



Hangar 1 Data Summary Submittal

Low Occupancy Area of Zone 6
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
<	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 6 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 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 6 within Hangar 1.

The National Association of Corrosion Engineers (NACE) inspection reports indicate that the lead and polychlorinated biphenyl (PCB) impacted paint was successfully removed and the surface cleanliness goal has been met, as shown in Attachment 1, and the Data Usability Assessment indicates that the collected confirmation wipe sampling data are suitable for comparison against the numeric Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead concentration in the 75 confirmation wipe samples collected from within the Low Occupancy Area of Zone 6 was approximately 90 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 samples collected from within the Low Occupancy Area of Zone 6.

As indicated by the NACE inspection reports and the lead and PCB confirmation wipe sampling results, the Low Occupancy Area of Zone 6 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 6.



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 6 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 6 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 and C/D³, and a table summarizing these results (Attachment 6).

¹ The Low Occupancy Area of Zone 6 includes the area above the arch pin (i.e., 55-feet above the hangar floor) in Enclosures A/B and C/D.

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

³ Following Regulatory Agency approval of the *PCB Wipe Sampling Reduction Memorandum* dated September 13, 2023 (Rincon, 2023c), PCB clearance wipe samples were not collected in Zone 6.



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 (Section 2.2) results indicate that the Cleanup Goals have been met and no additional abatement is necessary within the Low Occupancy Area of Zone 6.

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 6, 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 both the High and Low Occupancy Areas of Zone 6 was completed on February 10, 2024.



2.2.1 Initial Abatement and Sampling Efforts

A total of 115 confirmation wipe samples were collected from the Low Occupancy Area of Zone 6, including QC samples (i.e., field blank samples, media blank samples, and field duplicate samples). Of the 115 confirmation wipe samples and QC samples, 91 were lead wipe samples and 24 were PCB wipe samples,⁵ including:

- 75 lead confirmation wipe samples and 20 PCB confirmation wipe samples;
- Four lead media blank samples;⁶
- Four lead field blank samples and two PCB field blank samples; and,
- Eight lead duplicate confirmation wipe samples and two PCB duplicate confirmation wipe samples.

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

2.2.2 Evaluation of the Confirmation Wipe Sampling Data

Upon completion of confirmation wipe sampling activities within the Low Occupancy Area of Zone 6, three of the lead confirmation wipe samples collected, or approximately 4-percent, exceeded the numeric Cleanup Goal of less than (<) 250 µg/ft²; none of the lead concentrations in the confirmation wipe samples collected from the Low Occupancy Area of Zone 6 exceeded 3-times or 5-times the numeric Cleanup Goal.

Rincon calculated the 95-percent UCL for the mean lead concentration in the confirmation wipe samples using Version 5.2 of the ProUCL program (U.S. EPA, 2022). The results for the field blank samples, the media blank samples, and the lower of the duplicate sampling results⁷ were not included in the calculation of the 95-percent UCL. As shown in Table 1, the 95-percent UCL of the mean lead concentration (i.e., approximately 90 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 (i.e., the highest reported laboratory quantitation limits [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 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 6.

Table 1 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	90 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.			

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.

⁷ If the concentration in the duplicate samples were the same, only one result was included in the ProUCL input file.



3 Data Usability Assessment

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

Based on this data usability assessment (DUA), the validated confirmation sampling data are considered suitable to assess whether the 95-percent UCL of the mean concentrations of lead and PCBs in the confirmation wipe samples are less than the numeric Cleanup Goals. However, as all PCB confirmation wipe sample results were below the highest reported laboratory QL (i.e., 0.5 µg/100 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.

A field audit by Rincon's field manager, which included a review of the field sampling protocols, was conducted on January 22, 2024. Rincon's field manager observed field personnel conducting field sampling activities to confirm that all activities were conducted in accordance with standard operating procedures (SOPs) developed for field sampling activities associated with the NTCRA.⁸ The results of the field audit indicated that the field activities being conducted at Hangar 1, including confirmation wipe sampling activities, were being conducted in accordance with the NTCRA Work Plan as well as the SOPs developed for field activities associated with the NTCRA.

As the total square footage of steel in Zone 6 was greater than that estimated in Worksheet #20-2, additional confirmation lead wipe samples were collected within the Low Occupancy Area to maintain the appropriate sample collection frequency as described in the revised Worksheet #20-2⁹ of the UFP-QAPP. The actual confirmation lead wipe sampling frequency (i.e., one sample per 1,969 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 per the UFP-QAPP (i.e., the revised Worksheet #20-2). A summary of the total number of confirmation lead wipe samples and field QC samples is provided for lead in Table 2.

⁸ When reviewing field documentation on January 8, 2024, the Project Team noticed that the field audit for Quarter 4 of 2023 had not been completed in December of 2023. The field audit conducted on January 22, 2024 was a make-up field audit for the missed field audit for Quarter 4 of 2023. For more information, please refer to the Biweekly Report for the period ending on January 26, 2024. Copies of all field audits will be included in the NTCRA Completion Report.

⁹ 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).



Following Regulatory Agency approval of the *Reduction of Confirmation and Clearance Wipe Sample Collection for PCB Analysis in Zone 5 through Zone 8 Memorandum* (PCB Sampling Reduction Memo; Rincon, 2023c), Rincon implemented the reduced PCB confirmation wipe sampling frequency during confirmation wipe sampling in Zone 6. Table 3 provides a summary of the total number of confirmation samples and field QC samples for PCBs within the Low Occupancy Area of Zone 6.

Table 2 Lead Wipe Sample Summary

	No. of Lead Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Field Blanks or Frequency [b]	No. of Media Blanks or Frequency [b]
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 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 5	147,660 ft ²			
Samples Collected	75	8	4	4
Actual Frequency	1 sample per 1,969 ft ² of abated steel	11%	5%	5%
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 3 PCB Wipe Sample Summary

	No. of PCB Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Field Blanks or Frequency [a]
Required frequency per Rincon 2023c	10 samples per enclosure [b]	10%	5%
Anticipated Number of Samples	20	2	2
Samples Collected	20	2 [10%]	2 [10%]
Notes: [a] Field blank samples are equivalent to media blank samples referenced in the UFP-QAPP. [b] As stated in the PCB Wipe Sampling Reduction Memo (Rincon, 2023c), while the NTCRA Work Plan originally proposed reducing the confirmation sampling frequency to 10 samples plus one duplicate sample per enclosure, the Project Team will remain consistent with the overall number of samples per zone; therefore, 40 confirmation samples plus 4 duplicate samples will be collected per Zone. The remaining 20 PCB confirmation wipe samples were collected within the High Occupancy Area of Zone 6 and will therefore be described in the Data Summary Submittal for the High Occupancy Area of Zone 6.			

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 47 samples and Stage 2A validation was conducted on the remaining 68 samples (Attachment 5).

Based on LDC's review of the analytical laboratory reports and their supporting data, no sample results were qualified and none of the analytical results were rejected.

3.3 Data Precision

Data precision is a quantitative measure of the variability of a group or data compared with their average value. Precision is stated in terms of relative percent difference (RPD) for pairs of data or

relative standard deviation for larger groups of data. Below is a discussion of the data precision evaluation conducted on the confirmation wipe samples collected.

3.3.1 Laboratory Duplicate Samples

Laboratory duplicate samples were analyzed at the required frequency outlined in the Worksheet #28 of the UFP-QAPP (i.e., at least one laboratory control spike [LCS]/laboratory control spike duplicate [LCSD] pair per 20 samples or per batch if less than 20 samples). As seen in Table 4, all lead and PCB duplicate laboratory sample pairs met the measurement performance criteria (MPC) outlined in the UFP-QAPP.

Table 4 Laboratory Duplicate Sample Summary

Laboratory QC Sample	No. of Lab QC Samples Analyzed	MPC	No. of Lab QC Samples Exceeding MPC	Percentage of Laboratory QC Samples that Exceeded the MPC
LCS/LCSD – Lead	8	RPD $\leq$ 20%	0	0%
LCS/LCSD – PCB	2	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 5, all lead field duplicate samples met the MPC outlined in the UFP-QAPP; the agreement between results of the original sample and the duplicate sample indicate that the cleaning procedures used prior to sampling were implemented consistently throughout the abated area and that the field sampling was conducted in a reproducible manner.

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

Table 5 Field Duplicate Sample Summary

Analyte – Sample Type	No. of Field Duplicate Samples Collected	MPC	No. of Field Duplicate Samples in Exceedance of the MPC	Percentage of Field Duplicate Samples that Exceeded the MPC
Lead – Wipe	8	RPD $\leq$ 100%	0	0%
PCB – Wipe	2	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.¹⁰ Data accuracy is a measure of the overall agreement with a known value and includes a combination of random error and systematic error, with both parameters potentially resulting from analytical error. Data accuracy is evaluated using laboratory QC samples.

¹⁰ As indicated in the UFP-QAPP, matrix spike and matrix spike duplicate samples are not prepared and analyzed for wipe samples.

3.4.1 Laboratory QC Samples

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

Table 6 Laboratory QC Sample Summary

Laboratory QC Samples	No. of Samples Analyzed	MPC	No. of Samples Outside of the MPC	Percentage of Samples that do not meet MPC
Lead LCS and LCSD	16	%R 80-120%	0	0%
Lead Method Blank Samples	8	<QL	0	0%
PCB LCS and LCSD	4	%R 60-140%	0	0%
PCB Method Blank Samples	2	<QL	0	0%
Notes: %R: Percent Recovery				

3.4.2 Laboratory Surrogate Spikes

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

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

3.4.3 Field QC Samples

A summary of the field and media blank samples is provided in Table 7.

Table 7 Field QC Sample Summary

Laboratory QC Samples	No. of Samples Analyzed	MPC	Percentage of Samples that do not meet MPC
Lead Field Blank Samples	4	<10 µg/ft ²	0%
Lead Media Blank Samples [a]	4	<QL	0%
PCB Field Blank Samples	2	<QL	0%
Notes: [a] As described in the <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 6. 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 one of the four field blank samples collected; however, the result did not exceed the MPC of <10 µg/ft² and the reported result for the field blank sample was more than 50 times 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 sample is likely a result of low concentrations of lead dust that are known to be in the air following abatement and cleaning activities within the enclosures as opposed to lead contamination in the wipe sampling media.¹¹

¹¹ Because lead was detected in personal air samples that were collected during NACE inspection and confirmation wipe sampling activities, it is understood that lead dust remains suspended in the air throughout such activities and is anticipated to contribute small to negligible

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 concentration in the associated field blank sample, 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 6.

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 6:

- A field audit, which included a review of the field sampling protocols, was conducted by Rincon's field manager on January 22, 2024. Sample collection was performed in compliance with the field SOPs included in the UFP-QAPP for the collection and analysis of lead and PCB confirmation wipe samples; and
- All confirmation wipe samples were analyzed within acceptable sample holding times and all field and laboratory personnel adhered to the appropriate sample handling and storage requirements outlined in the UFP-QAPP.¹²

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 that passes all QC criteria and qualified data that did not pass all the QC criteria but that was not flagged for rejection.

concentrations of lead to confirmation wipe samples. NACE inspectors, Rincon, and any other trades that may enter the structure before it is pressure washed are required to wear half-faced respirators with P100 filters, which protects these personnel from potential exposures to the residual concentrations of lead containing dust that may be present in the air within the enclosures.

¹² Rincon personnel 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.



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

Table 8 Completeness for Confirmation Wipe Samples

Analyte – Sample Type	Total No. of Samples	Usable Results (%)	Unusable Results (%)	% Completeness - MPC
Lead – Wipe	75	100%	0%	>90%
PCB – Wipe	20	100%	0%	>90%

3.5.3 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Data are considered comparable if quality assurance (QA)/QC measures, such as sample collection procedures, analytical methods, reporting units, and analytical reporting limits are equivalent for the samples within a data set. Adherence to QA/QC measures assures that samples collected in similar conditions (i.e., the Low Occupancy Area of Zone 6) 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 6, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audit conducted on January 22, 2024, as well as regular reviews of field forms and chain-of-custody forms, it was determined that field activities, including confirmation wipe sampling activities, were conducted in accordance with the NTCRA Work Plan as well as SOPs developed for field activities associated with the NTCRA.

