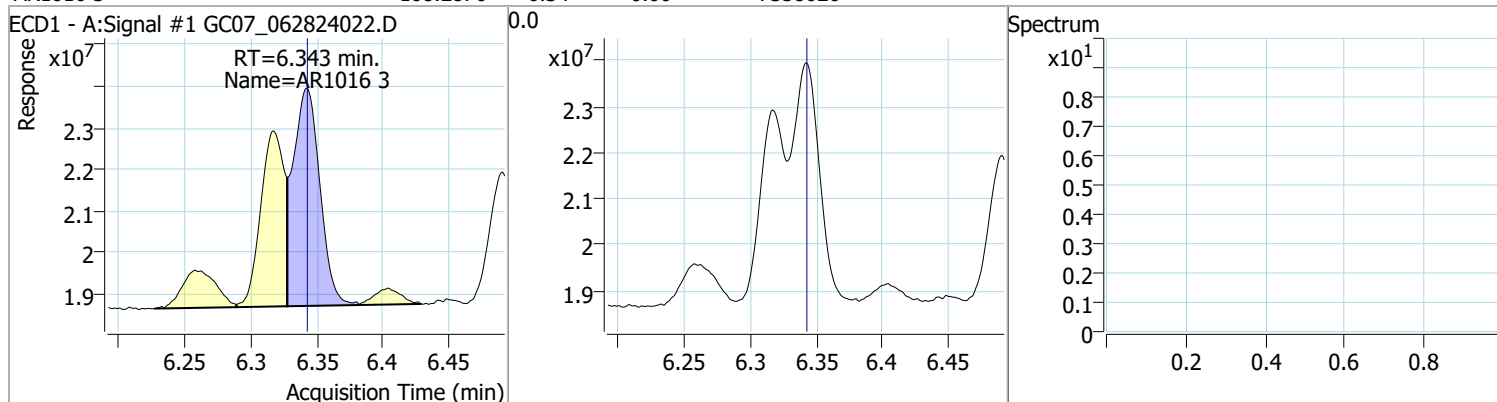


Quantitation Results Report (Not Reviewed)

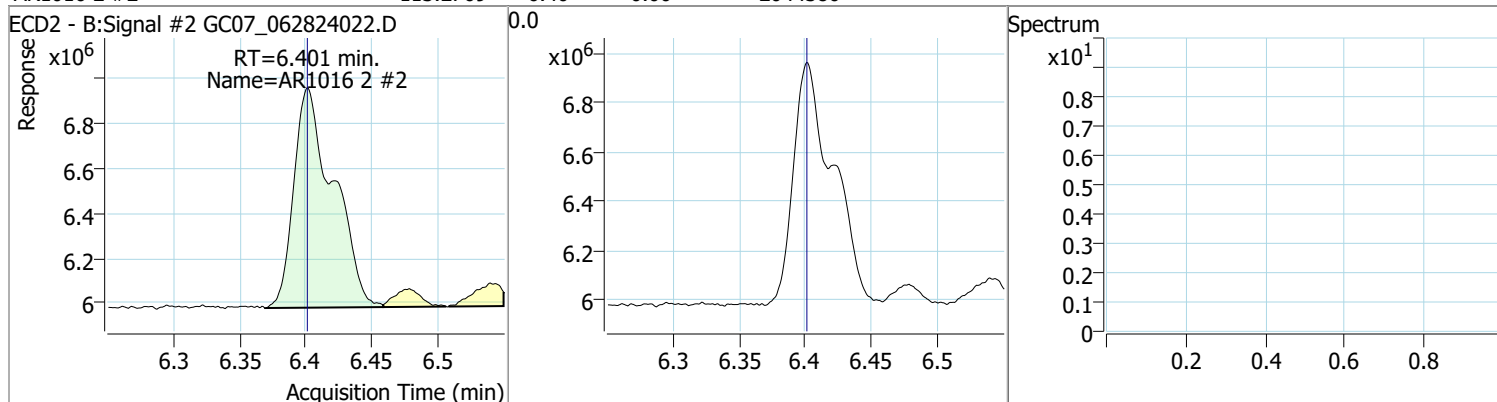
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	106.4167	5.96	0.00	929578				



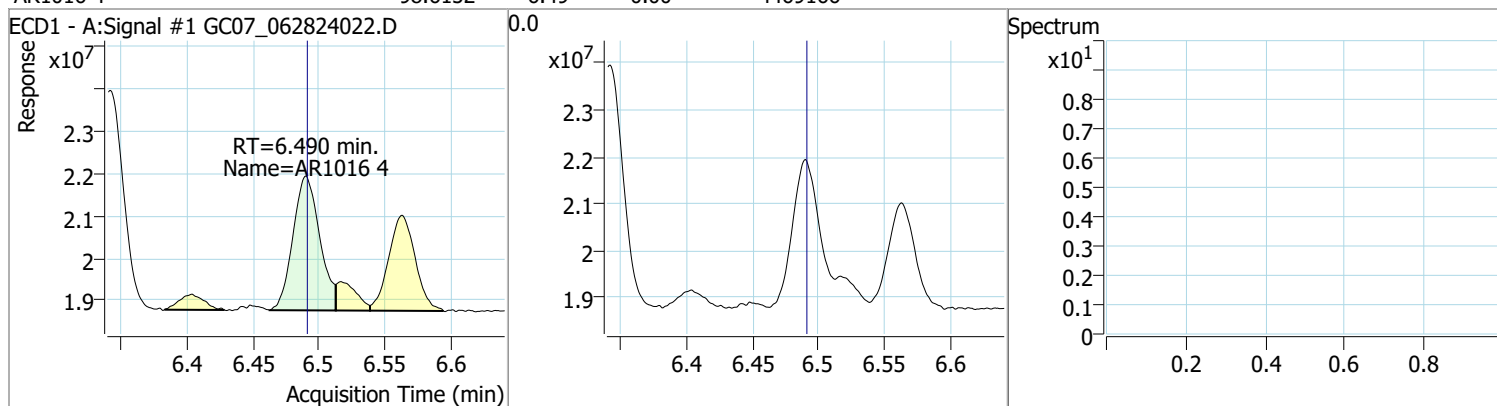
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.2876	6.34	0.00	7358026				



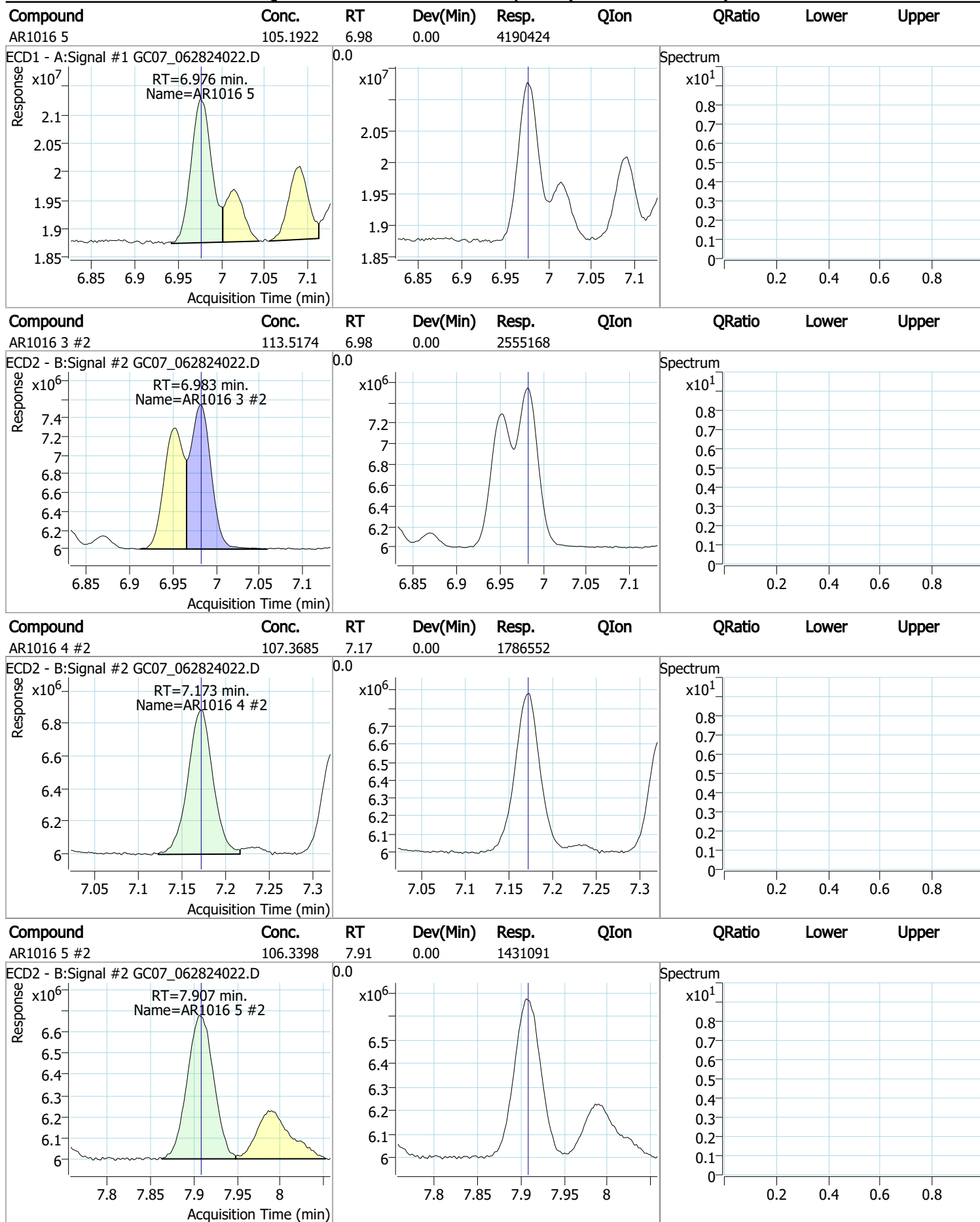
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	113.2769	6.40	0.00	2044380				



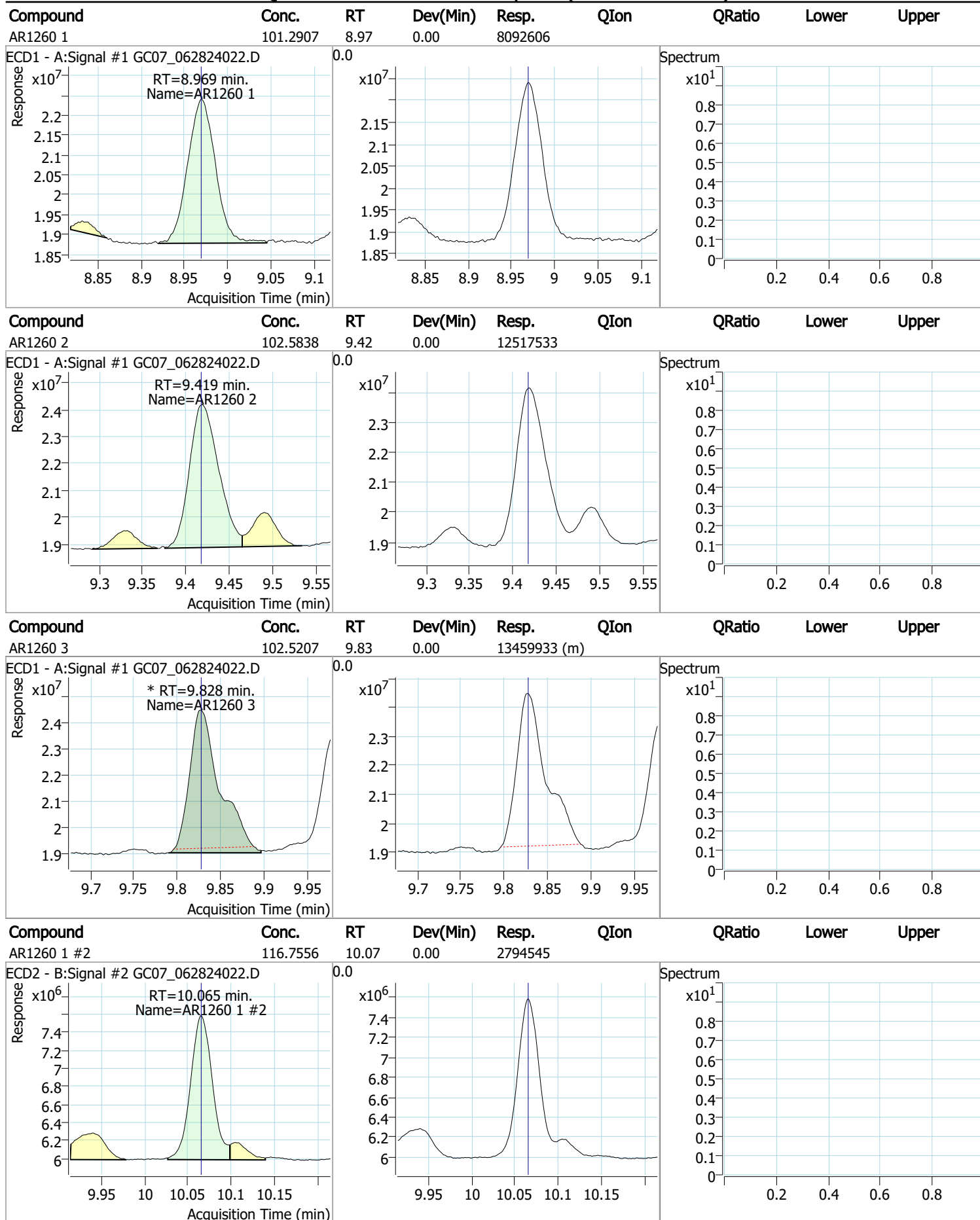
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	98.6152	6.49	0.00	4469166				



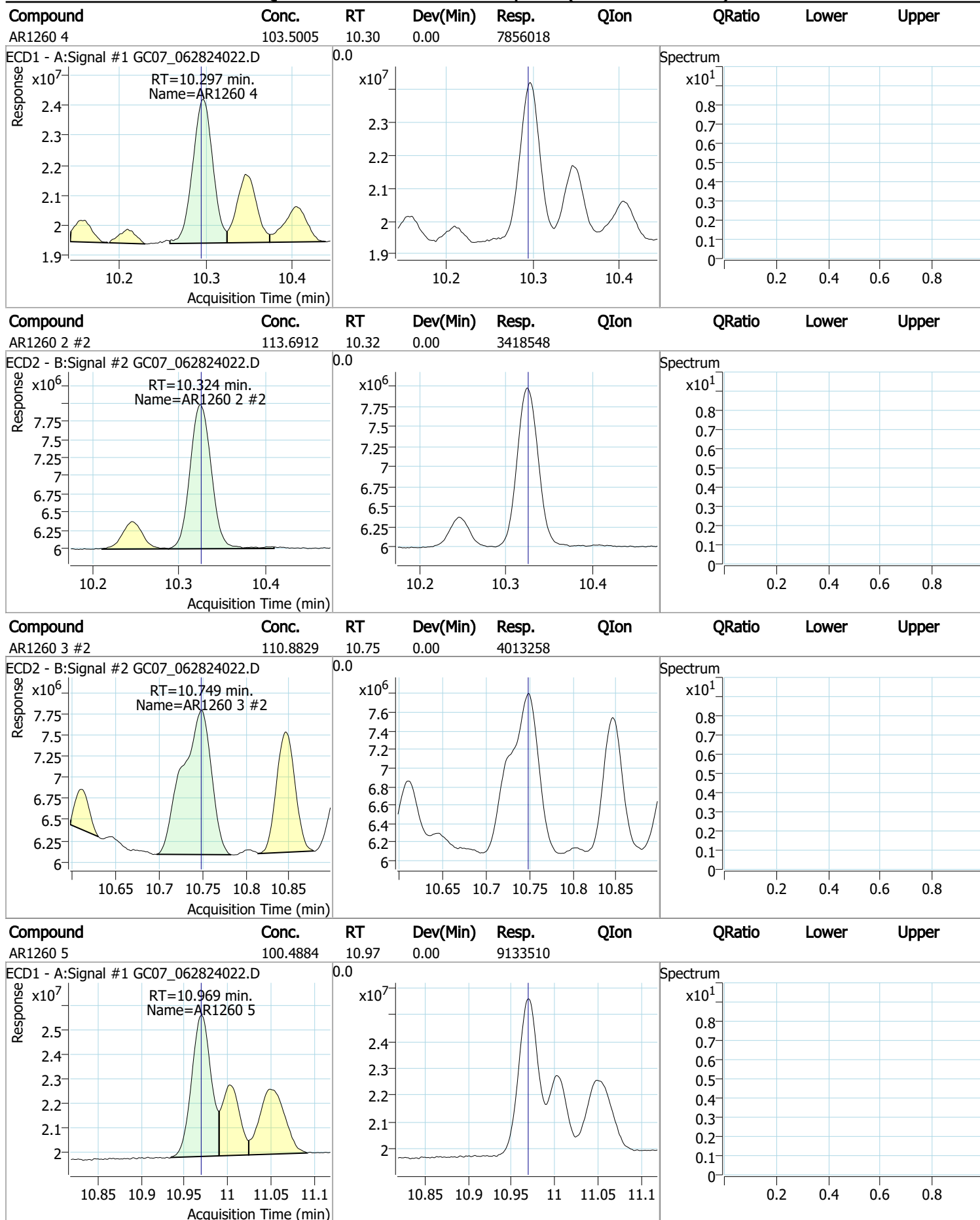
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

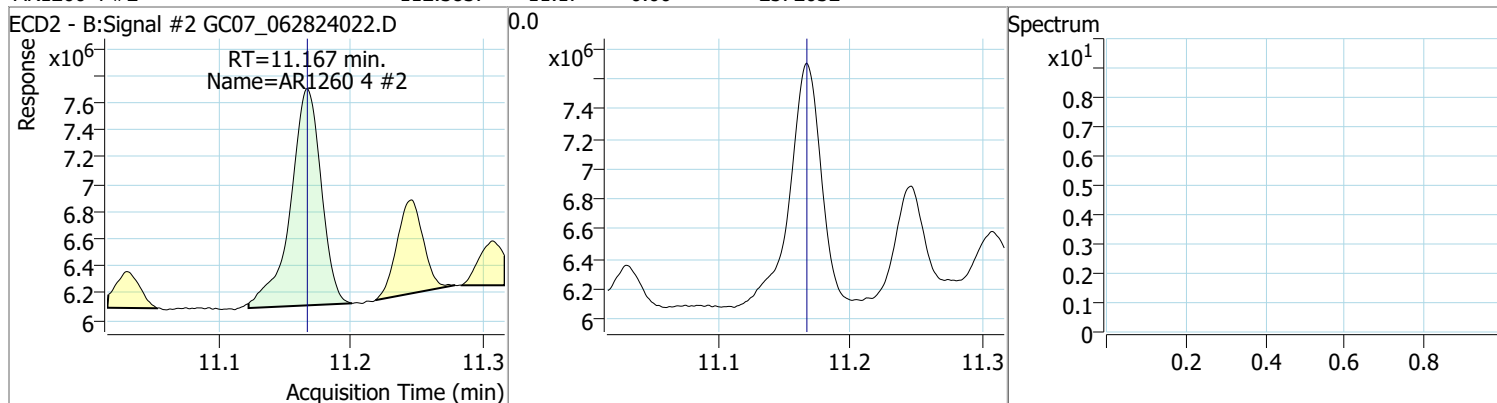


Quantitation Results Report (Not Reviewed)

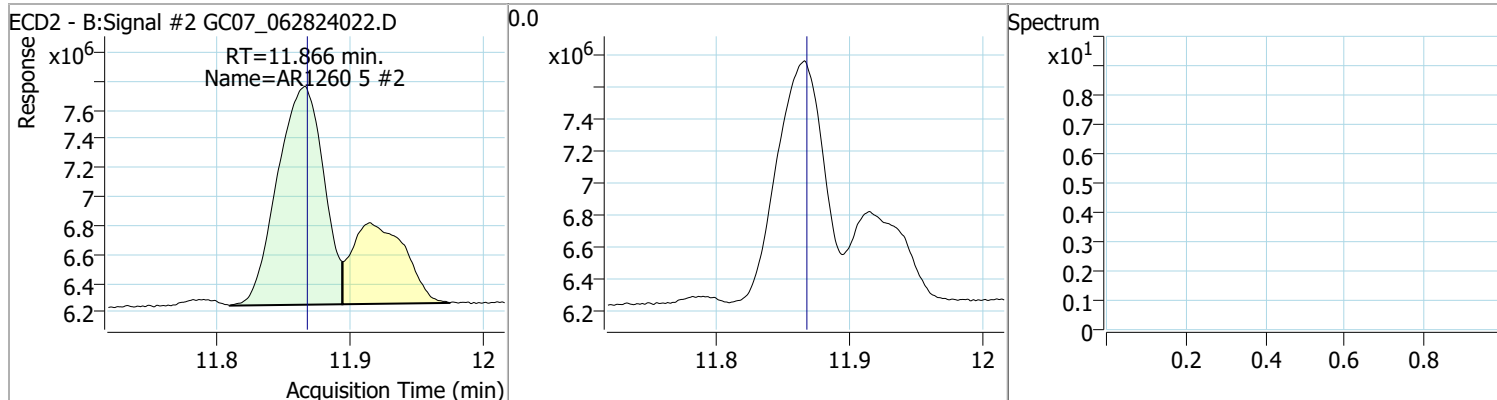


Quantitation Results Report (Not Reviewed)

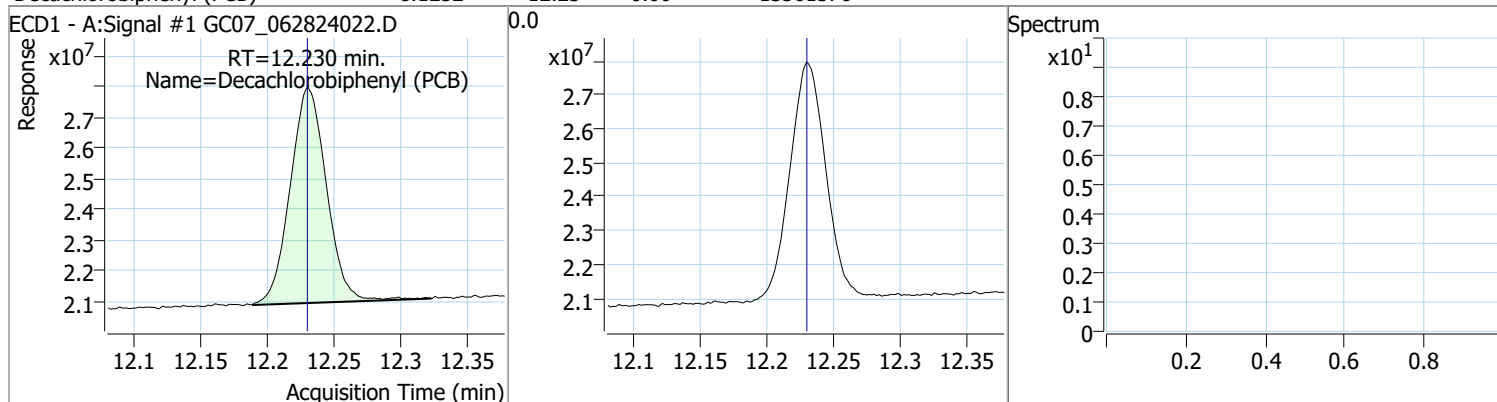
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	112.3837	11.17	0.00	2572032				



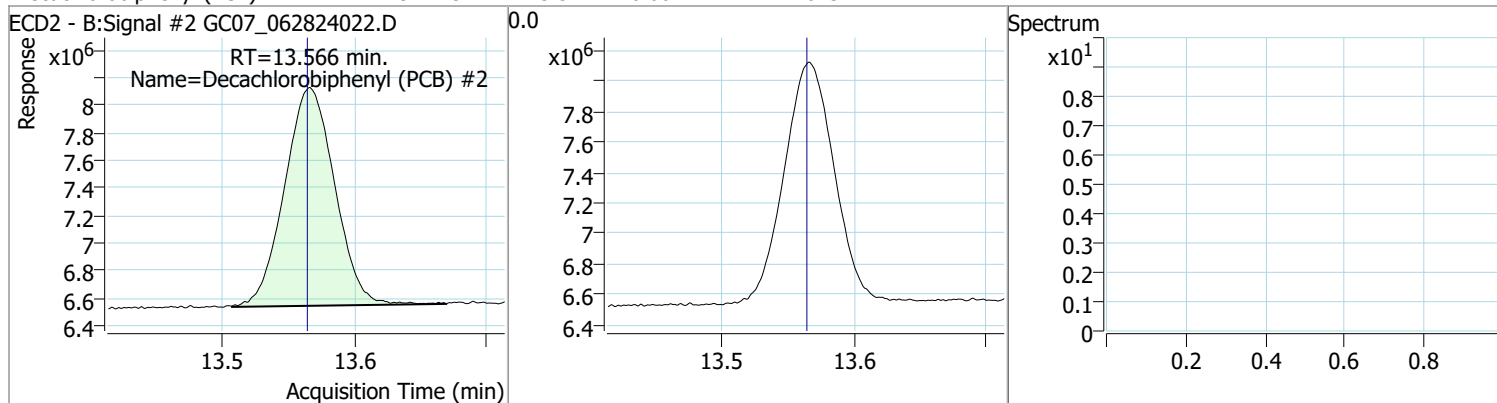
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	107.9662	11.87	0.00	3668290				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.1252	12.23	0.00	13361376				



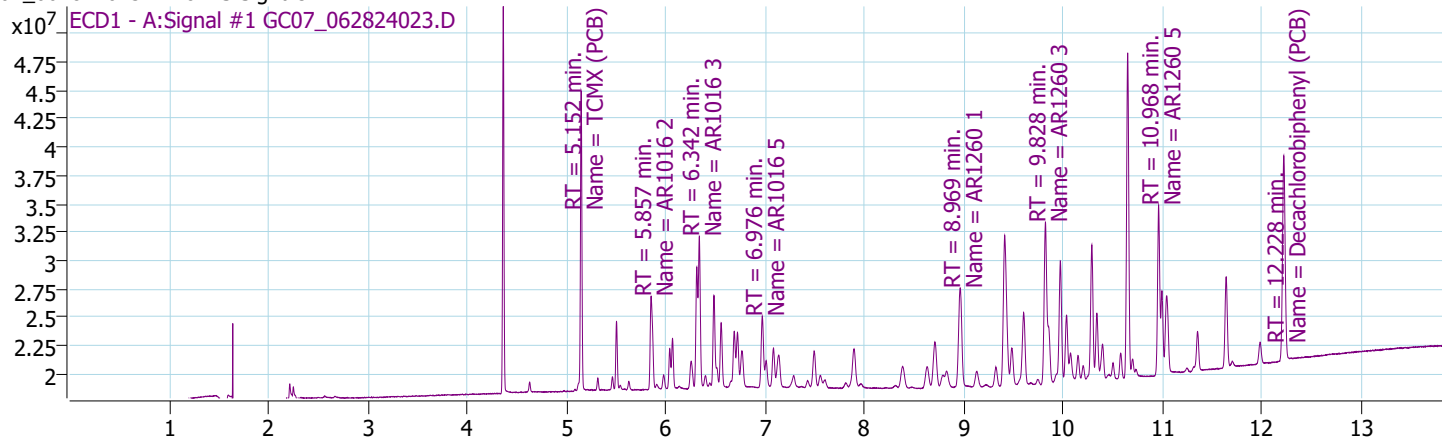
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.2419	13.57	0.00	4177023				



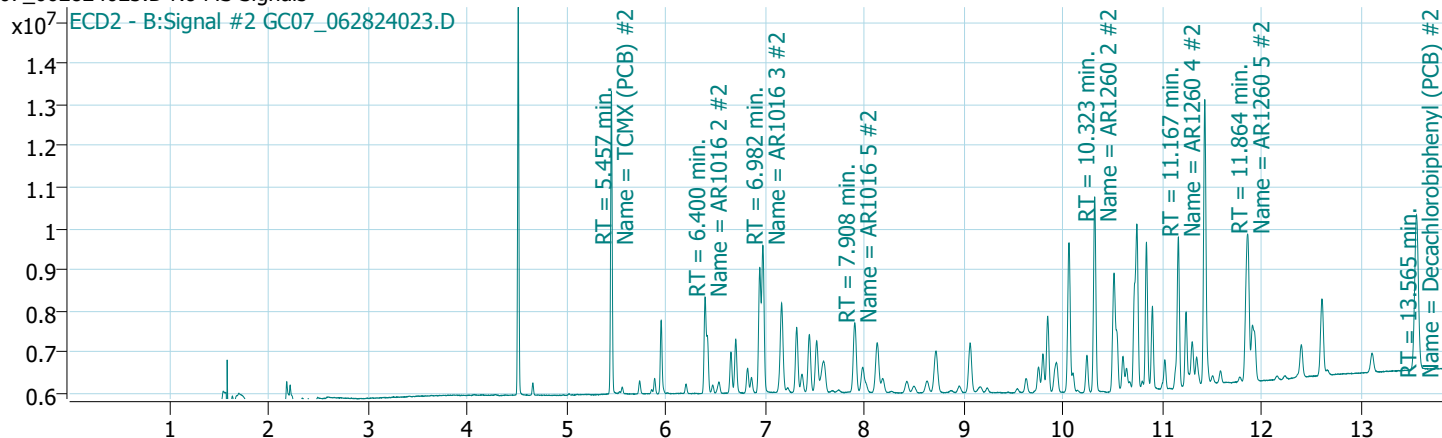
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 1:56:00 PM
Sample Name	ICAL, S20886	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824023.D No MS Signals



GC07_062824023.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31516744.9 49	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8706647.68 3	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.152	0.0	27608953.9 25	18.7004	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.50%		
S TCMX (PCB) #2	5.457	0.0	8294986.50 8	19.8628	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 99.31%		
S Decachlorobiphenyl (PCB)	12.228	0.0	33725109.8 00	19.4084	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.04%		
S Decachlorobiphenyl (PCB) #2	13.565	0.0	9967762.79 8	20.9563	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.78%		

Target Compounds

QValue

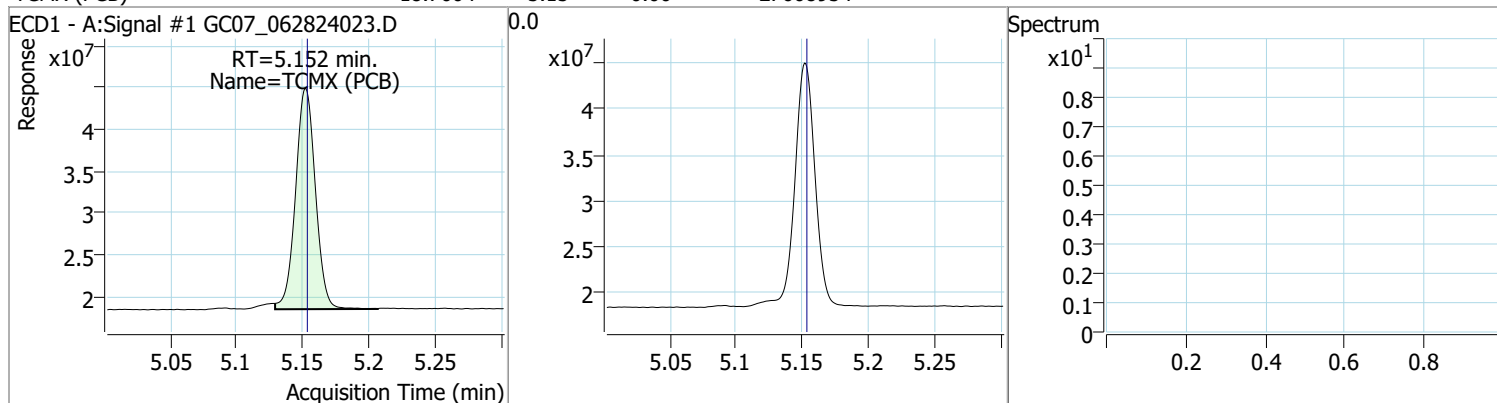
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	6712192.61 0	243.6488	ng/ml	100
T AR1016 2	5.857	0.0	14250498.4 09	249.0043	ng/ml	100
T AR1016 1 #2	5.958	0.0	2323840.60 4	252.7851	ng/ml	100
T AR1016 3	6.342	0.0	17918366.8 50	249.5585	ng/ml	100
T AR1016 2 #2	6.400	0.0	5008145.47 9	263.6804	ng/ml	100
T AR1016 4	6.489	0.0	11491489.6 65	239.9662	ng/ml m	100
T AR1016 5	6.976	0.0	10438984.1 81	247.9935	ng/ml	100
T AR1016 3 #2	6.982	0.0	6112061.26 7	258.0191	ng/ml	100
T AR1016 4 #2	7.171	0.0	4463261.98 2	254.8793	ng/ml	100
T AR1016 5 #2	7.908	0.0	3656086.32 0	258.1464	ng/ml	100
T AR1260 1	8.969	0.0	19845618.5 95	235.0727	ng/ml	100
T AR1260 2	9.418	0.0	30959966.1 63	240.1138	ng/ml	100
T AR1260 3	9.828	0.0	33635868.4 00	242.4531	ng/ml m	100
T AR1260 1 #2	10.065	0.0	6539148.10 5	259.6026	ng/ml	100
T AR1260 4	10.295	0.0	19650501.0 43	245.0021	ng/ml	100
T AR1260 2 #2	10.323	0.0	7907548.73 9	249.8895	ng/ml	100
T AR1260 3 #2	10.748	0.0	9518789.50 8	249.9024	ng/ml	100
T AR1260 5	10.968	0.0	22933282.0 20	238.7815	ng/ml	100
T AR1260 4 #2	11.167	0.0	6190347.73 5	257.0178	ng/ml	100
T AR1260 5 #2	11.864	0.0	8834908.38 5	247.0855	ng/ml	100

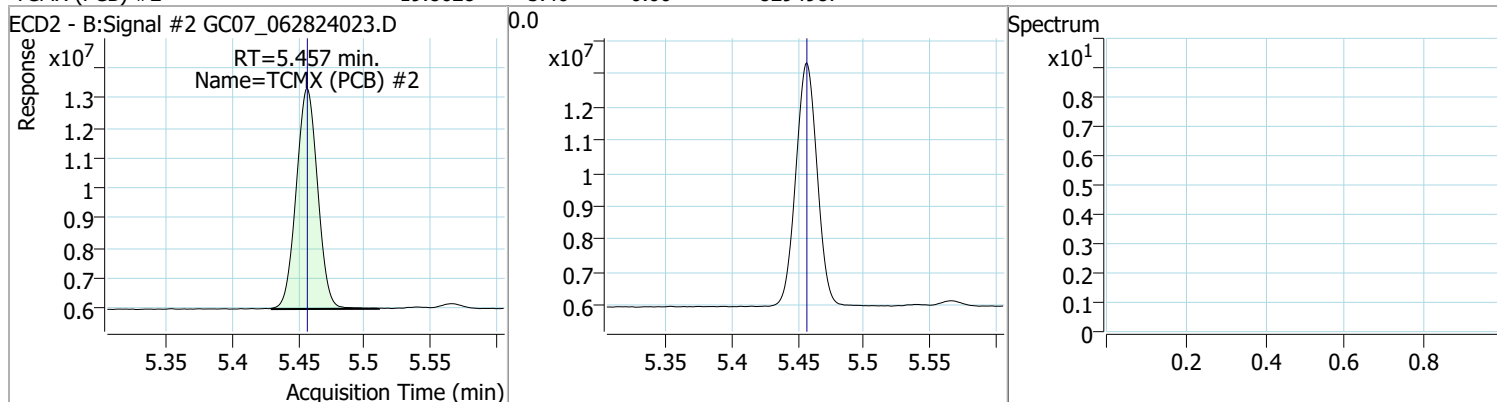
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

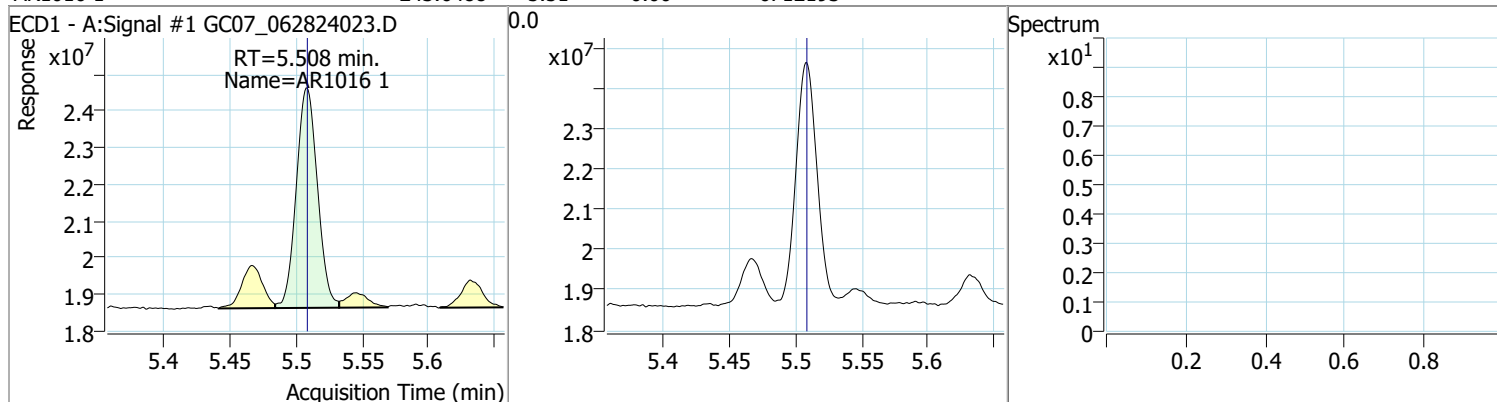
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.7004	5.15	0.00	27608954				



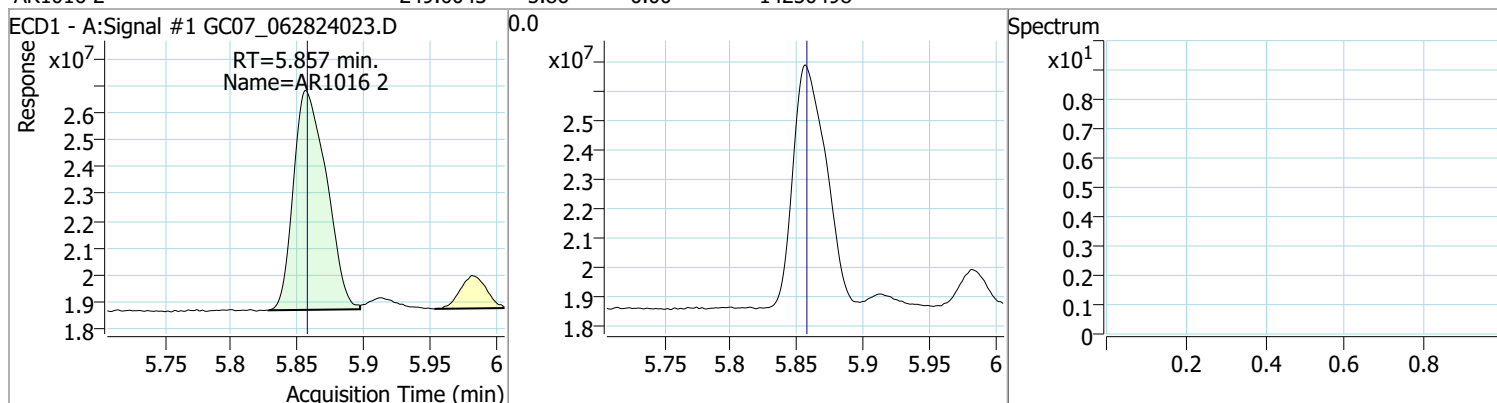
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.8628	5.46	0.00	8294987				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	243.6488	5.51	0.00	6712193				

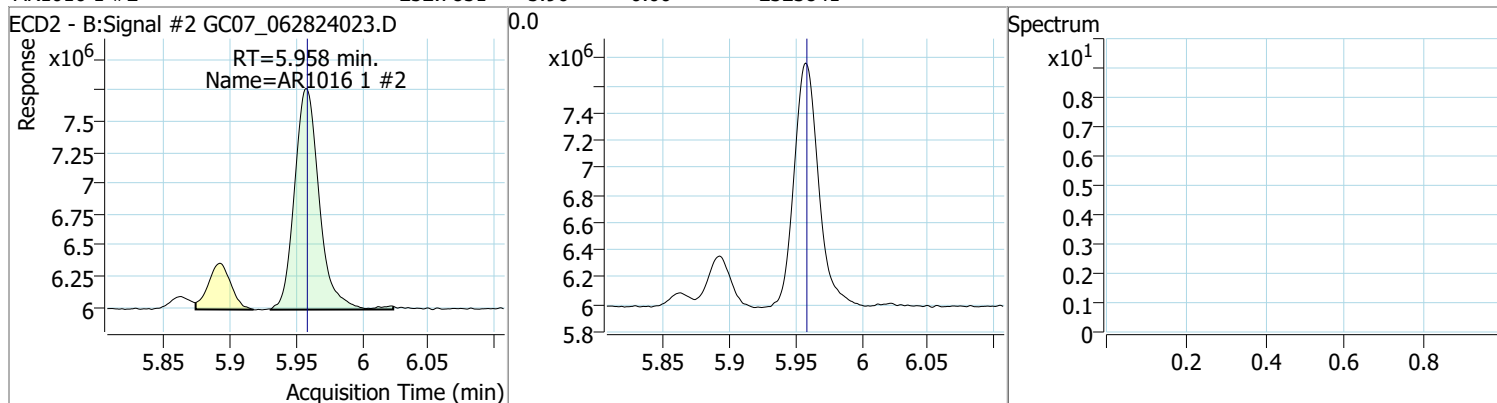


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	249.0043	5.86	0.00	14250498				

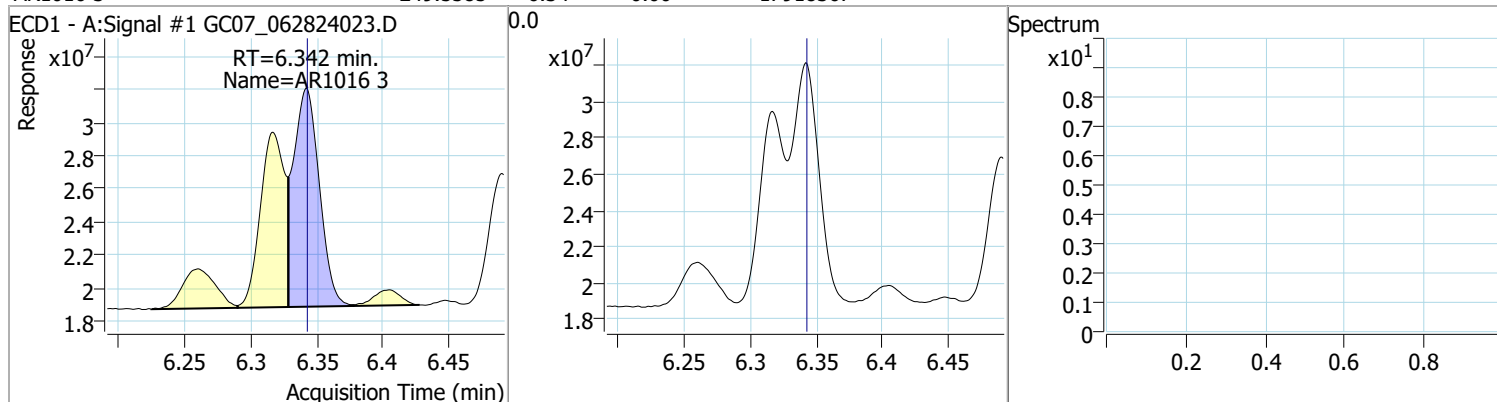


Quantitation Results Report (Not Reviewed)

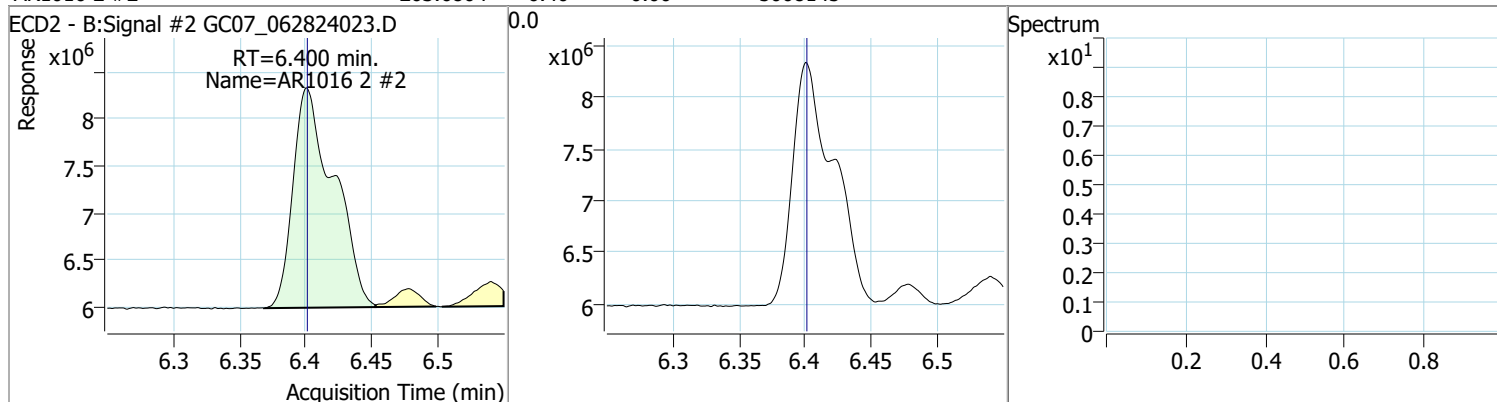
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	252.7851	5.96	0.00	2323841				



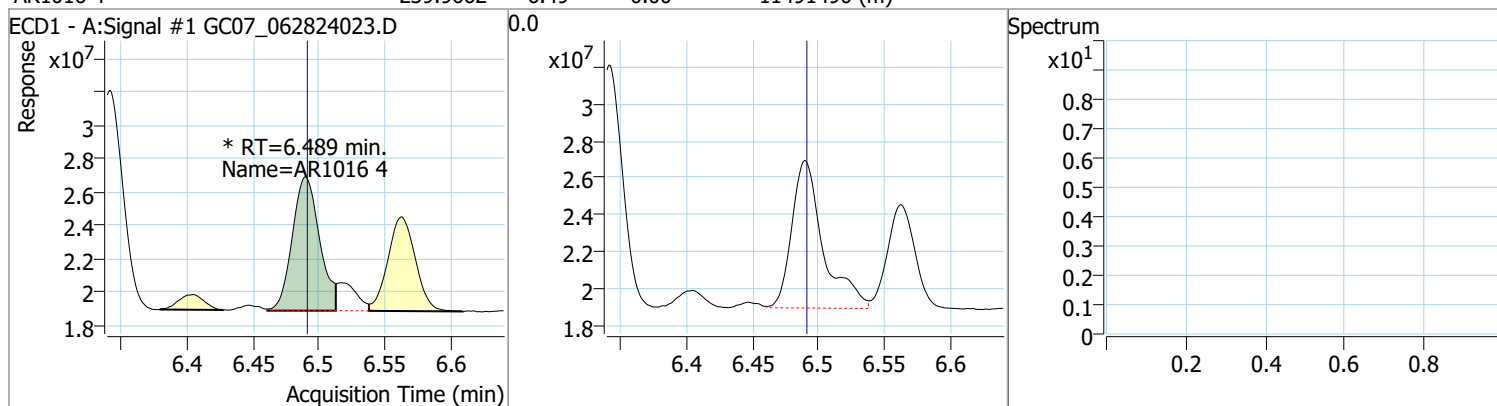
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	249.5585	6.34	0.00	17918367				



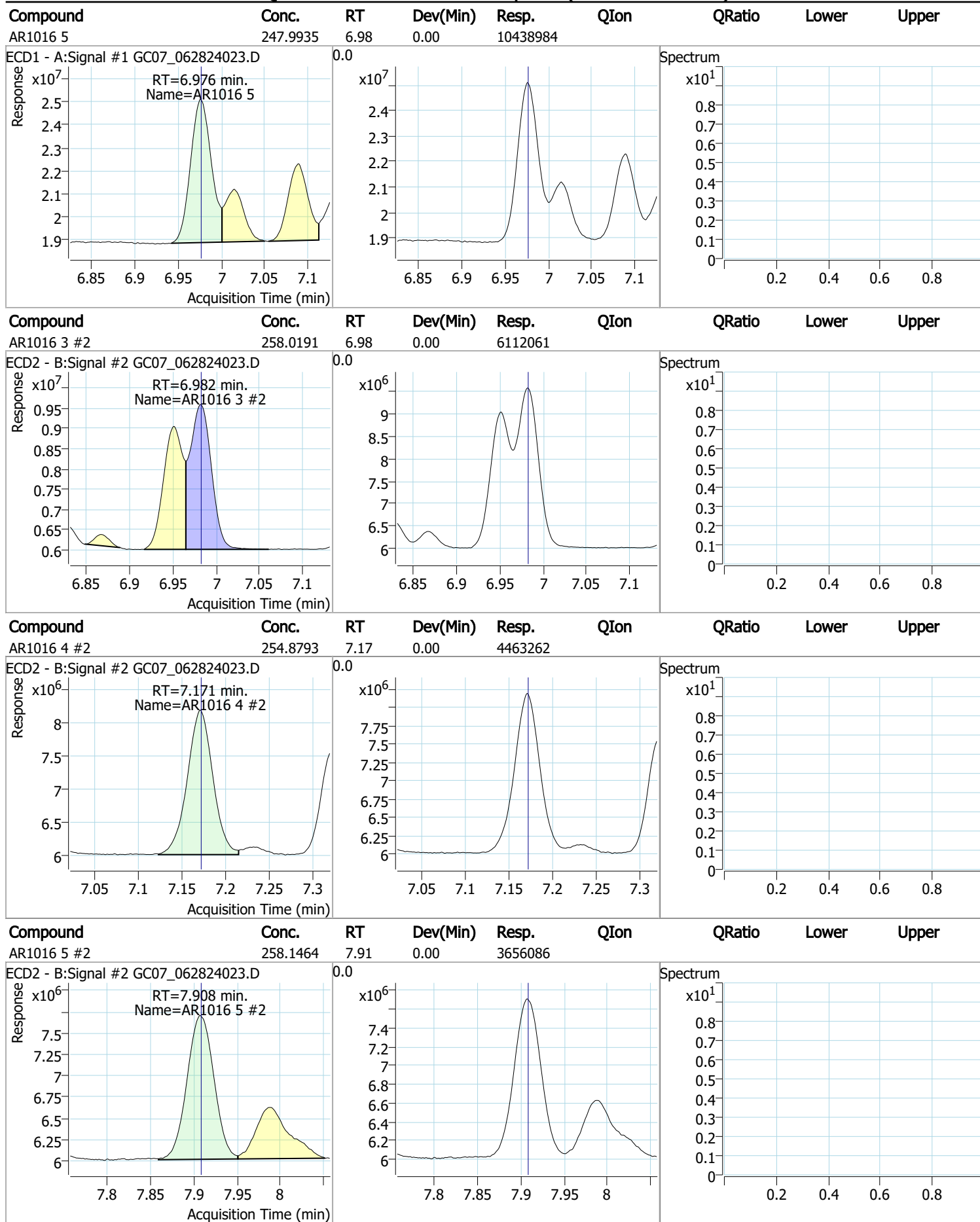
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	263.6804	6.40	0.00	5008145				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	239.9662	6.49	0.00	11491490 (m)				

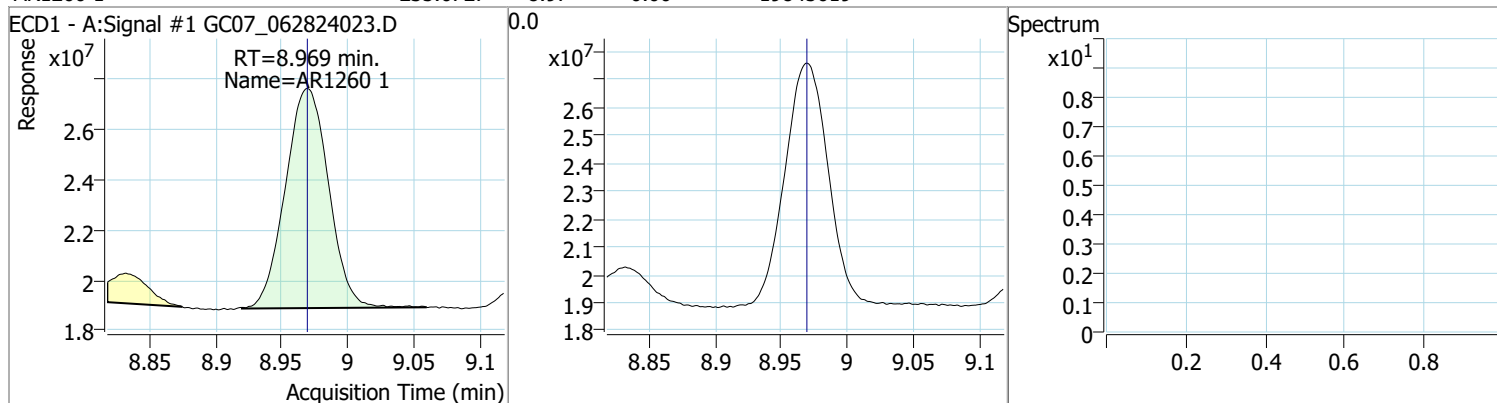


Quantitation Results Report (Not Reviewed)

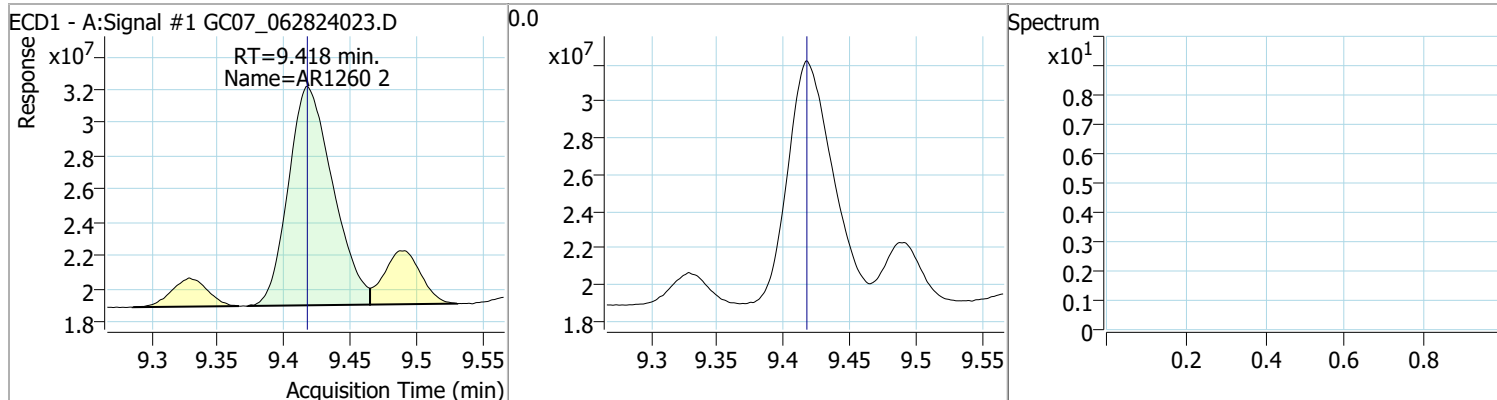


Quantitation Results Report (Not Reviewed)

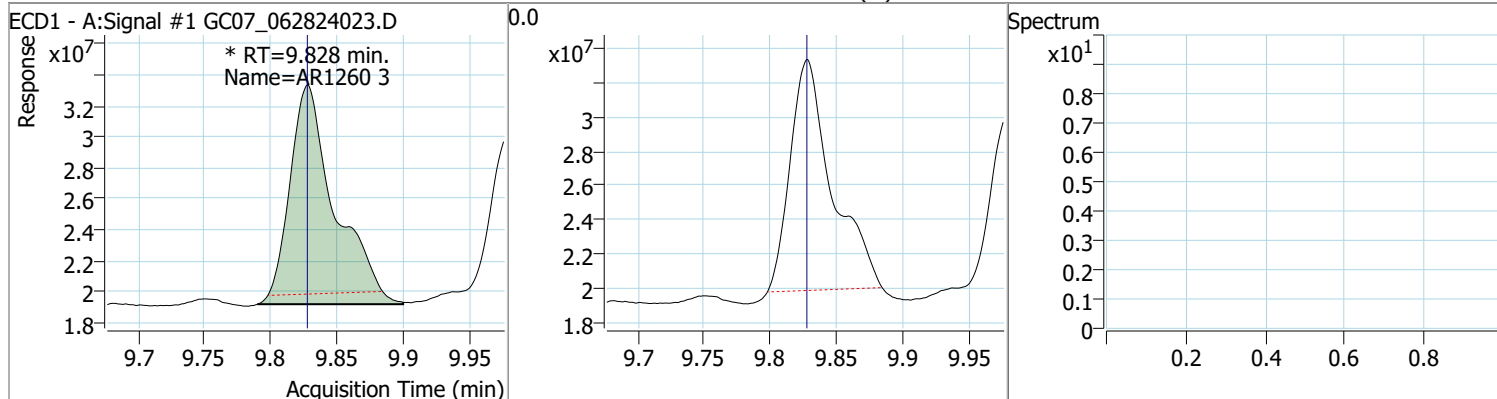
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	235.0727	8.97	0.00	19845619				



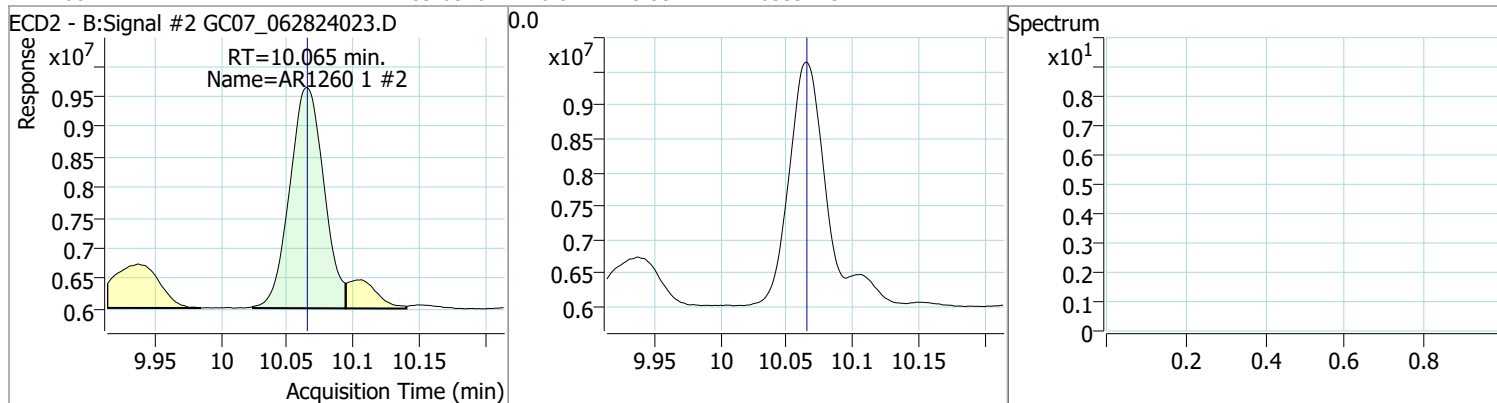
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	240.1138	9.42	0.00	30959966				



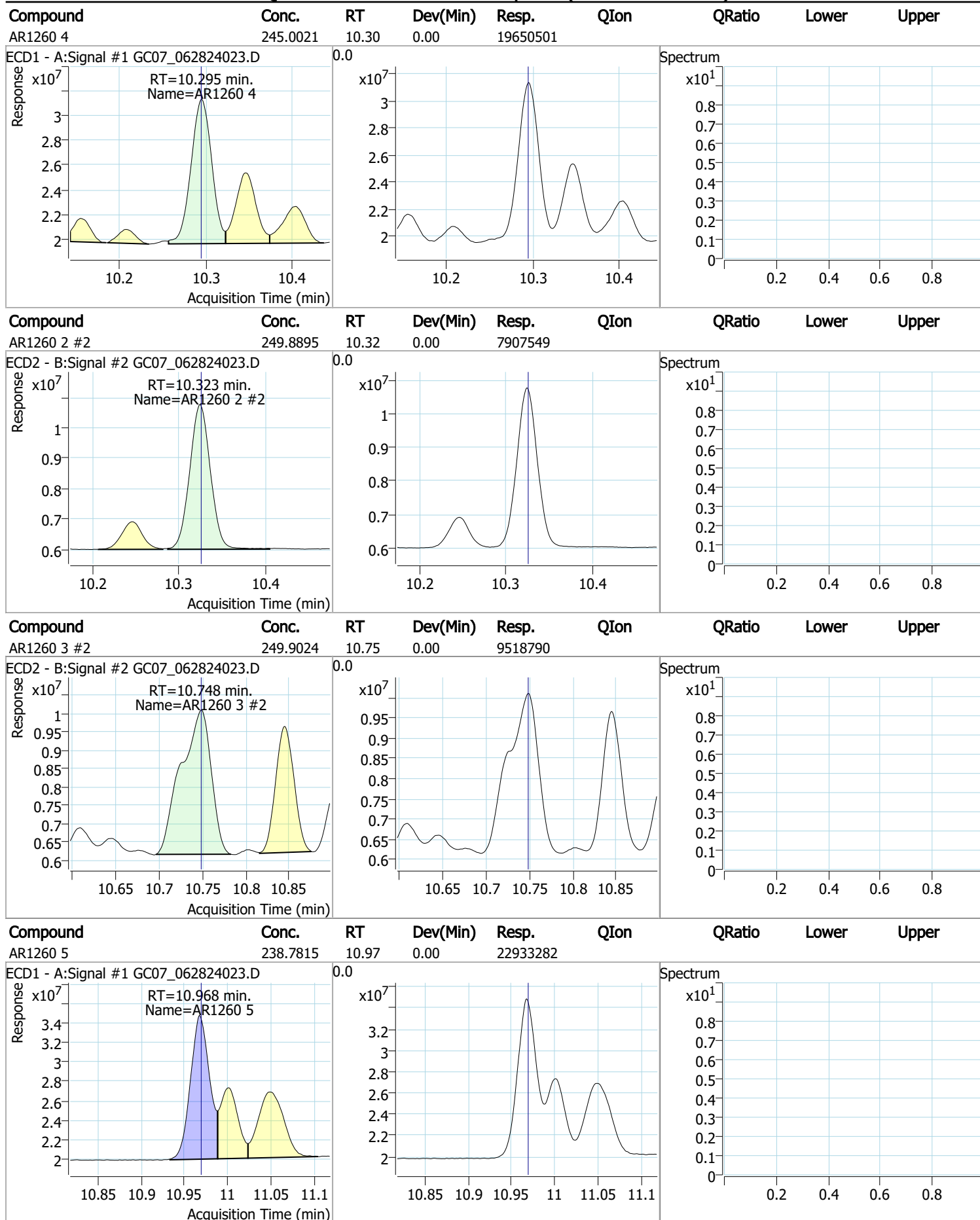
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	242.4531	9.83	0.00	33635868 (m)				



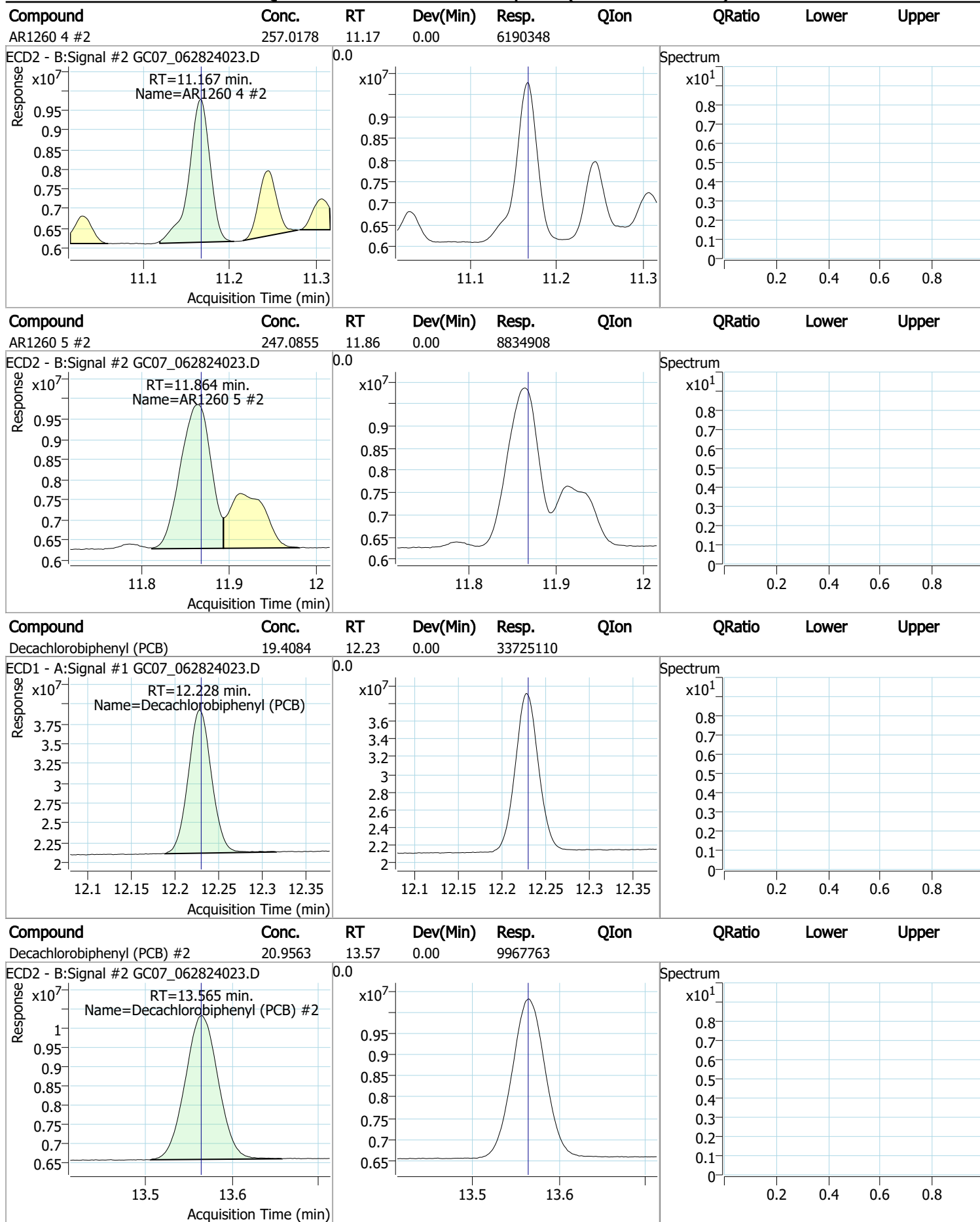
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	259.6026	10.07	0.00	6539148				



Quantitation Results Report (Not Reviewed)

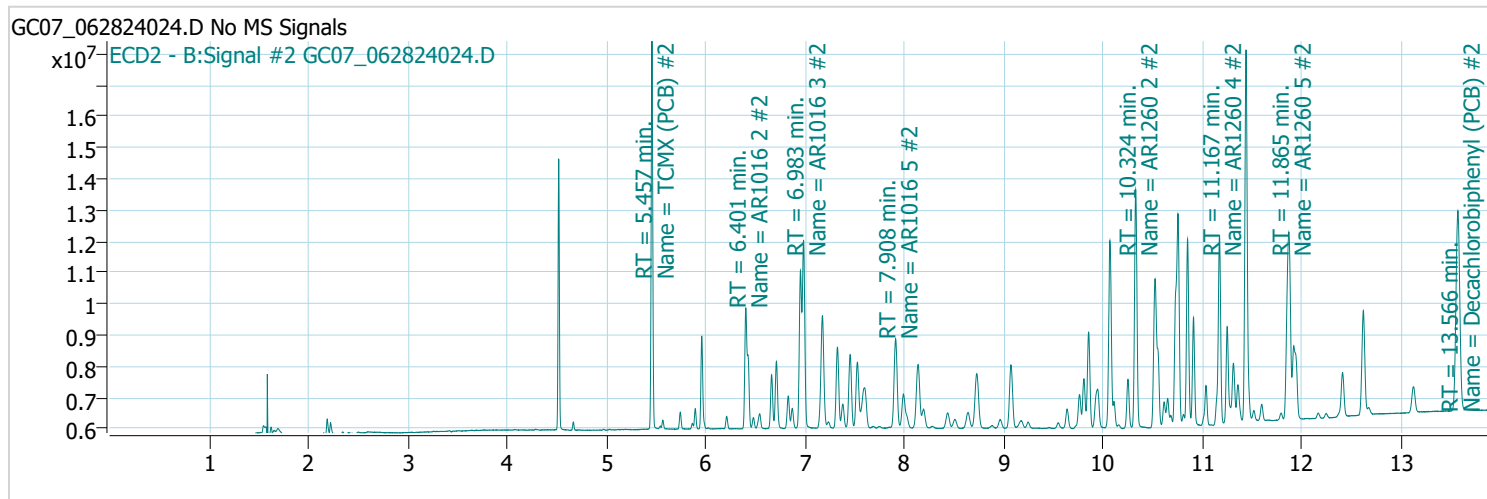
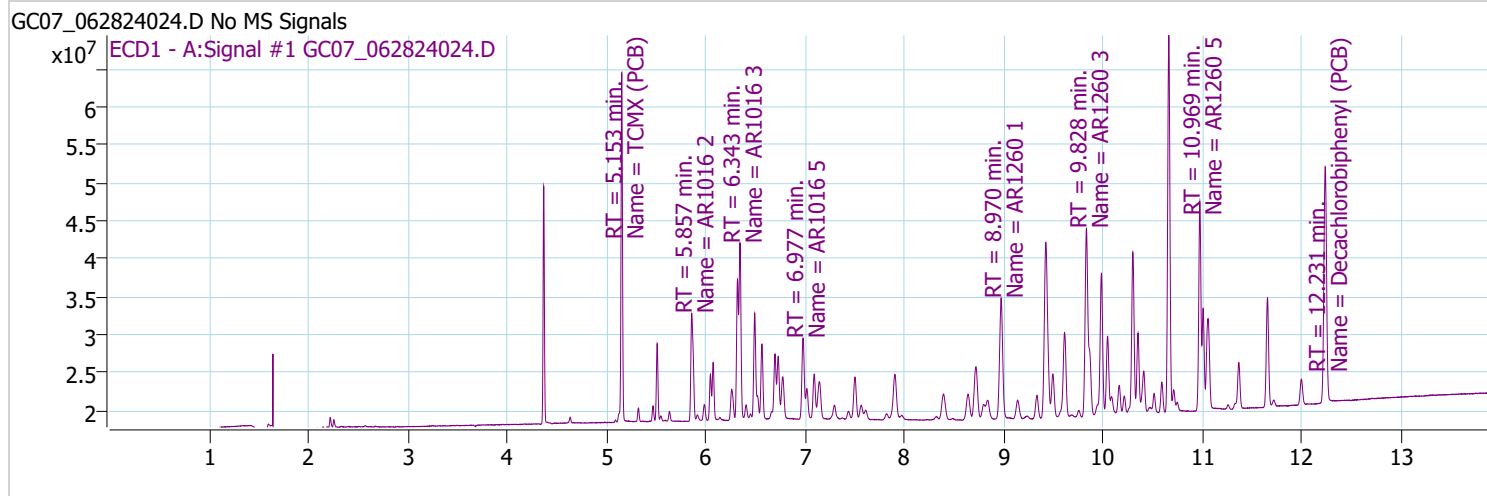


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:13:27 PM
Sample Name	ICAL, S20887	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	28559390.8 30	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8178446.73 5	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	48329494.5 91	36.1248	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.62%	*	
S TCMX (PCB) #2	5.457	0.0	14145725.0 48	36.0604	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.30%	*	
S Decachlorobiphenyl (PCB)	12.231	0.0	59871129.0 47	38.0230	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.12%	*	
S Decachlorobiphenyl (PCB) #2	13.566	0.0	17397856.5 64	38.9397	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.70%	*	

Target Compounds

QValue

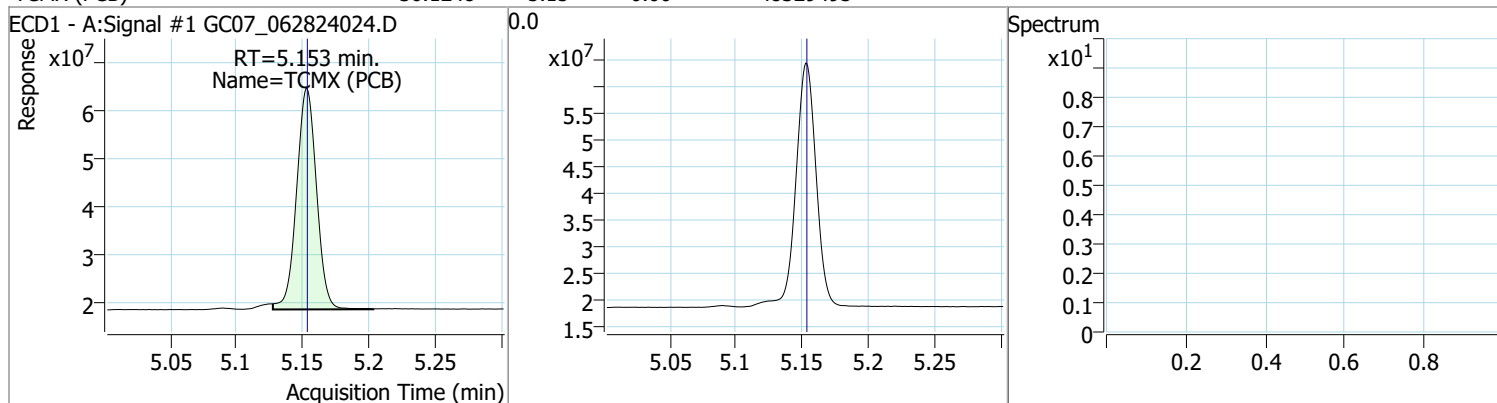
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.509	0.0	11456349.1 24	458.9217	ng/ml	100
T AR1016 2	5.857	0.0	24370875.0 13	469.9378	ng/ml	100
T AR1016 1 #2	5.958	0.0	3894646.51 1	451.0175	ng/ml	100
T AR1016 3	6.343	0.0	31510228.2 77	484.3037	ng/ml	100
T AR1016 2 #2	6.401	0.0	8436943.17 4	472.8965	ng/ml	100
T AR1016 4	6.491	0.0	20171592.7 97	464.8430	ng/ml m	100
T AR1016 5	6.977	0.0	17790602.6 32	466.4070	ng/ml	100
T AR1016 3 #2	6.983	0.0	10321710.6 74	463.8696	ng/ml	100
T AR1016 4 #2	7.172	0.0	7517043.58 4	456.9929	ng/ml	100
T AR1016 5 #2	7.908	0.0	6164598.65 2	463.3771	ng/ml	100
T AR1260 1	8.970	0.0	34968974.1 38	457.1017	ng/ml	100
T AR1260 2	9.420	0.0	54467793.9 82	466.1748	ng/ml	100
T AR1260 3	9.828	0.0	59512614.7 00	473.3981	ng/ml m	100
T AR1260 1 #2	10.064	0.0	10972294.3 21	463.7303	ng/ml	100
T AR1260 4	10.295	0.0	35258109.2 21	485.1182	ng/ml	100
T AR1260 2 #2	10.324	0.0	13186955.0 89	443.6401	ng/ml	100
T AR1260 3 #2	10.749	0.0	16208572.8 25	453.0160	ng/ml	100
T AR1260 5	10.969	0.0	41681149.4 73	478.9239	ng/ml	100
T AR1260 4 #2	11.167	0.0	10585125.2 58	467.8691	ng/ml	100
T AR1260 5 #2	11.865	0.0	15343499.8 70	456.8250	ng/ml	100

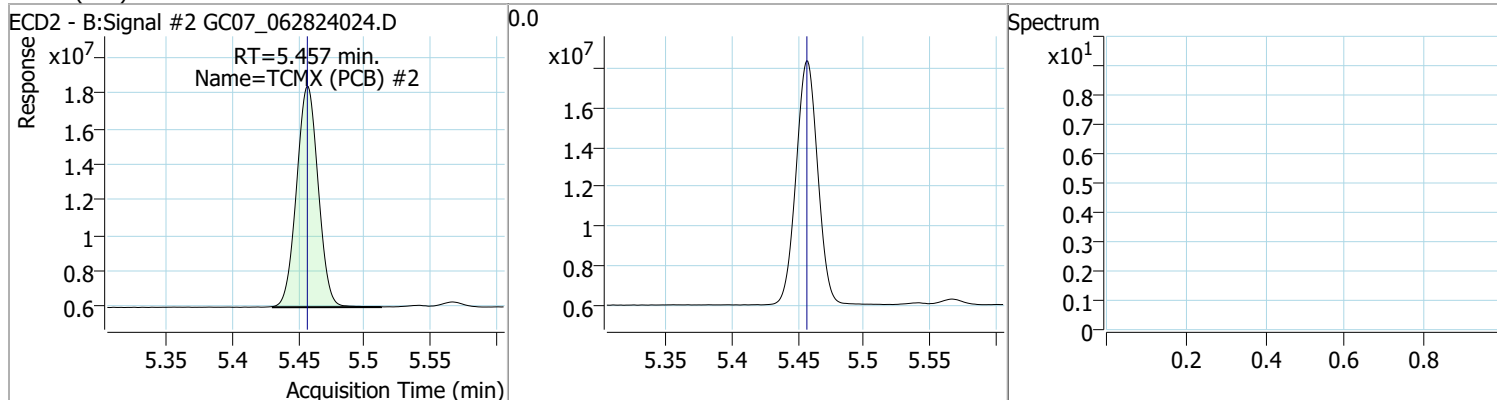
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

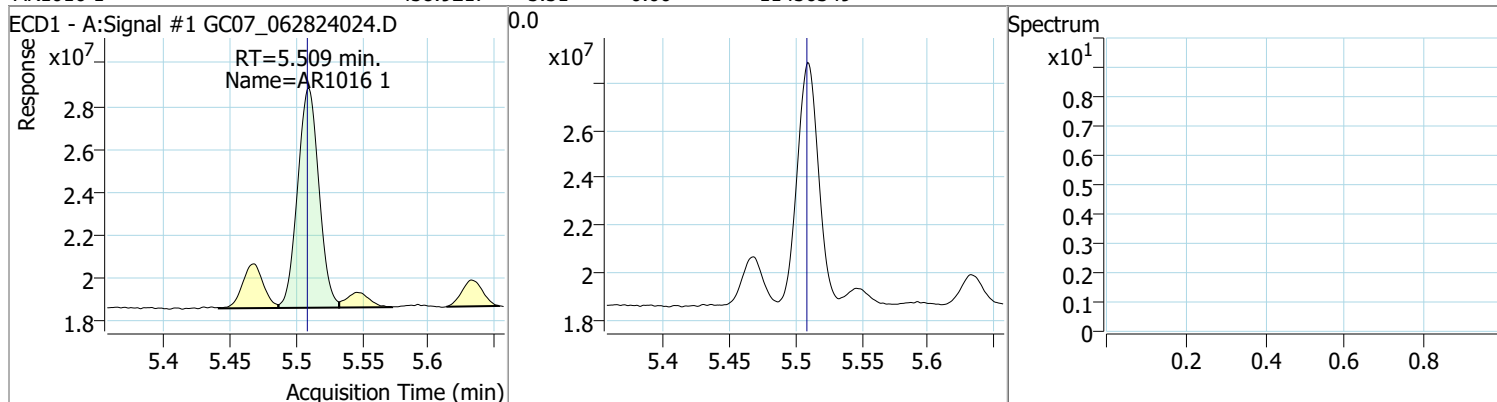
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.1248	5.15	0.00	48329495				



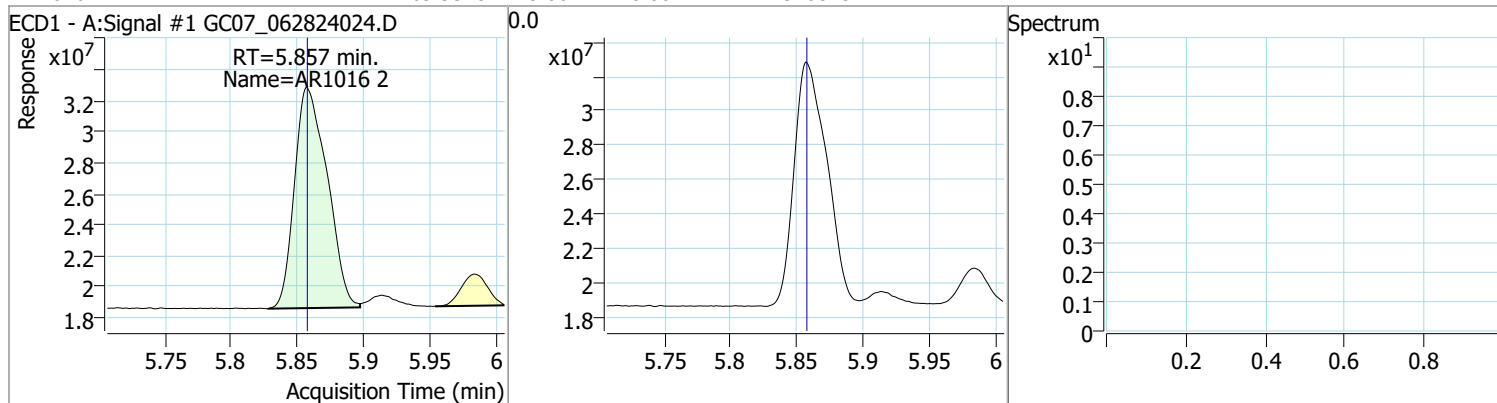
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.0604	5.46	0.00	14145725				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	458.9217	5.51	0.00	11456349				

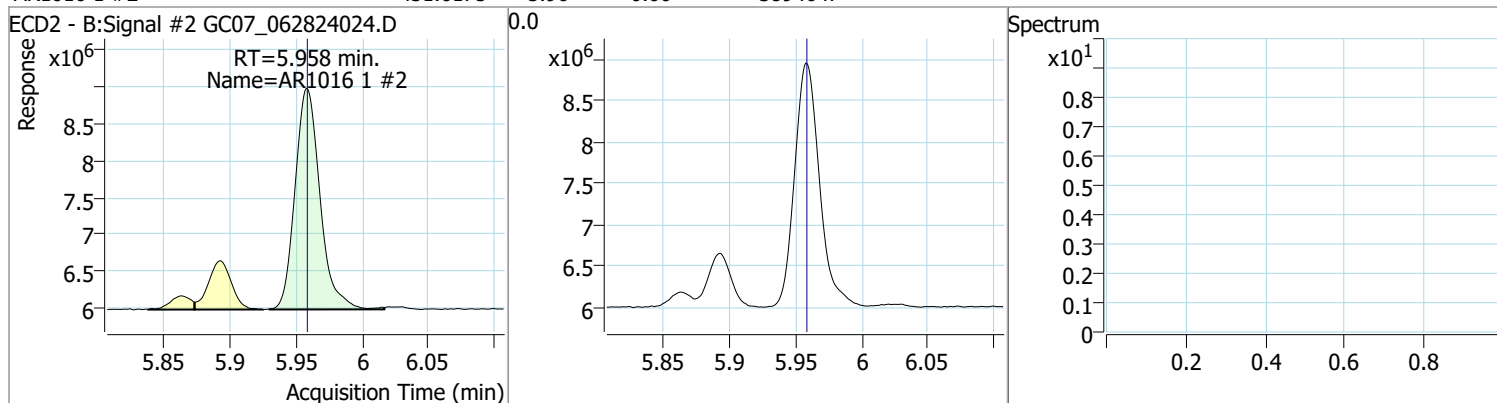


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	469.9378	5.86	0.00	24370875				

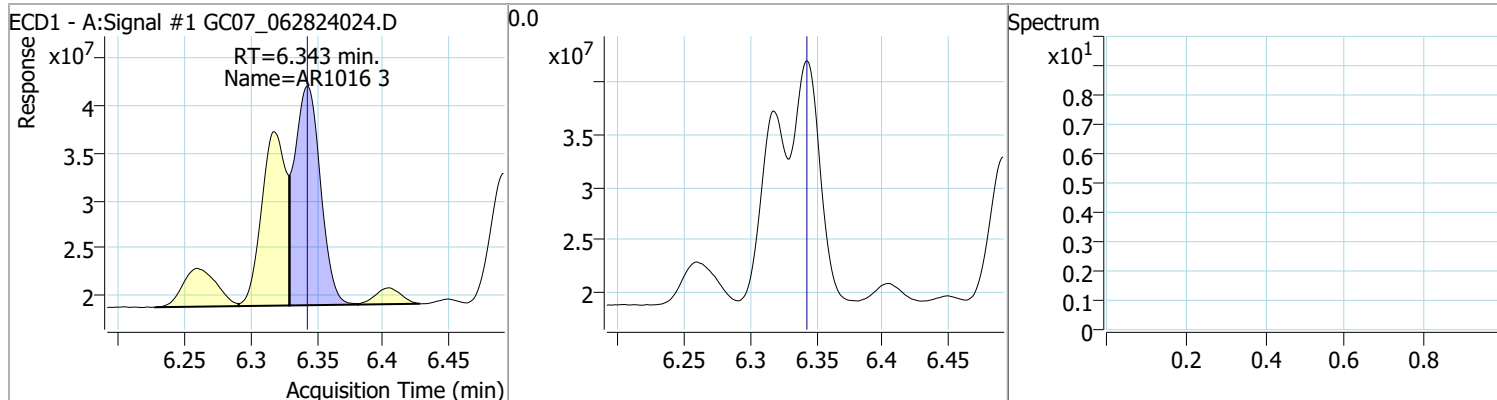


Quantitation Results Report (Not Reviewed)

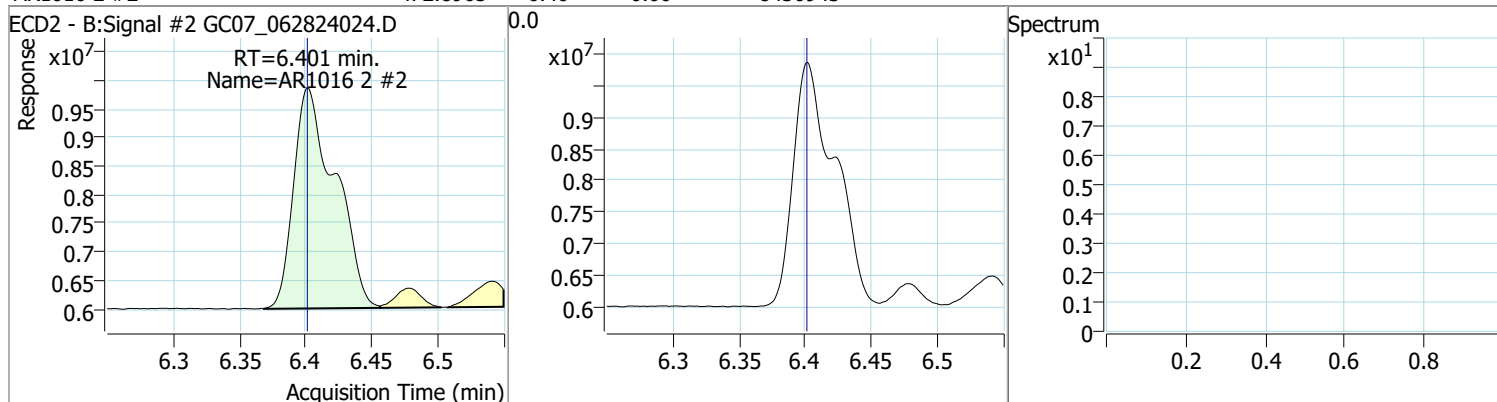
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	451.0175	5.96	0.00	3894647				



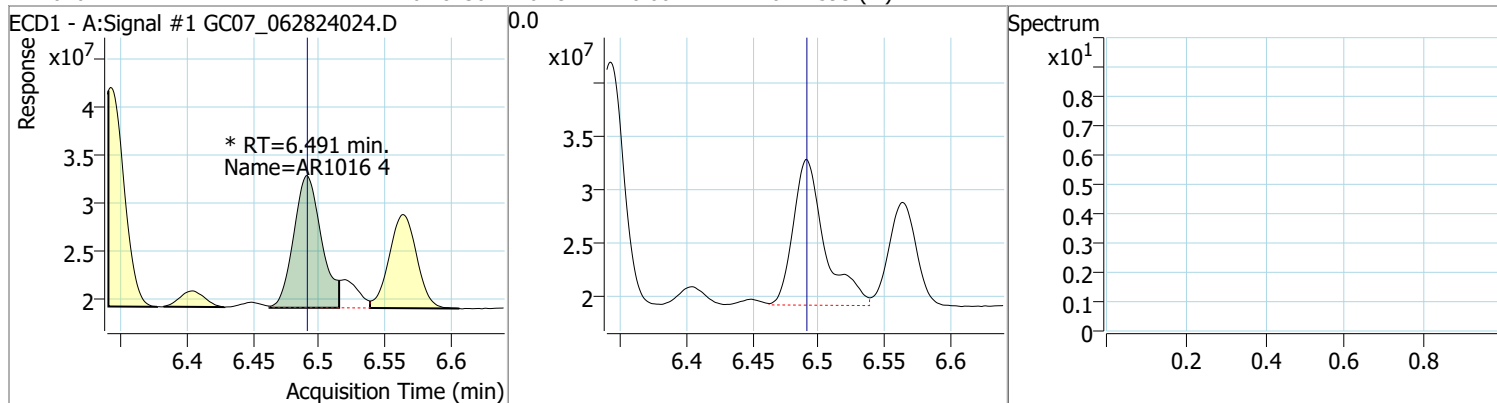
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	484.3037	6.34	0.00	31510228				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	472.8965	6.40	0.00	8436943				

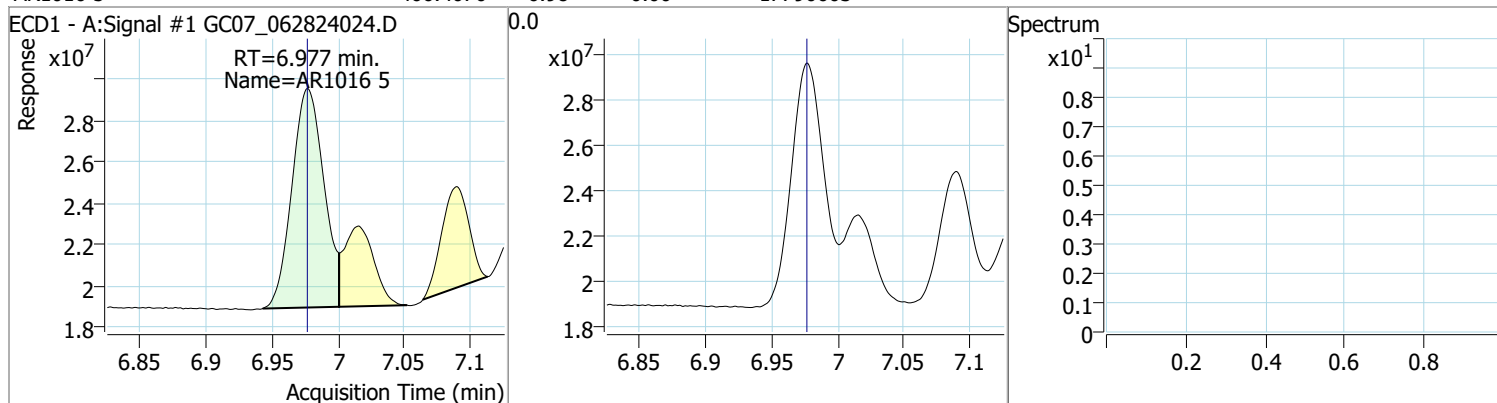


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	464.8430	6.49	0.00	20171593 (m)				

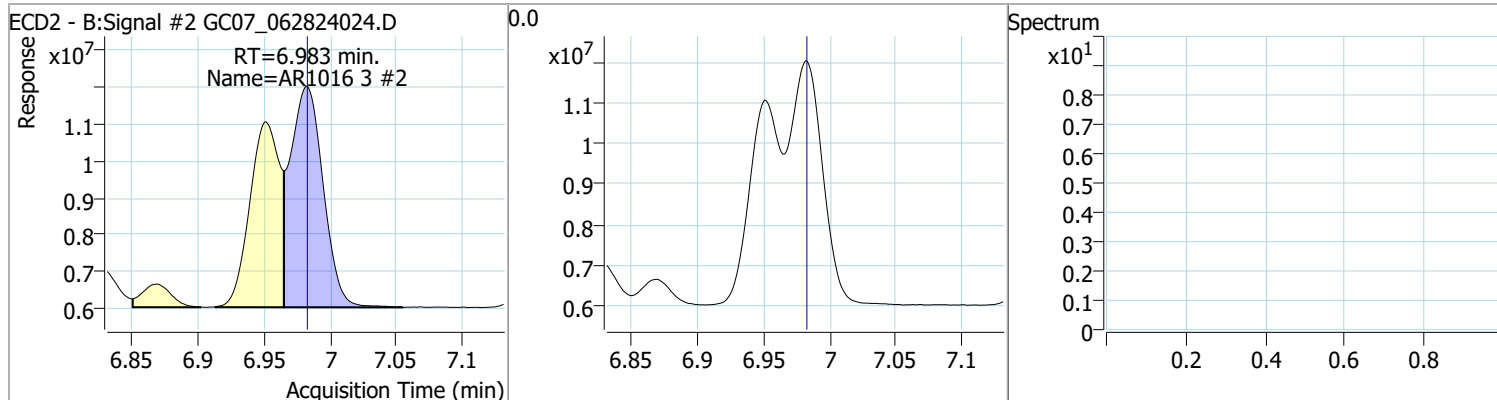


Quantitation Results Report (Not Reviewed)

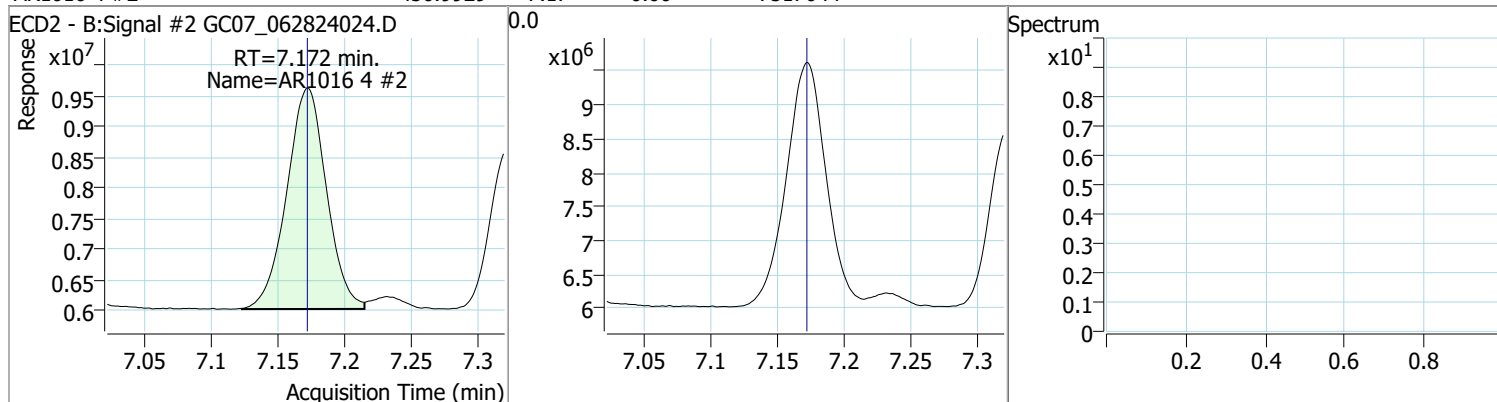
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	466.4070	6.98	0.00	17790603				



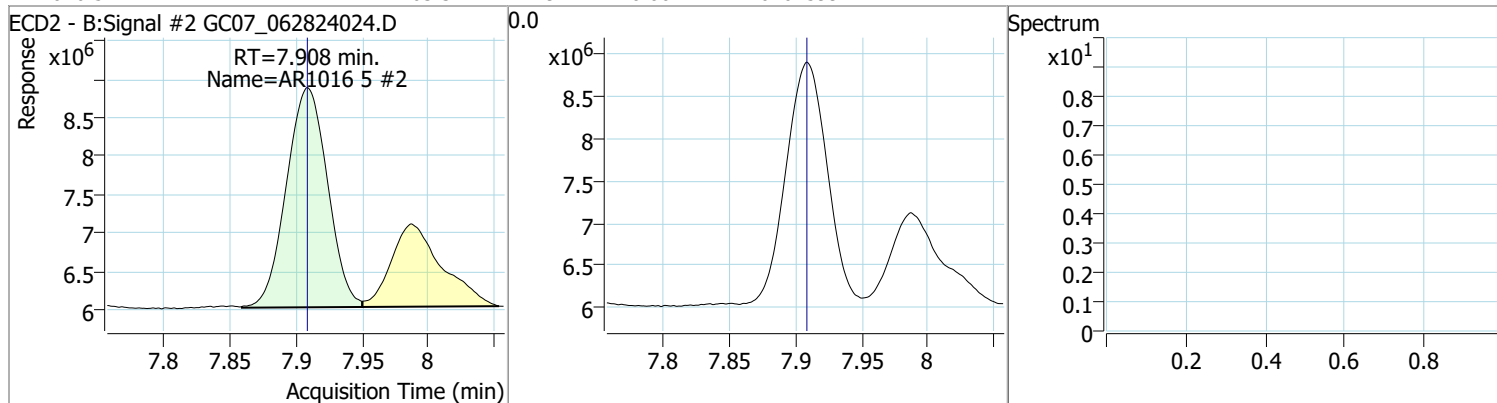
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	463.8696	6.98	0.00	10321711				



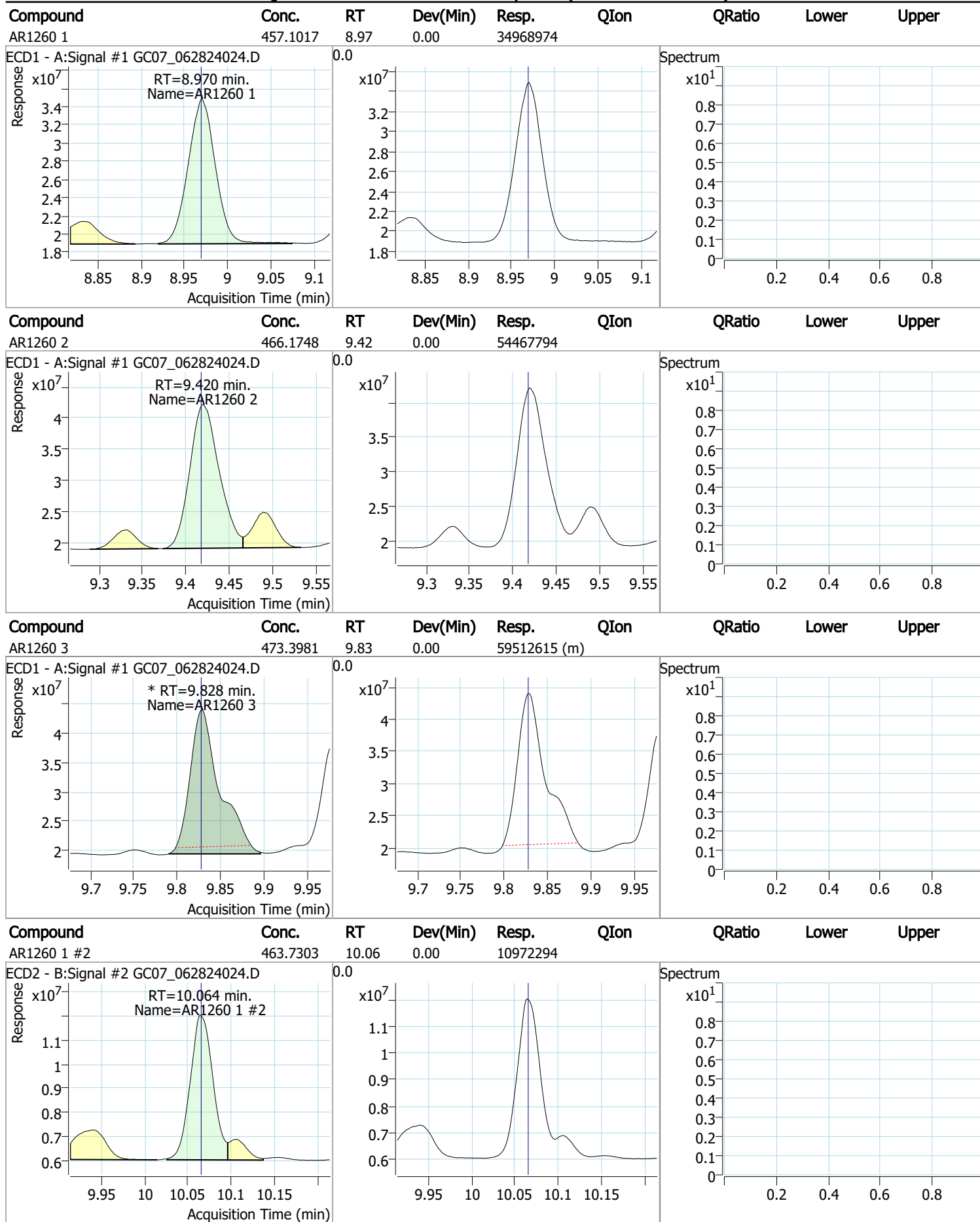
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	456.9929	7.17	0.00	7517044				



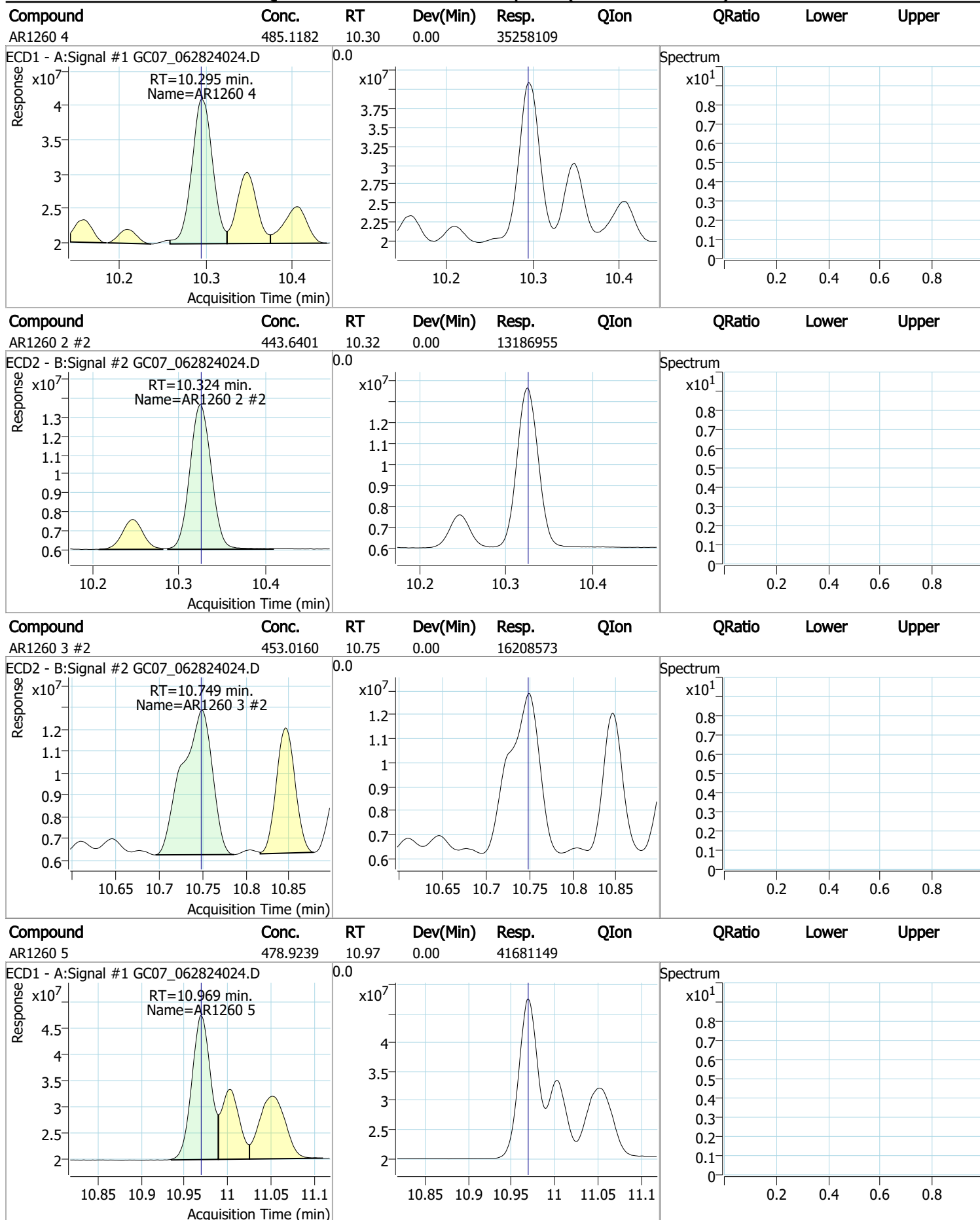
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	463.3771	7.91	0.00	6164599				



Quantitation Results Report (Not Reviewed)

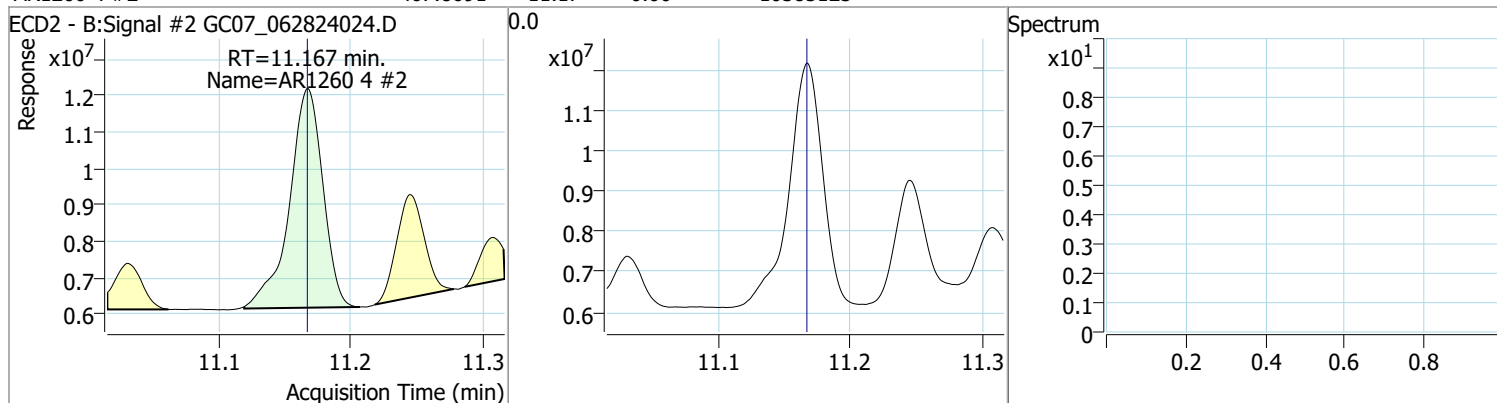


Quantitation Results Report (Not Reviewed)