3.6 Sensitivity

Sensitivity is the capability of a method or instrument to discriminate among measurement responses representing different levels of the variable of interest. As seen in Table 9, the laboratory specific QLs outlined in the UFP-QAPP were 0.5 µg/ft² for lead and 0.5 µg/100 cm² for PCBs. The reporting limits for all the lead and PCB confirmation wipe samples did not exceed the laboratory specific QL as identified in the UFP-QAPP, and the sensitivities of the methods were sufficient for the comparison of sample results to the numeric Cleanup Goals.

Table 9 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	0.5 µg/ft ²	0.50 µg/ft ²
PCB	U.S. EPA Method 8082	≤100 µg/100 cm ²	0.5 µg/100 cm ²	0.50 µg/100 cm ²

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 and C/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). Following Regulatory Agency approval of the PCB Sampling Reduction Memo (Rincon, 2023c), clearance wipe samples collected within Zone 6 were only analyzed for lead.

4.1 Clearance Wipe Re-Sampling Activities and Results

4.1.1 Zone 6 Enclosure A/B

Clearance wipe samples were collected from both above and below the bulkhead¹³ within Zone 6 Enclosure A/B. Following completion of clearance wipe sampling above and below the bulkhead, the average lead concentration was calculated for the entirety of Zone 6 Enclosure A/B which was compared to the Clearance Goal, as described below.

Above the Bulkhead

Initial clearance wipe sampling of Zone 6 Enclosure A/B above the bulkhead was conducted on November 15, 2023. Five of the clearance wipe samples collected on November 15, 2023 had elevated lead concentrations. As a result, the areas with elevated lead concentrations in Zone 6 Enclosure A/B were re-cleaned and re-sampled, which resulted in the collection of five additional lead clearance wipe samples and one additional duplicate lead clearance wipe sample on November 20, 2023.

Upon the completion of re-cleaning and re-sampling, one location had elevated lead concentrations, therefore additional re-cleaning and re-sampling was required.

One additional location was re-cleaned and re-sampled, resulting in the collection of one additional lead clearance wipe sample and one additional lead duplicate sample on November 27, 2023. Upon the completion of the second round of re-cleaning and re-sampling, no clearance wipe samples exceeded the Clearance Goal for lead.

Below the Bulkhead

Clearance wipe sampling below the bulkhead in Zone 6 Enclosure A/B was conducted on December 15, 2023. Upon completion of clearance wipe sampling above and below the bulkhead in Zone 6 Enclosure

¹³ A bulkhead was constructed between scaffold levels 17 and 18 in Zone 6 Enclosure A/B. Due to a forecasted rain event, abatement, confirmation sampling, priming, cleaning, and clearance wipe sampling of the area above the bulkhead was completed before abatement was completed below the bulkhead in order to prevent flash rust on the abated steel. See the Biweekly Report for the period between November 4 and November 17, 2023 for additional details.

A/B, the average lead concentration in the clearance wipe samples collected within the entirety of Zone 6 Enclosure A/B (i.e., 226 $\mu\text{g}/\text{ft}^2$) was below the Clearance Goal.

4.1.2 Zone 6 Enclosure C/D

Initial clearance wipe sampling above and below the bulkhead in Zone 6 Enclosure C/D was conducted on February 22, February 23, and February 26, 2024. The average lead concentration in the clearance wipe samples collected from within Zone 6 Enclosure C/D (i.e., 311 $\mu\text{g}/\text{ft}^2$) exceeded the Clearance Goal (i.e., <250 $\mu\text{g}/\text{ft}^2$).

As a result, the areas with elevated lead concentrations in Zone 6 Enclosure C/D were re-cleaned and re-sampled, which resulted in the collection of seven additional lead clearance wipe samples and one additional lead duplicate sample on February 26 and February 27, 2024.

Upon completion of re-cleaning and re-sampling, the average lead concentration in the clearance wipe samples (i.e., 160 $\mu\text{g}/\text{ft}^2$) collected within Zone 6 Enclosure C/D were below the Cleanup Goal for lead (i.e., 250 $\mu\text{g}/\text{ft}^2$).

4.2 Data Review for Clearance Wipe Samples

Rincon conducted a review of laboratory analytical reports for the clearance wipe samples collected in Zone 6. 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 6 are presented in Attachment 6. The average lead clearance sampling results for Enclosure A/B and C/D, after re-cleaning and re-sampling, were 226 and 160 $\mu\text{g}/\text{ft}^2$, respectively. The results for the field blank samples, the media blank samples, the lower of the duplicate sampling results, and the original results from locations that were re-cleaned and re-sampled were not included in the calculation of the average of the clearance wipe sampling results. In addition, “b” flags were applied to five lead sample results due to high recoveries for lead in the presence of high concentrations of aluminum in the interference check standards; however, these recoveries did not have any impact on data quality.¹⁴

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

¹⁴ High recoveries were reported for lead due to the presence of high concentrations of aluminum in the interference check standard; this resulted in a “b” flag applied to select lead sample results. While the high lead recoveries in the interference check standards could indicate that the reported lead concentrations in sample results could be biased high, Enthalpy’s lead analyst reported that the aluminum concentrations in the sample results were significantly lower than the aluminum concentrations in the interference check standards and as a result, it is unlikely that the lead results in the clearance samples are biased high and the “b” flags that were added by the analytical laboratory do not have a material effect on the reported lead results in the clearance wipe samples.

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 two enclosures within Zone 6.



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 6 was approximately $90 \mu\text{g}/\text{ft}^2$, 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 6.

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 6 is suitable for unrestricted use.

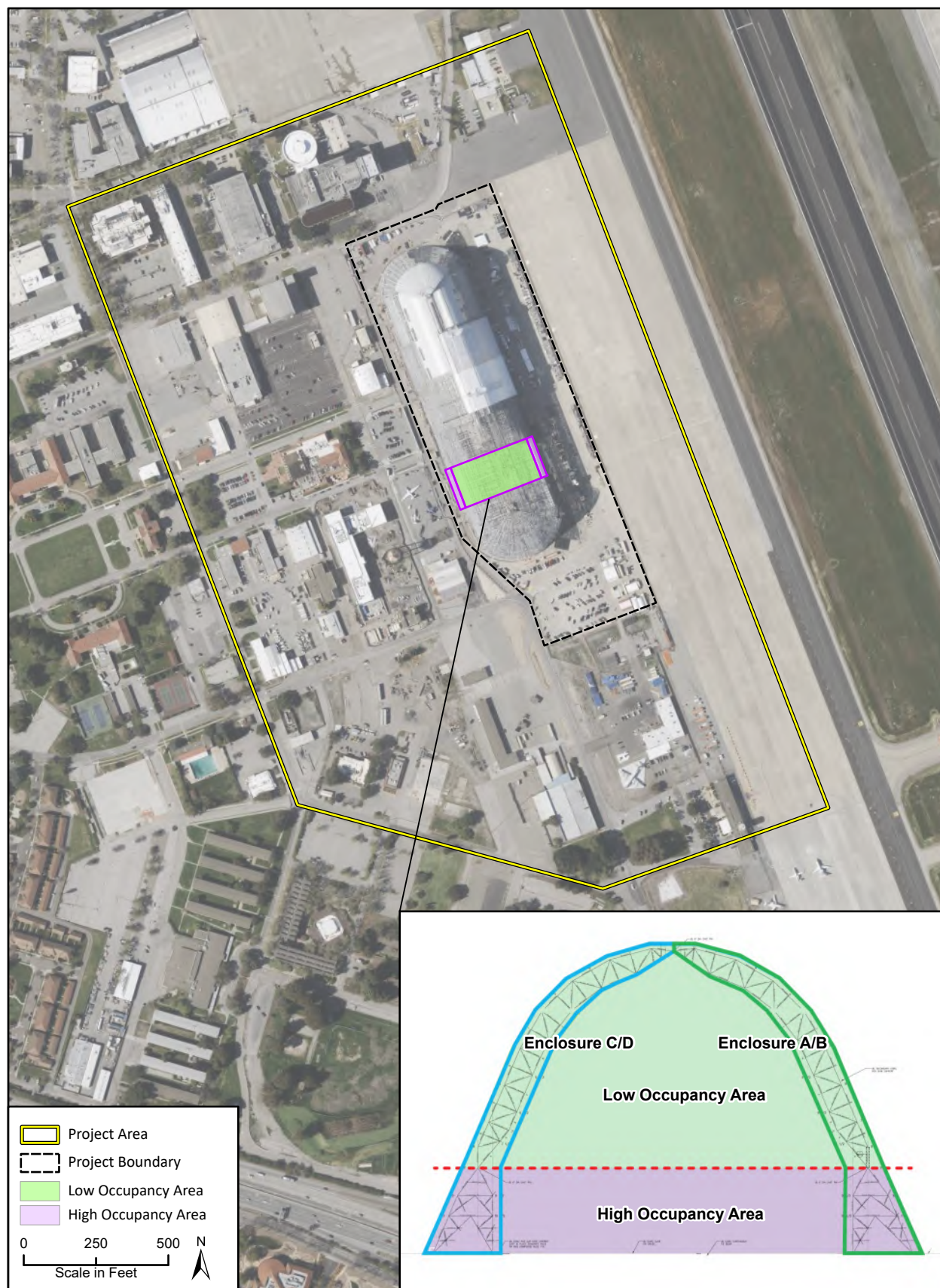
PV requests that the U.S. EPA and Water Board provide concurrence that no further abatement is required for the Low Occupancy Area of Zone 6.

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.
- 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



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Plan Map and Cross Section of Zone 6

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: ABRASSIVE BLASTING ZONE 6 AREA B

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Monday, October 23, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	5:17AM	10:17AM	1:17PM	5:17PM	Specified Conditions
Dry Bulb	61.2 °F	77.9 °F	83.1 °F	72.2 °F	35-120 F
Wet Bulb	57.9 °F	66.9 °F	67.3 °F	63.1 °F	
Depression	3.3 °F	11.0 °F	15.8 °F	9.1 °F	
Relative Humidity	81.8%	55.2%	41.2%	59.1%	85%
Dew Point	55.6 °F	60.5 °F	57.1 °F	57.2 °F	
Steel temp	59.4 °F	76.5 °F	82.0 °F	71.4 °F	35-120 F
Difference	3.8 °F	16.0 °F	24.9 °F	14.3 °F	+5 F
Conditions	NOT SAT	SAT	SAT	SAT	

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 447113

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

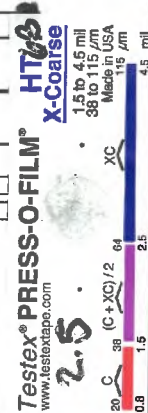
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 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: DAY 1 BLASTING ZONE 6 AREA B. 15 BLASTERS.

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

QC Inspector Signature: _____

Date: 10/23/2023

QC Supervisor Signature: _____

Date: 10-23-23

Form No. QC0005 Revision: 2

Rev. Date 23-Sep-22

The results relate only to items inspected/tested

Distribution: 1. Jobsite file

2. Project Manager

3. Client

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Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASSIVE BLASTING ZONE 6 AREA B

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Tuesday, October 24, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	5:17AM	9:17AM	12:17PM	4:17PM					Specified Conditions
Dry Bulb	54.2 °F	57.6 °F	73.2 °F	72.1 °F					35-120 F
Wet Bulb	51.4 °F	55.1 °F	65.1 °F	64.0 °F					
Depression	2.8 °F	2.5 °F	10.3 °F	8.1 °F					
Relative Humidity	82.6%	85.0%	56.3%	63.7%					85%
Dew Point	49.0 °F	53.2 °F	58.8 °F	59.1 °F					
Steel temp	52.5 °F	56.3 °F	73.2 °F	71.0 °F					35-120 F
Difference	3.5 °F	3.1 °F	15.4 °F	11.9 °F					+5 F
Conditions	NOT SAT	NOT SAT	SAT	SAT					

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

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

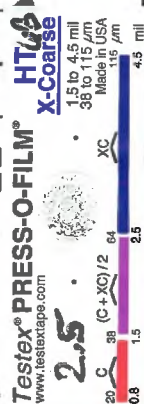
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.5 mils



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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: DAY 2 BLASTING ZONE 6 AREA B. 16 BLASTERS.