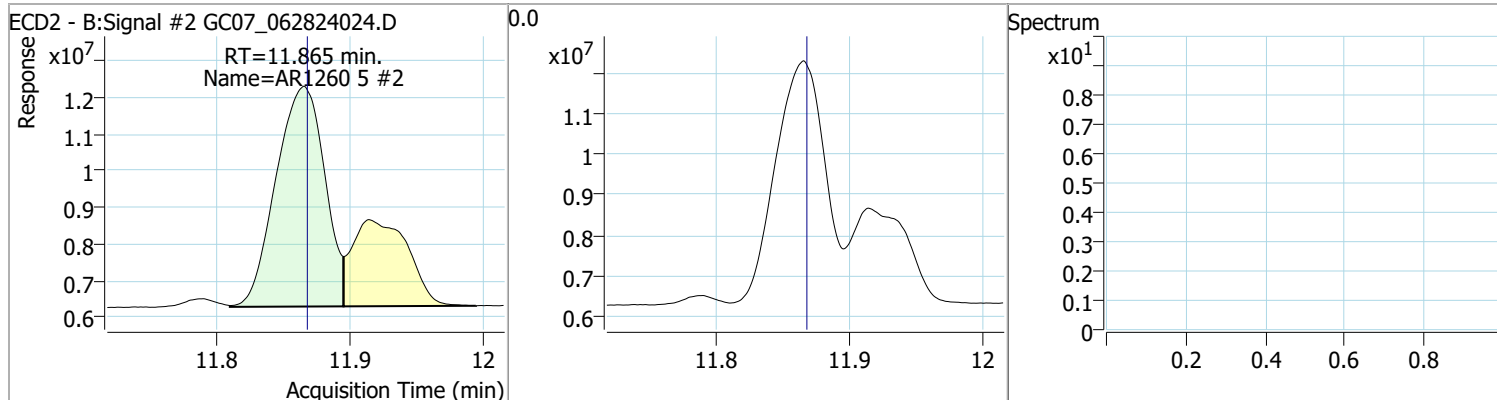


Quantitation Results Report (Not Reviewed)

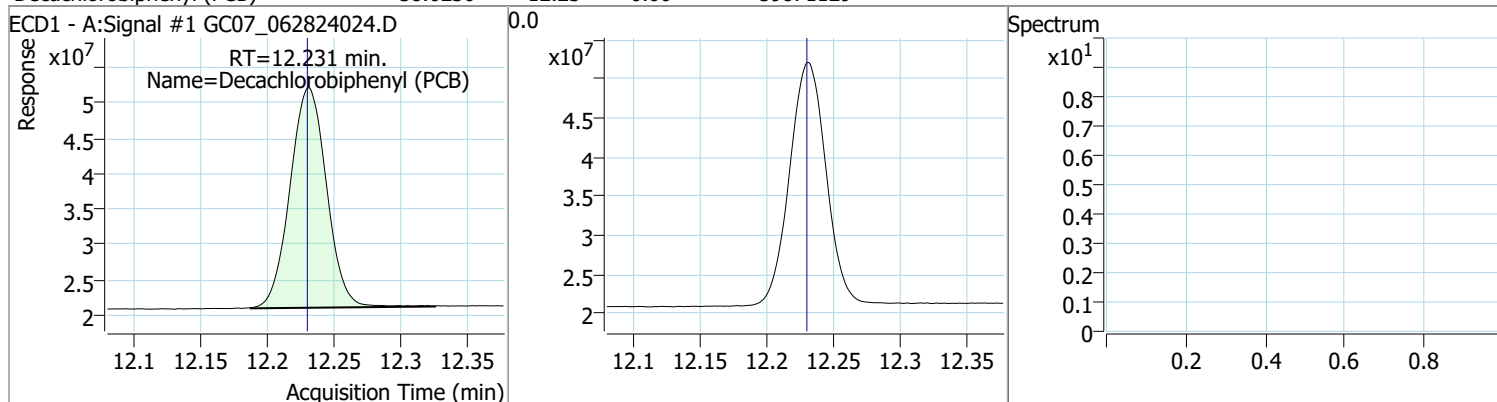
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	467.8691	11.17	0.00	10585125				



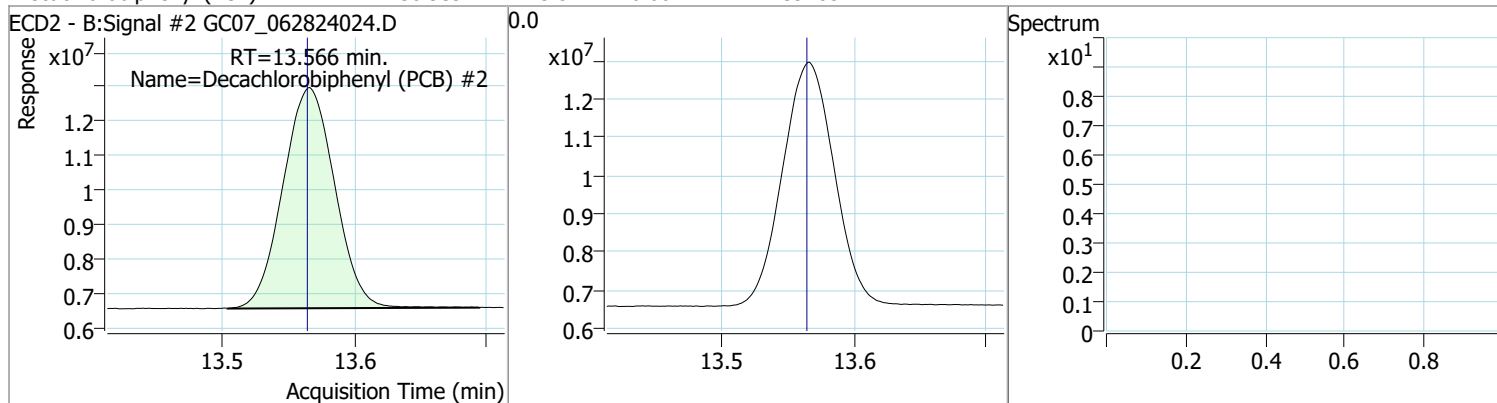
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	456.8250	11.87	0.00	15343500				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.0230	12.23	0.00	59871129				

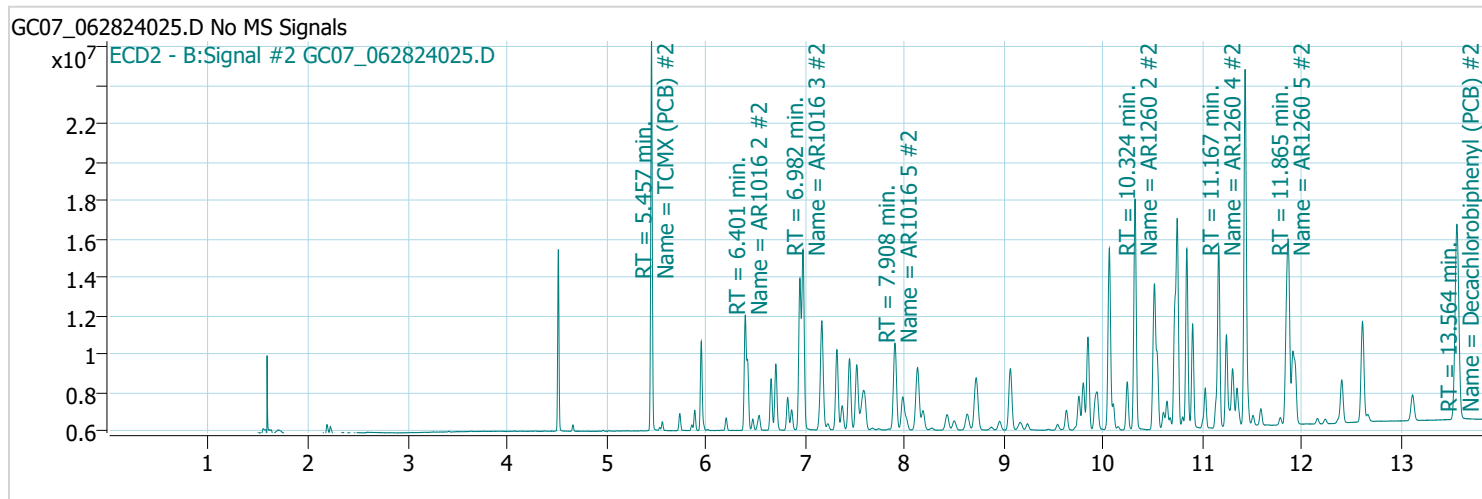
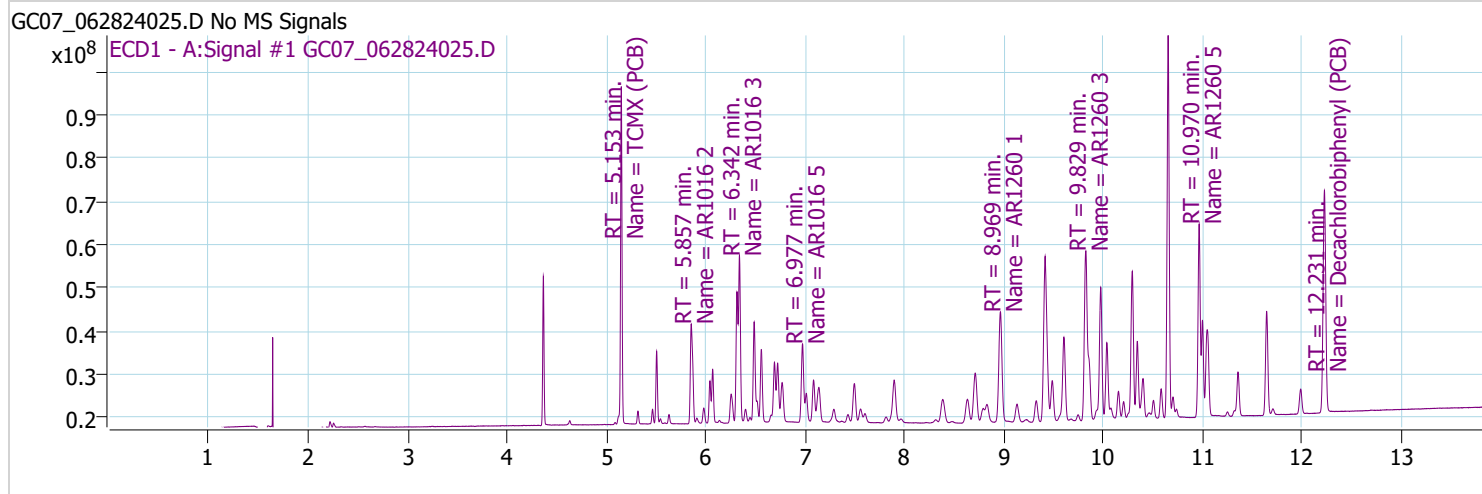


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.9397	13.57	0.00	17397857				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 2:30:49 PM
Sample Name	ICAL, S20888	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	31521008.606	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8732372.944	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	80432127.843	54.4718	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.36%	*	
S TCMX (PCB) #2	5.457	0.0	22613164.492	53.9889	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 269.94%	*	
S Decachlorobiphenyl (PCB)	12.231	0.0	96925538.200	55.7720	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 278.86%	*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	27480913.922	57.6059	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 288.03%	*	

Target Compounds

QValue

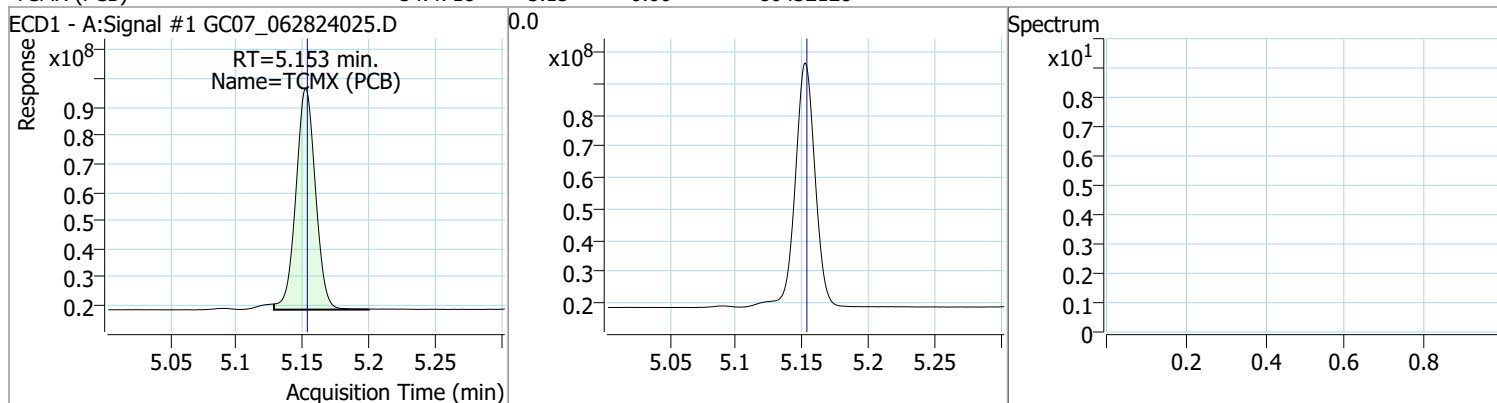
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	18625516.4 87	676.0044	ng/ml	100
T AR1016 2	5.857	0.0	39821970.9 78	695.7301	ng/ml	100
T AR1016 1 #2	5.958	0.0	6200185.22 0	672.4632	ng/ml	100
T AR1016 3	6.342	0.0	51592156.3 19	718.4537	ng/ml	100
T AR1016 2 #2	6.401	0.0	13186618.0 85	692.2341	ng/ml	100
T AR1016 4	6.490	0.0	33104238.2 83	691.1918	ng/ml m	100
T AR1016 5	6.977	0.0	29391368.3 48	698.1409	ng/ml	100
T AR1016 3 #2	6.982	0.0	16217427.8 25	682.5976	ng/ml	100
T AR1016 4 #2	7.171	0.0	11905034.1 92	677.8469	ng/ml	100
T AR1016 5 #2	7.908	0.0	9906393.65 3	697.4031	ng/ml	100
T AR1260 1	8.969	0.0	57310265.3 57	678.7522	ng/ml	100
T AR1260 2	9.419	0.0	88600636.0 07	687.0600	ng/ml	100
T AR1260 3	9.829	0.0	99715428.3 43	718.6686	ng/ml m	100
T AR1260 1 #2	10.066	0.0	17249631.3 32	682.7888	ng/ml	100
T AR1260 4	10.297	0.0	58329005.6 93	727.1466	ng/ml	100
T AR1260 2 #2	10.324	0.0	20569819.2 38	648.1198	ng/ml	100
T AR1260 3 #2	10.749	0.0	25623427.8 39	670.7251	ng/ml	100
T AR1260 5	10.970	0.0	68834711.0 95	716.6105	ng/ml	100
T AR1260 4 #2	11.167	0.0	17176003.2 20	711.0318	ng/ml	100
T AR1260 5 #2	11.865	0.0	24458563.6 83	682.0165	ng/ml	100

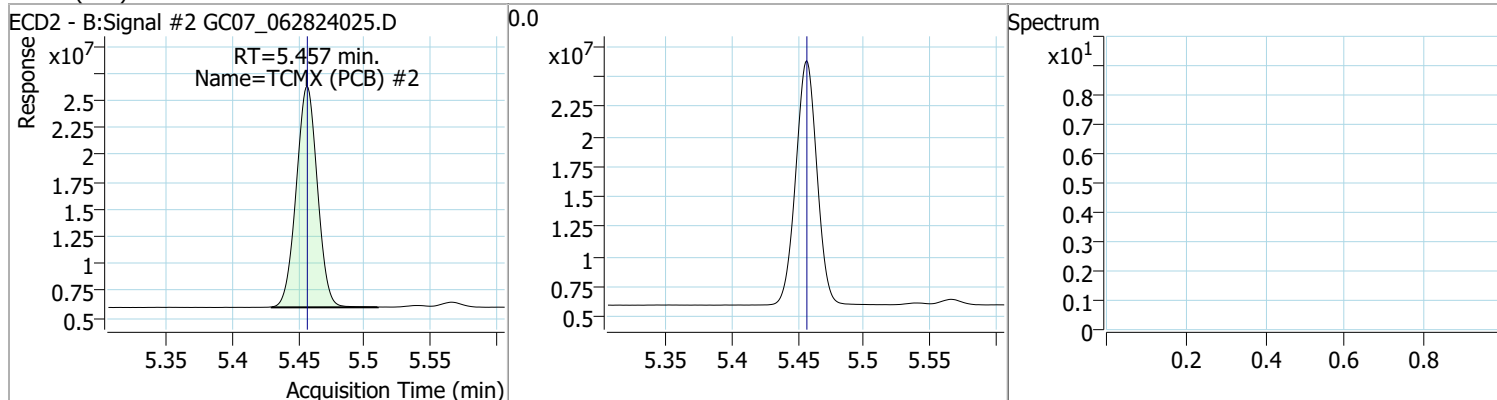
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

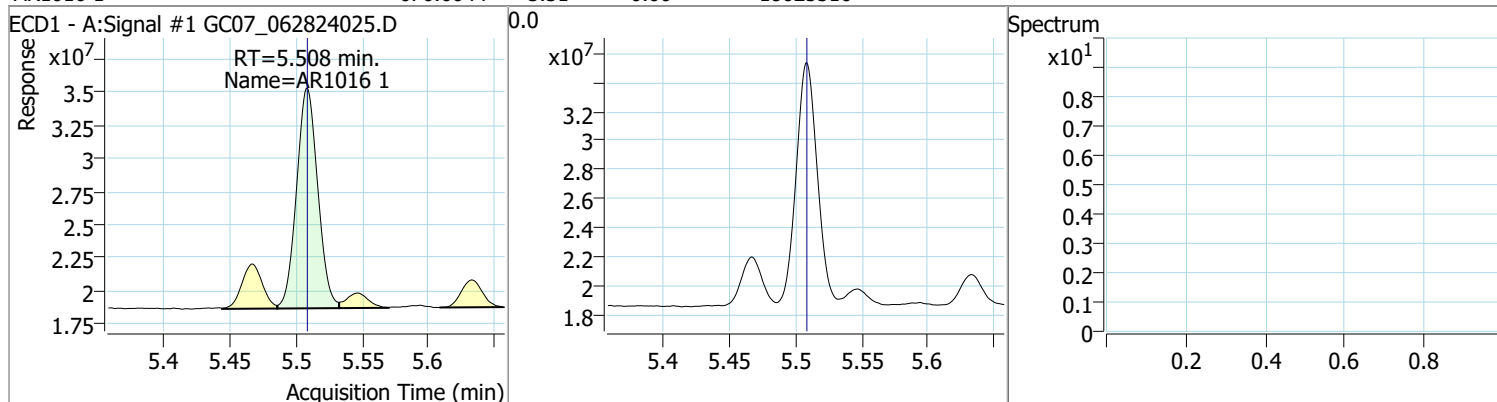
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	54.4718	5.15	0.00	80432128				



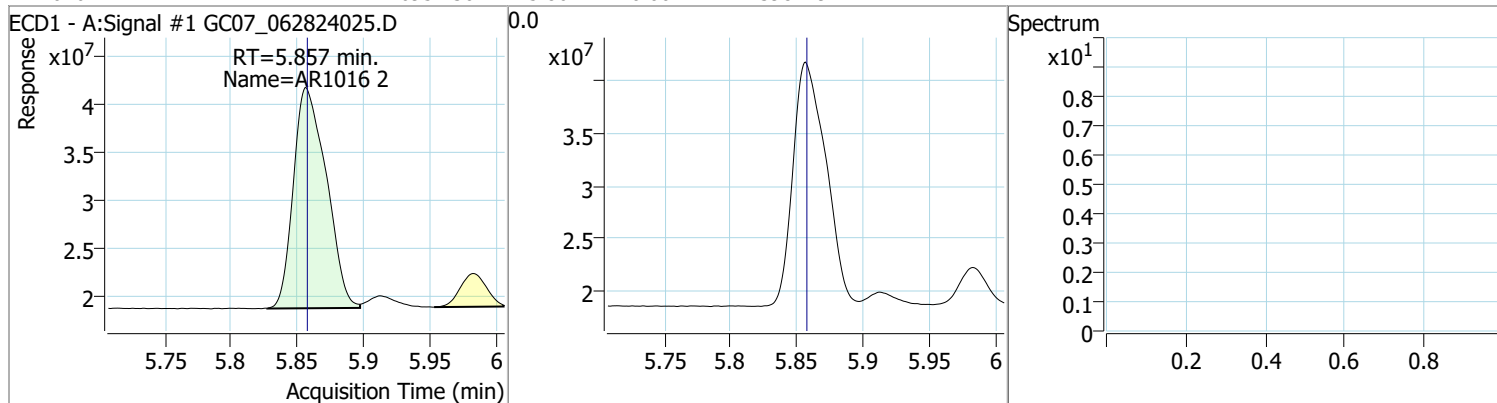
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	53.9889	5.46	0.00	22613164				



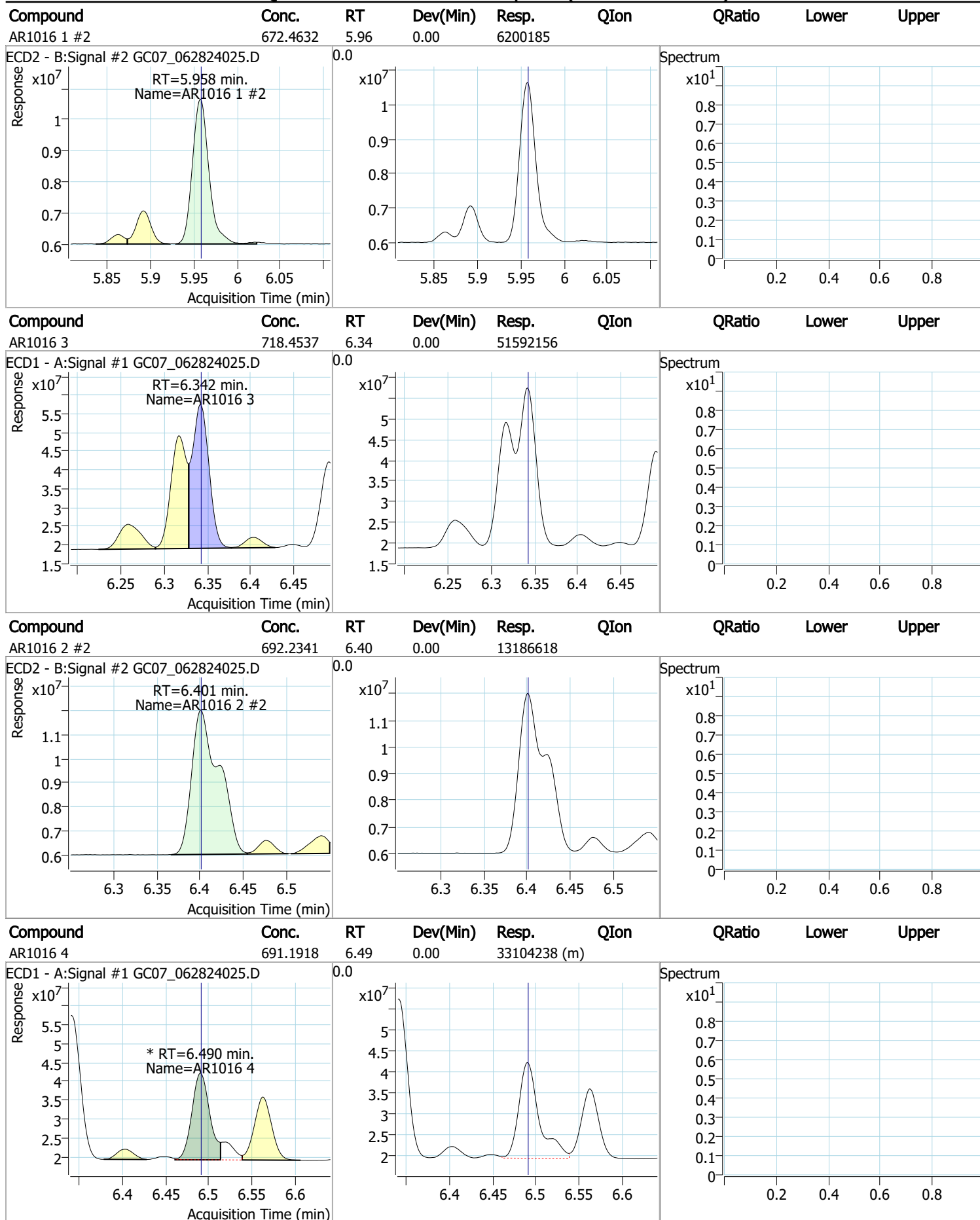
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	676.0044	5.51	0.00	18625516				



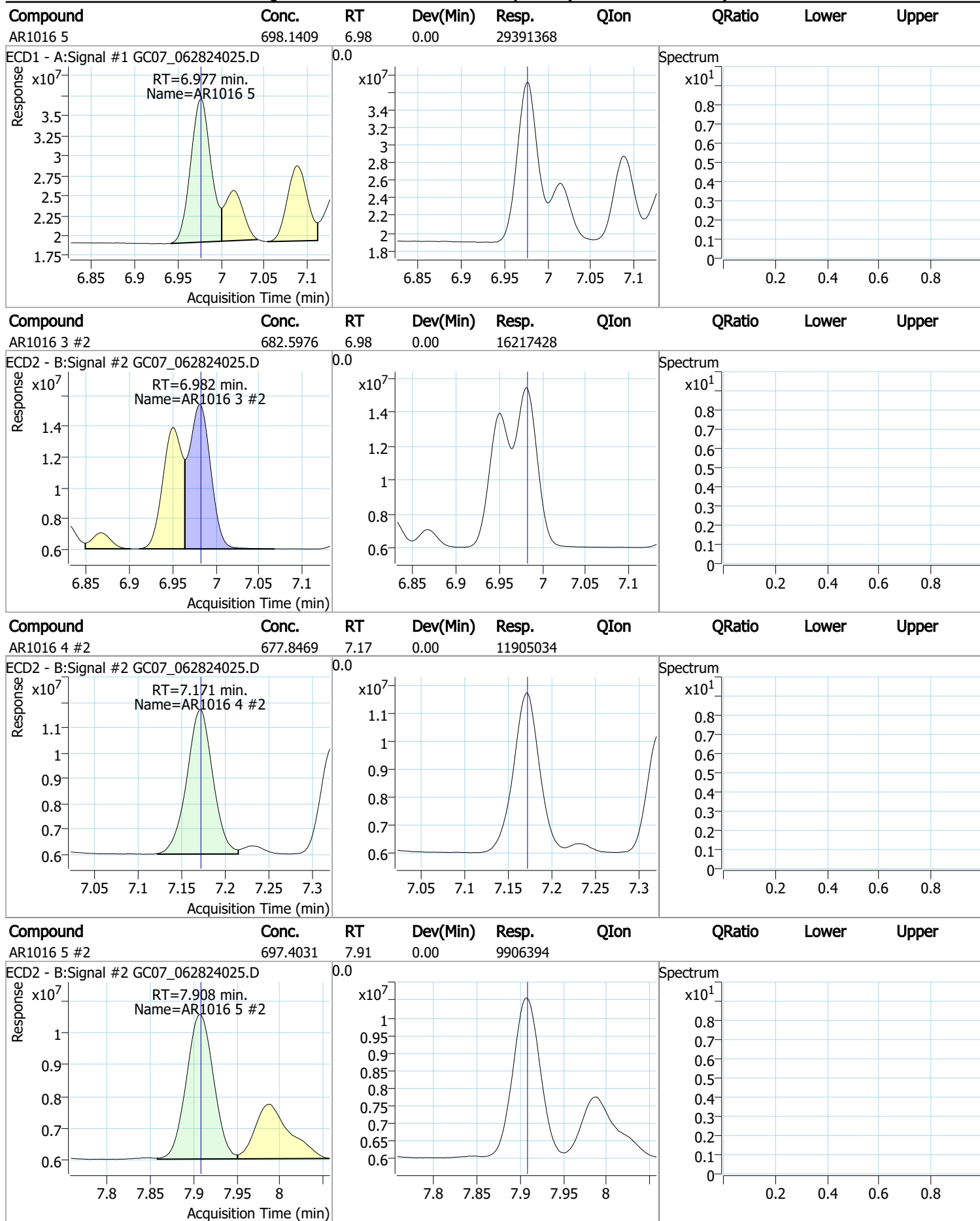
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	695.7301	5.86	0.00	39821971				



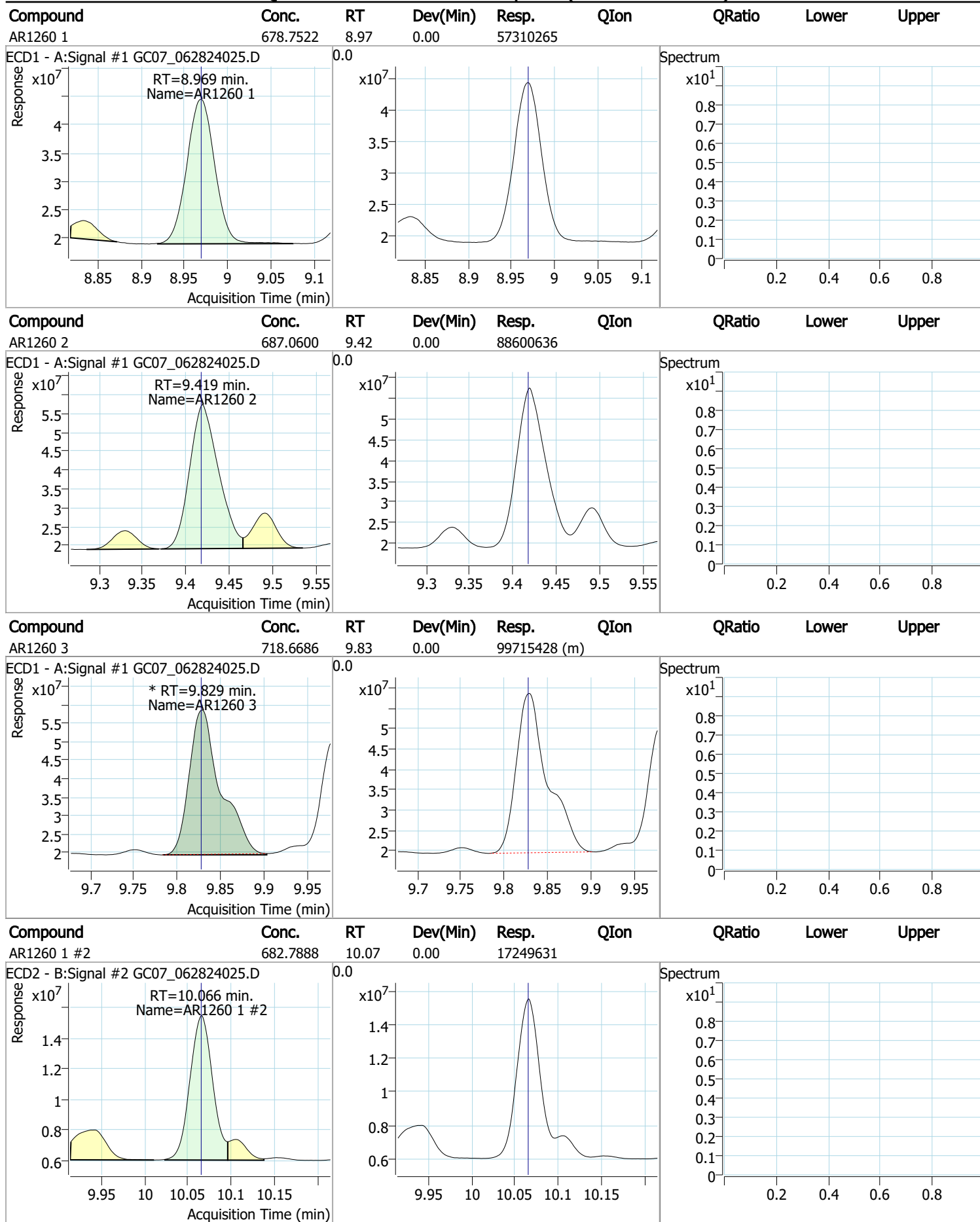
Quantitation Results Report (Not Reviewed)



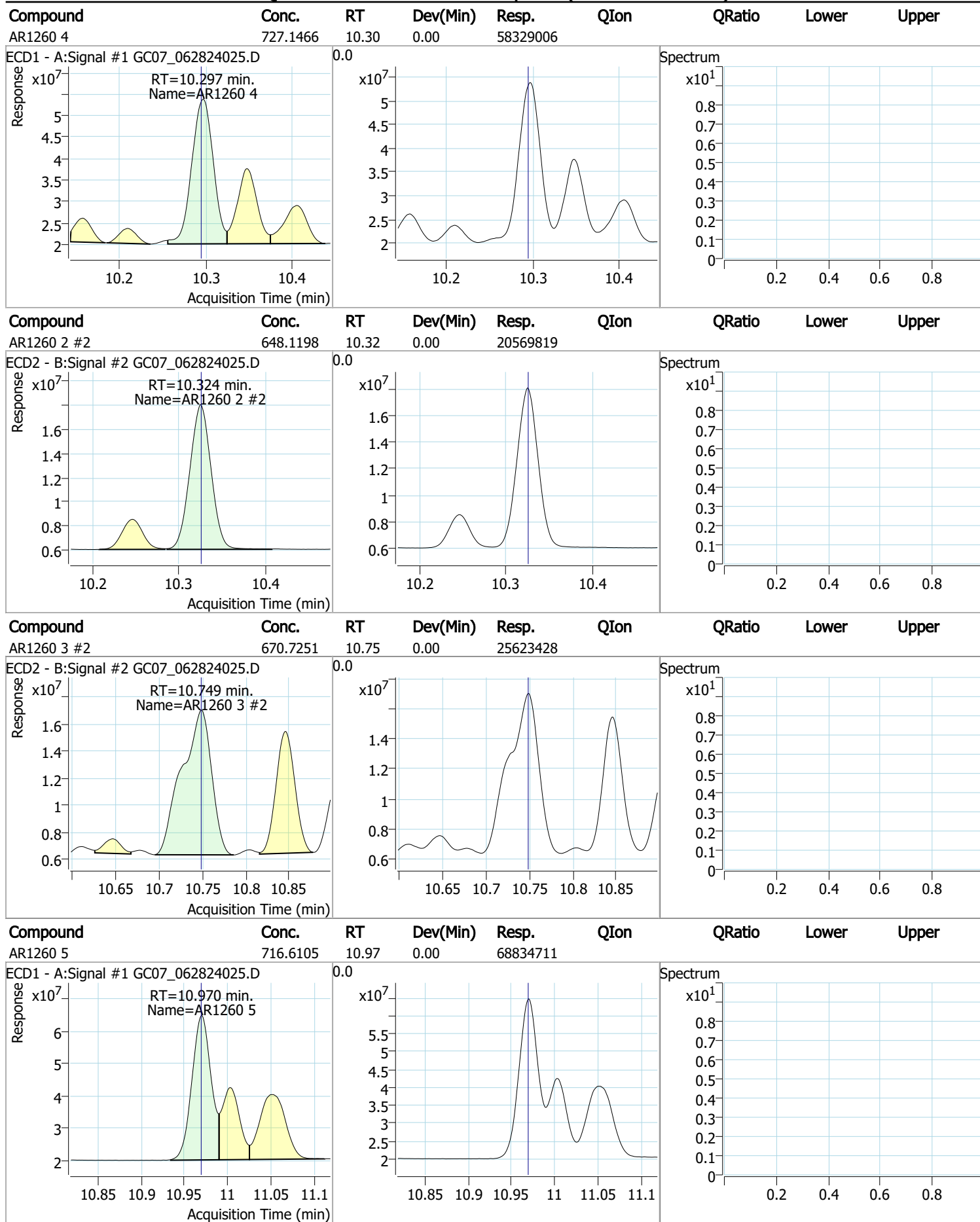
Quantitation Results Report (Not Reviewed)



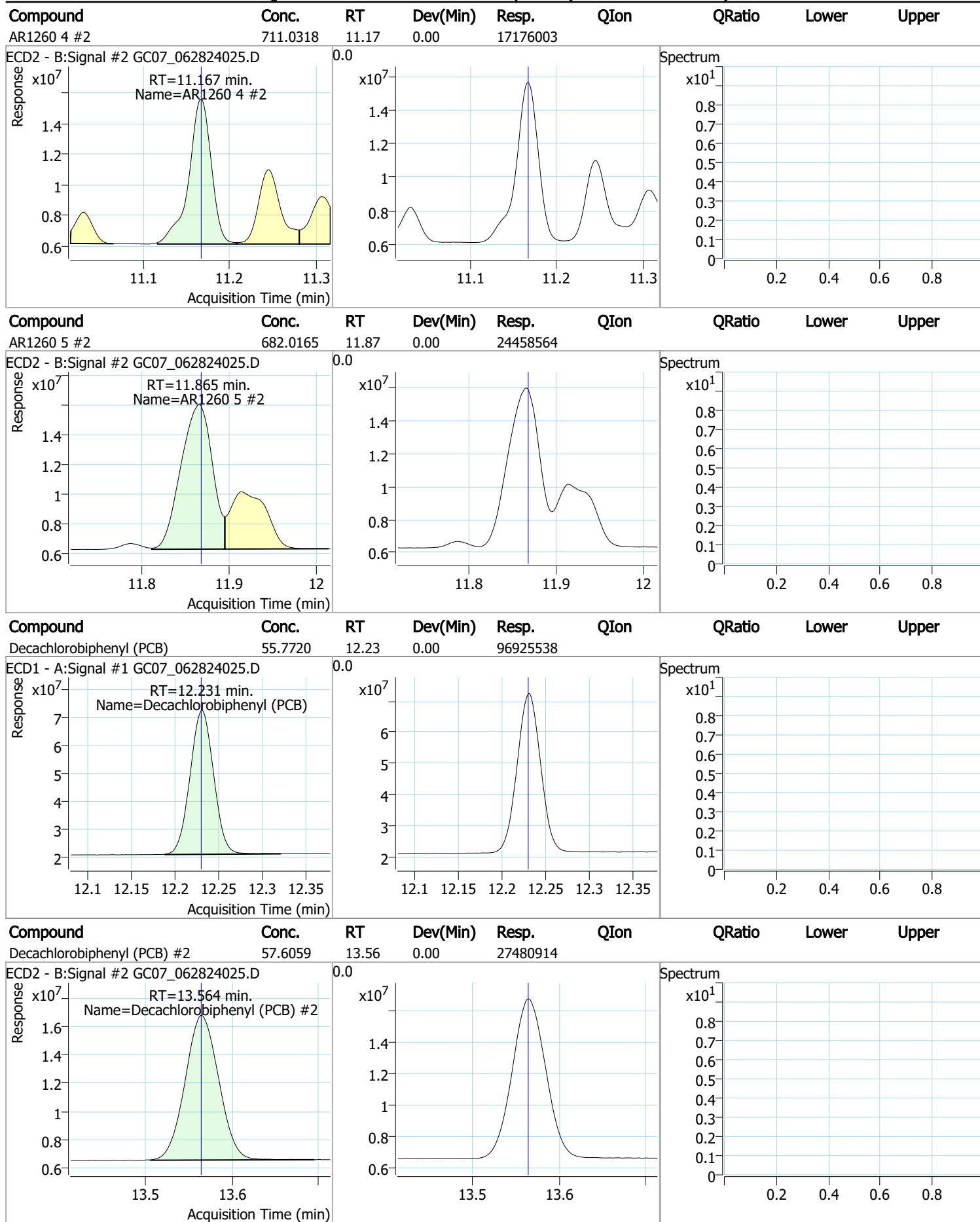
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

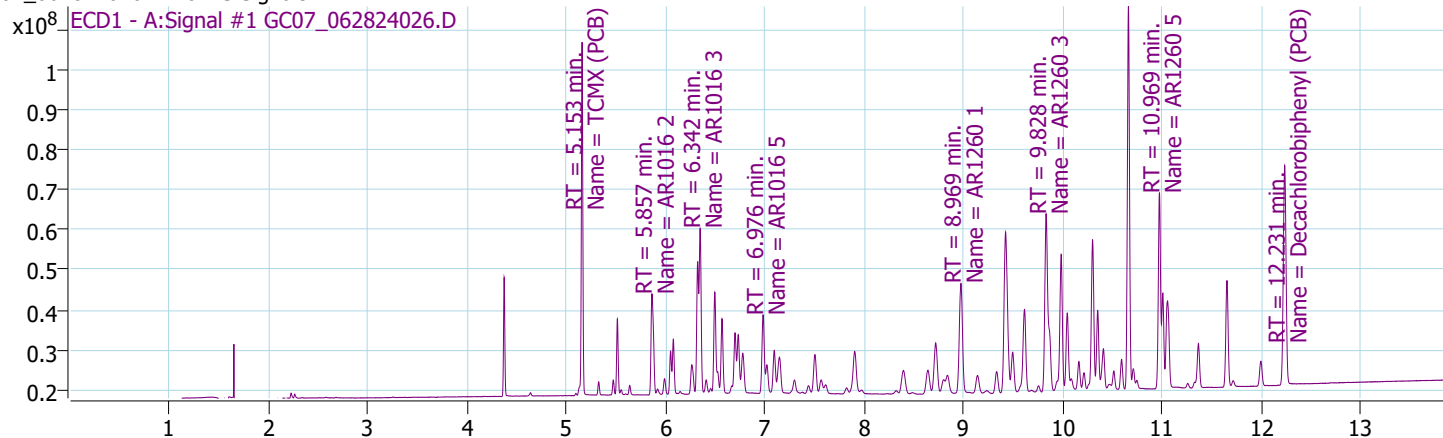


Quantitation Results Report (Not Reviewed)

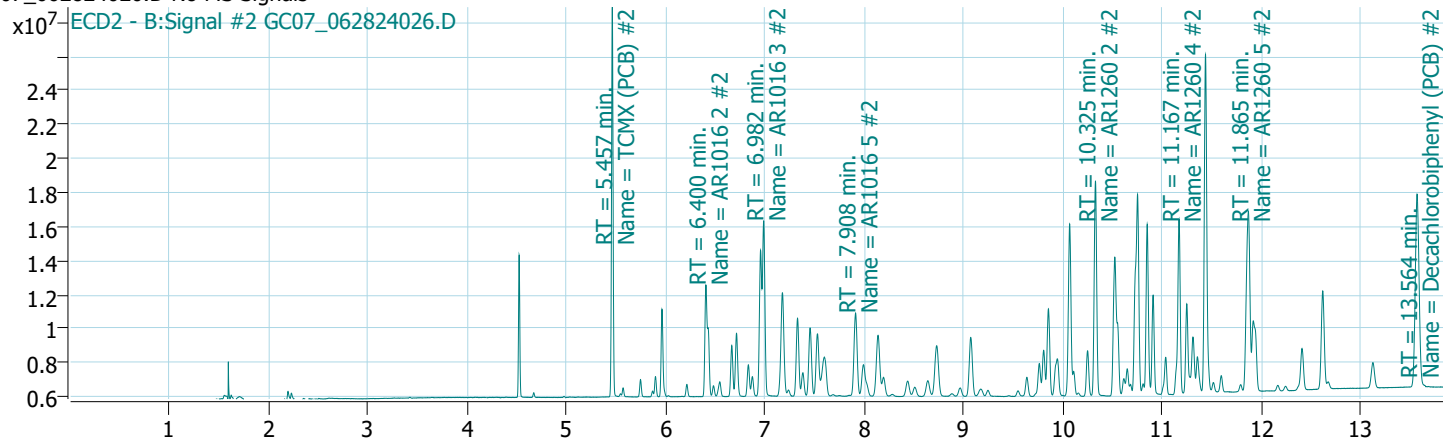
Data File GC07_062824026.D
 Acq. Method Acq_Pesticide_052623_4
 Sample Name ICAL, S20889
 Vial 17
 DA Method File PCB_608_062824_GC07_01.m
 Tune File ATUNE.U
 Batch Name 062824-PCB-ICAL.batch.bin
 Ref Library

Operator SVOA
 Acq. Date-Time 6/28/2024 2:48:13 PM
 Instrument SVOA-GC07
 Multiplier 1.00
 Comment 1000 PPB PCB ICAL
 Tune Date
 Last Calib Update 6/28/2024 6:59:17 PM

GC07_062824026.D No MS Signals



GC07_062824026.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	27017088.2 41	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7490916.32 4	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	90492602.6 17	71.5018	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 357.51%	*	
S TCMX (PCB) #2	5.457	0.0	25164397.5 60	70.0370	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.18%	*	
S Decachlorobiphenyl (PCB)	12.231	0.0	106879257. 653	71.7518	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 358.76%	*	
S Decachlorobiphenyl (PCB) #2	13.564	0.0	30482147.1 08	74.4867	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.43%	*	

Target Compounds

QValue

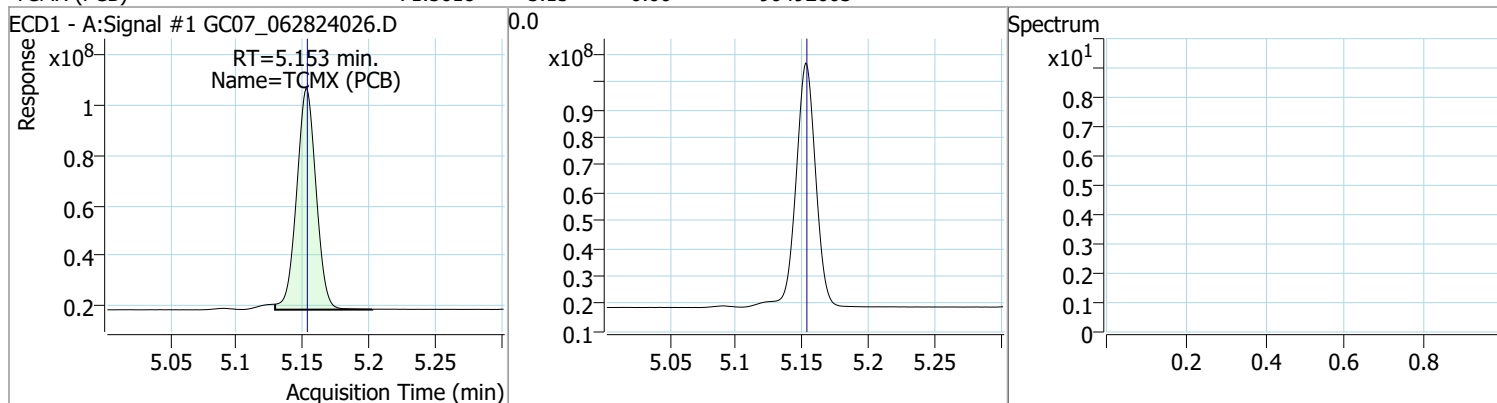
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	20817931.5 70	881.5366	ng/ml	100
T AR1016 2	5.857	0.0	44008986.0 93	897.0589	ng/ml	100
T AR1016 1 #2	5.958	0.0	6783093.23 0	857.6084	ng/ml	100
T AR1016 3	6.342	0.0	58055063.4 41	943.2282	ng/ml	100
T AR1016 2 #2	6.400	0.0	14433160.3 59	883.2391	ng/ml	100
T AR1016 4	6.490	0.0	36860975.8 14	897.9318	ng/ml m	100
T AR1016 5	6.976	0.0	32670578.0 49	905.4024	ng/ml	100
T AR1016 3 #2	6.982	0.0	17619837.4 90	864.5339	ng/ml	100
T AR1016 4 #2	7.171	0.0	13022775.8 78	864.3743	ng/ml	100
T AR1016 5 #2	7.908	0.0	10783865.2 35	884.9935	ng/ml	100
T AR1260 1	8.969	0.0	62257475.2 80	860.2643	ng/ml	100
T AR1260 2	9.419	0.0	96574670.3 27	873.7408	ng/ml	100
T AR1260 3	9.828	0.0	107868556. 250	907.0323	ng/ml m	100
T AR1260 1 #2	10.064	0.0	18562011.1 07	856.5031	ng/ml	100
T AR1260 4	10.295	0.0	63669929.4 07	926.0476	ng/ml	100
T AR1260 2 #2	10.325	0.0	22137646.9 49	813.1181	ng/ml	100
T AR1260 3 #2	10.748	0.0	27748156.3 89	846.7180	ng/ml	100
T AR1260 5	10.969	0.0	76175016.7 81	925.2302	ng/ml	100
T AR1260 4 #2	11.167	0.0	18498356.4 29	892.6833	ng/ml	100
T AR1260 5 #2	11.865	0.0	26651576.0 06	866.3316	ng/ml	100

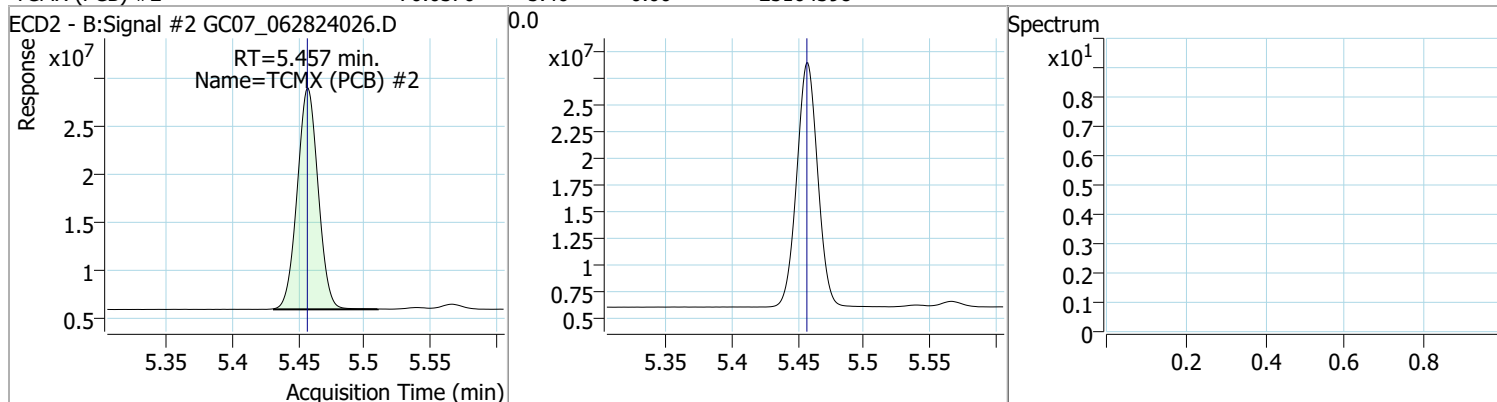
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

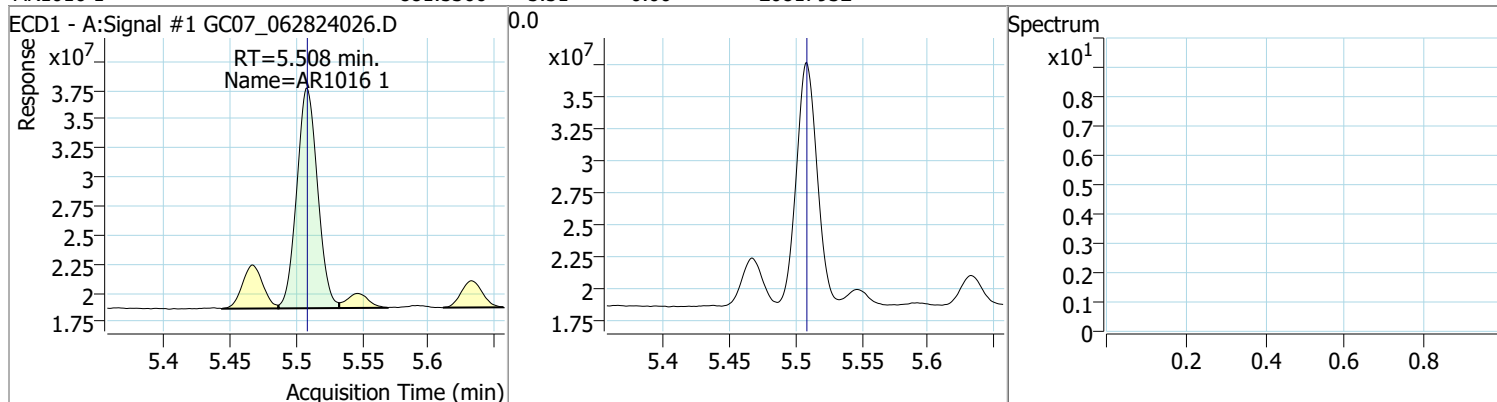
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	71.5018	5.15	0.00	90492603				



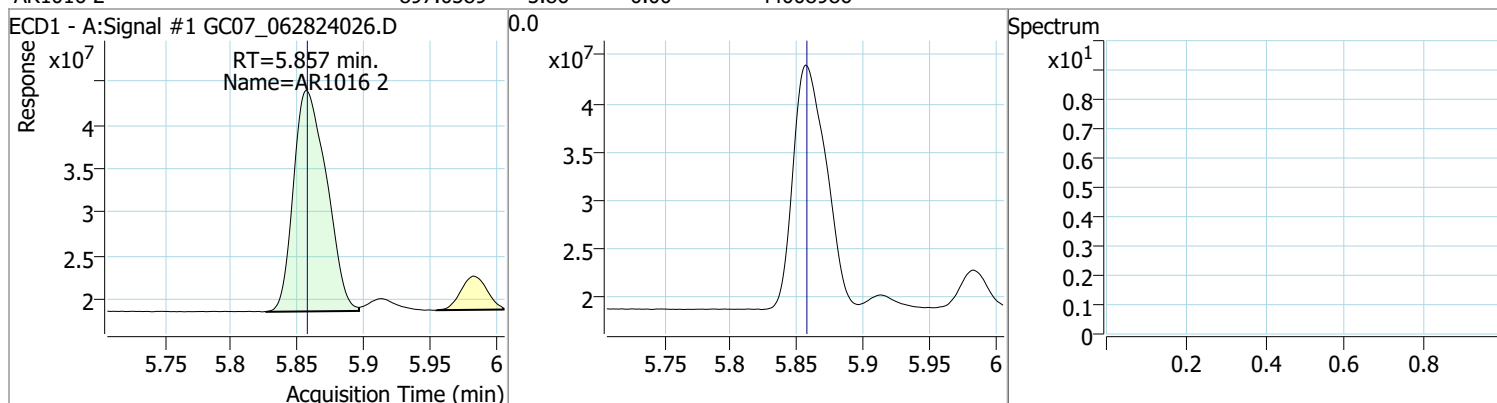
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	70.0370	5.46	0.00	25164398				



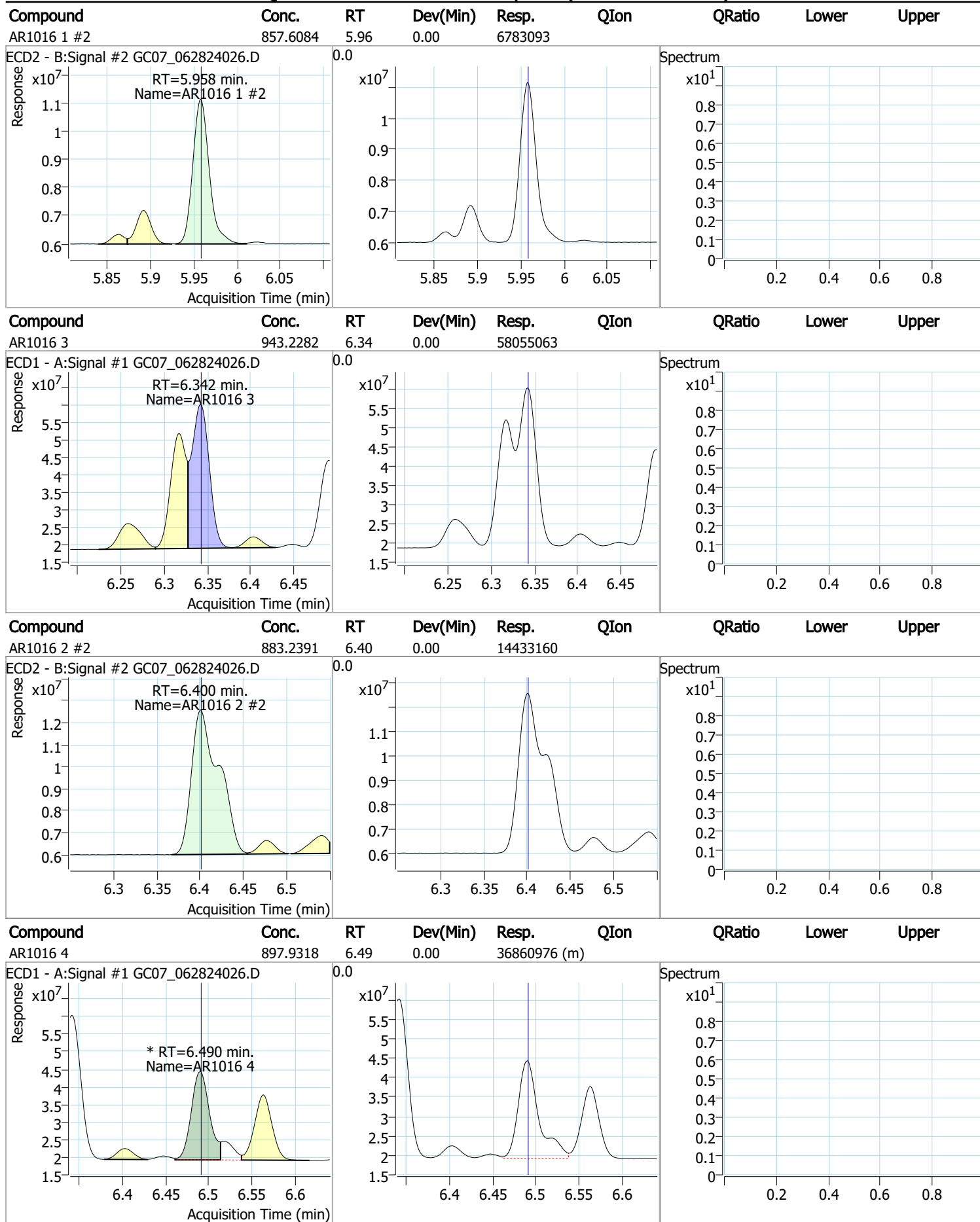
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	881.5366	5.51	0.00	20817932				



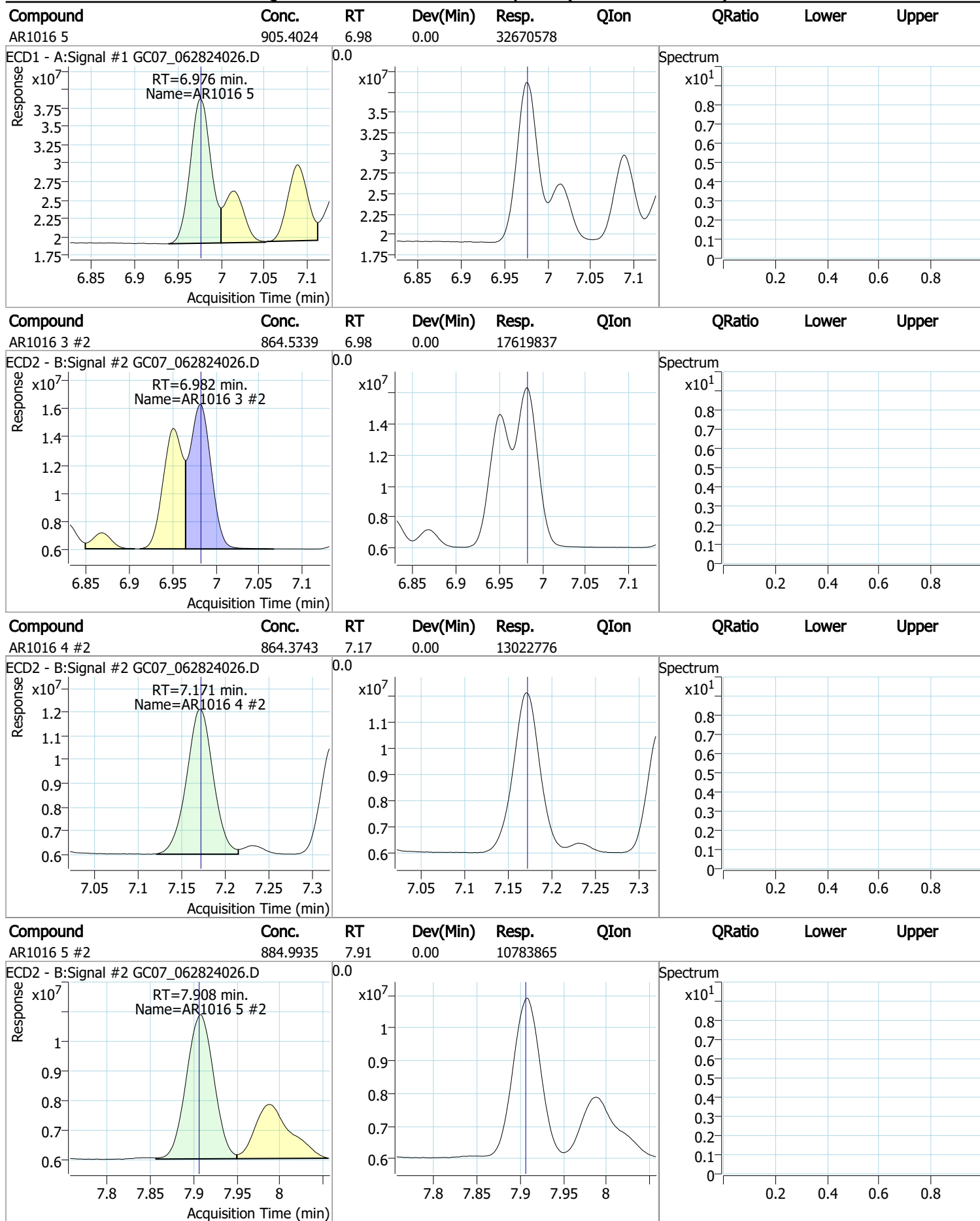
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	897.0589	5.86	0.00	44008986				



Quantitation Results Report (Not Reviewed)

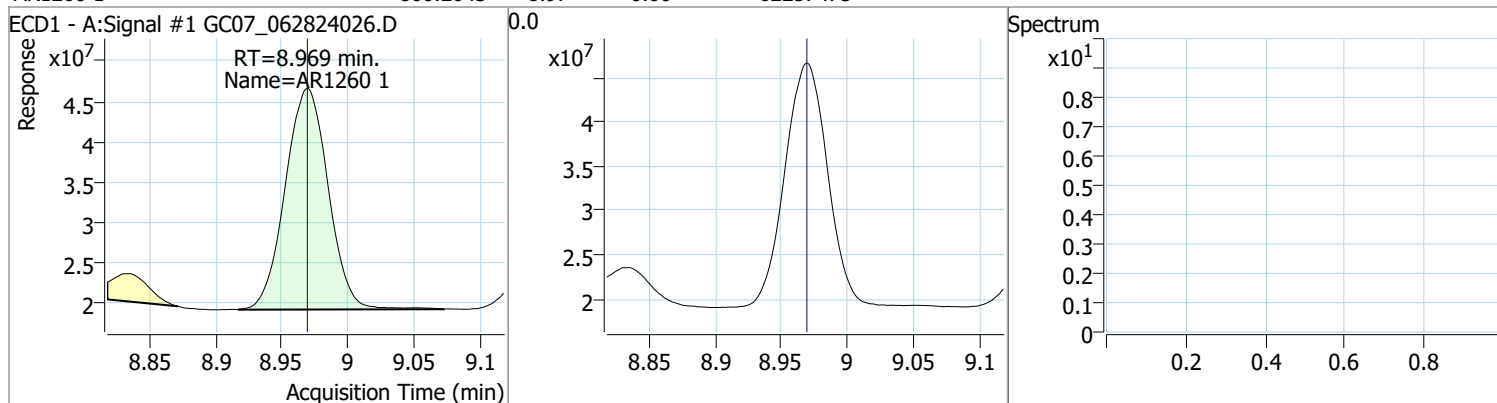


Quantitation Results Report (Not Reviewed)

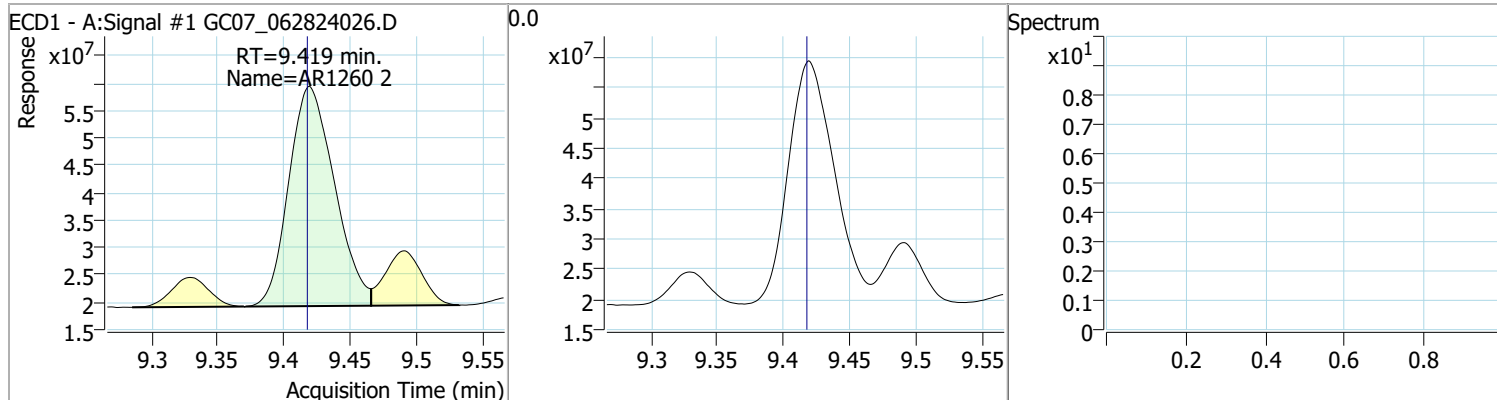


Quantitation Results Report (Not Reviewed)

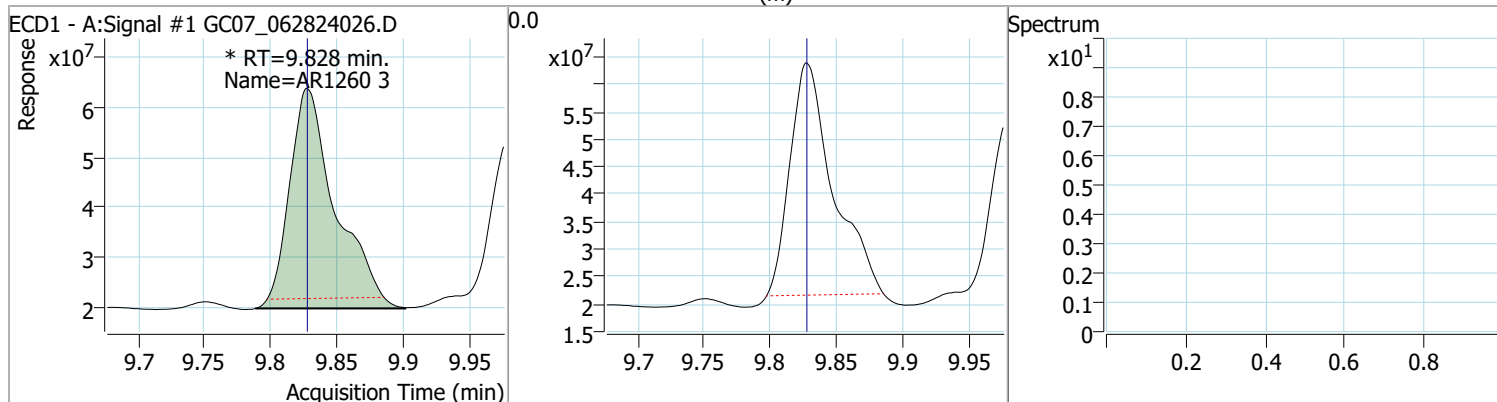
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	860.2643	8.97	0.00	62257475				



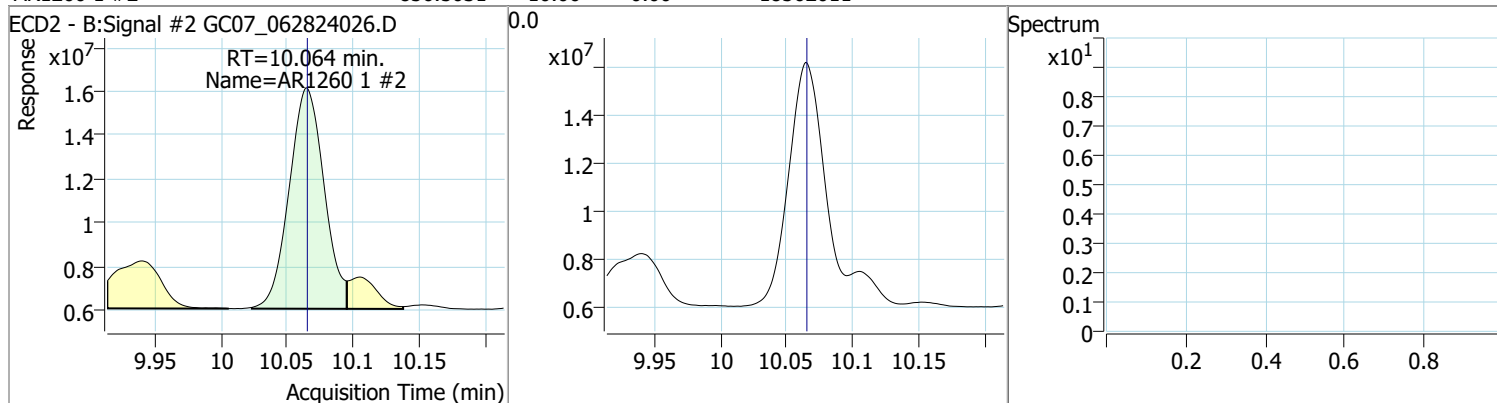
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	873.7408	9.42	0.00	96574670				



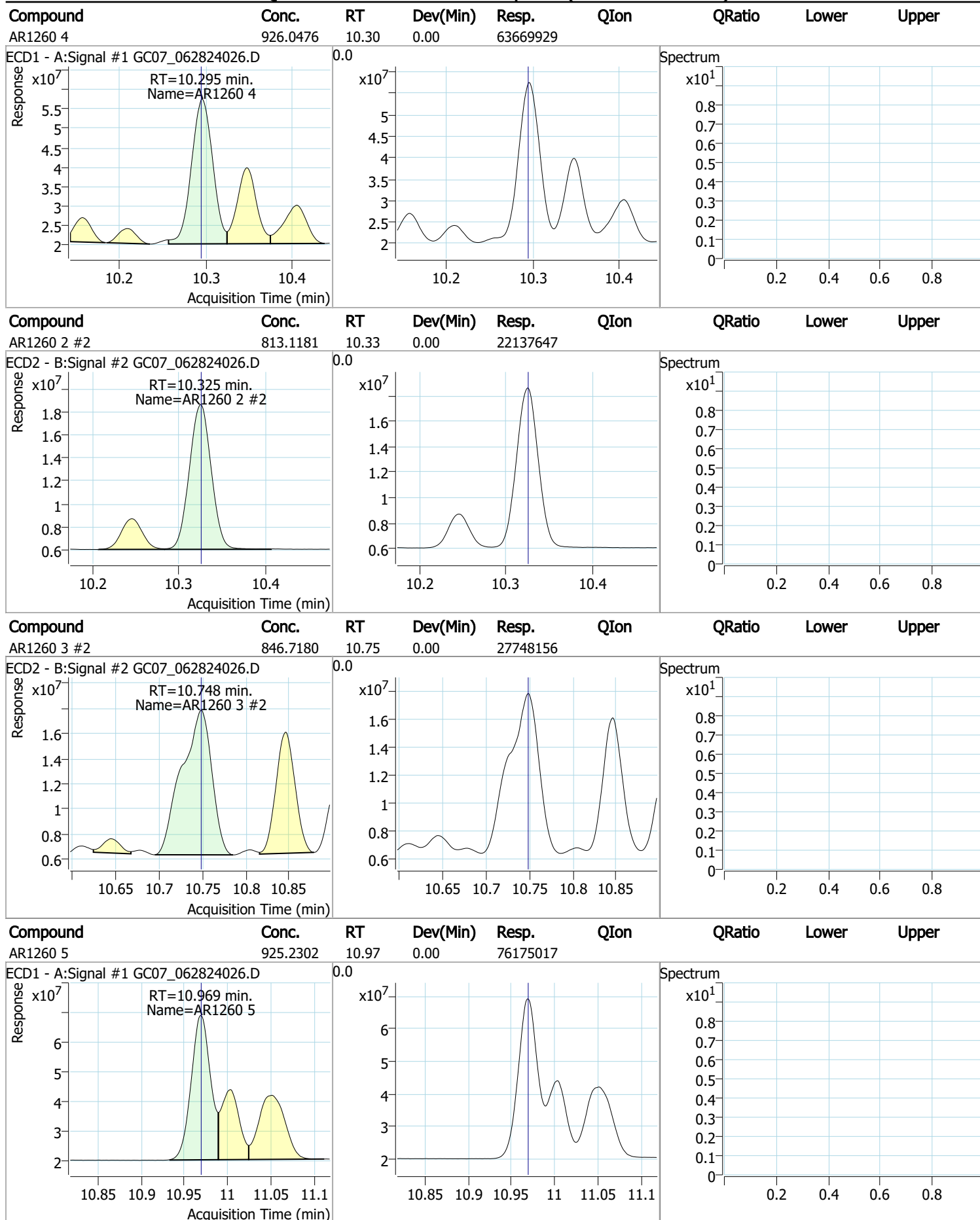
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	907.0323	9.83	0.00	107868556 (m)				



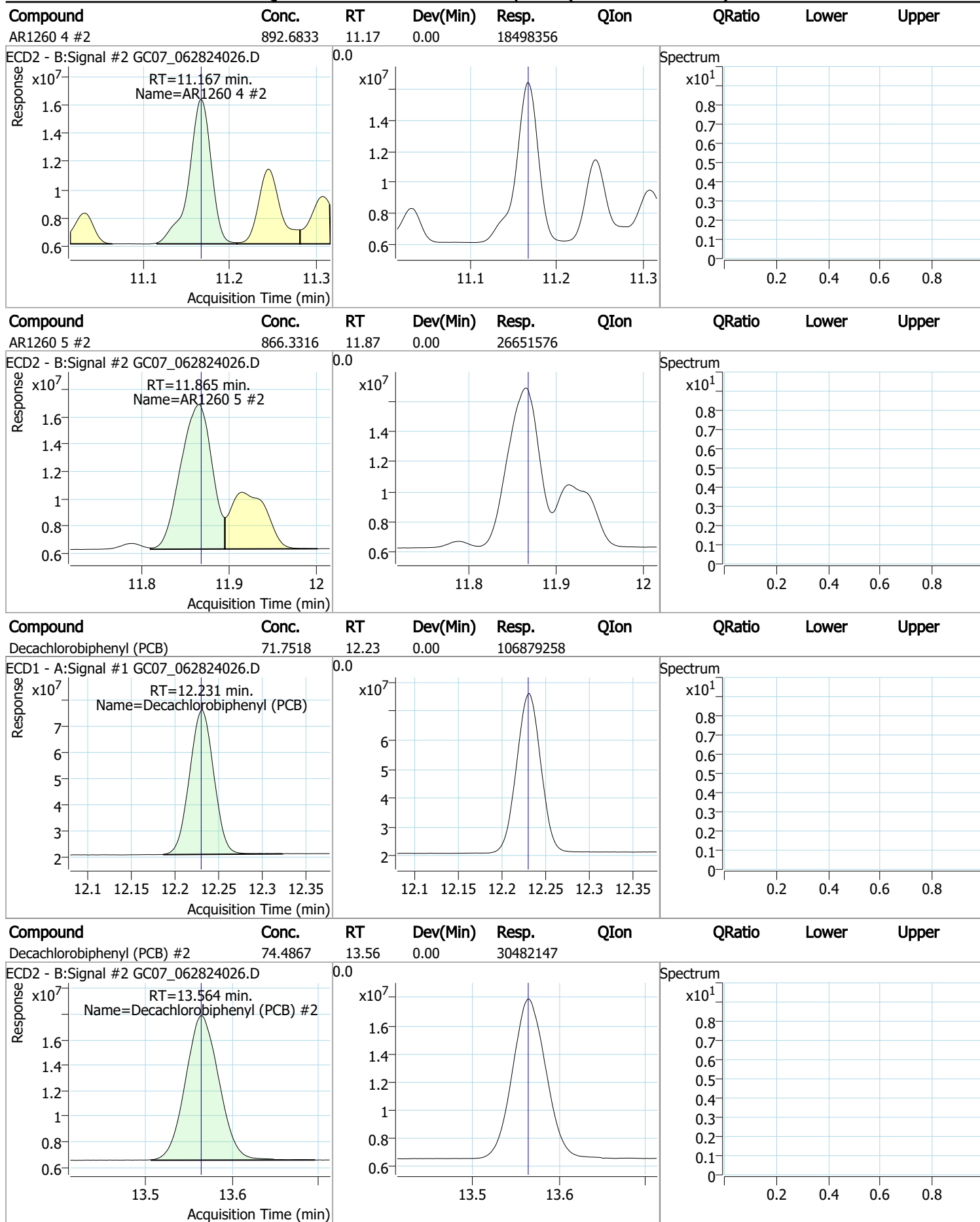
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	856.5031	10.06	0.00	18562011				



Quantitation Results Report (Not Reviewed)



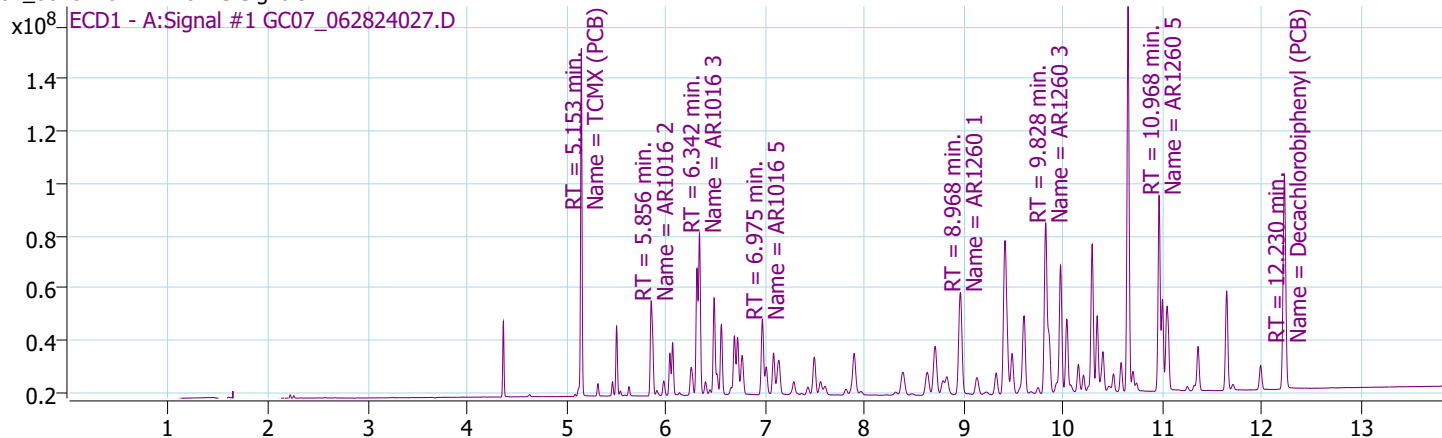
Quantitation Results Report (Not Reviewed)



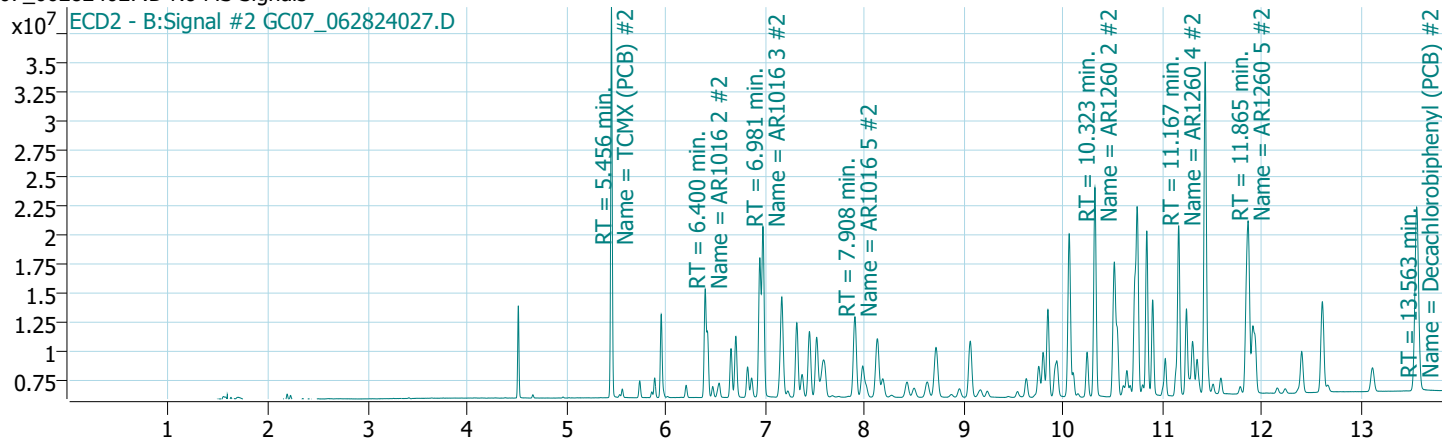
Quantitation Results Report (Not Reviewed)

Data File	GC07_062824027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:05:33 PM
Sample Name	ICAL, S20890	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_062824027.D No MS Signals



GC07_062824027.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	26211711.2 19	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	7294805.70 1	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	135681797. 289	110.5015	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 552.51%	*	
S TCMX (PCB) #2	5.456	0.0	36723935.0 35	104.9569	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 524.78%	*	
S Decachlorobiphenyl (PCB)	12.230	0.0	155357729. 375	107.5017	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 537.51%	*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	42099380.5 79	105.6404	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.20%	*	

Target Compounds

QValue

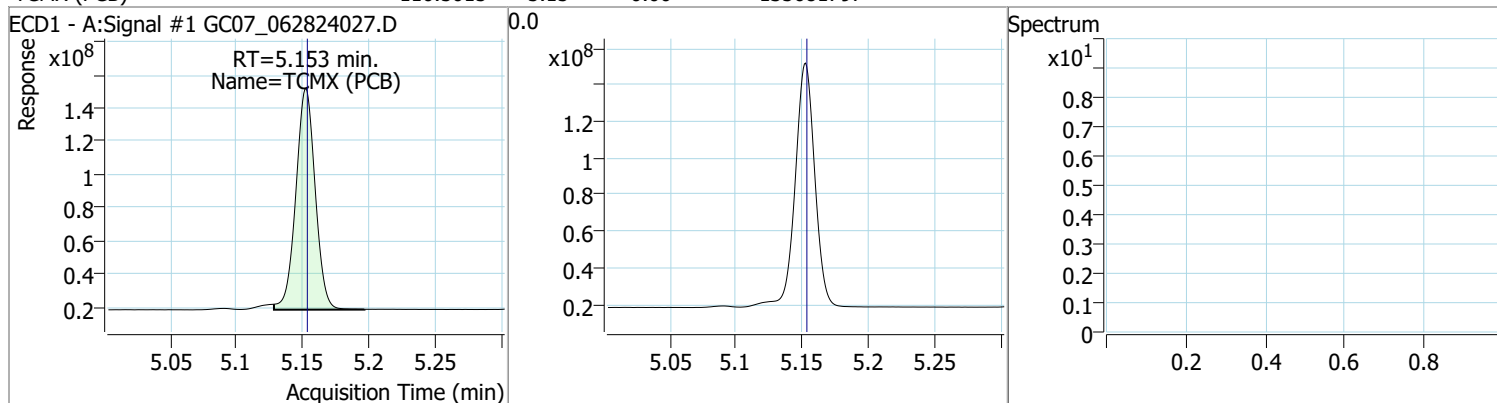
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	30104761.4 62	1313.9569	ng/ml	100
T AR1016 2	5.856	0.0	63081832.4 76	1325.3393	ng/ml	100
T AR1016 1 #2	5.957	0.0	9574280.61 7	1243.0500	ng/ml	100
T AR1016 3	6.342	0.0	85766826.8 01	1436.2802	ng/ml	100
T AR1016 2 #2	6.400	0.0	20333722.0 83	1277.7767	ng/ml	100
T AR1016 4	6.489	0.0	53404058.9 41	1340.8925	ng/ml m	100
T AR1016 5	6.975	0.0	47712618.7 99	1362.8914	ng/ml	100
T AR1016 3 #2	6.981	0.0	24950565.9 90	1257.1344	ng/ml	100
T AR1016 4 #2	7.171	0.0	18481664.7 33	1259.6810	ng/ml	100
T AR1016 5 #2	7.908	0.0	15343346.4 63	1293.0250	ng/ml	100
T AR1260 1	8.968	0.0	91727497.7 94	1306.4208	ng/ml	100
T AR1260 2	9.418	0.0	141892353. 087	1323.1879	ng/ml	100
T AR1260 3	9.828	0.0	160895089. 250	1394.4850	ng/ml m	100
T AR1260 1 #2	10.064	0.0	26442213.4 66	1252.9188	ng/ml	100
T AR1260 4	10.295	0.0	94070300.3 16	1410.2453	ng/ml	100
T AR1260 2 #2	10.323	0.0	31331561.1 57	1181.7495	ng/ml	100
T AR1260 3 #2	10.748	0.0	39486596.9 92	1237.3016	ng/ml	100
T AR1260 5	10.968	0.0	111423646. 768	1394.9472	ng/ml	100
T AR1260 4 #2	11.167	0.0	25930171.0 03	1284.9637	ng/ml	100
T AR1260 5 #2	11.865	0.0	37619666.2 49	1255.7334	ng/ml	100

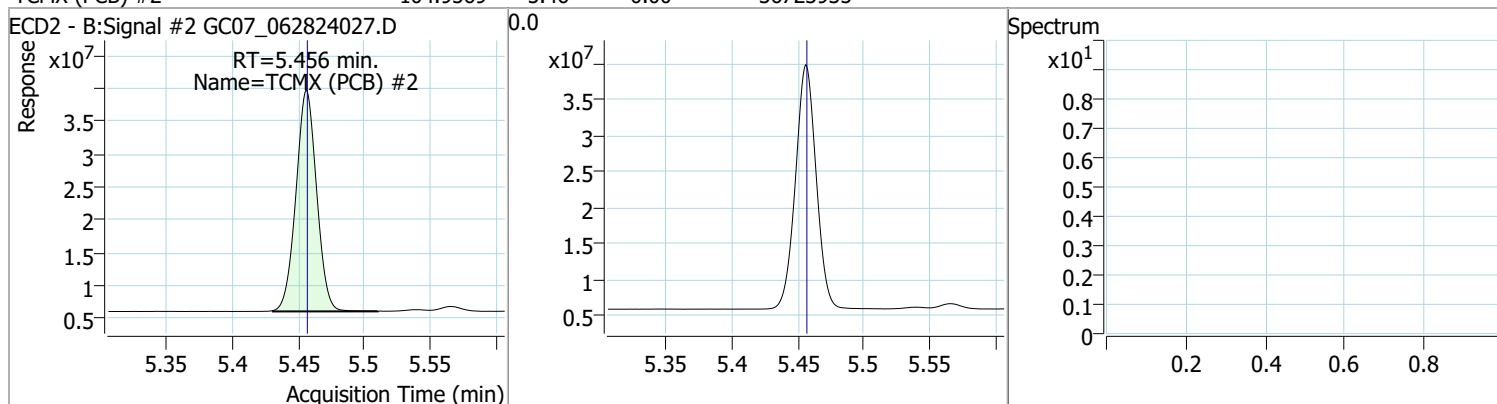
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

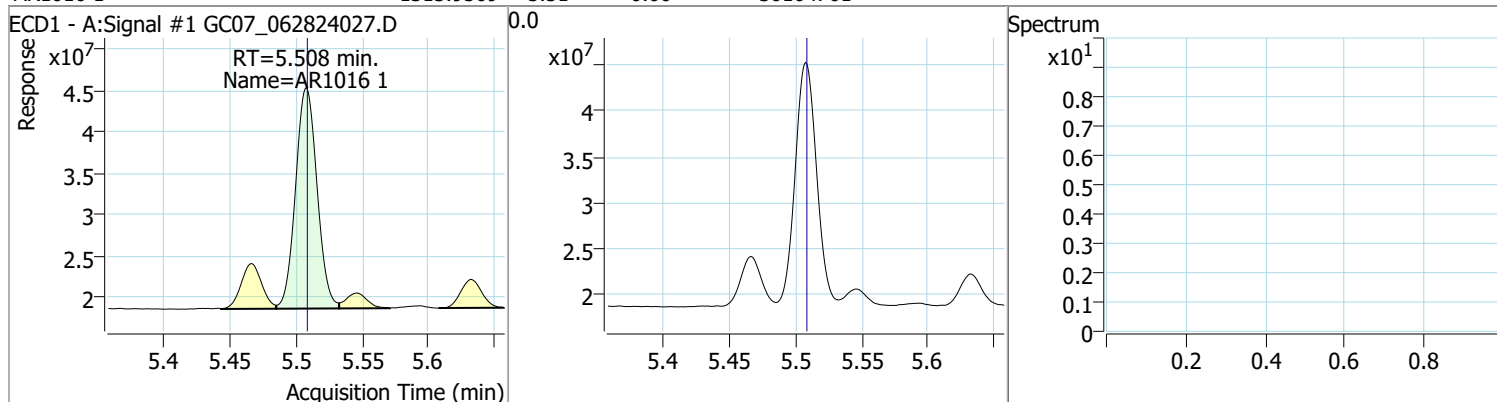
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	110.5015	5.15	0.00	135681797				



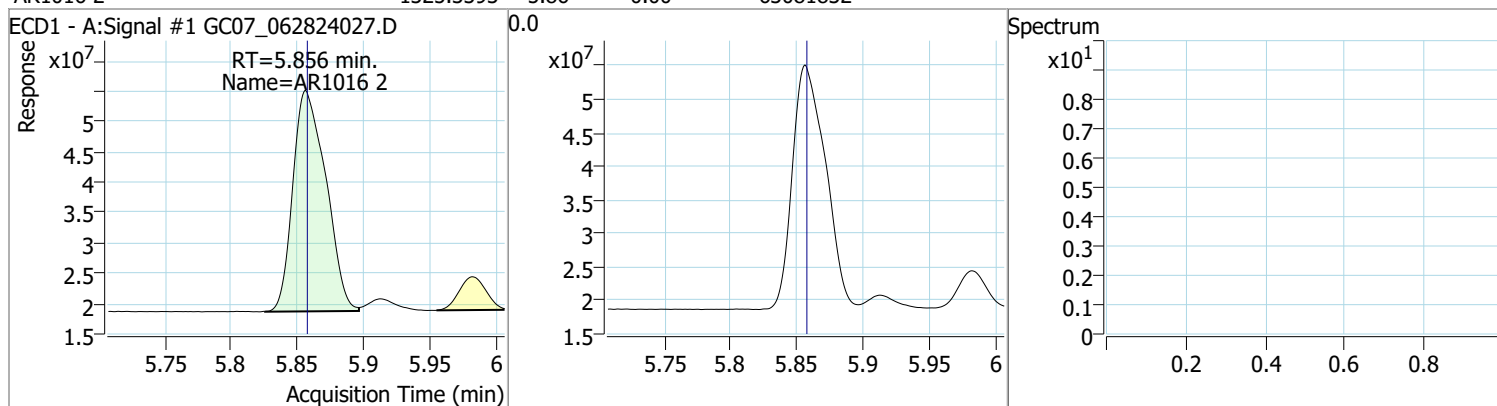
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	104.9569	5.46	0.00	36723935				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1313.9569	5.51	0.00	30104761				

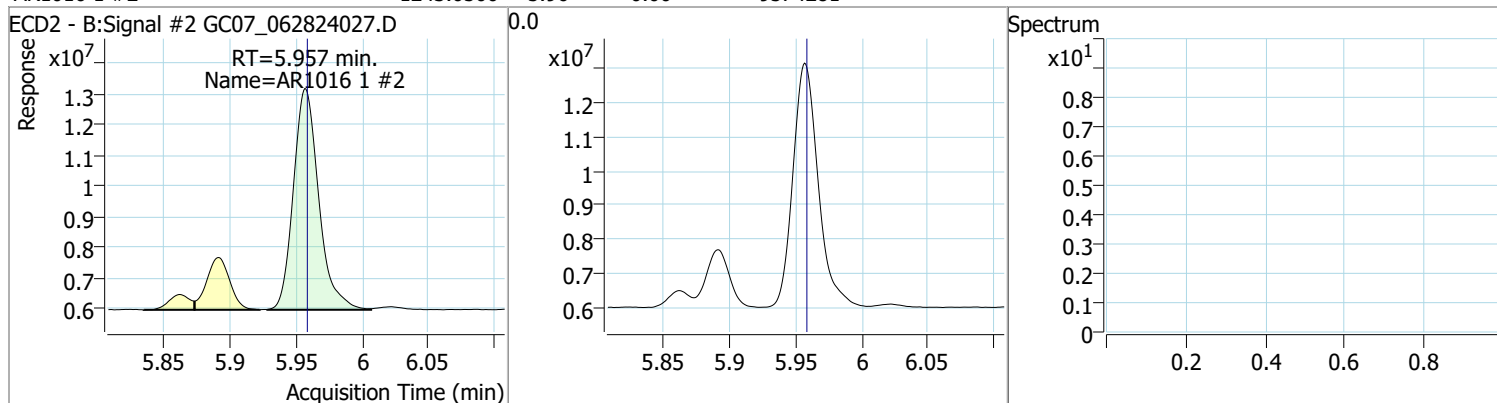


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1325.3393	5.86	0.00	63081832				

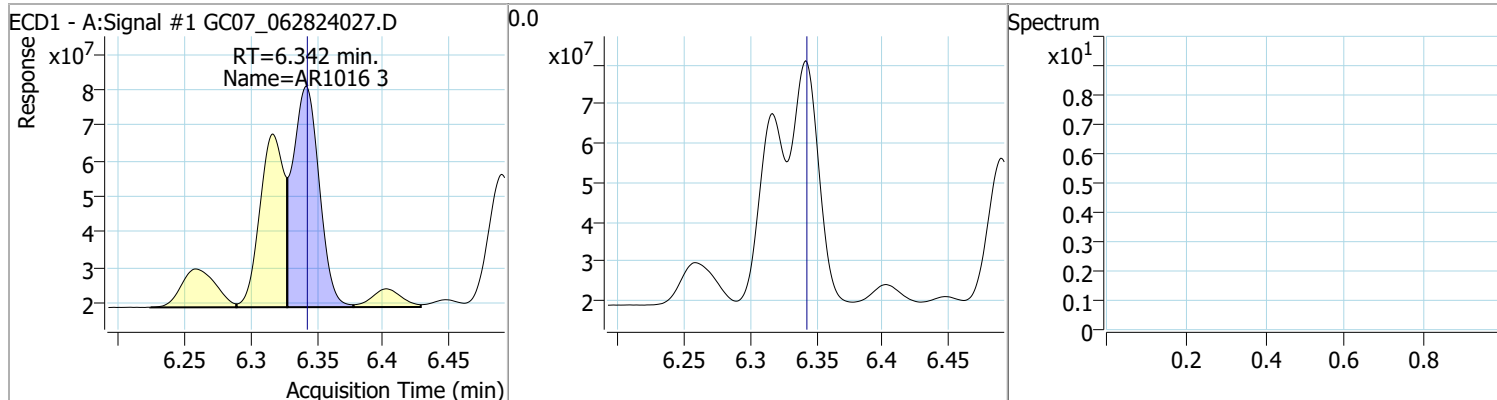


Quantitation Results Report (Not Reviewed)

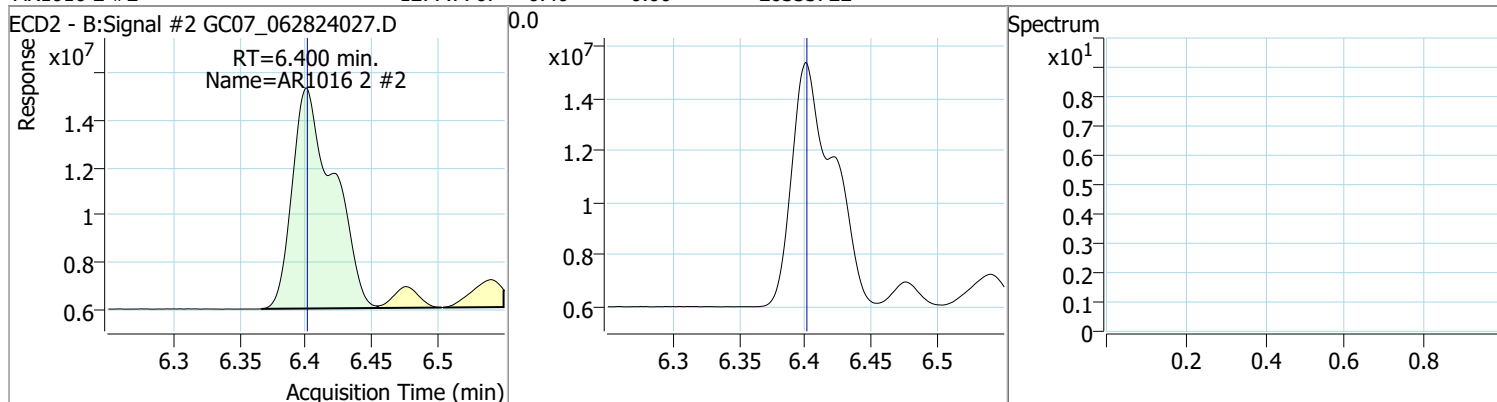
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1243.0500	5.96	0.00	9574281				



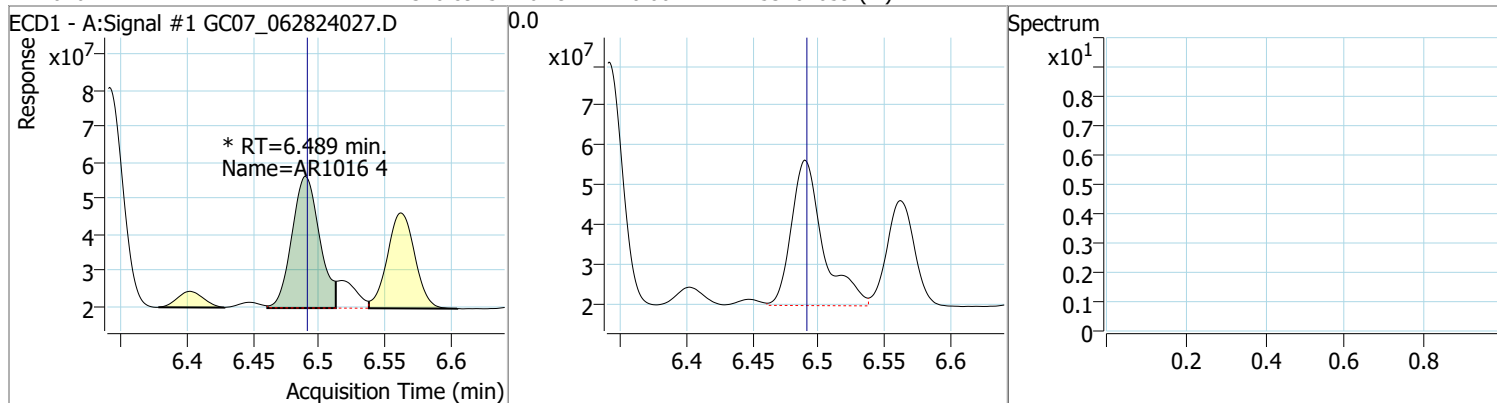
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1436.2802	6.34	0.00	85766827				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1277.7767	6.40	0.00	20333722				

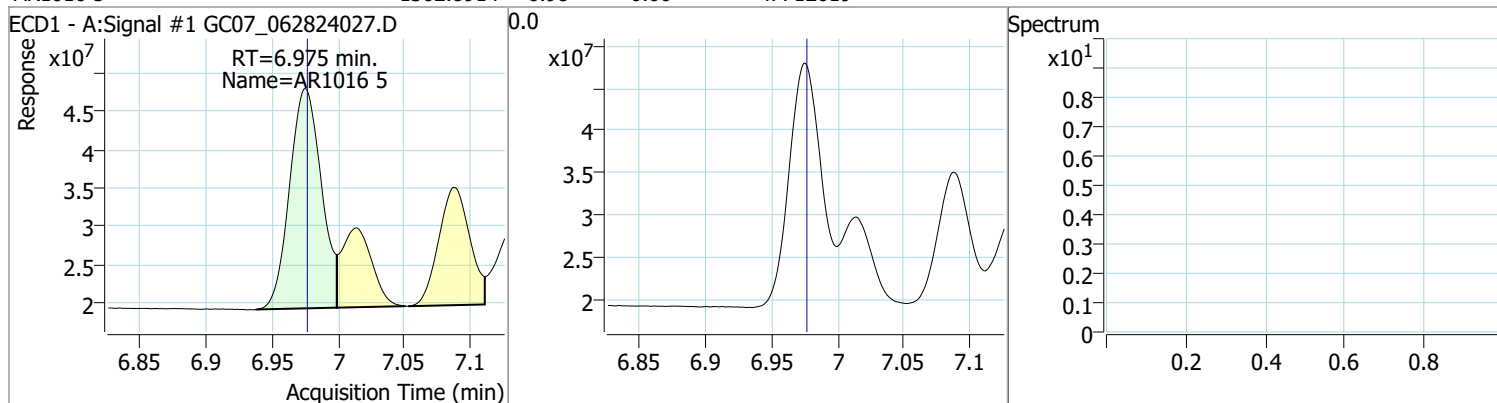


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1340.8925	6.49	0.00	53404059 (m)				

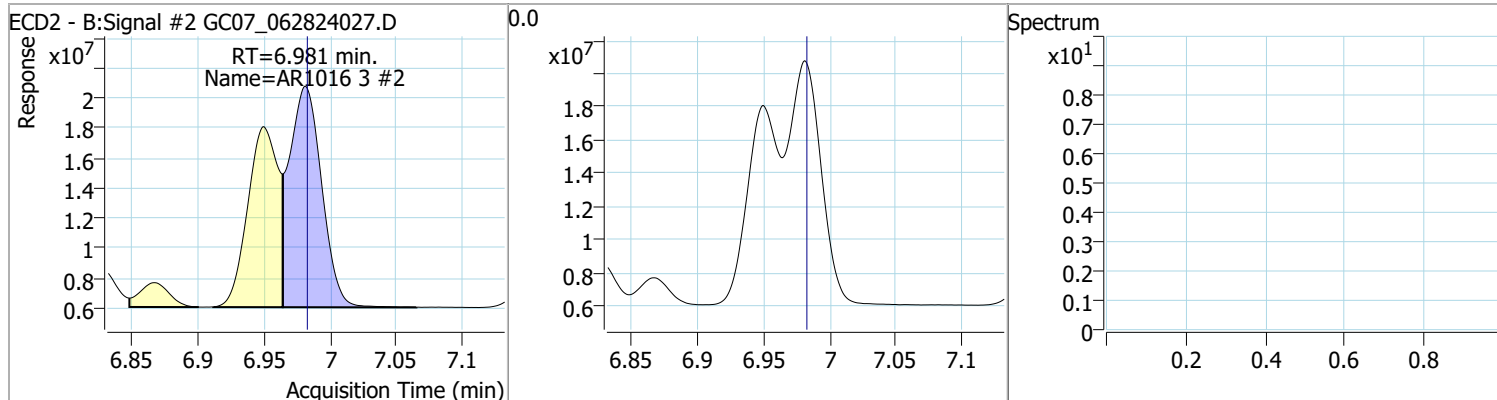


Quantitation Results Report (Not Reviewed)

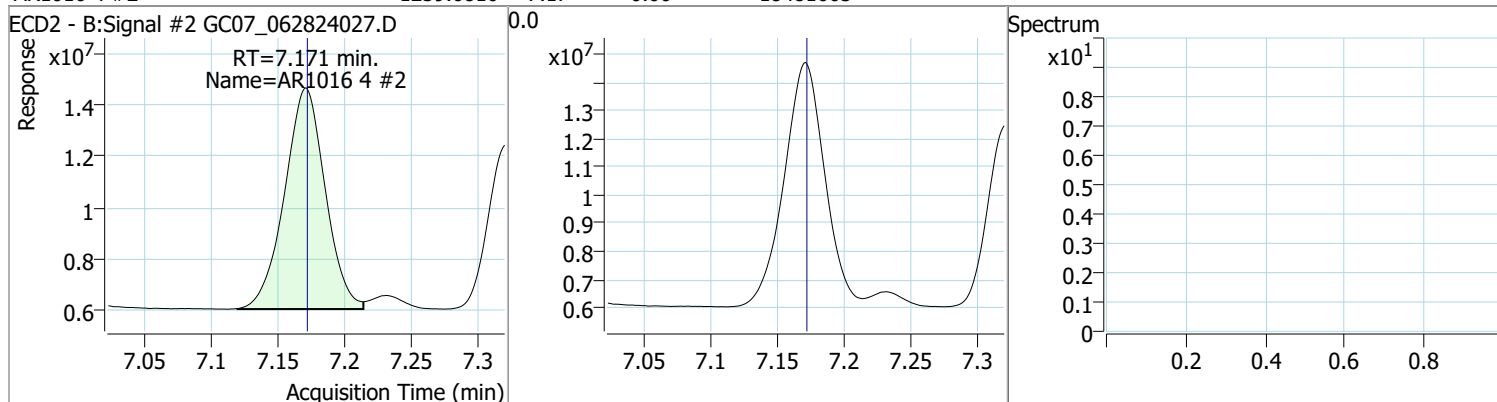
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1362.8914	6.98	0.00	47712619				



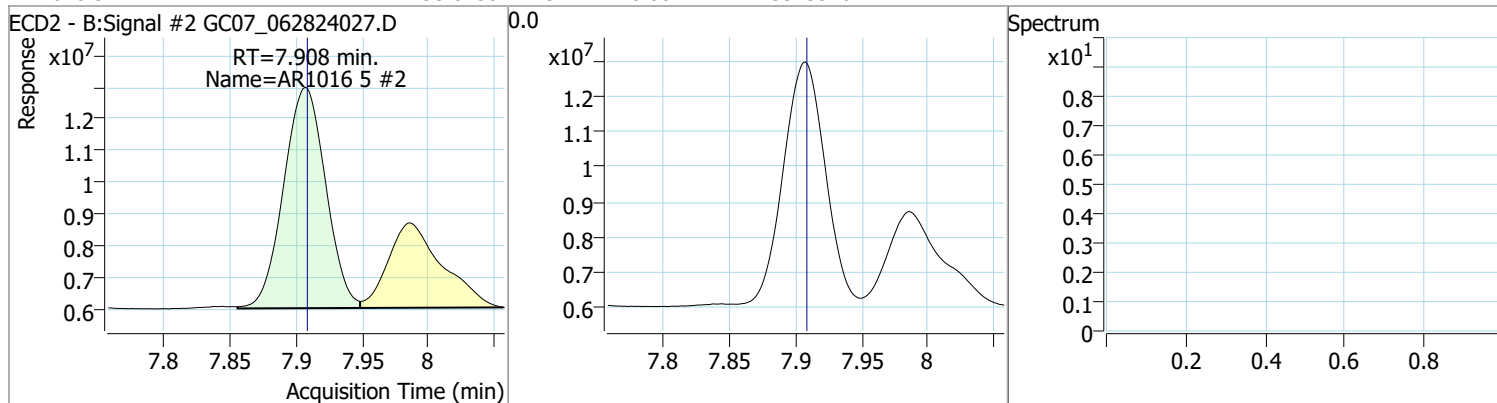
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1257.1344	6.98	0.00	24950566				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1259.6810	7.17	0.00	18481665				

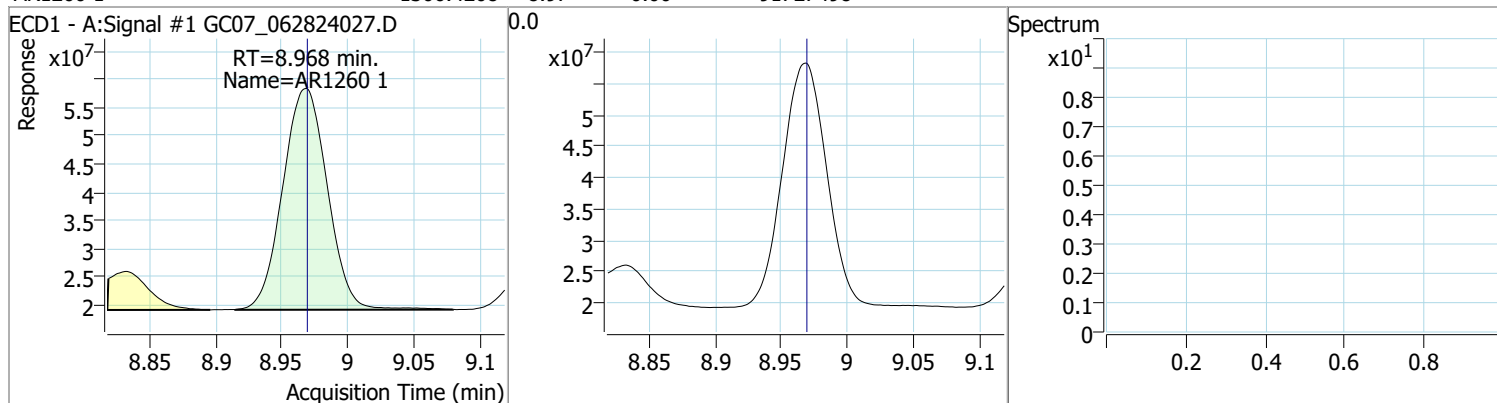


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1293.0250	7.91	0.00	15343346				

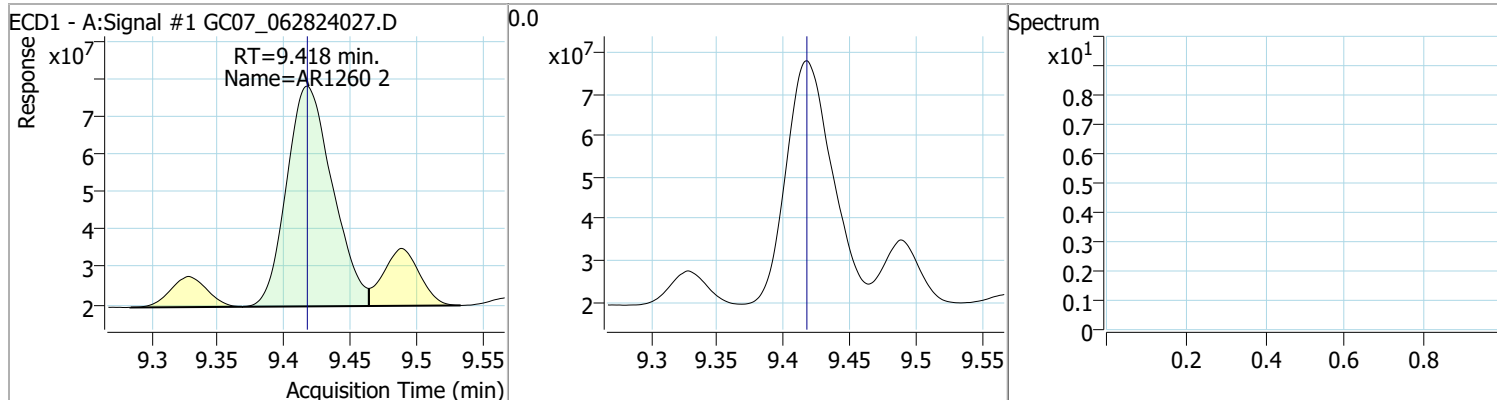


Quantitation Results Report (Not Reviewed)

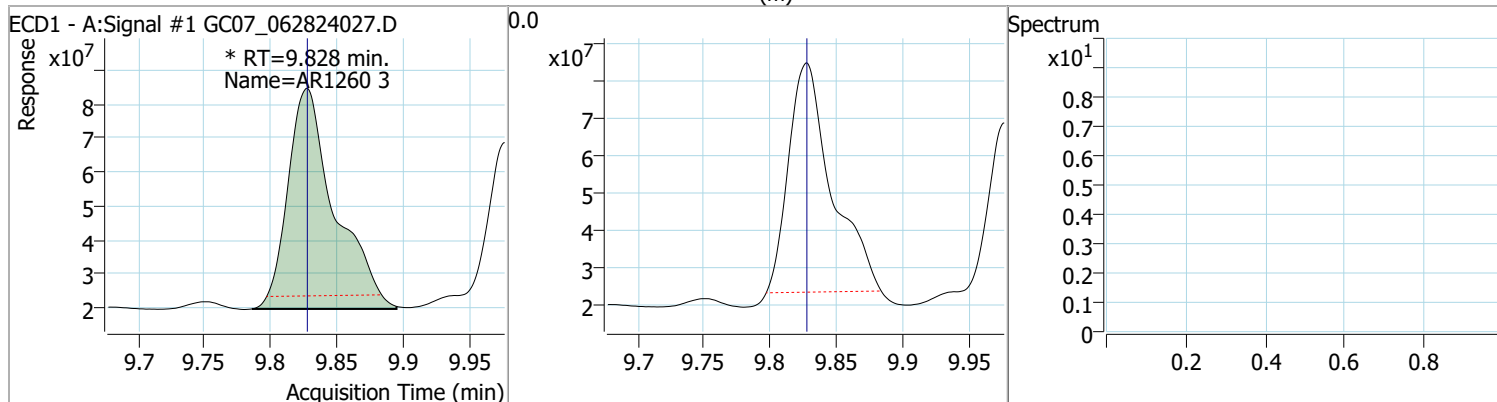
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1306.4208	8.97	0.00	91727498				



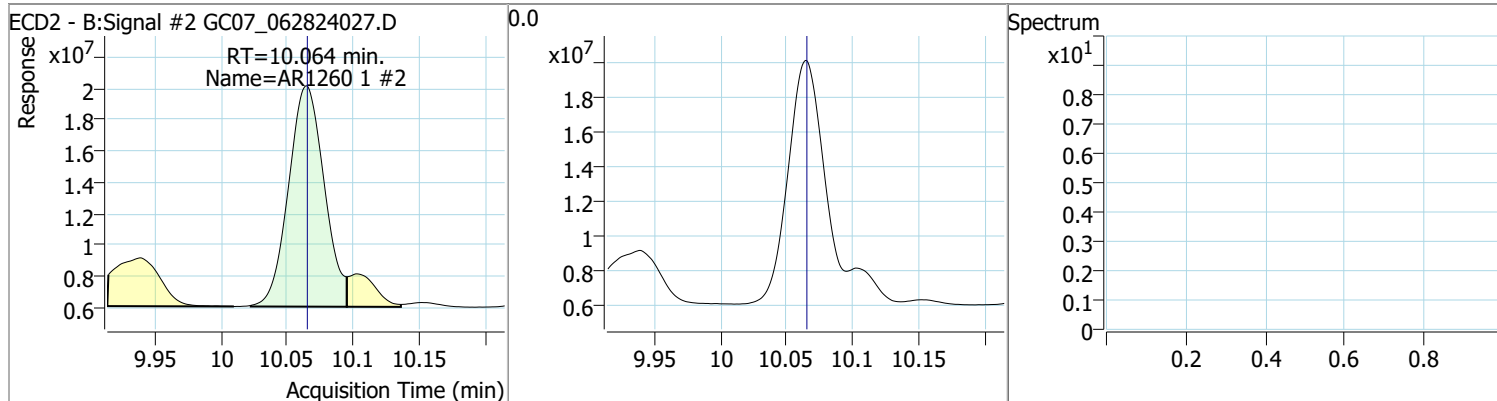
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1323.1879	9.42	0.00	141892353				



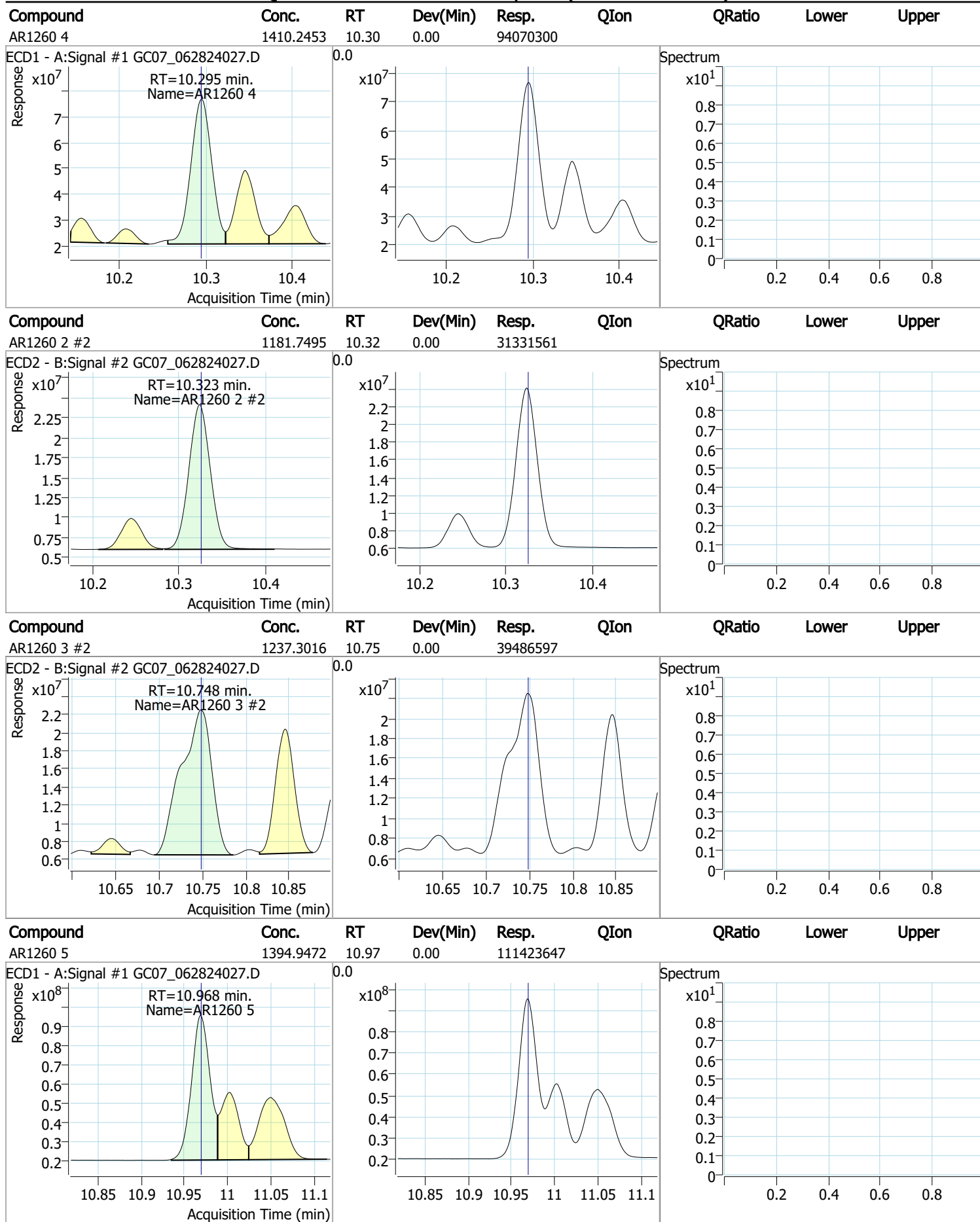
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1394.4850	9.83	0.00	160895089 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1252.9188	10.06	0.00	26442213				

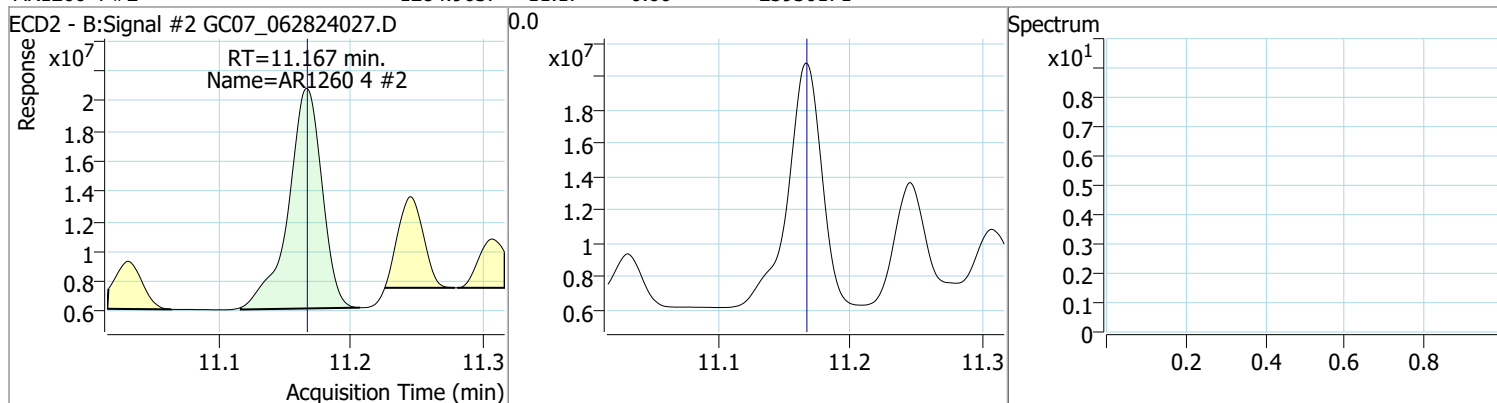


Quantitation Results Report (Not Reviewed)

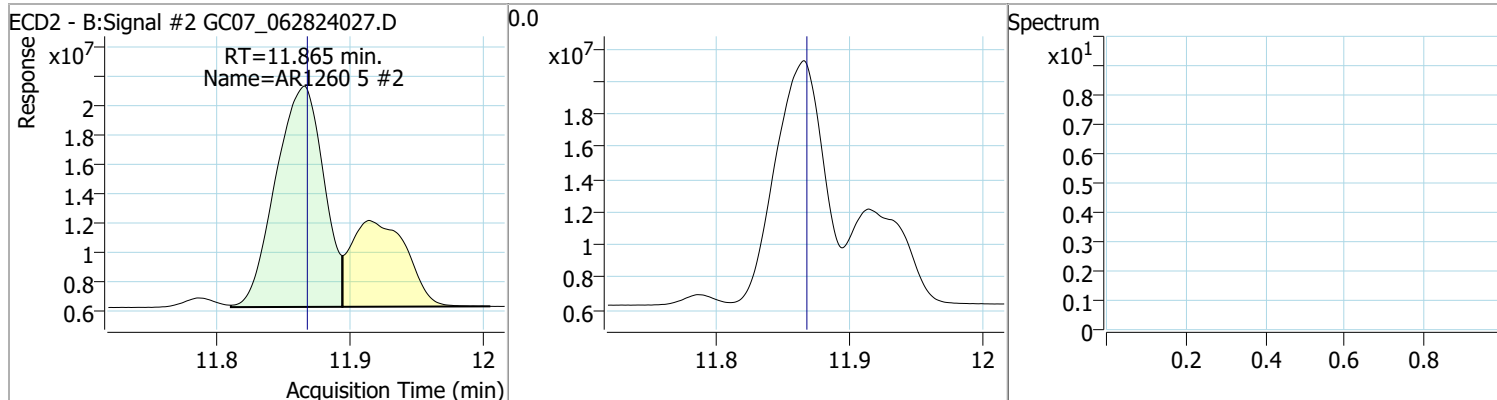


Quantitation Results Report (Not Reviewed)

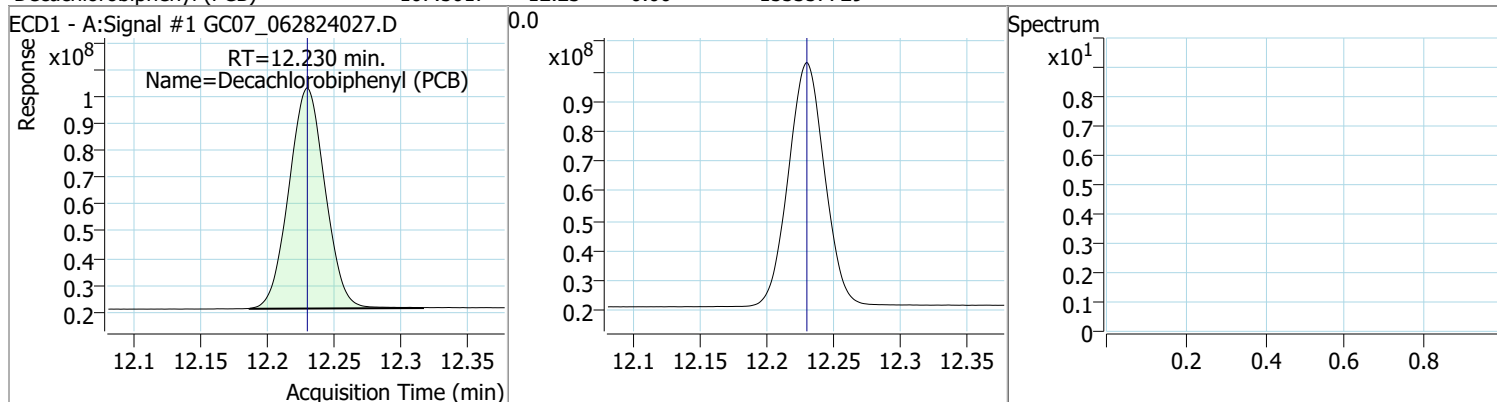
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1284.9637	11.17	0.00	25930171				



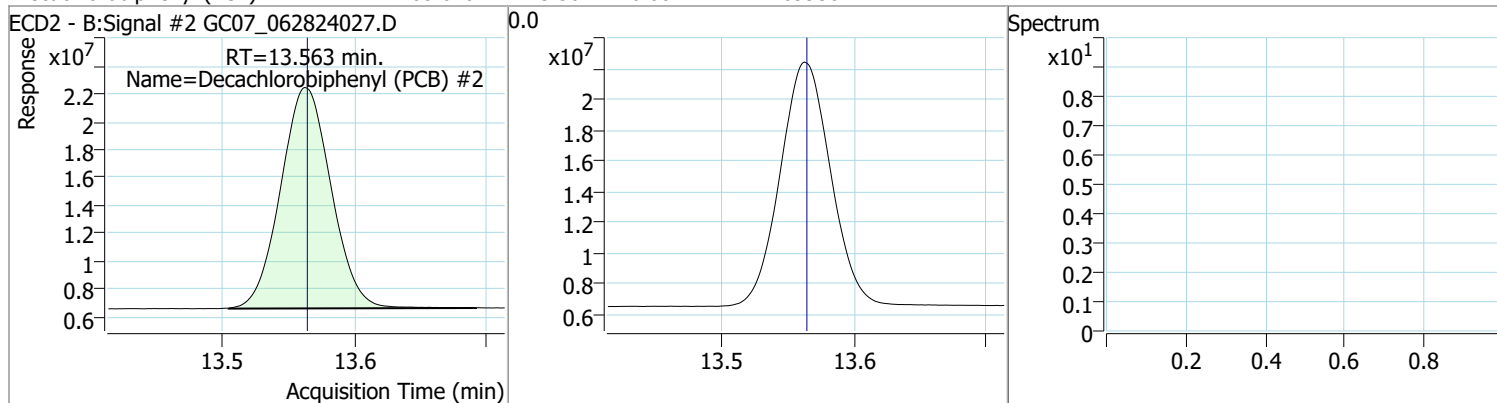
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1255.7334	11.87	0.00	37619666				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	107.5017	12.23	0.00	155357729				



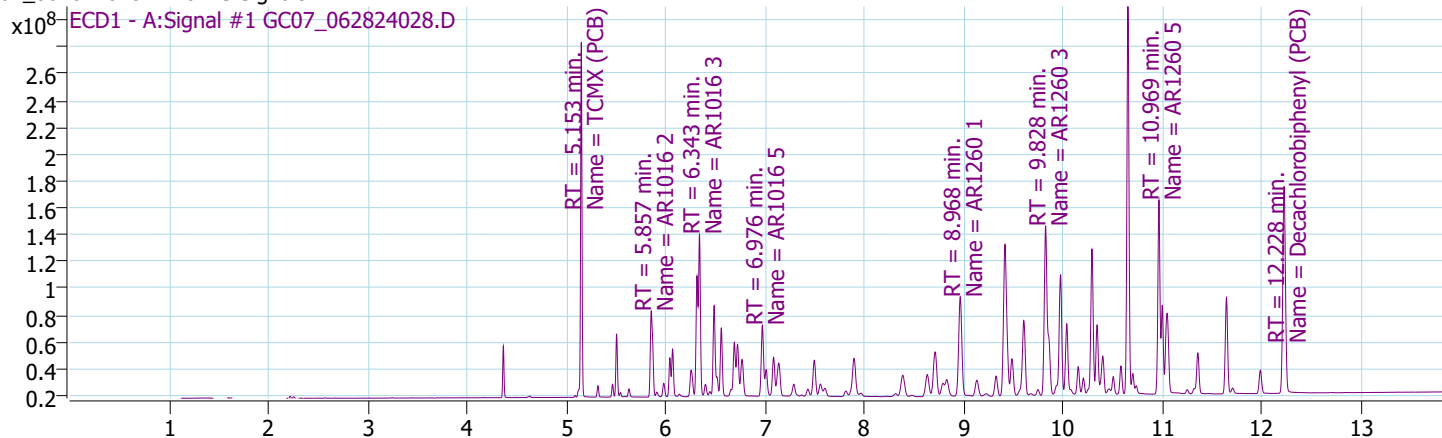
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.6404	13.56	0.00	42099381				



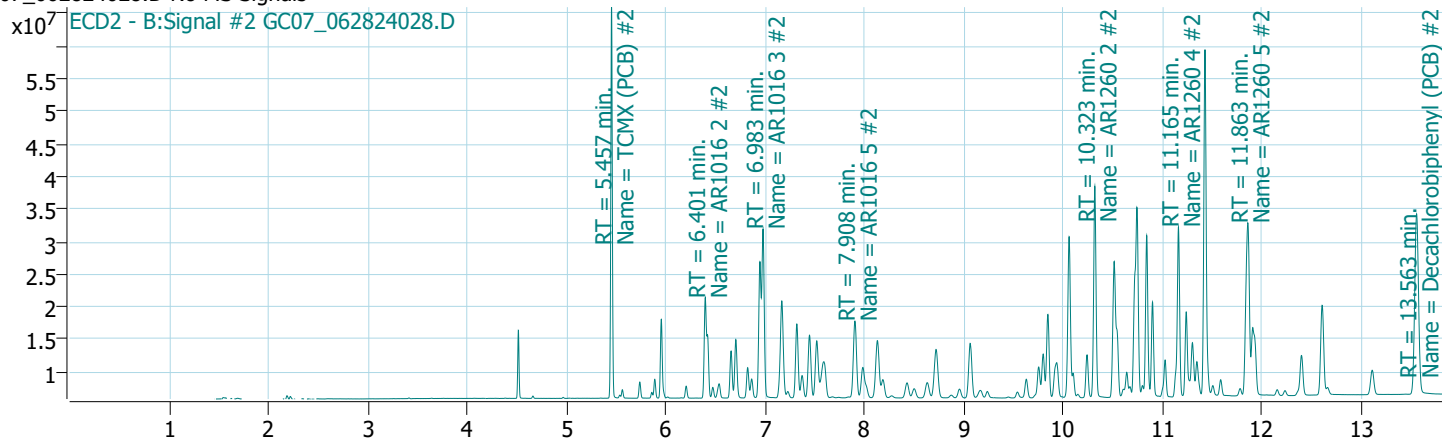
Quantitation Results Report (Not Reviewed)

Data File GC07_062824028.D Acq. Method Acq_Pesticide_052623_4 Sample Name ICAL, S20891 Vial 19 DA Method File PCB_608_062824_GC07_01.m Tune File ATUNE.U Batch Name 062824-PCB-ICAL.batch.bin Ref Library	Operator SVOA Acq. Date-Time 6/28/2024 3:22:59 PM Instrument SVOA-GC07 Multiplier 1.00 Comment 2000 PPB PCB ICAL Tune Date Last Calib Update 6/28/2024 6:59:17 PM
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GC07_062824028.D No MS Signals



GC07_062824028.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	35141495.0 53	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	9716811.52 4	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	260526258. 805	158.2608	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 791.30%	*	
S TCMX (PCB) #2	5.457	0.0	66022527.8 86	141.6590	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 708.29%	*	
S Decachlorobiphenyl (PCB)	12.228	0.0	295093471. 364	152.3061	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 761.53%	*	
S Decachlorobiphenyl (PCB) #2	13.563	0.0	75083389.4 29	141.4452	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 707.23%	*	

Target Compounds

QValue

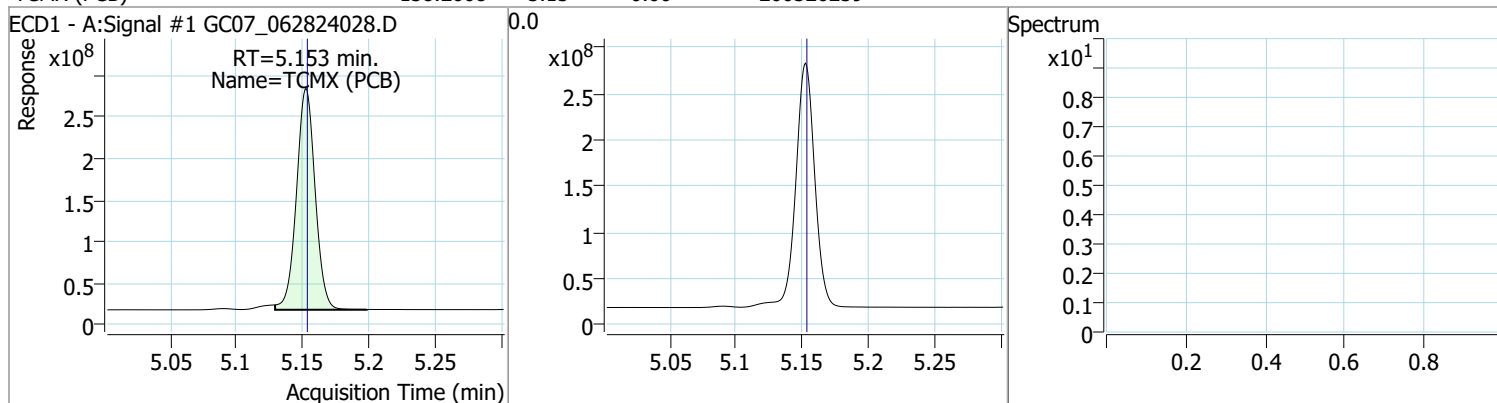
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	52797819.7 65	1718.8463	ng/ml	100
T AR1016 2	5.857	0.0	111345883. 541	1744.9062	ng/ml	100
T AR1016 1 #2	5.958	0.0	16229620.4 65	1581.9063	ng/ml	100
T AR1016 3	6.343	0.0	158970350. 988	1985.6885	ng/ml m	100
T AR1016 2 #2	6.401	0.0	34600333.7 01	1632.3314	ng/ml	100
T AR1016 4	6.490	0.0	98962762.1 06	1853.3892	ng/ml m	100
T AR1016 5	6.976	0.0	87157456.9 64	1856.9819	ng/ml	100
T AR1016 3 #2	6.983	0.0	43534275.0 09	1646.7307	ng/ml	100
T AR1016 4 #2	7.171	0.0	31722770.5 02	1623.2318	ng/ml	100
T AR1016 5 #2	7.908	0.0	26389484.2 66	1669.5818	ng/ml	100
T AR1260 1	8.968	0.0	163694033. 664	1738.9678	ng/ml	100
T AR1260 2	9.419	0.0	262121139. 076	1823.2227	ng/ml	100
T AR1260 3	9.828	0.0	300188552. 398	1940.6192	ng/ml	100
T AR1260 1 #2	10.064	0.0	45427087.5 47	1615.9576	ng/ml	100
T AR1260 4	10.294	0.0	177019455. 562	1979.4214	ng/ml	100
T AR1260 2 #2	10.323	0.0	54314494.7 49	1537.9743	ng/ml	100
T AR1260 3 #2	10.747	0.0	68953559.5 13	1622.0809	ng/ml	100
T AR1260 5	10.969	0.0	212918830. 025	1988.2437	ng/ml	100
T AR1260 4 #2	11.165	0.0	46064500.5 54	1713.7276	ng/ml	100
T AR1260 5 #2	11.863	0.0	66563997.7 77	1668.0607	ng/ml	100

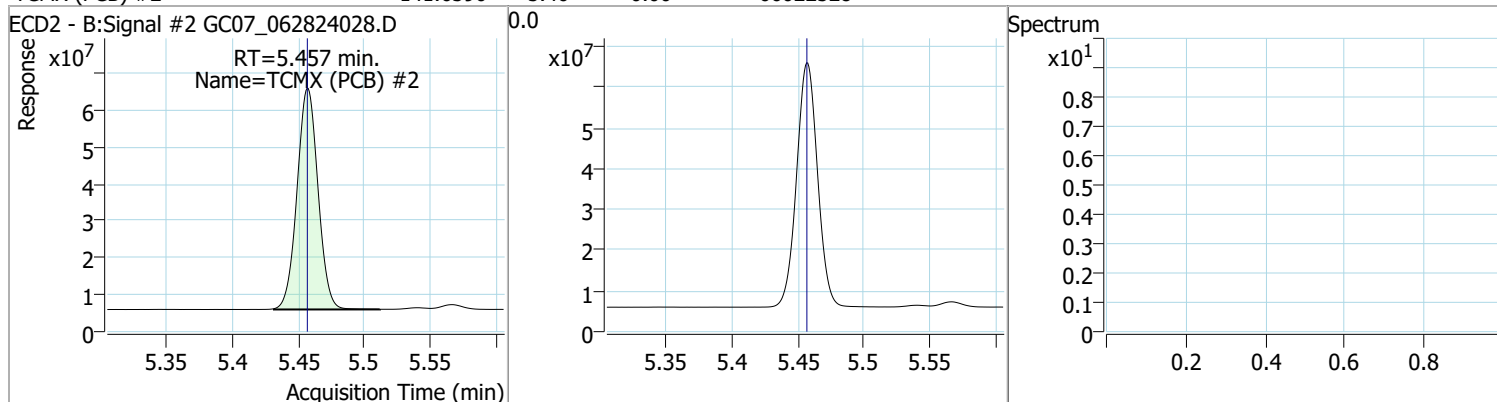
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

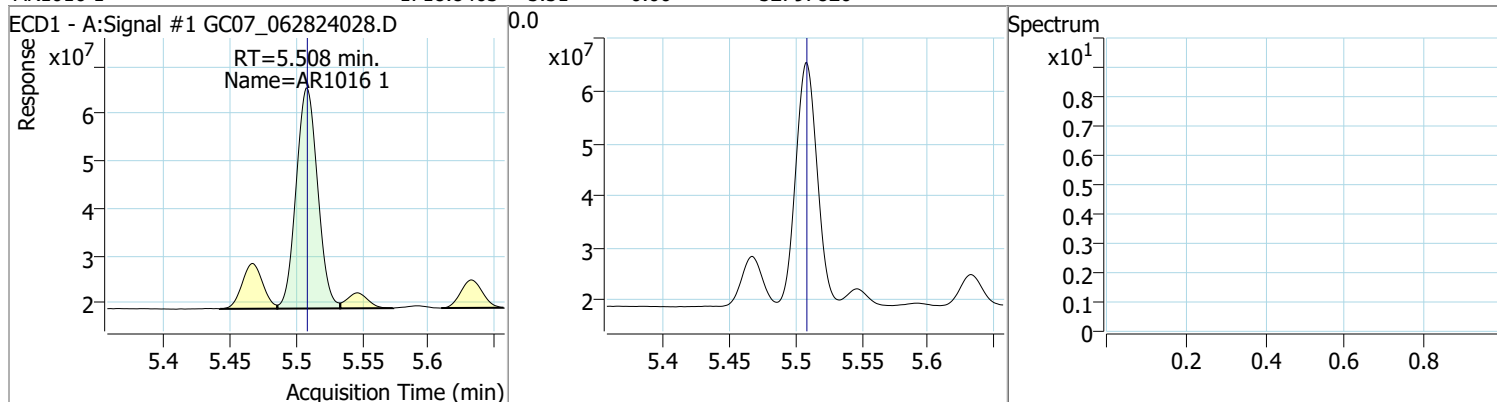
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	158.2608	5.15	0.00	260526259				



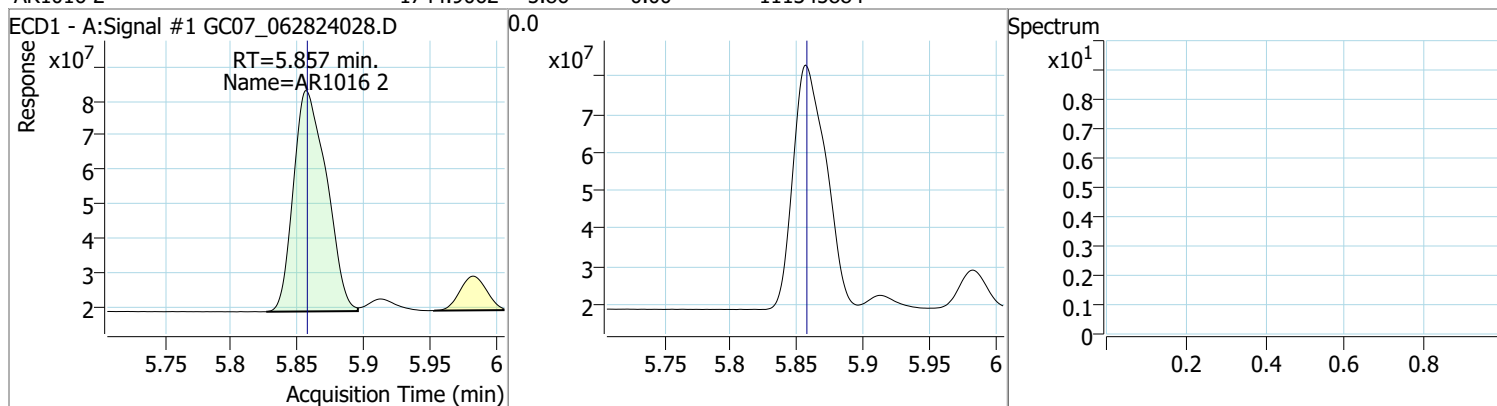
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	141.6590	5.46	0.00	66022528				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1718.8463	5.51	0.00	52797820				

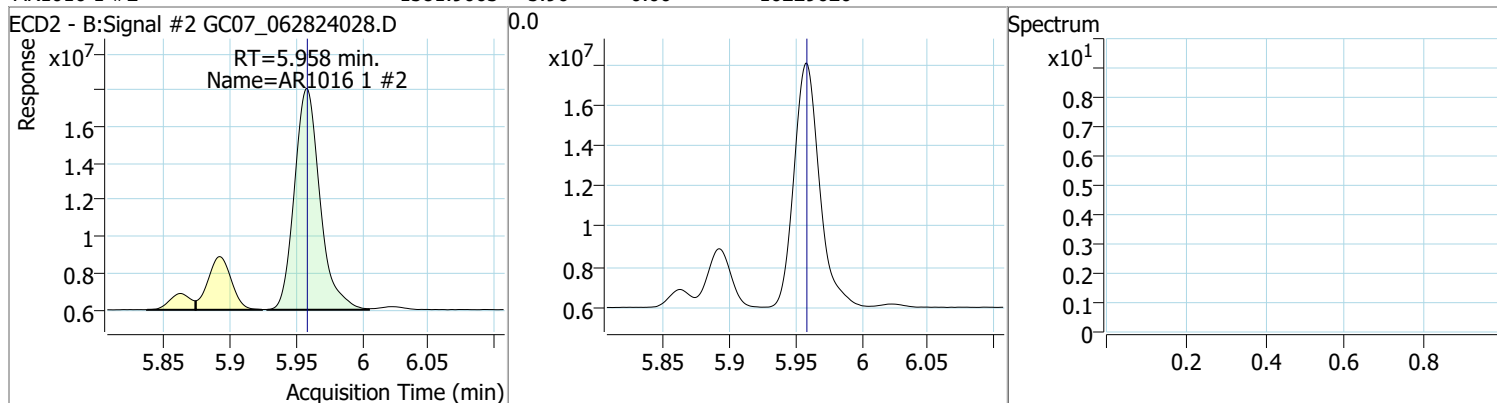


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1744.9062	5.86	0.00	111345884				

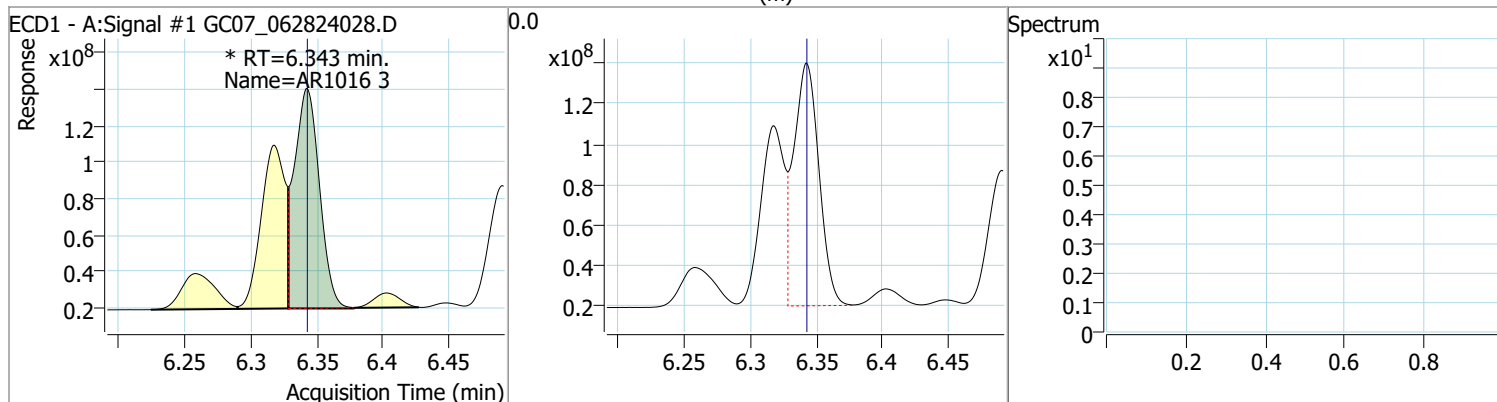


Quantitation Results Report (Not Reviewed)

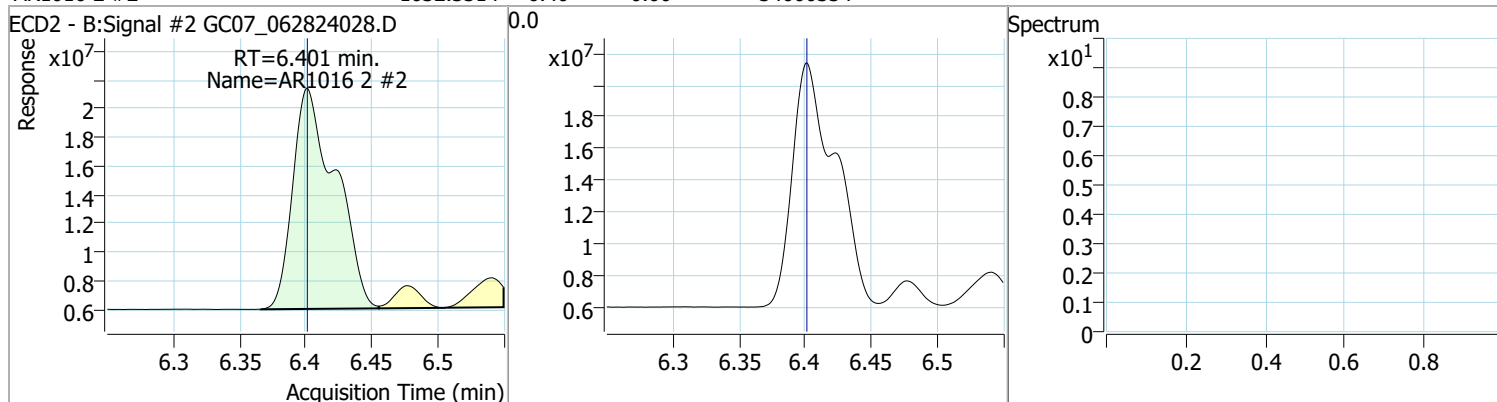
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1581.9063	5.96	0.00	16229620				



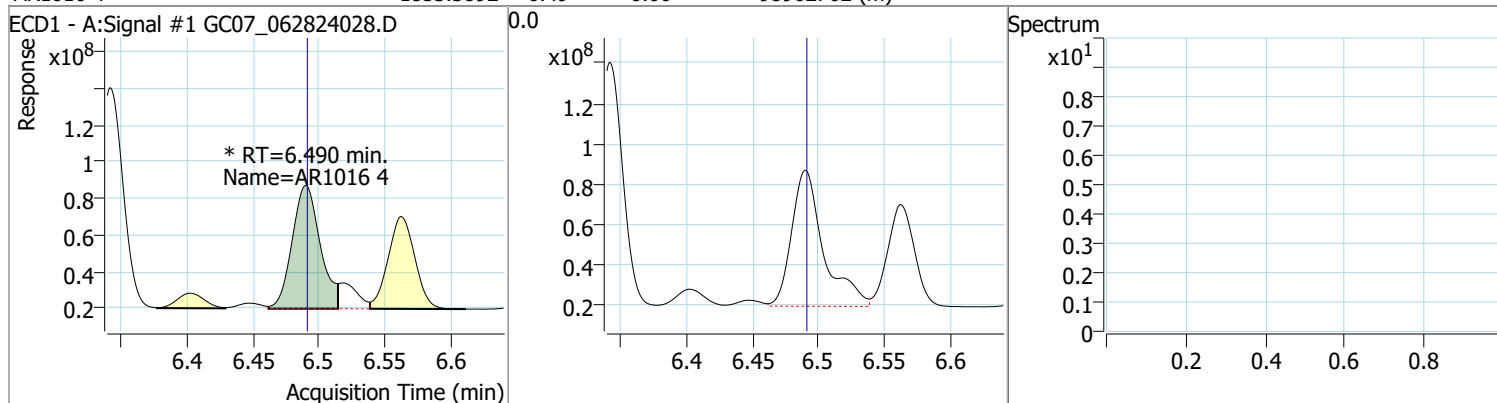
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1985.6885	6.34	0.00	158970351 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1632.3314	6.40	0.00	34600334				

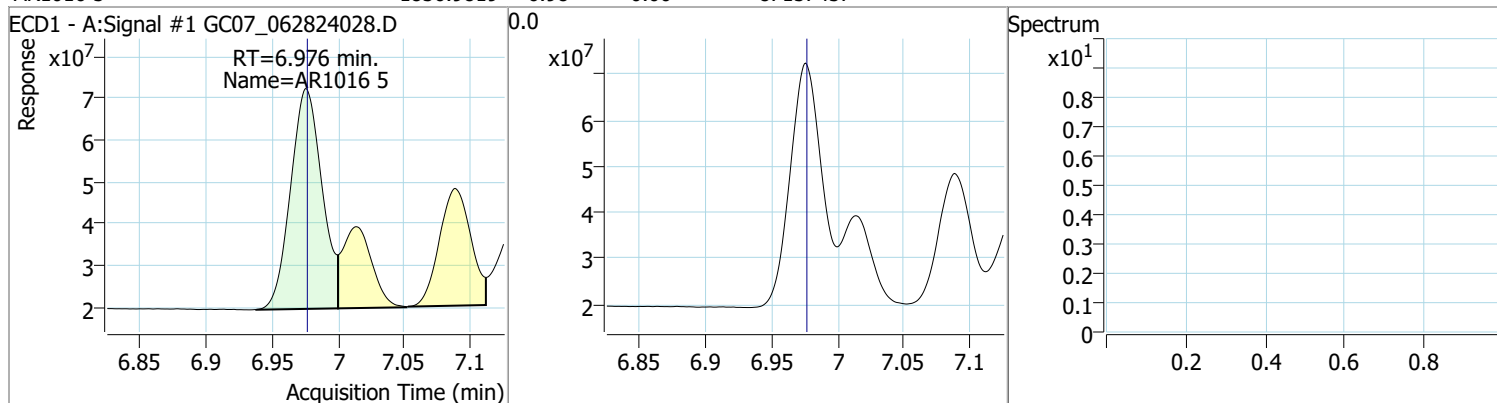


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1853.3892	6.49	0.00	98962762 (m)				

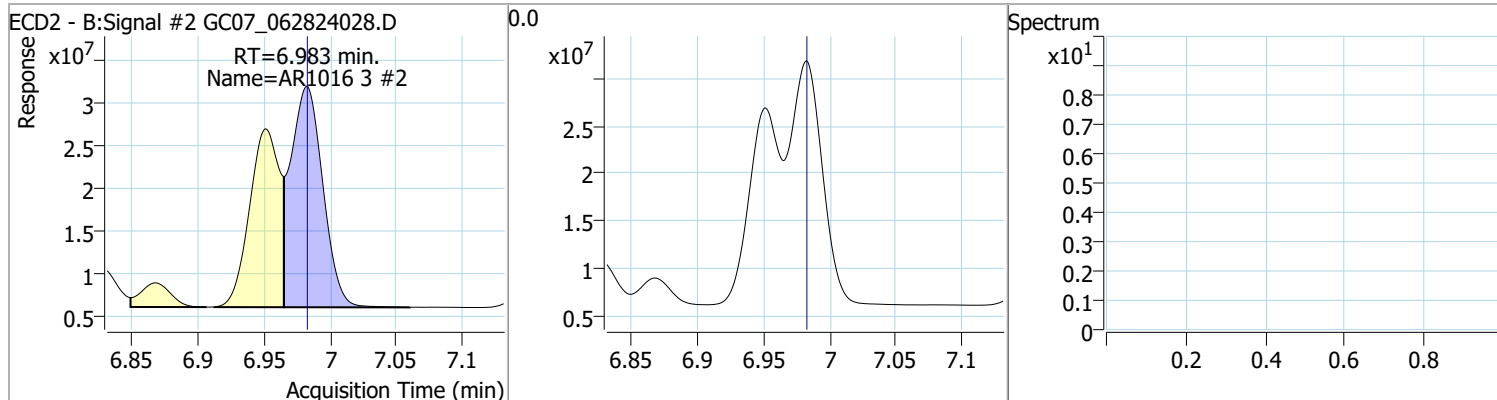


Quantitation Results Report (Not Reviewed)

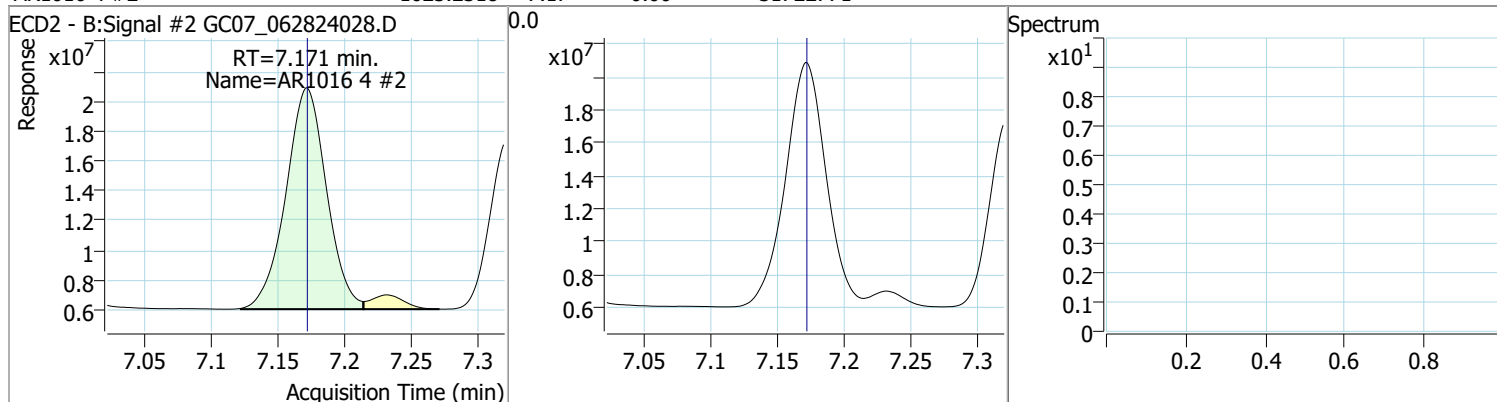
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1856.9819	6.98	0.00	87157457				



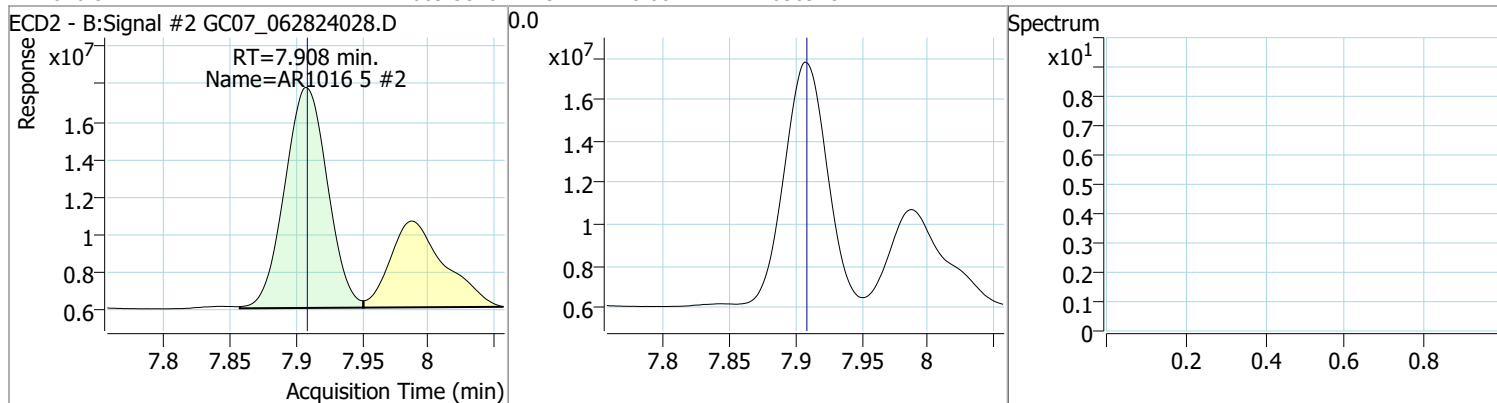
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1646.7307	6.98	0.00	43534275				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1623.2318	7.17	0.00	31722771				

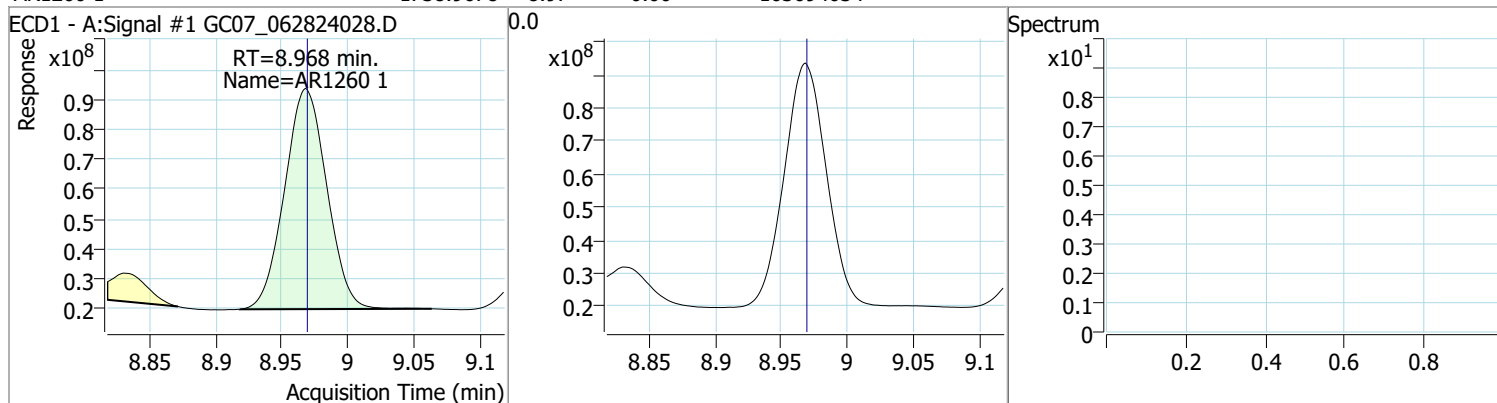


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1669.5818	7.91	0.00	26389484				

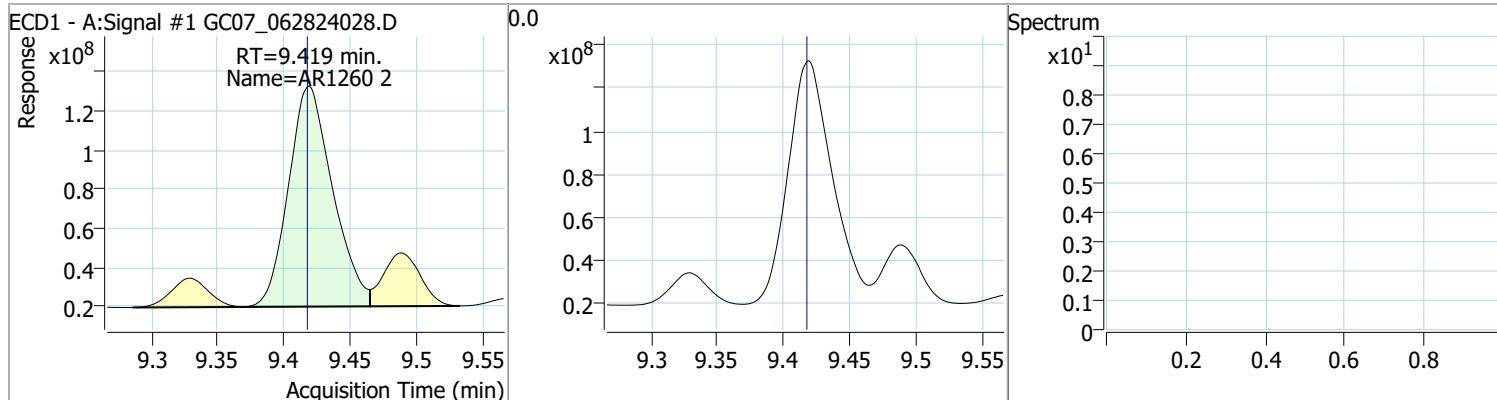


Quantitation Results Report (Not Reviewed)

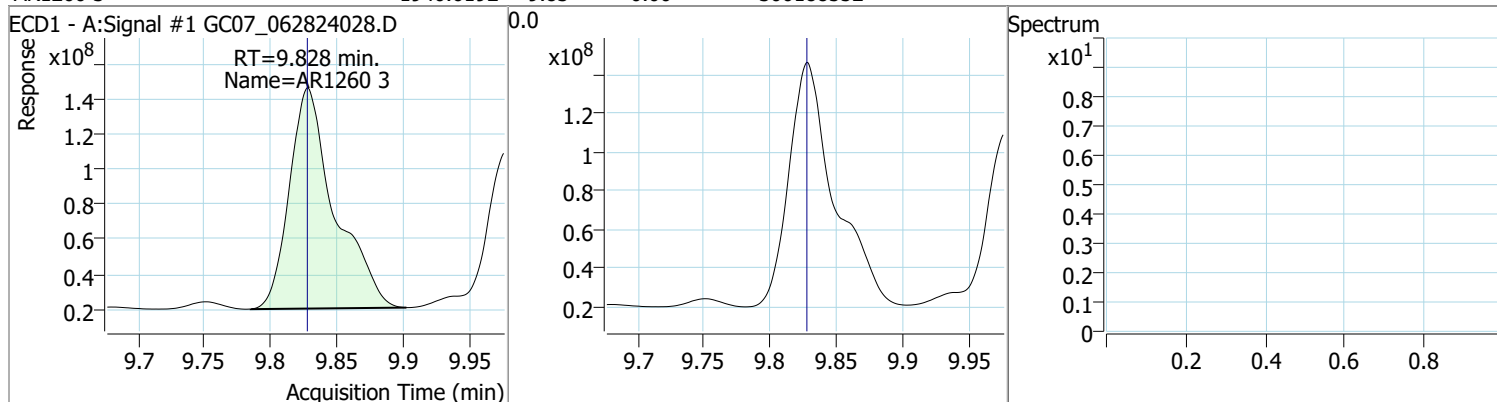
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1738.9678	8.97	0.00	163694034				



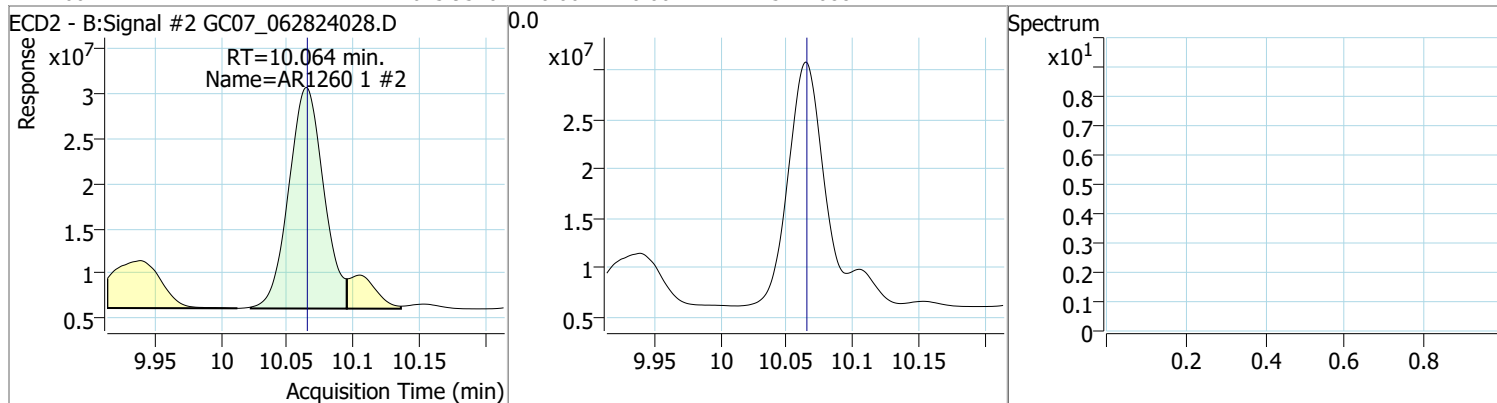
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1823.2227	9.42	0.00	262121139				



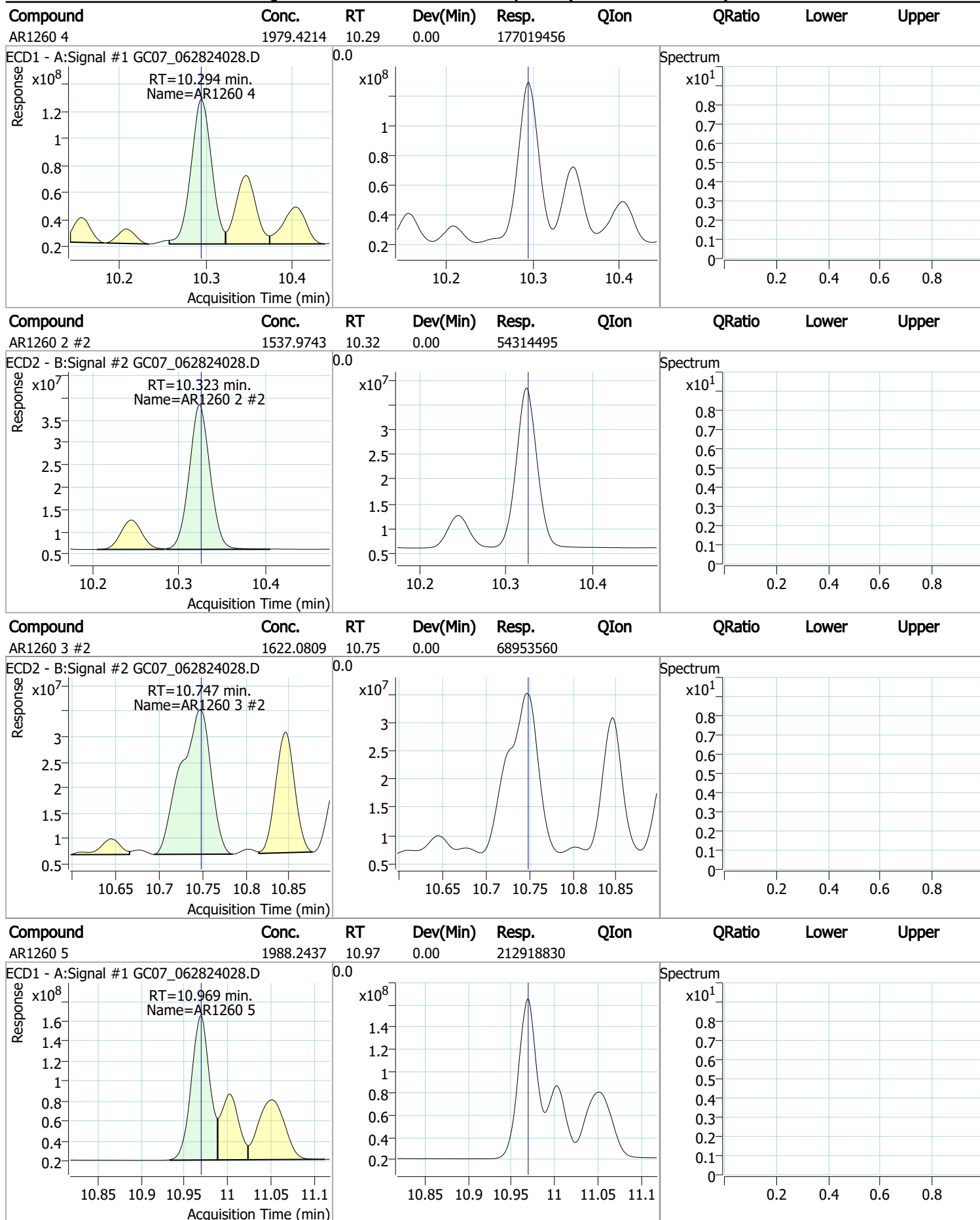
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1940.6192	9.83	0.00	300188552				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1615.9576	10.06	0.00	45427088				

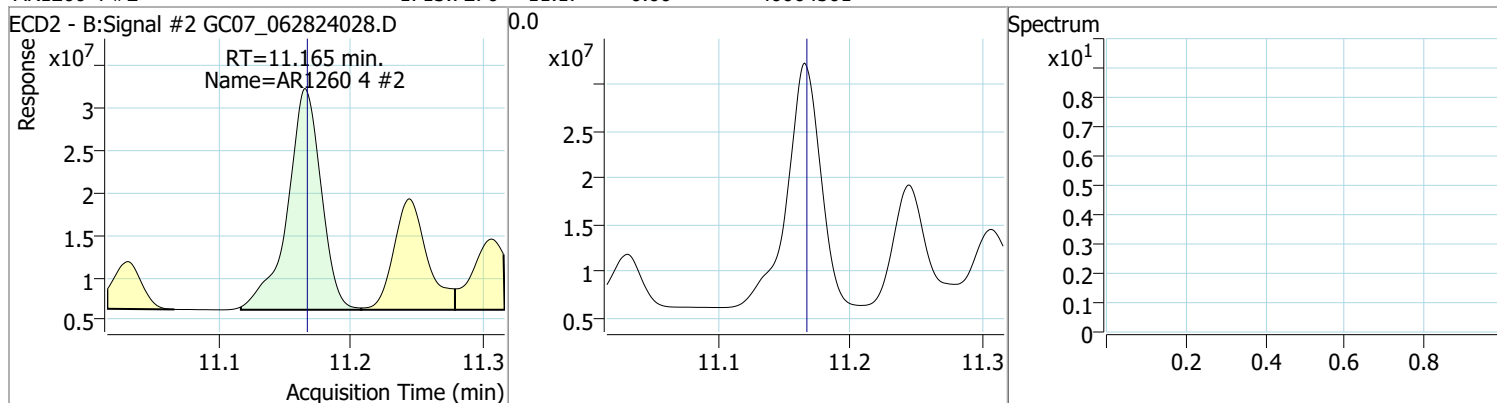


Quantitation Results Report (Not Reviewed)

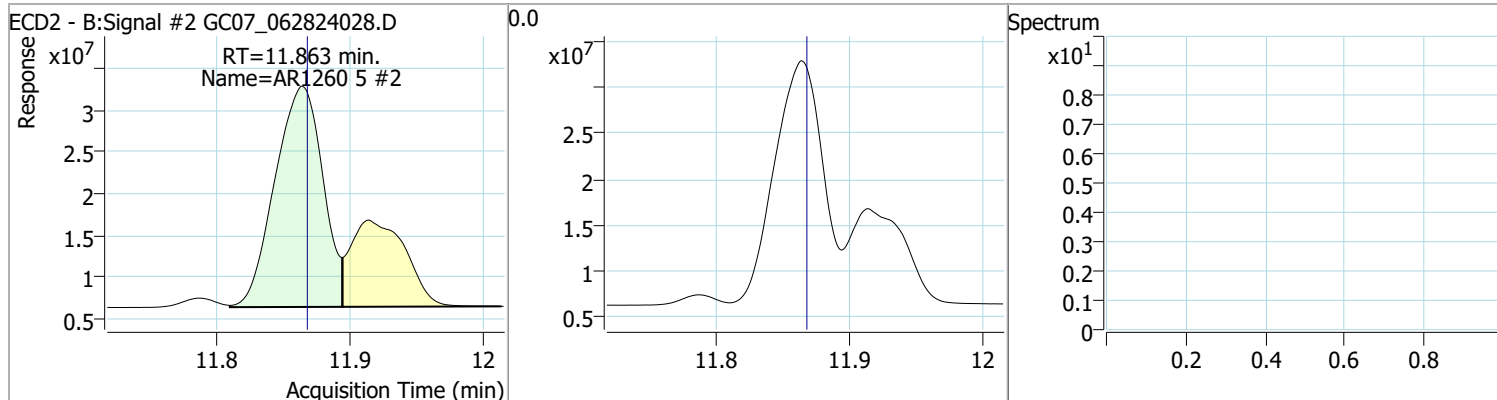


Quantitation Results Report (Not Reviewed)

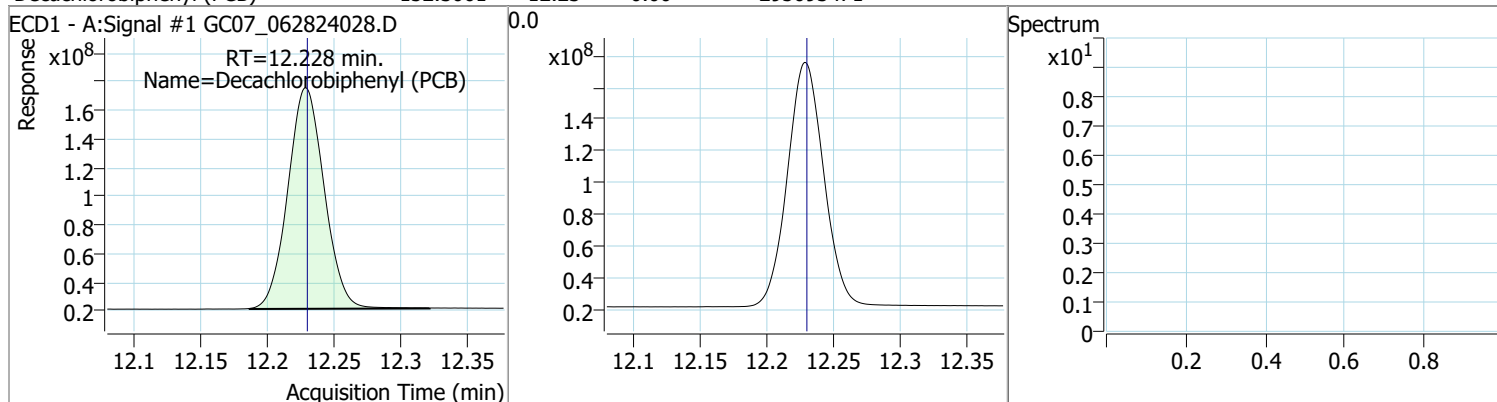
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1713.7276	11.17	0.00	46064501				



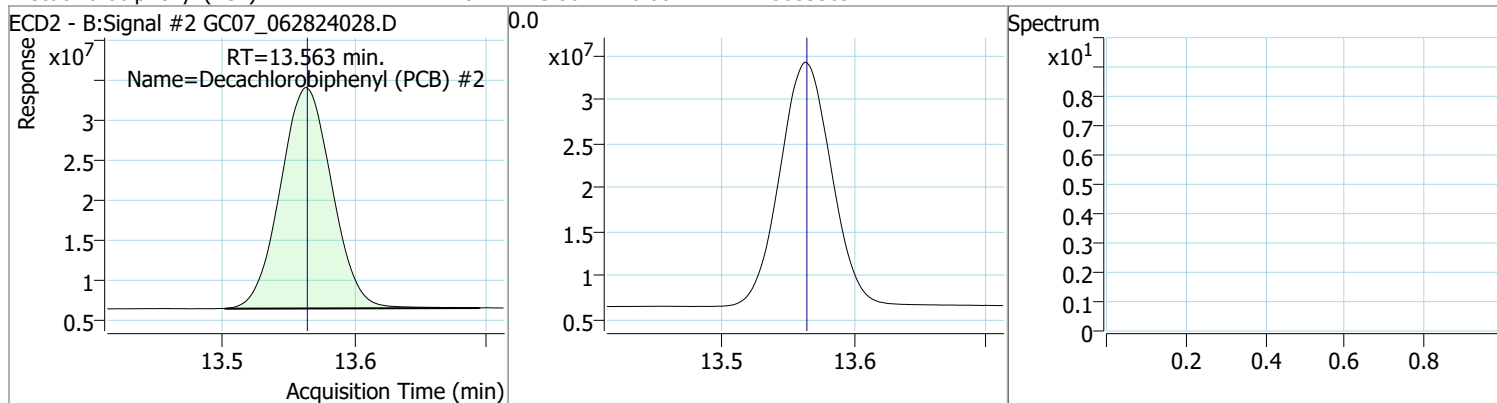
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1668.0607	11.86	0.00	66563998				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	152.3061	12.23	0.00	295093471				

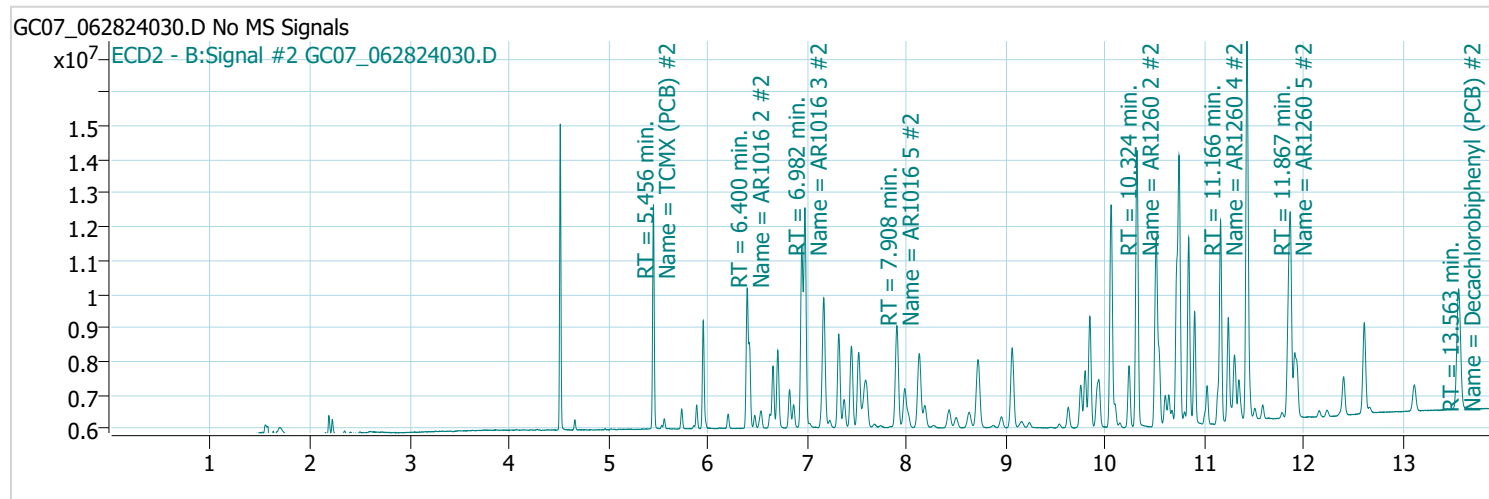
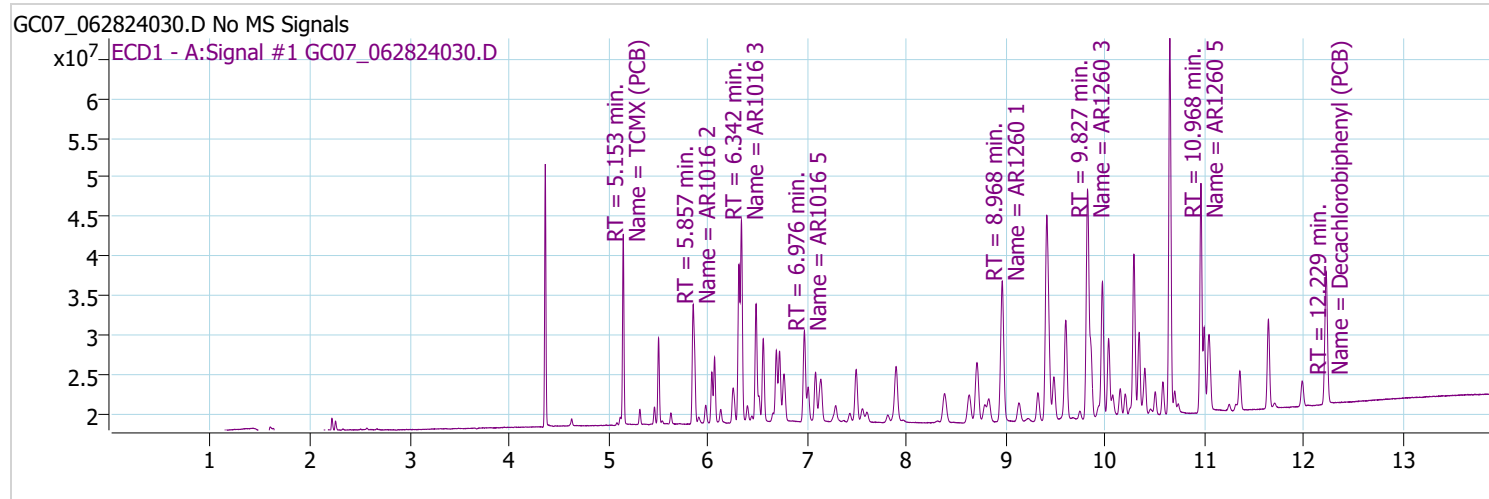


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	141.4452	13.56	0.00	75083389				



Quantitation Results Report (Not Reviewed)

Data File	GC07_062824030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	6/28/2024 3:57:48 PM
Sample Name	ICV, S20893	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_01.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	062824-PCB-ICAL.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.368	0.0	30413590.8 36	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.518	0.0	8376601.44 5	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.153	0.0	24996814.0 38	17.5452	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.73%		
S TCMX (PCB) #2	5.456	0.0	7611693.35 9	18.9448	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.72%		
S Decachlorobiphenyl (PCB)	12.229	0.0	32564996.7 55	19.4205	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.10%		
S Decachlorobiphenyl (PCB) #2	13.563	0.0	9597731.27 6	20.9734	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.87%		

Target Compounds

QValue

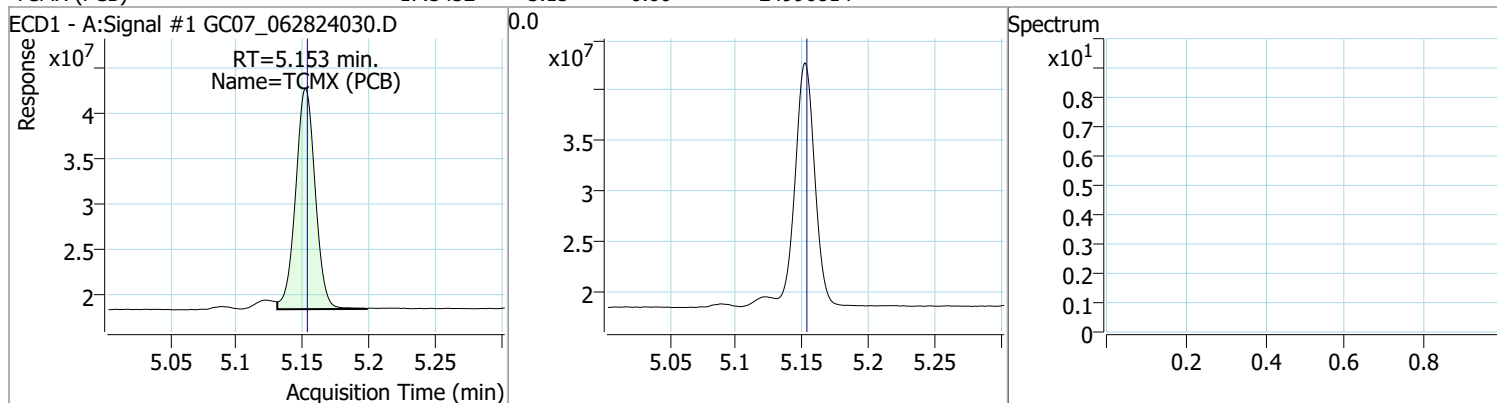
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.508	0.0	12386632.7 60	465.9366	ng/ml	100
T AR1016 2	5.857	0.0	26299436.2 09	476.2082	ng/ml	100
T AR1016 1 #2	5.958	0.0	4174180.59 8	471.9539	ng/ml	100
T AR1016 3	6.342	0.0	34546415.2 35	527.2991	ng/ml	100
T AR1016 2 #2	6.400	0.0	9001561.38 0	492.6084	ng/ml	100
T AR1016 4	6.490	0.0	22137100.0 40	479.0359	ng/ml m	100
T AR1016 5	6.976	0.0	19309556.1 31	475.3658	ng/ml	100
T AR1016 3 #2	6.982	0.0	11170392.5 72	490.1349	ng/ml	100
T AR1016 4 #2	7.171	0.0	8088316.34 2	480.0909	ng/ml	100
T AR1016 5 #2	7.908	0.0	6582770.69 8	483.1049	ng/ml	100
T AR1260 1	8.968	0.0	39268423.1 92	482.0085	ng/ml	100
T AR1260 2	9.417	0.0	62386512.9 04	501.3961	ng/ml	100
T AR1260 3	9.827	0.0	71409385.3 41	533.4012	ng/ml	100
T AR1260 1 #2	10.064	0.0	13287658.7 07	548.3015	ng/ml	100
T AR1260 4	10.293	0.0	34310803.8 90	443.3030	ng/ml	100
T AR1260 2 #2	10.324	0.0	14596035.2 65	479.4288	ng/ml	100
T AR1260 3 #2	10.748	0.0	18681897.9 32	509.7917	ng/ml	100
T AR1260 5	10.968	0.0	43060287.5 97	464.6062	ng/ml	100
T AR1260 4 #2	11.166	0.0	10737657.5 12	463.3839	ng/ml	100
T AR1260 5 #2	11.867	0.0	14959700.7 63	434.8618	ng/ml	100

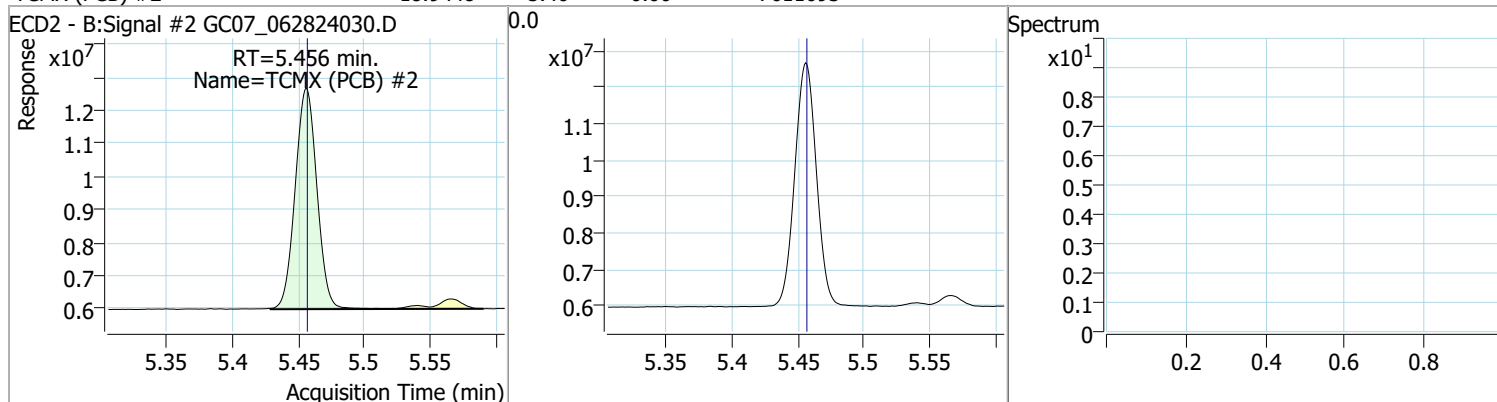
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

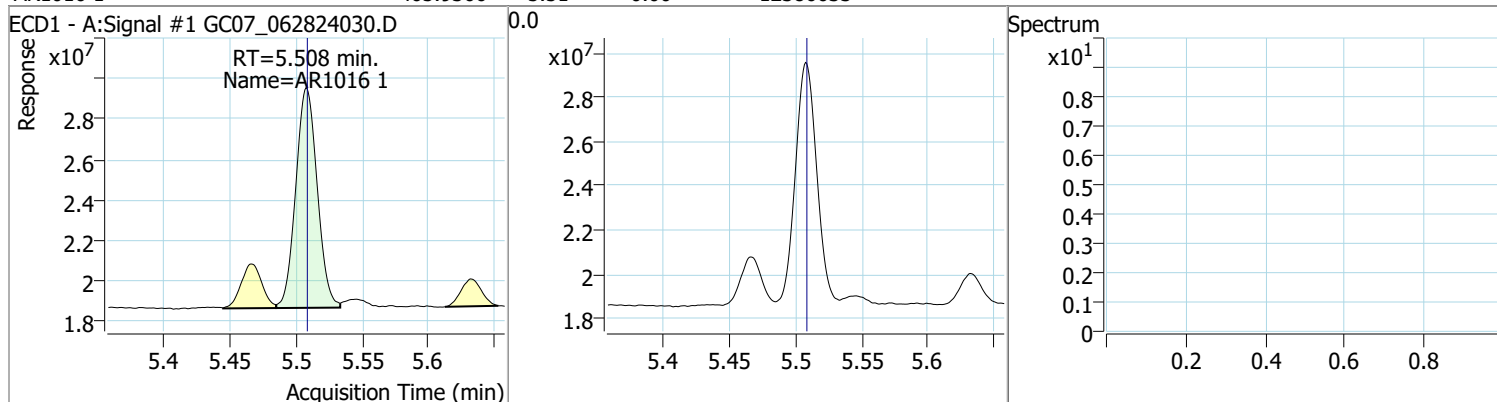
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.5452	5.15	0.00	24996814				



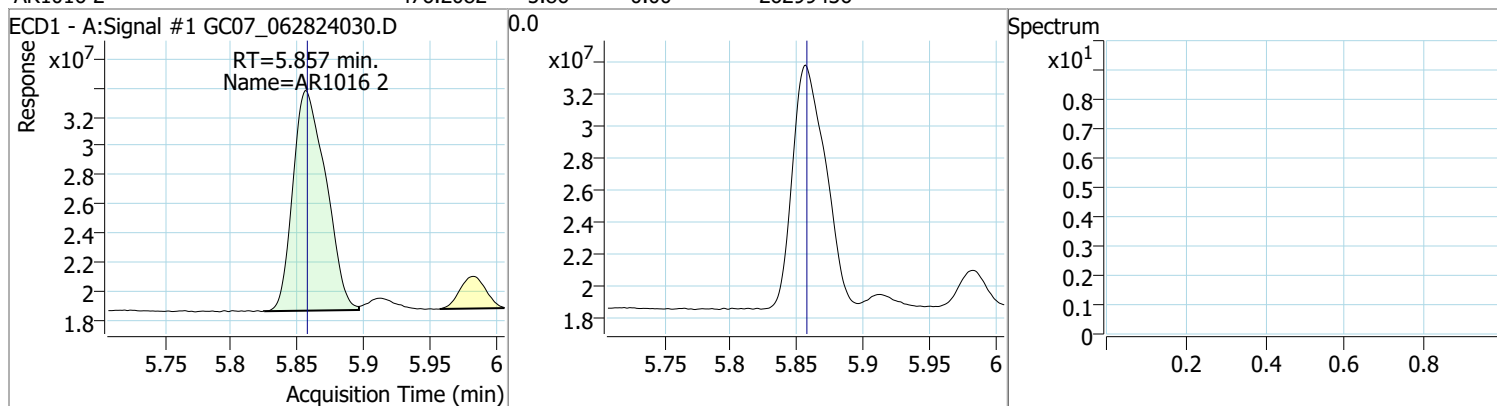
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.9448	5.46	0.00	7611693				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	465.9366	5.51	0.00	12386633				

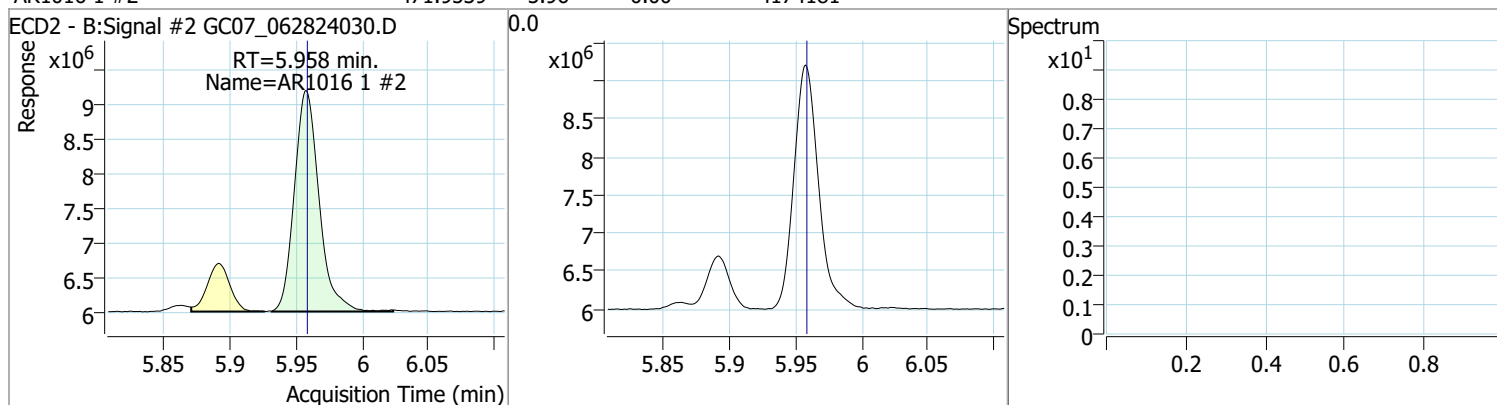


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	476.2082	5.86	0.00	26299436				

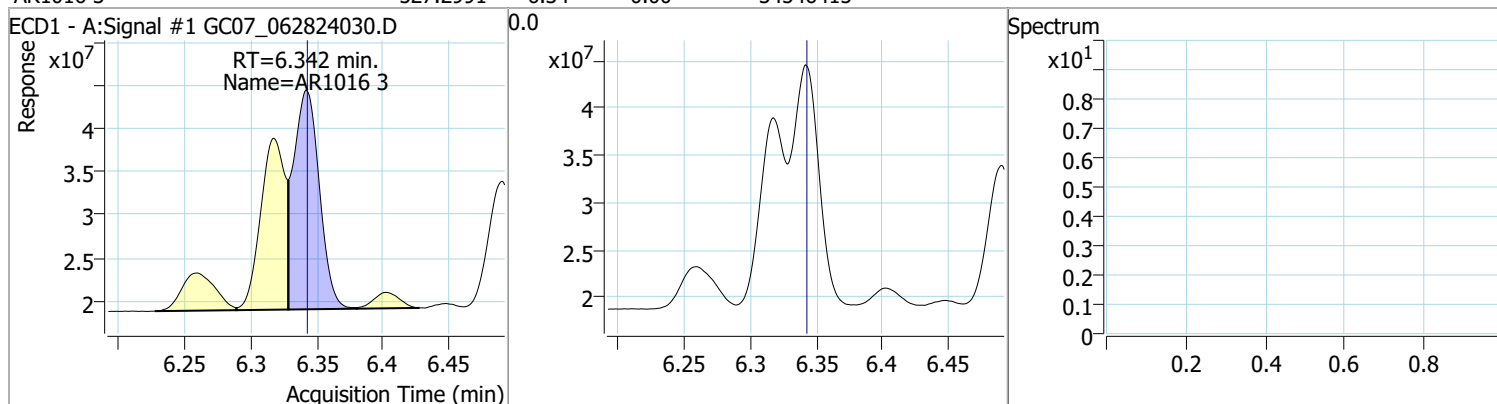


Quantitation Results Report (Not Reviewed)

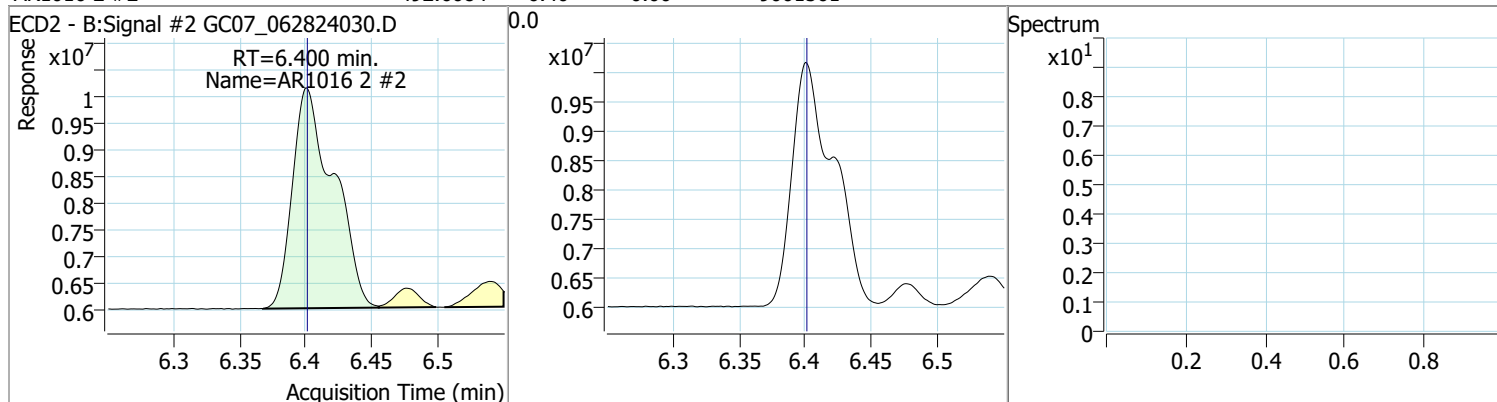
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	471.9539	5.96	0.00	4174181				



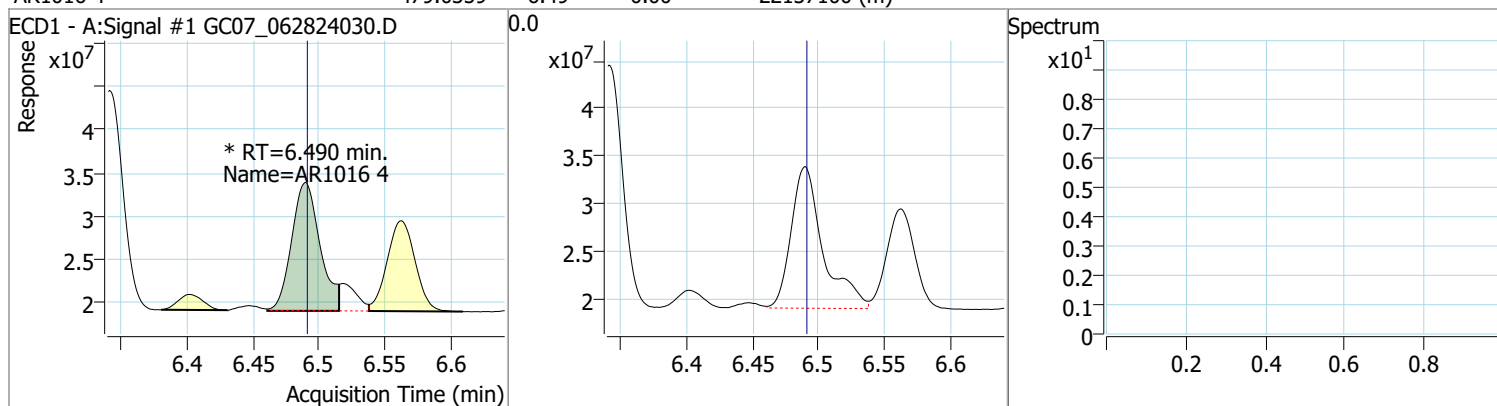
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	527.2991	6.34	0.00	34546415				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	492.6084	6.40	0.00	9001561				

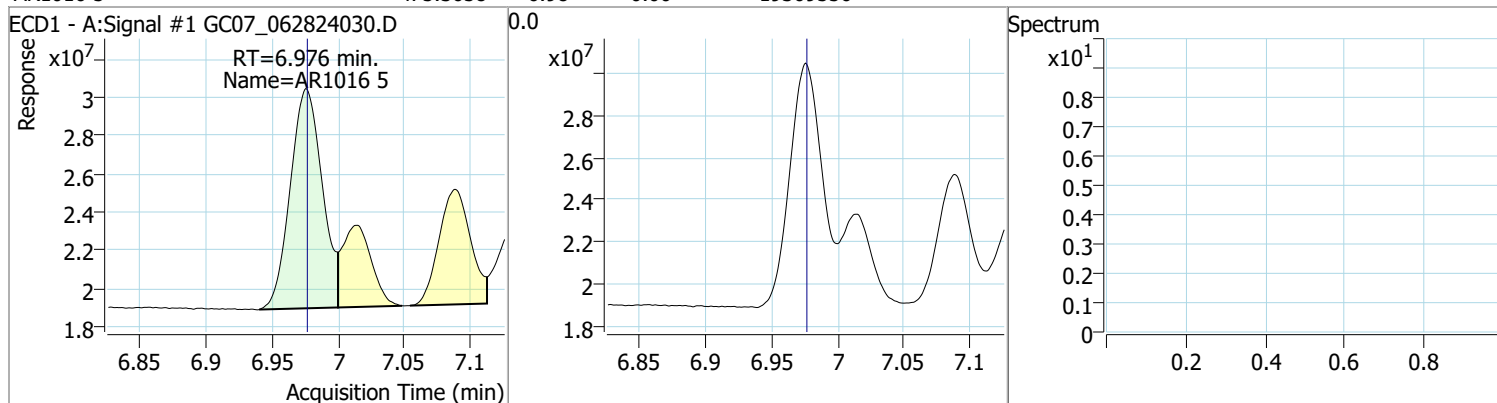


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	479.0359	6.49	0.00	22137100 (m)				

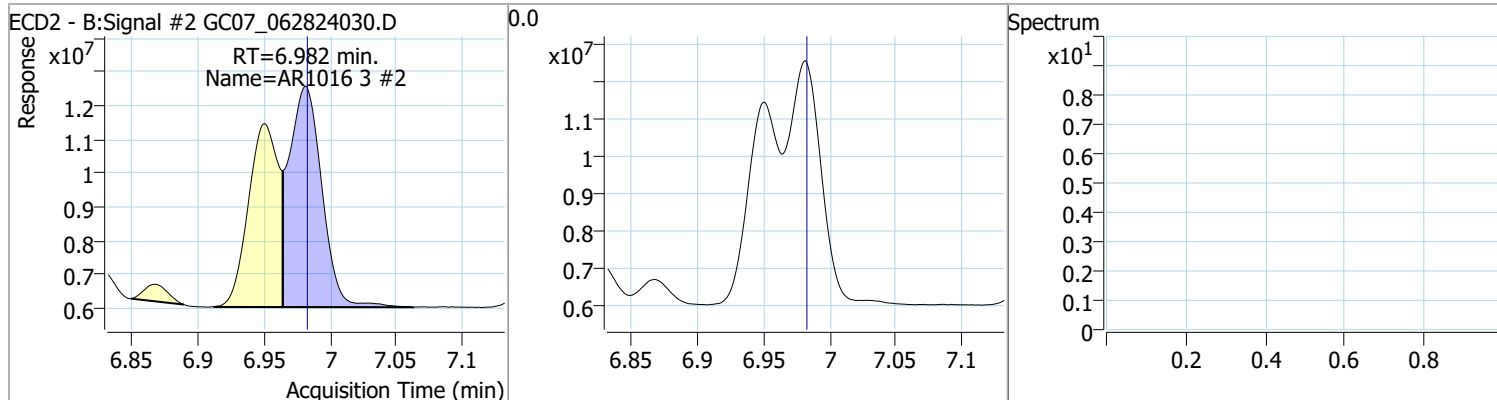


Quantitation Results Report (Not Reviewed)

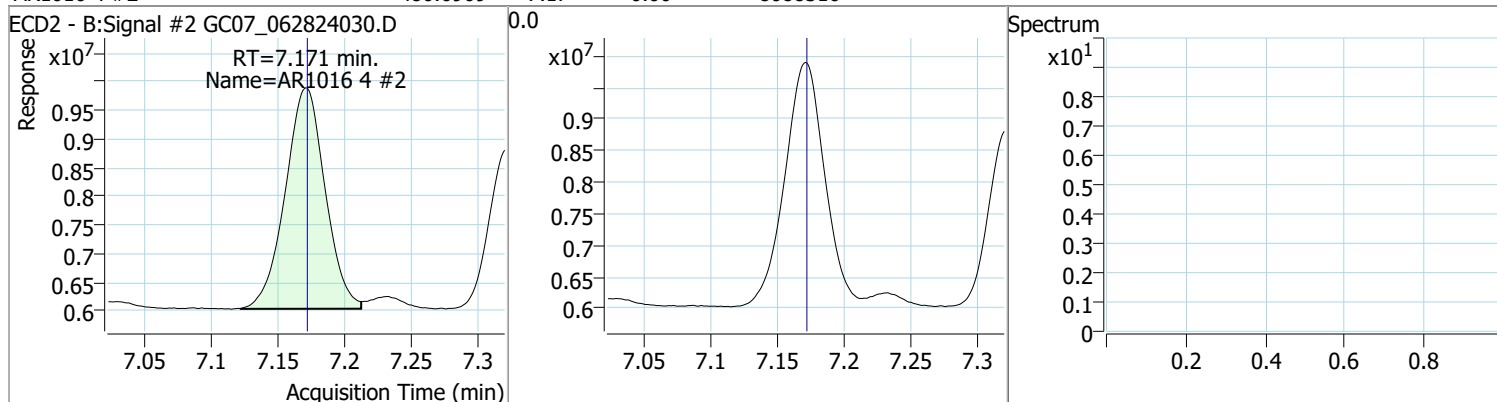
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	475.3658	6.98	0.00	19309556				



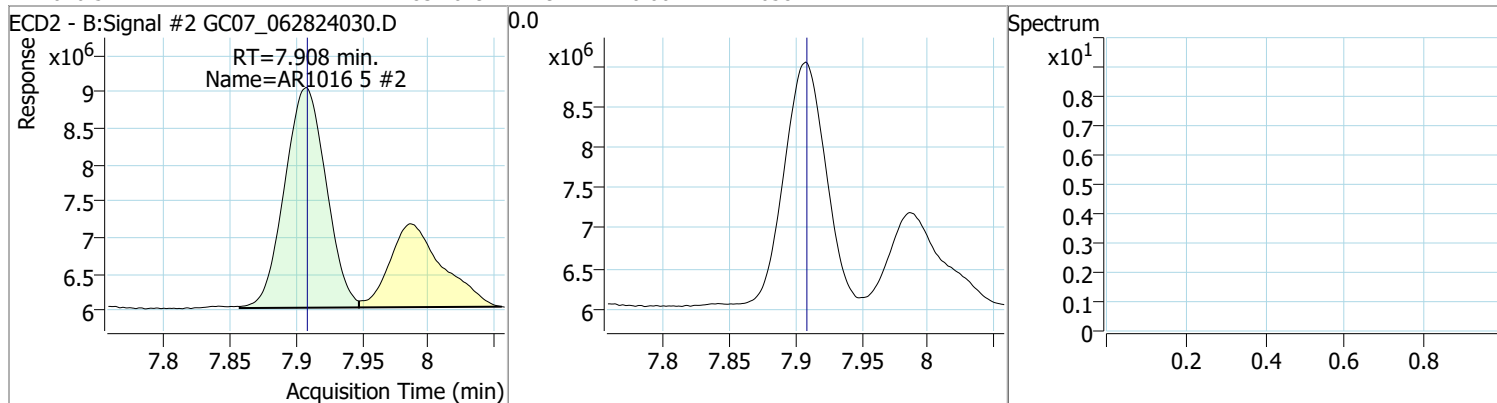
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	490.1349	6.98	0.00	11170393				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	480.0909	7.17	0.00	8088316				

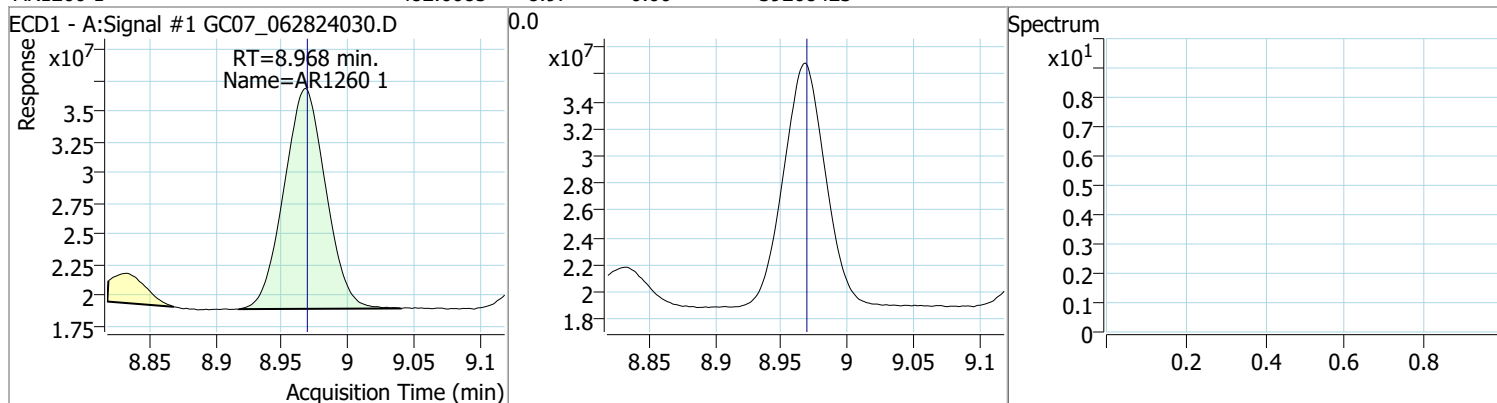


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	483.1049	7.91	0.00	6582771				

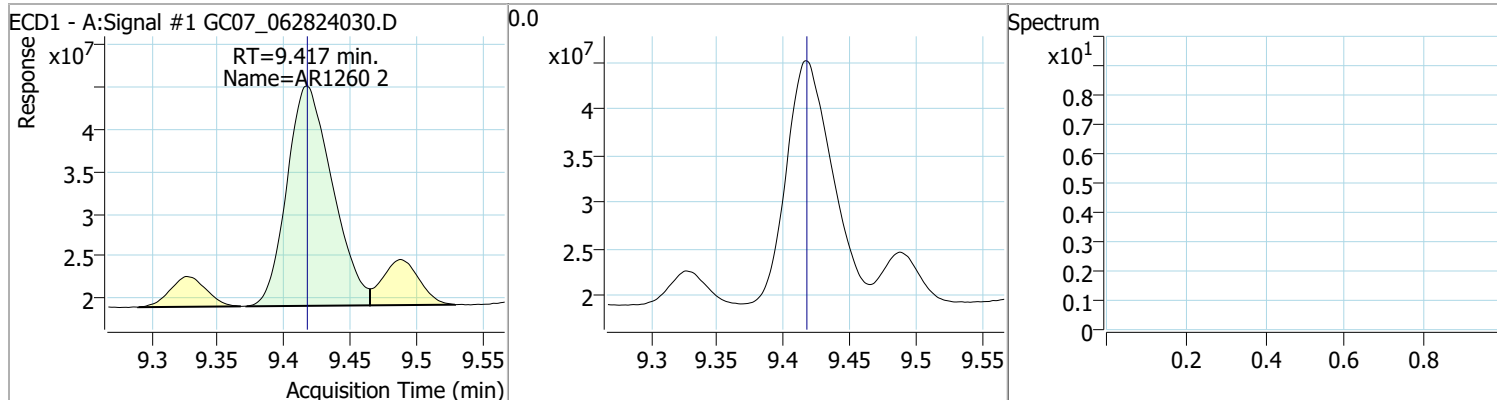


Quantitation Results Report (Not Reviewed)

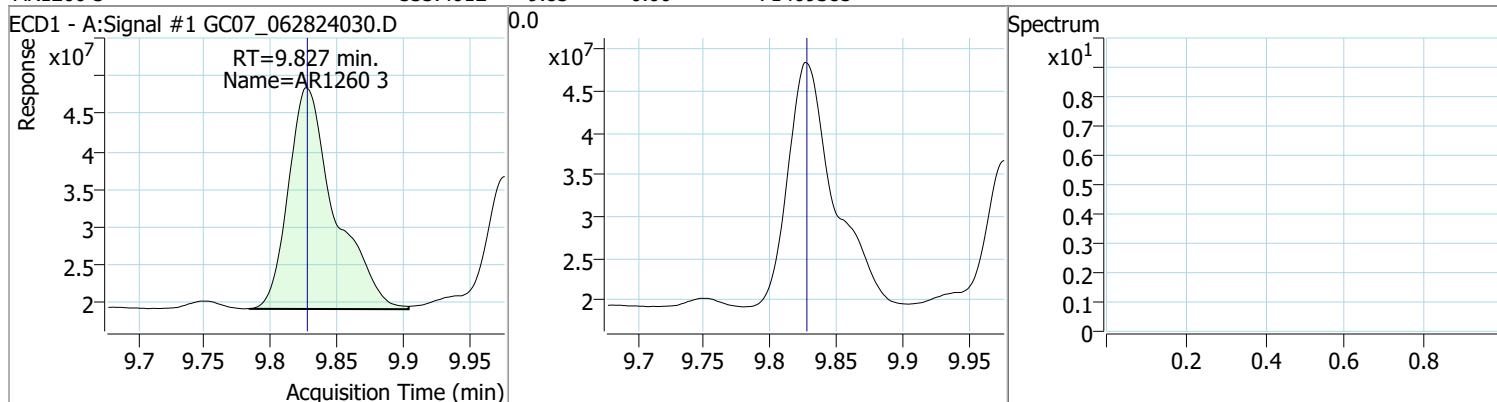
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	482.0085	8.97	0.00	39268423				



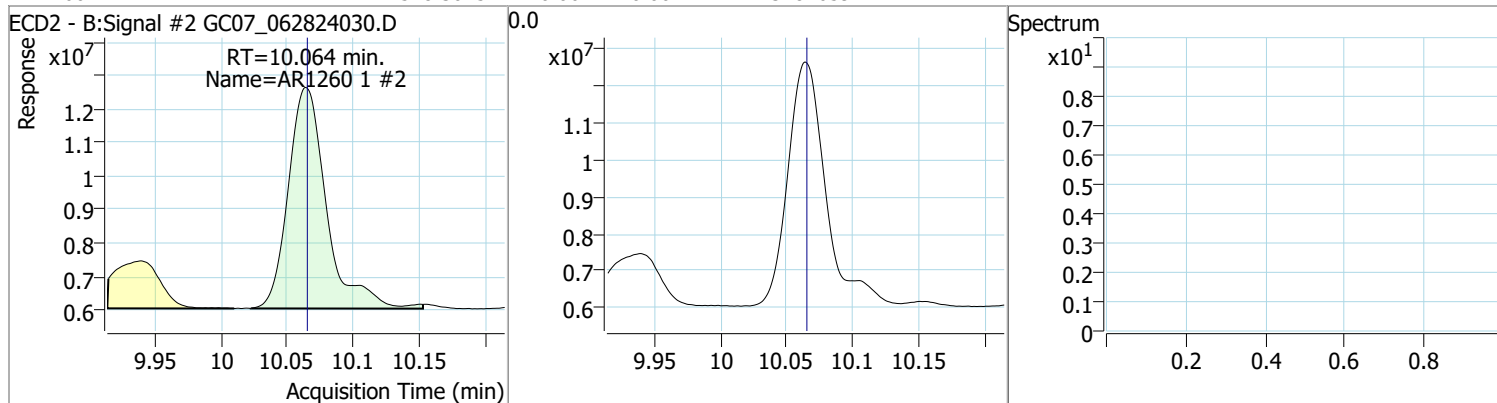
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	501.3961	9.42	0.00	62386513				



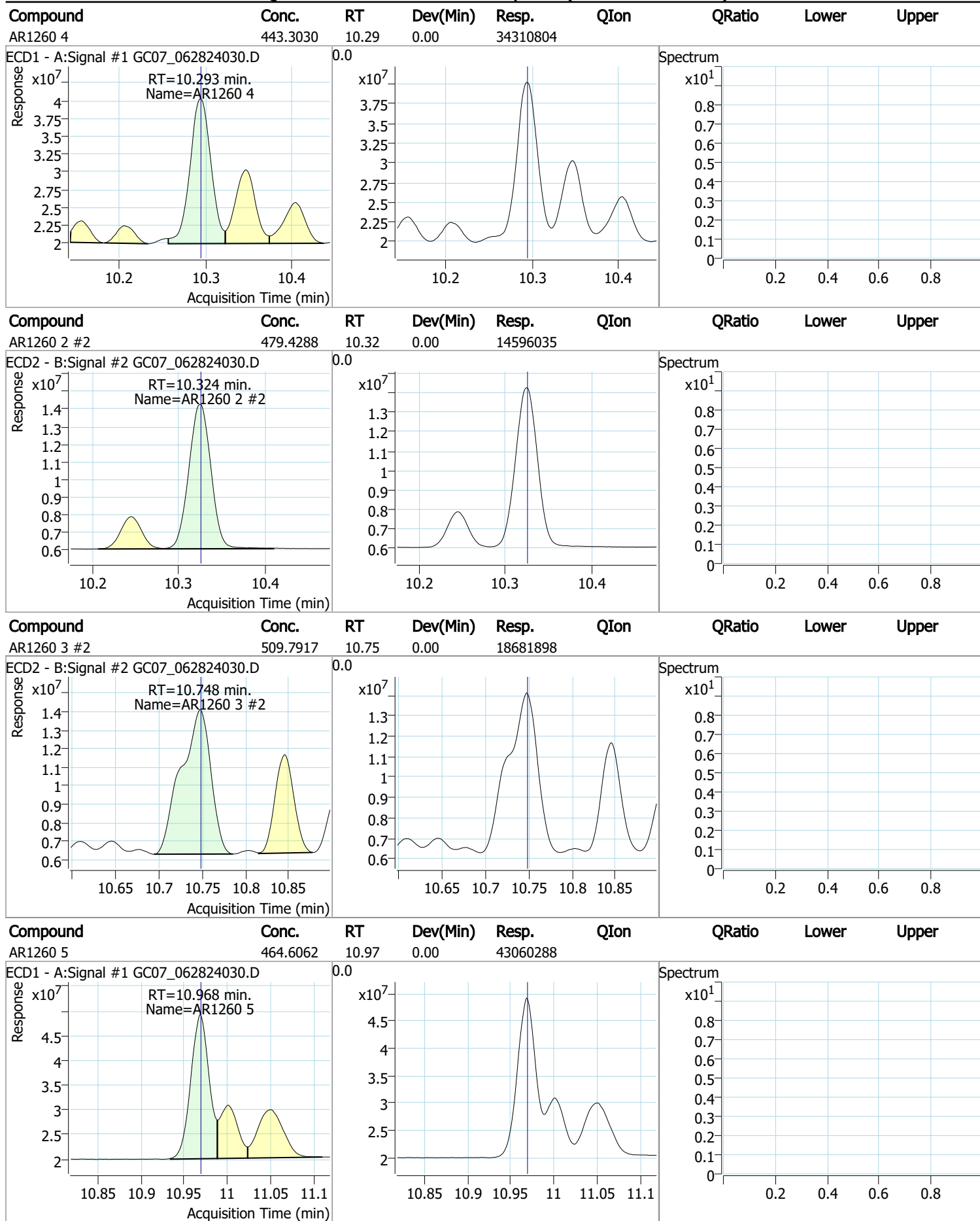
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	533.4012	9.83	0.00	71409385				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	548.3015	10.06	0.00	13287659				

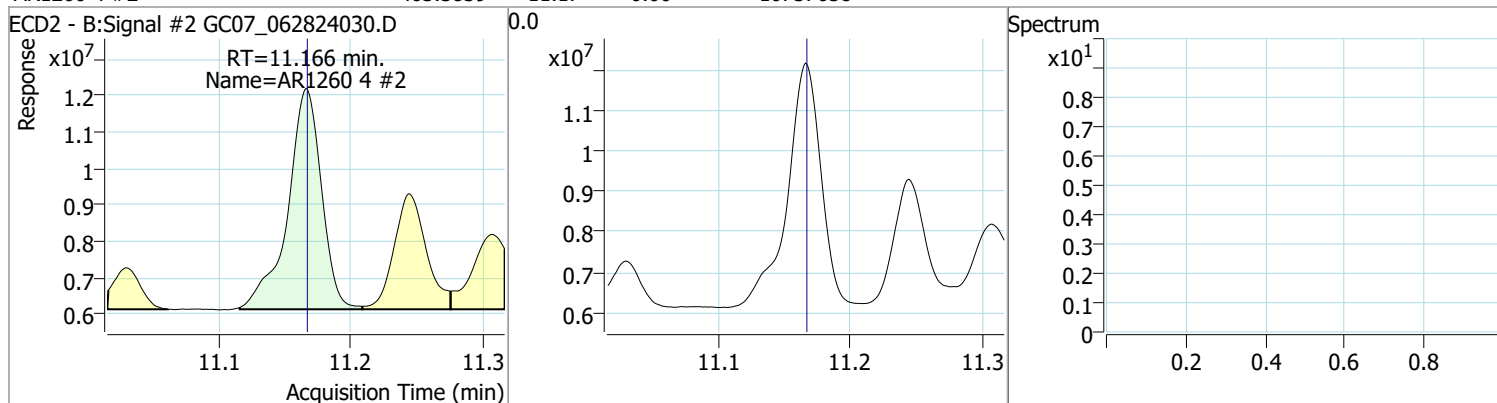


Quantitation Results Report (Not Reviewed)

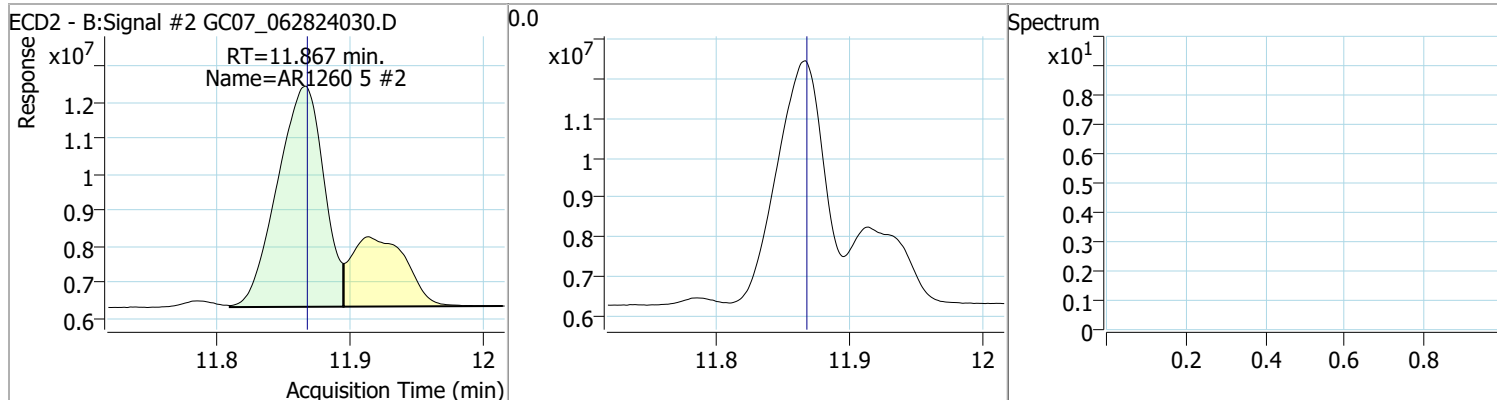


Quantitation Results Report (Not Reviewed)

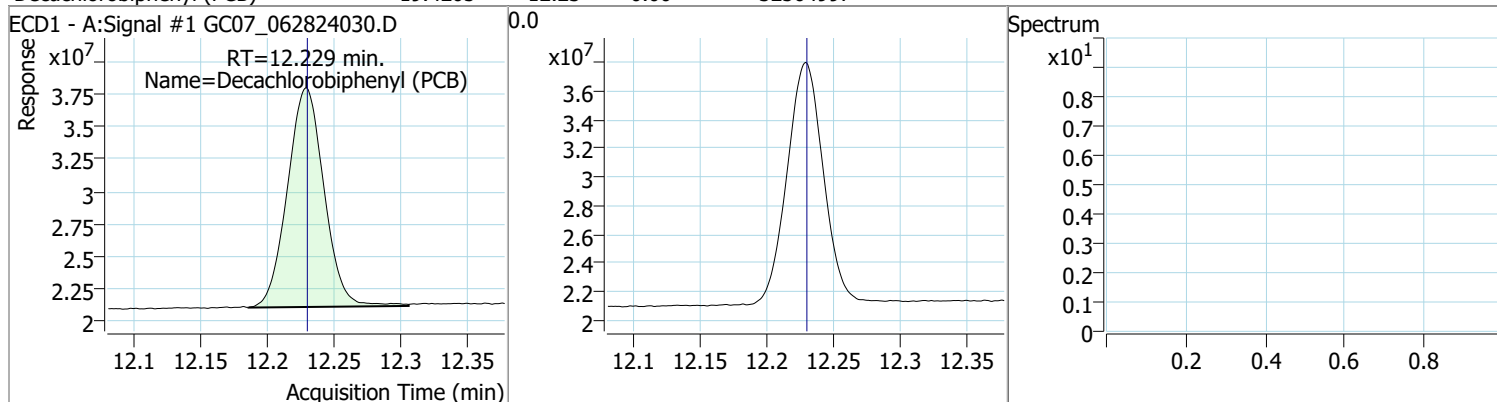
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	463.3839	11.17	0.00	10737658				



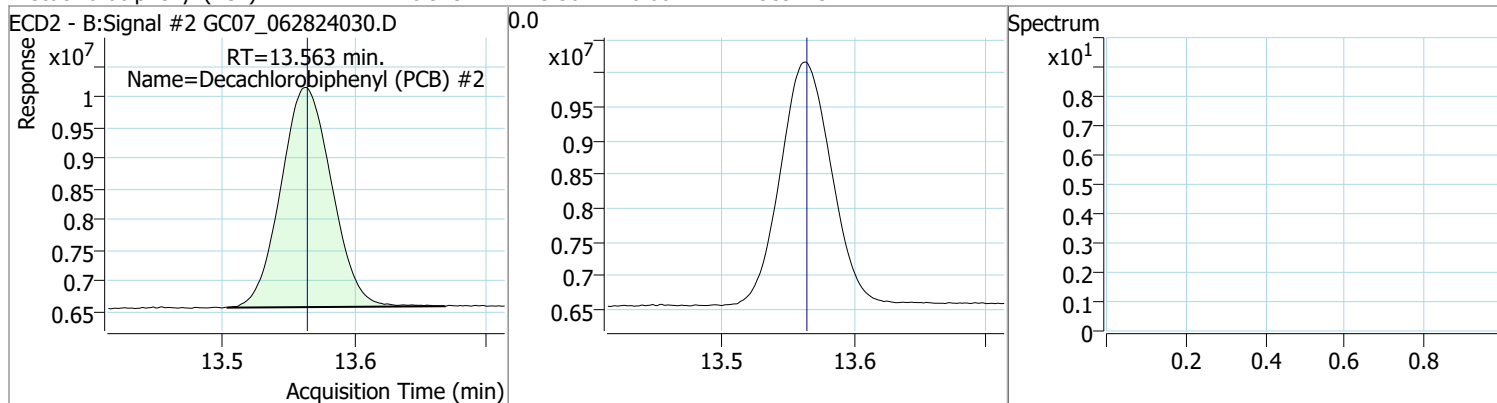
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	434.8618	11.87	0.00	14959701				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.4205	12.23	0.00	32564997				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.9734	13.56	0.00	9597731				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 513228 PCBs Wipe
EPA 8082

Inst: SVOA-GC07	File: gc07_080324004	IDF: 1.0
Seqnum: 464311880004	Caldate: 28-JUN-2024	Time: 03-AUG-2024 14:35
Cal: 464259633001		

Standards: S21104

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	532.1	ug/L	6	15	0.0000	
Aroclor-1260	A			500.0	526.0	ug/L	5	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1027	1.0161	40.00	36.86	pg/uL	-8	15	0.0000	
TCMX (PCB)	A	0.9369	0.9311	40.00	39.75	pg/uL	-1	15	0.0000	
Aroclor-1016	B			500.0	522.2	ug/L	4	15	0.0000	
Aroclor-1260	B			500.0	506.2	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0926	1.1035	40.00	40.40	pg/uL	1	15	0.0000	
TCMX (PCB)	B	0.9593	0.9693	40.00	40.42	pg/uL	1	15	0.0000	

ISTD (ICAL gc07_062824021)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8040733	8121529	1.00
1-bromo-2-nitrobenzene (PCB)	A	28707643	35201723	22.62

08/03/24 : 500 PPB PCB CCV

KLR 08/03/24 [Aroclor-1016 A]: Corrected automatically drawn baseline for Ch. A.