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

QC Inspector Signature: _____ Date: 10/24/2023
QC Supervisor Signature: _____ Date: 10-24-23
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT



Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASSIVE BLASTING ZONE 6 AREA B

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Wednesday, October 25, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	5:17AM	9:17AM	1:17pm	5:17pm				
Dry Bulb	49.6 °F	69.1 °F	82.0 °F	71.6 °F				35-120 F
Wet Bulb	47.2 °F	59.4 °F	65.6 °F	60.3 °F				
Depression	2.4 °F	9.7 °F	16.4 °F	11.3 °F				
Relative Humidity	83.3%	54.5%	38.0%	49.1%				85%
Dew Point	44.8 °F	52.0 °F	53.9 °F	51.5 °F				
Steel temp	48.0 °F	67.5 °F	80.8 °F	70.6 °F				35-120 F
Difference	3.2 °F	15.5 °F	26.9 °F	19.2 °F				+5 F
Conditions	NOT SAT	SAT	SAT	SAT				

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.

Work area illumination value: >50 FC

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 447113

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

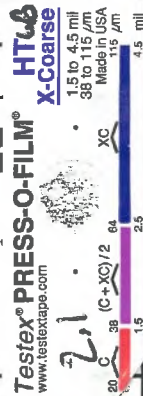
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.1 mils



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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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: DAY 3 BLASTING ZONE 6 AREA B. 16 BLASTERS.

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

QC Inspector Signature: _____

Date: 10/25/2023

QC Supervisor Signature: _____

Date: 10.25.23

Form No. QC0005 Revision: 2

Rev. Date 23-Sep-22

The results relate only to items inspected/tested

Distribution: 1. Jobsite file

2. Project Manager

3. Client

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



Client Representative: McCARTHY
 Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: ABRASSIVE BLASTING ZONE 6 AREA B

Project: HANGAR 1
 Inspector: TJ GARDNER
 Date Worked: Thursday, October 26, 2023
 Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	6:17AM	10:17AM	1:17PM	5:17pm				
Dry Bulb	48.5 °F	72.9 °F	75.1 °F	63.2 °F				35-120 F
Wet Bulb	44.4 °F	58.6 °F	59.5 °F	55.0 °F				
Depression	4.1 °F	14.3 °F	15.6 °F	8.2 °F				
Relative Humidity	71.8%	36.3%	32.9%	42.9%				85%
Dew Point	39.8 °F	44.7 °F	44.0 °F	43.3 °F				
Steel temp	46.6 °F	74.0 °F	73.6 °F	61.8 °F				35-120 F
Difference	6.8 °F	26.0 °F	29.6 °F	22.0 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

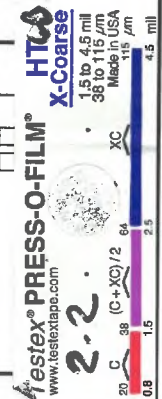
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
 QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☐ SP 11 ☐
 Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☒ SP 11 ☐
 Pressure Washing: N/A PSI
 Comments: N/A
 Abrasive used: Type GARNET 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: 2.2 mils



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

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Notes: DAY 4 BLASTING ZONE 6 AREA B. 16 BLASTERS.

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

QC Inspector Signature: [Signature] Date: 10/26/2023
 QC Supervisor Signature: [Signature] Date: 10.26.23
 Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELLA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT



Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASSIVE BLASTING ZONE 6 AREA B

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Monday, October 30, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:						Specified Conditions
Time	6:27AM	10:27AM	1:27PM	5:17PM		
Dry Bulb	48.5 °F	72.9 °F	77.3 °F	71.6 °F		35-120 F
Wet Bulb	44.4 °F	58.6 °F	59.4 °F	56.8 °F		
Depression	4.1 °F	14.3 °F	17.9 °F	14.8 °F		
Relative Humidity	71.8%	36.3%	22.2%	31.9%		85%
Dew Point	39.8 °F	44.7 °F	35.8 °F	40.1 °F		
Steel temp	46.6 °F	70.6 °F	76.1 °F	70.6 °F		35-120 F
Difference	6.8 °F	26.0 °F	40.4 °F	30.5 °F		+5 F
Conditions	SAT	SAT	SAT	SAT		

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 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)

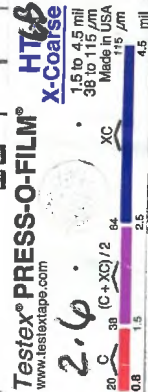
Blasting performed by evaluated/approved blasters: YES ☒ NO ☐

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



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

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

Notes: DAY 5 BLASTING ZONE 6 AREA B. 16 BLASTERS.

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

QC Inspector Signature: _____

Date: 10/30/2023

QC Supervisor Signature: _____

Date: 10-31-23

Form No. QC0005 Revision: 2

Rev. Date 23-Sep-22

The results relate only to items inspected/tested

Distribution: 1. Jobsite file

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



Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASSIVE BLASTING ZONE 6 AREA B

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Tuesday, October 31, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	6:27AM	10:27AM	1:27PM	5:17PM				
Dry Bulb	48.5 °F	72.9 °F	77.3 °F	72.1 °F				35-120 F
Wet Bulb	44.4 °F	58.6 °F	59.4 °F	58.7 °F				
Depression	4.1 °F	14.3 °F	17.9 °F	13.4 °F				
Relative Humidity	71.8%	36.3%	22.2%	35.3%				85%
Dew Point	39.8 °F	44.7 °F	35.8 °F	43.2 °F				
Steel temp	46.6 °F	70.6 °F	76.1 °F	70.3 °F				35-120 F
Difference	6.8 °F	26.0 °F	40.4 °F	27.1 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSTECTOR Model No. DPM Serial No. 447475

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☒ SP 11 ☐
Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET 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



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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

Part A Batch #s: _____ Part A Batch #s: _____
Part B Batch #s: _____ Part B Batch #s: _____
Part C Batch #s: _____ Part C Batch #s: _____
Thinner Batch #s: _____ Thinner Batch #s: _____

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

Part A Batch #s: _____ Part A Batch #s: _____
Part B Batch #s: _____ Part B Batch #s: _____
Part C Batch #s: _____ Part C Batch #s: _____
Thinner Batch #s: _____ Thinner Batch #s: _____

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: DAY 6 BLASTING ZONE 6 AREA B. 16 BLASTERS.

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

QC Inspector Signature: _____

Date: 10/31/2023

QC Supervisor Signature: _____

Date: 10-1-23

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: **ABRESIVE BLAST ZONE 6 AREA B**

Project: **HANGAR 1**
 Inspector: **TJ GARDNER**
 Date Worked: **Wednesday, November 1, 2023**
 Address: **FORMER NAVAL AIR STATION**
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	6:17AM	10:17AM	1:17PM	5:17PM				
Dry Bulb	48.5 °F	72.9 °F	75.1 °F	66.6 °F				35-120 F
Wet Bulb	44.4 °F	58.6 °F	59.5 °F	55.0 °F				
Depression	4.1 °F	14.3 °F	15.6 °F	11.6 °F				
Relative Humidity	71.8%	36.3%	32.9%	42.9%				85%
Dew Point	39.8 °F	44.7 °F	44.0 °F	43.3 °F				
Steel temp	46.6 °F	70.6 °F	73.6 °F	65.3 °F				35-120 F
Difference	6.8 °F	26.0 °F	29.6 °F	22.0 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? **CONTAINMENT AND DUST COLLECTORS.**

Work area illumination value: **>50 FC**

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

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

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type **GARNET** 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: _____ $\mu\text{g}/\text{cm}^2$

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: **DAY 7 BLASTING ZONE 6 AREA B. 16 BLASTERS.**

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

QC Inspector Signature: _____

Date: **11/1/2023**

QC Supervisor Signature: _____

Date: **11-7-23**

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

The results relate only to items inspected/tested

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



Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLAST ZONE 6 AREA B

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Thursday, November 2, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	6:17AM	10:17AM	1:17PM	5:17PM				
Dry Bulb	51.1 °F	69.3 °F	81.2 °F	74.9 °F				35-120 F
Wet Bulb	44.0 °F	56.1 °F	63.5 °F	59.1 °F				
Depression	7.1 °F	13.2 °F	17.7 °F	15.8 °F				
Relative Humidity	51.5%	37.6%	31.5%	31.8%				85%
Dew Point	33.9 °F	42.3 °F	48.1 °F	42.9 °F				
Steel temp	49.2 °F	67.1 °F	80.6 °F	74.8 °F				35-120 F
Difference	15.3 °F	24.8 °F	32.5 °F	31.9 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

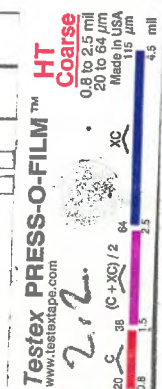
Compressed Air Tested? YES ☒ NO ☐

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: 2.2 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 ☐

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: DAY 7 BLASTING ZONE 6 AREA B. 16 BLASTERS. BLASTING COMPLETE @ 8:15AM.
TOUCHUP SPOT BLASTING TILL 9:00AM.

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

QC Inspector Signature: _____ Date: 11/2/2023

QC Supervisor Signature: _____ Date: 11-7-23

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: **TJ GARLAND-ISRAEL VILLOBOS**
Work Location: **MOFFETT FIELD CA.**
Owner: **GOOGLE**
Task: **ZONE 6 AREA A BLASTING**

Project: **HANGAR 1**
Inspector: **TJ GARDNER II**
Date Worked: **Monday, November 20, 2023**
Address: **FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305**

Environmental Conditions:								Specified Conditions
Time	5:49AM	10:49AM	1:49PM	5:49PM				
Dry Bulb	51.9 °F	61.2 °F	65.7 °F	62.5 °F				35-120 F
Wet Bulb	45.5 °F	51.1 °F	53.9 °F	51.6 °F				
Depression	6.4 °F	10.1 °F	11.8 °F	10.9 °F				
Relative Humidity	58.1%	44.7%	40.1%	41.5%				85%
Dew Point	37.6 °F	39.5 °F	40.8 °F	38.8 °F				
Steel temp	50.0 °F	60.0 °F	64.4 °F	61.4 °F				35-120 F
Difference	12.3 °F	20.5 °F	23.5 °F	22.6 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

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

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

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: **N/A** PSI

Comments: **N/A**

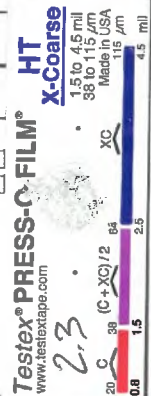
Abrasive used: Type **GARNET** Compressed Air Tested? YES ☒ NO ☐
Size **GX2** (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: **2** mils Actual Profile: **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: **DAY 1 BLASTING ZONE 6A.**

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

QC Inspector Signature: _____ Date: **11/20/2023**

QC Supervisor Signature: _____ Date: **11-21-23**

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

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



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA A BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Tuesday, November 21, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	5:49AM	9:49AM	1:49PM	4:49PM					Specified Conditions
Dry Bulb	48.5 °F	57.0 °F	63.3 °F	63.6 °F					35-120 F
Wet Bulb	42.3 °F	48.9 °F	52.5 °F	53.5 °F					
Depression	6.2 °F	8.1 °F	10.8 °F	10.1 °F					
Relative Humidity	55.8%	52.3%	42.8%	47.3%					85%
Dew Point	33.5 °F	39.7 °F	40.3 °F	43.2 °F					
Steel temp	46.6 °F	55.7 °F	62.8 °F	62.6 °F					35-120 F
Difference	13.1 °F	16.0 °F	22.5 °F	19.4 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

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

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

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____
Satisfactory Pre-cleaning Completed: YES ☒ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☒ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET 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 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: DAY 2 BLASTING ZONE 6A.