KLR 08/03/24 [Aroclor-1260 A]: Separated from coeluting peak for all channels.

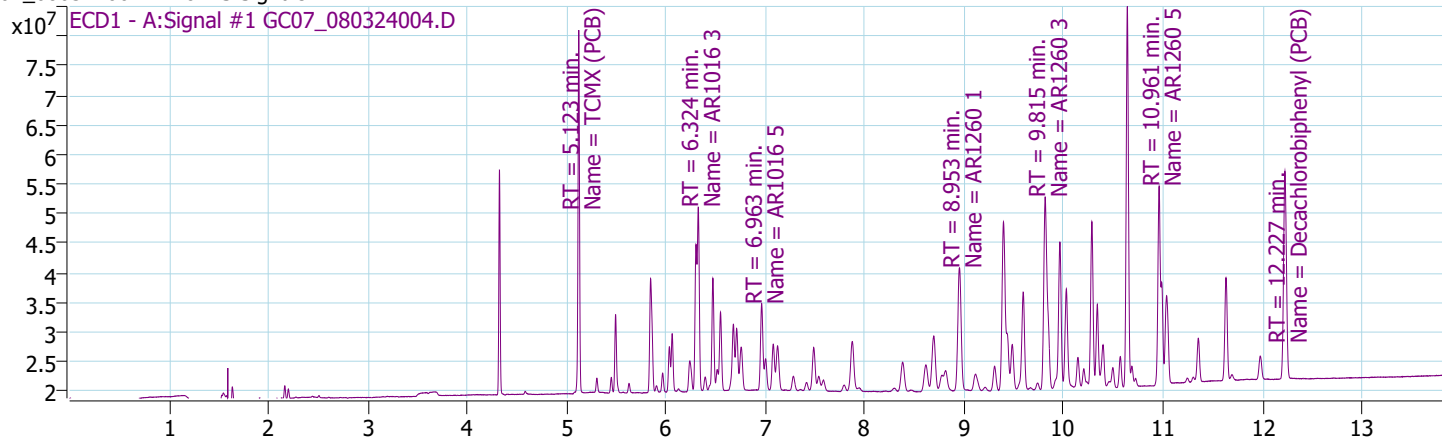
Analyst: KLR 08/03/24

Reviewer: MTS 08/05/24

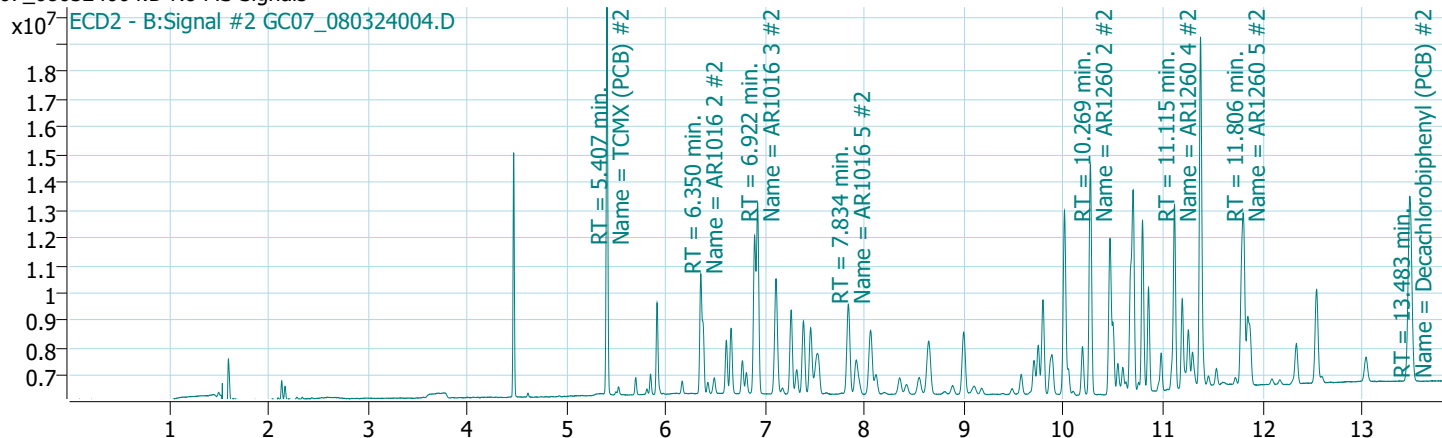
Quantitation Results Report (Not Reviewed)

Data File	GC07_080324004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	8/3/2024 2:35:37 PM
Sample Name	CCV, S21104	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_062824_GC07_27.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	080324_PCB.batch.bin	Last Calib Update	6/28/2024 6:59:17 PM
Ref Library			

GC07_080324004.D No MS Signals



GC07_080324004.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	35201722.5 33	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.468	0.0	8121528.64 5	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.123	0.0	65553624.0 55	39.7535	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.77%	*	
S TCMX (PCB) #2	5.407	0.0	15744850.8 39	40.4182	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.09%	*	
S Decachlorobiphenyl (PCB)	12.227	0.0	71533421.7 36	36.8573	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.29%	*	
S Decachlorobiphenyl (PCB) #2	13.483	0.0	17924864.6 72	40.4005	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.00%	*	

Target Compounds

GC07_080324004.D

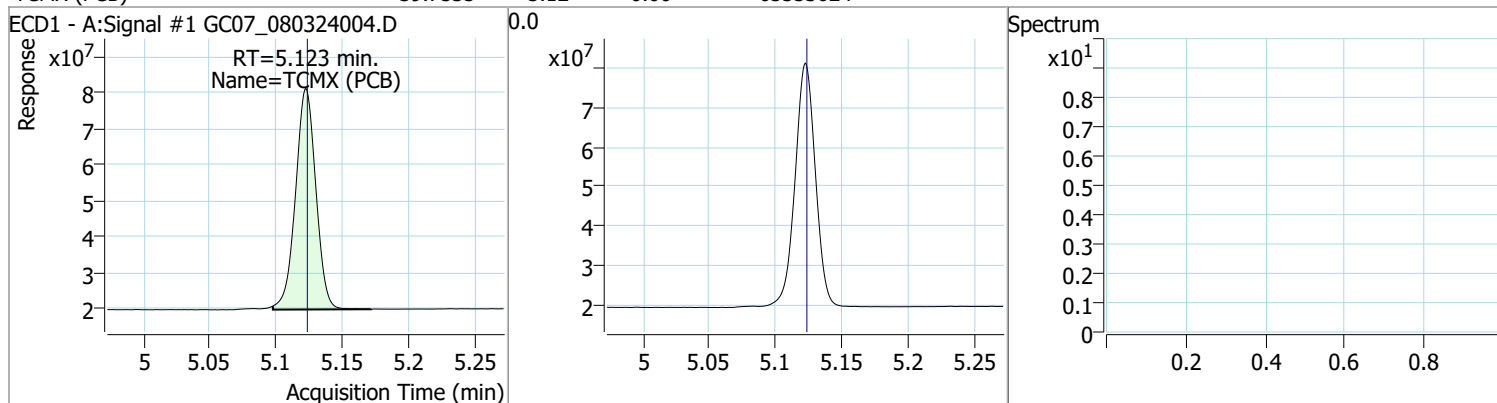
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.493	0.0	16385223.1 26	532.5124	ng/ml	100
T AR1016 2	5.845	0.0	33004437.2 56	516.3291	ng/ml	100
T AR1016 1 #2	5.910	0.0	4325914.50 2	504.4711	ng/ml	100
T AR1016 3	6.324	0.0	43114385.6 03	569.0158	ng/ml	100
T AR1016 2 #2	6.350	0.0	9267593.01 5	523.0955	ng/ml m	100
T AR1016 4	6.472	0.0	27529176.2 47	514.6884	ng/ml	100
T AR1016 3 #2	6.922	0.0	11417847.1 40	516.7274	ng/ml	100
T AR1016 5	6.963	0.0	24825982.7 64	528.0389	ng/ml	100
T AR1016 4 #2	7.107	0.0	8541507.61 7	522.9136	ng/ml	100
T AR1016 5 #2	7.834	0.0	7181730.39 1	543.6156	ng/ml	100
T AR1260 1	8.953	0.0	48895156.0 36	518.5383	ng/ml	100
T AR1260 2	9.395	0.0	76497717.7 17	531.1809	ng/ml	100
T AR1260 3	9.815	0.0	82781313.7 37	534.2381	ng/ml	100
T AR1260 1 #2	10.008	0.0	12685642.3 85	539.9003	ng/ml m	100
T AR1260 2 #2	10.269	0.0	14536905.0 17	492.4830	ng/ml	100
T AR1260 4	10.284	0.0	46889230.8 55	523.4156	ng/ml	100
T AR1260 3 #2	10.699	0.0	17835229.7 83	501.9732	ng/ml	100
T AR1260 5	10.961	0.0	56044783.4 25	522.4528	ng/ml m	100
T AR1260 4 #2	11.115	0.0	11359882.0 50	505.6328	ng/ml	100
T AR1260 5 #2	11.806	0.0	16385211.3 67	491.2590	ng/ml	100

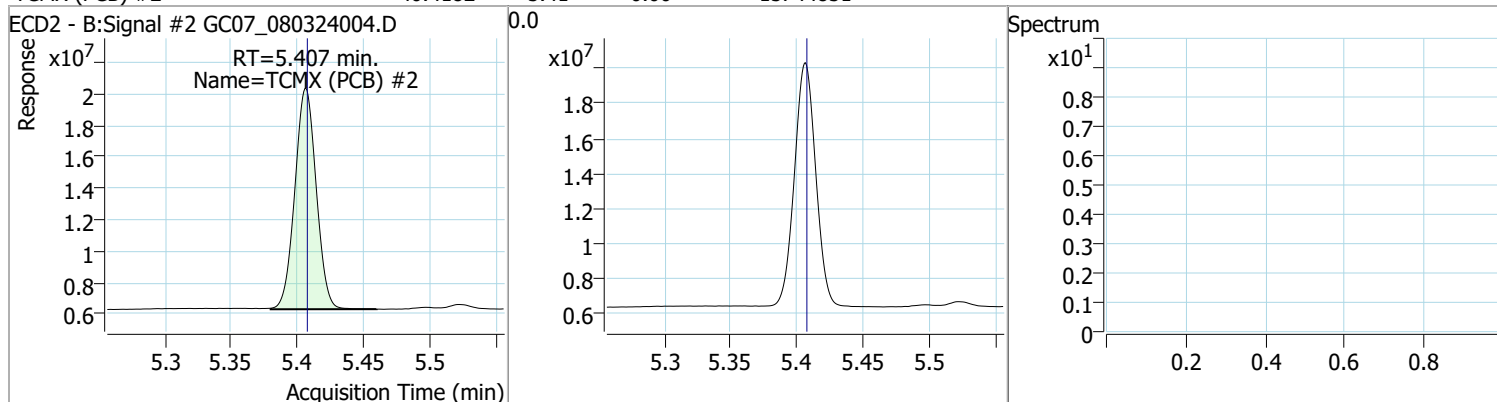
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

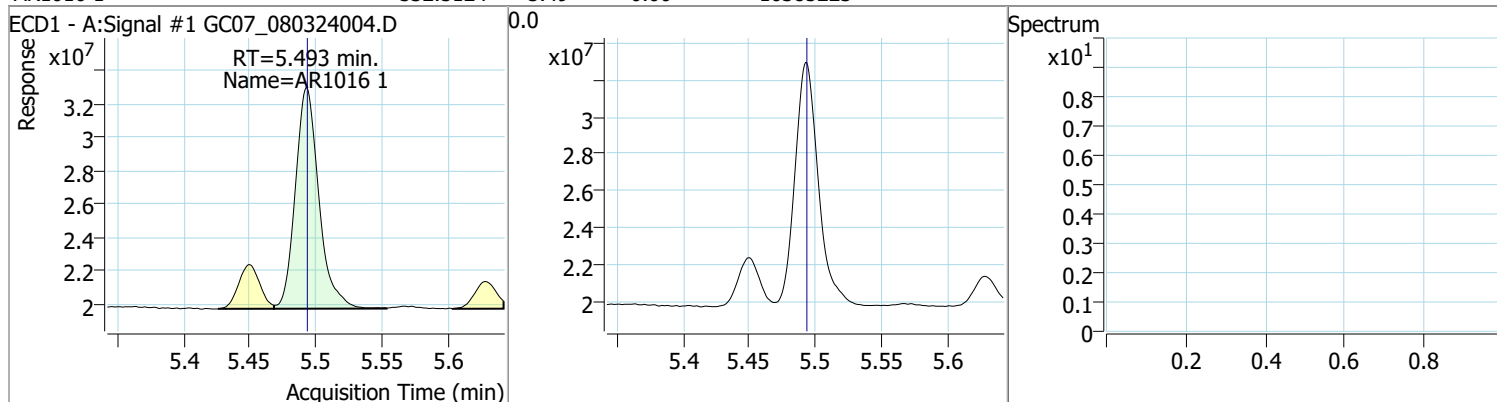
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.7535	5.12	0.00	65553624				



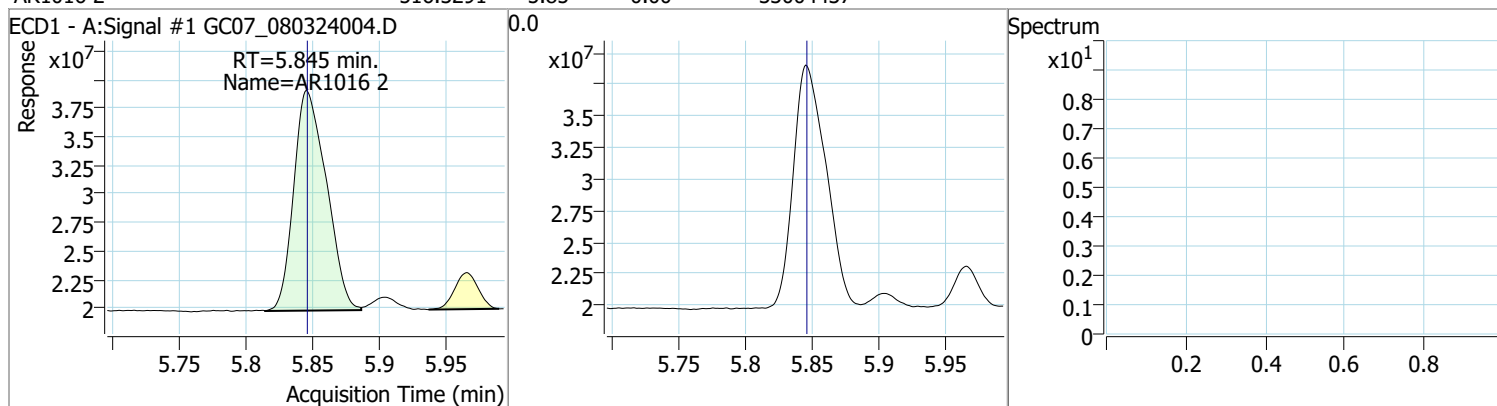
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.4182	5.41	0.00	15744851				



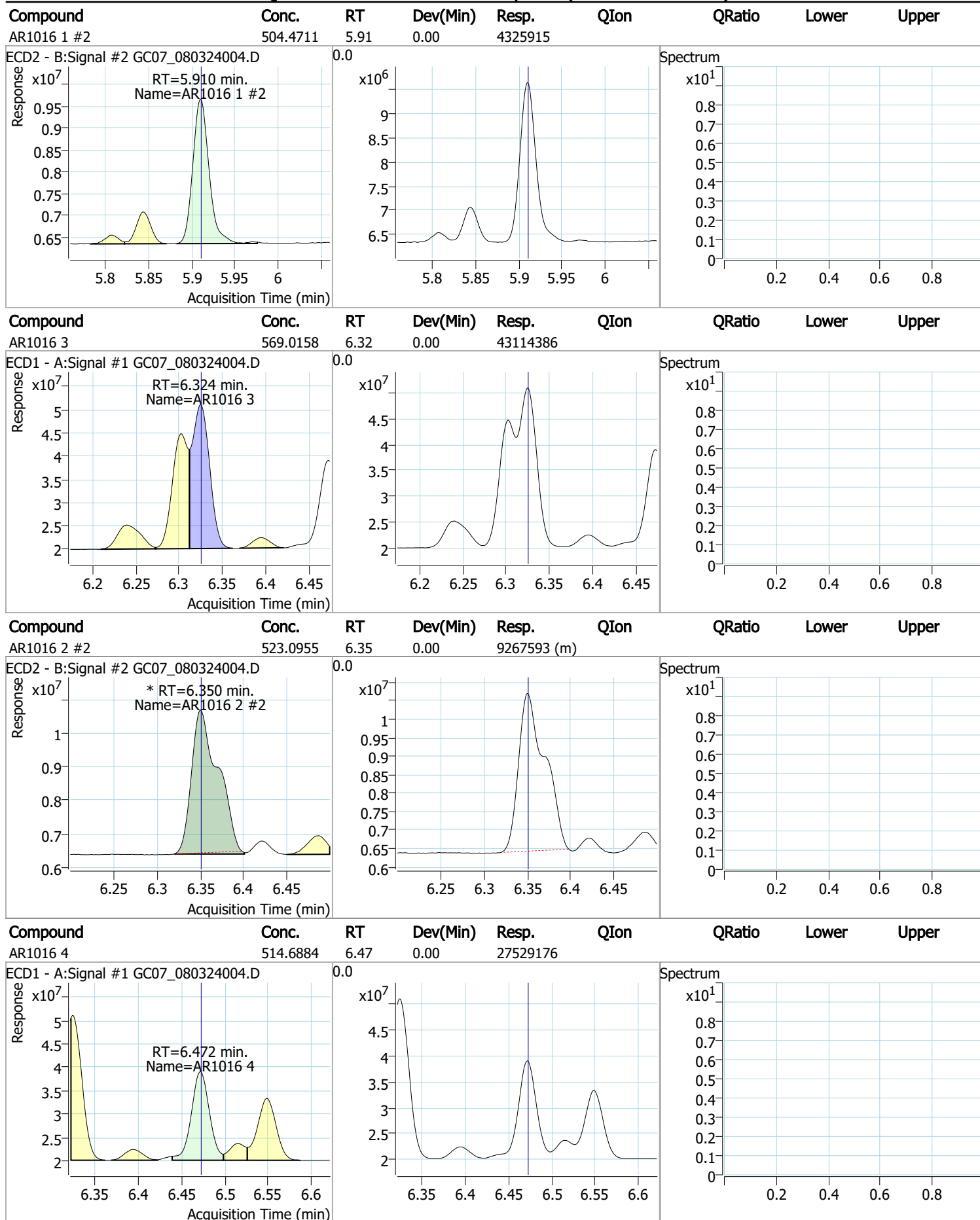
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	532.5124	5.49	0.00	16385223				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	516.3291	5.85	0.00	33004437				

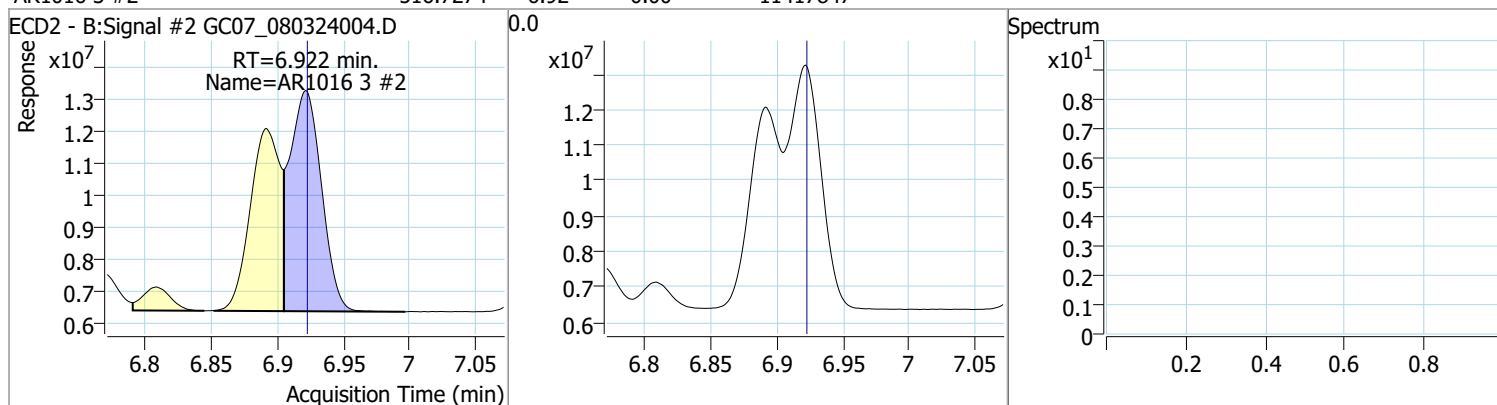


Quantitation Results Report (Not Reviewed)

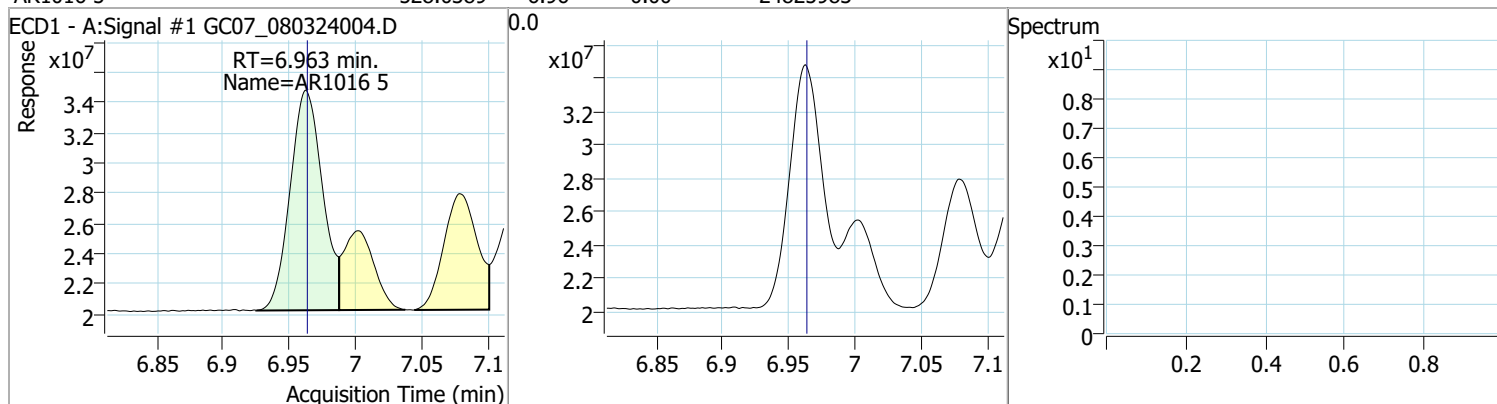


Quantitation Results Report (Not Reviewed)

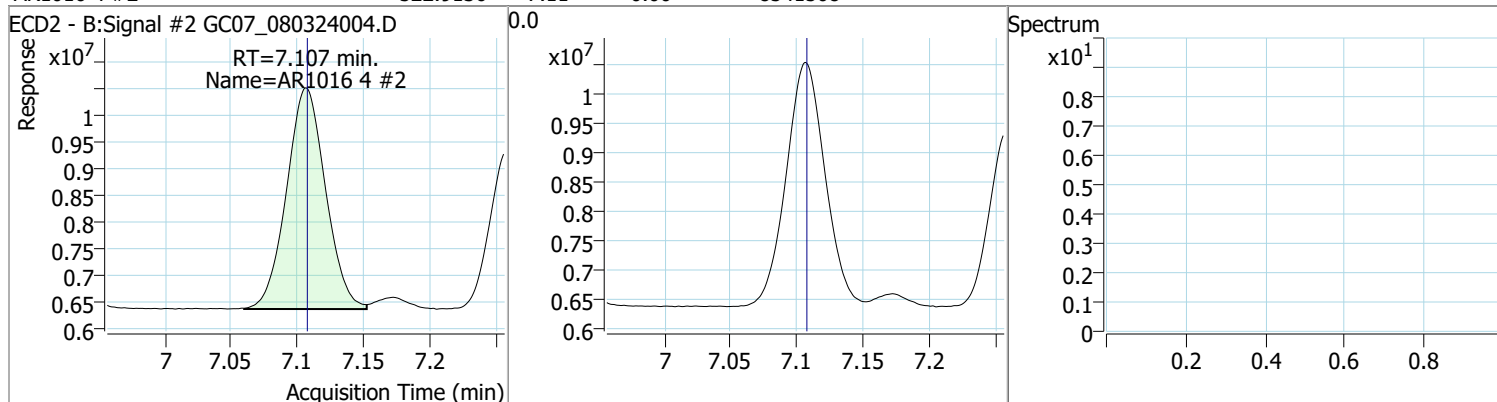
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	516.7274	6.92	0.00	11417847				



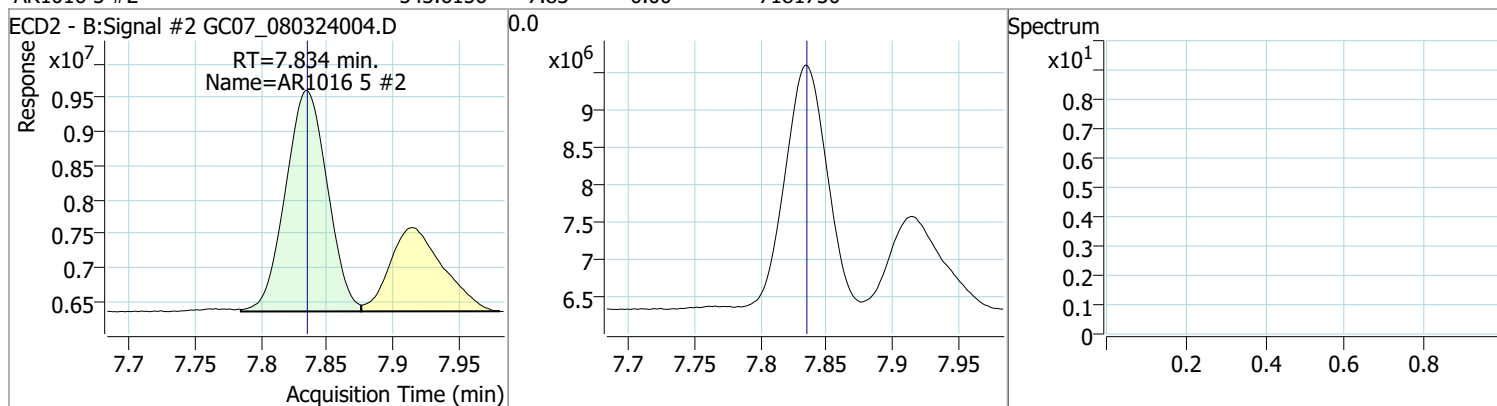
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	528.0389	6.96	0.00	24825983				



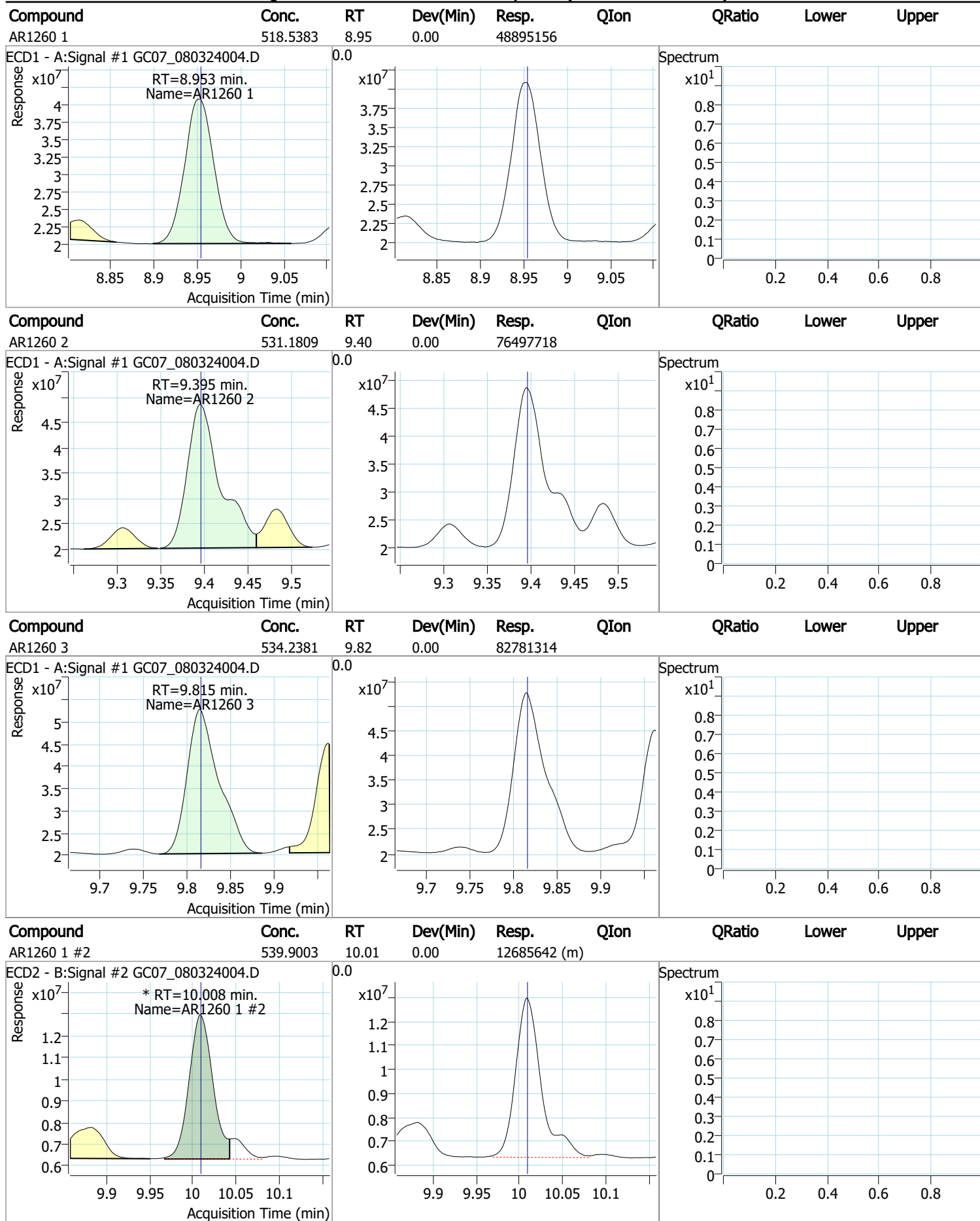
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	522.9136	7.11	0.00	8541508				



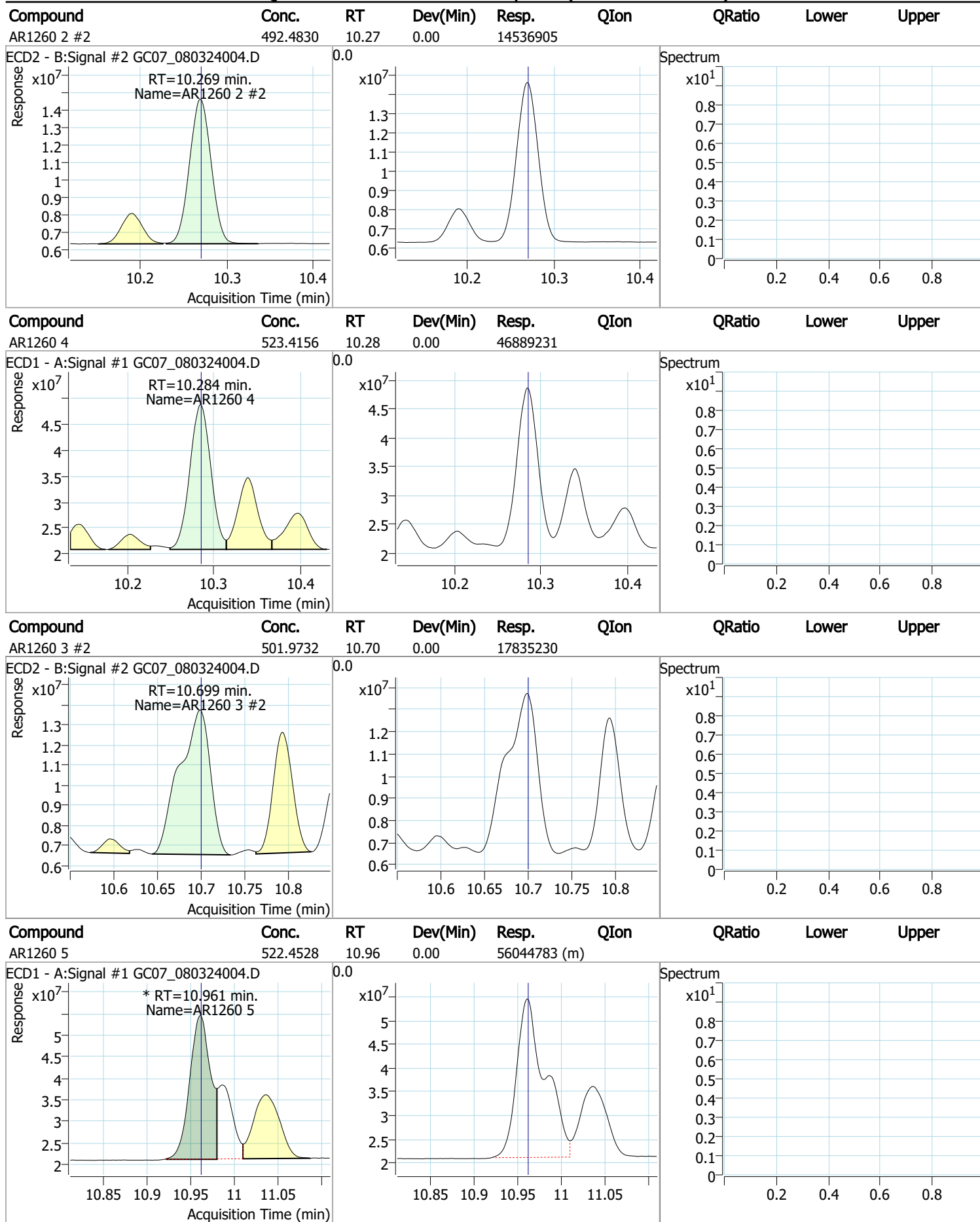
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	543.6156	7.83	0.00	7181730				



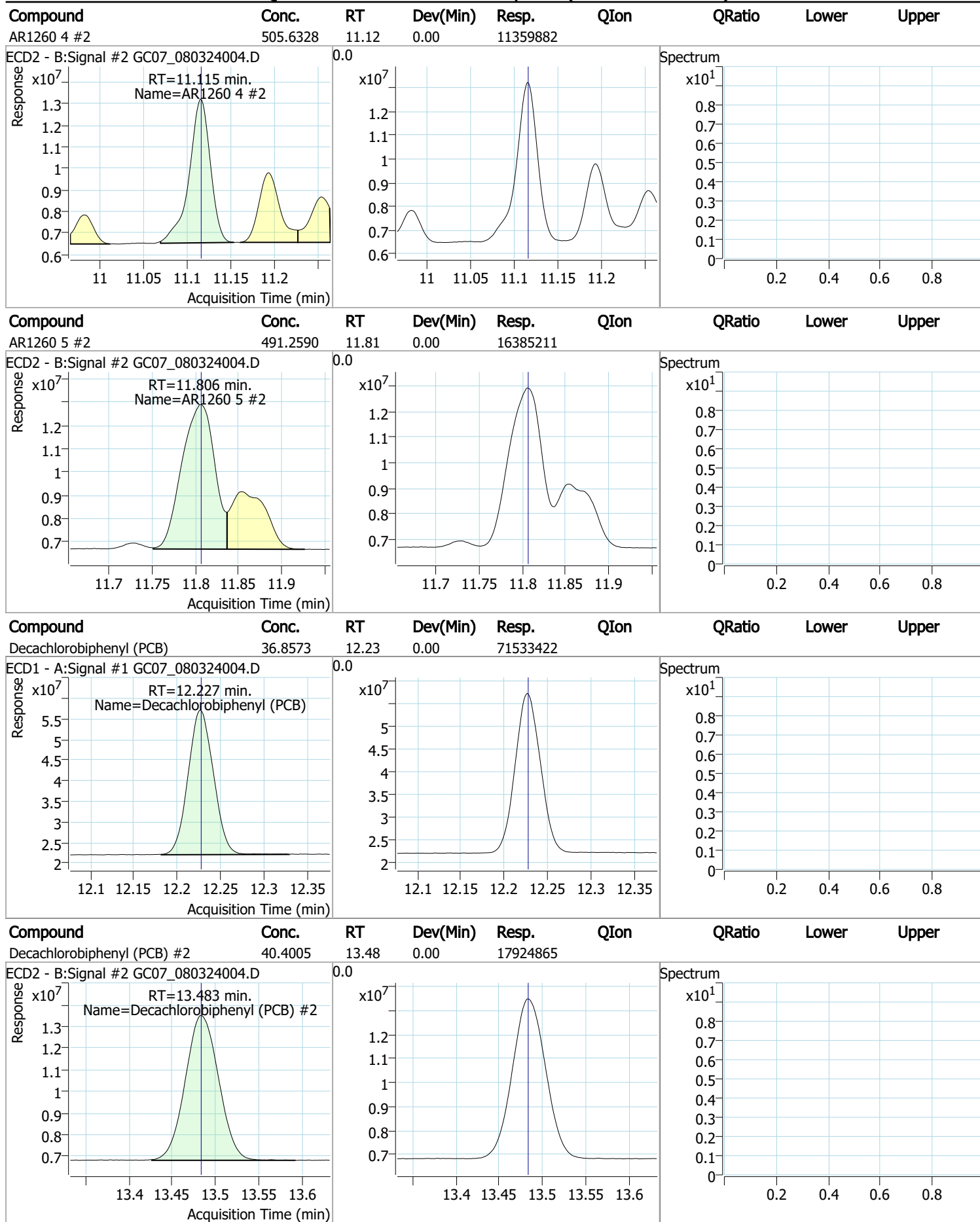
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)





Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 513228
Report Level : IV
Report Date : 08/08/2024

Metals

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 513228
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/31/24

Sample ID	Lab ID	Collected	Matrix
DOOR-S-15.8GW-PS-21-240731-L-G	513228-002	07/31/24 07:30	Wipe
DOOR-S-15.6GE-DG-7 TO 20-240731-L-LA	513228-004	07/31/24 07:45	Wipe
DOOR-S-15.7GE-INT-20 TO 21-240731-L-CB	513228-006	07/31/24 07:55	Wipe
DOOR-S-15.8GW-DG-6 TO 20-240731-L-LA	513228-008	07/31/24 08:10	Wipe
DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA	513228-010	07/31/24 08:20	Wipe
DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-LA	513228-011	07/31/24 08:20	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 513228
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 07/31/24

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 08/01/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

513228

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange		COC ID:		Standard:		3 Day:	
951 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Page:		X (PCBs)		custom TAT:	
1 of 1		1		1 Day:		X (PB)	
Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Preservatives: 1 = Na ₂ S ₂ O ₅ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other		Report: Level IV		Sample Receipt Temp: (lab use only)	
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request		Test Instructions / Comments	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721			Confirmation Wine Samples - Level IV	
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP			Report/Stage 3 Validation	
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491			Report PCB concentrations on a µg/100cm ² basis	
Address:	449 15th Street, Suite 303	P.O. #:				Report lead concentrations on a µg/l ₂ basis	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA			Report Aroclor 1268 concentrations in addition to the standard Aroclors	
Phone:	(651) 890-9556	Global ID:				Wipe samples collected from Zone 8 Enclosure B (Low Occupancy)	
Fax:		Sampled By:	D. Wulsh				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/60109
1 DOOR-S-15.8GW-PS-21-240731-P-G	7/31/2024	0730	WP	1	--	X	
2 DOOR-S-15.8GW-PS-21-240731-L-G	7/31/2024	0730	WP	1	--	X	
3 DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA	7/31/2024	0745	WP	1	--	X	
4 DOOR-S-15.6GE-DG-7 TO 20-240731-L-LA	7/31/2024	0745	WP	1	--	X	
5 DOOR-S-15.7GE-INT-20 TO 21-240731-P-CB	7/31/2024	0755	WP	1	--	X	
6 DOOR-S-15.7GE-INT-20 TO 21-240731-L-CB	7/31/2024	0755	WP	1	--	X	
7 DOOR-S-15.8GW-DG-6 TO 20-240731-P-LA	7/31/2024	0810	WP	1	--	X	
8 DOOR-S-15.8GW-DG-6 TO 20-240731-L-LA	7/31/2024	0810	WP	1	--	X	
9 DOOR-S-15.8GE-DG-6 TO 19-240731-P-LA	7/31/2024	0820	WP	1	--	X	
10 DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA	7/31/2024	0820	WP	1	--	X	
11 DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-LA	7/31/2024	0820	WP	1	--	X	
12 DOOR-S-15.7GW-INT-20 TO 21-240731-P-CB	7/31/2024		WP	1	--	X	
13 DOOR-S-15.7GW-INT-20 TO 21-240731-L-CB	7/31/2024		WP	1	--	X	
14					--		
15					--		
Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By:	<i>[Signature]</i>	Donald Wulsh		Rincon / Env. Scientist		7/31/24 1430	
1 Received By:	<i>[Signature]</i>	Lindsay Hudson		ENTHACPY		7/31/24 1430	
2 Relinquished By:	<i>[Signature]</i>	Lindsay Hudson				7/31/24 1615	
2 Received By:	<i>[Signature]</i>	Barnum Hys		Bnt		8/5/24 1615	
2 Relinquished By:	<i>[Signature]</i>	Jesse Peterson		ENTHACPY		7/31/24 1819	
2 Received By:	<i>[Signature]</i>	Tina May		ENTHACPY		8/1/24 1819	

The below sample checklist was completed after delivery of samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were applied to the cooler.

SAMPLE RECEIPT CHECKLIST

Section 1: General Info
 Date Received: 7.31.24

Login # 513228

Client: Rincon



Section 2: Shipping / Custody
 Shipping Info: _____
 Are custody seals present? ☒ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package
 Custody seals intact on arrival? ☐ Yes ☐ No ☒ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging Important: Notify PM if temperature exceeds 6°C or arrive frozen
 Date Opened 7.31.24 By (print) Jadz Peterson (sign) 
☒ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)
 If no cooler: Sample Temp (°C): _____
 How many coolers? 1 Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____
 Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C
 Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☒ Yes, ☐ No

Section 4: Containers / Labels / Samples

	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	/		
Were Method 5035 sampling containers present? Transferred to freezer @: _____			/
Did all containers arrive unbroken/unopened?			/
Are there any missing / extra samples?			/
Are samples in the appropriate containers for indicated tests?			/
Are sample labels present, in good condition and complete?			/
Does the container count match the COC?			/
Do the sample labels agree with custody papers?			/
Was sufficient amount of sample sent for tests requested?			/
Did you change the hold time in LIMS for unpreserved VOAs?			/
Did you change the hold time in LIMS for preserved terracores?			/
Are bubbles > 6mm present in VOA samples?			/
Was the client contacted about this delivery? Contacted: _____ By: _____ Date: _____			/

Section 5: Preservatives

	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			/
Did any samples / containers require preservation upon receipt?			/
Did you document your preservative check in the bench book?			/

Preservative added:

☐ H2SO4 lot# _____	added to samples _____	Date/Time _____
☐ HCL lot# _____	added to samples _____	Date/Time _____
☐ HNO3 lot# _____	added to samples _____	Date/Time _____
☐ CrVI Buffer lot# _____	added to samples _____	Date/Time _____

Section 6: Explanations / Comments

Date Logged	<u>7.31.24</u>	By (print)	<u>Jadz Peterson</u>	(sign)	
Date Labeled	<u>7.31.24</u>	By (print)	<u>Jadz Peterson</u>	(sign)	



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hanger, 1 NCTA VP

Date Received: 8/1/24 Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) _____
(No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 2.3 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	☒	☐	☐
Are sample IDs present?	☒	☐	☐
Are sampling dates & times present?	☒	☐	☐
Is a relinquished signature present?	☒	☐	☐
Are the tests required clearly indicated on the COC?	☒	☐	☐
Are custody seals present?	☒	☐	☐
If custody seals are present, were they intact?	☒	☐	☐
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	☐	☐	☒
Did all samples arrive intact? If no, indicate in Section 4 below.	☒	☐	☐
Did all bottle labels agree with COC? (ID, dates and times)	☒	☐	☐
Were the samples collected in the correct containers for the required tests?	☒	☐	☐
Are the containers labeled with the correct preservatives?	☐	☐	☒
Is there headspace in the VOA vials greater than 5-6 mm in diameter?	☐	☐	☒
Was a sufficient amount of sample submitted for the requested tests?	☒	☐	☐

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____
☐ Email (email sent to/on): _____ / _____

Project Manager's response: _____

Completed By: Erin Kelly Date: 8/1/24

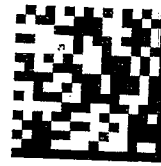
SOUTHWEST AIRLINES

Printed on:
31 JUL 19:37

526 OAK 1581 3114



SNA	PC#	DG	LOT WT
	7 OF 8	G	300 LB (136.1 KG)
<u>Temp</u>			
1.7 / 2.3			
OAK	WN 941	01 AUG	06:20
STN	FLT	DATE	ETD LOT 01



PC ID: 0007
PC WT: 37LB
526 15813114 0007

S

Results & QC Summary

Lead

Lab #: 513228		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.8GW-PS-21-240731-L-G	Batch#: 346644	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 6010B	
Lab ID: 513228-002	Received: 07/31/24	Analyst: DXC	
Matrix: Wipe	Prepared: 08/01/24		
Diln Fac: 1.000	Analyzed: 08/01/24		
513228-002 Analyte		Result	RL Units
Lead		75	0.50 ug/ft2
Field ID: DOOR-S-15.6GE-DG-7 TO 20-240731-L-LA		Batch#: 346644	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/31/24	Analysis: EPA 6010B
Lab ID: 513228-004		Received: 07/31/24	Analyst: DXC
Matrix: Wipe		Prepared: 08/01/24	
Diln Fac: 1.000		Analyzed: 08/01/24	
513228-004 Analyte		Result	RL Units
Lead		150	0.50 ug/ft2
Field ID: DOOR-S-15.7GE-INT-20 TO 21-240731-L-CB		Batch#: 346644	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/31/24	Analysis: EPA 6010B
Lab ID: 513228-006		Received: 07/31/24	Analyst: DXC
Matrix: Wipe		Prepared: 08/01/24	
Diln Fac: 1.000		Analyzed: 08/01/24	
513228-006 Analyte		Result	RL Units
Lead		30	0.50 ug/ft2
Field ID: DOOR-S-15.8GW-DG-6 TO 20-240731-L-LA		Batch#: 346644	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/31/24	Analysis: EPA 6010B
Lab ID: 513228-008		Received: 07/31/24	Analyst: DXC
Matrix: Wipe		Prepared: 08/01/24	
Diln Fac: 1.000		Analyzed: 08/01/24	
513228-008 Analyte		Result	RL Units
Lead		90	0.50 ug/ft2
Field ID: DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA		Batch#: 346644	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/31/24	Analysis: EPA 6010B
Lab ID: 513228-010		Received: 07/31/24	Analyst: DXC
Matrix: Wipe		Prepared: 08/01/24	
Diln Fac: 1.000		Analyzed: 08/01/24	
513228-010 Analyte		Result	RL Units
Lead		68	0.50 ug/ft2

Lead

Lab #: 513228	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-LA	Batch#: 346644	Prep: EPA 3050B
Type: SAMPLE	Sampled: 07/31/24	Analysis: EPA 6010B
Lab ID: 513228-011	Received: 07/31/24	Analyst: DXC
Matrix: Wipe	Prepared: 08/01/24	
Diln Fac: 1.000	Analyzed: 08/01/24	

513228-011 Analyte	Result	RL	Units
Lead	120	0.50	ug/ft2

Type: BLANK	Batch#: 346644	Analysis: EPA 6010B
Lab ID: QC1174504	Prepared: 08/01/24	Analyst: DXC
Matrix: Wipe	Analyzed: 08/01/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1174504 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 513228

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1174506

Matrix: Wipe

Diln Fac: 1.000

Batch#: 346644

Prepared: 08/01/24

Analyzed: 08/01/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: DXC

QC1174506 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.69	105	80-120	ug/ft2

Type: BSD

Lab ID: QC1174507

Matrix: Wipe

Diln Fac: 1.000

Batch#: 346644

Prepared: 08/01/24

Analyzed: 08/01/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: DXC

QC1174507 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.67	103	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent
Difference

REPORTING SUMMARY FOR 513228 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	P B
513228-002	MET12	08/01/24 20:28	1.0	✓
513228-004	MET12	08/01/24 20:32	1.0	✓
513228-006	MET12	08/01/24 20:35	1.0	✓
513228-008	MET12	08/01/24 20:38	1.0	✓
513228-010	MET12	08/01/24 20:41	1.0	✓
513228-011	MET12	08/01/24 20:44	1.0	✓
QC1174504	MET12	08/01/24 20:00	1.0	✓
QC1174506	MET12	08/01/24 20:03	1.0	✓
QC1174507	MET12	08/01/24 20:06	1.0	✓

Instrument: MET12
Method: EPA 6010B

Begun: 08/01/24 10:36

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				08/01/24 10:36	1.0		
002	icp data	ICAL	L1			08/01/24 10:39	1.0	1	
003	icp data	ICAL	L2			08/01/24 10:42	1.0	2	
004	icp data	ICAL	L3			08/01/24 10:45	1.0	3	
005	icp data	ICAL	L4			08/01/24 10:49	1.0	4	
006	icp data	ICAL	L5			08/01/24 10:52	1.0	5	
007	icp data	ICAL	L6			08/01/24 10:55	1.0	6	
008	icp data	ICAL	L7			08/01/24 10:58	1.0	7	
009	icp data	ICAL	L8			08/01/24 11:01	1.0	8	
010	icp data	ICV				08/01/24 11:04	1.0	9	
011	icp data	ICB				08/01/24 11:07	1.0		
012	icp data	CRI				08/01/24 11:10	1.0	10	
013	icp data	ICSA				08/01/24 11:14	1.0	11	6:MGASMGCO3=1500
014	icp data	ICSAB				08/01/24 11:17	1.0	12	6:MGASMGCO3=1500
015	icp data	BLANK	QC1174399	Water	346605	08/01/24 11:21	1.0	13	
016	icp data	LCS	QC1174400	Water	346605	08/01/24 11:24	1.0	13	
017	icp data	MSS	513095-001	Water	346605	08/01/24 11:27	1.0	13	4:CAASCACO3=750
018	icp data	MS	QC1174401	Water	346605	08/01/24 11:30	1.0	13	4:CAASCACO3=790
019	icp data	MSD	QC1174402	Water	346605	08/01/24 11:33	1.0	13	4:CAASCACO3=800
020	icp data	SAMPLE	513262-001	Water	346605	08/01/24 11:36	1.0	13	1:FE=47
021	icp data	SAMPLE	513262-002	Water	346605	08/01/24 11:39	1.0	13	1:FE=42
022	icp data	SAMPLE	513262-003	Water	346605	08/01/24 11:42	1.0	13	1:FE=40
023	icp data	SAMPLE	513262-004	Water	346605	08/01/24 11:46	1.0	13	
024	icp data	SAMPLE	513262-005	Water	346605	08/01/24 11:49	1.0	13	1:FE=40
025	icp data	CCV				08/01/24 11:52	1.0	9	
026	icp data	CCB				08/01/24 11:55	1.0		
027	icp data	SAMPLE	513118-001	Water	346605	08/01/24 11:58	1.0	13	1:NA=1100
028	icp data	SAMPLE	513219-001	Water	346605	08/01/24 12:01	1.0	13	5:FE=470
029	icp data	MSS	513095-001	Water	346605	08/01/24 12:04	10.0	13	
030	icp data	MS	QC1174401	Water	346605	08/01/24 12:08	10.0	13	
031	icp data	MSD	QC1174402	Water	346605	08/01/24 12:11	10.0	13	
032	icp data	SAMPLE	513219-001	Water	346605	08/01/24 12:27	10.0	13	2:FE=80
033	icp data	CCV				08/01/24 12:30	1.0	9	
034	icp data	CCB				08/01/24 12:33	1.0		
035	icp data	BLANK	QC1174321	Soil	346590	08/01/24 12:49	1.0	13	
036	icp data	LCS	QC1174322	Soil	346590	08/01/24 12:53	1.0	13	
037	icp data	SAMPLE	513188-001	Soil	346590	08/01/24 12:56	1.0	13	3:FE=150
038	icp data	SAMPLE	513188-002	Soil	346590	08/01/24 12:59	1.0	13	3:FE=150
039	icp data	SAMPLE	513188-003	Soil	346590	08/01/24 13:02	1.0	13	3:FE=160
040	icp data	SAMPLE	513188-004	Soil	346590	08/01/24 13:05	1.0	13	3:FE=160
041	icp data	SAMPLE	513188-005	Soil	346590	08/01/24 13:08	1.0	13	3:FE=150
042	icp data	SAMPLE	513188-006	Soil	346590	08/01/24 13:11	1.0	13	2:FE=140
043	icp data	SAMPLE	513188-007	Soil	346590	08/01/24 13:14	1.0	13	3:FE=160
044	icp data	SAMPLE	513188-008	Soil	346590	08/01/24 13:18	1.0	13	3:FE=150
045	icp data	CCV				08/01/24 13:21	1.0	9	
046	icp data	CCB				08/01/24 13:24	1.0		
047	icp data	SAMPLE	513188-009	Soil	346590	08/01/24 13:27	1.0	13	3:FE=150
048	icp data	SAMPLE	513188-010	Soil	346590	08/01/24 13:30	1.0	13	3:FE=160
049	icp data	SAMPLE	513188-011	Soil	346590	08/01/24 13:33	1.0	13	2:FE=130
050	icp data	SAMPLE	513188-012	Soil	346590	08/01/24 13:36	1.0	13	2:FE=140
051	icp data	MSS	513203-001	Soil	346590	08/01/24 13:39	1.0	13	4:FEASFE2O3=160
052	icp data	MS	QC1174323	Soil	346590	08/01/24 13:43	1.0	13	4:ALASAL2O3=210
053	icp data	MSD	QC1174324	Soil	346590	08/01/24 13:46	1.0	13	4:ALASAL2O3=180
054	icp data	PDS	QC1174325	Soil	346590	08/01/24 13:49	1.0	13	4:FEASFE2O3=160
055	icp data	SAMPLE	513203-002	Soil	346590	08/01/24 13:52	1.0	13	2:FE=130

Instrument: MET12
Method: EPA 6010B

Begun: 08/01/24 10:36

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
056	icp data	SAMPLE	513203-003	Soil	346590	08/01/24 13:55	1.0	13	2:FE=140
057	icp data	CCV				08/01/24 13:58	1.0	9	
058	icp data	CCB				08/01/24 14:01	1.0		
059	icp data	SAMPLE	513203-004	Soil	346590	08/01/24 14:04	1.0	13	2:FE=130
060	icp data	SAMPLE	513203-005	Soil	346590	08/01/24 14:07	1.0	13	2:FE=120
061	icp data	SAMPLE	513203-006	Soil	346590	08/01/24 14:11	1.0	13	2:FE=100
062	icp data	SAMPLE	513203-007	Soil	346590	08/01/24 14:14	1.0	13	2:FE=97
063	icp data	SAMPLE	513203-008	Soil	346590	08/01/24 14:17	1.0	13	2:FE=89
064	icp data	BLANK	QC1174282	Soil	346572	08/01/24 14:20	1.0	13	
065	icp data	LCS	QC1174283	Soil	346572	08/01/24 14:23	1.0	13	
066	icp data	SAMPLE	513025-001	Soil	346572	08/01/24 14:26	1.0	13	2:FE=79
067	icp data	SAMPLE	513025-002	Soil	346572	08/01/24 14:29	1.0	13	2:AL=90
068	icp data	SAMPLE	513025-003	Soil	346572	08/01/24 14:32	1.0	13	2:AL=120
069	icp data	CCV				08/01/24 14:36	1.0	9	
070	icp data	CCB				08/01/24 14:39	1.0		
071	icp data	SAMPLE	513084-001	Miscell.	346572	08/01/24 14:42	1.0	13	3:FE=160
072	icp data	SAMPLE	513092-001	Miscell.	346572	08/01/24 14:45	1.0	13	7:NA=1200
073	icp data	SAMPLE	513092-002	Miscell.	346572	08/01/24 14:48	1.0	13	4:ZN=190
074	icp data	SAMPLE	513092-003	Miscell.	346572	08/01/24 14:51	1.0	13	4:ZN=230
075	icp data	SAMPLE	513092-004	Miscell.	346572	08/01/24 14:54	1.0	13	8:NA=1400
076	icp data	SAMPLE	513092-005	Miscell.	346572	08/01/24 14:57	1.0	13	4:FE=530
077	icp data	SAMPLE	513092-005	Miscell.	346572	08/01/24 15:01	10.0	13	1:FE=91
078	icp data	SAMPLE	513111-001	Miscell.	346572	08/01/24 15:04	1.0	13	
079	icp data	SAMPLE	513116-005	Soil	346572	08/01/24 15:07	1.0	13	2:FE=190
080	icp data	SAMPLE	513116-010	Soil	346572	08/01/24 15:10	1.0	13	2:FE=190
081	icp data	CCV				08/01/24 15:13	1.0	9	
082	icp data	CCB				08/01/24 15:16	1.0		
083	icp data	SAMPLE	513116-015	Soil	346572	08/01/24 15:19	1.0	13	2:FE=180
084	icp data	MSS	513140-001	Soil	346572	08/01/24 15:22	1.0	13	4:FEASFE2O3=170
085	icp data	MS	QC1174284	Soil	346572	08/01/24 15:26	1.0	13	4:FEASFE2O3=180
086	icp data	MSD	QC1174285	Soil	346572	08/01/24 15:29	1.0	13	4:FEASFE2O3=190
087	icp data	PDS	QC1174286	Soil	346572	08/01/24 15:32	1.0	13	4:FEASFE2O3=170
088	icp data	SAMPLE	513140-002	Soil	346572	08/01/24 15:35	1.0	13	3:FE=170
089	icp data	SAMPLE	513144-001	Soil	346572	08/01/24 15:38	1.0	13	2:AL=110
090	icp data	SAMPLE	513144-002	Soil	346572	08/01/24 15:41	1.0	13	2:FE=150
091	icp data	BLANK	QC1174365	Soil	346598	08/01/24 15:44	1.0	13	
092	icp data	LCS	QC1174366	Soil	346598	08/01/24 15:47	1.0	13	
093	icp data	CCV				08/01/24 15:51	1.0	9	
094	icp data	CCB				08/01/24 15:54	1.0		
095	icp data	SAMPLE	513116-020	Soil	346598	08/01/24 15:57	1.0	13	2:FE=190
096	icp data	MSS	513194-001	Soil	346598	08/01/24 16:00	1.0	13	4:ALASAL2O3=280
097	icp data	MS	QC1174367	Soil	346598	08/01/24 16:03	1.0	13	5:ALASAL2O3=350
098	icp data	MSD	QC1174368	Soil	346598	08/01/24 16:06	1.0	13	5:ALASAL2O3=340
099	icp data	PDS	QC1174369	Soil	346598	08/01/24 16:09	1.0	13	5:ALASAL2O3=280
100	icp data	SAMPLE	513194-004	Soil	346598	08/01/24 16:12	1.0	13	3:FE=160
101	icp data	SAMPLE	513194-007	Soil	346598	08/01/24 16:15	1.0	13	2:AL=140
102	icp data	SAMPLE	513194-010	Soil	346598	08/01/24 16:19	1.0	13	2:FE=130
103	icp data	SAMPLE	513194-013	Soil	346598	08/01/24 16:22	1.0	13	2:FE=150
104	icp data	SAMPLE	513194-016	Soil	346598	08/01/24 16:25	1.0	13	3:FE=170
105	icp data	CCV				08/01/24 16:28	1.0	9	
106	icp data	CCB				08/01/24 16:31	1.0		
107	icp data	SAMPLE	513194-019	Soil	346598	08/01/24 16:34	1.0	13	3:FE=150
108	icp data	SAMPLE	513194-022	Soil	346598	08/01/24 16:37	1.0	13	3:FE=160
109	icp data	SAMPLE	513194-025	Soil	346598	08/01/24 16:40	1.0	13	2:FE=150
110	icp data	SAMPLE	513194-028	Soil	346598	08/01/24 16:44	1.0	13	2:FE=150

Instrument: MET12
Method: EPA 6010B

Begun: 08/01/24 10:36

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
111	icp data	SAMPLE	513194-031	Soil	346598	08/01/24 16:47	1.0	13	3:FE=150
112	icp data	BLANK	QC1174524	Wipe	346648	08/01/24 16:50	1.0	13	
113	icp data	BS	QC1174525	Wipe	346648	08/01/24 16:53	1.0	13	
114	icp data	BSD	QC1174526	Wipe	346648	08/01/24 16:56	1.0	13	
115	icp data	SAMPLE	513257-001	Wipe	346648	08/01/24 16:59	1.0	13	
116	icp data	BLANK	QC1174475	Soil	346634	08/01/24 17:02	1.0	13	
117	icp data	CCV				08/01/24 17:05	1.0	9	
118	icp data	CCB				08/01/24 17:08	1.0		
119	icp data	LCS	QC1174476	Soil	346634	08/01/24 17:12	1.0	13	
120	icp data	MSS	512866-001	Soil	346634	08/01/24 17:15	1.0	13	4:ALASAL2O3=130
121	icp data	MS	QC1174477	Soil	346634	08/01/24 17:18	1.0	13	4:ALASAL2O3=190
122	icp data	MSD	QC1174478	Soil	346634	08/01/24 17:21	1.0	13	4:ALASAL2O3=190
123	icp data	PDS	QC1174479	Soil	346634	08/01/24 17:24	1.0	13	4:ALASAL2O3=130
124	icp data	SAMPLE	512866-002	Soil	346634	08/01/24 17:27	1.0	13	2:AL=64
125	icp data	SAMPLE	512866-003	Soil	346634	08/01/24 17:30	1.0	13	2:AL=64
126	icp data	SAMPLE	512866-004	Soil	346634	08/01/24 17:33	1.0	13	2:AL=57
127	icp data	SAMPLE	512866-005	Soil	346634	08/01/24 17:37	1.0	13	2:AL=89
128	icp data	SAMPLE	512866-006	Soil	346634	08/01/24 17:40	1.0	13	2:AL=52
129	icp data	CCV				08/01/24 17:43	1.0	9	
130	icp data	CCB				08/01/24 17:46	1.0		
131	icp data	SAMPLE	512866-007	Soil	346634	08/01/24 17:49	1.0	13	2:FE=79
132	icp data	SAMPLE	512866-008	Soil	346634	08/01/24 17:52	1.0	13	2:FE=92
133	icp data	SAMPLE	512866-009	Soil	346634	08/01/24 17:55	1.0	13	2:FE=78
134	icp data	SAMPLE	512866-010	Soil	346634	08/01/24 17:58	1.0	13	2:AL=61
135	icp data	SAMPLE	512866-011	Soil	346634	08/01/24 18:01	1.0	13	2:AL=71
136	icp data	SAMPLE	512866-012	Soil	346634	08/01/24 18:05	1.0	13	2:AL=62
137	icp data	SAMPLE	513246-001	Soil	346634	08/01/24 18:08	1.0	13	2:FE=160
138	icp data	SAMPLE	513246-003	Soil	346634	08/01/24 18:11	1.0	13	2:FE=140
139	icp data	SAMPLE	513246-006	Soil	346634	08/01/24 18:14	1.0	13	2:FE=130
140	icp data	SAMPLE	513264-001	Miscell.	346634	08/01/24 18:17	1.0	13	1:FE=44
141	icp data	CCV				08/01/24 18:20	1.0	9	
142	icp data	CCB				08/01/24 18:23	1.0		
143	icp data	SAMPLE	513265-001	Miscell.	346634	08/01/24 18:26	1.0	13	2:AL=130
144	icp data	SAMPLE	513265-002	Miscell.	346634	08/01/24 18:30	1.0	13	2:AL=100
145	icp data	SAMPLE	513265-003	Miscell.	346634	08/01/24 18:33	1.0	13	2:AL=100
146	icp data	BLANK	QC1174500	Wipe	346642	08/01/24 18:36	1.0	13	
147	icp data	BS	QC1174501	Wipe	346642	08/01/24 18:39	1.0	13	
148	icp data	BSD	QC1174502	Wipe	346642	08/01/24 18:42	1.0	13	
149	icp data	SAMPLE	513148-021	Wipe	346642	08/01/24 18:45	1.0	13	2:ZN=290
150	icp data	SAMPLE	513148-022	Wipe	346642	08/01/24 18:48	1.0	13	2:ZN=270
151	icp data	SAMPLE	513148-023	Wipe	346642	08/01/24 18:51	1.0	13	2:FE=100
152	icp data	SAMPLE	513148-024	Wipe	346642	08/01/24 18:55	1.0	13	2:FE=79
153	icp data	CCV				08/01/24 18:58	1.0	9	
154	icp data	CCB				08/01/24 19:01	1.0		
155	icp data	SAMPLE	513148-025	Wipe	346642	08/01/24 19:04	1.0	13	2:ZN=110
156	icp data	SAMPLE	513148-026	Wipe	346642	08/01/24 19:07	1.0	13	2:FE=98
157	icp data	SAMPLE	513148-027	Wipe	346642	08/01/24 19:10	1.0	13	
158	icp data	SAMPLE	513148-028	Wipe	346642	08/01/24 19:13	1.0	13	
159	icp data	SAMPLE	513148-029	Wipe	346642	08/01/24 19:16	1.0	13	
160	icp data	SAMPLE	513148-030	Wipe	346642	08/01/24 19:20	1.0	13	
161	icp data	SAMPLE	513148-031	Wipe	346642	08/01/24 19:23	1.0	13	2:ZN=310
162	icp data	SAMPLE	513149-001	Wipe	346642	08/01/24 19:26	1.0	13	1:FE=37
163	icp data	SAMPLE	513149-002	Wipe	346642	08/01/24 19:29	1.0	13	2:ZN=94
164	icp data	SAMPLE	513149-003	Wipe	346642	08/01/24 19:32	1.0	13	2:ZN=72
165	icp data	CCV				08/01/24 19:35	1.0	9	

Instrument: MET12
Method: EPA 6010B

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#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
166	icp data	CCB				08/01/24 19:38	1.0		
167	icp data	SAMPLE	513149-004	Wipe	346642	08/01/24 19:41	1.0	13	2:ZN=81
168	icp data	SAMPLE	513149-005	Wipe	346642	08/01/24 19:45	1.0	13	1:FE=44
169	icp data	SAMPLE	513149-006	Wipe	346642	08/01/24 19:48	1.0	13	
170	icp data	SAMPLE	513149-007	Wipe	346642	08/01/24 19:51	1.0	13	
171	icp data	SAMPLE	513150-002	Wipe	346642	08/01/24 19:54	1.0	13	1:FE=46
172	icp data	SAMPLE	513150-003	Wipe	346642	08/01/24 19:57	1.0	13	1:FE=48
173	icp data	BLANK	QC1174504	Wipe	346644	08/01/24 20:00	1.0	13	
174	icp data	BS	QC1174506	Wipe	346644	08/01/24 20:03	1.0	13	
175	icp data	BSD	QC1174507	Wipe	346644	08/01/24 20:06	1.0	13	
176	icp data	SAMPLE	513150-005	Wipe	346644	08/01/24 20:10	1.0	13	2:FE=43
177	icp data	CCV				08/01/24 20:13	1.0	9	
178	icp data	CCB				08/01/24 20:16	1.0		
179	icp data	SAMPLE	513150-007	Wipe	346644	08/01/24 20:19	1.0	13	2:ZN=50
180	icp data	SAMPLE	513150-010	Wipe	346644	08/01/24 20:22	1.0	13	2:FE=57
181	icp data	SAMPLE	513150-012	Wipe	346644	08/01/24 20:25	1.0	13	2:ZN=98
182	icp data	SAMPLE	513228-002	Wipe	346644	08/01/24 20:28	1.0	13	1:FE=63
183	icp data	SAMPLE	513228-004	Wipe	346644	08/01/24 20:32	1.0	13	2:ZN=210
184	icp data	SAMPLE	513228-006	Wipe	346644	08/01/24 20:35	1.0	13	1:FE=57
185	icp data	SAMPLE	513228-008	Wipe	346644	08/01/24 20:38	1.0	13	2:FE=47
186	icp data	SAMPLE	513228-010	Wipe	346644	08/01/24 20:41	1.0	13	2:ZN=160
187	icp data	SAMPLE	513228-011	Wipe	346644	08/01/24 20:44	1.0	13	2:ZN=160
188	icp data	CCV				08/01/24 20:47	1.0	9	
189	icp data	CCB				08/01/24 20:50	1.0		
190	icp data	SAMPLE	513092-001	Miscell.	346572	08/01/24 21:18	100.0	13	
191	icp data	SAMPLE	513092-002	Miscell.	346572	08/01/24 21:22	10.0	13	1:ZN=30
192	icp data	SAMPLE	513092-003	Miscell.	346572	08/01/24 21:25	10.0	13	1:ZN=42
193	icp data	SAMPLE	513092-004	Miscell.	346572	08/01/24 21:28	100.0	13	
194	icp data	SAMPLE	513148-011	Wipe	346641	08/01/24 21:31	10.0	13	1:ZN=35
195	icp data	SAMPLE	513148-012	Wipe	346641	08/01/24 21:34	10.0	13	
196	icp data	SAMPLE	513148-016	Wipe	346641	08/01/24 21:37	10.0	13	1:ZN=34
197	icp data	BLANK	QC1174672	WET Leachate	346699	08/01/24 21:40	1.0	13	
198	icp data	BS	QC1174673	WET Leachate	346699	08/01/24 21:43	1.0	13	
199	icp data	BSD	QC1174674	WET Leachate	346699	08/01/24 21:47	1.0	13	
200	icp data	CCV				08/01/24 21:50	1.0	9	
201	icp data	CCB				08/01/24 21:53	1.0		
202	icp data	SAMPLE	512878-001	WET Leachate	346699	08/01/24 21:56	1.0	13	
203	icp data	SAMPLE	512878-002	WET Leachate	346699	08/01/24 21:59	1.0	13	
204	icp data	BLANK	QC1174622	Soil	346680	08/01/24 22:02	1.0	13	
205	icp data	LCS	QC1174623	Soil	346680	08/01/24 22:05	1.0	13	
206	icp data	SAMPLE	512470-001	Miscell.	346680	08/01/24 22:09	1.0	13	
207	icp data	SAMPLE	513185-001	Soil	346680	08/01/24 22:12	1.0	13	2:FE=130
208	icp data	SAMPLE	513186-001	Soil	346680	08/01/24 22:15	1.0	13	2:FE=160
209	icp data	SAMPLE	513242-001	Miscell.	346680	08/01/24 22:18	1.0	13	3:FE=140
210	icp data	SAMPLE	513242-002	Miscell.	346680	08/01/24 22:21	1.0	13	3:FE=130
211	icp data	SAMPLE	513242-024	Soil	346680	08/01/24 22:24	1.0	13	3:FE=200
212	icp data	CCV				08/01/24 22:27	1.0	9	
213	icp data	CCB				08/01/24 22:30	1.0		
214	icp data	SAMPLE	513242-025	Soil	346680	08/01/24 22:34	1.0	13	3:FE=180
215	icp data	SAMPLE	513242-026	Soil	346680	08/01/24 22:37	1.0	13	2:FE=240
216	icp data	SAMPLE	513242-027	Soil	346680	08/01/24 22:40	1.0	13	3:FE=230
217	icp data	SAMPLE	513242-028	Soil	346680	08/01/24 22:43	1.0	13	2:FE=170
218	icp data	SAMPLE	513254-001	Miscell.	346680	08/01/24 22:46	1.0	13	2:FE=220
219	icp data	MSS	513292-001	Soil	346680	08/01/24 22:49	1.0	13	4:FEASFE2O3=180
220	icp data	MS	QC1174624	Soil	346680	08/01/24 22:52	1.0	13	5:FEASFE2O3=191

Instrument: MET12
Method: EPA 6010B

Begun: 08/01/24 10:36

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
221	icp data	MSD	QC1174625	Soil	346680	08/01/24 22:56	1.0	13	5:FEASFE2O3=190
222	icp data	PDS	QC1174626	Soil	346680	08/01/24 22:59	1.0	13	4:FEASFE2O3=180
223	icp data	SAMPLE	513292-002	Soil	346680	08/01/24 23:02	1.0	13	2:FE=120
224	icp data	CCV				08/01/24 23:05	1.0	9	
225	icp data	CCB				08/01/24 23:08	1.0		
226	icp data	SAMPLE	513292-003	Soil	346680	08/01/24 23:11	1.0	13	3:FE=130
227	icp data	SAMPLE	513292-004	Soil	346680	08/01/24 23:14	1.0	13	2:FE=130
228	icp data	SAMPLE	513292-005	Soil	346680	08/01/24 23:17	1.0	13	2:FE=120
229	icp data	SAMPLE	513292-006	Soil	346680	08/01/24 23:21	1.0	13	2:FE=130
230	icp data	SAMPLE	513302-009	Soil	346680	08/01/24 23:24	1.0	13	2:AL=130
231	icp data	SAMPLE	513302-010	Soil	346680	08/01/24 23:27	1.0	13	2:FE=130
232	icp data	BLANK	QC1174653	Filtrate	346696	08/01/24 23:30	1.0	13	
233	icp data	LCS	QC1174654	Filtrate	346696	08/01/24 23:33	1.0	13	
234	icp data	SAMPLE	512693-001	Filtrate	346696	08/01/24 23:36	1.0	13	
235	icp data	MSS	513192-001	Filtrate	346696	08/01/24 23:39	1.0	13	1:CAASCACO3=270
236	icp data	CCV				08/01/24 23:43	1.0	9	
237	icp data	CCB				08/01/24 23:46	1.0		
238	icp data	MS	QC1174655	Filtrate	346696	08/01/24 23:49	1.0	13	1:CAASCACO3=320
239	icp data	MSD	QC1174656	Filtrate	346696	08/01/24 23:52	1.0	13	1:CAASCACO3=320
240	icp data	SAMPLE	513269-001	Filtrate	346696	08/01/24 23:55	1.0	13	
241	icp data	SAMPLE	513269-002	Filtrate	346696	08/01/24 23:58	1.0	13	
242	icp data	SAMPLE	513269-003	Filtrate	346696	08/02/24 00:01	1.0	13	4:MG=1100
243	icp data	SAMPLE	513269-004	Filtrate	346696	08/02/24 00:04	1.0	13	
244	icp data	SAMPLE	513269-005	Filtrate	346696	08/02/24 00:08	1.0	13	3:CA=1500
245	icp data	SAMPLE	513269-006	Filtrate	346696	08/02/24 00:11	1.0	13	4:CA=1400
246	icp data	SAMPLE	513269-007	Filtrate	346696	08/02/24 00:14	1.0	13	1:FE=22
247	icp data	SAMPLE	513269-008	Filtrate	346696	08/02/24 00:17	1.0	13	1:CA=910
248	icp data	CCV				08/02/24 00:20	1.0	9	
249	icp data	CCB				08/02/24 00:23	1.0		

SBW 08/01/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 035.

SBW 08/02/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 036 through 249.

Standards Used:

1=S21190 2=S21189 3=S21188 4=S21187 5=S21186 6=S21166 7=S20782 8=S21161 9=S21323 10=S20459 11=S21125 12=S21126 13=S16862

Date: 08/01/24		Reference: icp data		
Sequence: MET12 08/01/24		Analyzed: 08/01/24 10:36		
#	Type	Sample ID	Y A	Y R
		ICALBLK STD	124916	21871
		LOWER LIMIT	37475	6561
		UPPER LIMIT	249832	43742
011	ICB		126638	21939
013	ICSA		115803	20567
014	ICSAB		115917	20523
015	BLANK	QC1174399	126581	22218
016	LCS	QC1174400	124463	21902
017	MSS	513095-001	120294	20962
018	MS	QC1174401	119421	20884
019	MSD	QC1174402	119280	20867
020	SAMPLE	513262-001	121171	21303
021	SAMPLE	513262-002	121155	21431
022	SAMPLE	513262-003	121123	21395
023	SAMPLE	513262-004	122236	21518
024	SAMPLE	513262-005	121373	21352
025	CCV		123052	21366
026	CCB		127026	21930
027	SAMPLE	513118-001	105451	18898
028	SAMPLE	513219-001	112506	20262
029	MSS	513095-001	127195	22107
030	MS	QC1174401	126641	21966
031	MSD	QC1174402	126400	21956
032	SAMPLE	513219-001	124197	21715
033	CCV		122688	21424
034	CCB		126839	21986
035	BLANK	QC1174321	124232	22133
036	LCS	QC1174322	123978	21934
037	SAMPLE	513188-001	123612	22069
038	SAMPLE	513188-002	123160	22040
039	SAMPLE	513188-003	122025	21859
040	SAMPLE	513188-004	123259	21993
041	SAMPLE	513188-005	124505	22078
042	SAMPLE	513188-006	123894	22083
043	SAMPLE	513188-007	122425	21769
044	SAMPLE	513188-008	123424	22078
045	CCV		122770	21336
046	CCB		126009	21732
047	SAMPLE	513188-009	122980	21993
048	SAMPLE	513188-010	122722	21892
049	SAMPLE	513188-011	123839	21972
050	SAMPLE	513188-012	123119	21898
051	MSS	513203-001	123692	21965
052	MS	QC1174323	122552	21914
053	MSD	QC1174324	121645	21814
054	PDS	QC1174325	124102	22033
055	SAMPLE	513203-002	121942	21811
056	SAMPLE	513203-003	122870	21886
057	CCV		123048	21449
058	CCB		126575	22034
059	SAMPLE	513203-004	123427	22042
060	SAMPLE	513203-005	123029	21944
061	SAMPLE	513203-006	122529	21797
062	SAMPLE	513203-007	123780	22079
063	SAMPLE	513203-008	123682	22110
064	BLANK	QC1174282	126572	22257
065	LCS	QC1174283	125134	22070

Date: 08/01/24
Sequence: MET12 08/01/24

Reference: icp data
Analyzed: 08/01/24 10:36

#	Type	Sample ID	Y A	Y R
066	SAMPLE	513025-001	124074	22106
067	SAMPLE	513025-002	125098	22244
068	SAMPLE	513025-003	123806	22281
069	CCV		122978	21461
070	CCB		126031	21927
071	SAMPLE	513084-001	121114	21607
072	SAMPLE	513092-001	120742	21374
073	SAMPLE	513092-002	125674	22193
074	SAMPLE	513092-003	121988	21618
075	SAMPLE	513092-004	120357	21492
076	SAMPLE	513092-005	121215	21264
077	SAMPLE	513092-005	126322	21955
078	SAMPLE	513111-001	122884	21708
079	SAMPLE	513116-005	122596	21873
080	SAMPLE	513116-010	123271	21845
081	CCV		122604	21450
082	CCB		126444	21985
083	SAMPLE	513116-015	122506	21858
084	MSS	513140-001	123243	21930
085	MS	QC1174284	121772	21725
086	MSD	QC1174285	121689	21763
087	PDS	QC1174286	123228	21859
088	SAMPLE	513140-002	121975	21841
089	SAMPLE	513144-001	129224	23095
090	SAMPLE	513144-002	122293	21832
091	BLANK	QC1174365	127687	22360
092	LCS	QC1174366	125007	22006
093	CCV		122203	21288
094	CCB		125728	21889
095	SAMPLE	513116-020	123751	22055
096	MSS	513194-001	123193	21975
097	MS	QC1174367	121995	21965
098	MSD	QC1174368	122436	21945
099	PDS	QC1174369	123087	21982
100	SAMPLE	513194-004	123843	22100
101	SAMPLE	513194-007	123994	22122
102	SAMPLE	513194-010	123458	22022
103	SAMPLE	513194-013	123386	22023
104	SAMPLE	513194-016	123652	22098
105	CCV		121963	21332
106	CCB		125241	21760
107	SAMPLE	513194-019	122307	21864
108	SAMPLE	513194-022	122747	21926
109	SAMPLE	513194-025	124521	22184
110	SAMPLE	513194-028	124644	22094
111	SAMPLE	513194-031	123366	21987
112	BLANK	QC1174524	124127	21957
113	BS	QC1174525	122718	21766
114	BSD	QC1174526	120726	21735
115	SAMPLE	513257-001	124167	21985
116	BLANK	QC1174475	125886	22209
117	CCV		120379	20936
118	CCB		125570	21818
119	LCS	QC1174476	124004	21921
120	MSS	512866-001	123687	22086
121	MS	QC1174477	122003	21893
122	MSD	QC1174478	123468	22042

Date: 08/01/24
Sequence: MET12 08/01/24

Reference: icp data
Analyzed: 08/01/24 10:36

#	Type	Sample ID	Y A	Y R
123	PDS	QC1174479	123417	21916
124	SAMPLE	512866-002	124937	22166
125	SAMPLE	512866-003	125430	22114
126	SAMPLE	512866-004	125331	22128
127	SAMPLE	512866-005	124229	22062
128	SAMPLE	512866-006	126448	22299
129	CCV		121619	21316
130	CCB		125422	21806
131	SAMPLE	512866-007	124033	21905
132	SAMPLE	512866-008	124340	21962
133	SAMPLE	512866-009	123990	22034
134	SAMPLE	512866-010	126567	22354
135	SAMPLE	512866-011	125917	22248
136	SAMPLE	512866-012	126100	22265
137	SAMPLE	513246-001	124024	21937
138	SAMPLE	513246-003	125199	22149
139	SAMPLE	513246-006	124956	22030
140	SAMPLE	513264-001	127335	22234
141	CCV		122301	21371
142	CCB		123479	21314
143	SAMPLE	513265-001	123980	21781
144	SAMPLE	513265-002	123297	21848
145	SAMPLE	513265-003	122318	21824
146	BLANK	QC1174500	122316	21670
147	BS	QC1174501	122158	21612
148	BSD	QC1174502	123359	21839
149	SAMPLE	513148-021	121994	21444
150	SAMPLE	513148-022	117847	20909
151	SAMPLE	513148-023	118514	21141
152	SAMPLE	513148-024	116700	20660
153	CCV		123521	21599
154	CCB		126885	22083
155	SAMPLE	513148-025	117908	20934
156	SAMPLE	513148-026	120377	21414
157	SAMPLE	513148-027	118790	21080
158	SAMPLE	513148-028	121090	21508
159	SAMPLE	513148-029	118988	21068
160	SAMPLE	513148-030	117954	20846
161	SAMPLE	513148-031	118460	20810
162	SAMPLE	513149-001	118576	21092
163	SAMPLE	513149-002	119231	21021
164	SAMPLE	513149-003	121038	21293
165	CCV		121931	21265
166	CCB		125106	21816
167	SAMPLE	513149-004	118807	21047
168	SAMPLE	513149-005	116383	20677
169	SAMPLE	513149-006	118935	21068
170	SAMPLE	513149-007	119639	21276
171	SAMPLE	513150-002	119503	21130
172	SAMPLE	513150-003	118841	21028
173	BLANK	QC1174504	119092	21132
174	BS	QC1174506	119022	21168
175	BSD	QC1174507	119128	21205
176	SAMPLE	513150-005	118884	20991
177	CCV		121175	21222
178	CCB		125057	21790
179	SAMPLE	513150-007	117821	20873
180	SAMPLE	513150-010	118000	20923

Date: 08/01/24
Sequence: MET12 08/01/24

Reference: icp data
Analyzed: 08/01/24 10:36

#	Type	Sample ID	Y A	Y R
181	SAMPLE	513150-012	120023	21203
182	SAMPLE	513228-002	118618	20904
183	SAMPLE	513228-004	120409	20860
184	SAMPLE	513228-006	119739	21096
185	SAMPLE	513228-008	120381	21255
186	SAMPLE	513228-010	120200	21182
187	SAMPLE	513228-011	119575	21046
188	CCV		123276	21423
189	CCB		127200	22142
190	SAMPLE	513092-001	126780	22180
191	SAMPLE	513092-002	128912	22433
192	SAMPLE	513092-003	127753	22383
193	SAMPLE	513092-004	128332	22397
194	SAMPLE	513148-011	127262	22253
195	SAMPLE	513148-012	127695	22325
196	SAMPLE	513148-016	128115	22346
197	BLANK	QC1174672	125437	21710
198	BS	QC1174673	125081	21779
199	BSD	QC1174674	125521	21806
200	CCV		123972	21622
201	CCB		127735	22170
202	SAMPLE	512878-001	124790	21741
203	SAMPLE	512878-002	125282	21715
204	BLANK	QC1174622	126649	22268
205	LCS	QC1174623	125454	22115
206	SAMPLE	512470-001	123678	21723
207	SAMPLE	513185-001	123777	21980
208	SAMPLE	513186-001	122299	21692
209	SAMPLE	513242-001	124050	22068
210	SAMPLE	513242-002	124359	22120
211	SAMPLE	513242-024	123906	22025
212	CCV		125237	21803
213	CCB		129701	22492
214	SAMPLE	513242-025	124248	22098
215	SAMPLE	513242-026	125422	22277
216	SAMPLE	513242-027	125437	22259
217	SAMPLE	513242-028	124765	22135
218	SAMPLE	513254-001	122951	21494
219	MSS	513292-001	124484	22102
220	MS	QC1174624	123906	21894
221	MSD	QC1174625	124640	22072
222	PDS	QC1174626	124158	22024
223	SAMPLE	513292-002	124975	22125
224	CCV		126440	21886
225	CCB		130662	22559
226	SAMPLE	513292-003	124114	22019
227	SAMPLE	513292-004	125613	22115
228	SAMPLE	513292-005	125970	22188
229	SAMPLE	513292-006	125947	22095
230	SAMPLE	513302-009	125412	22214
231	SAMPLE	513302-010	125995	22167
232	BLANK	QC1174653	132597	22479
233	LCS	QC1174654	129088	22059
234	SAMPLE	512693-001	127982	21878
235	MSS	513192-001	126645	21686
236	CCV		126225	21917
237	CCB		130793	22557
238	MS	QC1174655	126510	21563

Date: 08/01/24		Reference: icp data		
Sequence: MET12 08/01/24		Analyzed: 08/01/24 10:36		
#	Type	Sample ID	Y A	Y R
239	MSD	QC1174656	126072	21618
240	SAMPLE	513269-001	131287	22326
241	SAMPLE	513269-002	121099	20817
242	SAMPLE	513269-003	212039	37207
243	SAMPLE	513269-004	129041	22091
244	SAMPLE	513269-005	112328	19706
245	SAMPLE	513269-006	112856	19774
246	SAMPLE	513269-007	117711	20472
247	SAMPLE	513269-008	120099	20784
248	CCV		127709	22128
249	CCB		132209	22668

Instrument:	MET12	Date:	01-AUG-2024 10:36
Calibration #:	794308796001	X Axis:	R
Units:	mg/L		

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794308796002	L1	01-AUG-2024 10:39	S21190
L2	icp data	794308796003	L2	01-AUG-2024 10:42	S21189
L3	icp data	794308796004	L3	01-AUG-2024 10:45	S21188
L4	icp data	794308796005	L4	01-AUG-2024 10:49	S21187
L5	icp data	794308796006	L5	01-AUG-2024 10:52	S21186
L6	icp data	794308796007	L6	01-AUG-2024 10:55	S21166

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	-0.0003	1.05E-4		10290	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
 WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	12115	10446	10165	9946.6	9618.7	9450.5

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	17	0.0100	7	0.1000	7	1.0000	5	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	Cal Date: 01-AUG-2024
Calnum: 794308796001	

- ICV 794308796010 (01-AUG-2024) stds: S21323

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.037	mg/L	4	10	

ENTHALPY INSTRUMENT BLANK FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796011	File: icp data	Time: 01-AUG-2024 11:07
Cal: 794308796001	Caldate: 01-AUG-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	126638	1.38
Yttrium	R	21871	21939	0.31

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794308796013	File: icp data
Cal: 794308796001	Time: 01-AUG-2024 11:14
Caldate: 01-AUG-2024	

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.009203]	0.003333	mg/L	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	415.2	mg/L	104	
Aluminum as Al2O3	A	755.8	784.5	mg/L	104	
Iron	A	160.0	148.6	mg/L	93	
Iron as Fe2O3	A	228.8	212.5	mg/L	93	
Calcium	R	400.0	401.0	mg/L	100	
Calcium as CaCO3	R	998.9	1001	mg/L	100	
Magnesium	R	400.0	420.0	mg/L	105	
Magnesium as MgCO3	R	1388	1457	mg/L	105	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	115803	-7.30
Yttrium	R	21871	20567	-5.96

--low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796014	File: icp data	Time: 01-AUG-2024 11:17
Cal: 794308796001	Caldate: 01-AUG-2024	

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.029	mg/L	3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	115917	-7.20
Yttrium	R	21871	20523	-6.16

ENTHALPY CONTINUING CALIBRATION FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796165	File: icp data	Time: 01-AUG-2024 19:35
Cal: 794308796001	Caldate: 01-AUG-2024	

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10387	1.000	1.070	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	121931	-2.39
Yttrium	R	21871	21265	-2.77

ENTHALPY INSTRUMENT BLANK FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796166	File: icp data	Time: 01-AUG-2024 19:38
Cal: 794308796001	Caldate: 01-AUG-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	0.003601	0.003333	---	mg/L	CCB ***

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	125106	0.15
Yttrium	R	21871	21816	-0.25

CCB=instrument blank

ENTHALPY CONTINUING CALIBRATION FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796177	File: icp data	Time: 01-AUG-2024 20:13
Cal: 794308796001	Caldate: 01-AUG-2024	

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10422	1.000	1.074	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	121175	-3.00
Yttrium	R	21871	21222	-2.97

ENTHALPY INSTRUMENT BLANK FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796178	File: icp data	Time: 01-AUG-2024 20:16
Cal: 794308796001	Caldate: 01-AUG-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001869]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	125057	0.11
Yttrium	R	21871	21790	-0.37

!=warning CCB=instrument blank

ENTHALPY CONTINUING CALIBRATION FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796188	File: icp data	Time: 01-AUG-2024 20:47
Cal: 794308796001	Caldate: 01-AUG-2024	

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10196	1.000	1.051	mg/L	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	123276	-1.31
Yttrium	R	21871	21423	-2.05

ENTHALPY INSTRUMENT BLANK FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794308796189	File: icp data
Cal: 794308796001	Time: 01-AUG-2024 20:50
Caldate: 01-AUG-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	127200	1.83
Yttrium	R	21871	22142	1.24

SAMPLE PREPARATION SUMMARY

Batch #: 346644	Prep Date: 01-AUG-2024 16:40	Started By: TWJ
Analysis: ICP	Method: 3050B	Finished By: TWJ

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20344	Spike S20345	Analysis
QC1174504 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1174506 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1174507 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
513150-005	Wipe	1 ft2	50 mL	50.0				6010
513150-007	Wipe	1.0276 ft2	50 mL	48.66				6010
513150-010	Wipe	1.0276 ft2	50 mL	48.66				6010
513150-012	Wipe	1 ft2	50 mL	50.0				6010
513228-002	Wipe	1.0828 ft2	50 mL	46.18				6010
513228-004	Wipe	1.0276 ft2	50 mL	48.66				6010
513228-006	Wipe	1 ft2	50 mL	50.0				6010
513228-008	Wipe	1.0276 ft2	50 mL	48.66				6010
513228-010	Wipe	1.0276 ft2	50 mL	48.66				6010
513228-011	Wipe	1.0276 ft2	50 mL	48.66				6010

Analyst: DXC 08/01/24

Reviewer:

ICP and ICP-MS Prep Log for Soil/Misc.

Initials: JWS / DA Prep Method: 3050B / 3051 / Other: QC Batch #: 346644 Therm ID/Corr Factor: 7632461-0.5
Prep Start, Date/Time: 8/1/24 16:40 Prep End, Date/Time: 8-1-24 18:47 HotBlock Temp (Obs/Corr), °C: 91-57 91-0

HotBlock ID: 4B25

[illegible]

LCS Spike ID: 05mL (520344, 520345) $\downarrow$
MS/MSD Spike ID: $\downarrow$
Gold Std ID: N/A

101 of 175

Enthalpy Analytical, Orange, Logbook # BK1455

ICP & ICP-MS Soil Prep Log, Rev. 1, 12/18/2023

ICP Raw Data

Instrument: MET12
Method: EPA 6010B

Begun: 08/01/24 10:36

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				08/01/24 10:36	1.0		
002	icp data	ICAL	L1			08/01/24 10:39	1.0	1	
003	icp data	ICAL	L2			08/01/24 10:42	1.0	2	
004	icp data	ICAL	L3			08/01/24 10:45	1.0	3	
005	icp data	ICAL	L4			08/01/24 10:49	1.0	4	
006	icp data	ICAL	L5			08/01/24 10:52	1.0	5	
007	icp data	ICAL	L6			08/01/24 10:55	1.0	6	
008	icp data	ICAL	L7			08/01/24 10:58	1.0	7	
009	icp data	ICAL	L8			08/01/24 11:01	1.0	8	
010	icp data	ICV				08/01/24 11:04	1.0	9	
011	icp data	ICB				08/01/24 11:07	1.0		
012	icp data	CRI				08/01/24 11:10	1.0	10	
013	icp data	ICSA				08/01/24 11:14	1.0	11	6:MGASMGCO3=1500
014	icp data	ICSAB				08/01/24 11:17	1.0	12	6:MGASMGCO3=1500
015	icp data	BLANK	QC1174399	Water	346605	08/01/24 11:21	1.0	13	
016	icp data	LCS	QC1174400	Water	346605	08/01/24 11:24	1.0	13	
017	icp data	MSS	513095-001	Water	346605	08/01/24 11:27	1.0	13	4:CAASCACO3=750
018	icp data	MS	QC1174401	Water	346605	08/01/24 11:30	1.0	13	4:CAASCACO3=790
019	icp data	MSD	QC1174402	Water	346605	08/01/24 11:33	1.0	13	4:CAASCACO3=800
020	icp data	SAMPLE	513262-001	Water	346605	08/01/24 11:36	1.0	13	1:FE=47
021	icp data	SAMPLE	513262-002	Water	346605	08/01/24 11:39	1.0	13	1:FE=42
022	icp data	SAMPLE	513262-003	Water	346605	08/01/24 11:42	1.0	13	1:FE=40
023	icp data	SAMPLE	513262-004	Water	346605	08/01/24 11:46	1.0	13	
024	icp data	SAMPLE	513262-005	Water	346605	08/01/24 11:49	1.0	13	1:FE=40
025	icp data	CCV				08/01/24 11:52	1.0	9	
026	icp data	CCB				08/01/24 11:55	1.0		
027	icp data	SAMPLE	513118-001	Water	346605	08/01/24 11:58	1.0	13	1:NA=1100
028	icp data	SAMPLE	513219-001	Water	346605	08/01/24 12:01	1.0	13	5:FE=470
029	icp data	MSS	513095-001	Water	346605	08/01/24 12:04	10.0	13	
030	icp data	MS	QC1174401	Water	346605	08/01/24 12:08	10.0	13	
031	icp data	MSD	QC1174402	Water	346605	08/01/24 12:11	10.0	13	
032	icp data	SAMPLE	513219-001	Water	346605	08/01/24 12:27	10.0	13	2:FE=80
033	icp data	CCV				08/01/24 12:30	1.0	9	
034	icp data	CCB				08/01/24 12:33	1.0		
035	icp data	BLANK	QC1174321	Soil	346590	08/01/24 12:49	1.0	13	
036	icp data	LCS	QC1174322	Soil	346590	08/01/24 12:53	1.0	13	
037	icp data	SAMPLE	513188-001	Soil	346590	08/01/24 12:56	1.0	13	3:FE=150
038	icp data	SAMPLE	513188-002	Soil	346590	08/01/24 12:59	1.0	13	3:FE=150
039	icp data	SAMPLE	513188-003	Soil	346590	08/01/24 13:02	1.0	13	3:FE=160
040	icp data	SAMPLE	513188-004	Soil	346590	08/01/24 13:05	1.0	13	3:FE=160
041	icp data	SAMPLE	513188-005	Soil	346590	08/01/24 13:08	1.0	13	3:FE=150
042	icp data	SAMPLE	513188-006	Soil	346590	08/01/24 13:11	1.0	13	2:FE=140
043	icp data	SAMPLE	513188-007	Soil	346590	08/01/24 13:14	1.0	13	3:FE=160
044	icp data	SAMPLE	513188-008	Soil	346590	08/01/24 13:18	1.0	13	3:FE=150
045	icp data	CCV				08/01/24 13:21	1.0	9	
046	icp data	CCB				08/01/24 13:24	1.0		
047	icp data	SAMPLE	513188-009	Soil	346590	08/01/24 13:27	1.0	13	3:FE=150
048	icp data	SAMPLE	513188-010	Soil	346590	08/01/24 13:30	1.0	13	3:FE=160
049	icp data	SAMPLE	513188-011	Soil	346590	08/01/24 13:33	1.0	13	2:FE=130
050	icp data	SAMPLE	513188-012	Soil	346590	08/01/24 13:36	1.0	13	2:FE=140
051	icp data	MSS	513203-001	Soil	346590	08/01/24 13:39	1.0	13	4:FEASFE2O3=160
052	icp data	MS	QC1174323	Soil	346590	08/01/24 13:43	1.0	13	4:ALASAL2O3=210
053	icp data	MSD	QC1174324	Soil	346590	08/01/24 13:46	1.0	13	4:ALASAL2O3=180
054	icp data	PDS	QC1174325	Soil	346590	08/01/24 13:49	1.0	13	4:FEASFE2O3=160
055	icp data	SAMPLE	513203-002	Soil	346590	08/01/24 13:52	1.0	13	2:FE=130

Instrument: MET12
Method: EPA 6010B

Begun: 08/01/24 10:36

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
056	icp data	SAMPLE	513203-003	Soil	346590	08/01/24 13:55	1.0	13	2:FE=140
057	icp data	CCV				08/01/24 13:58	1.0	9	
058	icp data	CCB				08/01/24 14:01	1.0		
059	icp data	SAMPLE	513203-004	Soil	346590	08/01/24 14:04	1.0	13	2:FE=130
060	icp data	SAMPLE	513203-005	Soil	346590	08/01/24 14:07	1.0	13	2:FE=120
061	icp data	SAMPLE	513203-006	Soil	346590	08/01/24 14:11	1.0	13	2:FE=100
062	icp data	SAMPLE	513203-007	Soil	346590	08/01/24 14:14	1.0	13	2:FE=97
063	icp data	SAMPLE	513203-008	Soil	346590	08/01/24 14:17	1.0	13	2:FE=89
064	icp data	BLANK	QC1174282	Soil	346572	08/01/24 14:20	1.0	13	
065	icp data	LCS	QC1174283	Soil	346572	08/01/24 14:23	1.0	13	
066	icp data	SAMPLE	513025-001	Soil	346572	08/01/24 14:26	1.0	13	2:FE=79
067	icp data	SAMPLE	513025-002	Soil	346572	08/01/24 14:29	1.0	13	2:AL=90
068	icp data	SAMPLE	513025-003	Soil	346572	08/01/24 14:32	1.0	13	2:AL=120
069	icp data	CCV				08/01/24 14:36	1.0	9	
070	icp data	CCB				08/01/24 14:39	1.0		
071	icp data	SAMPLE	513084-001	Miscell.	346572	08/01/24 14:42	1.0	13	3:FE=160
072	icp data	SAMPLE	513092-001	Miscell.	346572	08/01/24 14:45	1.0	13	7:NA=1200
073	icp data	SAMPLE	513092-002	Miscell.	346572	08/01/24 14:48	1.0	13	4:ZN=190
074	icp data	SAMPLE	513092-003	Miscell.	346572	08/01/24 14:51	1.0	13	4:ZN=230
075	icp data	SAMPLE	513092-004	Miscell.	346572	08/01/24 14:54	1.0	13	8:NA=1400
076	icp data	SAMPLE	513092-005	Miscell.	346572	08/01/24 14:57	1.0	13	4:FE=530
077	icp data	SAMPLE	513092-005	Miscell.	346572	08/01/24 15:01	10.0	13	1:FE=91
078	icp data	SAMPLE	513111-001	Miscell.	346572	08/01/24 15:04	1.0	13	
079	icp data	SAMPLE	513116-005	Soil	346572	08/01/24 15:07	1.0	13	2:FE=190
080	icp data	SAMPLE	513116-010	Soil	346572	08/01/24 15:10	1.0	13	2:FE=190
081	icp data	CCV				08/01/24 15:13	1.0	9	
082	icp data	CCB				08/01/24 15:16	1.0		
083	icp data	SAMPLE	513116-015	Soil	346572	08/01/24 15:19	1.0	13	2:FE=180
084	icp data	MSS	513140-001	Soil	346572	08/01/24 15:22	1.0	13	4:FEASFE2O3=170
085	icp data	MS	QC1174284	Soil	346572	08/01/24 15:26	1.0	13	4:FEASFE2O3=180
086	icp data	MSD	QC1174285	Soil	346572	08/01/24 15:29	1.0	13	4:FEASFE2O3=190
087	icp data	PDS	QC1174286	Soil	346572	08/01/24 15:32	1.0	13	4:FEASFE2O3=170
088	icp data	SAMPLE	513140-002	Soil	346572	08/01/24 15:35	1.0	13	3:FE=170
089	icp data	SAMPLE	513144-001	Soil	346572	08/01/24 15:38	1.0	13	2:AL=110
090	icp data	SAMPLE	513144-002	Soil	346572	08/01/24 15:41	1.0	13	2:FE=150
091	icp data	BLANK	QC1174365	Soil	346598	08/01/24 15:44	1.0	13	
092	icp data	LCS	QC1174366	Soil	346598	08/01/24 15:47	1.0	13	
093	icp data	CCV				08/01/24 15:51	1.0	9	
094	icp data	CCB				08/01/24 15:54	1.0		
095	icp data	SAMPLE	513116-020	Soil	346598	08/01/24 15:57	1.0	13	2:FE=190
096	icp data	MSS	513194-001	Soil	346598	08/01/24 16:00	1.0	13	4:ALASAL2O3=280
097	icp data	MS	QC1174367	Soil	346598	08/01/24 16:03	1.0	13	5:ALASAL2O3=350
098	icp data	MSD	QC1174368	Soil	346598	08/01/24 16:06	1.0	13	5:ALASAL2O3=340
099	icp data	PDS	QC1174369	Soil	346598	08/01/24 16:09	1.0	13	5:ALASAL2O3=280
100	icp data	SAMPLE	513194-004	Soil	346598	08/01/24 16:12	1.0	13	3:FE=160
101	icp data	SAMPLE	513194-007	Soil	346598	08/01/24 16:15	1.0	13	2:AL=140
102	icp data	SAMPLE	513194-010	Soil	346598	08/01/24 16:19	1.0	13	2:FE=130
103	icp data	SAMPLE	513194-013	Soil	346598	08/01/24 16:22	1.0	13	2:FE=150
104	icp data	SAMPLE	513194-016	Soil	346598	08/01/24 16:25	1.0	13	3:FE=170
105	icp data	CCV				08/01/24 16:28	1.0	9	
106	icp data	CCB				08/01/24 16:31	1.0		
107	icp data	SAMPLE	513194-019	Soil	346598	08/01/24 16:34	1.0	13	3:FE=150
108	icp data	SAMPLE	513194-022	Soil	346598	08/01/24 16:37	1.0	13	3:FE=160
109	icp data	SAMPLE	513194-025	Soil	346598	08/01/24 16:40	1.0	13	2:FE=150
110	icp data	SAMPLE	513194-028	Soil	346598	08/01/24 16:44	1.0	13	2:FE=150

Instrument: MET12
Method: EPA 6010B

Begun: 08/01/24 10:36

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
111	icp data	SAMPLE	513194-031	Soil	346598	08/01/24 16:47	1.0	13	3:FE=150
112	icp data	BLANK	QC1174524	Wipe	346648	08/01/24 16:50	1.0	13	
113	icp data	BS	QC1174525	Wipe	346648	08/01/24 16:53	1.0	13	
114	icp data	BSD	QC1174526	Wipe	346648	08/01/24 16:56	1.0	13	
115	icp data	SAMPLE	513257-001	Wipe	346648	08/01/24 16:59	1.0	13	
116	icp data	BLANK	QC1174475	Soil	346634	08/01/24 17:02	1.0	13	
117	icp data	CCV				08/01/24 17:05	1.0	9	
118	icp data	CCB				08/01/24 17:08	1.0		
119	icp data	LCS	QC1174476	Soil	346634	08/01/24 17:12	1.0	13	
120	icp data	MSS	512866-001	Soil	346634	08/01/24 17:15	1.0	13	4:ALASAL2O3=130
121	icp data	MS	QC1174477	Soil	346634	08/01/24 17:18	1.0	13	4:ALASAL2O3=190
122	icp data	MSD	QC1174478	Soil	346634	08/01/24 17:21	1.0	13	4:ALASAL2O3=190
123	icp data	PDS	QC1174479	Soil	346634	08/01/24 17:24	1.0	13	4:ALASAL2O3=130
124	icp data	SAMPLE	512866-002	Soil	346634	08/01/24 17:27	1.0	13	2:AL=64
125	icp data	SAMPLE	512866-003	Soil	346634	08/01/24 17:30	1.0	13	2:AL=64
126	icp data	SAMPLE	512866-004	Soil	346634	08/01/24 17:33	1.0	13	2:AL=57
127	icp data	SAMPLE	512866-005	Soil	346634	08/01/24 17:37	1.0	13	2:AL=89
128	icp data	SAMPLE	512866-006	Soil	346634	08/01/24 17:40	1.0	13	2:AL=52
129	icp data	CCV				08/01/24 17:43	1.0	9	
130	icp data	CCB				08/01/24 17:46	1.0		
131	icp data	SAMPLE	512866-007	Soil	346634	08/01/24 17:49	1.0	13	2:FE=79
132	icp data	SAMPLE	512866-008	Soil	346634	08/01/24 17:52	1.0	13	2:FE=92
133	icp data	SAMPLE	512866-009	Soil	346634	08/01/24 17:55	1.0	13	2:FE=78
134	icp data	SAMPLE	512866-010	Soil	346634	08/01/24 17:58	1.0	13	2:AL=61
135	icp data	SAMPLE	512866-011	Soil	346634	08/01/24 18:01	1.0	13	2:AL=71
136	icp data	SAMPLE	512866-012	Soil	346634	08/01/24 18:05	1.0	13	2:AL=62
137	icp data	SAMPLE	513246-001	Soil	346634	08/01/24 18:08	1.0	13	2:FE=160
138	icp data	SAMPLE	513246-003	Soil	346634	08/01/24 18:11	1.0	13	2:FE=140
139	icp data	SAMPLE	513246-006	Soil	346634	08/01/24 18:14	1.0	13	2:FE=130
140	icp data	SAMPLE	513264-001	Miscell.	346634	08/01/24 18:17	1.0	13	1:FE=44
141	icp data	CCV				08/01/24 18:20	1.0	9	
142	icp data	CCB				08/01/24 18:23	1.0		
143	icp data	SAMPLE	513265-001	Miscell.	346634	08/01/24 18:26	1.0	13	2:AL=130
144	icp data	SAMPLE	513265-002	Miscell.	346634	08/01/24 18:30	1.0	13	2:AL=100
145	icp data	SAMPLE	513265-003	Miscell.	346634	08/01/24 18:33	1.0	13	2:AL=100
146	icp data	BLANK	QC1174500	Wipe	346642	08/01/24 18:36	1.0	13	
147	icp data	BS	QC1174501	Wipe	346642	08/01/24 18:39	1.0	13	
148	icp data	BSD	QC1174502	Wipe	346642	08/01/24 18:42	1.0	13	
149	icp data	SAMPLE	513148-021	Wipe	346642	08/01/24 18:45	1.0	13	2:ZN=290
150	icp data	SAMPLE	513148-022	Wipe	346642	08/01/24 18:48	1.0	13	2:ZN=270
151	icp data	SAMPLE	513148-023	Wipe	346642	08/01/24 18:51	1.0	13	2:FE=100
152	icp data	SAMPLE	513148-024	Wipe	346642	08/01/24 18:55	1.0	13	2:FE=79
153	icp data	CCV				08/01/24 18:58	1.0	9	
154	icp data	CCB				08/01/24 19:01	1.0		
155	icp data	SAMPLE	513148-025	Wipe	346642	08/01/24 19:04	1.0	13	2:ZN=110
156	icp data	SAMPLE	513148-026	Wipe	346642	08/01/24 19:07	1.0	13	2:FE=98
157	icp data	SAMPLE	513148-027	Wipe	346642	08/01/24 19:10	1.0	13	
158	icp data	SAMPLE	513148-028	Wipe	346642	08/01/24 19:13	1.0	13	
159	icp data	SAMPLE	513148-029	Wipe	346642	08/01/24 19:16	1.0	13	
160	icp data	SAMPLE	513148-030	Wipe	346642	08/01/24 19:20	1.0	13	
161	icp data	SAMPLE	513148-031	Wipe	346642	08/01/24 19:23	1.0	13	2:ZN=310
162	icp data	SAMPLE	513149-001	Wipe	346642	08/01/24 19:26	1.0	13	1:FE=37
163	icp data	SAMPLE	513149-002	Wipe	346642	08/01/24 19:29	1.0	13	2:ZN=94
164	icp data	SAMPLE	513149-003	Wipe	346642	08/01/24 19:32	1.0	13	2:ZN=72
165	icp data	CCV				08/01/24 19:35	1.0	9	

Instrument: MET12
Method: EPA 6010B

Begun: 08/01/24 10:36

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
166	icp data	CCB				08/01/24 19:38	1.0		
167	icp data	SAMPLE	513149-004	Wipe	346642	08/01/24 19:41	1.0	13	2:ZN=81
168	icp data	SAMPLE	513149-005	Wipe	346642	08/01/24 19:45	1.0	13	1:FE=44
169	icp data	SAMPLE	513149-006	Wipe	346642	08/01/24 19:48	1.0	13	
170	icp data	SAMPLE	513149-007	Wipe	346642	08/01/24 19:51	1.0	13	
171	icp data	SAMPLE	513150-002	Wipe	346642	08/01/24 19:54	1.0	13	1:FE=46
172	icp data	SAMPLE	513150-003	Wipe	346642	08/01/24 19:57	1.0	13	1:FE=48
173	icp data	BLANK	QC1174504	Wipe	346644	08/01/24 20:00	1.0	13	
174	icp data	BS	QC1174506	Wipe	346644	08/01/24 20:03	1.0	13	
175	icp data	BSD	QC1174507	Wipe	346644	08/01/24 20:06	1.0	13	
176	icp data	SAMPLE	513150-005	Wipe	346644	08/01/24 20:10	1.0	13	2:FE=43
177	icp data	CCV				08/01/24 20:13	1.0	9	
178	icp data	CCB				08/01/24 20:16	1.0		
179	icp data	SAMPLE	513150-007	Wipe	346644	08/01/24 20:19	1.0	13	2:ZN=50
180	icp data	SAMPLE	513150-010	Wipe	346644	08/01/24 20:22	1.0	13	2:FE=57
181	icp data	SAMPLE	513150-012	Wipe	346644	08/01/24 20:25	1.0	13	2:ZN=98
182	icp data	SAMPLE	513228-002	Wipe	346644	08/01/24 20:28	1.0	13	1:FE=63
183	icp data	SAMPLE	513228-004	Wipe	346644	08/01/24 20:32	1.0	13	2:ZN=210
184	icp data	SAMPLE	513228-006	Wipe	346644	08/01/24 20:35	1.0	13	1:FE=57
185	icp data	SAMPLE	513228-008	Wipe	346644	08/01/24 20:38	1.0	13	2:FE=47
186	icp data	SAMPLE	513228-010	Wipe	346644	08/01/24 20:41	1.0	13	2:ZN=160
187	icp data	SAMPLE	513228-011	Wipe	346644	08/01/24 20:44	1.0	13	2:ZN=160
188	icp data	CCV				08/01/24 20:47	1.0	9	
189	icp data	CCB				08/01/24 20:50	1.0		
190	icp data	SAMPLE	513092-001	Miscell.	346572	08/01/24 21:18	100.0	13	
191	icp data	SAMPLE	513092-002	Miscell.	346572	08/01/24 21:22	10.0	13	1:ZN=30
192	icp data	SAMPLE	513092-003	Miscell.	346572	08/01/24 21:25	10.0	13	1:ZN=42
193	icp data	SAMPLE	513092-004	Miscell.	346572	08/01/24 21:28	100.0	13	
194	icp data	SAMPLE	513148-011	Wipe	346641	08/01/24 21:31	10.0	13	1:ZN=35
195	icp data	SAMPLE	513148-012	Wipe	346641	08/01/24 21:34	10.0	13	
196	icp data	SAMPLE	513148-016	Wipe	346641	08/01/24 21:37	10.0	13	1:ZN=34
197	icp data	BLANK	QC1174672	WET Leachate	346699	08/01/24 21:40	1.0	13	
198	icp data	BS	QC1174673	WET Leachate	346699	08/01/24 21:43	1.0	13	
199	icp data	BSD	QC1174674	WET Leachate	346699	08/01/24 21:47	1.0	13	
200	icp data	CCV				08/01/24 21:50	1.0	9	
201	icp data	CCB				08/01/24 21:53	1.0		
202	icp data	SAMPLE	512878-001	WET Leachate	346699	08/01/24 21:56	1.0	13	
203	icp data	SAMPLE	512878-002	WET Leachate	346699	08/01/24 21:59	1.0	13	
204	icp data	BLANK	QC1174622	Soil	346680	08/01/24 22:02	1.0	13	
205	icp data	LCS	QC1174623	Soil	346680	08/01/24 22:05	1.0	13	
206	icp data	SAMPLE	512470-001	Miscell.	346680	08/01/24 22:09	1.0	13	
207	icp data	SAMPLE	513185-001	Soil	346680	08/01/24 22:12	1.0	13	2:FE=130
208	icp data	SAMPLE	513186-001	Soil	346680	08/01/24 22:15	1.0	13	2:FE=160
209	icp data	SAMPLE	513242-001	Miscell.	346680	08/01/24 22:18	1.0	13	3:FE=140
210	icp data	SAMPLE	513242-002	Miscell.	346680	08/01/24 22:21	1.0	13	3:FE=130
211	icp data	SAMPLE	513242-024	Soil	346680	08/01/24 22:24	1.0	13	3:FE=200
212	icp data	CCV				08/01/24 22:27	1.0	9	
213	icp data	CCB				08/01/24 22:30	1.0		
214	icp data	SAMPLE	513242-025	Soil	346680	08/01/24 22:34	1.0	13	3:FE=180
215	icp data	SAMPLE	513242-026	Soil	346680	08/01/24 22:37	1.0	13	2:FE=240
216	icp data	SAMPLE	513242-027	Soil	346680	08/01/24 22:40	1.0	13	3:FE=230
217	icp data	SAMPLE	513242-028	Soil	346680	08/01/24 22:43	1.0	13	2:FE=170
218	icp data	SAMPLE	513254-001	Miscell.	346680	08/01/24 22:46	1.0	13	2:FE=220
219	icp data	MSS	513292-001	Soil	346680	08/01/24 22:49	1.0	13	4:FEASFE2O3=180
220	icp data	MS	QC1174624	Soil	346680	08/01/24 22:52	1.0	13	5:FEASFE2O3=194

Instrument: MET12
Method: EPA 6010B

Begun: 08/01/24 10:36

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
221	icp data	MSD	QC1174625	Soil	346680	08/01/24 22:56	1.0	13	5:FEASFE2O3=190
222	icp data	PDS	QC1174626	Soil	346680	08/01/24 22:59	1.0	13	4:FEASFE2O3=180
223	icp data	SAMPLE	513292-002	Soil	346680	08/01/24 23:02	1.0	13	2:FE=120
224	icp data	CCV				08/01/24 23:05	1.0	9	
225	icp data	CCB				08/01/24 23:08	1.0		
226	icp data	SAMPLE	513292-003	Soil	346680	08/01/24 23:11	1.0	13	3:FE=130
227	icp data	SAMPLE	513292-004	Soil	346680	08/01/24 23:14	1.0	13	2:FE=130
228	icp data	SAMPLE	513292-005	Soil	346680	08/01/24 23:17	1.0	13	2:FE=120
229	icp data	SAMPLE	513292-006	Soil	346680	08/01/24 23:21	1.0	13	2:FE=130
230	icp data	SAMPLE	513302-009	Soil	346680	08/01/24 23:24	1.0	13	2:AL=130
231	icp data	SAMPLE	513302-010	Soil	346680	08/01/24 23:27	1.0	13	2:FE=130
232	icp data	BLANK	QC1174653	Filtrate	346696	08/01/24 23:30	1.0	13	
233	icp data	LCS	QC1174654	Filtrate	346696	08/01/24 23:33	1.0	13	
234	icp data	SAMPLE	512693-001	Filtrate	346696	08/01/24 23:36	1.0	13	
235	icp data	MSS	513192-001	Filtrate	346696	08/01/24 23:39	1.0	13	1:CAASCACO3=270
236	icp data	CCV				08/01/24 23:43	1.0	9	
237	icp data	CCB				08/01/24 23:46	1.0		
238	icp data	MS	QC1174655	Filtrate	346696	08/01/24 23:49	1.0	13	1:CAASCACO3=320
239	icp data	MSD	QC1174656	Filtrate	346696	08/01/24 23:52	1.0	13	1:CAASCACO3=320
240	icp data	SAMPLE	513269-001	Filtrate	346696	08/01/24 23:55	1.0	13	
241	icp data	SAMPLE	513269-002	Filtrate	346696	08/01/24 23:58	1.0	13	
242	icp data	SAMPLE	513269-003	Filtrate	346696	08/02/24 00:01	1.0	13	4:MG=1100
243	icp data	SAMPLE	513269-004	Filtrate	346696	08/02/24 00:04	1.0	13	
244	icp data	SAMPLE	513269-005	Filtrate	346696	08/02/24 00:08	1.0	13	3:CA=1500
245	icp data	SAMPLE	513269-006	Filtrate	346696	08/02/24 00:11	1.0	13	4:CA=1400
246	icp data	SAMPLE	513269-007	Filtrate	346696	08/02/24 00:14	1.0	13	1:FE=22
247	icp data	SAMPLE	513269-008	Filtrate	346696	08/02/24 00:17	1.0	13	1:CA=910
248	icp data	CCV				08/02/24 00:20	1.0	9	
249	icp data	CCB				08/02/24 00:23	1.0		

SBW 08/01/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 035.

SBW 08/02/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 036 through 249.

Standards Used:

1=S21190 2=S21189 3=S21188 4=S21187 5=S21186 6=S21166 7=S20782 8=S21161 9=S21323 10=S20459 11=S21125 12=S21126 13=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 513228-002	Client ID: DOOR-S-15.8GW-PS-21-240731-L-G
Seqnum: 794308796182	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 346644	Time: 01-AUG-2024 20:28
Cal: 794308796001	Caldate: 01-AUG-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.08 ft2 ⇒ 50.0 ml = 46.18 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.630	75	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	118618	-5.04

U=use

Label: 513228-002,346644	Rack/Tube: 3:24	Type: Sample
Date Time: 8/1/2024 8:28:52 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	0.00036414	0.00036414	mg/L	30.95110571	0.00016359	44.92522531	6.52822783	21.09		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363141
Al 396.152	Al	n	1.22197222	1.22197222	mg/L	41376.96790496	0.00360961	0.29539203	121.55547788	0.29	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529071
As 188.980	As	n	0.02989053	0.02989053	mg/L	135.00357758	0.00038757	1.29662036	1.71120204	1.27	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458461
B 249.678	B	n	0.01231392	0.01231392	mg/L	461.33623143	0.00009006	0.73136300	3.08366729	0.67	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340591
Ba 230.424	Ba	n	0.00842419	0.00842419	mg/L	1242.30460640	0.00013834	1.64216632	17.41844090	1.40	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02191
Be 313.107	Be	n	0.00001220	0.00001220	mg/L	15.77217154	0.00000788	64.59437970	8.95232538	56.76	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5801
Ca 317.933	Ca-R	n	6.09176706	6.09176706	mg/L	37136.36265541	0.01694457	0.27815521	101.11438005	0.27	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627731
Cd 214.439	Cd	nu	-0.00015435	-0.00015435	mg/L	215.99391758	0.00004785	31.00318134	8.44539744	3.91	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34181
Co 230.786	Co	n	0.00807194	0.00807194	mg/L	447.20172163	0.00025918	3.21081420	11.93217956	2.67	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073041
Cr 267.716	Cr	n	0.02645747	0.02645747	mg/L	1169.15022814	0.00082743	3.12738383	37.47189781	3.21	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270241
Cu 324.754	Cu	n	0.11434529	0.11434529	mg/L	5085.53457540	0.00072117	0.63069406	26.65905790	0.52	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451981
Fe 259.940	Fe	no	62.61294779	62.61294779	mg/L	1987639.12972886	0.08914706	0.14237800	2829.87587020	0.14	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905411
K 766.491	K-R	n	2.38655917	2.38655917	mg/L	765.31388864	0.02238590	0.93799911	10.65805318	1.39	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555911
Li 670.783	Li-R	n	0.00256013	0.00256013	mg/L	40.89393850	0.00156460	61.11397891	50.61102675	> 100.00	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651571
Mg 279.800	Mg-R	n	3.04988812	3.04988812	mg/L	1229.79349196	0.02340854	0.76752135	9.37485549	0.76	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864781
Mn 257.610	Mn	n	0.38704293	0.38704293	mg/L	126622.48143689	0.00286920	0.74131344	936.42537114	0.74	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44461
Mo 204.598	Mo	n	0.00237274	0.00237274	mg/L	27.53057364	0.00054615	23.01785728	7.04947557	25.61	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475281
Na 589.592	Na-R	n	1.81612625	1.81612625	mg/L	7659.12174519	0.00932312	0.51335174	39.56708679	0.52	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767791
Ni 231.604	Ni	n	0.04215862	0.04215862	mg/L	777.64281102	0.00078222	1.85542384	14.17222563	1.82	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929511
P 177.434	P	n	0.77352523	0.77352523	mg/L	66.11755449	0.00871336	1.12644844	0.72632113	1.10		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153481
Pb 220.353	Pb	n	1.62955971	1.62955971	mg/L	15814.59644923	0.00829111	0.50879479	80.40185294	0.51	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511751
S 181.972	S	n	3.88706984	3.88706984	mg/L	4431.36364419	0.04746529	1.22110728	52.29241973	1.18		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980331
Sb 206.834	Sb	n	0.00849483	0.00849483	mg/L	19.38600932	0.00008577	1.00970518	0.28884260	1.49	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357521
Se 196.026	Se	n	0.00543062	0.00543062	mg/L	39.59214027	0.00096977	17.85745596	3.12424406	7.89	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332601
Si 251.611	Si	n	3.08605979	3.08605979	mg/L	10135.10143393	0.01385388	0.44891791	45.39892757	0.45		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840291
Sn 189.925	Sn	n	0.04073376	0.04073376	mg/L	410.26629147	0.00054348	1.33423347	4.95870800	1.21	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361321
Sr 421.552	Sr-R	n	0.01129775	0.01129775	mg/L	1922.65118170	0.00009012	0.79769420	14.90090146	0.78	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36191
Ti 334.941	Ti	n	0.13054322	0.13054322	mg/L	25452.25804047	0.00596921	4.57259292	1161.16887594	4.56	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39141
Tl 190.794	Tl	nu	-0.00162734	-0.00162734	mg/L	-6.59602227	0.00012106	7.43883953	0.47310068	7.17	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444251
V 292.401	V	n	0.00987815	0.00987815	mg/L	184.05186898	0.00003047	0.30849222	0.82941777	0.45	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817861
Zn 206.200	Zn	n	2.80506375	2.80506375	mg/L	78453.92385146	0.01326986	0.47306808	369.08384576	0.47	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693051
Y 371.029	Y		0.95	0.95	Ratio	118618.24	0.02	1.84	2179.74	1.84		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	20904.00	0.01	0.55	114.08	0.55		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 513228-004	Client ID: DOOR-S-15.6GE-DG-7 TO 20-240731-L-LA
Seqnum: 794308796183	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 346644	Time: 01-AUG-2024 20:32
Cal: 794308796001	Caldate: 01-AUG-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.03 ft2 ⇒ 50.0 ml = 48.66 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	3.020	150	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	120409	-3.61

U=use

Label: 513228-004,346644	Rack/Tube: 3:25	Type: Sample
Date Time: 8/1/2024 8:32:00 PM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: _____	Customer: _____	Customer Ref.: _____
Sample Date Time: _____	Sample Site: _____	Description: _____
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coeffici
Ag 328.068	Ag	n	0.00042851	0.00042851	mg/L	35.10288070	0.00028056	65.47390531	11.19582089	31.89		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.36314
Al 396.152	Al	n	1.77901223	1.77901223	mg/L	60105.99479025	0.00097270	0.05467641	32.75618676	0.05	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.52907
As 188.980	As	n	0.02419023	0.02419023	mg/L	109.94610917	0.00111843	4.62348309	4.93814909	4.49	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.245846
B 249.678	B	n	0.01255096	0.01255096	mg/L	472.61660547	0.00017592	1.40164340	6.02355006	1.27	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.34059
Ba 230.424	Ba	n	0.01162058	0.01162058	mg/L	1644.38635555	0.00008291	0.71344466	10.43883347	0.63	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.0219
Be 313.107	Be	n	0.00009838	0.00009838	mg/L	113.83628430	0.00002193	22.28694723	24.91531133	21.89	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.580
Ca 317.933	Ca-R	n	7.13792581	7.13792581	mg/L	43368.21186037	0.14797502	2.07308149	883.02062000	2.04	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.362773
Cd 214.439	Cd	n	0.00039917	0.00039917	mg/L	264.07857156	0.00004196	10.51188024	7.40518901	2.80	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.3418
Co 230.786	Co	n	0.00492998	0.00492998	mg/L	297.61761731	0.00029722	6.02892595	13.68394770	4.60	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.07304
Cr 267.716	Cr	n	0.02534573	0.02534573	mg/L	1118.59320551	0.00021565	0.85083960	9.76626720	0.87	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.27024
Cu 324.754	Cu	n	0.19334395	0.19334395	mg/L	8018.55581804	0.00073917	0.38230610	27.32433399	0.34	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.45198
Fe 259.940	Fe	no	45.71643982	45.71643982	mg/L	1451278.68014534	0.12674809	0.27724839	4023.47952411	0.28	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.90541
K 766.491	K-R	n	2.65753711	2.65753711	mg/L	895.35009867	0.04648404	1.74913991	22.13131095	2.47	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.1055591
Li 670.783	Li-R	n	0.02238922	0.02238922	mg/L	682.20515662	0.00113276	5.05942087	36.64228069	5.37	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.65157
Mg 279.800	Mg-R	n	3.34457307	3.34457307	mg/L	1345.85362759	0.04905322	1.46665129	19.64525941	1.46	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.4886478
Mn 257.610	Mn	n	0.28734581	0.28734581	mg/L	94047.36331431	0.00139083	0.48402512	453.92586458	0.48	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.4446
Mo 204.598	Mo	n	0.00259987	0.00259987	mg/L	30.57474556	0.00034409	13.23477551	4.44130201	14.53	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.47528
Na 589.592	Na-R	n	1.90544958	1.90544958	mg/L	8038.76467084	0.05092670	2.67268675	216.13172582	2.69	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.976779
Ni 231.604	Ni	n	0.05713687	0.05713687	mg/L	1046.53892155	0.00022199	0.38852959	4.02206546	0.38	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.92951
P 177.434	P	n	0.77324332	0.77324332	mg/L	66.10173983	0.03923064	5.07351757	3.27015413	4.95		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.35715348
Pb 220.353	Pb	n	3.02046933	3.02046933	mg/L	29300.43966541	0.00724120	0.23973748	70.22042983	0.24	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.351175
S 181.972	S	n	4.08149007	4.08149007	mg/L	4645.35948895	0.03211014	0.78672597	35.37568087	0.76		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.698033
Sb 206.834	Sb	nu	-0.01279839	-0.01279839	mg/L	-54.18175236	0.00084321	6.58841488	2.83954378	5.24	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.535752
Se 196.026	Se	n	0.00454079	0.00454079	mg/L	38.30851641	0.00150099	33.05573929	4.83564399	12.62	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.633260
Si 251.611	Si	n	3.78964956	3.78964956	mg/L	12440.90956662	0.03607998	0.95206627	118.23350264	0.95		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.984029
Sn 189.925	Sn	n	0.04866303	0.04866303	mg/L	482.05906558	0.00105137	2.16050413	9.59260413	1.99	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.936132
Sr 421.552	Sr-R	n	0.01429857	0.01429857	mg/L	2419.51876378	0.00043491	3.04162995	71.90898528	2.97	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.3619
Ti 334.941	Ti	n	0.13541270	0.13541270	mg/L	26399.11927103	0.00259791	1.91851611	505.36292336	1.91	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.3914
Tl 190.794	Tl	nu	-0.00028072	-0.00028072	mg/L	-1.39142416	0.00026857	95.67450064	1.04962978	75.44	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.144425
V 292.401	V	n	0.00774033	0.00774033	mg/L	138.52615685	0.00006318	0.81620897	1.71954767	1.24	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.81786
Zn 206.200	Zn	no	212.53634147	212.53634147	mg/L	5911754.25511445	1.45460581	0.68440334	40457.95952672	0.68	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.69305
Y 371.029	Y		0.96	0.96	Ratio	120409.02	0.01	1.49	1799.02	1.49		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.95	0.95	Ratio	20859.90	0.02	2.20	459.54	2.20		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 513228-006	Client ID: DOOR-S-15.7GE-INT-20 TO 21-240731-L-CB
Seqnum: 794308796184	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 346644	Time: 01-AUG-2024 20:35
Cal: 794308796001	Caldate: 01-AUG-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.6059	30	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	119739	-4.14

U=use

Label:	513228-006,346644	Rack/Tube:	3:26	Type:	Sample
Date Time:	8/1/2024 8:35:08 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00015478	0.00015478	mg/L	23.11813415	0.00025326	163.63086177	10.10650331	43.72		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.36314
Al 396.152	Al	n	1.44755793	1.44755793	mg/L	48962.04871179	0.00612461	0.42309937	206.24943218	0.42	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.52907
As 188.980	As	n	0.03477103	0.03477103	mg/L	156.59030942	0.00160772	4.62372777	7.09846974	4.53	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.245846
B 249.678	B	n	0.01245503	0.01245503	mg/L	467.22994646	0.00033932	2.72435252	11.61839091	2.49	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.34059
Ba 230.424	Ba	n	0.00598593	0.00598593	mg/L	935.16127667	0.00012667	2.11615697	15.94934832	1.71	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.0219
Be 313.107	Be	n	0.00002269	0.00002269	mg/L	27.74742049	0.00001334	58.77771250	15.15685915	54.62	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.580
Ca 317.933	Ca-R	n	6.03885993	6.03885993	mg/L	36816.92204648	0.00769844	0.12748175	45.93940922	0.12	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277
Cd 214.439	Cd	nu	-0.00022940	-0.00022940	mg/L	185.86564073	0.00001746	7.61212647	3.08168791	1.66	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314090911	176479.3418
Co 230.786	Co	n	0.00619854	0.00619854	mg/L	359.26626982	0.00033639	5.42687705	15.48695564	4.31	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.07304
Cr 267.716	Cr	n	0.03049426	0.03049426	mg/L	1351.87601502	0.00003639	0.11933814	1.64806172	0.12	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.27024
Cu 324.754	Cu	n	0.26281761	0.26281761	mg/L	10578.31424066	0.00079973	0.30428971	29.56306704	0.28	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.45198
Fe 259.940	Fe	no	57.19928363	57.19928363	mg/L	1815788.26980807	0.06362895	0.11124082	2019.83142537	0.11	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890751	31743.90547
K 766.491	K-R	n	2.38625778	2.38625778	mg/L	765.57709083	0.03309027	1.38670143	15.75446182	2.06	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.1055597
Li 670.783	Li-R	n	0.00807320	0.00807320	mg/L	219.13162412	0.00115979	14.36589990	37.51641414	17.12	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.65157
Mg 279.800	Mg-R	n	3.00285102	3.00285102	mg/L	1210.28781340	0.02804907	0.93408137	11.23333496	0.93	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.4886478
Mn 257.610	Mn	n	0.30380710	0.30380710	mg/L	99444.05590055	0.00185989	0.61219356	607.01416762	0.61	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.4446
Mo 204.598	Mo	n	0.00396159	0.00396159	mg/L	48.08509909	0.00078397	19.78916362	10.11901933	21.04	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.47528
Na 589.592	Na-R	n	1.71871696	1.71871696	mg/L	7245.92225973	0.00721752	0.41993649	30.63098599	0.42	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.976779
Ni 231.604	Ni	n	0.10254892	0.10254892	mg/L	1870.93104017	0.00040548	0.39540634	7.34654723	0.39	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.92957
P 177.434	P	n	0.73900376	0.73900376	mg/L	63.24197610	0.02276169	3.08005088	1.89734983	3.00		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.35715346
Pb 220.353	Pb	n	0.60592626	0.60592626	mg/L	5887.22319316	0.00113487	0.18729548	11.00525716	0.19	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.351178
S 181.972	S	n	3.77718959	3.77718959	mg/L	4310.22278101	0.03498287	0.92616139	38.54056103	0.89		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.698030
Sb 206.834	Sb	nu	0.00213603	0.00213603	mg/L	-2.66136802	0.00227321	106.42230002	7.65511575	> 100.00	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.535756
Se 196.026	Se	n	0.00298624	0.00298624	mg/L	32.25408390	0.00171796	57.52899067	5.53462226	17.16	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.633260
Si 256.611	Si	n	3.51148665	3.51148665	mg/L	11529.27626607	0.02934804	0.83577252	96.17306047	0.83		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.984029
Sn 189.925	Sn	n	0.05079161	0.05079161	mg/L	501.84368899	0.00099718	1.96327002	9.09817413	1.81	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.936130
Sr 421.552	Sr-R	n	0.01082353	0.01082353	mg/L	1843.92750510	0.00006405	0.59176278	10.59011235	0.57	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.3619
Ti 334.941	Ti	n	0.11384258	0.11384258	mg/L	22203.43406785	0.00366122	3.21604071	712.20464890	3.21	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.3914
Tl 190.794	Tl	nu	-0.00083698	-0.00083698	mg/L	-3.52534338	0.00163705	195.59029219	6.39783111	> 100.00	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.144429
V 292.401	V	n	0.00640536	0.00640536	mg/L	93.81488410	0.00033465	5.22451137	9.10841507	9.71	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.81786
Zn 206.200	Zn	n	2.91666760	2.91666760	mg/L	81523.63145085	0.00829413	0.28436995	230.69028166	0.28	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.69309
Y 371.029	Y		0.96	0.96	Ratio	119738.56	0.01	1.36	1632.87	1.36		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	21096.18	0.00	0.32	67.65	0.32		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 513228-008	Client ID: DOOR-S-15.8GW-DG-6 TO 20-240731-L-LA
Seqnum: 794308796185	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 346644	Time: 01-AUG-2024 20:38
Cal: 794308796001	Caldate: 01-AUG-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.03 ft2 ⇒ 50.0 ml = 48.66 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.859	90	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	120381	-3.63

U=use

Label: 513228-008,346644	Rack/Tube: 3:27	Type: Sample
Date Time: 8/1/2024 8:38:16 PM	Weight: 1	Volume: 1
Dilution: 1	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID:	Customer:	Customer Ref.:
Sample Date Time:	Sample Site:	Description:
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00016826	0.00016826	mg/L	24.62669372	0.00020257	120.39024537	8.08372194	32.83		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401
Al 396.152	Al	n	1.07017627	1.07017627	mg/L	36237.01931437	0.00134621	0.12579331	45.33434016	0.13	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721
As 188.980	As	n	0.03272995	0.03272995	mg/L	147.62831896	0.00145380	4.44181460	6.41889993	4.35	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603
B 249.678	B	n	0.01248365	0.01248365	mg/L	470.06799280	0.00034728	2.78186002	11.89090111	2.53	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999
Ba 230.424	Ba	n	0.00699766	0.00699766	mg/L	1062.13785709	0.00006316	0.90254634	7.95218138	0.75	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	12591.1021949
Be 313.107	Be	nu	0.00000268	0.00000268	mg/L	5.07174455	0.00000344	128.51707215	3.90771069	77.05	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070
Ca 317.933	Ca-R	n	7.04525604	7.04525604	mg/L	42815.87753512	0.00318031	0.04514117	18.97807031	0.04	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352
Cd 214.439	Cd	nu	-0.00014612	-0.00014612	mg/L	170.70868082	0.00000507	3.46824665	0.89438758	0.52	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875
Co 230.786	Co	n	0.00524374	0.00524374	mg/L	312.33562825	0.00017791	3.39274773	8.19066297	2.62	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	6039.0730458
Cr 267.716	Cr	n	0.03074756	0.03074756	mg/L	1363.21738664	0.00027627	0.89849962	12.51136702	0.92	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405
Cu 324.754	Cu	n	0.28274968	0.28274968	mg/L	11322.61853851	0.00091711	0.32435452	33.90235299	0.30	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858
Fe 259.940	Fe	no	47.22093903	47.22093903	mg/L	1499037.15265360	0.13351687	0.28274928	4238.34675560	0.28	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163
K 766.491	K-R	n	2.47643438	2.47643438	mg/L	809.13882754	0.12579491	5.07967861	59.89165472	7.40	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175
Li 670.783	Li-R	n	0.01565592	0.01565592	mg/L	464.34432111	0.00140134	8.95088947	45.33019170	9.76	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760
Mg 279.800	Mg-R	n	3.06590469	3.06590469	mg/L	1234.36183377	0.00501924	0.16371139	2.01014675	0.16	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488647866
Mn 257.610	Mn	n	0.25001090	0.25001090	mg/L	81864.35269903	0.00193459	0.77380284	631.39541264	0.77	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627
Mo 204.598	Mo	n	0.00281451	0.00281451	mg/L	33.19559380	0.00038510	13.68260838	4.97065257	14.97	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892
Na 589.592	Na-R	n	1.90861299	1.90861299	mg/L	8052.22000369	0.00371777	0.19478932	15.77814786	0.20	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97677973
Ni 231.604	Ni	n	0.11852932	0.11852932	mg/L	2158.97517865	0.00085915	0.72484210	15.56602723	0.72	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129
P 177.434	P	n	0.78117246	0.78117246	mg/L	66.76134580	0.01120188	1.43398344	0.93375714	1.40		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823
Pb 220.353	Pb	n	1.85873632	1.85873632	mg/L	18035.89461083	0.00699164	0.37614991	67.80034084	0.38	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549
S 181.972	S	n	4.21117274	4.21117274	mg/L	4788.09471074	0.04560939	1.08305672	50.24777468	1.05		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328
Sb 206.834	Sb	nu	0.00042311	0.00042311	mg/L	-9.51661437	0.00231816	547.88134036	7.80648789	82.03	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285
Se 196.026	Se	n	0.00634989	0.00634989	mg/L	44.02893950	0.00300096	47.26004507	9.66799026	21.96	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008
Si 251.611	Si	n	2.70566877	2.70566877	mg/L	8888.67943343	0.02081684	0.76937881	68.21645927	0.77		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98402922
Sn 189.925	Sn	n	0.05460973	0.05460973	mg/L	536.33640415	0.00064937	1.18911717	5.92484428	1.10	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231
Sr 421.552	Sr-R	n	0.01216196	0.01216196	mg/L	2066.17138282	0.00011986	0.98552468	19.81778449	0.96	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975
Ti 334.941	Ti	n	0.07705836	0.07705836	mg/L	15047.63191058	0.00035485	0.46049333	69.02741635	0.46	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.391403
Tl 190.794	Tl	nu	-0.00059854	-0.00059854	mg/L	-2.63698086	0.00053356	89.14346138	2.08523208	79.08	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568
V 292.401	V	n	0.00536832	0.00536832	mg/L	73.21887132	0.00030847	5.74606144	8.39580414	11.47	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670
Zn 206.200	Zn	n	29.83775309	29.83775309	mg/L	830237.64263465	0.12080655	0.40487818	3360.07632322	0.40	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.6930591
Y 371.029	Y		0.96	0.96	Ratio	120381.08	0.02	1.88	2262.53	1.88		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21255.24	0.00	0.08	17.59	0.08		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 513228-010	Client ID: DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA
Seqnum: 794308796186	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 346644	Time: 01-AUG-2024 20:41
Cal: 794308796001	Caldate: 01-AUG-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.03 ft2 ⇒ 50.0 ml = 48.66 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.393	68	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	120200	-3.78

U=use

Label: 513228-010,346644 Rack/Tube: 3:28 Type: Sample
Date Time: 8/1/2024 8:41:24 PM Weight: 1 Volume: 1
Dilution: 1 %RSE limit: - Calibration Coefficient [3]: -
LIMS ID: Customer: Customer Ref.:
Sample Date: Sample Site: Description:
Time: Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00004848	0.00004848	mg/L	19.43685612	0.00009576	197.51308139	3.82146498	19.66		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.36
Al 396.152	Al	n	1.31296480	1.31296480	mg/L	44425.41937860	0.00530058	0.40371053	178.49973847	0.40	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.52
As 188.980	As	n	0.02864667	0.02864667	mg/L	129.58025017	0.00034024	1.18772022	1.50225333	1.16	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24
B 249.678	B	n	0.01244174	0.01244174	mg/L	467.80418598	0.00033053	2.65663860	11.31752677	2.42	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.34
Ba 230.424	Ba	n	0.00639082	0.00639082	mg/L	985.96454641	0.00010361	1.62118187	13.04523752	1.32	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.0
Be 313.107	Be	n	0.00000270	0.00000270	mg/L	5.06226627	0.00000131	48.39719675	1.48676029	29.37	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295
Ca 317.933	Ca-R	n	7.74905893	7.74905893	mg/L	47018.80667836	0.01958784	0.25277700	116.88773893	0.25	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36
Cd 214.439	Cd	n	0.00012677	0.00012677	mg/L	232.90334317	0.00004388	34.61153850	7.74318319	3.32	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.3
Co 230.786	Co	n	0.00555401	0.00555401	mg/L	328.03798372	0.00035411	6.37571699	16.30278933	4.97	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	40639.07
Cr 267.716	Cr	n	0.03440455	0.03440455	mg/L	1528.95437949	0.00031014	0.90145679	14.04549124	0.92	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.27
Cu 324.754	Cu	n	0.26987787	0.26987787	mg/L	10843.39728356	0.00138626	0.51366368	51.24528336	0.47	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.45
Fe 259.940	Fe	no	51.81427446	51.81427446	mg/L	1644847.98725368	0.07661540	0.14786543	2432.07206668	0.15	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.90
K 766.491	K-R	n	2.67501072	2.67501072	mg/L	903.21049284	0.00631261	0.23598433	3.00546683	0.33	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-65.278166237165	476.105
Li 670.783	Li-R	n	0.01108197	0.01108197	mg/L	316.56543336	0.00161118	14.53876394	52.11794130	16.46	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.65
Mg 279.800	Mg-R	n	3.23114357	3.23114357	mg/L	1301.09662519	0.02023900	0.62637258	8.10548865	0.62	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488
Mn 257.610	Mn	n	0.28696801	0.28696801	mg/L	93936.69668932	0.00237702	0.82832247	775.79162249	0.83	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.4
Mo 204.598	Mo	n	0.00320128	0.00320128	mg/L	38.23753732	0.00073323	22.90427866	9.46414279	24.75	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.47
Na 589.592	Na-R	n	1.93698670	1.93698670	mg/L	8172.41828827	0.00316948	0.16362929	13.45118902	0.16	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97
Ni 231.604	Ni	n	0.10894351	0.10894351	mg/L	1986.02634837	0.00014429	0.13244658	2.61427128	0.13	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.92
P 177.434	P	n	0.80066883	0.80066883	mg/L	68.38616100	0.00831933	1.03904768	0.69347574	1.01		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.35715
Pb 220.353	Pb	n	1.39252933	1.39252933	mg/L	13514.97196413	0.00704273	0.50575071	68.29579658	0.51	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.351
S 181.972	S	n	4.35433464	4.35433464	mg/L	4946.02246177	0.05873605	1.34890998	64.70939555	1.31		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69
Sb 206.834	Sb	nu	-0.00508923	-0.00508923	mg/L	-27.57835607	0.00237294	46.62676074	7.99096487	28.98	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53
Se 196.026	Se	n	0.00513844	0.00513844	mg/L	39.69238113	0.00081728	15.90530331	2.63299253	6.63	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63
Si 251.611	Si	n	3.23654816	3.23654816	mg/L	10628.33431498	0.04785700	1.47864327	156.82662995	1.48		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98
Sn 189.925	Sn	n	0.05221820	0.05221820	mg/L	514.68414047	0.00062495	1.19680565	5.70200748	1.11	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93
Sr 421.552	Sr-R	n	0.01324362	0.01324362	mg/L	2246.28542094	0.00006388	0.48233967	10.56194221	0.47	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.3
Ti 334.941	Ti	n	0.10628194	0.10628194	mg/L	20732.47222465	0.00396240	3.72819974	770.79193896	3.72	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.3
Tl 190.794	Tl	nu	-0.00021249	-0.00021249	mg/L	-1.11037045	0.00040116	188.79151165	1.56779120	> 100.00	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14
V 292.401	V	n	0.00604152	0.00604152	mg/L	88.03036174	0.00020473	3.38866103	5.57221139	6.33	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.81
Zn 206.200	Zn	no	161.14082659	161.14082659	mg/L	4482289.64643537	0.68648863	0.42601782	19093.78406228	0.43	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.65
Y 371.029	Y		0.96	0.96	Ratio	120199.93	0.02	1.85	2225.68	1.85		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21182.12	0.00	0.27	56.61	0.27		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET12	Lab ID: 513228-011	Client ID: DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-LA
Seqnum: 794308796187	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: icp data	Batch: 346644	Time: 01-AUG-2024 20:44
Cal: 794308796001	Caldate: 01-AUG-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.03 ft2 ⇒ 50.0 ml = 48.66 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.493	120	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	124916	119575	-4.28

U=use

Label: 513228-011,346644	Rack/Tube: 3:29	Type: Sample
Date Time: 8/1/2024 8:44:32 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	0.00039030	0.00039030	mg/L	33.91625152	0.00011311	28.97991878	4.51359562	13.31		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.36
Al 396.152	Al	n	1.11851871	1.11851871	mg/L	37853.73124467	0.00077518	0.06930376	26.10444577	0.07	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.52
As 188.980	As	n	0.03283238	0.03283238	mg/L	148.10837784	0.00095017	2.89399295	4.19521936	2.83	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24
B 249.678	B	n	0.01246772	0.01246772	mg/L	470.39815451	0.00036204	2.90383393	12.39643275	2.64	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.34
Ba 230.424	Ba	n	0.00730122	0.00730122	mg/L	1100.19216377	0.00002409	0.32994855	3.03323228	0.28	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.0
Be 313.107	Be	n	0.00000356	0.00000356	mg/L	6.11420054	0.00000372	104.47039795	4.22189266	69.05	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295
Ca 317.933	Ca-R	n	6.69715549	6.69715549	mg/L	40735.48591568	0.01429060	0.21338312	85.27719055	0.21	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36
Cd 214.439	Cd	n	0.00015515	0.00015515	mg/L	209.56573949	0.00001321	8.51517973	2.33159039	1.11	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.3
Co 230.786	Co	n	0.00474903	0.00474903	mg/L	288.12244610	0.00018096	3.81055051	8.33141904	2.89	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.07
Cr 267.716	Cr	n	0.01968632	0.01968632	mg/L	862.18628749	0.00003947	0.20047272	1.78729432	0.21	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.27
Cu 324.754	Cu	n	0.16842231	0.16842231	mg/L	7099.89593891	0.00081448	0.48359347	30.10840924	0.42	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.45
Fe 259.940	Fe	no	42.48305105	42.48305105	mg/L	1348637.84626056	0.02706766	0.06371402	859.23322360	0.06	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.90
K 766.491	K-R	n	2.68683226	2.68683226	mg/L	909.72017904	0.13295569	4.94841780	63.30094117	6.96	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105
Li 670.783	Li-R	n	0.02390986	0.02390986	mg/L	731.20452299	0.00140338	5.86944367	45.39591391	6.21	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.65
Mg 279.800	Mg-R	n	2.89779698	2.89779698	mg/L	1166.46891600	0.01199755	0.41402307	4.80488183	0.41	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488
Mn 257.610	Mn	n	0.25144063	0.25144063	mg/L	82320.20574861	0.00141662	0.56339997	462.34314652	0.56	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.4
Mo 204.598	Mo	n	0.00381370	0.00381370	mg/L	46.10019429	0.00171630	45.00347312	22.15307225	48.05	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.47
Na 589.592	Na-R	n	2.02009168	2.02009168	mg/L	8525.52860669	0.01682337	0.83280243	71.39800284	0.84	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97
Ni 231.604	Ni	n	0.04585717	0.04585717	mg/L	841.56849443	0.00047861	1.04369057	8.67136630	1.03	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.92
P 177.434	P	n	0.80827399	0.80827399	mg/L	69.02151658	0.01034611	1.28002548	0.86242253	1.25		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.35715
Pb 220.353	Pb	n	2.49262184	2.49262184	mg/L	24182.42685886	0.00782873	0.31407622	75.91796758	0.31	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.351
S 181.972	S	n	4.36310145	4.36310145	mg/L	4955.34559295	0.03633466	0.83277147	40.02982821	0.81		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69
Sb 206.834	Sb	nu	-0.00698534	-0.00698534	mg/L	-34.99251785	0.00119492	17.10616007	4.02394498	11.50	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53
Se 196.026	Se	n	0.00452002	0.00452002	mg/L	38.58341671	0.00060031	13.28113920	1.93397847	5.01	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63
Si 251.611	Si	n	2.74796467	2.74796467	mg/L	9027.32527239	0.02902919	1.05638865	95.12818163	1.05		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98
Sn 189.925	Sn	n	0.04559260	0.04559260	mg/L	453.89955994	0.00065210	1.43028013	5.94973623	1.31	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93
Sr 421.552	Sr-R	n	0.01181701	0.01181701	mg/L	2008.36744292	0.00014084	1.19182393	23.28647984	1.16	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.3
Ti 334.941	Ti	n	0.07532323	0.07532323	mg/L	14710.01790019	0.00372143	4.94061570	723.91659595	4.92	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.3
Tl 190.794	Tl	nu	0.00047932	0.00047932	mg/L	1.55941586	0.00131344	274.02394896	5.13312168	> 100.00	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14
V 292.401	V	n	0.00503026	0.00503026	mg/L	67.62458274	0.00030234	6.01045386	8.22907362	12.17	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.81
Zn 206.200	Zn	no	164.10680224	164.10680224	mg/L	4564726.58895429	1.09699496	0.66846404	30511.48106310	0.67	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.65
Y 371.029	Y		0.96	0.96	Ratio	119574.57	0.01	1.42	1700.69	1.42		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	21045.58	0.01	0.56	118.80	0.56		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	Lab ID: QC1174504	
Seqnum: 794308796173.2	Matrix: Wipe	
File: icp data	Batch: 346644	Time: 01-AUG-2024 20:00
Cal: 794308796001	Caldate: 01-AUG-2024	
IDF: 1.0	Raw Units: mg/L	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.004053	ND	0.50	U

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	124916	119092	-4.66

U=Use

Label: BLANK, QC1174504, 346644

Rack/Tube: 3:17

Type: Sample

Date Time: 8/1/2024 8:00:43 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date Time:

Sample Site:

Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00007023	0.00007023	mg/L	24.68792871	0.00009077	129.25729753	3.62228844	14.67		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.06989479	0.06989479	mg/L	2429.49029177	0.00075047	1.07371067	25.27239948	1.04	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00147152	0.00147152	mg/L	9.83990202	0.00131311	89.23526350	5.79771527	58.92	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00088234	0.00088234	mg/L	80.97346212	0.00026030	29.50059874	8.91263836	11.01	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00032708	-0.00032708	mg/L	137.75220054	0.00005300	16.20299957	6.67291047	4.84	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00009508	0.00009508	mg/L	110.48832643	0.00001176	12.36474943	13.35873433	12.09	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.03819568	0.03819568	mg/L	972.08653028	0.00134273	3.51540204	8.01256773	0.82	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	nu	0.00003557	0.00003557	mg/L	65.47467738	0.00004684	131.68177182	8.26541509	12.62	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	nu	-0.00014104	-0.00014104	mg/L	50.55032939	0.00025613	181.60089471	11.79187786	23.33	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00032795	0.00032795	mg/L	-15.56735797	0.00009667	29.47758485	4.37798144	28.12	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00348882	0.00348882	mg/L	1032.60478323	0.00106546	30.53940495	39.38643057	3.81	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	n	0.02979679	0.02979679	mg/L	1001.24202112	0.00012031	0.40377824	3.81920268	0.38	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.81643861	0.81643861	mg/L	23.42112910	0.05432557	6.65396825	25.86470381	> 100.00	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	-0.00161506	-0.00161506	mg/L	-96.22309768	0.00063941	39.59046652	20.68335515	21.50	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	n	0.01224208	0.01224208	mg/L	5.94256754	0.01010246	82.52235847	4.04591898	68.08	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00109204	0.00109204	mg/L	520.23334805	0.00004821	4.41453794	15.73384310	3.02	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00149481	0.00149481	mg/L	15.93806947	0.00013397	8.96255774	1.72925634	10.85	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01258194	0.01258194	mg/L	7.63299229	0.00100533	7.99024686	4.26658830	55.90	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	nu	-0.00046055	-0.00046055	mg/L	-4.07168973	0.00039541	85.85624811	7.16408259	> 100.00	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	nu	0.00457812	0.00457812	mg/L	2.02983774	0.01942529	424.30744049	1.61923720	79.77		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	n	0.00405285	0.00405285	mg/L	47.97737923	0.00145950	36.01162724	14.15327251	29.50	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.10381262	0.10381262	mg/L	261.23883848	0.00390143	3.75814337	4.29819446	1.65		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	nu	0.00021029	0.00021029	mg/L	-15.20466410	0.00050687	241.03753543	1.70690300	11.23	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	n	0.00301778	0.00301778	mg/L	37.55206111	0.00233338	77.32089378	7.51728028	20.02	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	n	0.03997113	0.03997113	mg/L	153.59059771	0.00233069	5.83093910	7.63764108	4.97		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	0.02447734	0.02447734	mg/L	259.78440114	0.00025908	1.05843177	2.36379252	0.91	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00017284	0.00017284	mg/L	71.23399506	0.00002521	14.58638283	4.16846590	5.85	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00093607	0.00093607	mg/L	239.09283830	0.00017058	18.22341897	33.18302768	13.88	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00056677	0.00056677	mg/L	1.75933121	0.00013444	23.72021578	0.52540400	29.86	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00116512	0.00116512	mg/L	-6.84242377	0.00028672	24.60866554	7.80393200	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	n	0.02380329	0.02380329	mg/L	721.65212431	0.00179971	7.56076275	50.05658680	6.94	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		0.95	0.95	Ratio	119091.50	0.02	2.61	3108.97	2.61		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21131.92	0.00	0.14	29.56	0.14		-	-	-	Fitted	-	-

ENTHALPY SPIKE USER REPORT FOR 513228 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET12	Inst: MET12
Seqnum: 794308796174.2	Seqnum: 794308796175.2
File: icp data	File: icp data
IDF: 1.0	IDF: 1.0
Lab ID: QC1174506	Lab ID: QC1174507
Matrix: Wipe	Matrix: Wipe
Batch: 346644	Batch: 346644
Time: 01-AUG-2024 20:03	Time: 01-AUG-2024 20:06
Cal: 794308796001	Cal: 794308796001
Units: ug/ft2	

- BS: 1.00 ft2 $\Rightarrow$ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 $\Rightarrow$ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	50.00	1.054	52.69	A	105	1.033	51.67	A	103	80-120	2	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	124916	119022	-4.72

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	124916	119128	-4.63

U=USE

Label: BS, QC1174506, 346644

Rack/Tube: 3:18

Type: Sample

Date Time: 8/1/2024 8:03:51 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient (3): -

LIMS ID:

Customer:

Customer Ref.:

Sample Date Time:

Sample Site:

Description:

Replicates: 3

Flags Replicate 1:

Flags Replicate 2:

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.46007400	0.46007400	mg/L	18381.25484145	0.00290510	0.63144169	115.92903046	0.63		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.36314019
Al 396.152	Al	n	0.95524317	0.95524317	mg/L	32250.57092985	0.00268349	0.28092269	90.36810592	0.28	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.52907214
As 188.980	As	n	0.94402562	0.94402562	mg/L	4171.46303666	0.00815248	0.86358678	35.99520577	0.86	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.245846035
B 249.678	B	n	0.88255774	0.88255774	mg/L	30269.77853776	0.00452404	0.51260503	154.90451191	0.51	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.34059994
Ba 230.424	Ba	n	1.01651545	1.01651545	mg/L	128169.78505316	0.00126934	0.12487126	159.82335225	0.12	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.0219498
Be 313.107	Be	n	0.99511609	0.99511609	mg/L	1130748.44994387	0.00074421	0.07478579	845.63732182	0.07	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.580706
Ca 317.933	Ca-R	n	1.07409072	1.07409072	mg/L	7154.26669681	0.00182389	0.16980760	10.88379964	0.15	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.362773528
Cd 214.439	Cd	n	0.99035376	0.99035376	mg/L	174839.27195138	0.00843514	0.85173013	1488.62819851	0.85	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.3418750
Co 230.786	Co	n	1.07527417	1.07527417	mg/L	49562.01648486	0.00234394	0.21798512	107.91271864	0.22	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.07304581
Cr 267.716	Cr	n	1.00976784	1.00976784	mg/L	45699.30271940	0.00316425	0.31336371	143.30006253	0.31	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.27024053
Cu 324.754	Cu	n	1.03652509	1.03652509	mg/L	39219.96905103	0.00273344	0.26371228	101.04572343	0.26	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.45198587
Fe 259.940	Fe	n	1.12682297	1.12682297	mg/L	35826.10268892	0.00298525	0.26492655	94.76359485	0.26	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.90541633
K 766.491	K-R	n	9.49201420	9.49201420	mg/L	4153.57507128	0.03813793	0.40178966	18.15768131	0.44	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.1055591755
Li 670.783	Li-R	n	1.03029287	1.03029287	mg/L	33283.85476910	0.00167028	0.16211653	54.02947585	0.16	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.65157604
Mg 279.800	Mg-R	n	1.03182294	1.03182294	mg/L	414.40084920	0.00846858	0.82074007	3.39157190	0.82	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.4886478667
Mn 257.610	Mn	n	1.08782294	1.08782294	mg/L	355200.89677379	0.00363954	0.33457057	1187.84044183	0.33	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.4446275
Mo 204.598	Mo	n	1.00547303	1.00547303	mg/L	12974.94102175	0.00269702	0.26823401	34.81172756	0.27	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.47528929
Na 589.592	Na-R	n	14.26673991	14.26673991	mg/L	60501.77652253	0.04117233	0.28858959	174.73439750	0.29	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.976779730
Ni 231.604	Ni	n	1.05555676	1.05555676	mg/L	19128.99895110	0.00576383	0.54604638	104.42865699	0.55	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.92951293
P 177.434	P	n	0.01465457	0.01465457	mg/L	2.87233932	0.00366115	24.98300594	0.30518323	10.62		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.35715348232
Pb 220.353	Pb	n	1.05387740	1.05387740	mg/L	10227.25730597	0.00800660	0.75972797	77.64282534	0.76	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.351175497
S 181.972	S	n	0.07181883	0.07181883	mg/L	226.27049002	0.00406527	5.66044695	4.47869642	1.98		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.698033289
Sb 206.834	Sb	n	0.91548027	0.91548027	mg/L	3067.06780099	0.00237007	0.25888828	7.98129938	0.26	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.535752858
Se 196.026	Se	n	0.85589288	0.85589288	mg/L	2785.13511286	0.01087883	1.27105016	35.04759362	1.26	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.633260087
Si 251.611	Si	n	4.68156500	4.68156500	mg/L	15364.04336256	0.03263440	0.69708322	106.94242041	0.70		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.984029226
Sn 189.925	Sn	n	0.02383826	0.02383826	mg/L	254.00950539	0.00055754	2.33883664	5.08694038	2.00	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.45241115141962	9123.936132317
Sr 421.552	Sr-R	n	1.06821023	1.06821023	mg/L	176664.52748968	0.00200457	0.18765654	331.43974247	0.19	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.3619758
Ti 334.941	Ti	n	1.03116973	1.03116973	mg/L	200646.77643138	0.00545252	0.52877001	1060.65833072	0.53	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.3914030
Tl 190.794	Tl	n	1.07504673	1.07504673	mg/L	4200.99092071	0.00516370	0.48032296	20.18047098	0.48	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.144425681
V 292.401	V	n	1.01526757	1.01526757	mg/L	27594.11564381	0.00225730	0.22233525	61.43871718	0.22	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.81786705
Zn 206.200	Zn	n	1.21272063	1.21272063	mg/L	33796.13428510	0.00777582	0.64118802	216.27425193	0.64	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.69305913
Y 371.029	Y		0.95	0.95	Ratio	119021.56	0.02	2.57	3056.96	2.57		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21168.44	0.00	0.23	47.68	0.23		-	-	-	Fitted	-	-

Label: BSD,QC1174507,346644

Rack:Tube: 3:19

Type: Sample

Date Time: 8/1/2024 8:06:59 PM

Weight: 1

Volume: 1

Dilution: 1

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date
Time:

Sample Site:

Description:

Replicates: 3

Flags Replicate 1:

Flags Replicate 2:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.45153628	0.45153628	mg/L	18040.55510404	0.00223535	0.49505472	89.20251993	0.49		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401
Al 396.152	Al	n	0.93237468	0.93237468	mg/L	31480.29524487	0.00134407	0.14415540	45.26221524	0.14	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721
As 188.980	As	n	0.92710711	0.92710711	mg/L	4096.76324720	0.00791274	0.85348767	34.93671408	0.85	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603
B 249.678	B	n	0.86521994	0.86521994	mg/L	29676.12725668	0.00926105	1.07036998	317.10166123	1.07	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999
Ba 230.424	Ba	n	0.99583106	0.99583106	mg/L	125565.38337853	0.00577752	0.58017058	727.45330445	0.58	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949
Be 313.107	Be	n	0.97249584	0.97249584	mg/L	1105045.16342284	0.00249128	0.25617403	2830.83248138	0.26	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070
Ca 317.933	Ca-R	n	1.04975110	1.04975110	mg/L	7009.01004136	0.00037752	0.03596264	2.25278826	0.03	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352
Cd 214.439	Cd	n	0.96671512	0.96671512	mg/L	170667.47154239	0.00821119	0.84939130	1449.10612987	0.85	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875
Co 230.786	Co	n	1.05057921	1.05057921	mg/L	48425.07566786	0.00594069	0.56546762	273.50364072	0.56	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458
Cr 267.716	Cr	n	0.98941163	0.98941163	mg/L	44777.42334859	0.00143974	0.14551453	65.20179178	0.15	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405
Cu 324.754	Cu	n	1.01282224	1.01282224	mg/L	38343.76380875	0.00515728	0.50919913	190.64641768	0.50	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858
Fe 259.940	Fe	n	1.10393507	1.10393507	mg/L	35099.52481335	0.00291700	0.26423662	92.59699334	0.26	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163
K 766.491	K-R	n	9.24534951	9.24534951	mg/L	4036.14533682	0.06419552	0.69435471	30.56384368	0.76	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175
Li 670.783	Li-R	n	1.00494364	1.00494364	mg/L	32463.85907759	0.00200028	0.19904422	64.70443292	0.20	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760
Mg 279.800	Mg-R	n	0.98581463	0.98581463	mg/L	395.97219543	0.00991574	1.00584271	3.97114315	1.00	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.488647866
Mn 257.610	Mn	n	1.06392636	1.06392636	mg/L	347401.67146608	0.00286996	0.26975190	936.67350581	0.27	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627
Mo 204.598	Mo	n	0.98412786	0.98412786	mg/L	12699.42431361	0.00137276	0.13948966	17.71882170	0.14	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892
Na 589.592	Na-R	n	13.95910374	13.95910374	mg/L	59196.18019484	0.02306813	0.16525512	97.90062141	0.17	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97677973
Ni 231.604	Ni	n	1.03533099	1.03533099	mg/L	18762.54445271	0.00299778	0.28954794	54.31355877	0.29	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129
P 177.434	P	nu	-0.00149707	-0.00149707	mg/L	1.52591378	0.00730537	487.97858562	0.60895511	39.91		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823
Pb 220.353	Pb	n	1.03330579	1.03330579	mg/L	10027.79892781	0.00679456	0.65755548	65.88922376	0.66	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549
S 181.972	S	n	0.05590883	0.05590883	mg/L	208.73530822	0.00495083	8.85518698	5.45432129	2.61		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328
Sb 206.834	Sb	n	0.91876515	0.91876515	mg/L	3078.12841341	0.00512867	0.55821289	17.27096445	0.56	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285
Se 196.026	Se	n	0.83754049	0.83754049	mg/L	2726.01180955	0.01024716	1.22348265	33.01259979	1.21	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008
Si 251.611	Si	n	4.59095195	4.59095195	mg/L	15067.10521847	0.02624934	0.57176257	86.01868316	0.57		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.98402922
Sn 189.925	Sn	n	0.02272770	0.02272770	mg/L	243.87549524	0.00068391	3.00913287	6.23992020	2.56	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231
Sr 421.552	Sr-R	n	1.04734488	1.04734488	mg/L	173214.56231168	0.00980255	0.93594271	1620.77644742	0.94	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975
Ti 334.941	Ti	n	1.00825037	1.00825037	mg/L	196188.35432348	0.00071767	0.071117969	139.60566245	0.07	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.391403
Tl 190.794	Tl	n	1.05238812	1.05238812	mg/L	4112.43759453	0.00158906	0.15099529	6.21026240	0.15	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568
V 292.401	V	n	0.99224177	0.99224177	mg/L	26967.41857310	0.00073655	0.07423085	20.04726912	0.07	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670
Zn 206.200	Zn	n	1.08733539	1.08733539	mg/L	30308.56889149	0.00691996	0.63641464	192.46968875	0.64	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.6930591
Y 371.029	Y		0.95	0.95	Ratio	119127.66	0.02	2.23	2653.28	2.23		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21205.22	0.00	0.45	95.95	0.45		-	-	-	Fitted	-	-

Instrument:	MET12	Date:	01-AUG-2024 10:36
Calibration #:	794308796001	X Axis:	R
Units:	mg/L		

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794308796002	L1	01-AUG-2024 10:39	S21190
L2	icp data	794308796003	L2	01-AUG-2024 10:42	S21189
L3	icp data	794308796004	L3	01-AUG-2024 10:45	S21188
L4	icp data	794308796005	L4	01-AUG-2024 10:49	S21187
L5	icp data	794308796006	L5	01-AUG-2024 10:52	S21186
L6	icp data	794308796007	L6	01-AUG-2024 10:55	S21166

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	-0.0003	1.05E-4		10290	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
 WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	12115	10446	10165	9946.6	9618.7	9450.5

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	17	0.0100	7	0.1000	7	1.0000	5	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	Cal Date: 01-AUG-2024
Calnum: 794308796001	

- ICV 794308796010 (01-AUG-2024) stds: S21323

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.037	mg/L	4	10	

Label: ICALBLK	Rack/Tube: S1:1	Type: BLK
Date Time: 8/1/2024 10:36:37 AM	%RSE: _____	Weight: -
Volume: -	Dilution: -	%RSE limit: -
Calibration Coefficient [1]: -	Calibration Coefficient [2]: -	Calibration Coefficient [3]: -
LIMS ID: _____	Customer: _____	Customer Ref: _____
Sample Date Time: _____	Sample Site: _____	Description: _____
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2
Ag 328.068	Ag	n	0.00000000	0.00000000	mg/L	21.88766036	-	-	2.18652931	9.99	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	21.52175506	19.90
Al 396.152	Al	n	0.00000000	0.00000000	mg/L	196.19185206	-	-	24.91353170	12.70	Y (371.029 nm)	Linear	-	Fitted	0.00000000	0.00000000	0.00000000	167.45076741	211.6
As 188.980	As	n	0.00000000	0.00000000	mg/L	2.23265246	-	-	2.22376315	99.60	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	3.82660436	-0.30
B 249.678	B	n	0.00000000	0.00000000	mg/L	51.19883896	-	-	1.20348653	2.35	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	50.05970910	52.45
Ba 230.424	Ba	n	0.00000000	0.00000000	mg/L	52.80287720	-	-	16.49532368	31.24	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	60.74792668	63.80
Be 313.107	Be	n	0.00000000	0.00000000	mg/L	15.63312754	-	-	6.35707092	40.66	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	8.51393926	17.64
Ca 317.933	Ca-R	n	0.00000000	0.00000000	mg/L	737.40226135	-	-	11.27909523	1.53	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	744.34528375	724.1
Cd 214.439	Cd	n	0.00000000	0.00000000	mg/L	19.65700875	-	-	6.97909489	35.50	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	11.73401027	24.85
Co 230.786	Co	n	0.00000000	0.00000000	mg/L	61.62131931	-	-	4.68465421	7.60	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	58.31989554	66.90
Cr 267.716	Cr	n	0.00000000	0.00000000	mg/L	-31.75264966	-	-	2.16868742	6.83	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-33.43434501	-32.5
Cu 324.754	Cu	n	0.00000000	0.00000000	mg/L	970.19647120	-	-	25.46352706	2.62	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	986.8281601	986.6
Fe 259.940	Fe	n	0.00000000	0.00000000	mg/L	3.29346530	-	-	6.63740880	> 100.00	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	8.15936137	5.980
K 766.491	K-R	n	0.00000000	0.00000000	mg/L	-0.25802793	-	-	59.12846964	> 100.00	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	-60.70575524	2.470
Li 670.783	Li-R	n	Error	Error	mg/L	31993.79836077	-	-	98.74005174	N/A	Y-R (371.029 nm)	Linear	0.00000	FACT	Error	Error	Error	31893.15507221	3209
Mg 279.800	Mg-R	n	0.00000000	0.00000000	mg/L	1.08448789	-	-	0.73847499	68.09	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	0.25860240	1.310
Mn 257.610	Mn	n	0.00000000	0.00000000	mg/L	58.50433917	-	-	10.37203816	17.73	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	69.28798334	48.50
Mo 204.598	Mo	n	0.00000000	0.00000000	mg/L	7.24930822	-	-	6.07886880	83.85	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	8.01477446	0.820
Na 589.592	Na-R	n	0.00000000	0.00000000	mg/L	-3.00486859	-	-	7.77581044	> 100.00	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	-11.82276314	2.860
Ni 231.604	Ni	n	0.00000000	0.00000000	mg/L	-1.99956646	-	-	2.48310000	> 100.00	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-0.58756838	-4.86
P 177.434	P	n	0.00000000	0.00000000	mg/L	1.64812355	-	-	0.32876914	19.95	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	2.01313474	1.550
Pb 220.353	Pb	n	0.00000000	0.00000000	mg/L	2.44222609	-	-	12.51958495	> 100.00	Y (371.029 nm)	Linear	0.00000	Off-Peak Right	0.00000000	0.00000000	0.00000000	2.11630135	-9.91
S 181.972	S	n	0.00000000	0.00000000	mg/L	146.85028257	-	-	1.17865546	0.80	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	148.20813572	146.0
Sb 206.834	Sb	n	0.00000000	0.00000000	mg/L	-18.90553718	-	-	2.73931931	14.49	Y (371.029 nm)	Linear	0.00000	Off-Peak Right	0.00000000	0.00000000	0.00000000	-20.94970441	-19.9
Se 196.026	Se	n	0.00000000	0.00000000	mg/L	20.64954204	-	-	5.13946642	24.89	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	19.20857170	16.30
Si 251.611	Si	n	0.00000000	0.00000000	mg/L	22.60204309	-	-	1.10240618	4.88	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	23.85336177	21.70
Sn 189.925	Sn	n	0.00000000	0.00000000	mg/L	13.49635529	-	-	3.52636320	26.13	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	12.81305104	17.30
Sr 421.552	Sr-R	n	0.00000000	0.00000000	mg/L	38.25654629	-	-	2.36821559	6.19	Y-R (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	38.90101261	35.60
Ti 334.941	Ti	n	0.00000000	0.00000000	mg/L	62.04432094	-	-	15.49707890	24.98	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	46.39536010	77.30
Tl 190.794	Tl	n	0.00000000	0.00000000	mg/L	1.00122862	-	-	1.34609403	> 100.00	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	2.26961389	-0.41
V 292.401	V	n	0.00000000	0.00000000	mg/L	-16.13179815	-	-	3.52141236	21.83	Y (371.029 nm)	Linear	0.00000	Off-Peak Left+Right	0.00000000	0.00000000	0.00000000	-19.25995218	-16.8
Zn 206.200	Zn	n	0.00000000	0.00000000	mg/L	13.38976015	-	-	5.31265411	39.68	Y (371.029 nm)	Linear	0.00000	Fitted	0.00000000	0.00000000	0.00000000	17.52734011	7.390
Y 371.029	Y	1.00	1.00	Ratio	Ratio	124915.95	0.00	0.00	1413.03	1.13	-	-	0.00000	Fitted	1.00	1.00	1.00	123385.10	1251
Y 371.029	Y-R	1.00	1.00	Ratio	Ratio	21871.17	0.00	0.00	160.79	0.74	-	-	0.00000	Fitted	1.00	1.00	1.00	22054.23	2180

Label: ICAL.L1,S21190

Rack/Tube: S1:2

Type: STD

Date Time: 8/1/2024 10:39:44 AM

%RSE:

Weight: -

Volume: -

Dilution: -

Correlation coefficient: -

%RSE limit: -

Calibration Coefficient [1]: -

Calibration Coefficient [2]: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.: -

Sample Date Time:

Sample Site:

Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Background correction	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2
Ag 328.068	Ag	n			mg/L	20.78370033	-	-	6.14350134	29.56	Y (371.029 nm)	Linear	Fitted				21.03420373	26.79811838
Al 396.152	Al	n	0.00666667	0.00666667	mg/L	387.45078978	-	-	33.19612260	8.57	Y (371.029 nm)	Linear	Fitted	0.00666667	0.00666667	0.00666667	414.15568323	350.28408147
As 188.980	As	n	0.00333333	0.00333333	mg/L	21.61815778	-	-	5.44343882	25.18	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	21.61828539	27.06153279
B 249.678	B	n	0.00333333	0.00333333	mg/L	173.31654451	-	-	11.69805459	6.75	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	181.23978808	159.88068715
Ba 230.424	Ba	n	0.00333333	0.00333333	mg/L	529.40050316	-	-	8.02358704	1.52	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	531.20153661	536.37051106
Be 313.107	Be	n	0.00100000	0.00100000	mg/L	1100.37080478	-	-	18.51393819	1.68	Y (371.029 nm)	Linear	Fitted	0.00100000	0.00100000	0.00100000	1121.72908171	1090.48785219
Ca 317.933	Ca-R	n	0.03333333	0.03333333	mg/L	934.67730965	-	-	8.87343282	0.95	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	927.66257185	931.71684274
Cd 214.439	Cd	n	0.00166667	0.00166667	mg/L	316.23073777	-	-	15.99279888	5.06	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	309.21758939	334.53195385
Co 230.786	Co	n	0.00166667	0.00166667	mg/L	138.94067868	-	-	11.74891985	8.46	Y (371.029 nm)	Linear	Fitted	0.00166667	0.00166667	0.00166667	146.18135230	145.25596473
Cr 267.716	Cr	n	0.00333333	0.00333333	mg/L	120.40095776	-	-	0.91028280	0.76	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	119.46153858	121.27899747
Cu 324.754	Cu	n	0.00333333	0.00333333	mg/L	1094.93343893	-	-	11.50582692	1.05	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	1082.02509164	1098.66456633
Fe 259.940	Fe	n	0.00666667	0.00666667	mg/L	268.64546565	-	-	1.99557717	0.74	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00666667	0.00666667	0.00666667	269.87896879	266.34313383
K 766.491	K-R	n	0.06666667	0.06666667	mg/L	-6.46408691	-	-	46.01551886	> 100.00	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	-56.36945896	34.28474917
Li 670.783	Li-R	n	Error	Error	mg/L	31998.28066195	-	-	83.63238144	N/A	Y-R (371.029 nm)	Linear	FACT	Error	Error	Error	31919.66148117	32086.1561203
Mg 279.800	Mg-R	n	0.03333333	0.03333333	mg/L	8.07680062	-	-	4.76833892	59.04	Y-R (371.029 nm)	Linear	Fitted	0.03333333	0.03333333	0.03333333	11.48821626	2.62826785
Mn 257.610	Mn	n	0.00333333	0.00333333	mg/L	1222.42911310	-	-	8.85151080	0.72	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	1215.22351755	1232.30955279
Mo 204.598	Mo	n	0.00333333	0.00333333	mg/L	46.65083846	-	-	4.26554380	9.14	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	46.15635296	51.14207425
Na 589.592	Na-R	n	0.06666667	0.06666667	mg/L	164.84344319	-	-	17.19026318	10.43	Y-R (371.029 nm)	Linear	Fitted	0.06666667	0.06666667	0.06666667	155.44168780	154.40462490
Ni 231.604	Ni	n	0.00333333	0.00333333	mg/L	62.31383152	-	-	6.43756649	10.33	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00333333	0.00333333	0.00333333	58.57774337	58.61649185
P 177.434	P	n			mg/L	2.52594018	-	-	0.81731244	32.36	Y (371.029 nm)	Linear	Fitted				3.46813767	2.00796354
Pb 220.353	Pb	n	0.00333333	0.00333333	mg/L	40.38421574	-	-	2.28065472	5.65	Y (371.029 nm)	Linear	Off-Peak Right	0.00333333	0.00333333	0.00333333	42.08628721	41.27346748
S 181.972	S	n			mg/L	148.00072344	-	-	3.77783995	2.55	Y (371.029 nm)	Linear	Fitted				151.62161619	144.08340107
Sb 206.834	Sb	n	0.01000010	0.01000010	mg/L	12.04379516	-	-	5.31689455	44.15	Y (371.029 nm)	Linear	Off-Peak Right	0.01000010	0.01000010	0.01000010	18.11196562	8.20202919
Se 196.026	Se	n	0.01000001	0.01000001	mg/L	61.06931383	-	-	2.60874171	4.27	Y (371.029 nm)	Linear	Fitted	0.01000001	0.01000001	0.01000001	60.79549935	58.60827910
Si 251.611	Si	n			mg/L	30.54308642	-	-	4.37157140	14.31	Y (371.029 nm)	Linear	Fitted				35.54546928	27.45643720
Sn 189.925	Sn	n	0.00333333	0.00333333	mg/L	55.09175039	-	-	5.14089197	9.33	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	50.29392212	60.51794105
Sr 421.552	Sr-R	n	0.01666667	0.01666667	mg/L	2823.08943736	-	-	6.67035778	0.24	Y-R (371.029 nm)	Linear	Fitted	0.01666667	0.01666667	0.01666667	2815.74361511	2824.75664550
Ti 334.941	Ti	n	0.00333333	0.00333333	mg/L	709.27334856	-	-	11.40973091	1.61	Y (371.029 nm)	Linear	Fitted	0.00333333	0.00333333	0.00333333	703.95576620	701.49305703
Tl 190.794	Tl	n	0.01000010	0.01000010	mg/L	23.56942648	-	-	5.88621011	24.97	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	24.93827212	17.11940172
V 292.401	V	n	0.00166667	0.00166667	mg/L	24.87903124	-	-	7.26598062	29.21	Y (371.029 nm)	Linear	Off-Peak Left+Right	0.00166667	0.00166667	0.00166667	31.89646404	17.38770238
Zn 206.200	Zn	n	0.01000010	0.01000010	mg/L	387.39495481	-	-	7.70529596	1.99	Y (371.029 nm)	Linear	Fitted	0.01000010	0.01000010	0.01000010	380.19843003	386.46231121
Y 371.029	Y		1.01	1.01	Ratio	126693.88	0.01	0.83	1053.01	0.83	-	-	Fitted	1.00	1.02	1.02	125522.85	126995.97
Y 371.029	Y-R		1.00	1.00	Ratio	21884.28	0.00	0.25	54.35	0.25	-	-	Fitted	1.00	1.00	1.00	21933.06	21825.69

Label: ICAL,L2,S21189	Rack/Tube: S1:3	Type: STD
Date Time: 8/1/2024 10:42:52 AM	%RSE: _____	Weight: -
Volume: -	Dilution: -	%RSE limit: -
Calibration Coefficient [3]: -	LIMS ID: _____	Customer: _____
Customer Ref.: _____	Sample Date Time: _____	Sample Site: _____
Description: _____	Replicates: 3	

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag	n			mg/L	30.43162746	-	-	13.50173181	44.37	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.02000000	0.02000000	mg/L	856.72929691	-	-	19.22863793	2.24	Y (371.029 nm)	Linear	1.00000	Fitted	196.191852059422	28688.8435270665	0.02000000	0.02000000
As 188.980	As	n	0.01000000	0.01000000	mg/L	49.47915753	-	-	3.93285185	7.95	Y (371.029 nm)	Linear	1.00000	Fitted	2.23265246044063	5815.65217608588	0.01000000	0.01000000
B 249.678	B	n	0.01000000	0.01000000	mg/L	394.76462414	-	-	14.40219362	3.65	Y (371.029 nm)	Linear	1.00000	Fitted	51.1988389641413	36635.3153278021	0.01000000	0.01000000
Ba 230.424	Ba	n	0.01000000	0.01000000	mg/L	1360.71919955	-	-	21.34876770	1.57	Y (371.029 nm)	Linear	1.00000	Fitted	52.8028772031357	142979.302084779	0.01000000	0.01000000
Be 313.107	Be	n	0.00300000	0.00300000	mg/L	3308.39573984	-	-	22.87702546	0.69	Y (371.029 nm)	Linear	1.00000	Fitted	15.6331275444809	1084737.67723247	0.00300000	0.00300000
Ca 317.933	Ca-R	n	0.10000000	0.10000000	mg/L	1331.98637800	-	-	10.66696313	0.80	Y-R (371.029 nm)	Linear	1.00000	Fitted	737.40226135019	5918.2515082891	0.10000000	0.10000000
Cd 214.439	Cd	n	0.00500000	0.00500000	mg/L	899.00537067	-	-	12.23665734	1.36	Y (371.029 nm)	Linear	1.00000	Fitted	19.6570087521151	177944.201822075	0.00500000	0.00500000
Co 230.786	Co	n	0.00500000	0.00500000	mg/L	277.08314689	-	-	3.70624570	1.34	Y (371.029 nm)	Linear	1.00000	Fitted	61.6213193084674	46391.6063436578	0.00500000	0.00500000
Cr 267.716	Cr	n	0.01000000	0.01000000	mg/L	419.14653583	-	-	11.66545287	2.78	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-31.7526496564022	45646.0867901067	0.01000000	0.01000000
Cu 324.754	Cu	n	0.01000000	0.01000000	mg/L	1301.30814861	-	-	18.63649929	1.43	Y (371.029 nm)	Linear	1.00000	Fitted	970.196471197728	37421.0940614482	0.01000000	0.01000000
Fe 259.940	Fe	n	0.02000000	0.02000000	mg/L	672.47093066	-	-	1.80561448	0.27	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	3.29346529723762	39802.8040325324	0.02000000	0.02000000
K 766.491	K-R	n	0.20000000	0.20000000	mg/L	30.76975415	-	-	31.98476642	> 100.00	Y-R (371.029 nm)	Linear	-	Fitted	-	-	0.20000000	0.20000000
Li 670.783	Li-R	n	Error	Error	mg/L	31878.32138466	-	-	57.61538766	N/A	Y-R (371.029 nm)	Linear	1.00000	FACT	31993.7983607701	1344.69048705697	Error	Error
Mg 279.800	Mg-R	n	0.10000000	0.10000000	mg/L	36.36115168	-	-	7.10751176	19.55	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.08448788839305	209.769402847291	0.10000000	0.10000000
Mn 257.610	Mn	n	0.01000000	0.01000000	mg/L	3555.74624558	-	-	12.62871553	0.36	Y (371.029 nm)	Linear	1.00000	Fitted	58.5043391675581	349177.467096078	0.01000000	0.01000000
Mo 204.598	Mo	n	0.01000000	0.01000000	mg/L	130.80308560	-	-	3.30681548	2.53	Y (371.029 nm)	Linear	1.00000	Fitted	7.24930821840988	11820.4602541007	0.01000000	0.01000000
Na 589.592	Na-R	n	0.20000000	0.20000000	mg/L	647.05577105	-	-	32.32519853	5.00	Y-R (371.029 nm)	Linear	1.00000	Fitted	-3.00486858610626	2517.72455081473	0.20000000	0.20000000
Ni 231.604	Ni	n	0.01000000	0.01000000	mg/L	178.20950583	-	-	8.04084188	4.51	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-1.99956645768513	19294.0213237626	0.01000000	0.01000000
P 177.434	P	n			mg/L	1.55581438	-	-	0.54727961	35.18	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.01000000	0.01000000	mg/L	104.46392113	-	-	1.77751628	1.70	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	2.44222608959603	11382.5980335889	0.01000000	0.01000000
S 181.972	S	n			mg/L	149.59877375	-	-	1.92969626	1.29	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.03000030	0.03000030	mg/L	82.18551905	-	-	6.40296845	7.79	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-18.9055371774927	3094.9022848571	0.03000030	0.03000030
Se 196.026	Se	n	0.03000003	0.03000003	mg/L	117.68074766	-	-	4.47314581	3.80	Y (371.029 nm)	Linear	1.00000	Fitted	20.6495420363945	4041.97313780024	0.03000003	0.03000003
Si 251.611	Si	n			mg/L	24.64314062	-	-	2.42602231	9.84	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.01000000	0.01000000	mg/L	113.34098530	-	-	4.41461752	3.89	Y (371.029 nm)	Linear	1.00000	Fitted	13.4963552932887	12478.6197763609	0.01000000	0.01000000
Sr 421.552	Sr-R	n	0.05000000	0.05000000	mg/L	8408.61925823	-	-	21.28851638	0.25	Y-R (371.029 nm)	Linear	1.00000	Fitted	38.2565462942237	167089.970122134	0.05000000	0.05000000
Ti 334.941	Ti	n	0.01000000	0.01000000	mg/L	1989.83672060	-	-	17.48778575	0.88	Y (371.029 nm)	Linear	1.00000	Fitted	62.0443209366053	194168.727704224	0.01000000	0.01000000
Tl 190.794	Tl	n	0.03000030	0.03000030	mg/L	86.57294824	-	-	9.25858214	10.69	Y (371.029 nm)	Linear	1.00000	Fitted	1.00122862185822	2256.79721784897	0.03000030	0.03000030
V 292.401	V	n	0.00500000	0.00500000	mg/L	109.66966763	-	-	11.21211328	10.22	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-16.1317981530322	24606.4927140393	0.00500000	0.00500000
Zn 206.200	Zn	n	0.03000030	0.03000030	mg/L	897.66866601	-	-	6.31125146	0.70	Y (371.029 nm)	Linear	1.00000	Fitted	13.3897601531394	37400.145464417	0.03000030	0.03000030
Y 371.029	Y		1.01	1.01	Ratio	126587.01	0.01	0.76	958.37	0.76	-	-	-	Fitted	-	-	1.01	1.01
Y 371.029	Y-R		1.01	1.01	Ratio	22038.90	0.00	0.17	37.46	0.17	-	-	-	Fitted	-	-	1.01	1.01

Label:	ICAL,L3,S21188	Rack/Tube:	S1:4	Type:	STD
Date Time:	8/1/2024 10:45:59 AM	%RSE:		Weight:	-
Volume:	-	Dilution:	-	%RSE limit:	-
Calibration Coefficient [3]:	-	LIMS ID:		Customer:	
Customer Ref.:		Sample Date Time:		Sample Site:	
Description:		Replicates:	3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1	Concentration Replicate 2
Ag 328.068	Ag	n			mg/L	28.55878552	-	-	8.19488627	28.69	Y (371.029 nm)	Linear	-	Fitted	-	-		
Al 396.152	Al	n	0.20000000	0.20000000	mg/L	6465.57005308	-	-	44.54126104	0.69	Y (371.029 nm)	Linear	0.99884	Fitted	187.75809264936	33322.9608022419	0.20000000	0.20000000
As 188.980	As	n	0.10000000	0.10000000	mg/L	442.28375063	-	-	14.60262853	3.30	Y (371.029 nm)	Linear	0.99622	Fitted	2.59003260915991	4744.80305402581	0.10000000	0.10000000
B 249.678	B	n	0.10000000	0.10000000	mg/L	3353.43225079	-	-	20.23299905	0.60	Y (371.029 nm)	Linear	0.99969	Fitted	51.2445260831061	34679.1534827847	0.10000000	0.10000000
Ba 230.424	Ba	n	0.10000000	0.10000000	mg/L	12815.22373086	-	-	5.09699144	0.04	Y (371.029 nm)	Linear	0.99939	Fitted	84.0355375155116	130284.156088965	0.10000000	0.10000000
Be 313.107	Be	n	0.03000000	0.03000000	mg/L	34072.03871874	-	-	30.50818986	0.09	Y (371.029 nm)	Linear	0.99999	Fitted	14.8066447136185	1096079.143706	0.03000000	0.03000000
Ca 317.933	Ca-R	n	1.00000000	1.00000000	mg/L	6758.39040112	-	-	14.87979216	0.22	Y-R (371.029 nm)	Linear	1.00000	Fitted	736.874970666134	5948.75602252792	1.00000000	1.00000000
Cd 214.439	Cd	n	0.05000000	0.05000000	mg/L	8973.16841853	-	-	8.49091478	0.09	Y (371.029 nm)	Linear	0.99999	Fitted	20.0388185199922	175910.685146047	0.05000000	0.05000000
Co 230.786	Co	n	0.05000000	0.05000000	mg/L	2376.63793869	-	-	10.64226433	0.45	Y (371.029 nm)	Linear	0.99959	Fitted	62.1601061406197	43018.3314790062	0.05000000	0.05000000
Cr 267.716	Cr	n	0.10000000	0.10000000	mg/L	4549.94923665	-	-	14.16655157	0.31	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-31.4304170789948	45523.8699584864	0.10000000	0.10000000
Cu 324.754	Cu	n	0.10000000	0.10000000	mg/L	4563.52409316	-	-	7.33805399	0.16	Y (371.029 nm)	Linear	0.99881	Fitted	983.721581849784	32120.9016107108	0.10000000	0.10000000
Fe 259.940	Fe	n	0.20000000	0.20000000	mg/L	6750.93950148	-	-	7.53780018	0.11	Y (371.029 nm)	Linear	0.99747	Off-Peak Left+Right	55.2125632303837	30958.9733785305	0.20000000	0.20000000
K 766.491	K-R	n	2.00000000	2.00000000	mg/L	731.42469279	-	-	31.11353230	4.25	Y-R (371.029 nm)	Linear	0.88249	Fitted	-10.4487305965674	198.637602526977	2.00000000	2.00000000
Li 670.783	Li-R	n	Error	Error	mg/L	35036.87338604	-	-	184.13593629	N/A	Y-R (371.029 nm)	Linear	-	FACT	-	-	Error	Error
Mg 279.800	Mg-R	n	1.00000000	1.00000000	mg/L	402.87137005	-	-	4.16059499	1.03	Y-R (371.029 nm)	Linear	0.98948	Fitted	1.023879032961	325.300968682291	1.00000000	1.00000000
Mn 257.610	Mn	n	0.10000000	0.10000000	mg/L	35048.79811927	-	-	68.12800688	0.19	Y (371.029 nm)	Linear	1.00000	Fitted	57.595943916926	349747.696084593	0.10000000	0.10000000
Mo 204.598	Mo	n	0.10000000	0.10000000	mg/L	1262.04777924	-	-	4.59460956	0.36	Y (371.029 nm)	Linear	0.99987	Fitted	6.02346932421574	12459.8241148312	0.10000000	0.10000000
Na 589.592	Na-R	n	2.00000000	2.00000000	mg/L	8375.60434276	-	-	14.36324812	0.17	Y-R (371.029 nm)	Linear	0.99663	Fitted	-7.49452939302162	3078.77700042277	2.00000000	2.00000000
Ni 231.604	Ni	n	0.10000000	0.10000000	mg/L	1880.11546562	-	-	9.48422213	0.50	Y (371.029 nm)	Linear	0.99965	Off-Peak Left+Right	-1.65997002933469	18164.999922282	0.10000000	0.10000000
P 177.434	P	n			mg/L	1.24324391	-	-	0.31834342	25.61	Y (371.029 nm)	Linear	-	Fitted	-	-		
Pb 220.353	Pb	n	0.10000000	0.10000000	mg/L	1016.53576916	-	-	12.52440568	1.23	Y (371.029 nm)	Linear	0.99906	Off-Peak Right	7.90866383667088	9661.03534928153	0.10000000	0.10000000
S 181.972	S	n			mg/L	164.12099483	-	-	2.01520482	1.23	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sb 206.834	Sb	n	0.30000300	0.30000300	mg/L	995.55988707	-	-	1.38987959	0.14	Y (371.029 nm)	Linear	0.99955	Off-Peak Right	-19.2856703269387	3347.72469617851	0.30000300	0.30000300
Se 196.026	Se	n	0.30000030	0.30000030	mg/L	992.75617507	-	-	9.74164389	0.98	Y (371.029 nm)	Linear	0.99558	Fitted	27.4971794667037	3092.56874439133	0.30000030	0.30000030
Si 251.611	Si	n			mg/L	32.37112562	-	-	3.91542694	12.10	Y (371.029 nm)	Linear	-	Fitted	-	-		
Sn 189.925	Sn	n	0.10000000	0.10000000	mg/L	969.37808650	-	-	3.81711083	0.39	Y (371.029 nm)	Linear	0.99557	Fitted	15.5163206699176	9940.75371856993	0.10000000	0.10000000
Sr 421.552	Sr-R	n	0.50000000	0.50000000	mg/L	83225.70823908	-	-	477.31842530	0.57	Y-R (371.029 nm)	Linear	1.00000	Fitted	38.0534284208549	167247.183382068	0.50000000	0.50000000
Ti 334.941	Ti	n	0.10000000	0.10000000	mg/L	19507.63140260	-	-	13.33409280	0.07	Y (371.029 nm)	Linear	1.00000	Fitted	64.7816890130925	192679.793410139	0.10000000	0.10000000
Tl 190.794	Tl	n	0.30000300	0.30000300	mg/L	1047.20518235	-	-	77.05957865	7.36	Y (371.029 nm)	Linear	0.99710	Fitted	0.841273259040331	2731.57467207891	0.30000300	0.30000300
V 292.401	V	n	0.05000000	0.05000000	mg/L	1303.81419357	-	-	2.97179800	0.23	Y (371.029 nm)	Linear	0.99997	Off-Peak Left+Right	-16.237373956786	25074.3782711344	0.05000000	0.05000000
Zn 206.200	Zn	n	0.30000300	0.30000300	mg/L	8948.25729456	-	-	29.29714895	0.33	Y (371.029 nm)	Linear	0.99486	Fitted	32.9217355774053	29284.0173388949	0.30000300	0.30000300
Y 371.029	Y		1.01	1.01	Ratio	126466.53	0.01	0.84	1061.69	0.84	-	-	-	Fitted	-	-	1.00	1.01
Y 371.029	Y-R		1.00	1.00	Ratio	21923.20	0.00	0.45	98.37	0.45	-	-	-	Fitted	-	-	1.01	1.00

Label: ICAL,L4,S21187
Date Time: 8/1/2024 10:49:06 AM
Dilution: -
LIMS ID: -
Sample Date Time: -
Replicates: 3

Rack/Tube: S1:5
Weight: -
%RSE limit: -
Customer: -
Sample Site: -

Type: STD
Volume: -
Calibration Coefficient [3]: -
Customer Ref.: -
Description: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Con Rep
Ag 328.068	Ag	n			mg/L	13.59306147	-	-	1.71185686	12.59		Y (371.029 nm)	Linear	-	Fitted	-	-	
Al 396.152	Al	n	2.00000000	2.00000000	mg/L	67015.61790759	-	-	29.86590619	0.04	15.32823534	Y (371.029 nm)	Linear	0.99997	Fitted	209.907717038085	31323.5249736246	2.0
As 188.980	As	n	1.00000000	1.00000000	mg/L	4411.99365667	-	-	15.66536243	0.36	24.29979360	Y (371.029 nm)	Linear	0.99995	Fitted	3.34625426114001	4423.93663182449	1.0
B 249.678	B	n	1.00000000	1.00000000	mg/L	33732.01541801	-	-	80.47257270	0.24	11.32426552	Y (371.029 nm)	Linear	0.99999	Fitted	51.3992111252317	33057.2716277803	1.0
Ba 230.424	Ba	n	1.00000000	1.00000000	mg/L	126022.15265142	-	-	293.08335387	0.23	2.62187077	Y (371.029 nm)	Linear	0.99999	Fitted	94.4215025607373	127209.164754361	1.0
Be 313.107	Be	n	0.30000000	0.30000000	mg/L	346213.89398507	-	-	3124.09282478	0.90	4.51323971	Y (371.029 nm)	Linear	1.00000	Fitted	4.23437246776075	1134880.92173814	0.3
Ca 317.933	Ca-R	n	10.00000000	10.00000000	mg/L	61097.97545488	-	-	138.64263310	0.23	0.68417614	Y-R (371.029 nm)	Linear	1.00000	Fitted	733.65668587525	6023.96320011599	10.
Cd 214.439	Cd	n	0.50000000	0.50000000	mg/L	88670.58229251	-	-	340.97869775	0.38	1.51677314	Y (371.029 nm)	Linear	1.00000	Fitted	16.181909404786	179127.672176486	0.5
Co 230.786	Co	n	0.50000000	0.50000000	mg/L	23673.13178121	-	-	39.95066978	0.17	12.21919785	Y (371.029 nm)	Linear	0.99998	Fitted	52.5401581225927	46366.7208759129	0.5
Cr 267.716	Cr	n	1.00000000	1.00000000	mg/L	45752.82423253	-	-	44.23715786	0.10	1.46149289	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-32.2409945133888	45807.9108119747	1.0
Cu 324.754	Cu	n	1.00000000	1.00000000	mg/L	37589.84980609	-	-	97.35136235	0.26	9.79714229	Y (371.029 nm)	Linear	0.99996	Fitted	966.832791049093	35964.1259189551	1.0
Fe 259.940	Fe	n	2.00000000	2.00000000	mg/L	65931.48210728	-	-	115.71376463	0.18	11.05382113	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	21.2434766705064	33535.4021811179	2.0
K 766.491	K-R	n	20.00000000	20.00000000	mg/L	8946.68278932	-	-	16.43960728	0.18	17.13291869	Y-R (371.029 nm)	Linear	0.99867	Fitted	-33.7827552940245	382.05672752643	20.
Li 670.783	Li-R	n	Error	Error	mg/L	63634.91023961	-	-	282.00981815	N/A	157.62504951	Y-R (371.029 nm)	Linear	0.99267	FACT	31739.0366156126	31439.3543267772	Err
Mg 279.800	Mg-R	n	10.00000000	10.00000000	mg/L	4074.41064449	-	-	15.90123662	0.39	47.81205274	Y-R (371.029 nm)	Linear	0.99989	Fitted	0.89492280016869	401.657894219696	10.
Mn 257.610	Mn	n	1.00000000	1.00000000	mg/L	343467.97328634	-	-	473.23819218	0.14	0.08273748	Y (371.029 nm)	Linear	1.00000	Fitted	57.0832528009189	349891.040852419	1.0
Mo 204.598	Mo	n	1.00000000	1.00000000	mg/L	12927.15663263	-	-	20.22874238	0.16	1.45677917	Y (371.029 nm)	Linear	1.00000	Fitted	5.36927742296638	12566.1120190585	1.0
Na 589.592	Na-R	n	20.00000000	20.00000000	mg/L	84945.32114063	-	-	177.55084800	0.21	36.55120812	Y-R (371.029 nm)	Linear	0.99980	Fitted	-28.6574436974811	4199.50399390447	20.
Ni 231.604	Ni	n	1.00000000	1.00000000	mg/L	18710.02703069	-	-	33.17099674	0.18	5.10125710	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-2.36784655843127	18815.7079265434	1.0
P 177.434	P	n			mg/L	1.47727898	-	-	1.33432859	90.32		Y (371.029 nm)	Linear	-	Fitted	-	-	
Pb 220.353	Pb	n	1.00000000	1.00000000	mg/L	9946.58770019	-	-	24.34808704	0.24	5.81442751	Y (371.029 nm)	Linear	0.99999	Off-Peak Right	4.88795178303914	10076.5827937786	1.0
S 181.972	S	n			mg/L	172.44123699	-	-	2.25058831	1.31		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sb 206.834	Sb	n	3.00003000	3.00003000	mg/L	10140.82287740	-	-	27.38881054	0.27	6.84808709	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-19.4741052945219	3383.39768023887	3.0
Se 196.026	Se	n	3.00000300	3.00000300	mg/L	9905.44014007	-	-	19.49665378	0.20	10.41904362	Y (371.029 nm)	Linear	0.99997	Fitted	25.9319680372082	3219.64766935785	3.0
Si 251.611	Si	n			mg/L	89.03906445	-	-	3.07975638	3.46		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sn 189.925	Sn	n	1.00000000	1.00000000	mg/L	9473.37223626	-	-	13.25811672	0.14	19.99401587	Y (371.029 nm)	Linear	0.99996	Fitted	17.0009395024752	9525.74562587664	1.0
Sr 421.552	Sr-R	n	5.00000000	5.00000000	mg/L	843197.09983067	-	-	7954.16416820	0.94	0.49670295	Y-R (371.029 nm)	Linear	1.00000	Fitted	38.2394843170507	167165.721395936	5.0
Ti 334.941	Ti	n	1.00000000	1.00000000	mg/L	195828.94474281	-	-	989.94125900	0.51	0.81180114	Y (371.029 nm)	Linear	1.00000	Fitted	58.0338356768189	194489.701761654	1.0
Tl 190.794	Tl	n	3.00003000	3.00003000	mg/L	11791.37199270	-	-	380.30885799	3.23	29.85759191	Y (371.029 nm)	Linear	0.99987	Fitted	0.42710067177451	3143.17032309429	3.0
V 292.401	V	n	0.50000000	0.50000000	mg/L	13569.95000782	-	-	2.07534877	0.02	6.20452348	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-17.0763147686907	26416.828972984	0.5
Zn 206.200	Zn	n	3.00003000	3.00003000	mg/L	88845.55834661	-	-	265.75703635	0.30	21.07531715	Y (371.029 nm)	Linear	0.99996	Fitted	28.4406846626146	29680.0970730365	3.0
Y 371.029	Y		1.00	1.00	Ratio	124687.79	0.01	0.82	1021.70	0.82		-	-	-	Fitted	-	-	0.9
Y 371.029	Y-R		0.99	0.99	Ratio	21731.92	0.00	0.48	105.39	0.48		-	-	-	Fitted	-	-	1.0