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

QC Inspector Signature: _____

Date: 11/21/2023

QC Supervisor Signature: _____

Date: 11-22-23

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

The results relate only to items inspected/tested

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

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



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA A BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Wednesday, November 22, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	5:49AM	9:49AM	1:49PM	4:49PM					Specified Conditions
Dry Bulb	49.7 °F	56.3 °F	65.1 °F	63.5 °F					35-120 F
Wet Bulb	44.4 °F	49.4 °F	54.6 °F	53.2 °F					
Depression	5.3 °F	6.9 °F	10.5 °F	10.3 °F					
Relative Humidity	64.1%	58.6%	46.9%	46.1%					85%
Dew Point	38.1 °F	42.0 °F	44.4 °F	42.4 °F					
Steel temp	47.8 °F	54.9 °F	64.9 °F	62.4 °F					35-120 F
Difference	9.7 °F	12.9 °F	20.2 °F	20.0 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 447113

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET 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



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:

Part A Batch #'s: _____

Part B Batch #'s: _____

Part C Batch #'s: _____

Thinner Batch #'s: _____

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 _____

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:

Part A Batch #'s: _____

Part B Batch #'s: _____

Part C Batch #'s: _____

Thinner Batch #'s: _____

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 _____

Notes: DAY 3 BLASTING ZONE 6A.

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

QC Inspector Signature: _____

Date: 11/22/2023

QC Supervisor Signature: _____

Date: 11-27-23

Form No. QC0005 Revision: 2

Rev. Date 23-Sep-22

The results relate only to items inspected/tested

Distribution: 1. Jobsite file

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



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA A BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Monday, November 27, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	5:49AM	9:49AM	12:49PM	4:49PM					Specified Conditions
Dry Bulb	44.2 °F	50.3 °F	58.2 °F	61.2 °F					35-120 F
Wet Bulb	38.4 °F	43.7 °F	48.7 °F	51.3 °F					
Depression	5.8 °F	6.6 °F	9.5 °F	9.9 °F					
Relative Humidity	54.0%	55.1%	44.1%	45.6%					85%
Dew Point	28.6 °F	34.8 °F	36.5 °F	40.1 °F					
Steel temp	41.8 °F	48.8 °F	57.1 °F	59.8 °F					35-120 F
Difference	13.2 °F	14.0 °F	20.6 °F	19.7 °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. 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 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: 2.7 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: DAY 4 BLASTING ZONE 6A.

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

QC Inspector Signature: _____

Date: 11/27/2023

QC Supervisor Signature: _____

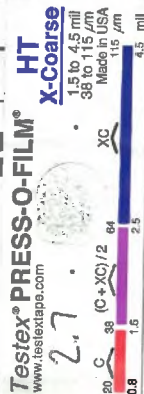
Date: 11-27-23

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

The results relate only to items inspected/tested

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



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA A BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Tuesday, November 28, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	5:49AM	9:49AM	12:49PM	4:49PM				
Dry Bulb	45.7 °F	50.2 °F	56.5 °F	59.9 °F				35-120 F
Wet Bulb	39.2 °F	42.8 °F	47.0 °F	49.4 °F				
Depression	6.5 °F	7.4 °F	9.5 °F	10.5 °F				
Relative Humidity	49.6%	47.8%	41.6%	39.6%				85%
Dew Point	27.9 °F	31.3 °F	33.5 °F	35.3 °F				
Steel temp	43.8 °F	48.8 °F	55.1 °F	58.9 °F				35-120 F
Difference	15.9 °F	17.5 °F	21.6 °F	23.6 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

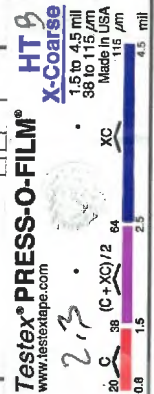
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☒ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET 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: DAY 5 BLASTING ZONE 6A.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/28/2023
QC Supervisor Signature: _____ Date: 11-29-23
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA A BLASTING

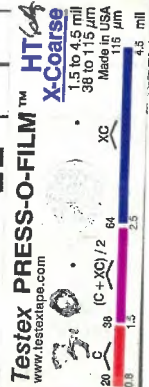
Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Wednesday, November 29, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	5:25AM	10:25AM	12:25PM	4:25PM				
Dry Bulb	65.9 °F	56.1 °F	58.6 °F	61.4 °F				35-120 F
Wet Bulb	56.7 °F	52.0 °F	53.8 °F	54.0 °F				
Depression	9.2 °F	4.1 °F	4.8 °F	7.4 °F				
Relative Humidity	54.0%	75.9%	72.6%	60.1%				85%
Dew Point	48.9 °F	48.6 °F	49.9 °F	47.5 °F				
Steel temp	58.0 °F	54.9 °F	57.6 °F	60.4 °F				35-120 F
Difference	9.2 °F	6.3 °F	7.7 °F	12.9 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

SURFACE PREPARATION
☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER
Satisfactory Pre-cleaning Completed: YES ☒ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☒ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET 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 mils



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

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

Notes: DAY 6 BLASTING ZONE 6A. 16 BLASTERS.

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

QC Inspector Signature: _____

Date: 11/29/2023

QC Supervisor Signature: _____

Date: 11-30-23

Form No. QC0005 Revision: _____

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 CORDELLA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT



Client Representative: MCCARTHY
 Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: ZONE 6 AREA A BLASTING

Project: HANGAR 1
 Inspector: TJ GARDNER II
 Date Worked: Thursday, November 30, 2023
 Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	5:25AM	9:25AM	12:25PM	4:25PM				
Dry Bulb	49.3 °F	53.8 °F	61.0 °F	59.4 °F				35-120 F
Wet Bulb	46.0 °F	49.7 °F	56.3 °F	52.1 °F				
Depression	3.3 °F	4.1 °F	4.7 °F	7.3 °F				
Relative Humidity	77.5%	74.5%	60.1%	59.3%				85%
Dew Point	42.6 °F	45.9 °F	47.0 °F	45.2 °F				
Steel temp	47.5 °F	52.7 °F	59.8 °F	58.2 °F				35-120 F
Difference	5.0 °F	6.8 °F	12.8 °F	13.0 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

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

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

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

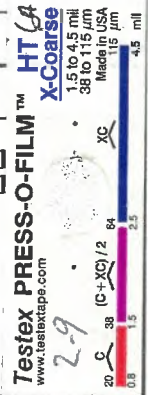
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.9 mils



PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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: DAY 7 BLASTING ZONE 6A. 16 BLASTERS.

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

QC Inspector Signature: _____

Date: 11/30/2023

QC Supervisor Signature: _____

Date: 12-5-23

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

The results relate only to items inspected/tested

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



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA A BLASTING

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

Environmental Conditions:								Specified Conditions
Time	5:25AM	9:25AM	12:25PM	4:25PM				
Dry Bulb	51.6 °F	56.9 °F	59.0 °F	59.6 °F				35-120 F
Wet Bulb	46.5 °F	50.2 °F	50.8 °F	52.3 °F				
Depression	5.1 °F	6.7 °F	8.2 °F	7.3 °F				
Relative Humidity	66.4%	60.9%	53.5%	56.9%				85%
Dew Point	40.8 °F	43.5 °F	42.1 °F	45.5 °F				
Steel temp	49.9 °F	56.0 °F	57.8 °F	58.4 °F				35-120 F
Difference	9.1 °F	12.5 °F	8.2 °F	7.3 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

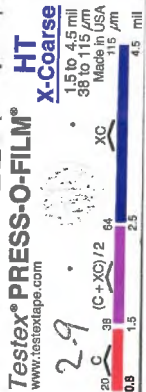
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

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 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: 2.9 mils



PRIMER

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

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐
Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
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: DAY 8 BLASTING ZONE 6A. 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 12/1/2023
QC Supervisor Signature: _____ Date: 12-1-23
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA A BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Saturday, December 2, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	5:25AM	9:25AM	12:25PM	2:25PM				
Dry Bulb	53.3 °F	56.3 °F	63.3 °F	63.6 °F				35-120 F
Wet Bulb	48.5 °F	51.5 °F	56.5 °F	57.6 °F				
Depression	4.8 °F	4.8 °F	6.8 °F	6.0 °F				
Relative Humidity	70.0%	71.6%	64.5%	68.8%				85%
Dew Point	43.7 °F	47.2 °F	51.1 °F	53.1 °F				
Steel temp	51.7 °F	55.2 °F	62.1 °F	62.5 °F				35-120 F
Difference	8.0 °F	8.0 °F	11.0 °F	9.4 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 447113

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

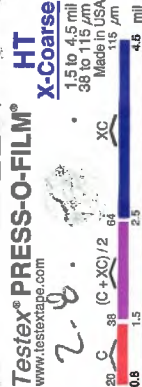
Abrasive used: Type GARNET Compressed Air Tested? YES ☒ NO ☐
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 2.8 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: DAY 8 BLASTING ZONE 6A. 16 BLASTERS.

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

QC Inspector Signature: _____

Date: 12/2/2023

QC Supervisor Signature: _____

Date: 12-6-23

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

The results relate only to items inspected/tested

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

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



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA A BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Monday, December 4, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	5:25AM	9:25AM	12:25PM	4:25PM				
Dry Bulb	54.6 °F	56.7 °F	63.0 °F	64.1 °F				35-120 F
Wet Bulb	50.9 °F	52.4 °F	56.4 °F	57.1 °F				
Depression	3.7 °F	4.3 °F	6.6 °F	7.0 °F				
Relative Humidity	77.2%	75.1%	65.1%	64.2%				85%
Dew Point	47.6 °F	48.9 °F	51.1 °F	51.8 °F				
Steel temp	53.1 °F	55.4 °F	61.9 °F	62.9 °F				35-120 F
Difference	5.5 °F	6.6 °F	10.8 °F	11.1 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 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 Size GX2 (attach pictures of blotter - note date & time)

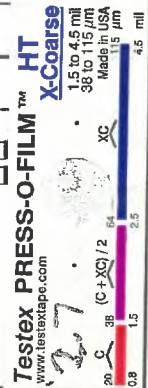
Compressed Air Tested? YES ☒ NO ☐

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: 2.7 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: DAY 9 BLASTING ZONE 6A. 16 BLASTERS.

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

QC Inspector Signature: _____

Date: 12/4/2023

QC Supervisor Signature: _____

Date: 12-6-23

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

The results relate only to items inspected/tested

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



Client Representative: McCARTHY
 Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: ZONE 6 AREA C BLASTING

Project: HANGAR 1
 Inspector: TJ GARDNER II
 Date Worked: Saturday, December 9, 2023
 Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	5:34AM	8:34AM	10:34AM	12:34PM					Specified Conditions
Dry Bulb	46.6 °F	48.3 °F	54.0 °F	63.1 °F					35-120 F
Wet Bulb	40.9 °F	42.1 °F	46.2 °F	52.8 °F					
Depression	5.7 °F	6.2 °F	7.8 °F	10.3 °F					
Relative Humidity	58.0%	55.6%	50.3%	46.0%					85%
Dew Point	32.6 °F	33.2 °F	35.9 °F	42.0 °F					
Steel temp	44.6 °F	46.1 °F	53.0 °F	62.3 °F					35-120 F
Difference	12.0 °F	13.0 °F	17.1 °F	20.4 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
 QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

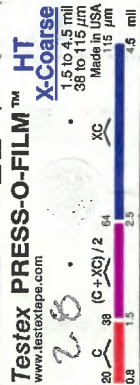
Compressed Air Tested? YES ☒ NO ☐

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: 2.8 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: DAY 1 BLASTING. 13 BLASTERS.

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

QC Inspector Signature: _____

Date: 12/9/2023

QC Supervisor Signature: _____

Date: 12-11-23

Form No. QC0005 Revision: 2

Rev. Date 23-Sep-22

The results relate only to items inspected/tested

Distribution: 1. Jobsite file

2. Project Manager

3. Client

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



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA C BLASTING

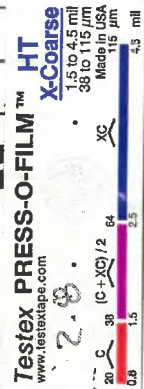
Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Monday, December 11, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	5:34AM	9:34AM	12:34AM	4:34PM				
Dry Bulb	44.9 °F	47.0 °F	61.2 °F	73.8 °F				35-120 F
Wet Bulb	40.0 °F	42.3 °F	54.2 °F	60.1 °F				
Depression	4.9 °F	4.7 °F	7.0 °F	13.7 °F				
Relative Humidity	62.9%	66.0%	62.3%	40.7%				85%
Dew Point	33.0 °F	36.2 °F	48.2 °F	48.5 °F				
Steel temp	43.0 °F	45.4 °F	60.2 °F	73.4 °F				35-120 F
Difference	10.0 °F	9.1 °F	12.0 °F	24.9 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

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



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:				
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:				
Qty. Mixed:	Qty. Applied:	Approximate SF:			
Min. Storage Temp.	Max. Storage Temp.	Actual Storage Temperature			

Notes: DAY 2 BLASTING. 16 BLASTERS.

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

QC Inspector Signature:

Date: 12/11/2023

QC Supervisor Signature:

Date: 12-12-23

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

The results relate only to items inspected/tested

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

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



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA C BLASTING

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

Environmental Conditions:

Time	6:34AM	10:34AM	1:34PM	4:34PM					Specified Conditions
Dry Bulb	44.5 °F	50.4 °F	64.9 °F	73.8 °F					35-120 F
Wet Bulb	39.9 °F	45.4 °F	55.7 °F	60.1 °F					
Depression	4.6 °F	5.0 °F	9.2 °F	13.7 °F					
Relative Humidity	64.3%	66.5%	53.6%	40.7%					85%
Dew Point	33.3 °F	39.6 °F	47.6 °F	48.5 °F					
Steel temp	42.5 °F	48.9 °F	64.2 °F	73.4 °F					35-120 F
Difference	9.2 °F	9.2 °F	16.6 °F	24.9 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.6 mils

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____

Material Applied: _____

Part A Batch #'s: _____

Part A Batch #'s: _____

Part B Batch #'s: _____

Part B Batch #'s: _____

Part C Batch #'s: _____

Part C Batch #'s: _____

Thinner Batch #'s: _____

Thinner Batch #'s: _____

Mix Time: _____

Start Application: _____

Time Complete: _____

Pot Life: _____

Mix Time: _____

Start Application: _____

Time Complete: _____

Pot Life: _____

Mix Time: _____

Start Application: _____

Time Complete: _____

Pot Life: _____

Material Temp: _____

Typical Wet Film Readings: _____ mils

Qty. Mixed: _____

Qty. Applied: _____

Approximate SF: _____

Min. Storage Temp. _____

Max. Storage Temp. _____

Actual Storage Temperature _____

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____

Material Applied: _____

Part A Batch #'s: _____

Part A Batch #'s: _____

Part B Batch #'s: _____

Part B Batch #'s: _____

Part C Batch #'s: _____

Part C Batch #'s: _____

Thinner Batch #'s: _____

Thinner Batch #'s: _____

Mix Time: _____

Start Application: _____

Time Complete: _____

Pot Life: _____

Mix Time: _____

Start Application: _____

Time Complete: _____

Pot Life: _____

Mix Time: _____

Start Application: _____

Time Complete: _____

Pot Life: _____

Material Temp: _____

Typical Wet Film Readings: _____ mils

Qty. Mixed: _____

Qty. Applied: _____

Approximate SF: _____

Min. Storage Temp. _____

Max. Storage Temp. _____

Actual Storage Temperature _____

Notes: DAY 3 BLASTING. 16 BLASTERS.

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

QC Inspector Signature: _____

Date: 12/12/2023

QC Supervisor Signature: _____

Date: 12-13-23

Form No. QC0005

Revision: 2

Rev. Date

23-Sep-22

The results relate only to items inspected/tested

Distribution: 1. Jobsite file

2. Project Manager

3. Client

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



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA C BLASTING

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

Environmental Conditions:

Time	5:34AM	9:34AM	12:34PM	4:34PM					Specified Conditions
Dry Bulb	51.1 °F	50.5 °F	61.0 °F	60.9 °F					35-120 F
Wet Bulb	46.4 °F	46.4 °F	55.2 °F	51.7 °F					
Depression	4.7 °F	4.1 °F	5.8 °F	9.2 °F					
Relative Humidity	69.0%	72.4%	68.6%	49.5%					85%
Dew Point	41.3 °F	42.0 °F	50.6 °F	41.9 °F					
Steel temp	49.3 °F	48.7 °F	60.1 °F	60.1 °F					35-120 F
Difference	8.0 °F	6.7 °F	9.5 °F	18.2 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.

Work area illumination value: >50 FC

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 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 ☐

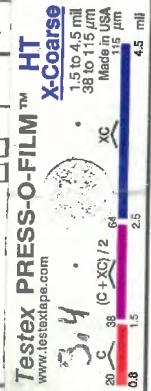
Size GX2 (attach pictures of blotter - note date & time)

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



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: DAY 4 BLASTING. 8 BLASTERS.

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

QC Inspector Signature: _____

Date: 12/13/2023

QC Supervisor Signature: _____

Date: 12-14-23

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

The results relate only to items inspected/tested

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

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



Client Representative: McCARTHY
Certified Supervisor: ~~Archie Rappaport~~ ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA C ABRASSIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Tuesday, January 2, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	6:34AM	10:34AM	12:34PM	4:34PM				
Dry Bulb	51.1 °F	52.1 °F	54.0 °F	59.1 °F				35-120 F
Wet Bulb	44.0 °F	45.1 °F	47.1 °F	53.0 °F				
Depression	7.1 °F	7.0 °F	6.9 °F	6.1 °F				
Relative Humidity	51.9%	53.9%	56.5%	66.1%				85%
Dew Point	34.1 °F	36.0 °F	38.9 °F	47.8 °F				
Steel temp	49.5 °F	50.2 °F	52.1 °F	57.1 °F				35-120 F
Difference	15.4 °F	14.2 °F	13.2 °F	9.4 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

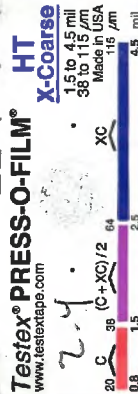
Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC

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

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

SURFACE PREPARATION

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

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

QC Inspector Signature: _____ Date: 1/2/2024
QC Supervisor Signature: _____ Date: 1-4-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT



Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA C ABRASSIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Wednesday, January 3, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	6:34AM	10:34AM	12:34PM	4:34PM				
Dry Bulb	46.2 °F	49.3 °F	60.2 °F	73.5 °F				35-120 F
Wet Bulb	40.6 °F	44.2 °F	53.0 °F	60.3 °F				
Depression	5.6 °F	5.1 °F	7.2 °F	13.2 °F				
Relative Humidity	58.2%	65.3%	59.9%	42.3%				85%
Dew Point	32.3 °F	38.1 °F	46.3 °F	49.2 °F				
Steel temp	44.9 °F	47.4 °F	59.8 °F	73.1 °F				35-120 F
Difference	12.6 °F	9.3 °F	13.5 °F	23.8 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? CONTAINMENT AND DUST COLLECTORS. HEATER 3,
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.

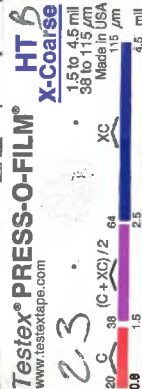
447113

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: 2.3 mils



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 6 AREA C ABRASIVE BLASTING

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

Environmental Conditions:								Specified Conditions
Time	6:34AM	10:34AM	1:34PM	4:34PM				
Dry Bulb	52.8 °F	59.4 °F	63.8 °F	69.5 °F				35-120 F
Wet Bulb	49.5 °F	53.7 °F	58.0 °F	61.5 °F				
Depression	3.3 °F	5.7 °F	5.8 °F	8.0 °F				
Relative Humidity	78.8%	68.5%	70.2%	62.9%				85%
Dew Point	46.4 °F	49.0 °F	53.9 °F	56.3 °F				
Steel temp	51.4 °F	57.9 °F	62.6 °F	68.3 °F				35-120 F
Difference	5.0 °F	8.8 °F	8.6 °F	12.0 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

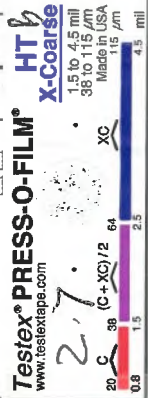
Environmental Controls? CONTAINMENT AND DUST COLLECTORS, HEATERS
Work area illumination value: >50 FC

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

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

SURFACE PREPARATION

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

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

QC Inspector Signature: _____ Date: 1/4/2024
QC Supervisor Signature: _____ Date: 1-5-24

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 6 AREA D ABRASSIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Tuesday, January 9, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	7:45AM	10:45AM	12:45PM	4:45PM				
Dry Bulb	48.5 °F	51.9 °F	56.3 °F	59.3 °F				35-120 F
Wet Bulb	44.4 °F	47.0 °F	50.5 °F	52.7 °F				
Depression	4.1 °F	4.9 °F	5.8 °F	6.6 °F				
Relative Humidity	71.2%	68.3%	65.6%	63.0%				85%
Dew Point	39.7 °F	41.8 °F	44.9 °F	46.7 °F				
Steel temp	47.4 °F	51.0 °F	54.6 °F	57.7 °F				35-120 F
Difference	7.7 °F	9.2 °F	9.6 °F	11.0 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

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

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

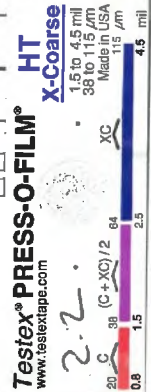
Compressed Air Tested? YES ☒ NO ☐

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: 2.2 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 ☐

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: Day #1 blasting, 16 blasters.

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

QC Inspector Signature: _____

Date: 1/9/2024

QC Supervisor Signature: _____

Date: 1-10-24

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

The results relate only to items inspected/tested

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



Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA D ABRASSIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Wednesday, January 10, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	6:45AM	10:45AM	12:45PM	3:45PM					Specified Conditions
Dry Bulb	44.6 °F	47.2 °F	56.3 °F	57.9 °F					35-120 F
Wet Bulb	40.8 °F	44.0 °F	50.5 °F	51.5 °F					
Depression	3.8 °F	3.2 °F	5.8 °F	6.4 °F					
Relative Humidity	70.8%	77.2%	65.6%	62.9%					85%
Dew Point	35.7 °F	40.4 °F	44.9 °F	45.4 °F					
Steel temp	42.6 °F	45.9 °F	54.6 °F	55.9 °F					35-120 F
Difference	6.9 °F	5.5 °F	9.6 °F	10.5 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, HEATERS, B.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 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: 3.5 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: Day #2 blasting, 16 blasters.

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

QC Inspector Signature: _____

Date: 1/10/2024

QC Supervisor Signature: _____

Date: 1-11-24

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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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 6 AREA D ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Tuesday, January 16, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	6:45AM	9:45AM	12:45PM	3:45PM	Specified Conditions
Dry Bulb	46.8 °F	47.5 °F	53.3 °F	57.3 °F	35-120 F
Wet Bulb	43.2 °F	44.2 °F	49.2 °F	52.4 °F	
Depression	3.6 °F	3.3 °F	4.1 °F	4.9 °F	
Relative Humidity	74.1%	76.4%	74.5%	72.0%	85%
Dew Point	39.0 °F	40.4 °F	45.4 °F	48.3 °F	
Steel temp	45.2 °F	45.7 °F	51.4 °F	56.1 °F	35-120 F
Difference	6.2 °F	5.3 °F	6.0 °F	7.8 °F	+5 F
Conditions	SAT	SAT	SAT	SAT	

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

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

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

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER
Satisfactory Pre-cleaning Completed: YES ☒ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☒ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☒ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☒ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐
Vial test performed on this batch of abrasive? YES ☒ NO ☐
Profile specified: 2 mils Actual Profile: 3.2 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 ☐
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: Day #3 blasting, 16 blasters.