Label: ICAL,L5,S21186	Rack:Tube: S1:6	Type: STD
Date Time: 8/1/2024 10:52:14 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3	Flags Replicate 1: -	Flags Replicate 2: -
Flags Replicate 3: -		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	61.88116728	-	-	32.66774704	52.79		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	10.00000000	10.00000000	mg/L	357827.78252638	-	-	681.81683405	0.19	6.32621189	Y (371.029 nm)	Linear	0.99998	Fitted	154.026529198549	33422.8374961373
As 188.980	As	n	5.00000000	5.00000000	mg/L	22164.99299290	-	-	59.82901119	0.27	17.22477715	Y (371.029 nm)	Linear	1.00000	Fitted	3.4048172690181	4408.77117998435
B 249.678	B	n	5.00000000	5.00000000	mg/L	169946.10982226	-	-	990.77546270	0.58	6.72443053	Y (371.029 nm)	Linear	1.00000	Fitted	51.176763231213	33594.3725609364
Ba 230.424	Ba	n	5.00000000	5.00000000	mg/L	616861.91046555	-	-	673.25743619	0.11	1.22337261	Y (371.029 nm)	Linear	1.00000	Fitted	100.780464220174	127108.554110026
Be 313.107	Be	n	1.50000000	1.50000000	mg/L	1722173.63985380	-	-	2011.67155016	0.12	3.40469653	Y (371.029 nm)	Linear	1.00000	Fitted	4.00434435819193	1135067.62463291
Ca 317.933	Ca-R	n	50.00000000	50.00000000	mg/L	298738.62554036	-	-	214.50587641	0.07	0.59564075	Y-R (371.029 nm)	Linear	1.00000	Fitted	732.470418106799	6031.33387298177
Cd 214.439	Cd	n	2.50000000	2.50000000	mg/L	428257.12406100	-	-	2116.46553360	0.49	1.32119115	Y (371.029 nm)	Linear	1.00000	Fitted	18.4978242743255	178975.810511203
Co 230.786	Co	n	2.50000000	2.50000000	mg/L	115392.11762043	-	-	395.01420204	0.34	11.34506893	Y (371.029 nm)	Linear	1.00000	Fitted	47.9775755736326	47153.937771985
Cr 267.716	Cr	n	5.00000000	5.00000000	mg/L	225793.25826699	-	-	140.83072360	0.06	1.01300980	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-32.1746713361059	45787.01810301
Cu 324.754	Cu	n	5.00000000	5.00000000	mg/L	193859.36996882	-	-	889.76212271	0.46	18.39025561	Y (371.029 nm)	Linear	1.00000	Fitted	942.213970999036	36372.8024220228
Fe 259.940	Fe	n	10.00000000	10.00000000	mg/L	323005.11603893	-	-	757.51199196	0.23	7.24799195	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	24.6935083600416	33348.0413494948
K 766.491	K-R	n	100.00000000	100.00000000	mg/L	47230.54182934	-	-	118.33271678	0.25	124.03419263	Y-R (371.029 nm)	Linear	0.99987	Fitted	-88.4304828128807	451.644116149778
Li 670.783	Li-R	n	5.00000000	5.00000000	mg/L	160957.93997226	-	-	288.55094230	0.18	111.90996284	Y-R (371.029 nm)	Linear	0.99993	FACT	31734.1876437598	31891.4606476144
Mg 279.800	Mg-R	n	50.00000000	50.00000000	mg/L	20004.00989718	-	-	16.74172357	0.08	33.68319206	Y-R (371.029 nm)	Linear	1.00000	Fitted	0.752864901568014	406.654770313375
Mn 257.610	Mn	n	5.00000000	5.00000000	mg/L	1658862.90875645	-	-	5493.08167737	0.33	1.11918578	Y (371.029 nm)	Linear	1.00000	Fitted	75.5862013075316	345646.119432288
Mo 204.598	Mo	n	5.00000000	5.00000000	mg/L	64233.53098959	-	-	424.16978089	0.66	10.71601895	Y (371.029 nm)	Linear	1.00000	Fitted	-2.58055658285639	12885.5277027533
Na 589.592	Na-R	n	100.00000000	100.00000000	mg/L	424365.89991219	-	-	47.44675054	0.01	24.17560496	Y-R (371.029 nm)	Linear	1.00000	Fitted	-36.6679230770974	4221.61030652617
Ni 231.604	Ni	n	5.00000000	5.00000000	mg/L	90451.74023863	-	-	326.47814760	0.36	3.36972119	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-1.82493146707162	18722.6201948685
P 177.434	P	n			mg/L	-1.88465700	-	-	0.09901364	5.25		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	5.00000000	5.00000000	mg/L	48093.41613844	-	-	124.77730326	0.26	2.96636634	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	5.99150563845147	9945.28147027253
S 181.972	S	n			mg/L	210.11786159	-	-	3.59116552	1.71		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	15.00015000	15.00015000	mg/L	50329.03240982	-	-	105.62907052	0.21	4.15056978	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-19.8259962715795	3385.04303006182
Se 196.026	Se	n	15.00000000	15.00000000	mg/L	47785.96801503	-	-	104.16369804	0.22	9.34742663	Y (371.029 nm)	Linear	1.00000	Fitted	24.2294518390416	3291.13096697904
Si 251.611	Si	n			mg/L	362.46169698	-	-	20.81815639	5.74		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	5.00000000	5.00000000	mg/L	46024.88303887	-	-	79.15415339	0.17	10.35138230	Y (371.029 nm)	Linear	1.00000	Fitted	18.9456325204786	9459.87318152288
Sr 421.552	Sr-R	n	25.00000000	25.00000000	mg/L	4122584.89818726	-	-	13201.20288649	0.32	0.70331251	Y-R (371.029 nm)	Linear	1.00000	Fitted	38.1250400391121	167213.643103613
Ti 334.941	Ti	n	5.00000000	5.00000000	mg/L	974126.75433837	-	-	6200.44068807	0.64	0.76141186	Y (371.029 nm)	Linear	1.00000	Fitted	57.1229982950772	194522.188219416
Tl 190.794	Tl	n	15.00015000	15.00015000	mg/L	59450.29455039	-	-	415.19158339	0.70	30.00586452	Y (371.029 nm)	Linear	0.99995	Fitted	-0.197590033091892	3687.65780363004
V 292.401	V	n	2.50000000	2.50000000	mg/L	67919.13452088	-	-	23.52164034	0.03	25.86103984	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-36.6868742475162	27211.3324870402
Zn 206.200	Zn	n	15.00015000	15.00015000	mg/L	418851.21612326	-	-	1925.10672404	0.46	14.86423850	Y (371.029 nm)	Linear	1.00000	Fitted	29.0748844487105	29639.7545363517
Y 371.029	Y		0.97	0.97	Ratio	121463.20	0.01	1.30	1583.93	1.30		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.98	0.98	Ratio	21399.66	0.00	0.22	48.09	0.22		-	-	-	Fitted	-	-

Label: ICAL,L6,S21166	Rack:Tube: S1:7	Type: STD
Date Time: 8/1/2024 10:55:21 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3	Flags Replicate 1: -	Flags Replicate 2: -
Flags Replicate 3: -		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	86.86439370	-	-	19.33652574	22.26		Y (371.029 nm)	Linear	-	Fitted	-	-
Al 396.152	Al	n	20.00000000	20.00000000	mg/L	740854.86212152	-	-	1642.99880023	0.22	14.37290572	Y (371.029 nm)	Linear	0.99991	Fitted	116.810561383625	33548.7843996662
As 188.980	As	n	10.00000000	10.00000000	mg/L	44091.47620474	-	-	83.19709619	0.19	14.68103028	Y (371.029 nm)	Linear	1.00000	Fitted	3.18803137409125	4423.70033131807
B 249.678	B	n	10.00000000	10.00000000	mg/L	346734.53445558	-	-	591.47405245	0.17	5.44524984	Y (371.029 nm)	Linear	1.00000	Fitted	51.1471975627049	33642.2511927187
Ba 230.424	Ba	n	10.00000000	10.00000000	mg/L	1219036.10822491	-	-	3938.63022353	0.32	9.04442609	Y (371.029 nm)	Linear	0.99999	Fitted	170.128137326486	126045.104610575
Be 313.107	Be	n	3.00000000	3.00000000	mg/L	3385036.36356202	-	-	3636.49146988	0.11	2.76763553	Y (371.029 nm)	Linear	1.00000	Fitted	-2.35989030371525	1139909.44459232
Ca 317.933	Ca-R	n	100.00000000	100.00000000	mg/L	589297.06598869	-	-	2349.60996110	0.40	2.58209294	Y-R (371.029 nm)	Linear	1.00000	Fitted	743.669091359487	5969.72818463435
Cd 214.439	Cd	n	5.00000000	5.00000000	mg/L	821839.12706353	-	-	2344.10483161	0.29	2.96234790	Y (371.029 nm)	Linear	0.99998	Fitted	25.0473969034547	178570.814308693
Co 230.786	Co	n	5.00000000	5.00000000	mg/L	227981.11552261	-	-	241.41803997	0.11	8.51969131	Y (371.029 nm)	Linear	0.99999	Fitted	49.490512508492	46961.5480117762
Cr 267.716	Cr	n	10.00000000	10.00000000	mg/L	447638.14924027	-	-	647.96849136	0.14	0.95562773	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-30.6701267616932	45355.5190345037
Cu 324.754	Cu	n	10.00000000	10.00000000	mg/L	393952.79967613	-	-	2305.22309114	0.59	25.63870400	Y (371.029 nm)	Linear	0.99995	Fitted	918.70185678285	36735.9824486016
Fe 259.940	Fe	n	20.00000000	20.00000000	mg/L	631325.89252883	-	-	214.55793026	0.03	5.64721581	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	27.8827564589292	33180.4833352256
K 766.491	K-R	n	200.00000000	200.00000000	mg/L	96238.70924747	-	-	134.49715566	0.14	347.17201652	Y-R (371.029 nm)	Linear	0.99995	Fitted	-215.928297801836	463.482338760465
Li 670.783	Li-R	n	10.00000000	10.00000000	mg/L	327245.65244114	-	-	846.77307158	0.26	20.07220767	Y-R (371.029 nm)	Linear	1.00000	FACT	-25.2386920890549	32251.2764934555
Mg 279.800	Mg-R	n	100.00000000	100.00000000	mg/L	40201.61093653	-	-	119.62185837	0.30	28.17873529	Y-R (371.029 nm)	Linear	0.99999	Fitted	1.04705821678511	400.375214760101
Mn 257.610	Mn	n	10.00000000	10.00000000	mg/L	3258965.75129743	-	-	602.59122250	0.02	2.36766427	Y (371.029 nm)	Linear	0.99998	Fitted	82.4581346760604	344135.814074414
Mo 204.598	Mo	n	10.00000000	10.00000000	mg/L	129094.12441431	-	-	58.68388049	0.05	8.66904101	Y (371.029 nm)	Linear	1.00000	Fitted	-2.51404786858336	12883.6116425225
Na 589.592	Na-R	n			mg/L	846568.84568493	-	-	1529.39360518	0.18	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	10.00000000	10.00000000	mg/L	177844.63489833	-	-	236.39918005	0.13	2.96443223	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-0.670388744447962	18602.534953277
P 177.434	P	n			mg/L	-1.34527510	-	-	0.44090187	32.77		Y (371.029 nm)	Linear	-	Fitted	-	-
Pb 220.353	Pb	n	10.00000000	10.00000000	mg/L	94505.18601255	-	-	289.23808021	0.31	2.32892403	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	7.74570927625746	9786.68187918784
S 181.972	S	n			mg/L	258.76624527	-	-	3.16514745	1.22		Y (371.029 nm)	Linear	-	Fitted	-	-
Sb 206.834	Sb	n	30.00030000	30.00030000	mg/L	100503.25585747	-	-	297.88877531	0.30	8.39925124	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-16.8240949055109	3371.58847735925
Se 196.026	Se	n	30.00000000	30.00000000	mg/L	94519.39458170	-	-	270.88206030	0.29	5.27493567	Y (371.029 nm)	Linear	0.99998	Fitted	26.7197961433399	3241.42923964175
Si 251.611	Si	n			mg/L	676.31565468	-	-	33.17679135	4.91		Y (371.029 nm)	Linear	-	Fitted	-	-
Sn 189.925	Sn	n	10.00000000	10.00000000	mg/L	90528.88231290	-	-	58.17656256	0.06	3.05055082	Y (371.029 nm)	Linear	0.99998	Fitted	24.2121683696282	9353.24196110004
Sr 421.552	Sr-R	n	50.00000000	50.00000000	mg/L	8167981.14716391	-	-	15355.71061470	0.19	0.95926260	Y-R (371.029 nm)	Linear	0.99999	Fitted	39.3936488832898	166684.544691115
Ti 334.941	Ti	n	10.00000000	10.00000000	mg/L	1944589.00438285	-	-	18300.01620924	0.94	0.63104748	Y (371.029 nm)	Linear	1.00000	Fitted	56.9823340513103	194526.940538462
Tl 190.794	Tl	n	30.00030000	30.00030000	mg/L	117065.50769606	-	-	321.16505667	0.27	27.99494215	Y (371.029 nm)	Linear	1.00000	Fitted	-0.503942613357509	3945.57744896222
V 292.401	V	n	5.00000000	5.00000000	mg/L	136403.32948552	-	-	56.86703986	0.04	18.41020370	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-34.6314810062959	27202.8968642756
Zn 206.200	Zn	n	30.00030000	30.00030000	mg/L	800011.58003319	-	-	1541.69518789	0.19	12.14689639	Y (371.029 nm)	Linear	0.99993	Fitted	34.9084504846522	29286.6778315275
Y 371.029	Y		0.97	0.97	Ratio	120613.95	0.01	0.63	763.45	0.63		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.97	0.97	Ratio	21134.60	0.01	0.68	143.41	0.68		-	-	-	Fitted	-	-

Label: ICAL.L7,S20782	Rack/Tube: S1:8	Type: STD
Date Time: 8/1/2024 10:58:28 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3	Flags Replicate 1: -	Flags Replicate 2: -
Flags Replicate 3: -		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Conc Replicates
Ag 328.068	Ag	n	2.00000000	2.00000000	mg/L	79832.61394075	-	-	317.39118508	0.40		Y (371.029 nm)	Linear	-	Fitted	-	-	2.00
Al 396.152	Al	n			mg/L	270.59673451	-	-	44.21506694	16.34	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403	
As 188.980	As	n			mg/L	14.17922972	-	-	4.72164821	33.30	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538	
B 249.678	B	n			mg/L	246.01425126	-	-	19.41461783	7.89	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462	
Ba 230.424	Ba	n			mg/L	191.59015345	-	-	13.65461163	7.13	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847	
Be 313.107	Be	n			mg/L	255.12605499	-	-	7.01654307	2.75	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673	
Ca 317.933	Ca-R	n			mg/L	808.57902336	-	-	5.99756597	0.74	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838	
Cd 214.439	Cd	n			mg/L	90.29805780	-	-	4.53102786	5.02	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064	
Co 230.786	Co	n			mg/L	64.35089371	-	-	9.79149400	15.22	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121	
Cr 267.716	Cr	n			mg/L	11.00368591	-	-	14.53931394	> 100.00	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313	
Cu 324.754	Cu	n			mg/L	1011.26051955	-	-	8.44754356	0.84	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791	
Fe 259.940	Fe	n			mg/L	175.41082324	-	-	30.44125478	17.35	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323	
K 766.491	K-R	n			mg/L	36.02992015	-	-	53.08637728	> 100.00	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579	
Li 670.783	Li-R	n			mg/L	-89.67358595	-	-	37.62041513	41.95	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486	
Mg 279.800	Mg-R	n			mg/L	3.47202267	-	-	2.56348584	73.83	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671	
Mn 257.610	Mn	n			mg/L	389.48810443	-	-	4.24504000	1.09	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535	
Mo 204.598	Mo	n			mg/L	90.08198848	-	-	35.36065332	39.25	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999	
Na 589.592	Na-R	n			mg/L	19.07333582	-	-	13.62999501	71.46	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309	
Ni 231.604	Ni	n			mg/L	17.31558857	-	-	5.99572874	34.63	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395	
P 177.434	P	n			mg/L	1.95603886	-	-	0.63738646	32.59		Y (371.029 nm)	Linear	-	Fitted	-	-	
Pb 220.353	Pb	n			mg/L	19.57341011	-	-	10.09258001	51.56	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715	
S 181.972	S	n			mg/L	154.34134763	-	-	0.59261223	0.38		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sb 206.834	Sb	n			mg/L	9.69270615	-	-	5.58318658	57.60	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838	
Se 196.026	Se	n			mg/L	45.63622294	-	-	2.39297908	5.24	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721	
Si 251.611	Si	n			mg/L	27.87516890	-	-	1.51085957	5.42		Y (371.029 nm)	Linear	-	Fitted	-	-	
Sn 189.925	Sn	n			mg/L	45.81738493	-	-	3.98673116	8.70	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723	
Sr 421.552	Sr-R	n			mg/L	656.16253581	-	-	15.34913882	2.34	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886	
Ti 334.941	Ti	n			mg/L	929.45697463	-	-	309.02508806	33.25	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306	
Tl 190.794	Tl	n			mg/L	39.14100827	-	-	4.06612797	10.39	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166	
V 292.401	V	n			mg/L	-9.64231623	-	-	9.50429703	98.57	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565	
Zn 206.200	Zn	n			mg/L	105.98471685	-	-	5.07827616	4.79	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134	
Y 371.029	Y		1.02	1.02	Ratio	126893.75	0.01	0.56	715.84	0.56		-	-	-	Fitted	-	-	1.00
Y 371.029	Y-R		1.00	1.00	Ratio	21951.27	0.01	0.53	115.97	0.53		-	-	-	Fitted	-	-	1.00

Label: ICAL,L8,S21161

Rack/Tube: S1:9

Type: STD

Date Time: 8/1/2024 11:01:35 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date
Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	C
Ag 328.068	Ag	n			mg/L	31.30545336	-	-	5.53434956	17.68		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926	
Al 396.152	Al	n			mg/L	242.41843484	-	-	25.80273803	10.64		Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403	
As 188.980	As	n			mg/L	7.02937681	-	-	6.63506931	94.39		Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538	
B 249.678	B	n			mg/L	206.07120930	-	-	2.91892593	1.42		Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462	
Ba 230.424	Ba	n			mg/L	69.21705096	-	-	12.17084754	17.58		Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847	
Be 313.107	Be	n			mg/L	19.04960084	-	-	6.13772953	32.22		Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673	
Ca 317.933	Ca-R	n			mg/L	743.87909732	-	-	3.47039343	0.47		Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838	
Cd 214.439	Cd	n			mg/L	29.55613957	-	-	9.67734058	32.74		Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064	
Co 230.786	Co	n			mg/L	47.31521914	-	-	5.90720002	12.48		Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121	
Cr 267.716	Cr	n			mg/L	-13.35480376	-	-	0.64455661	4.83		Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313	
Cu 324.754	Cu	n			mg/L	960.44707517	-	-	12.10545985	1.26		Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791	
Fe 259.940	Fe	n			mg/L	65.46819700	-	-	11.84576346	18.09		Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323	
K 766.491	K-R	n			mg/L	-10.79834005	-	-	42.40883938	> 100.00		Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579	
Li 670.783	Li-R	n			mg/L	-60.04365643	-	-	28.99903490	48.30		Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486	
Mg 279.800	Mg-R	n			mg/L	1.90440730	-	-	3.23998531	> 100.00		Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671	
Mn 257.610	Mn	n			mg/L	81.15156235	-	-	12.37711931	15.25		Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535	
Mo 204.598	Mo	n			mg/L	20.05764874	-	-	9.62974674	48.01		Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999	
Na 589.592	Na-R	n			mg/L	9.48423843	-	-	11.68674451	> 100.00		Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309	
Ni 231.604	Ni	n			mg/L	-0.29820484	-	-	2.87414255	> 100.00		Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395	
P 177.434	P	n	10.00000000	10.00000000	mg/L	835.21965837	-	-	6.44380548	0.77		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Pb 220.353	Pb	n			mg/L	10.83908765	-	-	11.09727252	> 100.00		Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715	
S 181.972	S	n	10.00000000	10.00000000	mg/L	11163.83061547	-	-	64.08631870	0.57		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Sb 206.834	Sb	n			mg/L	-12.08537113	-	-	4.61656523	38.20		Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838	
Se 196.026	Se	n			mg/L	22.99538720	-	-	1.53626869	6.68		Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721	
Si 251.611	Si	n	10.00000000	10.00000000	mg/L	32792.44233535	-	-	197.77459351	0.60		Y (371.029 nm)	Linear	-	Fitted	-	-	1
Sn 189.925	Sn	n			mg/L	32.38719231	-	-	1.16913891	3.61		Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723	
Sr 421.552	Sr-R	n			mg/L	36.20249528	-	-	2.31321274	6.39		Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886	
Ti 334.941	Ti	n			mg/L	793.82541642	-	-	241.83777035	30.46		Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306	
Tl 190.794	Tl	n			mg/L	4.17647501	-	-	0.90258517	21.61		Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166	
V 292.401	V	n			mg/L	-19.99506933	-	-	4.71020231	23.56		Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565	
Zn 206.200	Zn	n			mg/L	19.88879371	-	-	7.53580831	37.89		Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134	
Y 371.029	Y		1.03	1.03	Ratio	128701.24	0.01	0.72	924.34	0.72		-	-	-	Fitted	-	-	1
Y 371.029	Y-R		1.01	1.01	Ratio	22171.93	0.01	0.63	140.47	0.63		-	-	-	Fitted	-	-	1

Label: ICV,S21323

Rack/Tube: S1:12

Type: QC

Date Time: 8/1/2024 11:04:42 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.48739902	0.48739902	mg/L	19474.41156720	0.00064286	0.13189665	25.65368161	0.13		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363140192
Al 396.152	Al	n	1.08613361	1.08613361	mg/L	36888.11803001	0.00120840	0.11125718	40.69356221	0.11	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.587723879603	33675.529072140
As 188.980	As	n	1.04007968	1.04007968	mg/L	4595.55231978	0.00394441	0.37924148	17.41555546	0.38	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458460353
B 249.678	B	n	1.03650912	1.03650912	mg/L	35544.76440941	0.00252023	0.24314577	86.29346735	0.24	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340599946
Ba 230.424	Ba	n	1.00183580	1.00183580	mg/L	126326.86506832	0.00221367	0.22096143	278.72554547	0.22	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02194984
Be 313.107	Be	n	1.02813133	1.02813133	mg/L	1168262.94539472	0.00205232	0.19961676	2332.04496349	0.20	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	52.57087948	52.57087948	mg/L	314451.94908180	0.06020012	0.11451230	359.23598309	0.11	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627735283
Cd 214.439	Cd	n	1.01453630	1.01453630	mg/L	179106.49083485	0.00418751	0.41275098	739.00875203	0.41	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34187506
Co 230.786	Co	n	1.04139821	1.04139821	mg/L	48003.77361478	0.00396526	0.38076302	182.55686366	0.38	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	n	1.00221331	1.00221331	mg/L	45359.75649104	0.00118478	0.11821604	53.65531217	0.12	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270240531
Cu 324.754	Cu	n	1.04045809	1.04045809	mg/L	39378.31176386	0.00009138	0.00878232	3.37785913	0.01	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	1.06837973	1.06837973	mg/L	34017.83653865	0.00029363	0.02748343	9.32088105	0.03	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	61.16924465	61.16924465	mg/L	28747.38020896	0.14331477	0.23429220	68.23295908	0.24	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	n	1.02571850	1.02571850	mg/L	33147.90584901	0.00112866	0.11003567	36.50937863	0.11	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	52.95374604	52.95374604	mg/L	21208.72211578	0.09783276	0.18475135	39.18090966	0.18	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	1.06485785	1.06485785	mg/L	347726.56630260	0.00023103	0.02169621	75.40284773	0.02	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44462753
Mo 204.598	Mo	n	1.01462019	1.01462019	mg/L	13093.04134335	0.00134086	0.13215383	17.30710974	0.13	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	30.53207273	30.53207273	mg/L	129527.77427378	0.03370037	0.11037694	143.02357416	0.11	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	1.02306424	1.02306424	mg/L	18544.02040100	0.00167805	0.16402186	30.40277418	0.16	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	n	5.41424434	5.41424434	mg/L	453.07606828	0.01871839	0.34572481	1.56031135	0.34		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153482329
Pb 220.353	Pb	n	1.03661470	1.03661470	mg/L	10058.79766380	0.00274499	0.26480292	26.61909318	0.26	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511754971
S 181.972	S	n	5.49064809	5.49064809	mg/L	6200.23786403	0.02682758	0.48860505	29.55589626	0.48		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980332898
Sb 206.834	Sb	n	1.02598673	1.02598673	mg/L	3439.02562648	0.00406118	0.39583157	13.67616667	0.40	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357528583
Se 196.026	Se	n	1.04633877	1.04633877	mg/L	3399.32063242	0.00382924	0.36596607	12.33642278	0.36	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332600872
Si 251.611	Si	n	5.60268103	5.60268103	mg/L	18381.85329496	0.06086907	1.08642760	199.46697991	1.09		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	5.14236632	5.14236632	mg/L	46955.47669617	0.02208066	0.42938708	201.46250164	0.43	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361323172
Sr 421.552	Sr-R	n	1.07391104	1.07391104	mg/L	177681.24483277	0.00024548	0.02285860	40.58841755	0.02	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36197588
Ti 334.941	Ti	n	1.04281497	1.04281497	mg/L	202910.29753805	0.00253488	0.24308064	493.10130807	0.24	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	1.04594897	1.04594897	mg/L	4087.04784466	0.01356650	1.29705171	53.01983740	1.30	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444256816
V 292.401	V	n	1.03739845	1.03739845	mg/L	28200.47269522	0.00109933	0.10596979	29.92133656	0.11	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	1.07975638	1.07975638	mg/L	30097.03869350	0.00096968	0.08980557	26.97041991	0.09	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y	0.98	0.98	0.98	Ratio	122765.33	0.01	0.78	952.48	0.78		-	-	-	Fitted	-	-
Y 371.029	Y-R	0.98	0.98	0.98	Ratio	21341.79	0.00	0.11	22.43	0.11		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796011	File: icp data	Time: 01-AUG-2024 11:07
Cal: 794308796001	Caldate: 01-AUG-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	126638	1.38
Yttrium	R	21871	21939	0.31

Label: ICB	Rack/Tube: S1:1	Type: QC
Date Time: 8/1/2024 11:07:49 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00033958	0.00033958	mg/L	35.43796776	0.00025905	76.28535392	10.33747923	29.17		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.00345193	0.00345193	mg/L	191.73892238	0.00029569	8.56581917	9.95737281	5.19	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00148845	0.00148845	mg/L	9.91285207	0.00028514	19.15682228	1.25896004	12.70	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00177369	0.00177369	mg/L	111.49196200	0.00066416	37.44495708	22.74102865	20.40	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00073398	-0.00073398	mg/L	86.49863414	0.00004186	5.70381586	5.27124712	6.09	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00006685	0.00006685	mg/L	78.41309743	0.00000629	9.40401049	7.14363227	9.11	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.00405015	0.00405015	mg/L	768.31044729	0.00130498	32.22049307	7.78728405	1.01	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	nu	-0.00013842	-0.00013842	mg/L	34.68172921	0.00006940	50.14016710	12.24825236	35.32	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	nu	-0.00016685	-0.00016685	mg/L	49.35130822	0.00020747	124.34287923	9.55173489	19.35	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00030553	0.00030553	mg/L	-16.58810156	0.00011745	38.44167022	5.31895783	32.06	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00175428	0.00175428	mg/L	968.48423985	0.00017163	9.78364797	6.34463563	0.66	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	nu	-0.00088239	-0.00088239	mg/L	27.33147594	0.00017098	19.37638999	5.42744935	19.86	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.71922755	0.71922755	mg/L	-22.84633368	0.04294289	5.97069556	20.44534751	89.49	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	0.00042104	0.00042104	mg/L	-30.36942874	0.00063365	150.49737840	20.49713340	67.49	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	nu	0.00060604	0.00060604	mg/L	1.27866324	0.01250888	2064.02084611	5.00966500	> 100.00	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	nu	-0.00019843	-0.00019843	mg/L	98.98637045	0.00003765	18.97140205	12.28645912	12.41	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00197675	0.00197675	mg/L	22.14321045	0.00097694	49.42129878	12.60978814	56.95	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01078260	0.01078260	mg/L	0.00457181	0.00263331	24.42185745	11.17571255	> 100.00	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	nu	-0.00015207	-0.00015207	mg/L	1.51226912	0.00042494	279.44222056	7.69910332	> 100.00	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	n	0.00796332	0.00796332	mg/L	2.31188991	0.00790675	99.28950994	0.65908376	28.51		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	nu	-0.00029203	-0.00029203	mg/L	5.95479957	0.00056628	193.91304914	5.49139346	92.22	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.01076512	0.01076512	mg/L	158.70908347	0.00135415	12.57906375	1.49186560	0.94		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	n	0.00287343	0.00287343	mg/L	-6.23564352	0.00047587	16.56114804	1.60251824	25.70	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	nu	-0.00215450	-0.00215450	mg/L	20.88981820	0.00100065	46.44468220	3.22373116	15.43	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	nu	0.00018858	0.00018858	mg/L	23.22033851	0.00080796	428.44818307	2.64767504	11.40		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	nu	-0.00055617	-0.00055617	mg/L	31.37779616	0.00027672	49.75510610	2.52479682	8.05	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00010398	0.00010398	mg/L	59.77500469	0.00005730	55.10523716	9.47382156	15.85	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00091677	0.00091677	mg/L	235.33611437	0.00027713	30.22845386	53.90832662	22.91	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00132678	0.00132678	mg/L	4.72880437	0.00157212	118.49123591	6.14407457	> 100.00	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00121091	0.00121091	mg/L	-5.57802387	0.00038730	31.98410217	10.54146299	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	nu	-0.00141699	-0.00141699	mg/L	20.00250845	0.00006149	4.33977708	1.71037922	8.55	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		1.01	1.01	Ratio	126637.83	0.01	0.54	680.33	0.54		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	21938.71	0.00	0.17	36.97	0.17		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794308796013	File: icp data
Cal: 794308796001	Time: 01-AUG-2024 11:14
Caldate: 01-AUG-2024	

Standards: S21125

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.009203]	0.003333	mg/L	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	415.2	mg/L	104	
Aluminum as Al ₂ O ₃	A	755.8	784.5	mg/L	104	
Iron	A	160.0	148.6	mg/L	93	
Iron as Fe ₂ O ₃	A	228.8	212.5	mg/L	93	
Calcium	R	400.0	401.0	mg/L	100	
Calcium as CaCO ₃	R	998.9	1001	mg/L	100	
Magnesium	R	400.0	420.0	mg/L	105	
Magnesium as MgCO ₃	R	1388	1457	mg/L	105	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	115803	-7.30
Yttrium	R	21871	20567	-5.96

--low bias a=ICSA

Label: ICSA,S21125	Rack/Tube: S1:14	Type: QC
Date Time: 8/1/2024 11:14:05 AM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration
Ag 328.068	Ag	n	0.00116081	0.00116081	mg/L	72.49927914	0.00012068	10.39603940	4.81568950	6.64		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3
Al 396.152	Al	no	415.19450225	415.19450225	mg/L	13984120.68134620	0.52469352	0.12637294	17669.33186878	0.13	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5
As 188.980	As	nu	0.00039597	0.00039597	mg/L	13.68387192	0.00064994	164.13758454	2.86965640	20.97	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24
B 249.678	B	n	0.00057791	0.00057791	mg/L	98.13961068	0.00006277	10.86152753	2.14926605	2.19	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3
Ba 230.424	Ba	n	0.00225636	0.00225636	mg/L	605.60529285	0.00003117	1.38160074	3.92512754	0.65	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911
Be 313.107	Be	n	0.00002056	0.00002056	mg/L	23.24005461	0.00000671	32.64578863	7.62529918	32.81	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	113629
Ca 317.933	Ca-R	no	400.96186335	400.96186335	mg/L	2393504.87427003	0.84452394	0.21062451	5039.58074370	0.21	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36
Cd 214.439	Cd	n	0.00020840	0.00020840	mg/L	560.05616349	0.00007132	34.22105572	12.58616112	2.25	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479
Co 230.786	Co	nu	-0.00131088	-0.00131088	mg/L	59.02031066	0.00004612	3.51837709	2.12339560	3.60	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0
Cr 267.716	Cr	nu	-0.00033669	-0.00033669	mg/L	-10.51763800	0.00016602	49.30738843	7.51838488	71.48	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2
Cu 324.754	Cu	nu	-0.00540574	-0.00540574	mg/L	781.93526211	0.00075346	13.93818815	27.85280494	3.56	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4
Fe 259.940	Fe	no	148.63948894	148.63948894	mg/L	4718854.00035242	1.53495879	1.03267227	48725.58669403	1.03	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9
K 766.491	K-R	n	0.95744193	0.95744193	mg/L	-30.84435917	0.06700335	6.99816304	31.90066598	> 100.00	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105
Li 670.783	Li-R	nu	-0.00016324	-0.00016324	mg/L	62.28940591	0.00084207	515.85961848	27.23889707	43.73	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6
Mg 279.800	Mg-R	no	420.01119304	420.01119304	mg/L	168231.38771707	0.41719136	0.09932863	167.08040479	0.10	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.486
Mn 257.610	Mn	n	0.00007903	0.00007903	mg/L	707.16937195	0.00002766	35.00426728	9.02892101	1.28	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371
Mo 204.598	Mo	n	0.00233346	0.00233346	mg/L	107.15684095	0.00046298	19.84097063	5.97591364	5.58	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4
Na 589.592	Na-R	n	0.07736784	0.07736784	mg/L	220.04296487	0.01367332	17.67312782	58.02924060	26.37	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.97
Ni 231.604	Ni	nu	-0.00115774	-0.00115774	mg/L	33.81062178	0.00018518	15.99459690	3.35499584	9.92	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.5
P 177.434	P	nu	-0.02313005	-0.02313005	mg/L	0.89786077	0.00584557	25.27263172	0.48727019	54.27		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571
Pb 220.353	Pb	nu	-0.00920283	-0.00920283	mg/L	-663.22053620	0.00072181	7.84340369	6.99969287	1.06	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.79048559802882	9697.35
S 181.972	S	n	0.03508859	0.03508859	mg/L	301.33697130	0.00297375	8.47499147	3.27617972	1.09		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69
Sb 206.834	Sb	n	0.00237516	0.00237516	mg/L	-11.43953478	0.00125888	53.00204378	4.23934000	37.06	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53
Se 196.026	Se	nu	-0.00316153	-0.00316153	mg/L	15.94759678	0.00180353	57.04606092	5.81029941	36.43	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63
Si 251.611	Si	nu	0.00026483	0.00026483	mg/L	37.19263418	0.00031562	119.18057036	1.03428168	2.78		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.96
Sn 189.925	Sn	nu	-0.00299220	-0.00299220	mg/L	23.51292154	0.00147212	49.19863712	13.43153015	57.12	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93
Sr 421.552	Sr-R	n	0.01943273	0.01943273	mg/L	3858.32910786	0.00010249	0.52739376	16.94544255	0.44	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342
Ti 334.941	Ti	nu	0.00004985	0.00004985	mg/L	81.43198708	0.00007273	145.90339164	14.14706749	17.37	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526
Tl 190.794	Tl	nu	-0.00011077	-0.00011077	mg/L	2.04422089	0.00035224	318.00290618	1.37662276	67.34	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14
V 292.401	V	n	0.00246011	0.00246011	mg/L	-52.60682833	0.00048074	19.54139714	13.08470470	24.87	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.6
Zn 206.200	Zn	nu	-0.03359520	-0.03359520	mg/L	69.71169219	0.00011081	0.32982563	3.08191199	4.42	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.6
Y 371.029	Y		0.93	0.93	Ratio	115802.62	0.01	0.62	716.49	0.62		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	20566.85	0.00	0.24	48.44	0.24		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794308796014	File: icp data
Cal: 794308796001	Time: 01-AUG-2024 11:17
Caldate: 01-AUG-2024	

Standards: S21126

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.029	mg/L	3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	115917	-7.20
Yttrium	R	21871	20523	-6.16

Label: ICSAB,S21126

Rack/Tube: S1:15

Type: QC

Date Time: 8/1/2024 11:17:13 AM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID:

Customer:

Customer Ref.:

Sample Date

Sample Site:

Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coef
Ag 328.068	Ag	n	1.08650738	1.08650738	mg/L	43383.62336569	0.00726679	0.66882135	289.98402768	0.67		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363
Al 396.152	Al	no	413.74722341	413.74722341	mg/L	13935373.47516650	0.61499444	0.14864014	20710.26298488	0.15	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529
As 188.980	As	nu	-0.00139664	-0.00139664	mg/L	5.74863943	0.00093484	66.93523702	4.12756981	71.80	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458
B 249.678	B	n	0.00101230	0.00101230	mg/L	112.95261385	0.00022771	22.49385809	7.79671591	6.90	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340
Ba 230.424	Ba	n	0.53396471	0.53396471	mg/L	67553.14630266	0.00265470	0.49716758	334.25592229	0.49	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02
Be 313.107	Be	n	0.52415530	0.52415530	mg/L	595595.25297057	0.00452186	0.86269466	5138.16929498	0.86	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5
Ca 317.933	Ca-R	no	400.02026222	400.02026222	mg/L	2387885.66238875	0.42077442	0.10518828	2510.91363131	0.11	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627
Cd 214.439	Cd	n	1.00080618	1.00080618	mg/L	177142.99283808	0.00399824	0.39950193	705.60676525	0.40	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34
Co 230.786	Co	n	0.50272285	0.50272285	mg/L	23264.01895693	0.00095415	0.18979714	43.92834615	0.19	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073
Cr 267.716	Cr	n	0.51563496	0.51563496	mg/L	23356.29695610	0.00027267	0.05288074	12.34855259	0.05	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270
Cu 324.754	Cu	n	0.57601424	0.57601424	mg/L	22274.84087009	0.00127204	0.22083562	47.02297628	0.21	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451
Fe 259.940	Fe	no	149.42146610	149.42146610	mg/L	4743675.42996926	0.17468927	0.11691042	5545.31952112	0.12	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905
K 766.491	K-R	n	1.13206600	1.13206600	mg/L	52.75166260	0.03274094	2.89214023	15.58814183	29.55	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555
Li 670.783	Li-R	nu	-0.00033938	-0.00033938	mg/L	56.17350906	0.00119997	353.57465908	38.81612274	69.10	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651
Mg 279.800	Mg-R	no	418.41311677	418.41311677	mg/L	167591.29231861	0.81502153	0.19478871	326.40687096	0.19	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864
Mn 257.610	Mn	n	0.54193138	0.54193138	mg/L	177550.24869166	0.00106553	0.19661631	347.75709173	0.20	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44
Mo 204.598	Mo	n	0.00153039	0.00153039	mg/L	96.59709476	0.00078051	51.00043482	10.07435429	10.43	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475
Na 589.592	Na-R	n	7.53510107	7.53510107	mg/L	31870.69107124	0.01050026	0.13935124	44.56284440	0.14	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767
Ni 231.604	Ni	n	1.00036656	1.00036656	mg/L	18179.15869688	0.00295101	0.29499246	53.46611796	0.29	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929
P 177.434	P	nu	-0.01115791	-0.01115791	mg/L	1.89160876	0.00740515	66.36679528	0.61727188	32.63		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153
Pb 220.353	Pb	n	1.02878314	1.02878314	mg/L	9403.88270856	0.00144923	0.14086840	14.05369601	0.15	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511
S 181.972	S	n	0.05071615	0.05071615	mg/L	318.20531498	0.00449730	8.86759105	4.95466786	1.56		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980
Sb 206.834	Sb	n	0.00784302	0.00784302	mg/L	6.95768473	0.00167658	21.37667699	5.64593094	81.15	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357
Se 196.026	Se	nu	-0.00581871	-0.00581871	mg/L	7.40879174	0.00226848	38.98591697	7.30820174	98.64	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332
Si 251.611	Si	n	0.00221351	0.00221351	mg/L	43.55418700	0.00217874	98.42918323	7.13969287	16.39		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840
Sn 189.925	Sn	nu	-0.00288035	-0.00288035	mg/L	24.48502685	0.00088530	30.73594463	8.07744090	32.99	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361
Sr 421.552	Sr-R	n	0.01950915	0.01950915	mg/L	3868.23410364	0.00015453	0.79209166	25.55041505	0.66	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36
Ti 334.941	Ti	n	0.00003579	0.00003579	mg/L	78.69572574	0.00002638	73.71819217	5.13207542	6.52	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39
Tl 190.794	Tl	n	0.00136283	0.00136283	mg/L	7.79811377	0.00042307	31.04380815	1.65343224	21.20	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444
V 292.401	V	n	0.54027540	0.54027540	mg/L	14585.88546196	0.00054378	0.10064875	14.80051609	0.10	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817
Zn 206.200	Zn	n	1.02517759	1.02517759	mg/L	29514.20696992	0.00289001	0.28190324	80.38181974	0.27	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693
Y 371.029	Y		0.93	0.93	Ratio	115916.69	0.01	0.90	1037.45	0.90		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	20523.24	0.01	0.70	143.60	0.70		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796165	File: icp data	Time: 01-AUG-2024 19:35
Cal: 794308796001	Caldate: 01-AUG-2024	

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10387	1.000	1.070	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	121931	-2.39
Yttrium	R	21871	21265	-2.77

Label:	CCV,S21323	Rack/Tube:	S1:12	Type:	QC
Date Time:	8/1/2024 7:35:41 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:	-	Customer:	-	Customer Ref.:	-
Sample Date Time:	-	Sample Site:	-	Description:	-
Replicates:	3	Flags Replicate 1:	-	Flags Replicate 2:	-
Flags Replicate 3:	-				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.50117302	0.50117302	mg/L	20024.12854235	0.00083442	0.16649364	33.29788107	0.17		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363140192
Al 396.152	Al	n	1.15169148	1.15169148	mg/L	39101.98091465	0.00106778	0.09271419	35.95810350	0.09	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529072140
As 188.980	As	n	1.07451197	1.07451197	mg/L	4747.58158834	0.00174708	0.16259252	7.71377028	0.16	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458460353
B 249.678	B	n	1.06481158	1.06481158	mg/L	36513.92068544	0.00471137	0.44246078	161.31903668	0.44	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340599946
Ba 230.424	Ba	n	1.02956301	1.02956301	mg/L	129818.14402823	0.00411908	0.40008003	518.63706353	0.40	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02194984
Be 313.107	Be	n	1.06358060	1.06358060	mg/L	1208543.78207885	0.00116000	0.10906537	1318.10078398	0.11	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	53.97422728	53.97422728	mg/L	322826.23733828	0.12414612	0.23000999	740.82491864	0.23	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627735283
Cd 214.439	Cd	n	1.04332743	1.04332743	mg/L	184187.72929185	0.00317634	0.30444346	560.55875795	0.30	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34187506
Co 230.786	Co	n	1.07529560	1.07529560	mg/L	49564.43166682	0.00369967	0.34406043	170.32922570	0.34	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	n	1.02414320	1.02414320	mg/L	46352.97601313	0.00006383	0.00623278	2.89080413	0.01	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270240531
Cu 324.754	Cu	n	1.07367807	1.07367807	mg/L	40606.56268650	0.00694944	0.64725515	256.89601759	0.63	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	1.14153103	1.14153103	mg/L	36341.03973210	0.00066325	0.05810207	21.05424718	0.06	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	62.87500260	62.87500260	mg/L	29559.24332371	0.32000545	0.50895498	152.35637570	0.52	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	n	1.05691774	1.05691774	mg/L	34157.39625454	0.00444924	0.42096335	143.92234548	0.42	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	53.93881980	53.93881980	mg/L	21603.24645218	0.13289878	0.24638799	53.22445112	0.25	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	1.09233920	1.09233920	mg/L	356696.27408082	0.00083168	0.07613709	271.43505141	0.08	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44462753
Mo 204.598	Mo	n	1.04544008	1.04544008	mg/L	13490.86082203	0.00007117	0.00680793	0.91866146	0.01	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	31.34685815	31.34685815	mg/L	132985.62079165	0.03220201	0.10272802	136.66456824	0.10	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	1.05813549	1.05813549	mg/L	19179.52247473	0.00114565	0.10827040	20.75676209	0.11	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	n	5.38387877	5.38387877	mg/L	450.54749223	0.03401587	0.63180972	2.83546602	0.63		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153482329
Pb 220.353	Pb	n	1.07042377	1.07042377	mg/L	10386.55800816	0.00242447	0.22649601	23.51090926	0.23	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511754971
S 181.972	S	n	5.69481103	5.69481103	mg/L	6425.28308407	0.01731650	0.30407504	19.07755288	0.30		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980332898
Sb 206.834	Sb	n	1.05834753	1.05834753	mg/L	3548.00002578	0.00207688	0.19623831	6.99397880	0.20	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357528583
Se 196.026	Se	n	1.08712564	1.08712564	mg/L	3530.72911034	0.00372470	0.34261864	11.99960165	0.34	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332600872
Si 251.611	Si	n	5.80888774	5.80888774	mg/L	19057.57857522	0.08889684	1.53035901	291.31351516	1.53		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	5.29727054	5.29727054	mg/L	48368.82455334	0.02290999	0.43248663	209.02925458	0.43	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361323172
Sr 421.552	Sr-R	n	1.10853366	1.10853366	mg/L	183407.89435729	0.00098443	0.08880507	162.76865700	0.09	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36197588
Ti 334.941	Ti	n	1.07426738	1.07426738	mg/L	209028.56685972	0.00459981	0.42818115	894.78452385	0.43	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	1.08428847	1.08428847	mg/L	4236.87981997	0.00958117	0.88363623	37.44457947	0.88	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444256816
V 292.401	V	n	1.07256471	1.07256471	mg/L	29157.67215006	0.00009252	0.00862566	2.51807923	0.01	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	1.13772528	1.13772528	mg/L	31709.79502637	0.00234068	0.20573354	65.10302405	0.21	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y	0.98	0.98	0.98	Ratio	121930.80	0.01	0.71	870.14	0.71		-	-	-	Fitted	-	-
Y 371.029	Y-R	0.97	0.97	0.97	Ratio	21265.17	0.01	0.80	170.03	0.80		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0
Seqnum: 794308796166	File: icp data
Cal: 794308796001	Time: 01-AUG-2024 19:38
Caldate: 01-AUG-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	0.003601	0.003333	---	mg/L	CCB ***

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	125106	0.15
Yttrium	R	21871	21816	-0.25

CCB=instrument blank

Label: CCB	Rack/Tube: S1:1	Type: QC
Date Time: 8/1/2024 7:38:48 PM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00023224	0.00023224	mg/L	31.15666731	0.00019585	84.33339713	7.81563012	25.08		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.00830623	0.00830623	mg/L	355.49320029	0.00067607	8.13930435	22.76698434	6.40	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00192502	0.00192502	mg/L	11.84053340	0.00105250	54.67460987	4.64703857	39.25	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00135301	0.00135301	mg/L	97.09027022	0.00021238	15.69673686	7.27189835	7.49	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00011066	-0.00011066	mg/L	164.98872893	0.00014042	126.89328475	17.68067062	10.72	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00061509	0.00061509	mg/L	701.37397833	0.00001276	2.07396971	14.49549736	2.07	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.03806679	0.03806679	mg/L	971.30341057	0.00205718	5.40413514	12.27594523	1.26	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	n	0.00048099	0.00048099	mg/L	144.02130943	0.00001563	3.25042831	2.75913597	1.92	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	n	0.00050496	0.00050496	mg/L	80.28504965	0.00018893	37.41481247	8.69808042	10.83	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00075422	0.00075422	mg/L	3.73556558	0.00011570	15.34071760	5.23989085	> 100.00	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00322720	0.00322720	mg/L	1022.94179280	0.00025687	7.95954082	9.49559699	0.93	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	n	0.00640383	0.00640383	mg/L	258.67731953	0.00042809	6.68491580	13.58926304	5.25	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.76143659	0.76143659	mg/L	-2.76285106	0.09398997	12.34376891	44.74914845	> 100.00	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	-0.00207513	-0.00207513	mg/L	-111.10091506	0.00118659	57.18177261	38.38352630	34.55	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	n	0.02914426	0.02914426	mg/L	12.70917750	0.00679074	23.30043164	2.71961367	21.40	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00051882	0.00051882	mg/L	333.12070470	0.00001950	3.75767025	6.36281870	1.91	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00206005	0.00206005	mg/L	23.21960252	0.00083048	40.31353259	10.71938191	46.17	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01850396	0.01850396	mg/L	32.76907782	0.00613120	33.13451743	26.02066037	79.41	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	0.00073599	0.00073599	mg/L	17.60725672	0.00029283	39.78687251	5.30539244	30.13	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	nu	0.00434794	0.00434794	mg/L	2.01064692	0.00457381	105.19481571	0.38125993	18.96		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	n	0.00360054	0.00360054	mg/L	43.69325239	0.00055567	15.43300947	5.38854805	12.33	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.01649780	0.01649780	mg/L	165.03084678	0.00405009	24.54925215	4.46197223	2.70		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	nu	0.00077333	0.00077333	mg/L	-13.30733320	0.00352921	456.36595186	11.88475295	89.31	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	nu	-0.00047642	-0.00047642	mg/L	26.29596063	0.00249831	524.39554933	8.04863707	30.61	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	n	0.00756850	0.00756850	mg/L	47.40375070	0.00150468	19.88085819	4.93082366	10.40		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	0.00352350	0.00352350	mg/L	68.60124138	0.00038878	11.03389055	3.54719819	5.17	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00061102	0.00061102	mg/L	143.69719976	0.00006297	10.30586528	10.41170472	7.25	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00170558	0.00170558	mg/L	388.77915006	0.00035556	20.84654264	69.16487716	17.79	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00258238	0.00258238	mg/L	9.63569802	0.00028762	11.13795607	1.12407648	11.67	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00119216	0.00119216	mg/L	-6.09057740	0.00025495	21.38574283	6.93924869	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	n	0.01338466	0.01338466	mg/L	431.74476129	0.00215575	16.10611103	59.95930197	13.89	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		1.00	1.00	Ratio	125106.31	0.01	0.81	1013.41	0.81		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	21815.59	0.00	0.48	105.30	0.48		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796177	File: icp data	Time: 01-AUG-2024 20:13
Cal: 794308796001	Caldate: 01-AUG-2024	

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10422	1.000	1.074	mg/L	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	121175	-3.00
Yttrium	R	21871	21222	-2.97

Label: CCV,S21323

Rack/Tube: S1:12

Type: QC

Date Time: 8/1/2024 8:13:14 PM

Weight: -

Volume: -

Dilution: -

%RSE limit: -

Calibration Coefficient [3]: -

LIMS ID: -

Customer: -

Customer Ref.: -

Sample Date Time: -

Sample Site: -

Description: -

Replicates: 3

Flags Replicate 1: -

Flags Replicate 2: -

Flags Replicate 3: -

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.50266473	0.50266473	mg/L	20083.65762131	0.00049259	0.09799521	19.65687810	0.10		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363140192
Al 396.152	Al	n	1.15553534	1.15553534	mg/L	39231.43196154	0.00373417	0.32315489	125.75011456	0.32	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.529072140
As 188.980	As	n	1.08478916	1.08478916	mg/L	4792.95724852	0.00249342	0.22985305	11.00906649	0.23	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458460353
B 249.678	B	n	1.07266714	1.07266714	mg/L	36782.90571300	0.00093721	0.08737225	32.09050547	0.09	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340599946
Ba 230.424	Ba	n	1.03651009	1.03651009	mg/L	130692.88113535	0.00282446	0.27249677	355.63020393	0.27	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02194984
Be 313.107	Be	n	1.06886499	1.06886499	mg/L	1214548.41275153	0.00147126	0.13764707	1671.78779436	0.14	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	54.13325231	54.13325231	mg/L	323775.18993493	0.08305118	0.15341991	495.59654609	0.15	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627735283
Cd 214.439	Cd	n	1.04990767	1.04990767	mg/L	185349.01560766	0.00353113	0.33632722	623.17065736	0.34	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34187506
Co 230.786	Co	n	1.08026996	1.08026996	mg/L	49793.44969237	0.00372653	0.34496257	171.56584964	0.34	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	n	1.03179670	1.03179670	mg/L	46699.58031398	0.00118342	0.11469555	53.59408491	0.11	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	50.4234978915446	45287.270240531
Cu 324.754	Cu	n	1.07644338	1.07644338	mg/L	40708.82310571	0.00149956	0.13930677	55.43335688	0.14	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	1.15126626	1.15126626	mg/L	36650.14614719	0.00072768	0.06320689	23.09939164	0.06	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	63.03788434	63.03788434	mg/L	29636.78409239	0.21148152	0.33548321	100.68752627	0.34	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	n	1.05637733	1.05637733	mg/L	34139.94101300	0.00096018	0.09089343	31.05949111	0.09	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	54.08545950	54.08545950	mg/L	21661.97427049	0.07066190	0.13064860	28.29928707	0.13	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	1.09980176	1.09980176	mg/L	359131.91090381	0.00067525	0.06139779	220.38362673	0.06	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44462753
Mo 204.598	Mo	n	1.04796290	1.04796290	mg/L	13523.42546854	0.00142390	0.13587309	18.37894812	0.14	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	31.41117392	31.41117392	mg/L	133258.56470096	0.06559186	0.20881698	278.37034716	0.21	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	1.06135829	1.06135829	mg/L	19237.92579131	0.00143154	0.13487836	25.93658825	0.13	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	n	5.74592540	5.74592540	mg/L	480.72681897	0.05965398	1.03819614	4.97258561	1.03		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153482329
Pb 220.353	Pb	n	1.07406290	1.07406290	mg/L	10421.83349552	0.00386316	0.35967699	37.46239096	0.36	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511754971
S 181.972	S	n	5.75527586	5.75527586	mg/L	6491.89863409	0.02736506	0.47547773	30.14802750	0.46		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980332898
Sb 206.834	Sb	n	1.06308087	1.06308087	mg/L	3563.94086295	0.00107098	0.10074331	3.60657311	0.10	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357528583
Se 196.026	Se	n	1.09332926	1.09332926	mg/L	3550.71632015	0.00326299	0.29844564	10.51216840	0.30	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332600872
Si 251.611	Si	n	5.83591426	5.83591426	mg/L	19146.14210276	0.09126101	1.56378256	299.06087071	1.56		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	5.31547680	5.31547680	mg/L	48534.93793200	0.02808444	0.52835219	256.24061761	0.53	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361323172
Sr 421.552	Sr-R	n	1.10682029	1.10682029	mg/L	183124.54117545	0.00131709	0.11899741	217.77036115	0.12	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36197588
Ti 334.941	Ti	n	1.08002809	1.08002809	mg/L	210149.18369598	0.00258426	0.23927680	502.70611402	0.24	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	1.07800867	1.07800867	mg/L	4212.33716922	0.01115362	1.03465035	43.58995970	1.03	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444256816
V 292.401	V	n	1.07556968	1.07556968	mg/L	29239.45914589	0.00143068	0.13301603	38.93998997	0.13	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	1.13631961	1.13631961	mg/L	31670.70976687	0.00272180	0.23952787	75.70337119	0.24	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y	0.97	0.97	0.97	Ratio	121174.51	0.01	0.55	670.47	0.55		-	-	-	Fitted	-	-
Y 371.029	Y-R	0.97	0.97	0.97	Ratio	21221.88	0.00	0.13	27.07	0.13		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796178	File: icp data	Time: 01-AUG-2024 20:16
Cal: 794308796001	Caldate: 01-AUG-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001869]	0.003333	---	mg/L	!CCB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	125057	0.11
Yttrium	R	21871	21790	-0.37

!=warning CCB=instrument blank

Label:	CCB	Rack/Tube:	S1:1	Type:	QC
Date Time:	8/1/2024 8:16:21 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:	-	Customer:	-	Customer Ref.:	-
Sample Date Time:	-	Sample Site:	-	Description:	-
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.00040520	0.00040520	mg/L	38.05851829	0.00010403	25.67311420	4.15120886	10.91		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.00907376	0.00907376	mg/L	381.35555138	0.00143991	15.86896394	48.48977808	12.72	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00237970	0.00237970	mg/L	13.84851903	0.00123910	52.06967437	5.47094499	39.51	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00147806	0.00147806	mg/L	101.37252666	0.00016717	11.31009865	5.72394799	5.65	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00009913	-0.00009913	mg/L	166.44177567	0.00003068	30.94534751	3.86262284	2.32	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00064452	0.00064452	mg/L	734.81845355	0.00000331	0.51335637	3.75966551	0.51	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.03986815	0.03986815	mg/L	982.05285486	0.00044243	1.10973379	2.64014198	0.27	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	n	0.00050073	0.00050073	mg/L	147.50167373	0.00002852	5.69479046	5.03235643	3.41	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	n	0.00076138	0.00076138	mg/L	92.09032458	0.00027310	35.86897475	12.57320495	13.65	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00080847	0.00080847	mg/L	6.19295908	0.00014606	18.06656634	6.61476348	> 100.00	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00337009	0.00337009	mg/L	1028.22462586	0.00016015	4.75207849	5.92016031	0.58	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	n	0.00645955	0.00645955	mg/L	260.44261400	0.00027010	4.18142766	8.57407814	3.29	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.80752017	0.80752017	mg/L	19.17680833	0.03032437	3.75524634	14.43760183	75.29	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	-0.00223654	-0.00223654	mg/L	-116.32386903	0.00080886	36.16578102	26.16481544	22.49	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	n	0.01648648	0.01648648	mg/L	7.63985214	0.01146132	69.51954320	4.59013052	60.08	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00058559	0.00058559	mg/L	354.90584675	0.00001565	2.67295069	5.10857272	1.44	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00261722	0.00261722	mg/L	30.41433841	0.00065574	25.05480759	8.46394537	27.83	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01506588	0.01506588	mg/L	18.17783237	0.00413921	27.47408562	17.56672729	96.64	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	nu	0.00036502	0.00036502	mg/L	10.88479243	0.00042818	117.30347635	7.75776110	71.27	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	nu	-0.00129976	-0.00129976	mg/L	1.53987571	0.01118748	860.73284315	0.93255630	60.56		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	n	0.00186895	0.00186895	mg/L	26.87944598	0.00043718	23.39169416	4.23948830	15.77	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.01939882	0.01939882	mg/L	168.23019572	0.00270295	13.93356547	2.97783105	1.77		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	n	0.00237727	0.00237727	mg/L	-7.90695349	0.00029538	12.42529350	0.99471223	12.58	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	nu	-0.00156557	-0.00156557	mg/L	22.78735319	0.00183084	116.94397624	5.89828560	25.88	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	n	0.00762297	0.00762297	mg/L	47.58322969	0.00154821	20.30980916	5.07346314	10.66		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	0.00274239	0.00274239	mg/L	61.47462864	0.00025111	9.15647558	2.29107816	3.73	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00068895	0.00068895	mg/L	156.59497632	0.00012937	18.77806179	21.39056668	13.66	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00168733	0.00168733	mg/L	385.22905593	0.00037713	22.35080343	73.36223881	19.04	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00303633	0.00303633	mg/L	11.40998771	0.00024536	8.08087692	0.95891034	8.40	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00123868	0.00123868	mg/L	-4.82359297	0.00055273	44.62289174	15.04418479	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	n	0.00820948	0.00820948	mg/L	287.80074367	0.00188673	22.98231837	52.47689903	18.23	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		1.00	1.00	Ratio	125057.13	0.01	0.69	863.07	0.69		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	21790.09	0.00	0.27	59.22	0.27		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796188	File: icp data	Time: 01-AUG-2024 20:47
Cal: 794308796001	Caldate: 01-AUG-2024	

Standards: S21323

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	10290	10196	1.000	1.051	mg/L	5	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	123276	-1.31
Yttrium	R	21871	21423	-2.05

Label: CCV,S21323	Rack/Tube: S1:12	Type: QC
Date Time: 8/1/2024 8:47:40 PM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3	Flags Replicate 1: -	Flags Replicate 2: -
Flags Replicate 3: -		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.49271564	0.49271564	mg/L	19686.60715960	0.00159073	0.32284966	63.47868969	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.363140192
Al 396.152	Al	n	1.13295428	1.13295428	mg/L	38468.53615997	0.00091658	0.08090133	30.86614998	0.08	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.587723879603	33675.529072140
As 188.980	As	n	1.05681428	1.05681428	mg/L	4669.44120640	0.00359973	0.34062104	15.89370076	0.34	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.2458460353
B 249.678	B	n	1.04003606	1.04003606	mg/L	35665.56588487	0.00135253	0.13004682	46.31121882	0.13	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.340599946
Ba 230.424	Ba	n	1.00870780	1.00870780	mg/L	127192.19716211	0.00187901	0.18627919	236.58840713	0.19	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.02194984
Be 313.107	Be	n	1.04514388	1.04514388	mg/L	1187594.22396915	0.00175244	0.16767410	1991.28481338	0.17	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.5807067
Ca 317.933	Ca-R	n	53.43724035	53.43724035	mg/L	319621.85457002	0.03010120	0.05633001	179.62480728	0.06	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.3627735283
Cd 214.439	Cd	n	1.02242495	1.02242495	mg/L	180498.85498753	0.00335331	0.32797632	591.79025199	0.33	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.34187506
Co 230.786	Co	n	1.05249737	1.05249737	mg/L	48514.80659760	0.00137329	0.13047899	63.22490526	0.13	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.073045812
Cr 267.716	Cr	n	1.00709806	1.00709806	mg/L	45581.01847970	0.00209288	0.20781281	94.78076781	0.21	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.270240531
Cu 324.754	Cu	n	1.05049398	1.05049398	mg/L	39749.42095672	0.00410917	0.39116531	151.90136334	0.38	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.451985879
Fe 259.940	Fe	n	1.12898206	1.12898206	mg/L	35942.23714273	0.00291920	0.25856887	92.66668557	0.26	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.905416332
K 766.491	K-R	n	62.13255649	62.13255649	mg/L	29205.86354326	0.05922620	0.09532233	28.19792350	0.10	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.10555917557
Li 670.783	Li-R	n	1.04156725	1.04156725	mg/L	33660.73360294	0.00268359	0.25764893	86.80773238	0.26	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.651576048
Mg 279.800	Mg-R	n	53.60149250	53.60149250	mg/L	21468.14770213	0.05776569	0.10776881	23.13450360	0.11	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	1.07261728	1.07261728	mg/L	350259.40820564	0.00225878	0.21058612	737.20229237	0.21	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.44462753
Mo 204.598	Mo	n	1.02393901	1.02393901	mg/L	13213.33282735	0.00112286	0.10966115	14.49333048	0.11	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.475289299
Na 589.592	Na-R	n	30.91125158	30.91125158	mg/L	131136.95005571	0.01073465	0.03472731	45.55758994	0.03	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	1.03924103	1.03924103	mg/L	18837.16203357	0.00308734	0.29707663	55.93624808	0.30	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.929512939
P 177.434	P	n	5.95205271	5.95205271	mg/L	497.90778527	0.03394229	0.57026192	2.82933271	0.57		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.357153482329
Pb 220.353	Pb	n	1.05076450	1.05076450	mg/L	10195.94451722	0.00116923	0.11127441	11.33845306	0.11	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.3511754971
S 181.972	S	n	5.64328556	5.64328556	mg/L	6368.47135738	0.02530037	0.44832699	27.87337027	0.44		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.6980332898
Sb 206.834	Sb	n	1.03548354	1.03548354	mg/L	3471.00722557	0.00307539	0.29700014	10.35647754	0.30	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.5357528583
Se 196.026	Se	n	1.06343918	1.06343918	mg/L	3454.41483387	0.00282236	0.26539939	9.09261234	0.26	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.6332600872
Si 251.611	Si	n	5.68994491	5.68994491	mg/L	18667.80964782	0.08590348	1.50974191	281.50434165	1.51		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	5.19915540	5.19915540	mg/L	47473.62434268	0.03125623	0.60117896	285.17983046	0.60	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.9361323172
Sr 421.552	Sr-R	n	1.09245081	1.09245081	mg/L	180747.88632438	0.00102108	0.09346729	168.82846973	0.09	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.36197588
Ti 334.941	Ti	n	1.05439304	1.05439304	mg/L	205162.50686378	0.00302978	0.28734863	589.37294565	0.29	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	1.05219586	1.05219586	mg/L	4111.45919623	0.00759524	0.72184697	29.68331029	0.72	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.1444256816
V 292.401	V	n	1.05420103	1.05420103	mg/L	28657.81650864	0.00230941	0.21906692	62.85698445	0.22	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.817867056
Zn 206.200	Zn	n	1.13805740	1.13805740	mg/L	31718.98604981	0.00466291	0.40972520	129.69268891	0.41	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y	0.99	0.99	0.99	Ratio	123276.26	0.01	0.67	827.29	0.67		-	-	-	Fitted	-	-
Y 371.029	Y-R	0.98	0.98	0.98	Ratio	21423.07	0.00	0.20	42.85	0.20		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 513228 METALS Wipe
EPA 6010B

Inst: MET12	IDF: 1.0	
Seqnum: 794308796189	File: icp data	Time: 01-AUG-2024 20:50
Cal: 794308796001	Caldate: 01-AUG-2024	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	124916	127200	1.83
Yttrium	R	21871	22142	1.24

Label: CCB	Rack/Tube: S1:1	Type: QC
Date Time: 8/1/2024 8:50:47 PM	Weight: -	Volume: -
Dilution: -	%RSE limit: -	Calibration Coefficient [3]: -
LIMS ID: -	Customer: -	Customer Ref.: -
Sample Date Time: -	Sample Site: -	Description: -
Replicates: 3		

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00035953	0.00035953	mg/L	36.23535470	0.00046961	130.61808672	18.74005206	51.72		Y (371.029 nm)	Linear	1.00000	Fitted	21.8876603622036	39905.3631401926
Al 396.152	Al	n	0.00813610	0.00813610	mg/L	349.68136730	0.00075188	9.24129174	25.31998626	7.24	21.99323421	Y (371.029 nm)	Linear	0.99985	Fitted	75.5877723879603	33675.5290721403
As 188.980	As	n	0.00121497	0.00121497	mg/L	8.70568339	0.00018711	15.40016375	0.82612207	9.49	12.30628969	Y (371.029 nm)	Linear	1.00000	Fitted	3.34093880108368	4415.24584603538
B 249.678	B	n	0.00144334	0.00144334	mg/L	100.18268141	0.00036604	25.36087952	12.53342561	12.51	4.24372879	Y (371.029 nm)	Linear	0.99996	Fitted	50.7605162842641	34240.3405999462
Ba 230.424	Ba	nu	-0.00000867	-0.00000867	mg/L	177.83128878	0.00005996	691.59076627	7.54911186	4.25	9.00310043	Y (371.029 nm)	Linear	0.99998	Fitted	178.915575435538	125911.021949847
Be 313.107	Be	n	0.00066690	0.00066690	mg/L	760.24057503	0.00000914	1.37017609	10.38307856	1.37	2.47671816	Y (371.029 nm)	Linear	0.99997	Fitted	2.44918847873328	1136295.58070673
Ca 317.933	Ca-R	n	0.04082148	0.04082148	mg/L	987.74188575	0.00073891	1.81010950	4.40936522	0.45	2.43786590	Y-R (371.029 nm)	Linear	0.99998	Fitted	744.142942192989	5967.36277352838
Cd 214.439	Cd	n	0.00050377	0.00050377	mg/L	148.04072813	0.00003644	7.23286555	6.43042454	4.34	7.72500245	Y (371.029 nm)	Linear	0.99980	Fitted	59.1173314909911	176479.341875064
Co 230.786	Co	n	0.00038058	0.00038058	mg/L	74.55842826	0.00016371	43.01672437	7.53718644	10.11	4.27863040	Y (371.029 nm)	Linear	0.99998	Fitted	57.0342726119774	46039.0730458121
Cr 267.716	Cr	n	0.00070049	0.00070049	mg/L	1.30153103	0.00020410	29.13654782	9.24310035	> 100.00	1.05276698	Y (371.029 nm)	Linear	0.99999	Off-Peak Left+Right	-30.4234978915446	45287.2702405313
Cu 324.754	Cu	n	0.00292188	0.00292188	mg/L	1011.65331150	0.00028163	9.63875210	10.41094977	1.03	28.15369162	Y (371.029 nm)	Linear	0.99995	Fitted	903.635882051231	36966.4519858791
Fe 259.940	Fe	n	0.00678814	0.00678814	mg/L	270.86186767	0.00053289	7.85034905	16.91609465	6.25	3.73406471	Y (371.029 nm)	Linear	0.99994	Off-Peak Left+Right	55.3573945890757	31743.9054163323
K 766.491	K-R	n	0.69913881	0.69913881	mg/L	-32.42039578	0.06199932	8.86795526	29.51821948	91.05	538.95861773	Y-R (371.029 nm)	Linear	0.99995	Fitted	-365.278166237165	476.105559175579
Li 670.783	Li-R	nu	-0.00155276	-0.00155276	mg/L	-94.20715332	0.00103778	66.83458876	33.56974408	35.63	8.41621375	Y-R (371.029 nm)	Linear	0.99998	FACT	-43.9853809209671	32347.6515760486
Mg 279.800	Mg-R	n	0.03079627	0.03079627	mg/L	13.37069562	0.01023957	33.24936885	4.10082972	30.67	24.37170763	Y-R (371.029 nm)	Linear	1.00000	Fitted	1.03632692165599	400.48864786671
Mn 257.610	Mn	n	0.00057048	0.00057048	mg/L	349.97379332	0.00003058	5.36118730	9.98194768	2.85	4.99380508	Y (371.029 nm)	Linear	0.99996	Fitted	163.76084301634	326371.444627535
Mo 204.598	Mo	n	0.00300159	0.00300159	mg/L	35.37440552	0.00133471	44.46674280	17.22772091	48.70	8.43019328	Y (371.029 nm)	Linear	1.00000	Fitted	-3.37218185075892	12907.4752892999
Na 589.592	Na-R	n	0.01936230	0.01936230	mg/L	36.41236825	0.00501246	25.88776209	21.27278479	58.42	18.18332177	Y-R (371.029 nm)	Linear	1.00000	Fitted	-45.7575081302693	4243.9767797309
Ni 231.604	Ni	n	0.00047776	0.00047776	mg/L	12.92745378	0.00021822	45.67645403	3.95374756	30.58	3.79225846	Y (371.029 nm)	Linear	0.99996	Off-Peak Left+Right	4.26881492294245	18117.9295129395
P 177.434	P	nu	0.00544603	0.00544603	mg/L	2.10215210	0.00851822	156.41160999	0.71005480	33.78		Y (371.029 nm)	Linear	1.00000	Fitted	1.64812354958153	83.3571534823293
Pb 220.353	Pb	n	0.00147308	0.00147308	mg/L	23.04874411	0.00075955	51.56204011	7.36563588	31.96	2.98465779	Y (371.029 nm)	Linear	0.99996	Off-Peak Right	8.7904855980282	9697.35117549715
S 181.972	S	n	0.01770106	0.01770106	mg/L	166.35692667	0.00258862	14.62412032	2.85188169	1.71		Y (371.029 nm)	Linear	1.00000	Fitted	146.850282567833	1101.69803328986
Sb 206.834	Sb	nu	0.00184395	0.00184395	mg/L	-9.70241669	0.00303619	164.65712938	10.22447511	> 100.00	8.62557387	Y (371.029 nm)	Linear	1.00000	Off-Peak Right	-15.9117133409929	3367.53575285838
Se 196.026	Se	nu	0.00096902	0.00096902	mg/L	30.95265551	0.00127054	131.11615099	4.09322782	13.22	4.20661147	Y (371.029 nm)	Linear	0.99998	Fitted	27.8307216598546	3221.63326008721
Si 251.611	Si	n	0.00662973	0.00662973	mg/L	44.32810874	0.00146340	22.07333362	4.79554849	10.82		Y (371.029 nm)	Linear	1.00000	Fitted	22.6020430920816	3276.9840292261
Sn 189.925	Sn	n	0.00373667	0.00373667	mg/L	70.54615431	0.00091899	24.59391994	8.38483019	11.89	21.00137491	Y (371.029 nm)	Linear	0.99997	Fitted	36.4524115141962	9123.93613231723
Sr 421.552	Sr-R	n	0.00067522	0.00067522	mg/L	154.28615656	0.00003273	4.84749866	5.41190464	3.51	1.42199103	Y-R (371.029 nm)	Linear	0.99999	Fitted	42.6138462473612	165342.361975886
Ti 334.941	Ti	n	0.00172981	0.00172981	mg/L	393.49386961	0.00031443	18.17683194	61.16402608	15.54	0.54647959	Y (371.029 nm)	Linear	1.00000	Fitted	56.9986939595929	194526.39140306
Tl 190.794	Tl	n	0.00179370	0.00179370	mg/L	6.55360817	0.00098861	55.11575788	3.86363802	58.95	23.79026069	Y (371.029 nm)	Linear	0.99997	Fitted	-0.456542733689091	3908.14442568166
V 292.401	V	n	0.00154282	0.00154282	mg/L	3.45258500	0.00040805	26.44806028	11.10611725	> 100.00	20.40215745	Y (371.029 nm)	Linear	1.00000	Off-Peak Left+Right	-38.5369546944112	27217.8178670565
Zn 206.200	Zn	n	0.01603253	0.01603253	mg/L	505.38991350	0.00296579	18.49859323	82.48965928	16.32	10.27060352	Y (371.029 nm)	Linear	0.99974	Fitted	59.4300400171974	27813.693059134
Y 371.029	Y		1.02	1.02	Ratio	127200.21	0.01	0.82	1039.54	0.82		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.01	1.01	Ratio	22141.74	0.01	0.70	153.89	0.70		-	-	-	Fitted	-	-

Attachment 4

ProUCL Input and Output Files



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 8
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
DOOR-S-15.4GW-EXT-10 TO 11-240530-CB	130	1
DOOR-S-15.2GE-DG-10 TO 23-240530-G	240	1
DOOR-S-15.8GE-DG-10 TO 23-240530-G	250	1
DOOR-S-15.2GW-DG-10 TO 23-240530-G	200	1
DOOR-S-15.6GW-DG-10 TO 23-240530-G	270	1
ARCH-SGE-DG-2.5 TO 24-240530-LA	210	1
DOOR-S-15.5GE-PS-24-240530-G	71	1
DOOR-S-15.7GE-EXT-9 TO 10-240530-CB	150	1
DOOR-S-15.9GE-DG-10 TO 23-240530-LA	190	1
DOOR-S-15.5GW-PS-24-240530-G	40	1
DOOR-S-15.6GE-DG-10 TO 23-240530-LA	110	1
DOOR-S-15.8GW-INT-23 TO 24-240530-CB	120	1
DOOR-S-15.2GW-INT-23 TO 24-240530-CB	400	1
ARCH-SGW-DG-3 TO 23-240530-LA	350	1
DOOR-S-15.2GE-PS-23-240530-G	190	1
DOOR-S-15.6GE-PS-23-240530-G	140	1
DOOR-S-15.6GW-PS-23-240530-G	180	1
DOOR-S-15.8GW-PS-23-240530-G	210	1
DOOR-S-15.6GE-EXT-8 TO 9-240530-DUP-CB	340	1
DOOR-S-15.8GE-INT-22 TO 23-240530-CB	340	1
DOOR-S-15.9GW-DG-9 TO 22-240530-LA	300	1
DOOR-S-15.2GE-PS-22-240530-G	160	1
DOOR-S-15.4GE-PS-22-240530-G	220	1
DOOR-S-15.4GW-PS-22-240530-G	160	1
DOOR-S-15.8GW-PS-22-240530-G	210	1
DOOR-S-15.9GW-INT-21 TO 22-240530-CB	340	1
DOOR-S-15.7GW-INT-21 TO 22-240530-CB	220	1
DOOR-S-15.5GW-EXT-7 TO 8-240530-CB	310	1
ARCH-SGW-DG-4.5 TO 19-240605-LA	69	1
ARCH-SGE-INT-4.5 TO 5-240530-CB	380	1
DOOR-S-15.1GE-DG-8 TO 21-240530-LA	410	1
DOOR-S-15.4GE-DG-8 TO 21-240605-LA	22	1
DOOR-S-15.6GW-DG-8 TO 21-240605-LA	13	1
DOOR-S-15.1GE-EXT-12 TO 13-240530-CB	350	1
DOOR-S-15.7GW-DG-13 TO 27-240530-LA	150	1
DOOR-S-15.1GW-DG-13 TO 27-240530-LA	110	1
DOOR-S-15.3GE-DG-12 TO 26-240530-LA	140	1
DOOR-S-15.5GE-DG-12 TO 26-240530-LA	72	1
DOOR-S-15.9GE-INT-26 TO 27-240530-DUP-CB	280	1
DOOR-S-15.3GW-INT-26 TO 27-240530-CB	360	1



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 8
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
DOOR-S-15.2GE-EXT-10 TO 11-240530-CB	150	1
DOOR-S-15.7GE-DG-11 TO 25-240530-LA	270	1
DOOR-S-15.7GW-DG-11 TO 25-240530-LA	140	1
DOOR-S-15.4GE-INT-18 TO 19-240627-CB	240	1
ARCH-SGE-INT-8 TO 9-240627-CB	210	1
DOOR-S-15.5GE-PS-21-240702-G	12	1
ARCH-SGE-DG-6 TO 16-240627-LA	140	1
DOOR-S-15.3GE-DG-6 TO 20-240627-LA	300	1
DOOR-S-15.1GE-EXT-5 TO 6-240627-DUP-CB	300	1
DOOR-S-15.2GE-PS-19-240627-G	110	1
DOOR-S-15.5GE-PS-21-240702-G	12	1
DOOR-S-15.1GW-DG-6 TO 19-240718-LA	100	1
DOOR-S-15.2GW-PS-19-240718-G	130	1
DOOR-S-15.6GW-INT-17 TO 18-240718-CB	190	1
DOOR-S-15.5GW-PS-21-240718-G	70	1
ARCH-SGW-DG-5.5 TO 17-240718-LA	250	1
DOOR-S-15.3GW-DG-7 TO 20-240718-LA	240	1
DOOR-S-15.4GW-PS-20-240718-G	110	1
DOOR-S-15.3GW-INT-19 TO 20-240718-CB	140	1
DOOR-S-15.9GE-INT-19 TO 20-240731-CB	65	1
DOOR-S-15.7GE-EXT-5 TO 6-240731-CB	80	1
DOOR-S-15.7GW-INT-18 TO 19-240731-CB	100	1
DOOR-S-15.9GW-DG-5 TO 18-240731-LA	55	1
DOOR-S-15.7GE-PS-18-240731-G	52	1
DOOR-S-15.8GW-PS-21-240731-G	75	1
DOOR-S-15.6GE-DG-7 TO 20-240731-LA	150	1
DOOR-S-15.7GE-INT-20 TO 21-240731-CB	30	1
DOOR-S-15.8GW-DG-6 TO 20-240731-LA	90	1
DOOR-S-15.8GE-DG-6 TO 19-240731-DUP-LA	120	1



Attachment 4
Data Summary Submittal for the
Low Occupancy Area of Zone 8
ProUCL Lead Output File

UCL Statistics for Data Sets with Non-Detects	
User Selected Options	
Date/Time of Computation	ProUCL 5.2 9/3/2024 2:15:52 PM
From File	Z8_LO_Lead_UCL_Input_20240903.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LeadResults

General Statistics			
Total Number of Observations	69	Number of Distinct Observations	39
		Number of Missing Observations	0
Minimum	12	Mean	178.8
Maximum	410	Median	150
SD	105.3	Std. Error of Mean	12.67
Coefficient of Variation	0.589	Skewness	0.408

Normal GOF Test		
Shapiro Wilk Test Statistic	0.946	Shapiro Wilk GOF Test
1% Shapiro Wilk P Value	0.00995	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.115	Lilliefors GOF Test
1% Lilliefors Critical Value	0.123	Data appear Normal at 1% Significance Level
Data appear Approximate Normal at 1% Significance Level		

Assuming Normal Distribution			
95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	199.9	95% Adjusted-CLT UCL (Chen-1995)	200.3
		95% Modified-t UCL (Johnson-1978)	200

Gamma GOF Test			
A-D Test Statistic	0.629	Anderson-Darling Gamma GOF Test	
5% A-D Critical Value	0.762	Detected data appear Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.0769	Kolmogorov-Smirnov Gamma GOF Test	
5% K-S Critical Value	0.108	Detected data appear Gamma Distributed at 5% Significance Level	
Detected data appear Gamma Distributed at 5% Significance Level			

Gamma Statistics			
k hat (MLE)	2.187	k star (bias corrected MLE)	2.102
Theta hat (MLE)	81.76	Theta star (bias corrected MLE)	85.09
nu hat (MLE)	301.8	nu star (bias corrected)	290
MLE Mean (bias corrected)	178.8	MLE Sd (bias corrected)	123.3
		Approximate Chi Square Value (0.05)	251.6
Adjusted Level of Significance	0.0465	Adjusted Chi Square Value	250.8

Assuming Gamma Distribution			
95% Approximate Gamma UCL	206.1	95% Adjusted Gamma UCL	206.8



Attachment 4
Data Summary Submittal for the
Low Occupancy Area of Zone 8
ProUCL Lead Output File

Lognormal GOF Test		
Shapiro Wilk Test Statistic	0.884	Shapiro Wilk Lognormal GOF Test
10% Shapiro Wilk P Value	4.9996E-7	Data Not Lognormal at 10% Significance Level
Lilliefors Test Statistic	0.124	Lilliefors Lognormal GOF Test
10% Lilliefors Critical Value	0.0975	Data Not Lognormal at 10% Significance Level
Data Not Lognormal at 10% Significance Level		

Lognormal Statistics			
Minimum of Logged Data	2.485	Mean of logged Data	4.941
Maximum of Logged Data	6.016	SD of logged Data	0.821

Assuming Lognormal Distribution			
95% H-UCL	242.1	90% Chebyshev (MVUE) UCL	260.2
95% Chebyshev (MVUE) UCL	289.8	97.5% Chebyshev (MVUE) UCL	331
99% Chebyshev (MVUE) UCL	411.8		

Nonparametric Distribution Free UCL Statistics	
Data appear to follow a Discernible Distribution	

Nonparametric Distribution Free UCLs			
95% CLT UCL	199.7	95% BCA Bootstrap UCL	200.4
95% Standard Bootstrap UCL	199.9	95% Bootstrap-t UCL	200.7
95% Hall's Bootstrap UCL	200.4	95% Percentile Bootstrap UCL	199.4
90% Chebyshev(Mean, Sd) UCL	216.8	95% Chebyshev(Mean, Sd) UCL	234
97.5% Chebyshev(Mean, Sd) UCL	257.9	99% Chebyshev(Mean, Sd) UCL	304.9

Suggested UCL to Use			
95% Student's-t UCL	199.9		

When a data set follows an approximate distribution passing only one of the GOF tests,
it is suggested to use a UCL based upon a distribution passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 8
ProUCL PCBs Input File

Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	d_Aroclor 1016	d_Aroclor 1221	d_Aroclor 1232	d_Aroclor 1242	d_Aroclor 1248	d_Aroclor 1254	d_Aroclor 1260	d_Aroclor 1262	d_Aroclor 1268
DOOR-S-15.1GE-EXT-12 TO 13-240530-CB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.7GW-DG-13 TO 27-240530-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.1GW-DG-13 TO 27-240530-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.3GE-DG-12 TO 26-240530-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.5GE-DG-12 TO 26-240530-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.9GE-INT-26 TO 27-240530-CB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.3GW-INT-26 TO 27-240530-CB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.2GE-EXT-10 TO 11-240530-CB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.7GE-DG-11 TO 25-240530-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.7GW-DG-11 TO 25-240530-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.5GE-PS-21-240627-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
ARCH-SGE-DG-6 TO 16-240627-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.3GE-DG-6 TO 20-240627-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.1GE-EXT-5 TO 6-240627-CB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.2GE-PS-19-240627-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.5GE-PS-21-240708-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
ARCH-SGE-DG-6 TO 16-240708-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.3GE-DG-6 TO 20-240708-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.1GE-EXT-5 TO 6-240708-CB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.2GE-PS-19-240708-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.5GW-PS-21-240718-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
ARCH-SGW-DG-5.5 TO 17-240718-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.3GW-DG-7 TO 20-240718-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.4GW-PS-20-240718-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.3GW-INT-19 TO 20-240718-CB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.8GW-PS-21-240731-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.6GE-DG-7 TO 20-240731-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.7GE-INT-20 TO 21-240731-CB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.8GW-DG-6 TO 20-240731-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
DOOR-S-15.8GE-DG-6 TO 19-240731-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0



Attachment 4
Data Summary Submittal for the
Low Occupancy Area of Zone 8
ProUCL PCB Output File

UCL Statistics for Data Sets with Non-Detects	
User Selected Options	
Date/Time of Computation	ProUCL 5.2 9/3/2024 2:17:58 PM
From File	Z8_LO_PCB_UCL_Input_20240903.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	30	
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	30	
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.



Attachment 4
Data Summary Submittal for the
Low Occupancy Area of Zone 8
ProUCL PCB Output File

Aroclor 1232

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	30
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	30
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	30
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.



Attachment 4
Data Summary Submittal for the
Low Occupancy Area of Zone 8
ProUCL PCB Output File

Aroclor 1254

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	30
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	30
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	30
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.



Attachment 4
Data Summary Submittal for the
Low Occupancy Area of Zone 8
ProUCL PCB Output File

Aroclor 1268

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	30
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

June 19, 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 June 12, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59182:

SDG #

509116
509117
509627

Fraction

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

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's.

**Automated Data Review Data Validation Report
Hangar 1 NTCRA**

Sample Delivery Groups

509116

509117

509627

June 19, 2024

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the May through June 2024 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082

Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082

One field blank was collected and analyzed. No contaminants were found.

6010B

Three media blanks were collected and analyzed. No contaminants were found.

Three field blanks were collected and analyzed. Three field blanks had detections for lead. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports are presented in Enclosure I.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082

One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B

Six field duplicate pairs were collected and analyzed. Six field duplicate pairs had detections for lead. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/19/2024)

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Lab Reporting Batch: 509116						
Method: 6010B						
240530-L-FIELDBLANK1-LO	509116-037	WIPE	FB	3050B	5/30/2024 9:45:00 AM	S2AVE
240530-L-FIELDBLANK2-LO	509116-039	WIPE	FB	3050B	5/30/2024 7:15:00 AM	S2AVE
240530-L-FIELDBLANK3-LO	509116-041	WIPE	FB	3050B	5/30/2024 7:18:00 AM	S2AVE
240530-L-MEDBLANK1-LO	509116-038	WIPE	FB	3050B	5/30/2024 1:01:00 PM	S2AVE
240530-L-MEDBLANK2-LO	509116-040	WIPE	FB	3050B	5/30/2024 1:02:00 PM	S2AVE
240530-L-MEDBLANK3-LO	509116-042	WIPE	FB	3050B	5/30/2024 1:03:00 PM	S2AVE
ARCH-SGE-DG-2.5 TO 24-240530-L-LA	509116-006	WIPE	N	3050B	5/30/2024 10:55:00 AM	S2AVE
ARCH-SGE-INT-4.5 TO 5-240530-L-CB	509116-032	WIPE	N	3050B	5/30/2024 10:20:00 AM	S2AVE
ARCH-SGW-DG-3 TO 23-240530-L-LA	509116-015	WIPE	N	3050B	5/30/2024 7:50:00 AM	S2AVE
ARCH-SGW-DG-4.5 TO 19-240530-L-LA	509116-031	WIPE	N	3050B	5/30/2024 10:05:00 AM	S2AVE
DOOR-S-15.1GE-DG-8 TO 21-240530-L-LA	509116-033	WIPE	N	3050B	5/30/2024 10:25:00 AM	S2AVE
DOOR-S-15.2GE-DG-10 TO 23-240530-L-G	509116-002	WIPE	N	3050B	5/30/2024 10:05:00 AM	S2AVE
DOOR-S-15.2GE- PS-22-240530-L-G	509116-024	WIPE	N	3050B	5/30/2024 9:15:00 AM	S2AVE
DOOR-S-15.2GE- PS-23-240530-L-G	509116-016	WIPE	N	3050B	5/30/2024 8:05:00 AM	S2AVE
DOOR-S-15.2GW-DG-10 TO 23-240530-L-G	509116-004	WIPE	N	3050B	5/30/2024 10:40:00 AM	S2AVE
DOOR-S-15.2GW-INT-23 TO 24-240530-L-CB	509116-014	WIPE	N	3050B	5/30/2024 7:40:00 AM	S2AVE
DOOR-S-15.4GE-DG-8 TO 21-240530-L-LA	509116-034	WIPE	N	3050B	5/30/2024 10:35:00 AM	S2AVE
DOOR-S-15.4GE- PS-22-240530-L-G	509116-025	WIPE	N	3050B	5/30/2024 9:20:00 AM	S2AVE
DOOR-S-15.4GW-EXT-10 TO 11-240530-L-CB	509116-001	WIPE	N	3050B	5/30/2024 9:55:00 AM	S2AVE
DOOR-S-15.4GW- PS-22-240530-L-G	509116-026	WIPE	N	3050B	5/30/2024 9:35:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/19/2024)

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 6010B						
DOOR-S-15.5GE-PS-24-240530-L-G	509116-007	WIPE	N	3050B	5/30/2024 11:10:00 AM	S2AVE
DOOR-S-15.5GW-EXT-7 TO 8-240530-L-CB	509116-030	WIPE	N	3050B	5/30/2024 10:55:00 AM	S2AVE
DOOR-S-15.5GW-PS-24-240530-L-G	509116-011	WIPE	N	3050B	5/30/2024 11:40:00 AM	S2AVE
DOOR-S-15.6GE-DG-10 TO 23-240530-L-LA	509116-012	WIPE	N	3050B	5/30/2024 7:25:00 AM	S2AVE
DOOR-S-15.6GE-EXT-8 TO 9-240530-L-CB	509116-020	WIPE	N	3050B	5/30/2024 8:35:00 AM	S2AVE
DOOR-S-15.6GE-EXT-8 TO 9-240530-L-DUP-CB	509116-021	WIPE	FD	3050B	5/30/2024 8:40:00 AM	S2AVE
DOOR-S-15.6GE-PS-23-240530-L-G	509116-017	WIPE	N	3050B	5/30/2024 8:15:00 AM	S2AVE
DOOR-S-15.6GW-DG-10 TO 23-240530-L-G	509116-005	WIPE	N	3050B	5/30/2024 10:30:00 AM	S2AVE
DOOR-S-15.6GW-DG-8 TO 21-240530-L-DUP-LA	509116-036	WIPE	FD	3050B	5/30/2024 10:45:00 AM	S2AVE
DOOR-S-15.6GW-DG-8 TO 21-240530-L-LA	509116-035	WIPE	N	3050B	5/30/2024 10:40:00 AM	S2AVE
DOOR-S-15.6GW-PS-23-240530-L-G	509116-018	WIPE	N	3050B	5/30/2024 8:25:00 AM	S2AVE
DOOR-S-15.7GE-EXT-9 TO 10-240530-L-CB	509116-008	WIPE	N	3050B	5/30/2024 11:20:00 AM	S2AVE
DOOR-S-15.7GW-INT-21 TO 22-240530-L-CB	509116-029	WIPE	N	3050B	5/30/2024 9:50:00 AM	S2AVE
DOOR-S-15.8GE-DG-10 TO 23-240530-L-G	509116-003	WIPE	N	3050B	5/30/2024 10:20:00 AM	S2AVE
DOOR-S-15.8GE-INT-22 TO 23-240530-L-CB	509116-022	WIPE	N	3050B	5/30/2024 8:45:00 AM	S2AVE
DOOR-S-15.8GW-INT-23 TO 24-240530-L-CB	509116-013	WIPE	N	3050B	5/30/2024 7:35:00 AM	S2AVE
DOOR-S-15.8GW-PS-22-240530-L-G	509116-027	WIPE	N	3050B	5/30/2024 9:25:00 AM	S2AVE
DOOR-S-15.8GW-PS-23-240530-L-G	509116-019	WIPE	N	3050B	5/30/2024 8:20:00 AM	S2AVE
DOOR-S-15.9GE-DG-10 TO 23-240530-L-DUP-LA	509116-010	WIPE	FD	3050B	5/30/2024 11:25:00 AM	S2AVE
DOOR-S-15.9GE-DG-10 TO 23-240530-L-LA	509116-009	WIPE	N	3050B	5/30/2024 11:25:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/19/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
Method: 6010B						
DOOR-S-15.9GW-DG-9 TO 22-240530-L-LA	509116-023	WIPE	N	3050B	5/30/2024 8:55:00 AM	S2AVE
DOOR-S-15.9GW-INT-21 TO 22-240530-L-CB	509116-028	WIPE	N	3050B	5/30/2024 9:45:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/19/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 509117

Method: 6010B

DOOR-S-15.1GE-EXT-12 TO 13-240530-L-CB	509117-002	WIPE	N	3050B	5/30/2024 7:15:00 AM	S3VEM
DOOR-S-15.1GW-DG-13 TO 27-240530-L-LA	509117-006	WIPE	N	3050B	5/30/2024 7:50:00 AM	S3VEM
DOOR-S-15.2GE-EXT-10 TO 11-240530-L-CB	509117-019	WIPE	N	3050B	5/30/2024 9:20:00 AM	S3VEM
DOOR-S-15.3GE-DG-12 TO 26-240530-L-LA	509117-009	WIPE	N	3050B	5/30/2024 8:00:00 AM	S3VEM
DOOR-S-15.3GW-INT-26 TO 27-240530-L-CB	509117-016	WIPE	N	3050B	5/30/2024 8:55:00 AM	S3VEM
DOOR-S-15.3GW-INT-26 TO 27-240530-L-DUP-CB	509117-017	WIPE	FD	3050B	5/30/2024 8:55:00 AM	S3VEM
DOOR-S-15.5GE-DG-12 TO 26-240530-L-LA	509117-011	WIPE	N	3050B	5/30/2024 8:20:00 AM	S3VEM
DOOR-S-15.7GE-DG-11 TO 25-240530-L-LA	509117-021	WIPE	N	3050B	5/30/2024 9:30:00 AM	S3VEM
DOOR-S-15.7GW-DG-11 TO 25-240530-L-LA	509117-023	WIPE	N	3050B	5/30/2024 9:40:00 AM	S3VEM
DOOR-S-15.7GW-DG-13 TO 27-240530-L-LA	509117-004	WIPE	N	3050B	5/30/2024 7:30:00 AM	S3VEM
DOOR-S-15.9GE-INT-26 TO 27-240530-L-CB	509117-013	WIPE	N	3050B	5/30/2024 8:30:00 AM	S3VEM
DOOR-S-15.9GE-INT-26 TO 27-240530-L-DUP-CB	509117-014	WIPE	FD	3050B	5/30/2024 8:30:00 AM	S3VEM

Method: 8082

240530-P-FIELDBLANK1-LO	509117-024	WIPE	FB	3546	5/30/2024 9:45:00 AM	S3VEM
DOOR-S-15.1GE-EXT-12 TO 13-240530-P-CB	509117-001	WIPE	N	3546	5/30/2024 7:15:00 AM	S3VEM
DOOR-S-15.1GW-DG-13 TO 27-240530-P-LA	509117-005	WIPE	N	3546	5/30/2024 7:50:00 AM	S3VEM
DOOR-S-15.2GE-EXT-10 TO 11-240530-P-CB	509117-018	WIPE	N	3546	5/30/2024 9:20:00 AM	S3VEM
DOOR-S-15.3GE-DG-12 TO 26-240530-P-DUP-LA	509117-008	WIPE	FD	3546	5/30/2024 8:00:00 AM	S3VEM
DOOR-S-15.3GE-DG-12 TO 26-240530-P-LA	509117-007	WIPE	N	3546	5/30/2024 8:00:00 AM	S3VEM
DOOR-S-15.3GW-INT-26 TO 27-240530-P-CB	509117-015	WIPE	N	3546	5/30/2024 8:55:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/19/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
Method: 8082						
DOOR-S-15.5GE-DG-12 TO 26-240530-P-LA	509117-010	WIPE	N	3546	5/30/2024 8:20:00 AM	S3VEM
DOOR-S-15.7GE-DG-11 TO 25-240530-P-LA	509117-020	WIPE	N	3546	5/30/2024 9:30:00 AM	S3VEM
DOOR-S-15.7GW-DG-11 TO 25-240530-P-LA	509117-022	WIPE	N	3546	5/30/2024 9:40:00 AM	S3VEM
DOOR-S-15.7GW-DG-13 TO 27-240530-P-LA	509117-003	WIPE	N	3546	5/30/2024 7:30:00 AM	S3VEM
DOOR-S-15.9GE-INT-26 TO 27-240530-P-CB	509117-012	WIPE	N	3546	5/30/2024 8:30:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/19/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 509627

Method: 6010B

ARCH-SGW-DG-4.5 TO 19-240605-L-LA	509627-001	WIPE	N	3050B	6/5/2024 7:00:00 AM	S2AVE
DOOR-S-15.4GE-DG-8 TO 21-240605-L-LA	509627-002	WIPE	N	3050B	6/5/2024 7:30:00 AM	S2AVE
DOOR-S-15.6GW-DG-8 TO 21-240605-L-DUP-LA	509627-004	WIPE	FD	3050B	6/5/2024 7:15:00 AM	S2AVE
DOOR-S-15.6GW-DG-8 TO 21-240605-L-LA	509627-003	WIPE	N	3050B	6/5/2024 7:15:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (6/19/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Validation Label Legend

<i>Label Code</i>	<i>Label Description</i>	<i>EPA Level</i>
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: 509116

EDD Filename: 509116

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 509117

EDD Filename: 509117

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 509627

EDD Filename: 509627

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

509116

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59182A4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 509116

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 6/19/2024

Page: 1 of 2

Reviewer: BM

2nd Reviewer: Mh

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 1A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FIELD BLANK = 37.39.41 MED BLANK = 38.40.42
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 = 10/9, 21/20, 36/35
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	DOOR-S-15.4GW-EXT-10 TO 11-240530-L-CB	509116-001	Wipe	05/30/24
2	DOOR-S-15.2GE-DG-10 TO 23-240530-L-G	509116-002	Wipe	05/30/24
3	DOOR-S-15.8GE-DG-10 TO 23-240530-L-G	509116-001	Wipe	05/30/24
4	DOOR-S-15.2GW-DG-10 TO 23-240530-L-G	509116-002	Wipe	05/30/24
5	DOOR-S-15.6GW-DG-10 TO 23-240530-L-G	509116-005	Wipe	05/30/24
6	ARCH-SGE-DG-2.5-TO 24-240530-L-LA	509116-005	Wipe	05/30/24
7	DOOR-S-15.5GE-PS-24-240530-L-G	509116-005	Wipe	05/30/24
8	DOOR-S-15.7GE-EXT-9 TO 10-240530-L-CB	509116-001	Wipe	05/30/24
9	DOOR-S-15.9GE-DG-10 TO 23-240530-L-LA	509116-001	Wipe	05/30/24
10	DOOR-S-15.9GE-DG-10 TO 23-240530-L-DUP-LA	509116-010	Wipe	05/30/24
11	DOOR-S-15.5GW-PS-24-240530-L-G	509116-011	Wipe	05/30/24
12	DOOR-S-15.9GE-DG-10 TO 23-240530-L-LA	509116-002	Wipe	05/30/24
13	DOOR-S-15.8GW-INT-23 TO 24-240530-L-CB	509116-013	Wipe	05/30/24
14	DOOR-S-15.8GW-INT-23 TO 24-240530-L-CB	509116-013	Wipe	05/30/24
15	ARCH-SGW-DG-3 TO 23-240530-L-LA	509116-013	Wipe	05/30/24
16	DOOR-S-15.2GE-PS-23-240530-L-G	509116-016	Wipe	05/30/24
17	DOOR-S-15.6GE-PS-23-240530-L-G	509116-017	Wipe	05/30/24

LDC #: 59182A4b

VALIDATION COMPLETENESS WORKSHEET

Date: 6/19/2024

SDG #: 509116

Stage 2A

Page: 2 of 2

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: MB

2nd Reviewer: MB

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	DOOR-S-15.6GW-PS-23-240530-L-G	509116-018	Wipe	05/30/24
19	DOOR-S-15.8GW-PS-23-240530-L-G	509116-019	Wipe	05/30/24
20	DOOR-S-15.6GE-EXT-8 TO 9-240530-L-CB	509116-020	Wipe	05/30/24
21	DOOR-S-15.6GE-EXT-8 TO 9-240530-L-DUP-CB	509116-021	Wipe	05/30/24
22	DOOR-S-15.8GE-INT-22 TO 23-240530-L-CB	509116-022	Wipe	05/30/24
23	DOOR-S-15.9GW-DG-9 TO 22-240530-L-LA	509116-021	Wipe	05/30/24
24	DOOR-S-15.2GE-PS-22-240530-L-G	509116-024	Wipe	05/30/24
25	DOOR-S-15.4GE-PS-22-240530-L-G	509116-018	Wipe	05/30/24
26	DOOR-S-15.4GW-PS-22-240530-L-G	509116-024	Wipe	05/30/24
27	DOOR-S-15.8GW-PS-22-240530-L-G	509116-021	Wipe	05/30/24
28	DOOR-S-15.9GW-INT-21 TO 22-240530-L-CB	509116-021	Wipe	05/30/24
29	DOOR-S-15.7GW-INT-21 TO 22-240530-L-CB	509116-020	Wipe	05/30/24
30	DOOR-S-15.5GW-EXT-7 TO 8-240530-L-CB	509116-020	Wipe	05/30/24
31	ARCH-SGW-DG-4.5 TO 19-240530-L-LA	509116-024	Wipe	05/30/24
32	ARCH-SGE-INT-4.5 TO 5-240530-L-CB	509116-020	Wipe	05/30/24
33	DOOR-S-15.1GE-DG-8 TO 21-240530-L-LA	509116-021	Wipe	05/30/24
34	DOOR-S-15.4GE-DG-8 TO 21-240530-L-LA	509116-024	Wipe	05/30/24
35	DOOR-S-15.9GW-DG-9 TO 22-240530-L-LA	509116-035	Wipe	05/30/24
36	DOOR-S-15.6GW-DG-8 TO 21-240530-L-DUP-LA	509116-024	Wipe	05/30/24
37	240530-L-FIELDBLANK1-LO	509116-035	Wipe	05/30/24
38	240530-L-MEDBLANK1-LO	509116-024	Wipe	05/30/24
39	240530-L-FIELDBLANK2-LO	509116-020	Wipe	05/30/24
40	240530-L-MEDBLANK2-LO	509116-035	Wipe	05/30/24
41	240530-L-FIELDBLANK1-LO	509116-041	Wipe	05/30/24
42	240530-L-MEDBLANK1-LO	509116-041	Wipe	05/30/24
43				
44				
45				
46				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 509116

Laboratory: Enthalpy Orange

EDD Filename: Prep509116

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B

Matrix: WIPE

<i>Analyte</i>	<i>Sample</i>	<i>Concentration (ug/ft2)</i>	<i>Flag</i>
LEAD	240530-L-FIELDBLANK1-LO	0.68	No Qualifiers Applied
	240530-L-FIELDBLANK2-LO	1.1	
	240530-L-FIELDBLANK3-LO	0.68	

Field Duplicate RPD Report

Lab Reporting Batch ID: 509116

Laboratory: Enthalpy Orange

EDD Filename: 509116

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.6GE-EXT-8 TO 9-240530-L-	DOOR-S-15.6GE-EXT-8 TO 9-240530-L-DUP-CB			
LEAD	260	340	27	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.6GW-DG-8 TO 21-240530-L-LA	DOOR-S-15.6GW-DG-8 TO 21-240530-L-DUP-			
LEAD	470	590	23	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.9GE-DG-10 TO 23-240530-	DOOR-S-15.9GE-DG-10 TO 23-240530-L-DUP-			
LEAD	190	120	45	100.00	No Qualifiers Applied

Quality Control Outlier Reports

509117

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59182B3b **VALIDATION COMPLETENESS WORKSHEET**
SDG #: 509117 Stage 3
Laboratory: Enthalpy Analytical, Orange, CA

Date: 6/14/24
Page: 1 of 1
Reviewer: [Signature]
2nd Reviewer: [Signature]

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 / Δ	
II.	Initial calibration/ICV	Δ / Δ	% PSD ≤ 20 ICV ≤ 15
III.	Continuing calibration	Δ	CCV ≤ 15
IV.	Laboratory Blanks	Δ	
V.	Field blanks	ND	FB = 12
VI.	Surrogate spikes / 15	Δ / Δ	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	Δ	res 10
IX.	Field duplicates	ND	D = 4, 5
X.	Target analyte quantitation	Δ	
XI.	Target analyte identification	Δ	
XII.	Overall assessment of data	Δ	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
 N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
 SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	DOOR-S-15.1GE-EXT-12 TO 13-240530-P-CB	509117-001	Wipe	05/30/24
2	DOOR-S-15.7GW-DG-13 TO 27-240530-P-LA	509117-001	Wipe	05/30/24
3	DOOR-S-15.7GW-DG-13 TO 27-240530-P-LA	509117-001	Wipe	05/30/24
4	DOOR-S-15.3GE-DG-12 TO 26-240530-P-LA 0	509117-007	Wipe	05/30/24
5	DOOR-S-15.3GE-DG-12 TO 26-240530-P-DUP-LA 0	509117-008	Wipe	05/30/24
6	DOOR-S-15.3GE-DG-12 TO 26-240530-P-LA 0	509117-010	Wipe	05/30/24
7	DOOR-S-15.9GE-INT-26 TO 27-240530-P-CB	509117-010	Wipe	05/30/24
8	DOOR-S-15.3GW-INT-26 TO 27-240530-P-CB	509117-015	Wipe	05/30/24
9	DOOR-S-15.2GE-EXT-10 TO 11-240530-P-CB	509117-010	Wipe	05/30/24
10	DOOR-S-15.7GE-DG-11 TO 25-240530-P-LA	509117-000	Wipe	05/30/24
11	DOOR-S-15.7GW-DG-11 TO 25-240530-P-LA	509117-022	Wipe	05/30/24
12	240530-P-FIELDBLANK1-LO	509117-022	Wipe	05/30/24
13				

Notes:

341640					

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59182B3b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: PJ

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) $\leq 20\%$ ^{P1} 15%?	☒	☐	☐	
III. Continuing calibration				
Was a continuing calibration analyzed daily?	☒	☐	☐	
Were all percent differences (%D) $\leq 20\%$ ^{P1} 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 #: 59182 B3h

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: F7

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	☒	☐	☐	
Were target analytes detected in the field duplicates?	☐	☒	☐	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	☒	☐	☐	
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	☒	☐	☐	
Were relative percent difference (RPD) of the results between two columns $\leq 40\%$?	☒	☐	☐	All ND
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	☒	☐	☐	
Were manual integrations reviewed and found acceptable?	☒	☐	☐	
Did the laboratory provide before and after integration printouts?	☐	☐	☒	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	☒	☐	☐	

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$CF = A/C$$

$$\text{average CF} = \text{sum of the CF/number of standards}$$

$$\%RSD = 100 * (S/X)$$

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	5/28/2024	Aroclor 1260-1 ChA	0.0646	0.0646	0.0628	0.0628	16	16
	GC06		Aroclor 1260-1 ChB	0.0681	0.0681	0.0664	0.0664	17	17

a

LDC #: 59182 B3b

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

 Page: 1 of 1
 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:

$$\% \text{ Difference} = 100 * (\text{ave. CF} - \text{CF}) / \text{ave. CF}$$

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	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	ccv	6/3/24 1415	Aroclor 1260 chA	500.0	432.1	432.1	14	14
			↓ chB	↓	434.4	434.4	13	13
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 #: 59102 B3b

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

 Page: 1 of 1
 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: 9

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50	42.5226	85	85	0
PCB	↓	↓	37.6908	75	75	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	Triphenyltin	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 #: 59182 B3b

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC}/\text{SA})$$
$$RPD = ((SSCLCS - SSCLCSD) * 2) / (SSCLCS + SSCLCSD) * 100$$

Where SSC = Spiked sample concentration

LCS = Laboratory Control Sample

SA = Spike added

LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 341640 ves 10

[illegible]

Comments:

LDC #: 59182B3b

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1
Reviewer: FT

METHOD: GC/MS-VOA (EPA SW 846 Method 8260) 8082

Y	N	N/A
Y	N	N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target analytes agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_s)(I_s)(DF)}{(A_{is})(RRF)(V_o)(\%S)}$$

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)

RRF = Relative response factor of the calibration standard.

V_o = Volume or weight of sample pruged in milliliters (ml) or grams (g).

Df = Dilution factor.

%S = Percent solids, applicable to soils and solid matrices only.

Example:

Sample I.D. 341640-LCS: Aroclor 1260

$$\text{Conc.} = \frac{427.68 \text{ (10)}}{(1) (1000)}$$
$$4.277 \text{ ug} / 100 \text{ cm}^2$$
[illegible]

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59182B4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 509117

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 6/14/24

Page: 1 of 1

Reviewer: JLC

2nd Reviewer: BEN

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	LC5 / LC5D
X.	Field Duplicates	SW	(6.7) (8.9)
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	DOOR-S-15.1GE-EXT-12 TO 13-240530-L-CB	509117-002	Wipe	05/30/24
2	DOOR-S-15.7GW-DG-13 TO 24-240530-L-LA	509117-002	Wipe	05/30/24
3	DOOR-S-15.1GW-DG-13 TO 27-240530-L-LA	509117-002	Wipe	05/30/24
4	DOOR-S-15.3GE-DG-12 TO 26-240530-L-LA	509117-009	Wipe	05/30/24
5	DOOR-S-15.5GE-DG-12 TO 26-240530-L-LA	509117-011	Wipe	05/30/24
6	DOOR-S-15.9GE-INT-26 TO 27-240530-L-CB	509117-013	Wipe	05/30/24
7	DOOR-S-15.9GE-INT-26 TO 27-240530-L-DUP-CB	509117-011	Wipe	05/30/24
8	DOOR-S-15.3GW-INT-26 TO 27-240530-L-CB	509117-016	Wipe	05/30/24
9	DOOR-S-15.3GW-INT-26 TO 27-240530-L-DUP-CB	509117-013	Wipe	05/30/24
10	DOOR-S-15.2GE-EXT-10 TO 11-240530-L-CB	509117-016	Wipe	05/30/24
11	DOOR-S-15.7GE-DG-11 TO 25-240530-L-LA	509117-021	Wipe	05/30/24
12	DOOR-S-15.7GW-DG-11 TO 25-240530-L-LA	509117-023	Wipe	05/30/24
13				
14				
15				

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-12	Wipe	6010B	Pb

Comments:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isotopes 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 specified by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identified 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: 509117

Laboratory: Enthalpy Orange

EDD Filename: 509117

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.3GW-INT-26 TO 27-240530-	DOOR-S-15.3GW-INT-26 TO 27-240530-L-			
LEAD	360	200	57	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.9GE-INT-26 TO 27-240530-	DOOR-S-15.9GE-INT-26 TO 27-240530-L-			
LEAD	360	280	20	100.00	No Qualifiers Applied

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (mg/L)		RPD (≤ 100)	Qualifiers (Parents Only)
	6	7		
Lead	230	280	20	

Analyte	Concentration (mg/L)		RPD (≤ 100)	Qualifiers (Parents Only)
	8	9		
Lead	360	200	57	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial 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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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	1.023	1.00	102	102	Y
CCV	ICP	↓	1.022	1.00	102	102	Y
LLCC	ICP						
ICSAB	ICP	↓	1.02	1.00	102	102	Y

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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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:

$$\text{RPD} = (\text{Absolute value}(S-D) \times 200) / (S+D)$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value } (I - \text{SDR})) \times 100 / (I)$$

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)
QC1157445	LCS	Pb	52.10	50.00	104	104	Y
NA	MS						
QC1157445,46	Duplicate	Pb	52.1	50.00	2	2	Y
NA	PDS						
NA	Serial dilution						

Sample Calculation Verification

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Analytes were recalculated and verified using the following equation:

Concentration = (Result from raw data x Final volume x Dilution factor) / (Initial volume)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (mL)	Reported Result (mg/ft^2)	Recalculated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	7.009	1	1	50	350	350	Y
2	↓	3.144	1	1.02	50	350	154	Y
3	↓	2.28	1	1.02	50	110	112	Y
4	↓	2.879	1	1.02	50	140	141	Y
3	↓	1.459	1	1.02	50	72	72	Y
6	↓	4.874	1	1.05	50	230	232	Y
7	↓	6.017	1	1.05	50	280	284	Y
8	↓	7.155	1	1	50	350	350	Y
9	↓	4.09	1	1	50	200	205	Y
10	↓	3.064	1	1	50	150	153	Y
11	↓	5.485	1	1.02	50	270	269	Y
12	↓	2.922	1	1.02	50	140	143	Y

Quality Control Outlier Reports

509627

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59182C4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 509627

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 6/19/2024

Page: 1 of 1

Reviewer: BN

2nd Reviewer: MZ

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD = 4/3
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-SGW-DG-4.5 TO 19-240605-L-LA	509627-001	Wipe	06/05/24
2	DOOR-S-15.4GE-DG-8 TO 21-240605-L-LA	509627-002	Wipe	06/05/24
3	DOOR-S-15.6GW-DG-8 TO 21-240605-L-LA	509627-002	Wipe	06/05/24
4	DOOR-S-15.6GW-DG-8 TO 21-240605-L-DUP-LA	509627-002	Wipe	06/05/24
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes: _____

Field Duplicate RPD Report

Lab Reporting Batch ID: 509627

Laboratory: Enthalpy Orange

EDD Filename: 509627

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.6GW-DG-8 TO 21-240605-L-LA	DOOR-S-15.6GW-DG-8 TO 21-240605-L-DUP-			
LEAD	13	8.8	39	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

6/19/2024 9:23:22 AM

ADR version 1.9.0.325

Page 1 of 1



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

July 31, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on July 11, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59343:

SDG #

Fraction

510949, 510950, 510951, 511162, 511383,
511384, 511385, 511602, 511603

Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A & 3 guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

LDC	SDG#	Received Date	(3) Due Date	Validation Level	PCBs (EPA 8082)	Pb (EPA 6010B)					
Matrix Type:					WP	WP					
A	510949	7/11/24	8/1/24	Stage 2A	0	3					
B	510950	7/11/24	8/1/24	Stage 3	0	5					
C	510951	7/11/24	8/1/24	Stage 3	0	6					
D	511162	7/11/24	8/1/24	Stage 2A	0	18					
E	511383	7/11/24	8/1/24	Stage 3	0	1					
F	511384	7/11/24	8/1/24	Stage 2A	0	7					
G	511385	7/11/24	8/1/24	Stage 3	0	5					
H	511602	7/11/24	8/1/24	Stage 3	7	0					
I	511603	7/11/24	8/1/24	Stage 3	5	0					
Total	PM: MG				12	45					

These sample counts do not include DLs, REs, MS/MSD, and DUPs.

Automated Data Review Data Validation Report Hangar 1 NTCRA

Sample Delivery Groups

510949

510950

510951

511162

511383

511384

511385

511602

611603

Only the highlighted SDGs contain samples
that were collected within the Low
Occupancy Area of Zone 8.

July 30, 2024

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the June through July 2024 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082

Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

An initial calibration was performed as required by the method.

For analytes where average calibration factors were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082

One field blank was collected and analyzed. No contaminants were found.

6010B

Two media blanks were collected and analyzed. No contaminants were found.

Two field blanks were collected and analyzed. The field blanks had detections for lead. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports are presented in Enclosure I.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082

One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B

Four field duplicate pairs were collected and analyzed. The field duplicate pairs had detections for lead. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 510949

Method: 6010B

240627-L-FIELDBLANK1-LO	510949-003	WIPE	FB	3050B	6/27/2024 7:31:00 AM	S2AVE
240627-L-MEDBLANK1-LO	510949-004	WIPE	FB	3050B	6/27/2024 11:06:00 AM	S2AVE
ARCH-SGE-INT-8 TO 9-240627-L-CB	510949-002	WIPE	N	3050B	6/27/2024 9:00:00 AM	S2AVE
DOOR-S-15.4GE-INT-18 TO 19-240627-L-CB	510949-001	WIPE	N	3050B	6/27/2024 8:50:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 510950

Method: 6010B

ARCH-SGE-DG-6 TO 16-240627-L-LA	510950-004	WIPE	N	3050B	6/27/2024 7:50:00 AM	S3VEM
DOOR-S-15.1GE-EXT-5 TO 6-240627-L-CB	510950-008	WIPE	N	3050B	6/27/2024 8:20:00 AM	S3VEM
DOOR-S-15.1GE-EXT-5 TO 6-240627-L-DUP-CB	510950-009	WIPE	FD	3050B	6/27/2024 8:20:00 AM	S3VEM
DOOR-S-15.2GE- PS-19-240627-L-G	510950-011	WIPE	N	3050B	6/27/2024 8:35:00 AM	S3VEM
DOOR-S-15.3GE-DG-6 TO 20-240627-L-LA	510950-006	WIPE	N	3050B	6/27/2024 8:10:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 510951

Method: 6010B

DOOR-S-15.1GE-DG-3 TO 17-240627-L-LA	510951-012	WIPE	N	3050B	6/27/2024 9:40:00 AM	S3VEM
DOOR-S-15.1GE-EXT-3 TO 4-240627-L-CB	510951-003	WIPE	N	3050B	6/27/2024 9:15:00 AM	S3VEM
DOOR-S-15.3GE-DG-4 TO 17-240627-L-DUP-LA	510951-006	WIPE	FD	3050B	6/27/2024 9:25:00 AM	S3VEM
DOOR-S-15.3GE-DG-4 TO 17-240627-L-LA	510951-005	WIPE	N	3050B	6/27/2024 9:25:00 AM	S3VEM
DOOR-S-15.3GE- PS-17-240627-L-G	510951-008	WIPE	N	3050B	6/27/2024 9:55:00 AM	S3VEM
DOOR-S-15.4GE- PS-17-240627-L-G	510951-010	WIPE	N	3050B	6/27/2024 10:00:00 AM	S3VEM

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 511162

Method: 6010B

240627-L-FIELDBLANK1-HO	511162-017	WIPE	FB	3050B	6/27/2024 7:30:00 AM	S2AVE
240627-L-MEDBLANK1-HO	511162-018	WIPE	FB	3050B	6/27/2024 11:04:00 AM	S2AVE
AFRAME-C14E-MED-L1-DN-C14.7-DG-240627-L-SS	511162-016	WIPE	N	3050B	6/27/2024 10:00:00 AM	S2AVE
AFRAME-C14E-MED-L1-UP-C14.1-DG-240627-L-SS	511162-008	WIPE	N	3050B	6/27/2024 9:10:00 AM	S2AVE
AFRAME-C14E-MED-L1-UP-C14.6-DG-240627-L-SS	511162-009	WIPE	N	3050B	6/27/2024 9:15:00 AM	S2AVE
AFRAME-SGE-LAT-L1-HS-3-240627-L-A	511162-010	WIPE	N	3050B	6/27/2024 8:50:00 AM	S2AVE
AFRAME-SGE-MED-L1-HS-3-240627-L-A	511162-011	WIPE	N	3050B	6/27/2024 9:00:00 AM	S2AVE
DOOR-S-15.2GE-DG-1 TO 2-240627-L-LA	511162-012	WIPE	N	3050B	6/27/2024 9:50:00 AM	S2AVE
DOOR-S-15.2GE-EXT-2 TO 3-240627-L-CB	511162-003	WIPE	N	3050B	6/27/2024 7:50:00 AM	S2AVE
DOOR-S-15.2GE-PS-16-240627-L-G	511162-007	WIPE	N	3050B	6/27/2024 8:40:00 AM	S2AVE
DOOR-S-15.2GE-PS-17-240627-L-CB	511162-001	WIPE	N	3050B	6/27/2024 7:30:00 AM	S2AVE
DOOR-S-15.3GE-DG-2 TO 16-240627-L-LA	511162-006	WIPE	N	3050B	6/27/2024 8:30:00 AM	S2AVE
DOOR-S-15.3GE-DG-3 TO 16-240627-L-LA	511162-004	WIPE	N	3050B	6/27/2024 8:00:00 AM	S2AVE
DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB	511162-013	WIPE	N	3050B	6/27/2024 9:37:00 AM	S2AVE
DOOR-S-15.3GE-INT-1 TO 16-240627-L-DUP-CB	511162-014	WIPE	FD	3050B	6/27/2024 9:37:00 AM	S2AVE
DOOR-S-15.4GE-EXT-2 TO 3-240627-L-CB	511162-005	WIPE	N	3050B	6/27/2024 8:15:00 AM	S2AVE
DOOR-S-15.4GE-INT-1 TO 16-240627-L-CB	511162-015	WIPE	N	3050B	6/27/2024 9:30:00 AM	S2AVE
DOOR-S-15.4GE-INT-16 TO 17-240627-L-CB	511162-002	WIPE	N	3050B	6/27/2024 8:10:00 AM	S2AVE

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 511383

Method: 6010B						
DOOR-S-15.5GE- PS-21-240702-L-G	511383-001	WIPE	N	3050B	7/2/2024 1:20:00 PM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 511384

Method: 6010B

AFRAME-C14E-MED-L1-UP-C14.6-DG-240702-L-SS	511384-006	WIPE	N	3050B	7/2/2024 1:50:00 PM	S2AVE
DOOR-S-15.2GE-DG-1 TO 2-240702-L-LA	511384-007	WIPE	N	3050B	7/2/2024 2:00:00 PM	S2AVE
DOOR-S-15.2GE-PS-16-240702-L-G	511384-005	WIPE	N	3050B	7/2/2024 1:40:00 PM	S2AVE
DOOR-S-15.2GE-PS-17-240702-L-G	511384-001	WIPE	N	3050B	7/2/2024 2:05:00 PM	S2AVE
DOOR-S-15.3GE-DG-2 TO 16-240702-L-LA	511384-004	WIPE	N	3050B	7/2/2024 1:35:00 PM	S2AVE
DOOR-S-15.3GE-DG-3 TO 16-240702-L-LA	511384-003	WIPE	N	3050B	7/2/2024 1:25:00 PM	S2AVE
DOOR-S-15.4GE-INT-16 TO 17-240702-L-CB	511384-002	WIPE	N	3050B	7/2/2024 1:20:00 PM	S2AVE

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 511385

Method: 6010B

DOOR-S-15.1GE-DG-3 TO 17-240702-L-LA	511385-005	WIPE	N	3050B	7/2/2024 2:15:00 PM	S3VEM
DOOR-S-15.1GE-EXT-3 TO 4-240702-L-CB	511385-001	WIPE	N	3050B	7/2/2024 1:37:00 PM	S3VEM
DOOR-S-15.3GE-DG-4 TO 17-240702-L-DUP-LA	511385-003	WIPE	FD	3050B	7/2/2024 1:45:00 PM	S3VEM
DOOR-S-15.3GE-DG-4 TO 17-240702-L-LA	511385-002	WIPE	N	3050B	7/2/2024 1:45:00 PM	S3VEM
DOOR-S-15.4GE-PS-17-240702-L-G	511385-004	WIPE	N	3050B	7/2/2024 2:25:00 PM	S3VEM

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024)

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 511602

Method: 8082

240708-P-FIELDBLANK1-HO	511602-007	WIPE	FB	3546	7/8/2024 2:20:00 PM	S3VEM
DOOR-S-15.1GE-DG-3 TO 17-240708-P-LA	511602-006	WIPE	N	3546	7/8/2024 2:05:00 PM	S3VEM
DOOR-S-15.1GE-EXT-3 TO 4-240708-P-CB	511602-001	WIPE	N	3546	7/8/2024 1:50:00 PM	S3VEM
DOOR-S-15.1GE-EXT-3 TO 4-240708-P-DUP-CB	511602-002	WIPE	FD	3546	7/8/2024 1:50:00 PM	S3VEM
DOOR-S-15.3GE-DG-4 TO 17-240708-P-LA	511602-003	WIPE	N	3546	7/8/2024 1:55:00 PM	S3VEM
DOOR-S-15.3GE-PS-17-240708-P-G	511602-004	WIPE	N	3546	7/8/2024 2:10:00 PM	S3VEM
DOOR-S-15.4GE-PS-17-240708-P-G	511602-005	WIPE	N	3546	7/8/2024 2:15:00 PM	S3VEM

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 511603

Method: 8082

ARCH-SGE-DG-6 TO 16-240708-P-LA	511603-002	WIPE	N	3546	7/8/2024 1:15:00 PM	S3VEM
DOOR-S-15.1GE-EXT-5 TO 6-240708-P-CB	511603-004	WIPE	N	3546	7/8/2024 1:25:00 PM	S3VEM
DOOR-S-15.2GE- PS-19-240708-P-G	511603-005	WIPE	N	3546	7/8/2024 1:30:00 PM	S3VEM
DOOR-S-15.3GE-DG-6 TO 20-240708-P-LA	511603-003	WIPE	N	3546	7/8/2024 1:20:00 PM	S3VEM
DOOR-S-15.5GE- PS-21-240708-P-G	511603-001	WIPE	N	3546	7/8/2024 1:05:00 PM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/30/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Validation Label Legend

<i>Label Code</i>	<i>Label Description</i>	<i>EPA Level</i>
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 510949

EDD Filename: 510949

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 510950

EDD Filename: 510950

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 510951

EDD Filename: 510951

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 511383

EDD Filename: 511383

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 511384

EDD Filename: 511384

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 511385

EDD Filename: 511385

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 511602

EDD Filename: 511602

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 511603

EDD Filename: 511603

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

510949

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343A4b
SDG #: 510949
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
Page: 1 of 1
Reviewer: *BN*
2nd Reviewer: *MG*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	<i>A</i>	
II	Laboratory Blanks	<i>A</i>	
III	Field blanks	<i>SW</i>	FB=3 Medblank= 4
IV	Matrix spike/Matrix spike duplicates	<i>N</i>	
V	Laboratory Duplicates	<i>N</i>	
VI	Serial Dilution	<i>N</i>	
VII	Laboratory control samples	<i>A</i>	
VIII	Field duplicates	<i>N</i>	
IX	Target analyte quantitation	<i>A</i>	
X	Overall assessment of data	<i>A</i>	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.4GE-INT-18 TO 19-240627-L-CB	510949-001		Wipe	06/27/24	Stage 2A
2	ARCH-SGE-INT-8 TO 9-240627-L-CB	510949-001		Wipe	06/27/24	Stage 2A
3	240627-L-FIELDBLANK1-LO	510949-001	FB	Wipe	06/27/24	Stage 2A
4	240627-L-MEDBLANK1-LO	510949-004	FB	Wipe	06/27/24	Stage 2A

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 510949

Laboratory: Enthalpy Orange

EDD Filename: Prep510949

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B

Matrix: WIPE

<i>Analyte</i>	<i>Sample</i>	<i>Concentration (ug/ft2)</i>	<i>Flag</i>
LEAD	240627-L- FIELDBLANK1-LO	1.5	No Qualifiers Applied

Quality Control Outlier Reports

510950

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343B4b
SDG #: 510950
Laboratory: Enthalpy Analytical, Orange, CA

Method: Lead by (EPA SW-846 Method 6010B)

Date: 7/29/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: *Bn*

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A/A	
II	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(3,4)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note:

A = Acceptable

ND = Not detected

FT = Field triplicate

AB= Ambient blank

R = Rinsate

N = Not provided/applicable

NQ = Not qualified

TB = Trip blank

SB = Source blank

SW = See worksheet

FD = Field duplicate

FB = Field blank

EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	ARCH-SGE-DG-6 TO 16-240627-L-LA	510950-004		Wipe	06/27/24	Stage 3
2	DOOR-S-15.3GE-DG-6 TO 20-240627-L-LA	510950-006		Wipe	06/27/24	Stage 3
2	DOOR-S-15.1GE-EXT-5 TO 6-240627-L-CB	510950-004	FD	Wipe	06/27/24	Stage 3
4	DOOR-S-15.1GE-EXT-5 TO 6-240627-L-DUPCB	510950-009	FD	Wipe	06/27/24	Stage 3
1	DOOR-S-15.2GE-PS-19-240627-L-G	510950-011		Wipe	06/27/24	Stage 3

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
All samples	Water	6010B	Pb

Comments:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59343 ~~846~~

VALIDATION FINDINGS CHECKLIST

Page 1 of 2
Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specified by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identified in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Field Duplicate RPD Report

Lab Reporting Batch ID: 510950

Laboratory: Enthalpy Orange

EDD Filename: 510950

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.1GE- EXT-5 TO 6-240627-L-	DOOR-S-15.1GE-EXT-5 TO 6-240627-L-DUP-CB			
LEAD	280	300	7	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

7/30/2024 8:47:30 AM

ADR version 1.9.0.325

Page 1 of 1

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	3	4		
Lead	280	300	7	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial 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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (mg/L)	True (mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.008	1.000	101	101	Y
CCV	ICP	↓	0.9871	1.000	99	99	Y
LLCC	ICP						
ICSAB	ICP	↓	0.94	1.000	94	94	Y

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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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:

$$\text{RPD} = (\text{Absolute value}(S-D) \times 200) / (S+D)$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value } (I - \text{SDR})) \times 100 / (I)$$

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1165893	LCS	Pb	51.74	50	103	103	Y
NA	MS	Pb					
QC1165893/94	Duplicate	Pb	51.74	51.12	1	1	Y
NA	PDS	Pb					
NA	Serial dilution	Pb					Y

Sample Calculation Verification

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (mL)	Reported Result (ug/ft^2)	Recalculated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	3.013	1	1.0875	50	140	139	Y
2	↓	6.268	1	1.0276	50	300	305	Y
3	↓	5.517	1	1	50	280	276	Y
4	↓	6.03	1	1	50	280	302	Y
5	↓	2.375	1	1.0828	50	110	110	Y

Quality Control Outlier Reports

~~510951~~

SDG# 510951 does not contain samples
collected within the Low Occupancy Area
of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343C4b
 SDG #: 510951
 Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
 Page: 1 of 1
 Reviewer: JC
 2nd Reviewer: *BM*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A/A	
II	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(2,3)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
	DOOR-S-15.1GE-EXT-3 TO 4-240627-L-CB	510951-003		Wipe	06/27/24	Stage 3
2	DOOR-S-15.3GE-DG-4 TO 17-240627-L-LA	510951-005	FD	Wipe	06/27/24	Stage 3
3	DOOR-S-15.3GE-DG-4 TO 17-240627-L-DUP-LA	510951-006	FD	Wipe	06/27/24	Stage 3
4	DOOR-S-15.3GE-PS-17-240627-L-G	510951-008		Wipe	06/27/24	Stage 3
5	DOOR-S-15.3GE-PS-17-240627-L-G	510951-010		Wipe	06/27/24	Stage 3
6	DOOR-S-15.1GE-DG-3 TO 17-240627-L-LA	510951-012		Wipe	06/27/24	Stage 3

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
All Samples	Water	6010B	Pb

Comments:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specified by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identified in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Field Duplicate RPD Report

Lab Reporting Batch ID: 510951

Laboratory: Enthalpy Orange

EDD Filename: 510951

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.3GE-DG-4 TO 17-240627-L-LA	DOOR-S-15.3GE-DG-4 TO 17-240627-L-DUP-			
LEAD	270	190	35	100.00	No Qualifiers Applied

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Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	2	3		
Lead	270	190	35	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial 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:

$\%R = (\text{Found}/\text{True}) \times 100$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (mg/L)	True (mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.008	1.000	101	101	Y
CCV	ICP	↓	0.9842	1.000	98	98	Y
LLCC	ICP						Y
ICSAB	ICP	↓	0.94	1	94	94	Y

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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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:

$$\text{RPD} = (\text{Absolute value}(S-D) \times 200) / (S+D)$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value } (I - \text{SDR})) \times 100 / (I)$$

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1165893	LCS	Pb	51.74	50.0	103	103	Y
NA	MS	Pb			NA	NA	
QC1165893/94	Duplicate	Pb	51.74	51.12	1	1	Y
NA	PDS	Pb			NA	NA	
NA	Serial dilution	Pb			NA	NA	

Sample Calculation Verification

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (mL)	Reported Result (ug/ft^2)	Recalculated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	7.454	1	1	50	370	373	Y
2	↓	5.462	1	1.0276	50	370	266	Y
3	↓	3.827	1	1.0276	50	190	186	Y
4	↓	3.138	1	1.0828	50	140	145	Y
5	↓	7.482	1	1.0828	50	350	345	Y
6	↓	7.831	1	1.0276	50	380	381	Y

Quality Control Outlier Reports

~~511162~~

SDG# 511162 does not contain samples
collected within the Low Occupancy Area of
Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343D4b
 SDG #: 511162
 Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
 Page: 1 of 1
 Reviewer: *BN*
 2nd Reviewer: *MG*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A	
II	Laboratory Blanks	A	
III	Field blanks	SW	FB= 17 Medblank= 18
IV	Matrix spike/Matrix spike duplicates	N	
V	Laboratory Duplicates	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	SW	(13,14)
IX	Target analyte quantitation	A	
X	Overall assessment of data	A	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.2GE-PS-17-240627-L-CB	511162-001		Wipe	06/27/24	Stage 2A
2	DOOR-S-15.4GE-INT-16 TO 17-240627-L-CB	511162-001		Wipe	06/27/24	Stage 2A
3	DOOR-S-15.2GE-EXT-2 TO 3-240627-L-CB	511162-003		Wipe	06/27/24	Stage 2A
4	DOOR-S-15.3GE-DG-3 TO 16-240627-L-LA	511162-004		Wipe	06/27/24	Stage 2A
5	DOOR-S-15.4GE-EXT-2 TO 3-240627-L-CB	511162-005		Wipe	06/27/24	Stage 2A
6	DOOR-S-15.3GE-DG-2 TO 16-240627-L-LA	511162-004		Wipe	06/27/24	Stage 2A
5	DOOR-S-15.2GE-PS-16-240627-L-G	511162-005		Wipe	06/27/24	Stage 2A
8	AFRAME-C14E-MED-L1-UP-C14.1-DG- 240627-L-SS	511162-004		Wipe	06/27/24	Stage 2A
9	AFRAME-C14E-MED-L1-UP-C14.6-DG- 240627-L-SS	511162-009		Wipe	06/27/24	Stage 2A
10	AFRAME-SGE-LAT-L1-HS-3-240627-L-A	511162-010		Wipe	06/27/24	Stage 2A
11	AFRAME-SGE-MED-L1-HS-3-240627-L-A	511162-011		Wipe	06/27/24	Stage 2A
12	DOOR-S-15.2GE-DG-1 TO 2-240627-L-LA	511162-005		Wipe	06/27/24	Stage 2A
13	DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB	511162-013	FD	Wipe	06/27/24	Stage 2A
14	DOOR-S-15.3GE-INT-1 TO 16-240627-L-DUP- CB	511162-009	FD	Wipe	06/27/24	Stage 2A
15	DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB	511162-005		Wipe	06/27/24	Stage 2A
16	AFRAME-C14E-MED-L1-DN-C14.7-DG-240627-L-SS	511162-010		Wipe	06/27/24	Stage 2A
17	240627-L-FIELDBLANK1-HO	511162-017	FB	Wipe	06/27/24	Stage 2A
18	240627-L-MEDBLANK1-HO	511162-018	FB	Wipe	06/27/24	Stage 2A

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 511162

EDD Filename: Prep511162

Laboratory: Enthalpy Orange

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B

Matrix: WIPE

Analyte	Sample	Concentration (ug/ft2)	Flag
LEAD	240627-L- FIELDBLANK1-HO	1.0	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 511162

Laboratory: Enthalpy Orange

EDD Filename: 511162

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.3GE-INT-1 TO 16-240627-L-CB	DOOR-S-15.3GE-INT-1 TO 16-240627-L-DUP-			
LEAD	150	220	38	100.00	No Qualifiers Applied

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Quality Control Outlier Reports

511383

(No Outliers)

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343E4b
SDG #: 511383
Laboratory: Enthalpy Analytical, Orange, CA

Method: Lead by (EPA SW-846 Method 6010B)

Date: 7/29/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: *ABN*

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A/A	
II	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	N	
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note:

A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = Not detected
NQ = Not qualified
FD = Field duplicate

FT = Field triplicate
TB = Trip blank
FB = Field blank

AB= Ambient blank
SB = Source blank
EB = Equipment blank

R = Rinsate

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
I	DOOR-S-15.5GE-PS-21-240702-L-G	511383-001		Wipe	07/02/24	Stage 3

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
All Samples	Water	6010B	Pb

Comments:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isotopes 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 specified by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identified in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial 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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (mg/L)	True (mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.072	1.000	107	107	Y
CCV	ICP	Pb	1.081	1.000	108	108	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.06	1.000	106	106	Y

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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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:

$$\text{RPD} = (\text{Absolute value}(S-D) \times 200) / (S+D)$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value } (I - \text{SDR})) \times 100 / (I)$$

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1166773	LCS	Pb	55.19	50	110	110	Y
NA	MS				NA	NA	
QC1166773/74	Duplicate	Pb	55.19	54.22	2	2	Y
NA	PDS				NA	NA	
NA	Serial dilution				NA	NA	

Sample Calculation Verification

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (mL)	Reported Result (ug/ft^2)	Recalculated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	0.2503	1	1.03	50	12	12	Y

Quality Control Outlier Reports

511384

(No Outliers)

SDG# 511384 does not contain samples
collected within the Low Occupancy Area of
Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343F4b
SDG #: 511384
Laboratory: Enthalpy Analytical, Orange, CA

Method: Lead by (EPA SW-846 Method 6010B)

Date: 7/29/2024
Page: 1 of 1
Reviewer: *ABM*
2nd Reviewer: *MG*

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A	
II	Laboratory Blanks	A	
III	Field blanks	N	
IV	Matrix spike/Matrix spike duplicates	N	
V	Laboratory Duplicates	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	N	
IX	Target analyte quantitation	A	
X	Overall assessment of data	A	

Note:

A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = Not detected
NQ = Not qualified
FD = Field duplicate

FT = Field triplicate
TB = Trip blank
FB = Field blank

AB= Ambient blank
SB = Source blank
EB = Equipment blank

R = Rinsate

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.2GE-PS-17-240702-L-G	511384-001		Wipe	07/02/24	Stage 2A
1	DOOR-S-15.4GE-INT-16 TO 17-240702-L-CB	511384-001		Wipe	07/02/24	Stage 2A
3	DOOR-S-15.3GE-DG-3 TO 16-240702-L-LA	511384-001		Wipe	07/02/24	Stage 2A
4	DOOR-S-15.3GE-DG-2 TO 16-240702-L-LA	511384-004		Wipe	07/02/24	Stage 2A
3	DOOR-S-15.2GE-PS-17-240702-L-G	511384-001		Wipe	07/02/24	Stage 2A
6	AFRAME-C14E-MED-L1-UP-C14.6-DG- 240702-L-SS	511384-006		Wipe	07/02/24	Stage 2A
7	DOOR-S-15.2GE-DG-1 TO 2-240702-L-LA	511384-001		Wipe	07/02/24	Stage 2A

Notes:

Quality Control Outlier Reports

~~511385~~

SDG# 511385 does not contain samples
collected within the Low Occupancy Area of
Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343G4b
SDG #: 511385
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/29/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer:

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A/A	
II	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(2,3)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.1GE-EXT-3 TO 4-240702-L-CB	511385-001		Wipe	07/02/24	Stage 3
2	DOOR-S-15.3GE-DG-4 TO 17-240702-L-LA	511385-001		Wipe	07/02/24	Stage 3
1	DOOR-S-15.3GE-DG-4 TO 17-240702-L-DUP-LA	511385-003		Wipe	07/02/24	Stage 3
4	DOOR-S-15.4GE-PS-17-240702-L-G	511385-004		Wipe	07/02/24	Stage 3
5	DOOR-S-15.1GE-DG-3 TO 17-240702-L-LA	511385-003		Wipe	07/02/24	Stage 3

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
All Samples	Water	6010B	Pb

Comments:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isotoes 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 specified by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identified in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Field Duplicate RPD Report

Lab Reporting Batch ID: 511385

Laboratory: Enthalpy Orange

EDD Filename: 511385

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.3GE-DG-4 TO 17-240702-L-LA	DOOR-S-15.3GE-DG-4 TO 17-240702-L-DUP-			
LEAD	11	4.6	82	100.00	No Qualifiers Applied

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	2	3		
Lead	11	4.6	82	

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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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:

$$\text{RPD} = (\text{Absolute value}(S-D) \times 200) / (S+D)$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value } (I - \text{SDR})) \times 100 / (I)$$

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1166773	LCS	Pb	55.19	50.00	110	110	Y
NA	MS			NA	NA		
QC1166773/74	Duplicate	Pb	55.19	54.22	2	2	Y
NA	PDS			NA	NA		
NA	Serial dilution			NA	NA		

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial 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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (mg/L)	True (mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.072	1.000	107	107	Y
CCV	ICP	↓	1.081	1.000	108	108	Y
LLCC	ICP	↓					
ICSAB	ICP	↓	1.06	1.000	108	108	

Sample Calculation Verification

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (mL)	Reported Result (ug/ft^2)	Recalculated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	0.135	1	1	50	6.8	6.8	Y
2	↓	0.22	1	1.0276	50	11	11	Y
3	↓	0.09452	1	1.0276	50	4.6	4.6	Y
4	↓	0.08547	1	1.0276	50	4.2	4.2	Y
5	↓	0.1231	1	1.0276	50	6.0	6.0	Y

Quality Control Outlier Reports

~~511602~~

(No Outliers)

SDG# 511602 does not contain samples
collected within the Low Occupancy Area
of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343H3b
SDG #: 511602
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/16/2024
Page: 1 of 1
Reviewer: *PF*
2nd Reviewer: *mm*

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times		
II	Initial calibration / <i>1cv</i>	<i>Δ/Δ</i>	<i>% RSD ≤ 20, 12 1cv ≤ 15</i>
III	Continuing calibration	<i>Δ</i>	<i>CV ≤ 15</i>
IV	Laboratory Blanks	<i>Δ</i>	
V	Field blanks	<i>ND</i>	<i>FB = 7</i>
VI	Surrogate spikes / <i>15</i>	<i>Δ/Δ</i>	
VII	Matrix spike/Matrix spike duplicates	<i>N</i>	<i>CS</i>
VIII	Laboratory control samples	<i>A</i>	<i>100% 10</i>
IX	Field duplicates	<i>N</i>	<i>D = 1.2</i>
X	Target analyte quantitation	<i>Δ</i>	
XI	Target analyte identification	<i>Δ</i>	
XII	Overall assessment of data	<i>Δ</i>	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.1GE-EXT-3 TO 4-240708-P-CB	511602-001	FD	Wipe	07/08/24	Stage 3
2	DOOR-S-15.1GE-EXT-3 TO 4-240708-P-DUP- CB	511602-002	FD	Wipe	07/08/24	Stage 3
1	DOOR-S-15.3GE-DG-4 TO 17-240708-P-LA	511602-003		Wipe	07/08/24	Stage 3
4	DOOR-S-15.3GE-PS-17-240708-P-G	511602-004		Wipe	07/08/24	Stage 3
1	DOOR-S-15.4GE-PS-17-240708-P-G	511602-001		Wipe	07/08/24	Stage 3
6	DOOR-S-15.1GE-DG-3 TO 17-240708-P-LA	511602-001		Wipe	07/08/24	Stage 3
	240708-P-FIELDBLANK1-HO	511602-003	FB	Wipe	07/08/24	Stage 3

Notes: *344625*

LDC #: 5934343b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
 Reviewer: [Signature]

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) ^{PN} ≤ 20%? <u>15%</u>	☒	☐	☐	
III. Continuing calibration				
Was a continuing calibration analyzed daily?	☒	☐	☐	
Were all percent differences (%D) ^{PN} ≤ 20%? <u>15%</u>	☒	☐	☐	
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 #: 59343H3h

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: PA

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	☒	☐	☐	
Were target analytes detected in the field duplicates?	☐	☒	☐	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	☒	☐	☐	
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	☒	☐	☐	
Were relative percent difference (RPD) of the results between two columns $\leq 40\%$?	☒	☐	☒	all NR
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	☒	☐	☐	
Were manual integrations reviewed and found acceptable?	☒	☐	☐	
Did the laboratory provide before and after integration printouts?	☐	☐	☒	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	☒	☐	☐	

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$CF = A/C$$

$$\text{average CF} = \text{sum of the CF/number of standards}$$

$$\%RSD = 100 * (S/X)$$

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/28/2024	Aroclor 1260-1 ChA	0.0504	0.0504	0.0536	0.0536	18	18
	GC07		Aroclor 1260-1 ChB	0.0601	0.0601	0.0579	0.0579	18	18

LDC #: 59 343 H3b**VALIDATION FINDINGS WORKSHEET**
Continuing Calibration Results VerificationPage: 1 of 1
Reviewer: FTMETHOD: 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 = $100 * (\text{ave. CF} - \text{CF}) / \text{ave. CF}$

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	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	ccv	7/1/24 1756	Aroclor 1260 chA	5090	4902	490.2	2	2
			chB	500.0	461.1	461.1	8	8
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 59343 H3b

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

Page: 1 of 1
 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	41.5970	83	83	0
PCB	↓	↓	39.9603	80	80	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Triphenyltin	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 #: 593431131

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC} / \text{SA})$$

$$\text{RPD} = ((\text{SSCLCS} - \text{SSCLCSD}) * 2) / (\text{SSCLCS} + \text{SSCLCSD}) * 100$$

Where SSC = Spiked sample concentration

LCS = Laboratory Control Sample

SA = Spike added

LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 344625 res 1D

[illegible]

Comments:

LDC #: 59343 H3b

VALIDATION FINDINGS WORKSHEET **Sample Calculation Verification**

Page: 1 of 1
 Reviewer: FT

METHOD: ✓ GC HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)(F_v)(D_f)}{(RF)(V_s \text{ or } W_s)(\%S/100)}$$

Example:

Sample ID. 344625 LDC Aroclor 1260

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

$$\text{Concentration} = \frac{462.5 (10)}{(1) (1000)} = 4.625 \text{ ug} / 100 \text{ cm}^2$$

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm ²)	Recalculated Results Concentrations (ug/100 cm ²)	Qualifications
	<u>107</u>	<u>Aroclor 1260</u>	<u>4.625</u>	<u>4.625</u>	
	<u>Aroclor 1260-1</u>	<u>8802333.75 (20.0)</u>	<u>= 497</u>	<u>1260-1 = 497.0</u>	
		<u>6121453.76 (0.0579)</u>		<u>2 466.5</u>	
				<u>3 524.6</u>	
				<u>4 421.7</u>	
				<u>5 402.9</u>	
				<u>462.5</u>	

Comments: _____

Quality Control Outlier Reports

511603

(No Outliers)

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59343I3b
SDG #: 511603
Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/16/2024
Page: 1 of 1
Reviewer: *PN*
2nd Reviewer:

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	<i>A</i>	
II	Initial calibration <i>1.1eV</i>	<i>A/A</i>	<i>0% PSD ≤ 20, 12 CV ≤ 15</i>
III	Continuing calibration	<i>A</i>	<i>CCV ≤ 15</i>
IV	Laboratory Blanks	<i>A</i>	
V	Field blanks	<i>ND</i>	<i>FB= 240708 - P-FIELD BLANK 1-HO</i>
VI	Surrogate spikes <i>15</i>	<i>A/A</i>	<i>(511602)</i>
VII	Matrix spike/Matrix spike duplicates	<i>N</i>	<i>CS</i>
VIII	Laboratory control samples	<i>A</i>	<i>100% 10</i>
IX	Field duplicates	<i>N</i>	
X	Target analyte quantitation	<i>A</i>	
XI	Target analyte identification	<i>A</i>	
XII	Overall assessment of data	<i>A</i>	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GE-PS-21-240708-P-G	511603-001		Wipe	07/08/24	Stage 3
2	ARCH-SGE-DG-6 TO 16-240708-P-LA	511603-002		Wipe	07/08/24	Stage 3
3	DOOR-S-15.3GE-DG-6 TO 20-240708-P-LA	511603-001		Wipe	07/08/24	Stage 3
4	DOOR-S-15.1GE-EXT-5 TO 6-240708-P-CB	511603-004		Wipe	07/08/24	Stage 3
5	DOOR-S-15.2GE-PS-19-240708-P-G	511603-001		Wipe	07/08/24	Stage 3

Notes: *344625*

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59743 F3h

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: PJ

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% <u>15%</u> ^{PJ}	☒	☐	☐	
III. Continuing calibration				
Was a continuing calibration analyzed daily?	☒	☐	☐	
Were all percent differences (%D) ≤ 20% <u>15%</u>	☒	☐	☐	
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 #: 59 343 F 3b

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: 17

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were relative percent difference (RPD) of the results between two columns < 40%?	✓ P1		✓	all ND
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$CF = A/C$$

$$\text{average CF} = \text{sum of the CF/number of standards}$$

$$\%RSD = 100 * (S/X)$$

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/28/2024	Aroclor 1016-1 ChA	0.0170	0.0170	0.0175	0.0175	15	15
	GC07		Aroclor 1016-1 ChB	0.0214	0.0214	0.0211	0.0211	18	18

LDC #: 5934373b**VALIDATION FINDINGS WORKSHEET**
Continuing Calibration Results VerificationPage: 1 of 1
Reviewer: FTMETHOD: 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 = $100 * (\text{ave. CF} - \text{CF}) / \text{ave. CF}$

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	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	ccv	7/9/24 1756	Acetone 1016 ch A	500.0	494.8	494.8	1	1
			↓ ch B	↓	494.1	494.1	1	1
2								
							1	1
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 59343T 3b

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

 Page: 1 of 1
 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	
TLCX	ch B	50	40.891	82	82	0
DCB	↓	↓	42.7515	86	86	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Triphenyltin	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 #: 59343T3h

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ☒ GC ☐ HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC} / \text{SA})$$
$$RPD = ((\{SSCLCS - SSCLCSD\} * 2) / (SSCLCS + SSCLCSD)) * 100$$

Where SSC = Spiked sample concentration

LCS = Laboratory Control Sample

SA = Spike added

LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 344625. us 1D

[illegible]

Comments:

LDC #: 5934313b

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

 Page: 1 of 1
 Reviewer: FT

 METHOD: ✓ GC HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$$

Example:

 Sample ID. 344625-105 Aroclor 1016

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

$$\text{Concentration} = \frac{458.76 (10)}{(1) (1000)} = 4.5876 \text{ } \mu\text{g}/100 \text{ cm}^2$$

#	Sample ID	Target analyte	Reported Concentrations ($\mu\text{g}/100 \text{ cm}^2$)	Recalculated Results Concentrations ($\mu\text{g}/100 \text{ cm}^2$)	Qualifications
	<u>105</u>	<u>Aroclor 1016</u>	<u>4.581</u>	<u>4.582</u>	
	<u>Aroclor 1016-L</u>	<u>3001623.457 (20.0)</u>		<u>1016-1 = 464.78</u>	
		<u>6121453.763 (0.0211)</u>		<u>2 = 485.1</u>	
				<u>3 = 419.5</u>	
		<u>= 464.78</u>		<u>4 = 451.8</u>	
				<u>5 = 469.8</u>	
				<u>458.76</u>	

 Comments: _____



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

September 5, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on July 26, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59454 RV1:

SDG #

512354
512355
512356
512437

Fraction

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

LDC	SDG#	Received Date	(3) Due Date	Validation Level	PCBs (EPA 8082)	Pb (EPA 6010B)
Matrix Type:					WP	WP
A	512354	7/26/24	8/16/24	Stage 2A	0	5
B	512355	7/26/24	8/16/24	Stage 3	5	6
C	512356	7/26/24	8/16/24	Stage 3	7	6
D	512437	7/26/24	8/16/24	Stage 2A	0	25
Total	PM: MG				12	42

These sample counts do not include DLs, REs, MS/MSD, and DUPs.

Automated Data Review Data Validation Report Hangar 1 NTCRA

Sample Delivery Groups

512354

512355

512356

512437

Only the highlighted SDGs contain samples that were collected in the Low Occupancy Area of Zone 8.

August 12, 2024

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the July 2024 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082

Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082

One field blank was collected and analyzed. No contaminants were found.

6010B

Three media blanks were collected and analyzed. No contaminants were found.

Three field blanks were collected and analyzed. The field blanks had detections for lead. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports are presented in Enclosure I.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082

One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B

Four field duplicate pairs were collected and analyzed. The field duplicate pairs had detections for lead. All RPDs were within QC limits with the exception of one duplicate pair. The associated sample results were qualified as detected estimated (J) or non-detected estimated (UJ) as applicable. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 512354

Method: 6010B

240718-L-FIELDBLANK1-LO	512354-004	WIPE	FB	3050B	7/18/2024 7:22:00 AM	S2AVE
240718-L-MEDBLANK1-LO	512354-005	WIPE	FB	3050B	7/18/2024 11:35:00 AM	S2AVE
DOOR-S-15.1GW-DG-6 TO 19-240718-L-LA	512354-001	WIPE	N	3050B	7/18/2024 8:30:00 AM	S2AVE
DOOR-S-15.2GW-PS-19-240718-L-G	512354-002	WIPE	N	3050B	7/18/2024 8:40:00 AM	S2AVE
DOOR-S-15.6GW-INT-17 TO 18-240718-L-CB	512354-003	WIPE	N	3050B	7/18/2024 8:50:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 512355

Method: 6010B

ARCH-SGW-DG-5.5 TO 17-240718-L-LA	512355-004	WIPE	N	3050B	7/18/2024 7:40:00 AM	S3VEM
DOOR-S-15.3GW-DG-7 TO 20-240718-L-DUP-LA	512355-007	WIPE	FD	3050B	7/18/2024 8:00:00 AM	S3VEM
DOOR-S-15.3GW-DG-7 TO 20-240718-L-LA	512355-006	WIPE	N	3050B	7/18/2024 8:00:00 AM	S3VEM
DOOR-S-15.3GW-INT-19 TO 20-240718-L-CB	512355-011	WIPE	N	3050B	7/18/2024 8:20:00 AM	S3VEM
DOOR-S-15.4GW-PS-20-240718-L-G	512355-009	WIPE	N	3050B	7/18/2024 8:10:00 AM	S3VEM
DOOR-S-15.5GW-PS-21-240718-L-G	512355-002	WIPE	N	3050B	7/18/2024 7:30:00 AM	S3VEM

Method: 8082

ARCH-SGW-DG-5.5 TO 17-240718-P-LA	512355-003	WIPE	N	3546	7/18/2024 7:40:00 AM	S3VEM
DOOR-S-15.3GW-DG-7 TO 20-240718-P-LA	512355-005	WIPE	N	3546	7/18/2024 8:00:00 AM	S3VEM
DOOR-S-15.3GW-INT-19 TO 20-240718-P-CB	512355-010	WIPE	N	3546	7/18/2024 8:20:00 AM	S3VEM
DOOR-S-15.4GW-PS-20-240718-P-G	512355-008	WIPE	N	3546	7/18/2024 8:10:00 AM	S3VEM
DOOR-S-15.5GW-PS-21-240718-P-G	512355-001	WIPE	N	3546	7/18/2024 7:30:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024)

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 512356

Method: 6010B

DOOR-S-15.1GW-INT-17 TO 18-240718-L-CB	512356-010	WIPE	N	3050B	7/18/2024 9:00:00 AM	S3VEM
DOOR-S-15.2GW-DG-4 TO 17-240718-L-LA	512356-007	WIPE	N	3050B	7/18/2024 9:10:00 AM	S3VEM
DOOR-S-15.4GW-EXT-3 TO 4-240718-L-CB	512356-005	WIPE	N	3050B	7/18/2024 9:20:00 AM	S3VEM
DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-LA	512356-003	WIPE	FD	3050B	7/18/2024 9:30:00 AM	S3VEM
DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	512356-002	WIPE	N	3050B	7/18/2024 9:30:00 AM	S3VEM
DOOR-S-15.6GW-PS-17-240718-L-LA	512356-012	WIPE	N	3050B	7/18/2024 9:50:00 AM	S3VEM

Method: 8082

240718-P-FIELDBLANK1-HO	512356-013	WIPE	FB	3546	7/18/2024 9:40:00 AM	S3VEM
DOOR-S-15.1GW-INT-17 TO 18-240718-P-CB	512356-008	WIPE	N	3546	7/18/2024 9:00:00 AM	S3VEM
DOOR-S-15.1GW-INT-17 TO 18-240718-P-DUP-CB	512356-009	WIPE	FD	3546	7/18/2024 9:00:00 AM	S3VEM
DOOR-S-15.2GW-DG-4 TO 17-240718-P-LA	512356-006	WIPE	N	3546	7/18/2024 9:10:00 AM	S3VEM
DOOR-S-15.4GW-EXT-3 TO 4-240718-P-CB	512356-004	WIPE	N	3546	7/18/2024 9:20:00 AM	S3VEM
DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA	512356-001	WIPE	N	3546	7/18/2024 9:30:00 AM	S3VEM
DOOR-S-15.6GW-PS-17-240718-P-LA	512356-011	WIPE	N	3546	7/18/2024 9:50:00 AM	S3VEM

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024)

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 512437

Method: 6010B

240718-L-FIELDBLANK1-HO	512437-021	WIPE	FB	3050B	7/18/2024 9:40:00 AM	S2AVE
240718-L-FIELDBLANK2-HO	512437-023	WIPE	FB	3050B	7/18/2024 7:20:00 AM	S2AVE
240718-L-MEDBLANK1-HO	512437-022	WIPE	FB	3050B	7/18/2024 11:40:00 AM	S2AVE
240718-L-MEDBLANK2-HO	512437-024	WIPE	FB	3050B	7/18/2024 11:45:00 AM	S2AVE
AFRAME-C14W-MED-L1-DN-C14.7-DG-240718-L-SS	512437-020	WIPE	N	3050B	7/18/2024 10:35:00 AM	S2AVE
AFRAME-C14W-MED-L1-UP-C14.1-DG-240718-L-SS	512437-016	WIPE	N	3050B	7/18/2024 9:25:00 AM	S2AVE
AFRAME-C14W-MED-L1-UP-C14.6-DG-240718-L-SS	512437-017	WIPE	N	3050B	7/18/2024 9:30:00 AM	S2AVE
AFRAME-SGW-LAT-L1-HS-3-240718-L-A	512437-014	WIPE	N	3050B	7/18/2024 9:40:00 AM	S2AVE
AFRAME-SGW-MED-L1-HS-3-240718-L-A	512437-015	WIPE	N	3050B	7/18/2024 9:45:00 AM	S2AVE
DOOR-S-15.1GW-DG-1 TO 2-240718-L-LA	512437-018	WIPE	N	3050B	7/18/2024 10:25:00 AM	S2AVE
DOOR-S-15.1GW-ENT-2 TO 3-240718-L-CB	512437-011	WIPE	N	3050B	7/18/2024 8:45:00 AM	S2AVE
DOOR-S-15.2GW-EXT-3 TO 4-240718-L-CB	512437-001	WIPE	N	3050B	7/18/2024 10:00:00 AM	S2AVE
DOOR-S-15.2GW-EXT-3 TO 4-240718-L-DUP-CB	512437-002	WIPE	FD	3050B	7/18/2024 10:00:00 AM	S2AVE
DOOR-S-15.2GW-INT-16 TO 17-240718-L-CB	512437-010	WIPE	N	3050B	7/18/2024 8:15:00 AM	S2AVE
DOOR-S-15.2GW-PS-17-240718-L-G	512437-004	WIPE	N	3050B	7/18/2024 7:30:00 AM	S2AVE
DOOR-S-15.3GW-DG-3 TO 16-240718-L-LA	512437-009	WIPE	N	3050B	7/18/2024 8:10:00 AM	S2AVE
DOOR-S-15.4GW-DG-3 TO 16-240718-L-DUP-LA	512437-008	WIPE	FD	3050B	7/18/2024 8:05:00 AM	S2AVE
DOOR-S-15.4GW-DG-3 TO 16-240718-L-LA	512437-007	WIPE	N	3050B	7/18/2024 8:05:00 AM	S2AVE
DOOR-S-15.4GW-INT-1 TO 16-240718-L-CB	512437-019	WIPE	N	3050B	7/18/2024 10:15:00 AM	S2AVE
DOOR-S-15.4GW-PS-16-240718-L-G	512437-013	WIPE	N	3050B	7/18/2024 9:10:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Method: 6010B

DOOR-S-15.5GW-DG-1 TO 2-240718-L-LA	512437-025	WIPE	N	3050B	7/18/2024 10:00:00 AM	S2AVE
DOOR-S-15.5GW-INT-16 TO 17-240718-L-CB	512437-006	WIPE	N	3050B	7/18/2024 7:50:00 AM	S2AVE
DOOR-S-15.5GW- PS-17-240718-L-G	512437-003	WIPE	N	3050B	7/18/2024 7:35:00 AM	S2AVE
DOOR-S-15.6GW-DG-3 TO 16-240718-L-G	512437-005	WIPE	N	3050B	7/18/2024 7:45:00 AM	S2AVE
DOOR-S-15.6GW- PS-16-240718-L-G	512437-012	WIPE	N	3050B	7/18/2024 9:00:00 AM	S2AVE

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/12/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Validation Label Legend

<i>Label Code</i>	<i>Label Description</i>	<i>EPA Level</i>
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 512354

EDD Filename: 512354

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 512355

Laboratory: Enthalpy Orange

EDD Filename: 512355

eQAPP Name:

Method Category: METALS

Method: 6010B

Matrix: WIPE

DOOR-S-15.3GW-DG-7 TO 20-240718-L-
Sample ID: DUP-LA

7/18/2024 8:00:00
Collected: AM

Analysis Type: RES

Dilution: 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	54		0.36	MDL	0.50	CRQL	ug/ft2	J	Fd

DOOR-S-15.3GW-DG-7 TO 20-240718-L-
Sample ID: LA

7/18/2024 8:00:00
Collected: AM

Analysis Type: RES

Dilution: 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	240		0.36	MDL	0.50	CRQL	ug/ft2	J	Fd

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

9/5/2024 11:15:58 AM

ADR version 1.9.0.325

Page 1 of 2

Data Qualifier Summary

Lab Reporting Batch ID: 512355

Laboratory: Enthalpy Orange

EDD Filename: 512355

eQAPP Name:

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
Fd	Field Duplicate Precision

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

8/12/2024 8:45:19 AM

ADR version 1.9.0.325

Page 2 of 2

Data Qualifier Summary

Lab Reporting Batch ID: 512356

EDD Filename: 512356

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 512437

EDD Filename: 512437

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

512354

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454A4b
SDG #: 512354
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
Page: 1 of 1
Reviewer: *BM*
2nd Reviewer: *mb*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A	
II	Laboratory Blanks	A	
III	Field blanks	SW	FB = 4 MEDBLANK = 5
IV	Matrix spike/Matrix spike duplicates	N	
V	Duplicate Sample Analysis	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	N	
IX	Overall assessment of data	A	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.1GW-DG-6 TO 19-240718-L-LA	512354-001		Wipe	07/18/24	Stage 2A
1	DOOR-S-15.2GW-PS-19-240718-L-G	512354-001		Wipe	07/18/24	Stage 2A
1	DOOR-S-15.6GW-INT-17 TO 18-240718-L-CB	512354-003		Wipe	07/18/24	Stage 2A
4	240718-L-FIELDBLANK1-LO	512354-004	FB	Wipe	07/18/24	Stage 2A
5	240718-L-MEDBLANK1-LO	512354-005	FB	Wipe	07/18/24	Stage 2A

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 512354

Laboratory: Enthalpy Orange

EDD Filename: Prep512354

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B

Matrix: WIPE

<i>Analyte</i>	<i>Sample</i>	<i>Concentration (ug/ft2)</i>	<i>Flag</i>
LEAD	240718-L- FIELDBLANK1-LO	3.4	No Qualifiers Applied

Quality Control Outlier Reports

512355

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454B3b
SDG #: 512355
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
Page: 1 of 1
Reviewer: FJ
2nd Reviewer: BM

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A/A	
II	Initial calibration	Δ	0% PSD/461 = 2.0 CV ≤ 15
III	Continuing calibration	Δ	CV ≤ 15
IV	Laboratory Blanks	Δ	
V	Field blanks	ND	FB = 240718 - P - FIELD BLANKI - HU
VI	Surrogate spikes 115	A/A	1512356
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory control samples	Δ	LC > 10
IX	Field duplicates	N	
X	Target analyte quantitation	Δ	
XI	Target analyte identification	Δ	
XII	Overall assessment of data	Δ	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GW-PS-21-240718-P-G	512355-001		Wipe	07/18/24	Stage 3
2	ARCH-SGW-DG-5.5 TO 17-240718-P-LA	512355-003		Wipe	07/18/24	Stage 3
2	DOOR-S-15.3GW-DG-7 TO 20-240718-P-LA	512355-005		Wipe	07/18/24	Stage 3
4	DOOR-S-15.4GW-PS-20-240718-P-G	512355-008		Wipe	07/18/24	Stage 3
5	DOOR-S-15.3GW-INT-19 TO 20-240718-P-CB	512355-010		Wipe	07/18/24	Stage 3

345600

Notes:

LDC #: 5949436

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: BMethod: ✓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) $\leq$ 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) $\leq$ 20% <u>15%</u> ?	☒	☐	☐	
III. Continuing calibration				
Was a continuing calibration analyzed daily?	☒	☐	☐	
Were all percent differences (%D) $\leq$ 20% <u>15%</u> ?	☒	☐	☐	
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 #: 59454 B3b

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: PT

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		/		
Were target analytes detected in the field duplicates?			/	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
Were relative percent difference (RPD) of the results between two columns < 40%?	/			All ND
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	/			
Were manual integrations reviewed and found acceptable?	/			
Did the laboratory provide before and after integration printouts?	/			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$CF = A/C$$

$$\text{average CF} = \text{sum of the CF/number of standards}$$

$$\%RSD = 100 * (S/X)$$

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/28/2024	Aroclor 1016-1 ChA	0.0170	0.0170	0.0175	0.0175	16	16
	GC07		Aroclor 1016-1 ChB	0.0214	0.0214	0.0211	0.0211	18	18

LDC #: 59454B3b**VALIDATION FINDINGS WORKSHEET**
Continuing Calibration Results VerificationPage: 1 of 1
Reviewer: FTMETHOD: 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:

$$\% \text{ Difference} = 100 * (\text{ave. CF} - \text{CF}) / \text{ave. CF}$$

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	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	ceV	7/22/24 1036	Aroclor 1016 ch A	500.0	492.2	492.2	2	2
			Aroclor 1016 ch B	500.0	517.6	517.6	4	4
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 59454836

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

 Where: SF = Surrogate Found
 SS = Surrogate Spiked
Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50.0	42.8919	86	86	0
PCB	↓	↓	51.2424	102	102	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Triphenyltin	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 #: 39454B3b

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC}/\text{SA})$$

$$RPD = ((\{SSCLCS - SSCLCSD\} * 2) / (SSCLCS + SSCLCSD)) * 100$$

Where SSC = Spiked sample concentration

LCS = Laboratory Control Sample

SA = Spike added

LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 345600 LCS 17

[illegible]

Comments:

LDC #: 59454 B3b

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page: 1 of 1
Reviewer: FT

METHOD: ☒ GC ☐ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)(F_v)(D_f)}{(RF)(V_s \text{ or } W_s)(\%S/100)}$$

Example:

Sample ID. 345600-105 Aroclor 1016

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

$$\begin{aligned} \text{Concentration} &= \frac{(446.9)(10)}{(1)(1000)} = \\ &= 4.469 \text{ ug } / 100 \text{ cm}^2 \end{aligned}$$

#	Sample ID	Target analyte	Reported Concentrations (<u>ug</u> / 100 <u>cm</u> ²)	Recalculated Results Concentrations (<u>ug</u> / 100 <u>cm</u> ²)	Qualifications
	<u>105</u>	<u>Aroclor 1016</u>	<u>4.469</u>	<u>4.469</u>	
	<u>Aroclor 1016-1 =</u>	<u>5353598.494 (20.0)</u>		<u>1016-1 = 451.0</u>	
		<u>11242878.190 (0.0211)</u>		<u>2 = 434.5</u>	
				<u>3 = 445.6</u>	
		<u>= 451.0</u>		<u>4 = 432.9</u>	
				<u>5 = 470.5</u>	
				<u>484.7 F7 446.9</u>	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454B4b
SDG #: 512355
Laboratory: Enthalpy Analytical, Orange, CA

Method: Lead by (EPA SW-846 Method 6010B)

Date: 8/8/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: *13m*

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A/A	
II	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(3,4)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note:

A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = Not detected
NQ = Not qualified
FD = Field duplicate

FT = Field triplicate
TB = Trip blank
FB = Field blank

AB= Ambient blank
SB = Source blank
EB = Equipment blank

R = Rinsate

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GW-PS-21-240718-L-G	512355-002		Wipe	07/18/24	Stage 3
2	ARCH-SGW-DG-5.5 TO 17-240718-L-LA	512355-004		Wipe	07/18/24	Stage 3
2	DOOR-S-15.3GW-DG-7 TO 20-240718-L-LA	512355-004	FD	Wipe	07/18/24	Stage 3
4	DOOR-S-15.3GW-DG-7 TO 20-240718-L-DUP-LA	512355-007	FD	Wipe	07/18/24	Stage 3
5	DOOR-S-15.4GW-PS-20-240718-L-G	512355-009		Wipe	07/18/24	Stage 3
6	DOOR-S-15.3GW-INT-19 TO 20-240718-L-CB	512355-011		Wipe	07/18/24	Stage 3

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-6	Wipe	6010B	Pb

Comments:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isotopes 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 specified by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identified in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Field Duplicate RPD Report

Lab Reporting Batch ID: 512355

Laboratory: Enthalpy Orange

EDD Filename: 512355

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.3GW-DG-7 TO 20-240718-L-LA	DOOR-S-15.3GW-DG-7 TO 20-240718-L-DUP-			
LEAD	240	54	127	100.00	J (all detects) UJ (all non-detects)

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	3	4		
Lead	240	54	127	J/U/J/A

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial 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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	0.984	1	98	98	Y
CCV	ICP	Pb	1.029	1	103	103	Y
LLCC	ICP	Pb			NA	NA	
ICSAB	ICP	Pb	1.061	1	106	106	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
NA	Mass Axis			± 0.1 amu
NA	%RSD			≤ 5%

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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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:

$$RPD = (\text{Absolute value}(S-D) \times 200) / (S+D)$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value}(I - \text{SDR})) \times 100 / (I)$$

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1170952	LCS	Pb	52.53	50	105	105	Y
NA	MS	Pb			NA	NA	Y
QC1170952,53	Duplicate	Pb	52.53	51.21	3	3	Y
NA	PDS	Pb			NA	NA	
NA	Serial dilution	Pb			NA	NA	Y

Sample Calculation Verification

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (mL)	Reported Result (mg/ft^2)	Recalculated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	1.511	1	1.0828	50	70	70	Y
2	↓	5.122	1	1.0414	50	250	246	Y
2	↓	4.968	1	1.0276	50	240	242	Y
4	↓	1.104	1	1.0276	50	54	54	Y
5	↓	2.381	1	1.0828	50	110	110	Y
6	↓	2.829	1	1	50	140	141	Y

Quality Control Outlier Reports

~~512356~~

SDG# 512356 does not contain samples collected
within the Low Occupancy Area of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454C3b
SDG #: 512356
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
Page: 1 of 1
Reviewer: FT
2nd Reviewer: *FT*

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A/A	
II	Initial calibration	Δ	% RSD ≤ 20 CV ≤ 15
III	Continuing calibration	Δ	CV ≤ 15
IV	Laboratory Blanks	A	
V	Field blanks	ND	FB = 7
VI	Surrogate spikes 1/19	A/A	
VII	Matrix spike/Matrix spike duplicates	N	CS
VIII	Laboratory control samples	Δ	100% ID
IX	Field duplicates	ND	D = 4.5
X	Target analyte quantitation	Δ	
XI	Target analyte identification	Δ	
XII	Overall assessment of data	Δ	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.6GW-DG-4 TO 17-240718-P-LA	512356-001		Wipe	07/18/24	Stage 3
2	DOOR-S-15.4GW-EXT-3 TO 4-240718-P-CB	512356-001		Wipe	07/18/24	Stage 3
2	DOOR-S-15.2GW-DG-4 TO 17-240718-P-LA	512356-006		Wipe	07/18/24	Stage 3
4	DOOR-S-15.1GW-INT-17 TO 18-240718-P-CB	512356-006	FD	Wipe	07/18/24	Stage 3
5	DOOR-S-15.1GW-INT-17 TO 18-240718-PDUP-CB	512356-009	FD	Wipe	07/18/24	Stage 3
6	DOOR-S-15.6GW-PS-17-240718-P-LA	512356-011		Wipe	07/18/24	Stage 3
7	240718-P-FIELDBLANK1-HO	512356-013	FB	Wipe	07/18/24	Stage 3

345600

Notes:

LDC #: 59494036

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: PJMethod: 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) $\leq 20\%$? <u>15%</u>	☒	☐	☐	
III. Continuing calibration				
Was a continuing calibration analyzed daily?	☒	☐	☐	
Were all percent differences (%D) $\leq 20\%$? <u>15%</u>	☒	☐	☐	
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 #: 99494036

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: PA

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	☒	☐	☐	
Were target analytes detected in the field duplicates?	☐	☒	☐	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	☒	☐	☐	
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	☒	☐	☐	
Were relative percent difference (RPD) of the results between two columns $\leq 40\%$?	☒	☐	☐	All ND
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	☒	☐	☐	
Were manual integrations reviewed and found acceptable?	☒	☐	☐	
Did the laboratory provide before and after integration printouts?	☒	☐	☐	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	☒	☐	☐	

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$CF = A/C$$

$$\text{average CF} = \text{sum of the CF/number of standards}$$

$$\%RSD = 100 * (S/X)$$

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/28/2024	Aroclor 1260-1 ChA	0.0504	0.0504	0.0536	0.0536	18	18
	GC07		Aroclor 1260-1 ChB	0.0601	0.0601	0.0579	0.0579	18	18

LDC #: 59454c3b**VALIDATION FINDINGS WORKSHEET**
Continuing Calibration Results VerificationPage: 1 of 1
Reviewer: FTMETHOD: 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:

$$\% \text{ Difference} = 100 * (\text{ave. CF} - \text{CF}) / \text{ave. CF}$$

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	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	cen	7/22/24 1036	Aroclor 1260 ch A	500	543.9	543.9	9	9
			↓ B	↓	547.6	547.6	10	10
2	cen	7/22/24 1905	↓	↓	561.8	561.8	12	12
				↓	554.2	554.2	11	11
3								
4			1					

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 59454 C3b

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

Page: 1 of 1
 Reviewer: FT

METHOD: ✓ GC HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
 SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	Ch B	50	42.9508	86	86	0
DCB	↓	↓	44.0920	88	88	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Triphenyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 59494c3b

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC}/\text{SA})$$
$$RPD = ((\{SSCLCS - SSCLCSD\} * 2) / (SSCLCS + SSCLCSD)) * 100$$

Where SSC = Spiked sample concentration

LCS = Laboratory Control Sample

SA = Spike added

LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 345600 - les 17

[illegible]

Comments:

LDC #: 59454C3b

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page: 1 of 1
Reviewer: FT

METHOD: ✓ GC HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)(F_v)(D_f)}{(RF)(V_s \text{ or } W_s)(\%S/100)}$$

Example:

Sample ID. 345600-10-5 Aroclor 1260

$$\text{Concentration} = \frac{484.24 (10)}{(1) (1000)} = 4.8424$$

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

#	Sample ID	Target analyte	Reported Concentrations (<u>ug/100dm²</u>)	Recalculated Results Concentrations (<u>ug/100dm</u>)	Qualifications
	<u>les</u>	<u>Aroclor 1260</u>	<u>4.843</u>	<u>4.8424</u>	
					<u>FT</u>
	<u>Aroclor 1260-1</u>	<u>= 16304257.4 (20.0)</u>	<u>= 501</u>	<u>1260-1 = 501.0</u>	
		<u>11242878.1 (0.0579)</u>		<u>-2 = 501.7</u>	
				<u>3 = 530.0</u>	
				<u>4 = 425.0</u>	
				<u>5 = 463.6</u>	
				<u>484.24</u>	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454C4b
 SDG #: 512356
 Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
 Page: 1 of 1
 Reviewer: JC
 2nd Reviewer: *ABN*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A/A	
II	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(1,2)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	512356-002	FD	Wipe	07/18/24	Stage 3
2	DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-LA	512356-003	FD	Wipe	07/18/24	Stage 3
1	DOOR-S-15.4GW-EXT-3 TO 4-240718-L-CB	512356-002		Wipe	07/18/24	Stage 3
1	DOOR-S-15.2GW-DG-4 TO 17-240718-L-LA	512356-002		Wipe	07/18/24	Stage 3
5	DOOR-S-15.1GW-INT-17 TO 18-240718-L-CB	512356-010		Wipe	07/18/24	Stage 3
6	DOOR-S-15.6GW-PS-17-240718-L-LA	512356-012		Wipe	07/18/24	Stage 3

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-6	Wipe	6010B	Pb

Comments:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isotopes 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 specified by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identified in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?	Yes			
If the recoveries were outside the limits, was a reanalysis performed?	Yes			
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Field Duplicate RPD Report

Lab Reporting Batch ID: 512356

Laboratory: Enthalpy Orange

EDD Filename: 512356

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.6GW-DG-4 TO 17-240718-L-LA	DOOR-S-15.6GW-DG-4 TO 17-240718-L-DUP-			
LEAD	440	290	41	100.00	No Qualifiers Applied

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	1	2		
Lead	440	290	41	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial 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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	0.984	1	98	98	Y
CCV	ICP	Pb	1.038	1	104	104	Y
LLCC	ICP				NA	NA	
ICSAB	ICP	Pb	1.061	1	104	104	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
NA	Mass Axis			± 0.1 amu
NA	%RSD			≤ 5%

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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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:

$$\text{RPD} = (\text{Absolute value}(S-D) \times 200) / (S+D)$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value}(I - \text{SDR})) \times 100 / (I)$$

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1170952	LCS	Pb	52.53	50	105	105	Y
NA	MS				NA	NA	
QC1170952,53	Duplicate	Pb	52.53	51.21	3	3	Y
NA	PDS				NA	NA	Y
NA	Serial dilution				NA	NA	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Analytes were recalculated and verified using the following equation:

$$\text{Concentration} = (\text{Result from raw data} \times \text{Final volume} \times \text{Dilution factor}) / (\text{Initial volume})$$

Matrix: Wipe

$$\text{Concentration} = ((\text{Result from raw data} \times \text{Final Vol.} \times \text{Dilution Factor}) / (\text{Area of Wipe Sample})) \times \text{Unit Conversions}$$

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (mL)	Reported Result (mg/ft^2)	Recalculated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	4.493	2	1.0276	50	440	437	Y
2	↓	6.026	1	1.0276	50	290	293	Y
3	↓	5.073	1	1	50	250	254	Y
4	↓	6.139	1	1.0276	50	300	299	Y
5	↓	3.753	1	1	50	190	188	Y
6	↓	7.475	1	1.0276	50	300	364	Y

Quality Control Outlier Reports

512437

SDG# 512437 does not contain samples collected
within the Low Occupancy Area of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59454D4b
SDG #: 512437
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/8/2024
Page: 1 of 1
Reviewer: *BM*
2nd Reviewer: *MG*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A	
II	Laboratory Blanks	A	
III	Field blanks	SW	FB= 21, 23 MEDBLANK= 22, 24
IV	Matrix spike/Matrix spike duplicates	N	
V	Duplicate Sample Analysis	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VII	Field duplicates	SW	FB= 21, 8/7
IX	Overall assessment of data	A	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.2GW-EXT-3 TO 4-240718-L-CB	512437-001	FD1	Wipe	07/18/24	Stage 2A
2	DOOR-S-15.2GW-EXT-3 TO 4-240718-L-DUP- CB	512437-002	FD1	Wipe	07/18/24	Stage 2A
3	DOOR-S-15.5GW-PS-17-240718-L-G	512437-002		Wipe	07/18/24	Stage 2A
4	DOOR-S-15.5GW-PS-17-240718-L-G	512437-004		Wipe	07/18/24	Stage 2A
5	DOOR-S-15.6GW-DG-3 TO 16-240718-L-G	512437-005		Wipe	07/18/24	Stage 2A
6	DOOR-S-15.5GW-INT-16 TO 17-240718-L-CB	512437-006		Wipe	07/18/24	Stage 2A
7	DOOR-S-15.4GW-DG-3 TO 16-240718-L-LA	512437-002	FD2	Wipe	07/18/24	Stage 2A
8	DOOR-S-15.4GW-DG-3 TO 16-240718-L-DUP- LA	512437-008	FD2	Wipe	07/18/24	Stage 2A
9	DOOR-S-15.3GW-DG-3 TO 16-240718-L-LA	512437-009		Wipe	07/18/24	Stage 2A
10	DOOR-S-15.2GW-INT-16 TO 17-240718-L-CB	512437-010		Wipe	07/18/24	Stage 2A
11	DOOR-S-15.1GW-ENT-2 TO 3-240718-L-CB	512437-011		Wipe	07/18/24	Stage 2A
11	DOOR-S-15.6GW-PS-16-240718-L-G	512437-011		Wipe	07/18/24	Stage 2A
13	DOOR-S-15.6GW-PS-16-240718-L-G	512437-013		Wipe	07/18/24	Stage 2A
14	AFRAME-SGW-LAT-L1-HS-3-240718-L-A	512437-014		Wipe	07/18/24	Stage 2A
15	AFRAME-SGW-MED-L1-HS-3-240718-L-A	512437-015		Wipe	07/18/24	Stage 2A
16	AFRAME-C14W-MED-L1-UP-C14.1-DG-240718-L-SS	512437-016		Wipe	07/18/24	Stage 2A
17	AFRAME-C14W-MED-L1-UP-C14.6-DG- 240718-L-SS	512437-017		Wipe	07/18/24	Stage 2A
18	DOOR-S-15.1GW-DG-1 TO 2-240718-L-LA	512437-016		Wipe	07/18/24	Stage 2A
19	DOOR-S-15.4GW-INT-1 TO 16-240718-L-CB	512437-013		Wipe	07/18/24	Stage 2A
10	AFRAME-C14W-MED-L1-DN-C14.7-DG- 240718-L-SS	512437-020		Wipe	07/18/24	Stage 2A
21	240718-L-FIELDBLANK1-HO	512437-021	FB	Wipe	07/18/24	Stage 2A
22	240718-L-MEDBLANK1-HO	512437-022	FB	Wipe	07/18/24	Stage 2A
22	240718-L-FIELDBLANK2-HO	512437-022	FB	Wipe	07/18/24	Stage 2A
24	240718-L-MEDBLANK2-HO	512437-024	FB	Wipe	07/18/24	Stage 2A
25	DOOR-S-15.5GW-DG-1 TO 2-240718-L-LA	512437-025		Wipe	07/18/24	Stage 2A

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 512437

Laboratory: Enthalpy Orange

EDD Filename: Prep512437

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B

Matrix: WIPE

Analyte	Sample	Concentration (ug/ft2)	Flag
LEAD	240718-L- FIELDBLANK1-HO	6.9	No Qualifiers Applied
	240718-L- FIELDBLANK2-HO	4.6	

Field Duplicate RPD Report

Lab Reporting Batch ID: 512437

Laboratory: Enthalpy Orange

EDD Filename: 512437

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.2GW-EXT-3 TO 4-240718-L-	DOOR-S-15.2GW-EXT-3 TO 4-240718-L-			
LEAD	230	230	0	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.4GW-DG-3 TO 16-240718-L-LA	DOOR-S-15.4GW-DG-3 TO 16-240718-L-DUP-			
LEAD	320	110	98	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

8/12/2024 8:54:56 AM

ADR version 1.9.0.325

Page 1 of 1



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

August 29, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on August 12, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #59499:

SDG #

Fraction

513148, 513149, 513150, 513228, 513457

Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A & 3 guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Michael Giangiordano
mgiangiordano@lab-data.com
Project Manager

LDC	SDG#	Received Date	(3) Due Date	Validation Level	PCBs (EPA 8082)	Pb (EPA 6010B)
Matrix Type:					WP	WP
A	513148	8/12/24	9/3/24	Stage 2A	0	31
B	513149	8/12/24	9/3/24	Stage 2A	0	7
C	513150	8/12/24	9/3/24	Stage 3	7	6
D	513228	8/12/24	9/3/24	Stage 3	5	6
E	513457	8/12/24	9/3/24	Stage 2A	0	6
Total	PM: MG				12	56

These sample counts do not include DLs, REs, MS/MSD, and DUPs.

Automated Data Review Data Validation Report

Hangar 1 NTCRA

Sample Delivery Groups

513148

513149

513150

513228

513457

Only the highlighted SDGs contain samples
that were collected within the Low Occupancy
Area of Zone 8.

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the July through August 2024 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082

Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082

One field blank was collected and analyzed. No contaminants were found.

6010B

Three media blanks were collected and analyzed. No contaminants were found.

Three field blanks were collected and analyzed. Two field blanks had detections for lead. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports are presented in Enclosure I.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082

One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B

Five field duplicate pairs were collected and analyzed. Five field duplicate pairs had detections for lead. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024)

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 513148

Method: 6010B

240731-L-FIELDBLANK1-HO	513148-027	WIPE	FB	3050B	7/31/2024 10:15:00 AM	S2AVE
240731-L-FIELDBLANK2-HO	513148-029	WIPE	FB	3050B	7/31/2024 7:27:00 AM	S2AVE
240731-L-MEDBLANK1-HO	513148-028	WIPE	FB	3050B	7/31/2024 12:30:00 PM	S2AVE
240731-L-MEDBLANK2-HO	513148-030	WIPE	FB	3050B	7/31/2024 12:40:00 PM	S2AVE
DOOR-S-15.5GE-PS-16-240731-L-LA	513148-013	WIPE	N	3050B	7/31/2024 9:00:00 AM	S2AVE
DOOR-S-15.5GE-PS-17-240731-L-G	513148-002	WIPE	N	3050B	7/31/2024 10:20:00 AM	S2AVE
DOOR-S-15.6GE-DG-3 TO 16-240731-L-DUP-LA	513148-008	WIPE	FD	3050B	7/31/2024 8:35:00 AM	S2AVE
DOOR-S-15.6GE-DG-3 TO 16-240731-L-LA	513148-007	WIPE	N	3050B	7/31/2024 8:35:00 AM	S2AVE
DOOR-S-15.6GE-INT-1 TO 16-240731-L-CB	513148-031	WIPE	N	3050B	7/31/2024 11:20:00 AM	S2AVE
DOOR-S-15.6GE-PS-16-240731-L-G	513148-016	WIPE	N	3050B	7/31/2024 10:05:00 AM	S2AVE
DOOR-S-15.7GE-EXT-2 TO 3-240731-L-CB	513148-015	WIPE	N	3050B	7/31/2024 8:50:00 AM	S2AVE
DOOR-S-15.7GE-INT-1 TO 16-240731-L-CB	513148-021	WIPE	N	3050B	7/31/2024 11:10:00 AM	S2AVE
DOOR-S-15.7GE-PS-17-240731-L-G	513148-003	WIPE	N	3050B	7/31/2024 10:30:00 AM	S2AVE
DOOR-S-15.7GW-DG-1' TO 2-240731-L-LA	513148-026	WIPE	N	3050B	7/31/2024 10:25:00 AM	S2AVE
DOOR-S-15.7GW-EXT-2 TO 3-240731-L-CB	513148-012	WIPE	N	3050B	7/31/2024 8:00:00 AM	S2AVE
DOOR-S-15.7GW-PS-16-240731-L-LA	513148-014	WIPE	N	3050B	7/31/2024 9:15:00 AM	S2AVE
DOOR-S-15.7GW-PS-17-240731-L-G	513148-006	WIPE	N	3050B	7/31/2024 7:30:00 AM	S2AVE
DOOR-S-15.8GE-INT-1 TO 16-240731-L-CB	513148-022	WIPE	N	3050B	7/31/2024 11:00:00 AM	S2AVE
DOOR-S-15.8GE-INT-16 TO 17-240731-L-CB	513148-009	WIPE	N	3050B	7/31/2024 8:25:00 AM	S2AVE
DOOR-S-15.8GE-PS-16-240731-L-G	513148-017	WIPE	N	3050B	7/31/2024 9:55:00 AM	S2AVE

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
Method: 6010B						
DOOR-S-15.8GE-PS-17-240731-L-G	513148-004	WIPE	N	3050B	7/31/2024 7:45:00 AM	S2AVE
DOOR-S-15.8GW-DG-1' TO 2-240731-L-LA	513148-025	WIPE	N	3050B	7/31/2024 10:35:00 AM	S2AVE
DOOR-S-15.8GW-DG-3 TO 16-240731-L-LA	513148-011	WIPE	N	3050B	7/31/2024 8:05:00 AM	S2AVE
DOOR-S-15.8GW-PS-16-240731-L-G	513148-020	WIPE	N	3050B	7/31/2024 9:30:00 AM	S2AVE
DOOR-S-15.9GE-DG-4 TO 17-240731-L-LA	513148-001	WIPE	N	3050B	7/31/2024 10:05:00 AM	S2AVE
DOOR-S-15.9GE-INT-1 TO 16-240731-L-CB	513148-018	WIPE	N	3050B	7/31/2024 9:40:00 AM	S2AVE
DOOR-S-15.9GE-INT-1 TO 16-240731-L-DUP-CB	513148-019	WIPE	FD	3050B	7/31/2024 9:40:00 AM	S2AVE
DOOR-S-15.9GE-INT-1' TO 2-240731-L-LA	513148-023	WIPE	N	3050B	7/31/2024 11:05:00 AM	S2AVE
DOOR-S-15.9GW-DG-3 TO 16-240731-L-LA	513148-010	WIPE	N	3050B	7/31/2024 8:15:00 AM	S2AVE
DOOR-S-15.9GW-INT-1 TO 16-240731-L-CB	513148-024	WIPE	N	3050B	7/31/2024 10:45:00 AM	S2AVE
DOOR-S-15.9GW-PS-17-240731-L-G	513148-005	WIPE	N	3050B	7/31/2024 7:35:00 AM	S2AVE

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 513149

Method: 6010B

240731-L-FIELDBLANK1-LO	513149-006	WIPE	FB	3050B	7/31/2024 8:00:00 AM	S2AVE
240731-L-MEDBLANK1-LO	513149-007	WIPE	FB	3050B	7/31/2024 12:35:00 PM	S2AVE
DOOR-S-15.7GE-EXT-5 TO 6-240731-L-CB	513149-002	WIPE	N	3050B	7/31/2024 8:45:00 AM	S2AVE
DOOR-S-15.7GE-PS-18-240731-L-G	513149-005	WIPE	N	3050B	7/31/2024 9:10:00 AM	S2AVE
DOOR-S-15.7GW-INT-18 TO 19-240731-L-CB	513149-003	WIPE	N	3050B	7/31/2024 8:50:00 AM	S2AVE
DOOR-S-15.9GE-INT-19 TO 20-240731-L-CB	513149-001	WIPE	N	3050B	7/31/2024 8:35:00 AM	S2AVE
DOOR-S-15.9GW-DG-5 TO 18-240731-L-LA	513149-004	WIPE	N	3050B	7/31/2024 9:00:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/29/2024)

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 513150

Method: 6010B

DOOR-S-15.5GE-INT-17 TO 18-240731-L-CB	513150-002	WIPE	N	3050B	7/31/2024 9:20:00 AM	S3VEM
DOOR-S-15.5GE-INT-17 TO 18-240731-L-DUP-CB	513150-003	WIPE	FD	3050B	7/31/2024 9:20:00 AM	S3VEM
DOOR-S-15.6GE-EXT-3 TO 4-240731-L-CB	513150-005	WIPE	N	3050B	7/31/2024 9:30:00 AM	S3VEM
DOOR-S-15.7GW-DG-4 TO 17-240731-L-LA	513150-010	WIPE	N	3050B	7/31/2024 9:50:00 AM	S3VEM
DOOR-S-15.8GE-DG-4 TO 17-240731-L-LA	513150-007	WIPE	N	3050B	7/31/2024 9:40:00 AM	S3VEM
DOOR-S-15.8GW-EXT-3 TO 4-240731-L-CB	513150-012	WIPE	N	3050B	7/31/2024 10:10:00 AM	S3VEM

Method: 8082

240731-P-FIELDBLANK1-HO	513150-013	WIPE	FB	3546	7/31/2024 10:15:00 AM	S3VEM
DOOR-S-15.5GE-INT-17 TO 18-240731-P-CB	513150-001	WIPE	N	3546	7/31/2024 9:20:00 AM	S3VEM
DOOR-S-15.6GE-EXT-3 TO 4-240731-P-CB	513150-004	WIPE	N	3546	7/31/2024 9:30:00 AM	S3VEM
DOOR-S-15.7GW-DG-4 TO 17-240731-P-DUP-LA	513150-009	WIPE	FD	3546	7/31/2024 9:50:00 AM	S3VEM
DOOR-S-15.7GW-DG-4 TO 17-240731-P-LA	513150-008	WIPE	N	3546	7/31/2024 9:50:00 AM	S3VEM
DOOR-S-15.8GE-DG-4 TO 17-240731-P-LA	513150-006	WIPE	N	3546	7/31/2024 9:40:00 AM	S3VEM
DOOR-S-15.8GW-EXT-3 TO 4-240731-P-CB	513150-011	WIPE	N	3546	7/31/2024 10:10:00 AM	S3VEM

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024)

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 513228

Method: 6010B

DOOR-S-15.6GE-DG-7 TO 20-240731-L-LA	513228-004	WIPE	N	3050B	7/31/2024 7:45:00 AM	S3VEM
DOOR-S-15.7GE-INT-20 TO 21-240731-L-CB	513228-006	WIPE	N	3050B	7/31/2024 7:55:00 AM	S3VEM
DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-LA	513228-011	WIPE	FD	3050B	7/31/2024 8:20:00 AM	S3VEM
DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA	513228-010	WIPE	N	3050B	7/31/2024 8:20:00 AM	S3VEM
DOOR-S-15.8GW-DG-6 TO 20-240731-L-LA	513228-008	WIPE	N	3050B	7/31/2024 8:10:00 AM	S3VEM
DOOR-S-15.8GW- PS-21-240731-L-G	513228-002	WIPE	N	3050B	7/31/2024 7:30:00 AM	S3VEM

Method: 8082

DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA	513228-003	WIPE	N	3546	7/31/2024 7:45:00 AM	S3VEM
DOOR-S-15.7GE-INT-20 TO 21-240731-P-CB	513228-005	WIPE	N	3546	7/31/2024 7:55:00 AM	S3VEM
DOOR-S-15.8GE-DG-6 TO 19-240731-P-LA	513228-009	WIPE	N	3546	7/31/2024 8:20:00 AM	S3VEM
DOOR-S-15.8GW-DG-6 TO 20-240731-P-LA	513228-007	WIPE	N	3546	7/31/2024 8:10:00 AM	S3VEM
DOOR-S-15.8GW- PS-21-240731-P-G	513228-001	WIPE	N	3546	7/31/2024 7:30:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024)

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 513457

Method: 6010B

DOOR-S-15.6GE-PS-16-240805-L-G	513457-003	WIPE	N	3050B	8/5/2024 11:40:00 AM	S2AVE
DOOR-S-15.7GW-DG-1' TO 2-240805-L-LA	513457-006	WIPE	N	3050B	8/5/2024 12:05:00 PM	S2AVE
DOOR-S-15.7GW-EXT-2 TO 3-240805-L-CB	513457-002	WIPE	N	3050B	8/5/2024 11:30:00 AM	S2AVE
DOOR-S-15.8GW-DG-3 TO 16-240805-L-LA	513457-001	WIPE	N	3050B	8/5/2024 11:20:00 AM	S2AVE
DOOR-S-15.9GE-INT-1 TO 16-240805-L-CB	513457-004	WIPE	N	3050B	8/5/2024 11:50:00 AM	S2AVE
DOOR-S-15.9GE-INT-1 TO 16-240805-L-DUP-CB	513457-005	WIPE	FD	3050B	8/5/2024 11:50:00 AM	S2AVE

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 8.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/27/2024)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Validation Label Legend

<i>Label Code</i>	<i>Label Description</i>	<i>EPA Level</i>
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 513148

Laboratory: Enthalpy Orange

EDD Filename: 513148

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 513149

Laboratory: Enthalpy Orange

EDD Filename: 513149

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 513150

Laboratory: Enthalpy Orange

EDD Filename: 513150

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 513228

Laboratory: Enthalpy Orange

EDD Filename: 513228

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 513457

Laboratory: Enthalpy Orange

EDD Filename: 513457

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

~~513148~~

SDG# 513148 does not contain samples
collected within the Low Occupancy Area
of Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499A4b
SDG #: 513148
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
Page: 1 of 2
Reviewer: *BN*
2nd Reviewer: *ML*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A	
II	Laboratory Blanks	A	
III	Field blanks	SW	FB = 27, 28, 29 MEDBLANK = 28, 30
IV	Matrix spike/Matrix spike duplicates	N	
V	Laboratory Duplicates	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	SW	FD = 8/7 19/18
IX	Overall assessment of data	A	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.9GE-DG-4 TO 17-240731-L-LA	513148-001		Wipe	07/31/24	Stage 2A
2	DOOR-S-15.5GE-PS-17-240731-L-G	513148-002		Wipe	07/31/24	Stage 2A
1	DOOR-S-15.7GE-PS-17-240731-L-G	513148-003		Wipe	07/31/24	Stage 2A
4	DOOR-S-15.5GE-PS-17-240731-L-G	513148-004		Wipe	07/31/24	Stage 2A
1	DOOR-S-15.9GW-PS-17-240731-L-G	513148-003		Wipe	07/31/24	Stage 2A
6	DOOR-S-15.7GW-PS-17-240731-L-G	513148-002		Wipe	07/31/24	Stage 2A
7	DOOR-S-15.6GE-DG-3 TO 16-240731-L-LA	513148-002	FD1	Wipe	07/31/24	Stage 2A
8	DOOR-S-15.6GE-DG-3 TO 16-240731-L-DUP-LA	513148-003	FD1	Wipe	07/31/24	Stage 2A
9	DOOR-S-15.8GE-INT-16 TO 17-240731-L-CB	513148-009		Wipe	07/31/24	Stage 2A
10	DOOR-S-15.9GW-DG-3 TO 16-240731-L-LA	513148-010		Wipe	07/31/24	Stage 2A
11	DOOR-S-15.8GW-DG-3 TO 16-240731-L-LA	513148-011		Wipe	07/31/24	Stage 2A
12	DOOR-S-15.7GW-EXT-2 TO 3-240731-L-CB	513148-011		Wipe	07/31/24	Stage 2A
13	DOOR-S-15.5GE-PS-16-240731-L-LA	513148-013		Wipe	07/31/24	Stage 2A
14	DOOR-S-15.7GW-PS-16-240731-L-LA	513148-011		Wipe	07/31/24	Stage 2A
15	DOOR-S-15.7GE-EXT-2 TO 3-240731-L-CB	513148-015		Wipe	07/31/24	Stage 2A
16	DOOR-S-15.6GE-PS-16-240731-L-G	513148-010		Wipe	07/31/24	Stage 2A
11	DOOR-S-15.8GE-PS-16-240731-L-G	513148-017		Wipe	07/31/24	Stage 2A
18	DOOR-S-15.9GE-INT-1 TO 16-240731-L-CB	513148-018	FD2	Wipe	07/31/24	Stage 2A
19	DOOR-S-15.9GE-INT-1 TO 16-240731-L-DUP-CB	513148-019	FD2	Wipe	07/31/24	Stage 2A
20	DOOR-S-15.8GW-PS-16-240731-L-G	513148-010		Wipe	07/31/24	Stage 2A
21	DOOR-S-15.7GE-INT-1 TO 16-240731-L-CB	513148-021		Wipe	07/31/24	Stage 2A
22	DOOR-S-15.8GE-INT-1 TO 16-240731-L-CB	513148-022		Wipe	07/31/24	Stage 2A
23	DOOR-S-15.9GE-INT-1' TO 2-240731-L-LA	513148-021		Wipe	07/31/24	Stage 2A
24	DOOR-S-15.9GW-INT-1 TO 16-240731-L-CB	513148-024		Wipe	07/31/24	Stage 2A
24	DOOR-S-15.8GW-DG-1' TO 2-240731-L-LA	513148-025		Wipe	07/31/24	Stage 2A
24	DOOR-S-15.8GW-DG-1' TO 2-240731-L-LA	513148-010		Wipe	07/31/24	Stage 2A
23	240731-L-FIELDBLANK1-HO	513148-017	FB	Wipe	07/31/24	Stage 2A
28	240731-L-MEDBLANK1-HO	513148-028	FB	Wipe	07/31/24	Stage 2A

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499A4b
SDG #: 513148
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
Page: 2 of 2
Reviewer:
2nd Reviewer:

Method: Lead by (EPA SW-846 Method 6010B)

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
29	240731-L-FIELDBLANK2-HO	513148-029	FB	Wipe	07/31/24	Stage 2A
30	240731-L-MEDBLANK2-HO	513148-029	FB	Wipe	07/31/24	Stage 2A
31	DOOR-S-15.6GE-INT-1 TO 16-240731-L-CB	513148-031		Wipe	07/31/24	Stage 2A

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 513148

EDD Filename: Prep513148

Laboratory: Enthalpy Orange

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B

Matrix: WIPE

Analyte	Sample	Concentration (ug/ft2)	Flag
LEAD	240731-L-FIELDBLANK1-HO	0.97	No Qualifiers Applied
	240731-L-FIELDBLANK2-HO	6.9	

Field Duplicate RPD Report

Lab Reporting Batch ID: 513148

Laboratory: Enthalpy Orange

EDD Filename: 513148

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.9GE-INT-1 TO 16-240731-L-CB	DOOR-S-15.9GE-INT-1 TO 16-240731-L-DUP-			
LEAD	420	290	37	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.6GE-DG-3 TO 16-240731-L-LA	DOOR-S-15.6GE-DG-3 TO 16-240731-L-DUP-			
LEAD	340	310	9	100.00	No Qualifiers Applied

Quality Control Outlier Reports

513149

(No Outliers)

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499B4b
 SDG #: 513149
 Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
 Page: 1 of 1
 Reviewer: *ABN*
 2nd Reviewer: *ML*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A	
II	Laboratory Blanks	A	
III	Field blanks	ND	FB=16 MEDBLANK=7
IV	Matrix spike/Matrix spike duplicates	N	
V	Laboratory Duplicates	N	
VI	Serial Dilution	N	
VII	Laboratory control samples	A	
VIII	Field duplicates	N	
IX	Overall assessment of data	A	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
 N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
 SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.9GE-INT-19 TO 20-240731-L-CB	513149-001		Wipe	07/31/24	Stage 2A
1	DOOR-S-15.7GE-EXT-5 TO 6-240731-L-CB	513149-002		Wipe	07/31/24	Stage 2A
3	DOOR-S-15.7GW-INT-18 TO 19-240731-L-CB	513149-002		Wipe	07/31/24	Stage 2A
4	DOOR-S-15.9GW-DG-5 TO 18-240731-L-LA	513149-001		Wipe	07/31/24	Stage 2A
5	DOOR-S-15.7GE-PS-18-240731-L-G	513149-001		Wipe	07/31/24	Stage 2A
6	240731-L-FIELDBLANK1-LO	513149-006	FB	Wipe	07/31/24	Stage 2A
7	240731-L-MEDBLANK1-LO	513149-001	FB	Wipe	07/31/24	Stage 2A

Notes:

Quality Control Outlier Reports

~~513150~~

SDG# 513150 does not contain samples
collected within the Low Occupancy Area of
Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499C3b
SDG #: 513150
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/16/2024
Page: 1 of 1
Reviewer: *F7*
2nd Reviewer: *MBN*

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	Δ/Δ	
II	Initial calibration / <i>ICV</i>	Δ	<i>0% PSD ≤ 20 ICV ≤ 15</i>
III	Continuing calibration	Δ	<i>LCN ≤ 15</i>
IV	Laboratory Blanks	Δ	
V	Field blanks	ND	<i>FB = 7</i>
VI	Surrogate spikes / <i>13</i>	Δ/Δ	
VII	Matrix spike/Matrix spike duplicates	N	<i>CS</i>
VIII	Laboratory control samples	Δ	<i>LCN ≤ 10</i>
IX	Field duplicates	ND	<i>D = 4.5</i>
X	Target analyte quantitation	Δ	
XI	Target analyte identification	Δ	
XII	Overall assessment of data	Δ	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GE-INT-17 TO 18-240731-P-CB	513150-001		Wipe	07/31/24	Stage 3
2	DOOR-S-15.6GE-EXT-3 TO 4-240731-P-CB	513150-004		Wipe	07/31/24	Stage 3
3	DOOR-S-15.8GE-DG-4 TO 17-240731-P-LA	513150-006		Wipe	07/31/24	Stage 3
4	DOOR-S-15.7GW-DG-4 TO 17-240731-P-LA	513150-004	FD	Wipe	07/31/24	Stage 3
5	DOOR-S-15.7GW-DG-4 TO 17-240731-P-DUP-LA	513150-004	FD	Wipe	07/31/24	Stage 3
6	DOOR-S-15.8GW-EXT-3 TO 4-240731-P-CB	513150-011		Wipe	07/31/24	Stage 3
1	240731-P-FIELDBLANK1-HO	513150-013	FB	Wipe	07/31/24	Stage 3

Notes: *346727*

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59499c3b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: B

Method: ✓GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	<u>✓</u>			
Was cooler temperature criteria met?	<u>✓</u>			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	<u>✓</u>			
Were all percent relative standard deviations (%RSD) $\leq 20\%$?	<u>✓</u>			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990 ?			<u>✓</u>	
Were the RT windows properly established?	<u>✓</u>			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	<u>-</u>			
Were all percent differences (%D) $\leq 20\%$? <u>P1 15%</u>	<u>✓</u>			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	<u>✓</u>			
Were all percent differences (%D) $\leq 20\%$? <u>P1 15%</u>	<u>✓</u>			
Were all the retention times within the acceptance windows?	<u>✓</u>			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	<u>✓</u>			
Was a laboratory blank analyzed for each matrix and concentration?	<u>✓</u>			
Was there contamination in the laboratory blanks?		<u>✓</u>		
V. Field Blanks				
Were field blanks identified in this SDG?	<u>✓</u>			
Were target analytes detected in the field blanks?		<u>✓</u>		
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	<u>✓</u>			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			<u>✓</u>	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			<u>✓</u>	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			<u>✓</u>	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			<u>✓</u>	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	<u>✓</u>			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	<u>✓</u>			

LDC #: 59499436

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: F?