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

QC Inspector Signature: _____

Date: 1/16/2024

QC Supervisor Signature: _____

Date: 1-17-24

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 6 AREA D ABRASSIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Wednesday, January 17, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	5:45AM	9:45AM	12:45PM	4:45PM				
Dry Bulb	45.8 °F	47.3 °F	56.3 °F	59.3 °F				35-120 F
Wet Bulb	41.7 °F	43.6 °F	50.5 °F	52.7 °F				
Depression	4.1 °F	3.7 °F	5.8 °F	6.5 °F				
Relative Humidity	69.8%	73.2%	65.6%	63.0%				85%
Dew Point	36.5 °F	39.2 °F	44.9 °F	46.7 °F				
Steel temp	43.9 °F	45.9 °F	54.6 °F	57.7 °F				35-120 F
Difference	7.4 °F	6.7 °F	9.6 °F	11.0 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

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

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

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET 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 mils



PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE

FINISH

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: Day #4 blasting, 16 blasters.

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

QC Inspector Signature: _____

Date: 1/17/2024

QC Supervisor Signature: _____

Date: 1-19-24

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

The results relate only to items inspected/tested

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



Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA D ABRASSIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Tuesday, January 23, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	12:45pm	1:45pm	2:45pm	3:45pm					Specified Conditions
Dry Bulb	56.2 °F	56.7 °F	59.2 °F	57.0 °F					35-120 F
Wet Bulb	52.6 °F	53.1 °F	54.5 °F	52.8 °F					
Depression	3.6 °F	3.6 °F	4.7 °F	4.2 °F					
Relative Humidity	78.6%	79.0%	73.5%	75.4%					85%
Dew Point	49.7 °F	50.1 °F	50.7 °F	49.3 °F					
Steel temp	54.8 °F	55.1 °F	57.8 °F	55.7 °F					35-120 F
Difference	5.1 °F	5.0 °F	7.0 °F	6.4 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

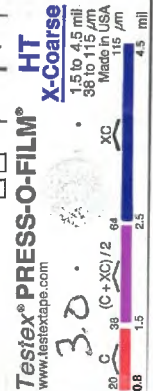
Environmental Controls? CONTAINMENT, HEATERS, D.H. AND DUST COLLECTORS.
Work area illumination value: >50 FC

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

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

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER
Satisfactory Pre-cleaning Completed: YES ☒ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☒ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET 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 mils



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

INTERMEDIATE ☐

FINISH ☐

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

Notes: Day #5 blasting, 16 blasters. BLASTING STARTED @ 12:35 PM

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

QC Inspector Signature: _____

Date: 1/23/2024

QC Supervisor Signature: _____

Date: 1-24-24

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 6 AREA D ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER II
Date Worked: Thursday, January 25, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	6:45AM	10:45AM	12:45PM	4:45PM				
Dry Bulb	55.0 °F	54.7 °F	56.2 °F	56.9 °F				35-120 F
Wet Bulb	51.2 °F	51.0 °F	56.2 °F	56.9 °F				
Depression	3.8 °F	3.7 °F	3.6 °F	3.8 °F				
Relative Humidity	76.5%	77.2%	78.6%	77.5%				85%
Dew Point	47.8 °F	47.7 °F	49.7 °F	49.9 °F				
Steel temp	53.7 °F	53.2 °F	54.8 °F	55.4 °F				35-120 F
Difference	5.9 °F	5.5 °F	5.1 °F	5.5 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

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

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

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

Pressure Washing: N/A PSI

Comments: N/A

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

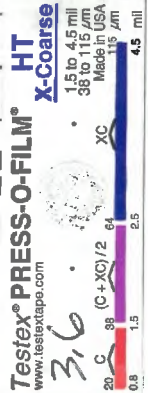
Compressed Air Tested? YES ☒ NO ☐

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: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: Day #6 blasting, 16 blasters.

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

QC Inspector Signature: _____

Date: 1/25/2024

QC Supervisor Signature: _____

Date: 1-26-24

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

The results relate only to items inspected/tested

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

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



Client Representative: MCCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA D ABRASIVE BLASTING

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

Environmental Conditions:								Specified Conditions
Time	6:45AM	10:45AM	12:45PM	4:45PM				35-120 F
Dry Bulb	57.4 °F	59.0 °F	60.5 °F	61.9 °F				
Wet Bulb	53.8 °F	54.7 °F	55.9 °F	56.4 °F				
Depression	3.6 °F	4.3 °F	4.6 °F	5.5 °F				
Relative Humidity	79.0%	75.8%	74.6%	70.7%				85%
Dew Point	50.9 °F	51.4 °F	52.4 °F	52.3 °F				
Steel temp	56.4 °F	57.5 °F	59.4 °F	60.4 °F				35-120 F
Difference	5.5 °F	6.1 °F	7.0 °F	8.1 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

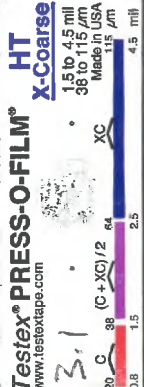
Size GX2 (attach pictures of blatter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.1 mils



PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

Part A Batch #'s: _____ Part 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: _____

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 _____

Notes: Day #7 blasting, 16 blasters.

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

QC Inspector Signature: _____ Date: 1/26/2024

QC Supervisor Signature: _____ Date: 1-29-24

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 6 AREA D ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Thursday, February 8, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	12:26PM	1:26PM	3:26PM	5:26PM				
Dry Bulb	62.5 °F	52.4 °F	54.9 °F	55.7 °F				35-120 F
Wet Bulb	53.5 °F	47.5 °F	49.5 °F	49.2 °F				
Depression	9.0 °F	4.9 °F	5.4 °F	6.5 °F				
Relative Humidity	52.2%	68.6%	66.7%	61.0%				85%
Dew Point	44.8 °F	42.4 °F	44.1 °F	42.5 °F				
Steel temp	52.7 °F	51.0 °F	53.7 °F	54.0 °F				35-120 F
Difference	8.0 °F	8.6 °F	9.7 °F	11.5 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 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 ☐

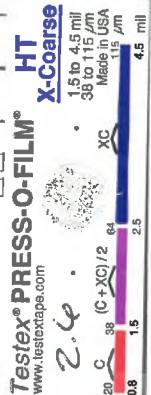
Pressure Washing: N/A PSI

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: _____ 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: BLASTING STARTED @12:43PM

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

QC Inspector Signature: _____

Date: 2/8/2024

QC Supervisor Signature: _____

Date: 2-26-24

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

The results relate only to items inspected/tested

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

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



Client Representative: **McCARTHY**
Certified Supervisor: **NICK RODRIGUEZ-ISRAEL VILLALOBOS**
Work Location: **MOFFETT FIELD CA.**
Owner: **GOOGLE**
Task: **ZONE 6 AREA D ABRASIVE BLASTING**

Project: **HANGAR 1**
Inspector: **TJ GARDNER**
Date Worked: **Friday, February 9, 2024**
Address: **FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305**

Environmental Conditions:								Specified Conditions
Time	6:26AM	11:26AM	1:26PM	5:26PM				
Dry Bulb	45.4 °F	49.4 °F	54.7 °F	62.6 °F				35-120 F
Wet Bulb	42.4 °F	46.1 °F	48.1 °F	53.7 °F				
Depression	3.0 °F	3.3 °F	6.6 °F	8.9 °F				
Relative Humidity	77.8%	77.9%	59.3%	52.9%				85%
Dew Point	38.9 °F	42.8 °F	40.8 °F	45.2 °F				
Steel temp	43.9 °F	47.9 °F	53.8 °F	62.2 °F				35-120 F
Difference	5.0 °F	5.1 °F	13.0 °F	17.0 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: **2 mils** Actual Profile: **3.3 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: **BLASTING STARTED @6:13AM, 16 BLASTERS.**

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

QC Inspector Signature: _____ Date: **2/9/2024**

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

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

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

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



Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 6 AREA D ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Friday, February 9, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	6:26AM	9:26AM	12:26PM	2:26PM				
Dry Bulb	48.9 °F	50.6 °F	56.4 °F	64.6 °F				35-120 F
Wet Bulb	44.9 °F	45.8 °F	47.9 °F	53.2 °F				
Depression	4.0 °F	4.8 °F	8.5 °F	11.4 °F				
Relative Humidity	72.6%	68.2%	48.6%	41.4%				85%
Dew Point	40.5 °F	40.5 °F	37.3 °F	40.6 °F				
Steel temp	47.3 °F	48.9 °F	55.3 °F	64.8 °F				35-120 F
Difference	6.8 °F	8.4 °F	18.0 °F	24.2 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

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

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

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

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

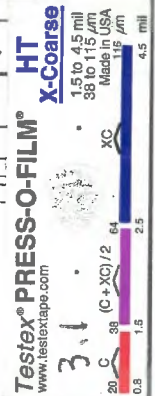
Size GX2 (attach pictures of blotter - note date & time)

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.1 mils



PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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: 3RD DAY BACK TO BLASTING AFTER WIND EVENT. BLASTING STARTED @6:46AM.
DAY #10 BLASTING ZONE 6 AREA D. END BLASTING AT 2:05 PM

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

QC Inspector Signature: _____ Date: 2/10/2024
QC Supervisor Signature: _____ Date: 2-26-24
Form No. QC0005 Revision: 2 Rev Date 23-Sep-22 The results relate only to items inspected/tested
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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 6