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?		✓		
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were relative percent difference (RPD) of the results between two columns $\leq 40\%$?	✓			All ND
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$CF = A/C$$

$$\text{average CF} = \text{sum of the CF/number of standards}$$

$$\%RSD = 100 * (S/X)$$

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/28/2024	Aroclor 1016-1 ChA	0.0170	0.0170	0.0175	0.0175	16	16
	GC07		Aroclor 1016-1 ChB	0.0214	0.0214	0.0211	0.0211	18	18

LDC #: 59499 C3b**VALIDATION FINDINGS WORKSHEET**
Continuing Calibration Results VerificationPage: 1 of 1
Reviewer: FTMETHOD: 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 = $100 * (\text{ave. CF} - \text{CF}) / \text{ave. CF}$

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	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	CCV	8/3/24 1435	Aroclor 1016 chA	500.0	532.1	532.1	6	6
			↓ chB	↓	522.2	522.2	4	4
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 59499c 3b

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

 Page: 1 of 1
 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	39.1166	78	78	0
PUB	↓	50	39.4425	79	79	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Triphenyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 59499c3b

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC}/\text{SA})$$
$$RPD = ((\{SSCLCS - SSCLCSD\} * 2) / (SSCLCS + SSCLCSD)) * 100$$

Where SSC = Spiked sample concentration

LCS = Laboratory Control Sample

SA = Spike added

LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 346727

[illegible]

Comments:

LDC #: 59499 C36

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page: 1 of 1
Reviewer: FT

METHOD: ✓ GC HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)(F_v)(D_f)}{(RF)(V_s \text{ or } W_s)(\%S/100)}$$

Example:

Sample ID. 346727-LCS Aroclor 1016

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

$$\begin{aligned} \text{Concentration} &= \frac{360.44 (10)}{(1) (1000)} = \\ &= 3.6044 \text{ ug} / 100 \text{ cm}^2 \end{aligned}$$

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm ²)	Recalculated Results Concentrations (ug/100 cm ²)	Qualifications
	<u>LCS</u>	<u>Aroclor 1016</u>	<u>3.604</u>	<u>3.6044</u>	
	<u>Aroclor 1016-1 =</u>	<u>3238101.43 (20)</u>		<u>1016-1 = 353.0</u>	
		<u>8692661.69 (0.0211)</u>		<u>1 = 370.8</u>	
				<u>3 = 358.2</u>	
		<u>= 353.0</u>		<u>4 = 351.1</u>	
				<u>5 = 368.9</u>	
				<u>360.44</u>	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499C4b
SDG #: 513150
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: *ABn*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A/A	
II	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(1,2)
XII	Target analyte quantitation	A	
XIII	Overall assessment of data	A	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.5GE-INT-17 TO 18-240731-L-CB	513150-002	FD	Wipe	07/31/24	Stage 3
2	DOOR-S-15.5GE-INT-17 TO 18-240731-L- DUP-CB	513150-003	FD	Wipe	07/31/24	Stage 3
3	DOOR-S-15.6GE-EXT-3 TO 4-240731-L-CB	513150-002		Wipe	07/31/24	Stage 3
4	DOOR-S-15.8GE-DG-4 TO 17-240731-L-LA	513150-007		Wipe	07/31/24	Stage 3
1	DOOR-S-15.7GW-DG-4 TO 17-240731-L-LA	513150-010		Wipe	07/31/24	Stage 3
6	DOOR-S-15.8GW-EXT-3 TO 4-240731-L-CB	513150-012		Wipe	07/31/24	Stage 3

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-6	Wipe	6010B	Pb

Comments:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isotopes 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 specified by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identified in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Field Duplicate RPD Report

Lab Reporting Batch ID: 513150

Laboratory: Enthalpy Orange

EDD Filename: 513150

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.5GE- INT-17 TO 18-240731-	DOOR-S-15.5GE- INT-17 TO 18-240731-L-			
LEAD	51	68	29	100.00	No Qualifiers Applied

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 30)	Qualifiers (Parents Only)
	1	2		
Lead	51	68	29	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial 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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.037	1.00	104	104	Y
CCV	ICP	Pb	1.074	1.00	107	107	Y
LLCC	ICP				NA	NA	
ICSAB	ICP	Pb	1.029	1.00	104	103	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
NA	Mass Axis			± 0.1 amu
NA	%RSD			≤ 5%

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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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:

$$RPD = (\text{Absolute value}(S-D) \times 200) / (S+D)$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value}(I - \text{SDR})) \times 100 / (I)$$

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1174501	LCS	Pb	53.19	50	106	106	Y
NA	MS	Pb			NA	NA	Y
QC1174506/07	Duplicate	Pb	52.69	51.67	2	2	Y
NA	PDS	Pb			NA	NA	Y
NA	Serial dilution	Pb			NA	NA	Y

LDC #:

VALIDATION FINDINGS CHECKLIST

Page 1 of 1

Sample Calculation Verification

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (mL)	Reported Result (mg/ft^2)	Recalculated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	1.011	1	1	50	51	51	Y
2	↓	1.35	1	1	50	68	68	Y
3	↓	1.541	1	1	50	77	77	Y
4	↓	1.754	1	1.0276	50	85	85	Y
3	↓	2.085	1	1.0276	50	100	101	Y
6	↓	3.247	1	1	50	160	162	Y

Quality Control Outlier Reports

513228

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499D3b
SDG #: 513228
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/16/2024
Page: 1 of 1
Reviewer: *en P7*
2nd Reviewer: *en P7*

Method: Polychlorinated Biphenyls (PCBs) by GC/ECD (EPA 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	<i>AA</i>	
II	Initial calibration / <i>ICN</i>	<i>A</i>	<i>%RSD ≤ 20, CV ≤ 15</i>
III	Continuing calibration	<i>A</i>	<i>CV ≤ 15</i>
IV	Laboratory Blanks	<i>A</i>	
V	Field blanks	<i>ND</i>	<i>FB = 240731-P-FIELDBLANK1-H0</i>
VI	Surrogate spikes / <i>15</i>	<i>A/A</i>	<i>(913190)</i>
VII	Matrix spike/Matrix spike duplicates	<i>N</i>	<i>CS</i>
VIII	Laboratory control samples	<i>A</i>	<i>LED 10</i>
IX	Field duplicates	<i>N</i>	<i>✓</i>
X	Target analyte quantitation	<i>A</i>	<i>✓</i>
XI	Target analyte identification	<i>A</i>	
XII	Overall assessment of data	<i>A</i>	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB = Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.8GW-PS-21-240731-P-G	513228-001		Wipe	07/31/24	Stage 3
2	DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA	513228-003		Wipe	07/31/24	Stage 3
2	DOOR-S-15.7GE-INT-20 TO 21-240731-P-CB	513228-005		Wipe	07/31/24	Stage 3
4	DOOR-S-15.8GW-DG-6 TO 20-240731-P-LA	513228-001		Wipe	07/31/24	Stage 3
5	DOOR-S-15.6GE-DG-7 TO 20-240731-P-LA	513228-009		Wipe	07/31/24	Stage 3

Notes: *346727*

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 59499 03b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: P7

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) $\leq 20\%$?	☒	☐	☐	
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) $\leq 20\%$? <u>P7 15% / 0</u>	☒	☐	☐	
III. Continuing calibration				
Was a continuing calibration analyzed daily?	☒	☐	☐	
Were all percent differences (%D) $\leq 20\%$? <u>P7 15% / 0</u>	☒	☐	☐	
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 #: 59499 p3b

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: B

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
Were relative percent difference (RPD) of the results between two columns $\leq 40\%$?	✓			All ND
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?			✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$CF = A/C$$

$$\text{average CF} = \text{sum of the CF/number of standards}$$

$$\%RSD = 100 * (S/X)$$

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	6/28/2024	Aroclor 1260-1 ChA	0.0504	0.0504	0.0536	0.0536	18	18
	GC07		Aroclor 1260-1 ChB	0.0601	0.0601	0.0579	0.0579	18	18

LDC #: 59499D3b

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

 Page: 1 of 1
 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:

$$\% \text{ Difference} = 100 * (\text{ave. CF} - \text{CF}) / \text{ave. CF}$$

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(1cal)/ CCV Conc.	Reported	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	CCV	8/3/24 1435	Aroclor 1260 CHA	500.0	526.0	526.0	5	5
			↓ CHB	✓	506.2	506.2	1	1
								1
2								
								1
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 5949903b

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS * 100$
 Where: SF = Surrogate Found
 SS = Surrogate Spiked
Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50.0	35.3515	71	71	0
DCB	↓	↓	28.7862	65	65	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Triphenyltin	AA	Chloro-octadecane
D	Bromochlorobenzene	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 #: 59499D3D

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: GC HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC} / \text{SA})$$
$$RPD = (((SSCLCS - SSCLCSD) * 2) / (SSCLCS + SSCLCSD)) * 100$$

Where SSC = Spiked sample concentration

LCS = Laboratory Control Sample

SA = Spike added

LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 346727 - LCS IV

[illegible]

Comments:

LDC #: 59499036

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page: 1 of 1
Reviewer: FT

METHOD: ✓ GC HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)(F_v)(D_f)}{(RF)(V_s \text{ or } W_s)(\%S/100)}$$

Example:

Sample ID. 346727-LCS Analyte 1260

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

$$\begin{aligned} \text{Concentration} &= \frac{361.46 (10)}{(1)(1000)} = \\ &= 3.6146 \text{ ug} / 100 \text{ cm}^2 \end{aligned}$$

#	Sample ID	Target analyte	Reported Concentrations (<u>ug</u> / 100 cm ²)	Recalculated Results Concentrations (<u>ug</u> / cm ²)	Qualifications
	<u>LCS</u>	<u>Anodor 1260</u>	<u>3.615</u>	<u>3.6146</u>	
	<u>Anodor 1260-1</u>	<u>= 9743293.714 (20)</u>		<u>1260-1 = 387.2</u>	
		<u>8692661.69 (0.0579)</u>		<u>2 = 365.0</u>	
				<u>3 = 403.3</u>	
				<u>4 = 335.4</u>	
		<u>= 387.2</u>		<u>5 = 316.8</u>	
				<u>361.46</u>	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499D4b
SDG #: 513228
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
Page: 1 of 1
Reviewer: JC
2nd Reviewer: *Bn*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	A/A	
II	Initial Calibration	A	
III	Calibration Verification	A	
IV	ICP Interference Check Sample (ICS) Analysis	A	
V	Laboratory Blanks	A	
VI	Field blanks	N	
VII	Matrix spike/Matrix spike duplicates	N	
VIII	Laboratory Duplicates	N	
IX	Serial Dilution	N	
X	Laboratory control samples	A	LCS/LCSD
XI	Field duplicates	SW	(5,6)
XII	Target analyte quantitation	A	
XII	Overall assessment of data	A	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.8GW-PS-21-240731-L-G	513228-002		Wipe	07/31/24	Stage 3
2	DOOR-S-15.6GE-DG-7 TO 20-240731-L-LA	513228-004		Wipe	07/31/24	Stage 3
1	DOOR-S-15.7GE-INT-20 TO 21-240731-L-CB	513228-004		Wipe	07/31/24	Stage 3
4	DOOR-S-15.8GW-DG-6 TO 20-240731-L-LA	513228-002		Wipe	07/31/24	Stage 3
5	DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA	513228-010	FD	Wipe	07/31/24	Stage 3
6	DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-LA	513228-010	FD	Wipe	07/31/24	Stage 3

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-6	Wipe	6010B	Pb

Comments:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isotopes 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 specified by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identified in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Field Duplicate RPD Report

Lab Reporting Batch ID: 513228

Laboratory: Enthalpy Orange

EDD Filename: 513228

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.8GE-DG-6 TO 19-240731-L-LA	DOOR-S-15.8GE-DG-6 TO 19-240731-L-DUP-			
LEAD	68	120	55	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

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Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	5	6		
Lead	68	120	55	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial 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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.037	1.00	104	104	Y
CCV	ICP	Pb	1.051	1.00	105	105	Y
LLCC	ICP				NA	NA	
ICSAB	ICP	Pb	1.029	1.00	105	105	Y

ICP-MS Tune	QC Parameter	Mass	Actual	Required
NA	Mass Axis			± 0.1 amu
NA	%RSD			≤ 5%

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:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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:

$$\text{RPD} = (\text{Absolute value}(S-D) \times 200) / (S+D)$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value } (I - \text{SDR})) \times 100 / (I)$$

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC11744506	LCS	Pb	52.69	50.00	105	105	Y
NA	MS	Pb			NA	NA	
QC11744506/07	Duplicate	Pb	52.69	51.67	2	2	Y
NA	PDS	Pb			NA	NA	
NA	Serial dilution	Pb			NA	NA	Y

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (mL)	Reported Result (mg/ft^2)	Recalculated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	1.63	1	1.0828	50	75	75	Y
2	↓	3.02	1	1.0276	50	150	147	Y
3	↓	0.6059	1	1	50	30	30	Y
4	↓	1.859	1	1.0276	50	90	90	Y
3	↓	1.393	1	1.0276	50	68	68	Y
6	↓	2.493	1	1.0276	50	120	121	Y

Quality Control Outlier Reports

~~513457~~

SDG# 513457 does not contain samples
collected within the Low Occupancy Area of
Zone 8.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

VALIDATION COMPLETENESS WORKSHEET

LDC #: 59499E4b
SDG #: 513457
Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/26/2024
Page: 1 of 1
Reviewer: *Bn*
2nd Reviewer: *Mb*

Method: Lead by (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I	Sample receipt/Technical holding times	<i>A</i>	
II	Laboratory Blanks	<i>A</i>	
III	Field blanks	<i>N</i>	
IV	Matrix spike/Matrix spike duplicates	<i>N</i>	
V	Laboratory Duplicates	<i>N</i>	
VI	Serial Dilution	<i>N</i>	
VII	Laboratory control samples	<i>A</i>	
VIII	Field duplicates	<i>SW</i>	<i>FD = 54</i>
IX	Overall assessment of data	<i>A</i>	

Note: A = Acceptable ND = Not detected FT = Field triplicate AB= Ambient blank R = Rinsate
N = Not provided/applicable NQ = Not qualified TB = Trip blank SB = Source blank
SW = See worksheet FD = Field duplicate FB = Field blank EB = Equipment blank

	Client ID	Lab ID	QC Type	Matrix	Date	Stage
1	DOOR-S-15.8GW-DG-3 TO 16-240805-L-LA	513457-001		Wipe	08/05/24	Stage 2A
2	DOOR-S-15.7GW-EXT-2 TO 3-240805-L-CB	513457-002		Wipe	08/05/24	Stage 2A
3	DOOR-S-15.6GE-PS-16-240805-L-G	513457-002		Wipe	08/05/24	Stage 2A
4	DOOR-S-15.9GE-INT-1 TO 16-240805-L-CB	513457-002	FD	Wipe	08/05/24	Stage 2A
5	DOOR-S-15.9GE-INT-1 TO 16-240805-L-DUP-CB	513457-002	FD	Wipe	08/05/24	Stage 2A
6	DOOR-S-15.7GW-DG-1' TO 2-240805-L-LA	513457-006		Wipe	08/05/24	Stage 2A

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 513457

Laboratory: Enthalpy Orange

EDD Filename: 513457

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	DOOR-S-15.9GE-INT-1 TO 16-240805-L-CB	DOOR-S-15.9GE-INT-1 TO 16-240805-L-DUP-			
LEAD	14	13	7	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

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Attachment 6

Clearance Sampling Summary and Laboratory Reports



Clearance Wipe Sampling Results - Zone 8 [a]

Hangar 1 NTCRA
Former Naval Station Moffett Field, California

			Lead
			Result
Location ID	Sample Date	Enclosure	µg/ft ²
Clearance Goal			<250
CLEAR-DOOR-S-15.1GE-EXT-12 TO 13-240612-CB	06/12/2024	D	469
CLEAR-DOOR-S-15.1GE-EXT-12 TO 13-240617-CB	06/17/2024	D	33
CLEAR-SCAF-Z8ED-L28-240612	06/12/2024	D	779
CLEAR-SCAF-Z8ED-L28-240617	06/17/2024	D	150
CLEAR-ENC-Z8ED-L28-240612	06/12/2024	D	44
CLEAR-ENC-Z8ED-L28-240612-DUP	06/12/2024	D	14
CLEAR-DOOR-S-15.7GW-DG-11 TO 25-240612-LA	06/12/2024	D	1900 b
CLEAR-DOOR-S-15.7GW-DG-11 TO 25-240617-LA	06/17/2024	D	1100
CLEAR-SCAF-Z8ED-L26-240612	06/12/2024	D	1200 b
CLEAR-SCAF-Z8ED-L26-240617	06/17/2024	D	500
CLEAR-ENC-Z8ED-L26-240612	06/12/2024	D	389
CLEAR-ENC-Z8ED-L26-240617	06/17/2024	D	6.4
CLEAR-DOOR-S-15.5GE-PS-24-240612-G	06/12/2024	D	430 b
CLEAR-DOOR-S-15.5GE-PS-24-240617-G	06/17/2024	D	62
CLEAR-SCAF-Z8ED-L24-240612	06/12/2024	D	140
CLEAR-ENC-Z8ED-L24-240612	06/12/2024	D	110
CLEAR-DOOR-S-15.9GW-DG-9 TO 22-240613-LA	06/13/2024	D	23
CLEAR-SCAF-Z8ED-L21-240613	06/13/2024	D	490 b
CLEAR-SCAF-Z8ED-L21-240617	06/17/2024	D	51
CLEAR-ENC-Z8ED-L21-240613	06/13/2024	D	50
CLEAR-DOOR-S-15.4GW-PS-22-240613-G	06/13/2024	D	73
CLEAR-SCAF-Z8ED-L20-240613	06/13/2024	D	359
CLEAR-SCAF-Z8ED-L20-240617	06/17/2024	D	350
CLEAR-ENC-Z8ED-L20-240613	06/13/2024	D	92
CLEAR-FIELDBLANK-240612-LO	06/12/2024	D	<0.50
CLEAR-MEDBLANK-240612-LO	06/12/2024	D	0.88
Average Clearance Result: Zone 8 Enclosure D [c]			186
CLEAR-DOOR-S-15.3GE-DG-4 TO 17-240715-LA	07/15/2024	A	170
CLEAR-SCAF-Z8EA-L7-240715	07/15/2024	A	200
CLEAR-ENC-Z8EA-L7-240715	07/15/2024	A	100
CLEAR-DOOR-S-15.2GE-EXT-2 TO 3-240715-CB	07/15/2024	A	300
CLEAR-SCAF-Z8EA-L4-240715	07/15/2024	A	410
CLEAR-ENC-Z8EA-L4-240715	07/15/2024	A	130
CLEAR-DOOR-S-15.5GE-PS-21-240715-G	07/15/2024	A	22
CLEAR-SCAF-Z8EA-L17-240715	07/15/2024	A	530
CLEAR-ENC-Z8EA-L17-240715	07/15/2024	A	61
CLEAR-DOOR-S-15.3GE-DG-6 TO 20-240715-LA	07/15/2024	A	120
CLEAR-SCAF-Z8EA-L14-240715	07/15/2024	A	270
CLEAR-ENC-Z8EA-L14-240715	07/15/2024	A	30



Clearance Wipe Sampling Results - Zone 8 [a]

Hangar 1 NTCRA
Former Naval Station Moffett Field, California

			Lead
			Result
Location ID	Sample Date	Enclosure	µg/ft ²
Clearance Goal			<250
CLEAR-DOOR-S-15.1GE-EXT-5 TO 6-240715-CB	07/15/2024	A	130
CLEAR-DOOR-S-15.1GE-EXT-5 TO 6-240715-DUP-CB	07/15/2024	A	200
CLEAR-SCAF-Z8EA-L12-240715	07/15/2024	A	770
CLEAR-ENC-Z8EA-L12-240715	07/15/2024	A	38
CLEAR-FIELDBLANK-240715-LO	07/15/2024	A	6.9
CLEAR-MEDBLANK-240715-LO	07/15/2024	A	<0.50
Average Clearance Result: Zone 8 Enclosure A [c]			223
CLEAR-ARCH-SGW-DG-5.5 TO 17-240802-LA	08/02/2024	C	190
CLEAR-SCAF-Z8EC-L16-240802	08/02/2024	C	640
CLEAR-SCAF-Z8EC-L16-240806	08/06/2024	C	660
CLEAR-SCAF-Z8EC-L16-240809	08/09/2024	C	33
CLEAR-ENC-Z8EC-L16-240802	08/02/2024	C	140
CLEAR-ENC-Z8EC-L16-240802-DUP	08/02/2024	C	210
CLEAR-DOOR-S-15.1GW-DG-6 TO 19-240802-LA	08/02/2024	C	290
CLEAR-DOOR-S-15.1GW-DG-6 TO 19-240806-LA	08/06/2024	C	21
CLEAR-SCAF-Z8EC-L12-240802	08/02/2024	C	360
CLEAR-SCAF-Z8EC-L12-240806	08/06/2024	C	440
CLEAR-SCAF-Z8EC-L12-240809	08/09/2024	C	36
CLEAR-ENC-Z8EC-L12-240802	08/02/2024	C	13
CLEAR-DOOR-S-15.6GW-INT-17 TO 18-240802-CB	08/02/2024	C	58
CLEAR-SCAF-Z8EC-L8-240802	08/02/2024	C	1700
CLEAR-SCAF-Z8EC-L8-240806	08/06/2024	C	5300
CLEAR-SCAF-Z8EC-L8-240809	08/09/2024	C	26
CLEAR-ENC-Z8EC-L8-240802	08/02/2024	C	170
CLEAR-DOOR-S-15.5GW-INT-16 TO 17-240805-CB	08/05/2024	C	120
CLEAR-SCAF-Z8EC-L5-240805	08/05/2024	C	420
CLEAR-ENC-Z8EC-L5-240805	08/05/2024	C	130
CLEAR-DOOR-S-15.4GW-PS-16-240805-G	08/05/2024	C	56
CLEAR-SCAF-Z8EC-L2-240805	08/05/2024	C	440
CLEAR-ENC-Z8EC-L2-240805	08/05/2024	C	100
CLEAR-FIELDBLANK-240802-LO	08/02/2024	C	10
CLEAR-MEDBLANK-240802-LO	08/02/2024	C	<0.50
Average Clearance Result: Zone 8 Enclosure C [c]			135
CLEAR-DOOR-S-15.8GW-EXT-3 TO 4-240809-CB	08/09/2024	B	45
CLEAR-SCAF-Z8EB-L6-240809	08/09/2024	B	31
CLEAR-ENC-Z8EB-L6-240809	08/09/2024	B	20
CLEAR-DOOR-S-15.7GE-EXT-2 TO 3-240809-CB	08/09/2024	B	360
CLEAR-SCAF-Z8EB-L3-240809	08/09/2024	B	51
CLEAR-ENC-Z8EB-L3-240809	08/09/2024	B	47



Clearance Wipe Sampling Results - Zone 8 [a]

Hangar 1 NTCRA
Former Naval Station Moffett Field, California

			Lead
			Result
Location ID	Sample Date	Enclosure	µg/ft ²
Clearance Goal			<250
CLEAR-DOOR-S-15.8GW-PS-21-240809-G	08/09/2024	B	16
CLEAR-SCAF-Z8EB-L17-240809	08/09/2024	B	1400
CLEAR-ENC-Z8EB-L17-240809	08/09/2024	B	16
CLEAR-DOOR-S-15.8GE-DG-6 TO 19-240809-LA	08/09/2024	B	310
CLEAR-SCAF-Z8EB-L13-240809	08/09/2024	B	330
CLEAR-ENC-Z8EB-L13-240809	08/09/2024	B	120
CLEAR-ENC-Z8EB-L13-240809-DUP	08/09/2024	B	170
CLEAR-DOOR-S-15.9GW-DG-5 TO 18-240809-LA	08/09/2024	B	150
CLEAR-SCAF-Z8EB-L9-240809	08/09/2024	B	30
CLEAR-ENC-Z8EB-L9-240809	08/09/2024	B	14
CLEAR-FIELDBLANK-240809-LO	08/09/2024	B	<0.50
CLEAR-MEDBLANK-240809-LO	08/09/2024	B	<0.50
Average Clearance Result: Zone 8 Enclosure B [c]			199

Acronyms and Abbreviations:

b: High recovery in an ICS for lead, however there were no relevant interferences present in the project samples or QC samples. Data quality was not affected by this detection.

ICS: Interference check standard

NTCRA: Non-Time Critical Removal Action

PCBs: Polychlorinated Biphenyls

µg/100 cm²: micrograms per 100 square centimeters

µg/ft²: micrograms per square foot

QC: Quality Control

Notes:

[a] Per the Agency-approved PCB Wipe Sampling Reduction Memorandum dated September 13, 2023, collection of PCB clearance wipe samples is no longer required.

[b] Location ID corresponds to field ID in the Laboratory Analytical Reports.

[c] Media blank, field blank, and the lower of the duplicate clearance wipe sampling results were not used to calculate the average concentrations within the enclosure.

Bolded values indicate constituents detected above laboratory reporting limits.

Shaded values indicate constituents reported at concentrations above the Clearance Goal.

~~Strikethrough~~ text represents sample locations that were re-abated and subsequently re-sampled. Only the final confirmation sample results were used in the calculation of the 95-percent UCL of the mean concentration.



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 510125
Report Level : II
Report Date : 06/13/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

Austin Moore Rincon Consultants 449 15th Street #303 Oakland, CA 94612	Lab Job #: 510125 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 06/12/24
--	--

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-S-15.1GE-EXT-12 TO 13-240612-L-CB	510125-001	06/12/24 07:15	Wipe
CLEAR-SCAF-Z8ED-L28-240612-L	510125-002	06/12/24 07:20	Wipe
CLEAR-ENC-Z8ED-L28-240612-L	510125-003	06/12/24 07:25	Wipe
CLEAR-ENC-Z8ED-L28-240612-L-DUP	510125-004	06/12/24 07:25	Wipe
CLEAR-DOOR-S-15.7GW-DG-11 TO 25-240612-L-LA	510125-005	06/12/24 07:35	Wipe
CLEAR-SCAF-Z8ED-L26-240612-L	510125-006	06/12/24 07:40	Wipe
CLEAR-ENC-Z8ED-L26-240612-L	510125-007	06/12/24 07:45	Wipe
CLEAR-DOOR-S15.5GE-PS-24-240612-L-G	510125-008	06/12/24 11:30	Wipe
CLEAR-SCAF-Z8ED-L24-240612-L	510125-009	06/12/24 11:35	Wipe
CLEAR-ENC-Z8ED-L24-240612-L	510125-010	06/12/24 11:40	Wipe
CLEAR-FIELDBLANK-240612-L-LO	510125-011	06/12/24 07:26	Wipe
CLEAR-MEDBLANK-240612-L-LO	510125-012	06/12/24 08:40	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 510125
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 06/12/24

- This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 06/13/24. The samples were received cold and intact.
- An exceedance on lead was observed in an interference check standard, but there are no relevant interferents present in the samples or QC. Results are flagged "b" but there is no impact on the reported data.

Metals (EPA 6010B):

No analytical problems were encountered.

The below sample checklist as completed after delivery of samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were applied to the cooler.

SAMPLE RECEIPT CHECKLIST			
Section 1: General Info Date Received: <u>6/12/24</u> Login # <u>510125</u> Client: <u>Rincon</u>			
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 <u>6/12/24</u> By (print) <u>mm</u> (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? <u>1</u> 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 <u>6/12/24</u> By (print) <u>mm</u> (sign) _____ Date Labeled <u>6/12/24</u> By (print) <u>mm</u> (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.



SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: <u>Rincon Consultants 510125</u>	Project: <u>Hangar 1 NTCRA</u>
Date Received: <u>6/13/24</u>	Sampler's Name Present: ☒ Yes ☒ No <u>6/13/24</u>

Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? <u>1</u> ☐ No (skip section 2)	Sample Temp (°C) (No Cooler): _____
Sample Temp (°C), One from each cooler: #1: <u>5.7</u> #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: <u>5.7</u> #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: 6/14/24 6/13/24

S

PC ID: 0001
PC WT: 29LB
526 13976126 0001



STN	FLT	DATE	ETD	LOT 01
OAK	WN 941	13 JUN	06:20	
SNA				
PC#	DG	LOT WT		
1 OF	13 G	375 LB (170.3 KG)		



6126

526 OAK 1397

Printed on:
12 JUN 19:20

SOUTHWEST AIRLINES

Lead

Lab #: 510125		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-DOOR-S-15.1GE-EXT-12 TO 13-240612-L-CB		Batch#: 342679	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/12/24	Analysis: EPA 6010B
Lab ID: 510125-001		Received: 06/12/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/13/24	
Diln Fac: 2.000		Analyzed: 06/13/24	
510125-001 Analyte		Result	RL
Lead		460	0.50
			ug/ft2
Field ID: CLEAR-SCAF-Z8ED-L28-240612-L		Batch#: 342679	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/12/24	Analysis: EPA 6010B
Lab ID: 510125-002		Received: 06/12/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/13/24	
Diln Fac: 2.000		Analyzed: 06/13/24	
510125-002 Analyte		Result	RL
Lead		770	0.50
			ug/ft2
Field ID: CLEAR-ENC-Z8ED-L28-240612-L		Batch#: 342679	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/12/24	Analysis: EPA 6010B
Lab ID: 510125-003		Received: 06/12/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/13/24	
Diln Fac: 1.000		Analyzed: 06/13/24	
510125-003 Analyte		Result	RL
Lead		44	0.50
			ug/ft2
Field ID: CLEAR-ENC-Z8ED-L28-240612-L-DUP		Batch#: 342679	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/12/24	Analysis: EPA 6010B
Lab ID: 510125-004		Received: 06/12/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/13/24	
Diln Fac: 1.000		Analyzed: 06/13/24	
510125-004 Analyte		Result	RL
Lead		14	0.50
			ug/ft2
Field ID: CLEAR-DOOR-S-15.7GW-DG-11 TO 25-240612-L-LA		Batch#: 342679	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/12/24	Analysis: EPA 6010B
Lab ID: 510125-005		Received: 06/12/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/13/24	
Diln Fac: 5.000		Analyzed: 06/13/24	
510125-005 Analyte		Result	RL
Lead		1,900	0.82
			ug/ft2
			Qual
			b

Lead

Lab #: 510125		Project#: 20-10491		
Client: Rincon Consultants		Location: Hangar 1 NTCRA		
Field ID: CLEAR-SCAF-Z8ED-L26-240612-L	Batch#: 342679	Prep: EPA 3050B		
Type: SAMPLE	Sampled: 06/12/24	Analysis: EPA 6010B		
Lab ID: 510125-006	Received: 06/12/24	Analyst: SBW		
Matrix: Wipe	Prepared: 06/13/24			
Diln Fac: 5.000	Analyzed: 06/13/24			
510125-006 Analyte		Result	RL	Units
Lead		1,200	0.94	ug/ft2
				Qual
				b
Field ID: CLEAR-ENC-Z8ED-L26-240612-L		Batch#: 342679	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 06/12/24	Analysis: EPA 6010B	
Lab ID: 510125-007		Received: 06/12/24	Analyst: SBW	
Matrix: Wipe		Prepared: 06/13/24		
Diln Fac: 1.000		Analyzed: 06/13/24		
510125-007 Analyte		Result	RL	Units
Lead		380	0.50	ug/ft2
Field ID: CLEAR-DOOR-S15.5GE-PS-24-240612-L-G		Batch#: 342679	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 06/12/24	Analysis: EPA 6010B	
Lab ID: 510125-008		Received: 06/12/24	Analyst: SBW	
Matrix: Wipe		Prepared: 06/13/24		
Diln Fac: 2.000		Analyzed: 06/13/24		
510125-008 Analyte		Result	RL	Units
Lead		430	0.50	ug/ft2
				Qual
				b
Field ID: CLEAR-SCAF-Z8ED-L24-240612-L		Batch#: 342679	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 06/12/24	Analysis: EPA 6010B	
Lab ID: 510125-009		Received: 06/12/24	Analyst: SBW	
Matrix: Wipe		Prepared: 06/13/24		
Diln Fac: 1.000		Analyzed: 06/13/24		
510125-009 Analyte		Result	RL	Units
Lead		140	0.50	ug/ft2
Field ID: CLEAR-ENC-Z8ED-L24-240612-L		Batch#: 342679	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 06/12/24	Analysis: EPA 6010B	
Lab ID: 510125-010		Received: 06/12/24	Analyst: SBW	
Matrix: Wipe		Prepared: 06/13/24		
Diln Fac: 1.000		Analyzed: 06/13/24		
510125-010 Analyte		Result	RL	Units
Lead		110	0.50	ug/ft2

Lead

Lab #: 510125	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-FIELDBLANK-240612-L-LO	Batch#: 342679	Prep: EPA 3050B
Type: SAMPLE	Sampled: 06/12/24	Analysis: EPA 6010B
Lab ID: 510125-011	Received: 06/12/24	Analyst: SBW
Matrix: Wipe	Prepared: 06/13/24	
Diln Fac: 1.000	Analyzed: 06/13/24	

510125-011 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: CLEAR-MEDBLANK-240612-L-LO	Batch#: 342679	Prep: EPA 3050B
Type: SAMPLE	Sampled: 06/12/24	Analysis: EPA 6010B
Lab ID: 510125-012	Received: 06/12/24	Analyst: SBW
Matrix: Wipe	Prepared: 06/13/24	
Diln Fac: 1.000	Analyzed: 06/13/24	

510125-012 Analyte	Result	RL	Units
Lead	0.88	0.50	ug/ft2

Type: BLANK	Batch#: 342679	Analysis: EPA 6010B
Lab ID: QC1161075	Prepared: 06/13/24	Analyst: SBW
Matrix: Wipe	Analyzed: 06/13/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1161075 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected
RL: Reporting Limit
b: See narrative

Lead: Batch QC

Lab #: 510125

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1161076

Matrix: Wipe

Diln Fac: 1.000

Batch#: 342679

Prepared: 06/13/24

Analyzed: 06/13/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1161076 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	116.6	117	80-120	ug/ft2

Type: BSD

Lab ID: QC1161077

Matrix: Wipe

Diln Fac: 1.000

Batch#: 342679

Prepared: 06/13/24

Analyzed: 06/13/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1161077 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	117.1	117	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent
Difference



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 510126
Report Level : II
Report Date : 06/25/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 510126
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/13/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-S-15.9GW-DG-9 TO 22-240613-L-LA	510126-001	06/13/24 11:55	Wipe
CLEAR-SCAF-Z8ED-L21-240613-L	510126-002	06/13/24 12:00	Wipe
CLEAR-ENC-Z8ED-L21-240613-L	510126-003	06/13/24 12:05	Wipe
CLEAR-DOOR-S-15.4GW-PS-22-240613-L-G	510126-004	06/13/24 12:10	Wipe
CLEAR-SCAF-Z8ED-L20-240613-L	510126-005	06/13/24 12:15	Wipe
CLEAR-ENC-Z8ED-L20-240613-L	510126-006	06/13/24 12:20	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 510126
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 06/13/24

- This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 06/14/24. The samples were received cold and intact.
- This report was revised and reissued on 6/25/24 to correct certain Sample IDs.
- An exceedance on lead was observed in an interference check standard, however there are no relevant interferents present in the samples or QC. Affected results are flagged "b" but there is no impact on the reported data.

Metals (EPA 6010B):

No analytical problems were encountered.

510126

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)											
ENTHALPY ANALYTICAL		COC ID:		Standard:											
ENTHALPY ANALYTICAL		Page: 1 of 1		3 Day: Custom TAT: X (same-day)											
ENTHALPY ANALYTICAL		Matrix: A = Air S = Soil/Solid		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other											
ENTHALPY ANALYTICAL		W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water		Sample Receipt Temp: 5.1 (lab use only)											
ENTHALPY ANALYTICAL		SW = Swab T = Tissue WP = Wipe O = Other		Report: Level II											
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (510) 890-9555 Fax:		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: M.H.M.		ANALYSIS REQUEST Lead - EPA Method 3050/6010B Analysis Request:				TEST INSTRUCTIONS / COMMENTS Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft² basis Wipe samples collected from Zone 8 Enclosure D (Low Occupancy) 2x Rivet Type 2 = 0.0276 µg/ft² 4x Rivet Type 2 = 0.0552 µg/ft²							
SAMPLE INFORMATION Sample ID 1 CLEAR-DOOR-S-15.9GW-DG-9 TO 22-240613-L-LA 2 CLEAR-SCAF-Z8ED-121-240613-L 3 CLEAR-ENC-Z8ED-121-240613-L 4 CLEAR-DOOR-S-15.4GW-PS-22-240613-L-G 5 CLEAR-SCAF-Z8ED-120-240613-L 6 CLEAR-ENC-Z8ED-120-240613-L 7 8 9 10 11 12 13 14 15		Sampling Date 6/13/2024 6/13/2024 6/13/2024 6/13/2024 6/13/2024 6/13/2024		Sampling Time 1155 1200 1205 1210 1215 1220		Matrix WP WP WP WP WP WP		Container No. / Size 1 1 1 1 1 1		Pres. X X X X X X		HOLD HOLD HOLD HOLD HOLD HOLD		Date / Time 6/13/24 15:49 6/13/24 15:49 6/13/24 17:37 6/13/24 17:57 6/13/24 17:45 6/14/24 11:00	
SIGNATURE Relinquished By: TK Smith Received By: Anthony Hudson Relinquished By: Anthony Hudson Received By: Anthony Hudson Relinquished By: Anthony Hudson Received By: Anthony Hudson		PRINT NAME Tyler Smith Anthony Hudson Anthony Hudson Anthony Hudson Anthony Hudson		COMPANY / TITLE Rincon/Envi. Scientist Rincon/Envi. Scientist Rincon/Envi. Scientist Rincon/Envi. Scientist Rincon/Envi. Scientist		DATE / TIME 6/13/24 15:49 6/13/24 15:49 6/13/24 17:37 6/13/24 17:57 6/13/24 17:45 6/14/24 11:00									



ENTHALPY

Section 1: General Info

Section 2: Shipping / Custody

Shipping Info:

Are custody seals present? ☒ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

Custody seals intact on arrival? ☐ Yes ☐ No ☒ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging

Important: Notify PM if temperature exceeds 6°C or arrive frozen

Date Opened 6/13/24 By (print) amy (sign) [Signature]

☒ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Section 4: Containers / Labels / Samples

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

Are the samples appropriately preserved? (if yes, skip the rest of section 5)

Did any samples / containers require preservation upon receipt?

Did you document your preservative check in the bench book?

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

Section 6: Explanations / Comments

Date Logged 6/13/24 By (print) Ray (sign) [Signature]

Date Labeled 6/13/2017 By (print) mg (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: 06/14/2024 Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 5.1 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 5.1 #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
510126

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: 06/14/24

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

Sample Acceptance Checklist – Rev 4, 8/8/2017

SOUTHWEST AIRLINES

Printed on:
13 JUN 19:38

526 OAK 1402 4673



SNA

PC#
3 OF

DG
6 | G

LOT WT
270 LB
(122.4 KG)

OAK WN 941 14 JUN 06:20

STN FLT DATE ETD LOT 01



PC ID: 0003
PC WT: 45LB

4673 0003

S

Lead

Lab #: 510126		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-DOOR-S-15.9GW-DG-9 TO 22-240613-L-LA		Batch#: 342782	Prep: EPA 3010A
Type: SAMPLE		Sampled: 06/13/24	Analysis: EPA 6010B
Lab ID: 510126-001		Received: 06/13/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/24	
Diln Fac: 1.000		Analyzed: 06/14/24	
510126-001 Analyte		Result	RL
Lead		23	0.50
			ug/ft2
Field ID: CLEAR-SCAF-Z8ED-L21-240613-L		Batch#: 342782	Prep: EPA 3010A
Type: SAMPLE		Sampled: 06/13/24	Analysis: EPA 6010B
Lab ID: 510126-002		Received: 06/13/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/24	
Diln Fac: 2.000		Analyzed: 06/14/24	
510126-002 Analyte		Result	RL
Lead		490	0.50
			ug/ft2
			Qual
			b
Field ID: CLEAR-ENC-Z8ED-L21-240613-L		Batch#: 342782	Prep: EPA 3010A
Type: SAMPLE		Sampled: 06/13/24	Analysis: EPA 6010B
Lab ID: 510126-003		Received: 06/13/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/24	
Diln Fac: 1.000		Analyzed: 06/14/24	
510126-003 Analyte		Result	RL
Lead		50	0.50
			ug/ft2
Field ID: CLEAR-DOOR-S-15.4GW-PS-22-240613-L-G		Batch#: 342782	Prep: EPA 3010A
Type: SAMPLE		Sampled: 06/13/24	Analysis: EPA 6010B
Lab ID: 510126-004		Received: 06/13/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/24	
Diln Fac: 1.000		Analyzed: 06/14/24	
510126-004 Analyte		Result	RL
Lead		73	0.50
			ug/ft2
Field ID: CLEAR-SCAF-Z8ED-L20-240613-L		Batch#: 342782	Prep: EPA 3010A
Type: SAMPLE		Sampled: 06/13/24	Analysis: EPA 6010B
Lab ID: 510126-005		Received: 06/13/24	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/24	
Diln Fac: 1.000		Analyzed: 06/14/24	
510126-005 Analyte		Result	RL
Lead		350	0.50
			ug/ft2

Lead

Lab #: 510126		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z8ED-L20-240613-L	Batch#: 342782	Prep: EPA 3010A	
Type: SAMPLE	Sampled: 06/13/24	Analysis: EPA 6010B	
Lab ID: 510126-006	Received: 06/13/24	Analyst: SBW	
Matrix: Wipe	Prepared: 06/14/24		
Diln Fac: 1.000	Analyzed: 06/14/24		

510126-006 Analyte	Result	RL	Units
Lead	92	0.50	ug/ft2

Type: BLANK	Batch#: 342782	Analysis: EPA 6010B	
Lab ID: QC1161392	Prepared: 06/14/24	Analyst: SBW	
Matrix: Wipe	Analyzed: 06/14/24		
Diln Fac: 1.000	Prep: EPA 3010A		

QC1161392 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit
b: See narrative

Lead: Batch QC

Lab #: 510126

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1161393

Matrix: Wipe

Diln Fac: 1.000

Batch#: 342782

Prepared: 06/14/24

Analyzed: 06/14/24

Prep: EPA 3010A

Analysis: EPA 6010B

Analyst: SBW

QC1161393 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	57.92	116	80-120	ug/ft2

Type: BSD

Lab ID: QC1161394

Matrix: Wipe

Diln Fac: 1.000

Batch#: 342782

Prepared: 06/14/24

Analyzed: 06/14/24

Prep: EPA 3010A

Analysis: EPA 6010B

Analyst: SBW

QC1161394 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	55.30	111	80-120	ug/ft2	5	20

Legend

RPD: Relative Percent
Difference



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 510432
Report Level : II
Report Date : 06/18/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 510432
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/17/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-S-15.1GE-EXT-12 TO 13-240617-L-CB	510432-001	06/17/24 12:20	Wipe
CLEAR-SCAF-Z8ED-L28-240617-L	510432-002	06/17/24 12:25	Wipe
CLEAR-DOOR-S-15.7GW-DG-11 TO 25-240617-L-LA	510432-003	06/17/24 12:35	Wipe
CLEAR-SCAF-Z8ED-L26-240617-L	510432-004	06/17/24 12:40	Wipe
CLEAR-ENC-Z8ED-L26-240617-L	510432-005	06/17/24 12:45	Wipe
CLEAR-DOOR-S-15.5GE-PS-24-240617-L-G	510432-006	06/17/24 12:55	Wipe
CLEAR-SCAF-Z8ED-L21-240617-L	510432-007	06/17/24 13:00	Wipe
CLEAR-SCAF-Z8ED-L20-240617-L	510432-008	06/17/24 13:05	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 510432
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 06/17/24

This data package contains sample and QC results for eight wipe samples, requested for the above referenced project on 06/18/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

510432

Chain of Custody Record		Turn Around Time (rush by advanced notice only)				
COC ID:		Standard:	3 Day:			
Page:	1 of 1	2 Day:	Custom TAT:			
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Sample Receipt Temp: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other Report: Level II (lab use only)				
PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: <u>M. Kim</u>		Analysis Request Lead - EPA Method 3050/6010B Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other				
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		Test Instructions / Comments Clear Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft ² basis HOLD Wipe samples collected from Zone 8 Enclosure D (Low Occupancy) (Re-sample)				
Sample ID	Sampling Date	Sampling Time	Container No. / Size	Pres.	Company / Title	Date / Time
1 CLEAR-DOOR-S-15 IGE-EXT-12 TO 13-240617-L-CB	6/17/2024	1220	WP 1	X	Rincon/Env Scientist	6/17/24 1450
2 CLEAR-SCAF-Z8ED-L28-240617-L	6/17/2024	1225	WP 1	X	ENTHALPY	6/17/24 1750
3 CLEAR-DOOR-S-15 7GW-DG-11 TO 25-240617-L-LA	6/17/2024	1235	WP 1	X	"	6/17/24 1730
4 CLEAR-SCAF-Z8ED-L26-240617-L	6/17/2024	1240	WP 1	X	"	6/17/24 1730
5 CLEAR-ENC-Z8ED-L26-240617-L	6/17/2024	1245	WP 1	X	"	6/17/24 1730
6 CLEAR-DOOR-S-15 5GE-PS-24-240617-L-G	6/17/2024	1255	WP 1	X	"	6/17/24 1730
7 CLEAR-SCAF-Z8ED-L21-240617-L	6/17/2024	1300	WP 1	X	"	6/17/24 1730
8 CLEAR-SCAF-Z8ED-L20-240617-L	6/17/2024	1305	WP 1	X	"	6/17/24 1730
9						
10						
11						
12						
13						
14						
15						
Signature: <u>Audrey Hudson</u> Print Name: <u>Michaela Kim</u> Date: <u>6/17/24</u>		Signature: <u>Deena Synetha</u> Print Name: <u>Deena Synetha</u> Date: <u>6/18/24</u>				
Signature: <u>Audrey Hudson</u> Print Name: <u>Audrey Hudson</u> Date: <u>6/17/24</u>		Signature: <u>Deena Synetha</u> Print Name: <u>Deena Synetha</u> Date: <u>6/18/24</u>				
Signature: <u>Audrey Hudson</u> Print Name: <u>Audrey Hudson</u> Date: <u>6/17/24</u>		Signature: <u>Deena Synetha</u> Print Name: <u>Deena Synetha</u> Date: <u>6/18/24</u>				

0.013342
 1x Rivet Type 2 - 0.013342
 4x Rivet Type 1 - 0.055242

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 - NCTRA WP

Date Received: 6/18/24

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 5.7 #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: 5.7 #2: _____ #3: _____ #4: _____

Section 4

	YES	NO	N/A
Was a COC received?	☒	☐	☐
Are sample IDs present?	☒	☐	☐
Are sampling dates & times present?	☒	☐	☐
Is a relinquished signature present?	☒	☐	☐
Are the tests required clearly indicated on the COC?	☒	☐	☐
Are custody seals present?	☒	☐	☐
If custody seals are present, were they intact?	☒	☐	☐
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	☐	☐	☒
Did all samples arrive intact? If no, indicate in Section 4 below.	☒	☐	☐
Did all bottle labels agree with COC? (ID, dates and times)	☒	☐	☐
Were the samples collected in the correct containers for the required tests?	☒	☐	☐
Are the containers labeled with the correct preservatives?	☐	☐	☒
Is there headspace in the VOA vials greater than 5-6 mm in diameter?	☐	☐	☒
Was a sufficient amount of sample submitted for the requested tests?	☒	☐	☐

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time: _____
☐ Email (email sent to/on): _____ / _____

Project Manager's response: _____

Completed By: Deena Sylvester Date: JUN 18 2024

1

SOUTHWEST AIRLINES

Printed on:
17 JUN 19:23

526 OAK 1417 6175



SNA

5.7/ice

PC#
6 OF 8

DG
G

LOT WT
275 LB
(124.7 KG)

OAK WN 3440 17 JUN 19:55

STN FLT DATE ETD LOT 01

S



PC ID: 0006
PC WT: 34LB

526 14176175 0006

Lead

Lab #: 510432		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-DOOR-S-15.1GE-EXT-12 TO 13-240617-L-CB		Batch#: 343056	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/17/24	Analysis: EPA 6010B
Lab ID: 510432-001		Received: 06/17/24	Analyst: DXC
Matrix: Wipe		Prepared: 06/18/24	
Diln Fac: 1.000		Analyzed: 06/18/24	
510432-001 Analyte		Result	RL Units
Lead		33	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8ED-L28-240617-L		Batch#: 343056	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/17/24	Analysis: EPA 6010B
Lab ID: 510432-002		Received: 06/17/24	Analyst: DXC
Matrix: Wipe		Prepared: 06/18/24	
Diln Fac: 1.000		Analyzed: 06/18/24	
510432-002 Analyte		Result	RL Units
Lead		150	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.7GW-DG-11 TO 25-240617-L-LA		Batch#: 343056	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/17/24	Analysis: EPA 6010B
Lab ID: 510432-003		Received: 06/17/24	Analyst: DXC
Matrix: Wipe		Prepared: 06/18/24	
Diln Fac: 25.00		Analyzed: 06/18/24	
510432-003 Analyte		Result	RL Units
Lead		1,100	6.6 ug/ft2
Field ID: CLEAR-SCAF-Z8ED-L26-240617-L		Batch#: 343056	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/17/24	Analysis: EPA 6010B
Lab ID: 510432-004		Received: 06/17/24	Analyst: DXC
Matrix: Wipe		Prepared: 06/18/24	
Diln Fac: 25.00		Analyzed: 06/18/24	
510432-004 Analyte		Result	RL Units
Lead		500	6.7 ug/ft2
Field ID: CLEAR-ENC-Z8ED-L26-240617-L		Batch#: 343056	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/17/24	Analysis: EPA 6010B
Lab ID: 510432-005		Received: 06/17/24	Analyst: DXC
Matrix: Wipe		Prepared: 06/18/24	
Diln Fac: 1.000		Analyzed: 06/18/24	
510432-005 Analyte		Result	RL Units
Lead		6.4	0.50 ug/ft2

Lead

Lab #: 510432	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-DOOR-S-15.5GE-PS-24-240617-L-G	Batch#: 343056	Prep: EPA 3050B
Type: SAMPLE	Sampled: 06/17/24	Analysis: EPA 6010B
Lab ID: 510432-006	Received: 06/17/24	Analyst: DXC
Matrix: Wipe	Prepared: 06/18/24	
Diln Fac: 1.000	Analyzed: 06/18/24	

510432-006 Analyte	Result	RL	Units
Lead	62	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z8ED-L21-240617-L	Batch#: 343056	Prep: EPA 3050B
Type: SAMPLE	Sampled: 06/17/24	Analysis: EPA 6010B
Lab ID: 510432-007	Received: 06/17/24	Analyst: DXC
Matrix: Wipe	Prepared: 06/18/24	
Diln Fac: 1.000	Analyzed: 06/18/24	

510432-007 Analyte	Result	RL	Units
Lead	51	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z8ED-L20-240617-L	Batch#: 343056	Prep: EPA 3050B
Type: SAMPLE	Sampled: 06/17/24	Analysis: EPA 6010B
Lab ID: 510432-008	Received: 06/17/24	Analyst: DXC
Matrix: Wipe	Prepared: 06/18/24	
Diln Fac: 1.000	Analyzed: 06/18/24	

510432-008 Analyte	Result	RL	Units
Lead	350	0.50	ug/ft2

Type: BLANK	Batch#: 343056	Analysis: EPA 6010B
Lab ID: QC1162469	Prepared: 06/18/24	Analyst: DXC
Matrix: Wipe	Analyzed: 06/18/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1162469 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 510432

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1162471

Matrix: Wipe

Diln Fac: 1.000

Batch#: 343056

Prepared: 06/18/24

Analyzed: 06/18/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: DXC

QC1162471 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	54.74	109	80-120	ug/ft2

Type: BSD

Lab ID: QC1162472

Matrix: Wipe

Diln Fac: 1.000

Batch#: 343056

Prepared: 06/18/24

Analyzed: 06/18/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: DXC

QC1162472 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	55.23	110	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 : 512112
Report Level : II
Report Date : 07/16/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 512112
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/15/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-S-15.3GE-DG-4 TO 17-240715-L-LA	512112-001	07/15/24 09:15	Wipe
CLEAR-SCAF-Z8EA-L7-240715-L	512112-002	07/15/24 09:20	Wipe
CLEAR-ENC-Z8EA-L7-240715-L	512112-003	07/15/24 09:25	Wipe
CLEAR-DOOR-S-15.2GE-EXT-2 TO 3-240715-L-CB	512112-004	07/15/24 09:30	Wipe
CLEAR-SCAF-Z8EA-L4-240715-L	512112-005	07/15/24 09:35	Wipe
CLEAR-ENC-Z8EA-L4-240715-L	512112-006	07/15/24 09:40	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 512112
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 07/15/24

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 07/16/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

512112

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID:		Standard:		5 Day:	3 Day:
Page:	1 of 1	2 Day:	1 Day:	Custom TAT:	X (same-day)
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other			
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hanger 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: T. Sina			
Analysis Request Lead - EPA Method 3050/6010B		Test Instructions / Comments Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a $\mu\text{g}/\text{ft}^2$ basis Wipe samples collected from Zone 8 Enclosure A (High Occupancy) 2x Rivet Type 1 = 0.0276 $\mu\text{g}/\text{ft}^2$			
Sample ID 1 CLEAR-DOOR-S-1530E-DG-4 TO 17-240715-L-LA 2 CLEAR-SCAF-Z8EA-L7-240715-L 3 CLEAR-ENC-Z8EA-L7-240715-L 4 CLEAR-DOOR-S-1520E-EXT-2 TO 3-240715-L-CB 5 CLEAR-SCAF-Z8EA-L4-240715-L 6 CLEAR-ENC-Z8EA-L4-240715-L 7 8 9 10 11 12 13 14 15		Sampling Date 7/15/2024 7/15/2024 7/15/2024 7/15/2024 7/15/2024 7/15/2024		Sampling Time 0915 0920 0925 0930 0935 0940	
Matrix WP WP WP WP WP WP		Container No. / Size 1 1		Pres. X X X X X X	
Signature		Print Name		Company / Title	
1 Relinquished By: [Signature]	Donald Nelson	Rincon / Env. Scientist	7/15/24	1440	
1 Received By: [Signature]	ANDREW ANDERSON	ENTHALPY	7/15/24	1440	
2 Relinquished By: [Signature]			7/15/24	16:00	
2 Received By: [Signature]	unusual exp	BE	7/15/24	16:00	
3 Relinquished By: [Signature]	Marlene V. [Signature]	BE	7/15/24	16:24	
3 Received By: [Signature]	Flower	En	7/16/24	10:15	



SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 7/15/24 Login # 512412 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

Are custody seals present? ☒ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

Custody seals intact on arrival? ☐ Yes ☐ No ☒ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging **Important: Notify PM if temperature exceeds 6°C or arrive frozen**

Date Opened 7/15/24 By (print) mm (sign) mm

☒ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	/		
Were Method 5035 sampling containers present? Transferred to freezer @: _____		/	
Did all containers arrive unbroken/unopened?	/		
Are there any missing / extra samples?		/	
Are samples in the appropriate containers for indicated tests?	/		
Are sample labels present, in good condition and complete?	/		
Does the container count match the COC?	/		
Do the sample labels agree with custody papers?	/		
Was sufficient amount of sample sent for tests requested?	/		
Did you change the hold time in LIMS for unpreserved VOAs?			/
Did you change the hold time in LIMS for preserved terracores?			/
Are bubbles > 6mm present in VOA samples?			/
Was the client contacted about this delivery? Contacted: _____ By: _____ Date: _____		/	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot# _____	added to samples _____	Date/Time _____
☐ HCL lot# _____	added to samples _____	Date/Time _____
☐ HNO3 lot# _____	added to samples _____	Date/Time _____
☐ CrVI Buffer lot# _____	added to samples _____	Date/Time _____

Section 6: Explanations / Comments

Date Logged 7/15/24 By (print) mm (sign) mm

Date Labeled 7/15/24 By (print) mm (sign) mm

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.



SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: Rincon Consultants	Project: Hangar 1 NTCRA
Date Received: 07/16/24	Sampler's Name Present: ☒ Yes ☐ No

Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? <u>1</u> ☐ No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: <u>2.8</u> #2: _____ #3: _____ #4: _____	
<i>(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.)</i>	
Shipping Information: Southwest Airlines	

Section 3	
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other _____	
Cooler Temp (°C): #1: <u>1.3</u> #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 512112.

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: 7/16/24

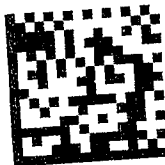
SOUTHWEST AIRLINES

Printed on:
15 JUL 19:25

526 OAK 1516 6432



SNA		PC#
2.8 / 1.3		3 OF 15
OAK WN 941 16 JUL 06:10		DG 6
		LOT WT 460 LB (208.7 KG)
STN	FLT	DATE ETD LOT 01



PC ID: 0003
PC WT: 31LB

526 15166432 0003

S

Lead

Lab #: 512112		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-DOOR-S-15.3GE-DG-4 TO 17-240715-L-LA		Batch#: 345202	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/15/24	Analysis: EPA 6010B
Lab ID: 512112-001		Received: 07/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/16/24	
Diln Fac: 1.000		Analyzed: 07/16/24	
512112-001 Analyte		Result	RL Units
Lead		170	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EA-L7-240715-L		Batch#: 345202	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/15/24	Analysis: EPA 6010B
Lab ID: 512112-002		Received: 07/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/16/24	
Diln Fac: 1.000		Analyzed: 07/16/24	
512112-002 Analyte		Result	RL Units
Lead		200	0.50 ug/ft2
Field ID: CLEAR-ENC-Z8EA-L7-240715-L		Batch#: 345202	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/15/24	Analysis: EPA 6010B
Lab ID: 512112-003		Received: 07/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/16/24	
Diln Fac: 1.000		Analyzed: 07/16/24	
512112-003 Analyte		Result	RL Units
Lead		100	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.2GE-EXT-2 TO 3-240715-L-CB		Batch#: 345202	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/15/24	Analysis: EPA 6010B
Lab ID: 512112-004		Received: 07/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/16/24	
Diln Fac: 1.000		Analyzed: 07/16/24	
512112-004 Analyte		Result	RL Units
Lead		300	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EA-L4-240715-L		Batch#: 345202	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/15/24	Analysis: EPA 6010B
Lab ID: 512112-005		Received: 07/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 07/16/24	
Diln Fac: 1.000		Analyzed: 07/16/24	
512112-005 Analyte		Result	RL Units
Lead		410	0.50 ug/ft2

Lead

Lab #: 512112		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z8EA-L4-240715-L	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512112-006	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 1.000	Analyzed: 07/16/24		

512112-006 Analyte	Result	RL	Units
Lead	130	0.50	ug/ft2

Type: BLANK	Batch#: 345202	Analysis: EPA 6010B	
Lab ID: QC1169776	Prepared: 07/16/24	Analyst: SBW	
Matrix: Wipe	Analyzed: 07/16/24		
Diln Fac: 1.000	Prep: EPA 3050B		

QC1169776 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 512112

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1169777

Matrix: Wipe

Diln Fac: 1.000

Batch#: 345202

Prepared: 07/16/24

Analyzed: 07/16/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1169777 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.54	107	80-120	ug/ft2

Type: BSD

Lab ID: QC1169778

Matrix: Wipe

Diln Fac: 1.000

Batch#: 345202

Prepared: 07/16/24

Analyzed: 07/16/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1169778 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.27	107	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 : 512113
Report Level : II
Report Date : 07/16/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

Austin Moore Rincon Consultants 449 15th Street #303 Oakland, CA 94612	Lab Job #: 512113 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 07/15/24
--	--

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-S-15.5GE-PS-21-240715-L-G	512113-001	07/15/24 08:20	Wipe
CLEAR-SCAF-Z8EA-L17-240715-L	512113-002	07/15/24 08:25	Wipe
CLEAR-ENC-Z8EA-L17-240715-L	512113-003	07/15/24 08:30	Wipe
CLEAR-DOOR-S-15.3GE-DG-6 TO 20-240715-L-LA	512113-004	07/15/24 08:40	Wipe
CLEAR-SCAF-Z8EA-L14-240715-L	512113-005	07/15/24 08:45	Wipe
CLEAR-ENC-Z8EA-L14-240715-L	512113-006	07/15/24 08:50	Wipe
CLEAR-DOOR-S-15.1GE-EXT-5 TO 6-240715-L-CB	512113-007	07/15/24 08:55	Wipe
CLEAR-DOOR-S-15.1GE-EXT-5 TO 6-240715-L-DUP-CB	512113-008	07/15/24 08:55	Wipe
CLEAR-SCAF-Z8EA-L12-240715-L	512113-009	07/15/24 09:00	Wipe
CLEAR-ENC-Z8EA-L12-240715-L	512113-010	07/15/24 09:05	Wipe
CLEAR-FIELDBLANK-240715-L-LO	512113-011	07/15/24 08:15	Wipe
CLEAR-MEDBLANK-240715-L-LO	512113-012	07/15/24 10:35	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 512113
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 07/15/24

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 07/16/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

5/12/13

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
ENTHALPY ANALYTICAL		COC ID:		Standard:	
ENTHALPY ANALYTICAL		Page: 1 of 1		3 Day: X (same-day)	
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other Report: Level II (lab use only)	
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsey Parker Email: lparker@rinciconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10401 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: T. Sinnott		Analysis Request Lead - EPA Method 3050/60108 HOLD	
TEST INSTRUCTIONS / COMMENTS Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft ² basis Wipe samples collected from Zone 8 Enclosure A (Low Occupancy)		4x Rivet Type 1 = 0.0552 ft ² 2x Rivet Type 1 = 0.0276 ft ²			
SAMPLE INFORMATION Sample ID Sampling Date Sampling Time Matrix Container No./Size Pres.		1 CLEAR-DOOR-S-15.50E-PS-21-240715-L-G 2 CLEAR-SCAF-Z8EA-L17-240715-L 3 CLEAR-ENC-Z8EA-L17-240715-L 4 CLEAR-DOOR-S-15.30E-DG-6 TO 20-240715-L-A 5 CLEAR-SCAF-Z8EA-L14-240715-L 6 CLEAR-ENC-Z8EA-L14-240715-L 7 CLEAR-DOOR-S-15.10E-EXT-5 TO 6-240715-L-CB 8 CLEAR-DOOR-S-15.10E-EXT-5 TO 6-240715-L-DUP-CB 9 CLEAR-SCAF-Z8EA-L12-240715-L 10 CLEAR-ENC-Z8EA-L12-240715-L 11 CLEAR-FIELD/BLANK-240715-L-LO 12 CLEAR-MED/BLANK-240715-L-LO 13 14 15		Date / Time 7/15/24 14:40 7/15/24 14:40 7/15/24 16:00 7/15/24 16:00 7/15/24 16:27 7/15/24 16:15	
Signature Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]		Print Name Donald Wells Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson		Company / Title Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc. Rincon Consultants, Inc.	

SAMPLE RECEIPT CHECKLIST



Section 1: General Info
 Date Received: 7/15/24 Login # 512413 Client: Rincon

Section 2: Shipping / Custody
 Shipping Info: _____
 Are custody seals present? ☒ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package
 Custody seals intact on arrival? ☐ Yes ☐ No ☒ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging *Important: Notify PM if temperature exceeds 6°C or arrive frozen*
 Date Opened 7/15/24 By (print) mm (sign) [Signature]
☒ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)
 If no cooler: Sample Temp (°C): _____
 How many coolers? 1 Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____
 Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C
 Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	/		
Were Method 5035 sampling containers present? Transferred to freezer @: _____		/	
Did all containers arrive unbroken/unopened?	/		
Are there any missing / extra samples?		/	
Are samples in the appropriate containers for indicated tests?	/		
Are sample labels present, in good condition and complete?	/		
Does the container count match the COC?	/		
Do the sample labels agree with custody papers?	/		
Was sufficient amount of sample sent for tests requested?	/		
Did you change the hold time in LIMS for unpreserved VOAs?			/
Did you change the hold time in LIMS for preserved terracores?			/
Are bubbles > 6mm present in VOA samples?			/
Was the client contacted about this delivery? Contacted: _____ By: _____ Date: _____		/	

Section 5: Preservatives

	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot# _____	added to samples	Date/Time _____
☐ HCL lot# _____	added to samples	Date/Time _____
☐ HNO3 lot# _____	added to samples	Date/Time _____
☐ CrVI Buffer lot# _____	added to samples	Date/Time _____

Section 6: Explanations / Comments

Date Logged 7/15/24 By (print) mm (sign) [Signature]
 Date Labeled 7/15/24 By (print) mm (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.



SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: <u>Rincon Consultants</u>	Project: <u>Hangar 1 NTCRA</u>
Date Received: <u>07/16/24</u>	Sampler's Name Present: ☒ Yes ☐ No

Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? <u>1</u> ☐ No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: <u>2.8</u> #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: <u>Southwest Airlines</u>	

Section 3	
Was the cooler packed with:	☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C):	#1: <u>1.3</u> #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 <u>512113.</u>
--

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: 7/16/24

SOUTHWEST AIRLINES

Printed on:
15 JUL 19:25

526 OAK 1516 6432



SNA

2.8 / 1.3

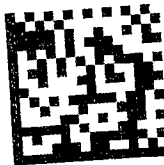
OAK WN 941 16 JUL 06:10

PC#
3 OF

15
G DG

LOT WT
460 LB
(208.7 KG)

STN FLT DATE ETD LOT 01



PC ID: 0003
PC WT: 31LB

526 15166432 0003

S

Lead

Lab #: 512113		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-DOOR-S-15.5GE-PS-21-240715-L-G	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512113-001	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 1.000	Analyzed: 07/16/24		
512113-001 Analyte		Result	RL Units
Lead		22	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EA-L17-240715-L	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512113-002	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 2.000	Analyzed: 07/16/24		
512113-002 Analyte		Result	RL Units
Lead		530	0.75 ug/ft2
Field ID: CLEAR-ENC-Z8EA-L17-240715-L	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512113-003	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 1.000	Analyzed: 07/16/24		
512113-003 Analyte		Result	RL Units
Lead		61	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.3GE-DG-6 TO 20-240715-L-LA	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512113-004	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 1.000	Analyzed: 07/16/24		
512113-004 Analyte		Result	RL Units
Lead		120	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EA-L14-240715-L	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512113-005	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 1.000	Analyzed: 07/16/24		
512113-005 Analyte		Result	RL Units
Lead		270	0.50 ug/ft2

Lead

Lab #: 512113		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z8EA-L14-240715-L	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512113-006	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 1.000	Analyzed: 07/16/24		
512113-006 Analyte		Result	RL Units
Lead		30	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.1GE-EXT-5 TO 6-240715-L-CB	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512113-007	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 1.000	Analyzed: 07/16/24		
512113-007 Analyte		Result	RL Units
Lead		130	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.1GE-EXT-5 TO 6-240715-L-DUP-CB	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512113-008	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 1.000	Analyzed: 07/16/24		
512113-008 Analyte		Result	RL Units
Lead		200	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EA-L12-240715-L	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512113-009	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 2.000	Analyzed: 07/16/24		
512113-009 Analyte		Result	RL Units
Lead		770	0.75 ug/ft2
Field ID: CLEAR-ENC-Z8EA-L12-240715-L	Batch#: 345202	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B	
Lab ID: 512113-010	Received: 07/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 07/16/24		
Diln Fac: 1.000	Analyzed: 07/16/24		
512113-010 Analyte		Result	RL Units
Lead		38	0.50 ug/ft2

Lead

Lab #: 512113	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-FIELDBLANK-240715-L-LO	Batch#: 345202	Prep: EPA 3050B
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B
Lab ID: 512113-011	Received: 07/15/24	Analyst: SBW
Matrix: Wipe	Prepared: 07/16/24	
Diln Fac: 1.000	Analyzed: 07/16/24	

512113-011 Analyte	Result	RL	Units
Lead	6.9	0.50	ug/ft2

Field ID: CLEAR-MEDBLANK-240715-L-LO	Batch#: 345202	Prep: EPA 3050B
Type: SAMPLE	Sampled: 07/15/24	Analysis: EPA 6010B
Lab ID: 512113-012	Received: 07/15/24	Analyst: SBW
Matrix: Wipe	Prepared: 07/16/24	
Diln Fac: 1.000	Analyzed: 07/16/24	

512113-012 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 345202	Analysis: EPA 6010B
Lab ID: QC1169776	Prepared: 07/16/24	Analyst: SBW
Matrix: Wipe	Analyzed: 07/16/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1169776 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 512113

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1169777

Matrix: Wipe

Diln Fac: 1.000

Batch#: 345202

Prepared: 07/16/24

Analyzed: 07/16/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1169777 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.54	107	80-120	ug/ft2

Type: BSD

Lab ID: QC1169778

Matrix: Wipe

Diln Fac: 1.000

Batch#: 345202

Prepared: 07/16/24

Analyzed: 07/16/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1169778 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.27	107	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 : 513276
Report Level : II
Report Date : 08/05/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

Austin Moore Rincon Consultants 449 15th Street #303 Oakland, CA 94612	Lab Job #: 513276 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 08/02/24
--	--

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-SGW-DG-5.5 TO 17-240802-L-LA	513276-001	08/02/24 12:00	Wipe
CLEAR-SCAF-Z8EC-L16-240802-L	513276-002	08/02/24 12:05	Wipe
CLEAR-ENC-Z8EC-L16-240802-L	513276-003	08/02/24 12:10	Wipe
CLEAR-ENC-Z8EC-L16-240802-L-DUP	513276-004	08/02/24 12:15	Wipe
CLEAR-DOOR-S-15.1GW-DG-6 TO 19-240802-L-LA	513276-005	08/02/24 12:20	Wipe
CLEAR-SCAF-Z8EC-L12-240802-L	513276-006	08/02/24 12:25	Wipe
CLEAR-ENC-Z8EC-L12-240802-L	513276-007	08/02/24 12:30	Wipe
CLEAR-DOOR-S-15.6GW-INT-17 TO 18-240802-L-CB	513276-008	08/02/24 12:35	Wipe
CLEAR-SCAF-Z8EC-L8-240802-L	513276-009	08/02/24 12:40	Wipe
CLEAR-ENC-Z8EC-L8-240802-L	513276-010	08/02/24 12:45	Wipe
CLEAR-FIELDBLANK-240802-L-LO	513276-011	08/02/24 12:50	Wipe
CLEAR-MEDBLANK-240802-L-LO	513276-012	08/02/24 13:10	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 513276
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 08/02/24

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 08/05/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

5132276

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID:		Standard:		5 Day:	3 Day:
Page: 1 of 1		1		1 Day:	Custom TAT:
ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other			
Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (510) 890-9556 Fax:		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other Report: Level II (lab use only)			
CUSTOMER INFORMATION Quote #: RINQ31721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: M. Kim		PROJECT INFORMATION Lead - EPA Method 3050/6010B Analysis Request Test Instructions / Comments Clearance Wine Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/m ² basis Wipe samples collected from Zone 8 Enclosure C (Low Occupancy) 4x Rivet Type L = 0.055742 2x Rivet Type L = 0.027642			
SAMPLE ID 1 CLEAR-ARCH-SGW-DG-5.5 TO 17-240802-L-LA 2 CLEAR-SCAF-Z8EC-L1-6-240802-L 3 CLEAR-BNC-Z8EC-L1-6-240802-L 4 CLEAR-BNC-Z8EC-L1-6-240802-L-DUP 5 CLEAR-DOOR-S-1.5 IGW-DG-6 TO 15-240802-L-LA 6 CLEAR-SCAF-Z8EC-L1-2-240802-L 7 CLEAR-BNC-Z8EC-L1-2-240802-L 8 CLEAR-DOOR-S-1.5 IGW-INT-17 TO 18-240802-L-CB 9 CLEAR-SCAF-Z8EC-L1-8-240802-L 10 CLEAR-BNC-Z8EC-L1-8-240802-L 11 CLEAR-FIELDBLANK-240802-L-LO 12 CLEAR-MEDBLANK-240802-L-LO 13 14 15		SAMPLING DATE 8/2/2024 8/2/2024 8/2/2024 8/2/2024 8/2/2024 8/2/2024 8/2/2024 8/2/2024 8/2/2024 8/2/2024 8/2/2024 8/2/2024		MATRIX WP WP WP WP WP WP WP WP WP WP WP	
CONTAINER NO. / SIZE 1 1 1 1 1 1 1 1 1 1 1 1		DATE / TIME 8/2/24 14:35 8/2/24 16:31 8/2/24 16:31 8/2/24 16:58 8/2/24 16:58			
SIGNATURE Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]		PRINT NAME Michaela Kim Audrey Hudson Audrey Hudson Amanda Hudson Amanda Hudson Amanda Hudson Amanda Hudson Amanda Hudson Amanda Hudson Amanda Hudson Amanda Hudson Amanda Hudson			
COMPANY / TITLE Rincon ENV Scientist ENTHALPY ENTHALPY ENTHALPY ENTHALPY ENTHALPY ENTHALPY ENTHALPY ENTHALPY ENTHALPY ENTHALPY ENTHALPY		DATE / TIME 8/2/24 14:35 8/2/24 16:31 8/2/24 16:31 8/2/24 16:58 8/2/24 16:58			

[illegible]

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: <u>Rincon Consultants</u>	Project: <u>Hangar 1 NTCRA</u>
Date Received: <u>8/3/24</u>	Sampler's Name Present: ☒ Yes ☐ No

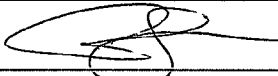
Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? <u>1</u> ☐ No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: <u>3.6</u> #2: _____ #3: _____ #4: _____	
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 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: <u>0.0</u> #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 <u>513276</u>

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: AUG 08 2024 AS 813276

SOUTHWEST AIRLINES

Printed on:
02 AUG 18:53

526 OAK 1590 5223



ONT

3.6/0.6

PC# 6 OF 9 DG G LOT WT 360 LB
(163.1 KG)

OAK WN 4885 02 AUG 20:50

STN FLT DATE ETD LOT 01



PC ID: 0006
PC WT: 40LB

526 15905223 0006

S

Lead

Lab #: 513276		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-SGW-DG-5.5 TO 17-240802-L-LA		Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-001		Received: 08/02/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/24	
Diln Fac: 1.000		Analyzed: 08/05/24	
513276-001 Analyte		Result	RL Units
Lead		190	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EC-L16-240802-L		Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-002		Received: 08/02/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/24	
Diln Fac: 10.00		Analyzed: 08/05/24	
513276-002 Analyte		Result	RL Units
Lead		640	3.7 ug/ft2
Field ID: CLEAR-ENC-Z8EC-L16-240802-L		Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-003		Received: 08/02/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/24	
Diln Fac: 1.000		Analyzed: 08/05/24	
513276-003 Analyte		Result	RL Units
Lead		140	0.50 ug/ft2
Field ID: CLEAR-ENC-Z8EC-L16-240802-L-DUP		Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-004		Received: 08/02/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/24	
Diln Fac: 1.000		Analyzed: 08/05/24	
513276-004 Analyte		Result	RL Units
Lead		210	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.1GW-DG-6 TO 19-240802-L-LA		Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-005		Received: 08/02/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/24	
Diln Fac: 1.000		Analyzed: 08/05/24	
513276-005 Analyte		Result	RL Units
Lead		290	0.50 ug/ft2

Lead

Lab #: 513276		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z8EC-L12-240802-L	Batch#: 346812	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/02/24	Analysis: EPA 6010B	
Lab ID: 513276-006	Received: 08/02/24	Analyst: SBW	
Matrix: Wipe	Prepared: 08/03/24		
Diln Fac: 1.000	Analyzed: 08/05/24		
513276-006 Analyte		Result	RL Units
Lead		360	0.50 ug/ft2
Field ID: CLEAR-ENC-Z8EC-L12-240802-L		Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-007		Received: 08/02/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/24	
Diln Fac: 1.000		Analyzed: 08/05/24	
513276-007 Analyte		Result	RL Units
Lead		13	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.6GW-INT-17 TO 18-240802-L-CB		Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-008		Received: 08/02/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/24	
Diln Fac: 1.000		Analyzed: 08/05/24	
513276-008 Analyte		Result	RL Units
Lead		58	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EC-L8-240802-L		Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-009		Received: 08/02/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/24	
Diln Fac: 10.00		Analyzed: 08/05/24	
513276-009 Analyte		Result	RL Units
Lead		1,700	3.7 ug/ft2
Field ID: CLEAR-ENC-Z8EC-L8-240802-L		Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-010		Received: 08/02/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/24	
Diln Fac: 1.000		Analyzed: 08/05/24	
513276-010 Analyte		Result	RL Units
Lead		170	0.50 ug/ft2

Lead

Lab #: 513276	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-FIELDBLANK-240802-L-LO	Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE	Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-011	Received: 08/02/24	Analyst: SBW
Matrix: Wipe	Prepared: 08/03/24	
Diln Fac: 1.000	Analyzed: 08/05/24	

513276-011 Analyte	Result	RL	Units
Lead	10	0.50	ug/ft2

Field ID: CLEAR-MEDBLANK-240802-L-LO	Batch#: 346812	Prep: EPA 3050B
Type: SAMPLE	Sampled: 08/02/24	Analysis: EPA 6010B
Lab ID: 513276-012	Received: 08/02/24	Analyst: SBW
Matrix: Wipe	Prepared: 08/03/24	
Diln Fac: 1.000	Analyzed: 08/05/24	

513276-012 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 346812	Analysis: EPA 6010B
Lab ID: QC1175117	Prepared: 08/03/24	Analyst: SBW
Matrix: Wipe	Analyzed: 08/05/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1175117 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 513276

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1175118

Matrix: Wipe

Diln Fac: 1.000

Batch#: 346812

Prepared: 08/03/24

Analyzed: 08/05/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1175118 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.19	106	80-120	ug/ft2

Type: BSD

Lab ID: QC1175119

Matrix: Wipe

Diln Fac: 1.000

Batch#: 346812

Prepared: 08/03/24

Analyzed: 08/05/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1175119 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.30	107	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent
Difference



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 513456
Report Level : II
Report Date : 08/07/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 513456
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/05/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-S-15.5GW-INT-16 TO 17-240805-L-CB	513456-001	08/05/24 07:45	Wipe
CLEAR-SCAF-Z8EC-L5-240805-L	513456-002	08/05/24 07:50	Wipe
CLEAR-ENC-Z8EC-L5-240805-L	513456-003	08/05/24 07:55	Wipe
CLEAR-DOOR-S-15.4GW-PS-16-240805-L-G	513456-004	08/05/24 08:10	Wipe
CLEAR-SCAF-Z8EC-L2-240805-L	513456-005	08/05/24 08:15	Wipe
CLEAR-ENC-Z8EC-L2-240805-L	513456-006	08/05/24 08:20	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 513456
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 08/05/24

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 08/06/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

 Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Chain of Custody Record			Turn Around Time (rush by advanced notice only)									
		COC ID:		Standard:		5 Day:		3 Day:		X (same-day)				
Page: 1 of 1		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Preservatives: 1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other		Report: Level II		Sample Receipt Temp: (lab use only)						
PROJECT INFORMATION		ANALYSIS REQUEST		TEST INSTRUCTIONS / COMMENTS										
Quote #:		RIN031721		Lead - EPA Method 3050/60108		HOLD		Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft ² basis						
Proj. Name:		Hangar 1 - NCTRA WP		WP		WP		Wipe samples collected from Zone 8 Enclosure C (High Occupancy)						
Proj. #:		20-10491		WP		WP		8x Rivet Type 2 = 0.08004						
P.O. #:		158 Cody Road, Mountain View, CA		WP		WP								
Address:		Global ID:		WP		WP								
Sampled By:		T. Sinnott		WP		WP								
Sample ID		Sampling Date		Sampling Time		Matrix		Container No. / Size		Pres.		Date / Time		
1		CLEAR-DOOR-S-15 5GW-INT-16 TO 17-240805-L-CB		8/5/2024		0745		WP		1		8/5/24 13:45		
2		CLEAR-SCAF-Z8EC-L5-240805-L		8/5/2024		0750		WP		1		8/5/24 13:45		
3		CLEAR-ENC-Z8EC-L5-240805-L		8/5/2024		0755		WP		1		8/5/24 15:50		
4		CLEAR-DOOR-S-15 4GW-PS-16-240805-L-G		8/5/2024		0810		WP		1		8/5/24 15:50		
5		CLEAR-SCAF-Z8EC-L2-240805-L		8/5/2024		0815		WP		1		8/5/24 16:10		
6		CLEAR-ENC-Z8EC-L2-240805-L		8/5/2024		0820		WP		1		8/6/24 10:30		
7														
8														
9														
10														
11														
12														
13														
14														
15														
Relinquished By:		Signature		Print Name		Company / Title		Date / Time						
1		TK Linn		Tale Sinnott		Rincon/Env. Scientist		8/5/24 13:45						
1		Audrey Jackson		Audrey Jackson		ENTHALPY		8/5/24 13:45						
2		Audrey Jackson		Audrey Jackson		ENTHALPY		8/5/24 15:50						
2		Audrey Jackson		Audrey Jackson		ENTHALPY		8/5/24 15:50						
3		Audrey Jackson		Audrey Jackson		ENTHALPY		8/5/24 16:10						

[illegible]

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.



SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: <u>Rincon</u>	Project: <u>Hangar 1 NTCRA</u>
Date Received: <u>8/6/24</u>	Sampler's Name Present: ☒ Yes ☐ No

Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? <u>1</u> ☐ No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: <u>2.6</u> #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: <u>2.6</u> #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: Diana Sylvestre Date: AUG 06 2024

SOUTHWEST AIRLINES

Printed on:
05 AUG 19:11



526 OAK 1595 3114

SNA

2.6/ice

PC# 5 OF 7 DG G LOT WT 270 LB
(122.5 KG)

OAK WN 383 05 AUG 20:45

STN FLT DATE ETD LOT 01



PC ID: 0005
PC WT: 38LB

S

526 15953114 0005

Lead

Lab #: 513456		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-DOOR-S-15.5GW-INT-16 TO 17-240805-L-CB		Batch#: 346979	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/05/24	Analysis: EPA 6010B
Lab ID: 513456-001		Received: 08/05/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/06/24	
Diln Fac: 1.000		Analyzed: 08/06/24	
513456-001 Analyte		Result	RL Units
Lead		120	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EC-L5-240805-L		Batch#: 346979	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/05/24	Analysis: EPA 6010B
Lab ID: 513456-002		Received: 08/05/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/06/24	
Diln Fac: 1.000		Analyzed: 08/06/24	
513456-002 Analyte		Result	RL Units
Lead		420	0.50 ug/ft2
Field ID: CLEAR-ENC-Z8EC-L5-240805-L		Batch#: 346979	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/05/24	Analysis: EPA 6010B
Lab ID: 513456-003		Received: 08/05/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/06/24	
Diln Fac: 1.000		Analyzed: 08/06/24	
513456-003 Analyte		Result	RL Units
Lead		130	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.4GW-PS-16-240805-L-G		Batch#: 346979	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/05/24	Analysis: EPA 6010B
Lab ID: 513456-004		Received: 08/05/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/06/24	
Diln Fac: 1.000		Analyzed: 08/06/24	
513456-004 Analyte		Result	RL Units
Lead		56	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EC-L2-240805-L		Batch#: 346979	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/05/24	Analysis: EPA 6010B
Lab ID: 513456-005		Received: 08/05/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/06/24	
Diln Fac: 1.000		Analyzed: 08/06/24	
513456-005 Analyte		Result	RL Units
Lead		440	0.50 ug/ft2

Lead

Lab #: 513456		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z8EC-L2-240805-L	Batch#: 346979	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/05/24	Analysis: EPA 6010B	
Lab ID: 513456-006	Received: 08/05/24	Analyst: SBW	
Matrix: Wipe	Prepared: 08/06/24		
Diln Fac: 1.000	Analyzed: 08/06/24		

513456-006 Analyte	Result	RL	Units
Lead	100	0.50	ug/ft2

Type: BLANK	Batch#: 346979	Analysis: EPA 6010B	
Lab ID: QC1175716	Prepared: 08/06/24	Analyst: SBW	
Matrix: Wipe	Analyzed: 08/06/24		
Diln Fac: 1.000	Prep: EPA 3050B		

QC1175716 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 513456

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1175717

Matrix: Wipe

Diln Fac: 1.000

Batch#: 346979

Prepared: 08/06/24

Analyzed: 08/06/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1175717 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.40	107	80-120	ug/ft2

Type: BSD

Lab ID: QC1175718

Matrix: Wipe

Diln Fac: 1.000

Batch#: 346979

Prepared: 08/06/24

Analyzed: 08/06/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1175718 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.26	107	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent
Difference



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 513548
Report Level : II
Report Date : 08/07/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 513548
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/06/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-SCAF-Z8EC-L16-240806-L	513548-001	08/06/24 13:35	Wipe
CLEAR-DOOR-S-15.1GW-DG-6 TO 19-240806-L-LA	513548-002	08/06/24 13:50	Wipe
CLEAR-SCAF-Z8EC-L12-240806-L	513548-003	08/06/24 13:55	Wipe
CLEAR-SCAF-Z8EC-L8-240806-L	513548-004	08/06/24 14:05	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 513548
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 08/06/24

This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 08/07/24. The samples were received cold and intact.

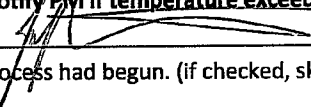
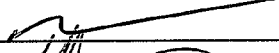
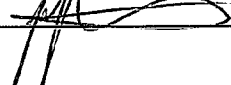
Metals (EPA 6010B):

No analytical problems were encountered.

513548

Chain of Custody Record				Turn Around Time (rush by advanced notice only)										
COC ID:				Standard:										
Page: 1 of 1				1 Day: 2 Day: 3 Day: X (same-day)										
ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other				Preservatives: 1 = Na ₂ SO ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other Report: Level II	Sample Receipt Temp: (fill use only)					
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:				PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: Address: 158 Cody Road, Mountain View, CA Global ID: Sampled By:				Analysis Request Lead - EPA Method 3050/50108		Test Instructions / Comments Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft ² basis Wipe samples collected from Zone 8 Enclosure C (Low Occupancy) - Resample				
Sample ID 1 CLEAR-SCAF-28BC-1J6-240806-L 2 CLEAR-DOOR-S-15-1GW-DG-6 TO 19-240806-L-LA 3 CLEAR-SCAF-28BC-1J2-240806-L 4 CLEAR-SCAF-28BC-1R-240806-L 5 6 7 8 9 10 11 12 13 14 15				Sampling Date 8/6/2024 8/6/2024 8/6/2024 8/6/2024				Sampling Time 1335 1350 1355 1405		Matrix WP WP WP WP	Container No. / Size 1	Pres. X X X X	Company / Title Rincon/Environmental Sci. ENTHALPY " " Ryan Enthalpy Enthalpy	Date / Time 8/6/24 15:17 8/6/24 15:17 8/6/24 16:47 8/6/24 16:47 8/6/24 17:37 8/7/24 10:23

The below sample checklist was completed after delivery of samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were applied to the cooler.

SAMPLE RECEIPT CHECKLIST				 ENTHALPY ANALYTICAL
Section 1: General Info				
Date Received: <u>8/6/24</u> Login # <u>513548</u> Client: <u>Rincon</u>				
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 PMI if temperature exceeds 6°C or arrive frozen				
Date Opened <u>8.6.24</u> By (print) <u>Jedz Peterson</u> (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? <u>1</u> 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 <u>8/6/24</u> By (print) <u>my</u> (sign) 				
Date Labeled <u>8.6.24</u> By (print) <u>Jedz Peterson</u> (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: Hanger 1 NCTRA WP

Date Received: 8/7/24

Sampler's Name Present: ☐ Yes ☒ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 4.0 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 3.2 #2: _____ #3: _____ #4: _____

Section 4

	YES	NO	N/A
Was a COC received?	☒		
Are sample IDs present?	☒		
Are sampling dates & times present?	☒		
Is a relinquished signature present?	☒		
Are the tests required clearly indicated on the COC?	☒		
Are custody seals present?	☒		
If custody seals are present, were they intact?	☒		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			☒
Did all samples arrive intact? If no, indicate in Section 4 below.	☒		
Did all bottle labels agree with COC? (ID, dates and times)	☒		
Were the samples collected in the correct containers for the required tests?	☒		
Are the containers labeled with the correct preservatives?	☒		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			☒
Was a sufficient amount of sample submitted for the requested tests?	☒		

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: Tina Kelly Date: 8/7/24

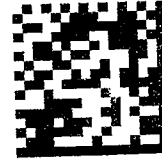
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06 AUG 19:12



526 OAK 1601 7606

SNA	PC#	DG	LOT WT
	2 OF 6	G	235 LB (106.6 KG)
4.013-2	OAK WN 3238 07 AUG 07:30		
STN	FLT	DATE	ETD LOT 01



PC ID: 0002
PC WT: 39LB

526 16017606 0002

S

Lead

Lab #: 513548		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z8EC-L16-240806-L	Batch#: 347076	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/06/24	Analysis: EPA 6010B	
Lab ID: 513548-001	Received: 08/06/24	Analyst: DXC	
Matrix: Wipe	Prepared: 08/07/24		
Diln Fac: 10.00	Analyzed: 08/07/24		
513548-001 Analyte		Result	RL Units
Lead		660	3.7 ug/ft2
Field ID: CLEAR-DOOR-S-15.1GW-DG-6 TO 19-240806-L-LA		Batch#: 347076	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/06/24	Analysis: EPA 6010B
Lab ID: 513548-002		Received: 08/06/24	Analyst: DXC
Matrix: Wipe		Prepared: 08/07/24	
Diln Fac: 1.000		Analyzed: 08/07/24	
513548-002 Analyte		Result	RL Units
Lead		21	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EC-L12-240806-L		Batch#: 347076	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/06/24	Analysis: EPA 6010B
Lab ID: 513548-003		Received: 08/06/24	Analyst: DXC
Matrix: Wipe		Prepared: 08/07/24	
Diln Fac: 1.000		Analyzed: 08/07/24	
513548-003 Analyte		Result	RL Units
Lead		440	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EC-L8-240806-L		Batch#: 347076	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/06/24	Analysis: EPA 6010B
Lab ID: 513548-004		Received: 08/06/24	Analyst: DXC
Matrix: Wipe		Prepared: 08/07/24	
Diln Fac: 100.0		Analyzed: 08/07/24	
513548-004 Analyte		Result	RL Units
Lead		5,300	37 ug/ft2
Type: BLANK		Batch#: 347076	Analysis: EPA 6010B
Lab ID: QC1176003		Prepared: 08/07/24	Analyst: DXC
Matrix: Wipe		Analyzed: 08/07/24	
Diln Fac: 1.000		Prep: EPA 3050B	
QC1176003 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 513548

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1176004

Matrix: Wipe

Diln Fac: 1.000

Batch#: 347076

Prepared: 08/07/24

Analyzed: 08/07/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: DXC

QC1176004 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	54.48	109	80-120	ug/ft2

Type: BSD

Lab ID: QC1176005

Matrix: Wipe

Diln Fac: 1.000

Batch#: 347076

Prepared: 08/07/24

Analyzed: 08/07/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: DXC

QC1176005 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.23	108	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent
Difference



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

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Lab Job Number : 513703
Report Level : II
Report Date : 08/12/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 513703
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/09/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-S-15.8GW-EXT-3 TO 4-240809-L-CB	513703-001	08/09/24 12:05	Wipe
CLEAR-SCAF-Z8EB-L6-240809-L	513703-002	08/09/24 12:10	Wipe
CLEAR-ENC-Z8EB-L6-240809-L	513703-003	08/09/24 12:15	Wipe
CLEAR-DOOR-S-15.7GE-EXT-2 TO 3-240809-L-CB	513703-004	08/09/24 12:20	Wipe
CLEAR-SCAF-Z8EB-L3-240809-L	513703-005	08/09/24 12:25	Wipe
CLEAR-ENC-Z8EB-L3-240809-L	513703-006	08/09/24 12:30	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 513703
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 08/09/24

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 08/12/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange		COC ID: 513103		Standard: 5 Day: 1 Day: 3 Day: X (same-day)			
931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Page: 1 of 1		Sample Receipt Temp: (lab use only)			
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinciconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - INCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: D. Walsh		ANALYSIS REQUEST Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other Report: Level II		Test Instructions / Comments Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a $\mu\text{g}/\text{ft}^2$ basis	
SAMPLE INFORMATION Sample ID Sampling Date Sampling Time Matrix Container No. / Size Pres.		Lead - EPA Method 3050/6010B		HOLD			
1	CLEAR-DOOR-S-15.80W-EXT-3 TO 4-240809-L-CB	8/9/2024	12:05	WP	1		X
2	CLEAR-SCAF-Z8EB-L3-240809-L	8/9/2024	12:10	WP	1		X
3	CLEAR-ENC-Z8EB-L6-240809-L	8/9/2024	12:15	WP	1		X
4	CLEAR-DOOR-S-15.70E-EXT-2 TO 3-240809-L-CB	8/9/2024	12:20	WP	1		X
5	CLEAR-SCAF-Z8EB-L3-240809-L	8/9/2024	12:25	WP	1		X
6	CLEAR-ENC-Z8EB-L3-240809-L	8/9/2024	12:30	WP	1		X
7							
8							
9							
10							
11							
12							
13							
14							
15							
Signature Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]		Print Name Donald Walsh "Audrey Hudson" Jack Peterson Kenneth Hudson [Signature] [Signature]		Company / Title Rincon / Envt. Scientist "ENTHAPY" Enthalpy Enthalpy		Date / Time 8/9/24 14:30 8/9/24 14:30 8/9/24 17:36 8/9/24 17:36 8/9/24 07:53 8/9/24 09:09	

[illegible]

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: 8/10/24

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C)
(No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 4.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: _____ #2: _____ #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

513703

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: AUG 10 2024

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www.enthalpy.com/socal

Sample Acceptance Checklist -- Rev 4, 8/8/2017

SOUTHWEST AIRLINES



526 OAK 1619 8280

Printed on:
9 AUG 19:42

ONT

U.C.

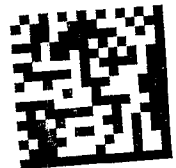
PC#
7 OF 10

DG
G

LOT WT
345 LB
(156.4 KG)

OAK WN 791 10 AUG 06:35

STN FLT DATE ETD LOT 01



PC ID: 0007
PC WT: 34LB

S

526 16198280 0007

Lead

Lab #: 513703		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-DOOR-S-15.8GW-EXT-3 TO 4-240809-L-CB		Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513703-001		Received: 08/09/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/10/24	
Diln Fac: 1.000		Analyzed: 08/12/24	
513703-001 Analyte		Result	RL Units
Lead		45	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EB-L6-240809-L		Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513703-002		Received: 08/09/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/10/24	
Diln Fac: 1.000		Analyzed: 08/12/24	
513703-002 Analyte		Result	RL Units
Lead		31	0.50 ug/ft2
Field ID: CLEAR-ENC-Z8EB-L6-240809-L		Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513703-003		Received: 08/09/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/10/24	
Diln Fac: 1.000		Analyzed: 08/12/24	
513703-003 Analyte		Result	RL Units
Lead		20	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.7GE-EXT-2 TO 3-240809-L-CB		Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513703-004		Received: 08/09/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/10/24	
Diln Fac: 1.000		Analyzed: 08/12/24	
513703-004 Analyte		Result	RL Units
Lead		360	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EB-L3-240809-L		Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513703-005		Received: 08/09/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/10/24	
Diln Fac: 1.000		Analyzed: 08/12/24	
513703-005 Analyte		Result	RL Units
Lead		51	0.50 ug/ft2

Lead

Lab #: 513703		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z8EB-L3-240809-L	Batch#: 347393	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B	
Lab ID: 513703-006	Received: 08/09/24	Analyst: SBW	
Matrix: Wipe	Prepared: 08/10/24		
Diln Fac: 1.000	Analyzed: 08/12/24		

513703-006 Analyte	Result	RL	Units
Lead	47	0.50	ug/ft2

Type: BLANK	Batch#: 347393	Analysis: EPA 6010B	
Lab ID: QC1177055	Prepared: 08/10/24	Analyst: SBW	
Matrix: Wipe	Analyzed: 08/12/24		
Diln Fac: 1.000	Prep: EPA 3050B		

QC1177055 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 513703

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1177056

Matrix: Wipe

Diln Fac: 1.000

Batch#: 347393

Prepared: 08/10/24

Analyzed: 08/12/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1177056 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.63	105	80-120	ug/ft2

Type: BSD

Lab ID: QC1177057

Matrix: Wipe

Diln Fac: 1.000

Batch#: 347393

Prepared: 08/10/24

Analyzed: 08/12/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1177057 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	52.28	105	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent
Difference



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

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Lab Job Number : 513705
Report Level : II
Report Date : 08/12/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 513705
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/09/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-SCAF-Z8EC-L16-240809-L	513705-001	08/09/24 08:15	Wipe
CLEAR-SCAF-Z8EC-L12-240809-L	513705-002	08/09/24 08:25	Wipe
CLEAR-SCAF-Z8EC-L8-240809-L	513705-003	08/09/24 08:30	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 513705
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 08/09/24

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 08/12/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID: 513705		Standard:		5 Day:	3 Day:
Page:	1 of 1	2 Day:	1 Day:	Custom TAT:	X (same-day)
Enthalpy Analytical - Orange 931 W. Barclay Avenue, Orange, CA 92668 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other Report: Level II (to use only)			
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsey Parker Email: lparker@rinciconsultants.com Address: 440 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9555 Fax:		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: D. Wilson		Analysis Request Lead - EPA Method 3050/5010B Wipe samples collected from Zone 8 Enclosure C (Low Occupancy) 2nd Resample	
Test Instructions / Comments Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a $\mu\text{g}/\text{ft}^2$ basis		HOLD			
Sample ID 1 CLEAR-SCAF-Z8EC-L16-240809-L 2 CLEAR-SCAF-Z8EC-L12-240809-L 3 CLEAR-SCAF-Z8EC-L8-240809-L 4 5 6 7 8 9 10 11 12 13 14 15		Sampling Date 8/9/2024 8/9/2024 8/9/2024		Sampling Time 0815 0825 0830	
Matrix WP WP WP		Matrix Site 1 1 1		Pres. X X X	
Signature 1 Relinquished By: [Signature] 1 Received By: [Signature] 2 Relinquished By: [Signature] 2 Received By: [Signature] 3 Relinquished By: [Signature] 3 Received By: [Signature]		Print Name Donald Wilson Audrey Hudson Todd Peterson [Signature] [Signature]		Company / Title Rincon / Env. Scientist ENTHALPY ENTHALPY EA EA	
Date / Time 8/9/24 1430 8/9/24 14:30 8/9/24 17:30 8/9/24 17:30 8/9/24 17:30					

[illegible]

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.



SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: <u>Rincon Consultants</u>	Project: <u>Hangar 1 NTCRA</u>
Date Received: <u>8/10/24</u>	Sampler's Name Present: ☒ Yes ☐ No

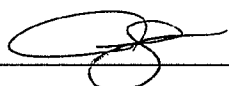
Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? <u>1</u> ☐ No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: <u>4.6</u> #2: _____ #3: _____ #4: _____	
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 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: _____ #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
513705	

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: AUG 10 2024

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www.enthalpy.com/socal
Sample Acceptance Checklist – Rev 4, 8/8/2017

SOUTHWEST AIRLINES

Printed on:
19 AUG 19:42
526 OAK 1619 8280



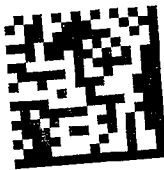
ONT

U.C.

PC#	DG	LOT WT
7 OF 10	G	345 LB (156.4 KG)

OAK WN 791 10 AUG 06:35

STN	FLT	DATE	ETD	LOT 01
-----	-----	------	-----	--------



PC ID: 0007
PC WT: 34LB

S

526 16198280 0007

Lead

Lab #: 513705	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z8EC-L16-240809-L	Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513705-001	Received: 08/09/24	Analyst: SBW
Matrix: Wipe	Prepared: 08/10/24	
Diln Fac: 1.000	Analyzed: 08/12/24	

513705-001 Analyte	Result	RL	Units
Lead	33	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z8EC-L12-240809-L	Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513705-002	Received: 08/09/24	Analyst: SBW
Matrix: Wipe	Prepared: 08/10/24	
Diln Fac: 1.000	Analyzed: 08/12/24	

513705-002 Analyte	Result	RL	Units
Lead	36	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z8EC-L8-240809-L	Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513705-003	Received: 08/09/24	Analyst: SBW
Matrix: Wipe	Prepared: 08/10/24	
Diln Fac: 1.000	Analyzed: 08/12/24	

513705-003 Analyte	Result	RL	Units
Lead	26	0.50	ug/ft2

Type: BLANK	Batch#: 347393	Analysis: EPA 6010B
Lab ID: QC1177055	Prepared: 08/10/24	Analyst: SBW
Matrix: Wipe	Analyzed: 08/12/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1177055 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 513705

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1177056

Matrix: Wipe

Diln Fac: 1.000

Batch#: 347393

Prepared: 08/10/24

Analyzed: 08/12/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1177056 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.63	105	80-120	ug/ft2

Type: BSD

Lab ID: QC1177057

Matrix: Wipe

Diln Fac: 1.000

Batch#: 347393

Prepared: 08/10/24

Analyzed: 08/12/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1177057 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	52.28	105	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent
Difference



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number : 513862
Report Level : II
Report Date : 08/12/2024

Analytical Report *prepared for:*

Austin Moore
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

Austin Moore
 Rincon
 Consultants
 449 15th Street
 #303
 Oakland, CA
 94612

Lab Job #: 513862
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 08/09/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-DOOR-S-15.8GW-PS-21-240809-L-G	513862-001	08/09/24 08:50	Wipe
CLEAR-SCAF-Z8EB-L17-240809-L	513862-002	08/09/24 08:55	Wipe
CLEAR-ENC-Z8EB-L17-240809-L	513862-003	08/09/24 09:00	Wipe
CLEAR-DOOR-S-15.8GE-DG-6 TO 19-240809-L-LA	513862-004	08/09/24 09:05	Wipe
CLEAR-SCAF-Z8EB-L13-240809-L	513862-005	08/09/24 09:10	Wipe
CLEAR-ENC-Z8EB-L13-240809-L	513862-006	08/09/24 09:15	Wipe
CLEAR-ENC-Z8EB-L13-240809-L-DUP	513862-007	08/09/24 09:15	Wipe
CLEAR-DOOR-S-15.9GW-DG-5 TO 18-240809-L-LA	513862-008	08/09/24 09:25	Wipe
CLEAR-SCAF-Z8EB-L9-240809-L	513862-009	08/09/24 09:30	Wipe
CLEAR-ENC-Z8EB-L9-240809-L	513862-010	08/09/24 09:35	Wipe
CLEAR-FIELDBLANK-240809-L-LO	513862-011	08/09/24 09:37	Wipe
CLEAR-MEDBLANK-240809-L-LO	513862-012	08/09/24 11:15	Wipe

Case Narrative

Rincon Consultants
449 15th Street
#303
Oakland, CA 94612
Austin Moore

Lab Job 513862
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 08/09/24

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 08/12/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.



ENTHALPY

ANALYTICAL

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92668

Phone 714-771-6900

Chain of Custody Record

COC ID: **513662**

Page: 1 of 1

Matrix: A = Air S = Soil/Solid
W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA
= Sea Water
SW = Swab T = Tissue WP = Wipe O = Other

Standard: 5 Day: 1 Day: 3 Day: X (same-day)

Preservatives: 1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
4 = H₂SO₄ 5 = NaOH 6 = Other

Report: Level II

Test Instructions / Comments

Clearance Wipe Samples - Level II
Report/Stage 2A Validation
Report lead concentrations on a µg/l¹ basis

Wipe samples collected from
Zone 8 Enclosure B (Low Occupancy)

5 x Rndt Type 1 = 0.069062

2 x Rndt Type 1 = 0.027662

2 x Rndt Type 1 = 0.027662

PROJECT INFORMATION

Quote #: RIN031721

Proj. Name: Hangar 1 - NCTRA WP

Proj. #: 20-10491

P.O. #: 158 Cody Road, Mountain View, CA

Address: 158 Cody Road, Mountain View, CA

Global ID:

Sampled By: D. Welsch

CUSTOMER INFORMATION

Company: Rincon Consultants, Inc.

Report To: Lindsay Parker

Email: lparker@rinconconsultants.com

Address: 449 15th Street, Suite 303

Oakland, California 94612

Phone: (651) 890-9556

Fax:

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	Analysis Request	Test Instructions / Comments
1 CLEAR-DOOR-S-15 8GW-PS-21-240809-L-G	8/9/2024	0850	WP	1		X		
2 CLEAR-SCAF-Z8EB-L17-240809-L	8/9/2024	0855	WP	1		X		
3 CLEAR-ENC-Z8EB-L17-240809-L	8/9/2024	0900	WP	1		X		
4 CLEAR-DOOR-S-15 8GE-DG-5 TO 19-240809-L-1A	8/9/2024	0905	WP	1		X		
5 CLEAR-SCAF-Z8EB-L13-240809-L	8/9/2024	0910	WP	1		X		
6 CLEAR-ENC-Z8EB-L13-240809-L	8/9/2024	0915	WP	1		X		
7 CLEAR-ENC-Z8EB-L13-240809-L-DUP	8/9/2024	0915	WP	1		X		
8 CLEAR-DOOR-S-15 9GW-DG-5 TO 18-240809-L-1A	8/9/2024	0925	WP	1		X		
9 CLEAR-SCAF-Z8EB-L9-240809-L	8/9/2024	0930	WP	1		X		
10 CLEAR-ENC-Z8EB-L9-240809-L	8/9/2024	0935	WP	1		X		
11 CLEAR-FIELD BLANK-240809-L-1O	8/9/2024	0937	WP	1		X		
12 CLEAR-MED BLANK-240809-L-1O	8/9/2024	1115	WP	1		X		
13								
14								
15								

Signature

Relinquished By: *[Signature]*

Received By: *[Signature]*

Relinquished By: *[Signature]*

Received By: *[Signature]*

Relinquished By: *[Signature]*

Received By: *[Signature]*

Print Name

Donal Welsch

Audrey Hudson

"Audrey"

Enthalpy

James V. 405

Franklin-Dragons

Company / Title

Rincon / Encl. Scientist

EXTHALPY

" "

Jade Peterson

FA

FA

Date / Time

8/9/24 14:30

8/9/24 14:30

8/9/24 17:36

8/9/24 17:36

8/9/24 17:33

8/9/24 0904

The below sample checklist was completed after delivery of sample by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were applied to the cooler.

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 8/9/21 Login # 513862 Client: Rincon

Section 2: Shipping / Custody

Shipping Info:

Are custody seals present? ☒ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

Custody seals intact on arrival? ☐ Yes ☐ No ☒ N/A Date: # of seals ☐ Signature ☐ Initials

Section 3: Condition / Packaging

Important: Notify PM if temperature exceeds 6°C or arrive frozen

Date Opened 8/9/21 By (print) m (sign) [signature]

☒ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C):

How many coolers? 1 Temp (°C): #1: #2: #3: #4: #5: #6:

Temperature measured using ☐ Thermometer ID: or IR Gun # ☐ B ☐ C

Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Section 4: Containers / Labels / Samples

	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	☒	☐	☐
Were Method 5035 sampling containers present? Transferred to freezer @:	☒	☐	☐
Did all containers arrive unbroken/unopened?	☒	☐	☐
Are there any missing / extra samples?	☒	☐	☐
Are samples in the appropriate containers for indicated tests?	☒	☐	☐
Are sample labels present, in good condition and complete?	☒	☐	☐
Does the container count match the COC?	☒	☐	☐
Do the sample labels agree with custody papers?	☒	☐	☐
Was sufficient amount of sample sent for tests requested?	☒	☐	☐
Did you change the hold time in LIMS for unpreserved VOAs?	☐	☐	☒
Did you change the hold time in LIMS for preserved terracores?	☐	☐	☒
Are bubbles > 6mm present in VOA samples?	☐	☐	☒
Was the client contacted about this delivery? Contacted: By: Date:	☐	☒	☐

Section 5: Preservatives

	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)	☐	☐	☐
Did any samples / containers require preservation upon receipt?	☐	☐	☐
Did you document your preservative check in the bench book?	☐	☐	☐

Preservative added:

☐ H2SO4 lot#	added to samples	Date/Time
☐ HCL lot#	added to samples	Date/Time
☐ HNO3 lot#	added to samples	Date/Time
☐ CrVI Buffer lot#	added to samples	Date/Time

Section 6: Explanations / Comments

Date Logged 8/9/21 By (print) m (sign) [signature]

Date Labeled 8/9/21 By (print) m (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 Consultants Project: Hangar 1 NTCRA
Date Received: 8/10/24 Sampler's Name Present: ☒ Yes ☐ No

Section 2
Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 4.6 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: _____

Section 3
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: _____ #2: _____ #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
513862

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: AUG 10 2024



SOUTHWEST AIRLINES



526 OAK 1619 8280

Printed on:
9 AUG 19:42

ONT

U.C.

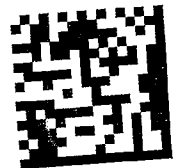
PC#
7 OF 10

DG
G

LOT WT
345 LB
(156.4 KG)

OAK WN 791 10 AUG 06:35

STN FLT DATE ETD LOT 01



PC ID: 0007
PC WT: 34LB

S

526 16198280 0007

Lead

Lab #: 513862		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-DOOR-S-15.8GW-PS-21-240809-L-G	Batch#: 347393	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B	
Lab ID: 513862-001	Received: 08/09/24	Analyst: SBW	
Matrix: Wipe	Prepared: 08/10/24		
Diln Fac: 1.000	Analyzed: 08/12/24		
513862-001 Analyte		Result	RL Units
Lead		16	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EB-L17-240809-L	Batch#: 347393	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B	
Lab ID: 513862-002	Received: 08/09/24	Analyst: SBW	
Matrix: Wipe	Prepared: 08/10/24		
Diln Fac: 10.00	Analyzed: 08/12/24		
513862-002 Analyte		Result	RL Units
Lead		1,400	2.7 ug/ft2
Field ID: CLEAR-ENC-Z8EB-L17-240809-L	Batch#: 347393	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B	
Lab ID: 513862-003	Received: 08/09/24	Analyst: SBW	
Matrix: Wipe	Prepared: 08/10/24		
Diln Fac: 1.000	Analyzed: 08/12/24		
513862-003 Analyte		Result	RL Units
Lead		16	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.8GE-DG-6 TO 19-240809-L-LA	Batch#: 347393	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B	
Lab ID: 513862-004	Received: 08/09/24	Analyst: SBW	
Matrix: Wipe	Prepared: 08/10/24		
Diln Fac: 1.000	Analyzed: 08/12/24		
513862-004 Analyte		Result	RL Units
Lead		310	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EB-L13-240809-L	Batch#: 347393	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B	
Lab ID: 513862-005	Received: 08/09/24	Analyst: SBW	
Matrix: Wipe	Prepared: 08/10/24		
Diln Fac: 1.000	Analyzed: 08/12/24		
513862-005 Analyte		Result	RL Units
Lead		330	0.50 ug/ft2

Lead

Lab #: 513862		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z8EB-L13-240809-L	Batch#: 347393	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B	
Lab ID: 513862-006	Received: 08/09/24	Analyst: SBW	
Matrix: Wipe	Prepared: 08/10/24		
Diln Fac: 1.000	Analyzed: 08/12/24		
513862-006 Analyte		Result	RL Units
Lead		120	0.50 ug/ft2
Field ID: CLEAR-ENC-Z8EB-L13-240809-L-DUP		Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513862-007		Received: 08/09/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/10/24	
Diln Fac: 1.000		Analyzed: 08/12/24	
513862-007 Analyte		Result	RL Units
Lead		170	0.50 ug/ft2
Field ID: CLEAR-DOOR-S-15.9GW-DG-5 TO 18-240809-L-LA		Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513862-008		Received: 08/09/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/10/24	
Diln Fac: 1.000		Analyzed: 08/12/24	
513862-008 Analyte		Result	RL Units
Lead		150	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z8EB-L9-240809-L		Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513862-009		Received: 08/09/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/10/24	
Diln Fac: 1.000		Analyzed: 08/12/24	
513862-009 Analyte		Result	RL Units
Lead		30	0.50 ug/ft2
Field ID: CLEAR-ENC-Z8EB-L9-240809-L		Batch#: 347393	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513862-010		Received: 08/09/24	Analyst: SBW
Matrix: Wipe		Prepared: 08/10/24	
Diln Fac: 1.000		Analyzed: 08/12/24	
513862-010 Analyte		Result	RL Units
Lead		14	0.50 ug/ft2

Lead

Lab #: 513862	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-FIELDBLANK-240809-L-LO	Batch#: 347395	Prep: EPA 3050B
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513862-011	Received: 08/09/24	Analyst: SBW
Matrix: Wipe	Prepared: 08/10/24	
Diln Fac: 1.000	Analyzed: 08/12/24	

513862-011 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: CLEAR-MEDBLANK-240809-L-LO	Batch#: 347395	Prep: EPA 3050B
Type: SAMPLE	Sampled: 08/09/24	Analysis: EPA 6010B
Lab ID: 513862-012	Received: 08/09/24	Analyst: SBW
Matrix: Wipe	Prepared: 08/10/24	
Diln Fac: 1.000	Analyzed: 08/12/24	

513862-012 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 347393	Analysis: EPA 6010B
Lab ID: QC1177055	Prepared: 08/10/24	Analyst: SBW
Matrix: Wipe	Analyzed: 08/12/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1177055 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 347395	Analysis: EPA 6010B
Lab ID: QC1177061	Prepared: 08/10/24	Analyst: SBW
Matrix: Wipe	Analyzed: 08/12/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1177061 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 513862

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1177056

Matrix: Wipe

Diln Fac: 1.000

Batch#: 347393

Prepared: 08/10/24

Analyzed: 08/12/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1177056 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.63	105	80-120	ug/ft2

Type: BS

Lab ID: QC1177062

Matrix: Wipe

Diln Fac: 1.000

Batch#: 347395

Prepared: 08/10/24

Analyzed: 08/12/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1177062 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.06	102	80-120	ug/ft2

Type: BSD

Lab ID: QC1177057

Matrix: Wipe

Diln Fac: 1.000

Batch#: 347393

Prepared: 08/10/24

Analyzed: 08/12/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1177057 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	52.28	105	80-120	ug/ft2	1	20

Type: BSD

Lab ID: QC1177063

Matrix: Wipe

Diln Fac: 1.000

Batch#: 347395

Prepared: 08/10/24

Analyzed: 08/12/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1177063 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.57	103	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent
Difference