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
ARCH-C12E-EXT-1 TO 2-231109-WF	11/09/2023	A/B	27	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C12E-EXT-1 TO 2-231109-DUP-WF [b]	11/09/2023	A/B	25	--	--	--	--	--	--	--	--	--
ARCH-C13E-EXT-1 TO 2-231109-WF	11/09/2023	A/B	69	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-LA	11/09/2023	A/B	74	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-DUP-LA	11/09/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-LA	11/09/2023	A/B	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C13E-DG-2 TO 2.5-231109-FB [b]	11/09/2023	A/B	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C13E-DG-2 TO 2.5-231109-DUP-FB	11/09/2023	A/B	140	--	--	--	--	--	--	--	--	--
ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-LA	11/09/2023	A/B	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C12E-DG-2.5 TO 3-231109-FB	11/09/2023	A/B	72	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C13E-PS-2.5-231109-G	11/09/2023	A/B	53	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-LA	11/09/2023	A/B	200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C13E-INT-2.5 TO 3.5-231109-WF	11/09/2023	A/B	23	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C12E-PS-3.5-231109-G	11/09/2023	A/B	31	--	--	--	--	--	--	--	--	--
ARCH-C11E-DG-4 TO 4.5-UP-C11.5-DG-231109-LA	11/09/2023	A/B	140	--	--	--	--	--	--	--	--	--
ARCH-C12E-DG-4 TO 4.5-UP-C12.4-DG-231109-LA	11/09/2023	A/B	240	--	--	--	--	--	--	--	--	--
ARCH-C13E-DG-4 TO 4.5-231109-FB	11/09/2023	A/B	170	--	--	--	--	--	--	--	--	--
ARCH-C12E-INT-3.5 TO 4.5-231109-WF [b]	11/09/2023	A/B	150	--	--	--	--	--	--	--	--	--
ARCH-C12E-INT-3.5 TO 4.5-231109-DUP-WF	11/09/2023	A/B	190	--	--	--	--	--	--	--	--	--
ARCH-C12E-PS-4.5-231109-G	11/09/2023	A/B	92	--	--	--	--	--	--	--	--	--
ARCH-C13E-PS-4.5-231109-G	11/09/2023	A/B	160	--	--	--	--	--	--	--	--	--
ARCH-C12E-DG-5 TO 5.5-UP-C12.6-VS-231109-LA	11/09/2023	A/B	80	--	--	--	--	--	--	--	--	--
ARCH-C13E-INT-4.5 TO 5.5-231109-WF	11/09/2023	A/B	140	--	--	--	--	--	--	--	--	--
ARCH-C11E-DG-5 TO 5.5-UP-C11.6-DG-231207-LA	12/07/2023	A/B	21	--	--	--	--	--	--	--	--	--
ARCH-C12E-DG-5 TO 5.5-231207-FB	12/07/2023	A/B	14	--	--	--	--	--	--	--	--	--
ARCH-C12E-PS-5.5-231207-G	12/07/2023	A/B	45	--	--	--	--	--	--	--	--	--
ARCH-C13E-PS-5.5-231207-G	12/07/2023	A/B	70	--	--	--	--	--	--	--	--	--
ARCH-C12E-DG-5.5 TO 6-DN-C12E-DG-231207-LA	12/07/2023	A/B	7.9	--	--	--	--	--	--	--	--	--
ARCH-C13E-DG-5.5 TO 6-231207-FB [b]	12/07/2023	A/B	5.9	--	--	--	--	--	--	--	--	--
ARCH-C13E-DG-5.5 TO 6-231207-DUP-FB	12/07/2023	A/B	8.1	--	--	--	--	--	--	--	--	--
ARCH-C11E-DG-6 TO 6.5-UP-C11.4-HM-231207-LA	12/07/2023	A/B	12	--	--	--	--	--	--	--	--	--
ARCH-C12E-EXT-6 TO 7-231207-WF	12/07/2023	A/B	7.0	--	--	--	--	--	--	--	--	--
ARCH-C12E-DG-6 TO 6.5-231207-FB	12/07/2023	A/B	2.8	--	--	--	--	--	--	--	--	--
ARCH-C12E-DG-6 TO 6.5-DN-C12.3-VS-231207-LA	12/07/2023	A/B	33	--	--	--	--	--	--	--	--	--
ARCH-C11E-DG-6.5 TO 7-DN-C11.3-DG-231207-LA	12/07/2023	A/B	68	--	--	--	--	--	--	--	--	--
ARCH-C12E-PS-6.5-231207-G	12/07/2023	A/B	14	--	--	--	--	--	--	--	--	--
ARCH-C13E-PS-6.5-231207-G	12/07/2023	A/B	8.9	--	--	--	--	--	--	--	--	--
ARCH-C11E-DG-7 TO 7.5-UP-C11.2-VS-231207-LA	12/07/2023	A/B	70	--	--	--	--	--	--	--	--	--
ARCH-C13E-DG-7 TO 7.5-231207-FB	12/07/2023	A/B	59	--	--	--	--	--	--	--	--	--
ARCH-C12E-DG-7 TO 7.5-231207-FB	12/07/2023	A/B	96	--	--	--	--	--	--	--	--	--
ARCH-C12E-DG-7 TO 7.5-DN-C12.4-DG-231207-LA	12/07/2023	A/B	50	--	--	--	--	--	--	--	--	--
ARCH-C11E-DG-8 TO 9-UP-C11E-DG-231207-LA	12/07/2023	A/B	27	--	--	--	--	--	--	--	--	--
ARCH-C13E-EXT-8 TO 9-231207-WF	12/07/2023	A/B	65	--	--	--	--	--	--	--	--	--
ARCH-C12E-INT-7.5 TO 9-231207-WF	12/07/2023	A/B	26	--	--	--	--	--	--	--	--	--
ARCH-C12W-EXT-1 TO 2-240118-WF	01/18/2024	C/D	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C12W-EXT-1 TO 2-240118-DUP-WF [b]	01/18/2024	C/D	14	--	--	--	--	--	--	--	--	--
ARCH-C13W-EXT-1 TO 2-240118-WF	01/18/2024	C/D	4.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-LA	01/18/2024	C/D	60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-DUP-LA	01/18/2024	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-LA	01/18/2024	C/D	77	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-LA	01/18/2024	C/D	38	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C13W-DG-2 TO 2.5-240118-FB	01/18/2024	C/D	24	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C13W-DG-2 TO 2.5-240118-DUP-FB [b]	01/18/2024	C/D	9.0	--	--	--	--	--	--	--	--	--
ARCH-C12W-DG-2.5 TO 3-240118-FB	01/18/2024	C/D	20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C13W-PS-2.5-240118-G	01/18/2024	C/D	50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-LA	01/18/2024	C/D	21	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C13W-INT-2.5 TO 3.5-240118-WF	01/18/2024	C/D	43	<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 6

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
ARCH-C11W-DG-3 TO 3.5-DN-C11.4-VS-240118-LA	01/18/2024	C/D	70	--	--	--	--	--	--	--	--	--
ARCH-C12W-PS-3.5-240118-G	01/18/2024	C/D	22	--	--	--	--	--	--	--	--	--
ARCH-C12W-DG-4 TO 4.5-UP-C12.4-DG-240118-LA	01/18/2024	C/D	21	--	--	--	--	--	--	--	--	--
ARCH-C13W-DG-4 TO 4.5-240118-FB	01/18/2024	C/D	18	--	--	--	--	--	--	--	--	--
ARCH-C12W-INT-3.5 TO 4.5-240118-WF	01/18/2024	C/D	110	--	--	--	--	--	--	--	--	--
ARCH-C12W-INT-3.5 TO 4.5-240118-DUP-WF [b]	01/18/2024	C/D	74	--	--	--	--	--	--	--	--	--
ARCH-C12W-PS-4.5-240118-G	01/18/2024	C/D	35	--	--	--	--	--	--	--	--	--
ARCH-C13W-PS-4.5-240118-G	01/18/2024	C/D	9.5	--	--	--	--	--	--	--	--	--
ARCH-C12W-DG-5 TO 5.5-UP-C12.6-VS-240118-LA	01/18/2024	C/D	68	--	--	--	--	--	--	--	--	--
ARCH-C13W-INT-4.5 TO 5.5-240118-WF	01/18/2024	C/D	5.9	--	--	--	--	--	--	--	--	--
ARCH-C11W-DG-5 TO 5.5-UP-C11.6-DG-240118-LA	01/18/2024	C/D	16	--	--	--	--	--	--	--	--	--
ARCH-C12W-DG-5 TO 5.5-240118-FB	01/18/2024	C/D	11	--	--	--	--	--	--	--	--	--
ARCH-C12W-PS-5.5-240214-G	02/14/2024	C/D	280	--	--	--	--	--	--	--	--	--
ARCH-C13W-PS-5.5-240214-G	02/14/2024	C/D	380	--	--	--	--	--	--	--	--	--
ARCH-C11W-DG-6 TO 6.5-UP-C11.4-HS-240214-LA	02/14/2024	C/D	72	--	--	--	--	--	--	--	--	--
ARCH-C12W-DG-6 TO 6.5-240214-FB	02/14/2024	C/D	120	--	--	--	--	--	--	--	--	--
ARCH-C12W-DG-6 TO 6.5-DN-C12.3-VS-240214-LA	02/14/2024	C/D	100	--	--	--	--	--	--	--	--	--
ARCH-C12W-PS-6.5-240214-G	02/14/2024	C/D	270	--	--	--	--	--	--	--	--	--
ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240214-LA	02/14/2024	C/D	130	--	--	--	--	--	--	--	--	--
ARCH-C12W-INT-7 TO 7.5-240214-WF	02/14/2024	C/D	15	--	--	--	--	--	--	--	--	--
ARCH-C11W-DG-8 TO 9-UP-C11.1-VS-240214-LA	02/14/2024	C/D	73	--	--	--	--	--	--	--	--	--
ARCH-C13W-EXT-8 TO 9-240214-WF	02/14/2024	C/D	30	--	--	--	--	--	--	--	--	--
ARCH-C12W-INT-7.5 TO 9-240214-WF	02/14/2024	C/D	230	--	--	--	--	--	--	--	--	--
ARCH-C12W-DG-7 TO 7.5-UP-C12.2-DG-240214-LA	02/14/2024	C/D	110	--	--	--	--	--	--	--	--	--
ARCH-C13W-DG-5.5 TO 6-240215-FB [b]	02/15/2024	C/D	11	--	--	--	--	--	--	--	--	--
ARCH-C13W-DG-5.5 TO 6-240215-DUP-FB	02/15/2024	C/D	13	--	--	--	--	--	--	--	--	--
ARCH-C12W-EXT-6 TO 7-240215-WF	02/15/2024	C/D	130	--	--	--	--	--	--	--	--	--
ARCH-C13W-DG-7 TO 7.5-240215-FB	02/15/2024	C/D	26	--	--	--	--	--	--	--	--	--
95-Percent UCL (Low Occupancy) [c]			90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
231109-FIELDBLANK1-LO	11/09/2023	A/B	0.96	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
231109-MEDBLANK1-LO	11/09/2023	A/B	<0.50	--	--	--	--	--	--	--	--	--
231207-FIELDBLANK2-LO	12/07/2023	A/B	<0.50	--	--	--	--	--	--	--	--	--
231207-MEDBLANK2-LO	12/07/2023	A/B	<0.50	--	--	--	--	--	--	--	--	--
240118-FIELDBLANK1-LO	01/18/2024	C/D	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
240118-MEDBLANK1-LO	01/18/2024	C/D	<0.50	--	--	--	--	--	--	--	--	--
240214-FIELDBLANK2-LO	02/14/2024	C/D	<0.50	--	--	--	--	--	--	--	--	--
240214-MEDBLANK2-LO	02/14/2024	C/D	<0.50	--	--	--	--	--	--	--	--	--

Acronyms and Abbreviations

NTCRA: Non-Time Critical Removal Action

PCBs: Polychlorinated biphenyls

µg/100 cm²: micrograms per 100 square centimeters

µg/ft²: micrograms per square foot

UCL: Upper Confidence Limit

UFP-QAPP: Uniform Federal Policy Quality Assurance Project Plan

U.S. EPA: United States Environmental Protection Agency

--: Not collected/not applicable

Notes:

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

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

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

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

Bolded values indicate constituents detected above laboratory reporting limits.

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

Attachment 3

Confirmation Sampling Analytical Reports



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

enthalpy.com

Lab Job Number: 495712
Report Level: II
Report Date: 11/17/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

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

Lab Job #: 495712
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 11/09/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C12E-PS-3.5-231109-L-G	495712-001	11/09/23 09:20	Wipe
ARCH-C11E-DG-4 TO 4.5-UP-C11.5-DG-231109-L-LA	495712-002	11/09/23 09:30	Wipe
ARCH-C12E-DG-4 TO 4.5-UP-C12.4-DG-231109-L-LA	495712-003	11/09/23 09:35	Wipe
ARCH-C13E-DG-4 TO 4.5-231109-L-FB	495712-004	11/09/23 09:45	Wipe
ARCH-C12E-INT-3.5 TO 4.5-231109-L-WF	495712-005	11/09/23 09:55	Wipe
ARCH-C12E-INT-3.5 TO 4.5-231109-L-DUP-WF	495712-006	11/09/23 09:55	Wipe
ARCH-C12E-PS-4.5-231109-L-G	495712-007	11/09/23 10:05	Wipe
ARCH-C13E-PS-4.5-231109-L-G	495712-008	11/09/23 10:15	Wipe
ARCH-C12E-DG-5 TO 5.5-UP-C12.6-VS-231109-L-LA	495712-009	11/09/23 10:25	Wipe
ARCH-C13E-INT-4.5 TO 5.5-231109-L-WF	495712-010	11/09/23 10:30	Wipe
231109-P-FIELDBLANK1-LO	495712-011	11/09/23 07:15	Wipe
231109-L-FIELDBLANK1-LO	495712-012	11/09/23 07:15	Wipe
231109-L-MEDBLANK1-LO	495712-013	11/09/23 11:25	Wipe

Case Narrative

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

Lab Job Number: 495712
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 11/09/23

This data package contains sample and QC results for thirteen wipe samples, requested for the above referenced project on 11/10/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

ea
ENTHALPY

5 of 13

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: 11/10/23	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>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: Southwest Airlines	

Section 3	
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other _____	
Cooler Temp (°C): #1: <u>4. C</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
495712

Section 6	
For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time: _____	
☐ Email (email sent to/on): _____ / _____	
Project Manager's response:	

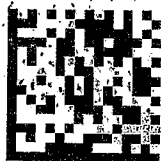
Completed By: [Signature] Date: **NOV 10 2023**

SOUTHWEST AIRLINES

Printed on:
09 NOV 19:37

526 OAK 9542 **7253** 

SNA				PC#
				7 OF
				11
				DG
				G
				LOT WT
				445 LB
				(201.8 KG)
OAK	WN 804	10 NOV	06:10	
STN	FLT	DATE	ETD	LOT 01



PC ID: 0007
PC WT: 40LB

526 95427253 0007

S

4.6 / 5.7

Enthalpy Analytical - Orange Analytical Report

Lab #: 495712

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: 231109-P-FIELDBLANK1-LO

Batch#: 326371

Prep: EPA 3546

Type: SAMPLE

Sampled: 11/09/23

Analysis: EPA 8082

Lab ID: 495712-011

Received: 11/09/23

Analyst: MES

Matrix: Wipe

Prepared: 11/11/23

Diln Fac: 1.000

Analyzed: 11/11/23

495712-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
495712-011 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		70	19-121

Type: BLANK

Batch#: 326371

Analysis: EPA 8082

Lab ID: QC1106494

Prepared: 11/11/23

Analyst: MES

Matrix: Wipe

Analyzed: 11/11/23

Diln Fac: 1.000

Prep: EPA 3546

QC1106494 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
QC1106494 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		75	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 495712

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 326371

Analysis: EPA 8082

Lab ID: QC1106495

Prepared: 11/11/23

Analyst: TJW

Matrix: Wipe

Analyzed: 11/13/23

Diln Fac: 1.000

Prep: EPA 3546

QC1106495 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.395	88	60-140	ug/100 cm2
Aroclor-1260	5.000	4.638	93	60-140	ug/100 cm2
QC1106495 Surrogate				%REC	Limits
TCMX (PCB)				78	19-121
Decachlorobiphenyl (PCB)				80	19-121

Type: BSD

Batch#: 326371

Analysis: EPA 8082

Lab ID: QC1106496

Prepared: 11/11/23

Analyst: MES

Matrix: Wipe

Analyzed: 11/13/23

Diln Fac: 1.000

Prep: EPA 3546

QC1106496 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.271	85	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	4.549	91	60-140	ug/100 cm2	2	20
QC1106496 Surrogate				%REC	Limits		
TCMX (PCB)				76	19-121		
Decachlorobiphenyl (PCB)				77	19-121		

Legend

RPD: Relative Percent Difference

Lead

Lab #: 495712		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C12E-PS-3.5-231109-L-G	Batch#: 326324	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 11/09/23	Analysis: EPA 6010B	
Lab ID: 495712-001	Received: 11/09/23	Analyst: SBW	
Matrix: Wipe	Prepared: 11/10/23		
Diln Fac: 1.000	Analyzed: 11/10/23		
495712-001 Analyte		Result	RL Units
Lead		31	0.50 ug/ft2
Field ID: ARCH-C11E-DG-4 TO 4.5-UP-C11.5-DG-231109-L-LA		Batch#: 326324	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495712-002		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/10/23	
495712-002 Analyte		Result	RL Units
Lead		140	0.50 ug/ft2
Field ID: ARCH-C12E-DG-4 TO 4.5-UP-C12.4-DG-231109-L-LA		Batch#: 326324	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495712-003		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/10/23	
495712-003 Analyte		Result	RL Units
Lead		240	0.50 ug/ft2
Field ID: ARCH-C13E-DG-4 TO 4.5-231109-L-FB		Batch#: 326324	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495712-004		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/10/23	
495712-004 Analyte		Result	RL Units
Lead		170	0.50 ug/ft2
Field ID: ARCH-C12E-INT-3.5 TO 4.5-231109-L-WF		Batch#: 326324	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495712-005		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/10/23	
495712-005 Analyte		Result	RL Units
Lead		150	0.50 ug/ft2

Lead

Lab #: 495712		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C12E-INT-3.5 TO 4.5-231109-L-DUP-WF	Batch#: 326324	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 11/09/23	Analysis: EPA 6010B	
Lab ID: 495712-006	Received: 11/09/23	Analyst: SBW	
Matrix: Wipe	Prepared: 11/10/23		
Diln Fac: 1.000	Analyzed: 11/10/23		
495712-006 Analyte		Result	RL Units
Lead		190	0.50 ug/ft2
Field ID: ARCH-C12E-PS-4.5-231109-L-G		Batch#: 326324	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495712-007		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/10/23	
495712-007 Analyte		Result	RL Units
Lead		92	0.50 ug/ft2
Field ID: ARCH-C13E-PS-4.5-231109-L-G		Batch#: 326324	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495712-008		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/10/23	
495712-008 Analyte		Result	RL Units
Lead		160	0.50 ug/ft2
Field ID: ARCH-C12E-DG-5 TO 5.5-UP-C12.6-VS-231109-L-LA		Batch#: 326324	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495712-009		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/10/23	
495712-009 Analyte		Result	RL Units
Lead		80	0.50 ug/ft2
Field ID: ARCH-C13E-INT-4.5 TO 5.5-231109-L-WF		Batch#: 326324	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495712-010		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/10/23	
495712-010 Analyte		Result	RL Units
Lead		140	0.50 ug/ft2

Lead

Lab #: 495712		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: 231109-L-FIELDBLANK1-LO	Batch#: 326324	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 11/09/23	Analysis: EPA 6010B	
Lab ID: 495712-012	Received: 11/09/23	Analyst: SBW	
Matrix: Wipe	Prepared: 11/10/23		
Diln Fac: 1.000	Analyzed: 11/10/23		

495712-012 Analyte	Result	RL	Units
Lead	0.96	0.50	ug/ft2

Field ID: 231109-L-MEDBLANK1-LO	Batch#: 326324	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 11/09/23	Analysis: EPA 6010B	
Lab ID: 495712-013	Received: 11/09/23	Analyst: SBW	
Matrix: Wipe	Prepared: 11/10/23		
Diln Fac: 1.000	Analyzed: 11/10/23		

495712-013 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 326324	Analysis: EPA 6010B	
Lab ID: QC1106343	Prepared: 11/10/23	Analyst: SBW	
Matrix: Wipe	Analyzed: 11/10/23		
Diln Fac: 1.000	Prep: EPA 3050B		

QC1106343 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
 ND: Not Detected
 RL: Reporting Limit

Lead: Batch QC

Lab #: 495712

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 326324

Analysis: EPA 6010B

Lab ID: QC1106344

Prepared: 11/10/23

Analyst: SBW

Matrix: Wipe

Analyzed: 11/10/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1106344 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.56	103	80-120	ug/ft2

Type: BSD

Batch#: 326324

Analysis: EPA 6010B

Lab ID: QC1106345

Prepared: 11/10/23

Analyst: SBW

Matrix: Wipe

Analyzed: 11/10/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1106345 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.04	106	80-120	ug/ft2	3	20

Legend

RPD: Relative Percent Difference



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

enthalpy.com

Lab Job Number: 495753
Report Level: IV
Report Date: 11/17/2023

PCBs

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

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

Lab Job #: 495753
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 11/09/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C12E-EXT-1 TO 2-231109-P-WF	495753-001	11/09/23 07:30	Wipe
ARCH-C13E-EXT-1 TO 2-231109-P-WF	495753-004	11/09/23 07:20	Wipe
ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-LA	495753-006	11/09/23 07:40	Wipe
ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-DUP-LA	495753-007	11/09/23 07:40	Wipe
ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-P-LA	495753-009	11/09/23 07:55	Wipe
ARCH-C13E-DG-2 TO 2.5-231109-P-FB	495753-011	11/09/23 08:05	Wipe
ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-P-LA	495753-014	11/09/23 08:25	Wipe
ARCH-C12E-DG-2.5 TO 3-231109-P-FB	495753-016	11/09/23 08:30	Wipe
ARCH-C13E-PS-2.5-231109-P-G	495753-018	11/09/23 08:45	Wipe
ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-P-LA	495753-020	11/09/23 09:10	Wipe
ARCH-C13E-INT-2.5 TO 3.5-231109-P-WF	495753-022	11/09/23 08:55	Wipe

Case Narrative

PCBS (EPA 8082)

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

Lab Job Number: 495753
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 11/09/23

This data package contains sample and QC results for eleven wipe samples, requested for the above referenced project on 11/10/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

495753

Enthalpy Analytical - Orange		Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
Enthalpy Analytical - Orange		COC ID:		Standard:	
931 W. Barkley Avenue, Orange, CA 92668		1 of 2		X (PCBs)	
Phone 714-771-6900		Page:		3 Day: custom TAT	
Matrix: A = Air S = Soil/Solid		2 Day:		1 Day: X (PB)	
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		Report: Level IV		Sample Receipt Temp:	
4 = H ₂ SO ₄ 5 = NaOH 6 = Other		Test Instructions / Comments		(lab use only)	
PROJECT INFORMATION		Analysis Request		Confirmation Wipe Samples - Level IV	
Quote #:	RIN031721	Lead by EPA Method 3050M/6010B		Report/Stage 3 Validation	
Proj. Name:	Hanger 1 - NCTRA WP	PCBs - EPA Method 3546/8082		Report PCB concentrations on a µg/100cm ² basis	
Proj. #:	20-10491	HOLD		Report lead concentrations on a µg/t ₂ 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 6 Enclosure A/B (Low Occupancy)	
Global ID:					
Sampled By:	M. Kim				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 ARCH-C12E-EXT-1 TO 2-231109-P-WF	11/9/2023	0730	WP	1	-
2 ARCH-C12E-EXT-1 TO 2-231109-L-WF	11/9/2023	0730	WP	1	-
3 ARCH-C12E-EXT-1 TO 2-231109-L-DUP-WF	11/9/2023	0730	WP	1	-
4 ARCH-C13E-EXT-1 TO 2-231109-P-WF	11/9/2023	0720	WP	1	-
5 ARCH-C13E-EXT-1 TO 2-231109-L-WF	11/9/2023	0720	WP	1	-
6 ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-LA	11/9/2023	0740	WP	1	-
7 ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-DUP-LA	11/9/2023	0740	WP	1	-
8 ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-L-LA	11/9/2023	0740	WP	1	-
9 ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-P-LA	11/9/2023	0755	WP	1	-
10 ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-L-LA	11/9/2023	0755	WP	1	-
11 ARCH-C13E-DG-2 TO 2.5-231109-P-FB	11/9/2023	0805	WP	1	-
12 ARCH-C13E-DG-2 TO 2.5-231109-L-FB	11/9/2023	0805	WP	1	-
13 ARCH-C13E-DG-2 TO 2.5-231109-L-DUP-FB	11/9/2023	0805	WP	1	-
14 ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-P-LA	11/9/2023	0825	WP	1	-
15 ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-L-LA	11/9/2023	0825	WP	1	-
Signature		Print Name		Company / Title	
1 Relinquished By:	<i>[Signature]</i>	Michaela Kim		Rincon Consultants	
1 Received By:	<i>[Signature]</i>	Audrey Hudson		ENTHALPY	
2 Relinquished By:	<i>[Signature]</i>	Audrey Hudson		"	
2 Received By:	<i>[Signature]</i>	MacNeill		PA	
3 Relinquished By:	<i>[Signature]</i>	MacNeill		PA	
3 Received By:	<i>[Signature]</i>	MacNeill		PA	

1x Rinset Type 2 = 9-27-23 on 2

Date / Time

11/9/23 @ 14:45

11/9/23 @ 14:45

11/9/23 @ 16:24

11/9/23 @ 16:24

11/9/23 @ 17:26

11/9/23 @ 18:58

495753

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID:		Standard:	5 Day:	1 Day:	3 Day:
Page: 2 of 2		X (PCBs)		X (PB)	custom TAT:
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 IV (lab use only)			
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721	Test Instructions / Comments	
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP	Confirmation Wipe Samples - Level IV	
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491	Report/Stage 3 Validation	
Address:	449 15th Street, Suite 303	P.O. #:		Report PCB concentrations on a µg/100cm2 basis	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA	Report lead concentrations on a µg/l12 basis	
Phone:	(651) 890-9556	Global ID:		Report Aroclor 1268 concentrations in addition to the standard Aroclors	
Fax:		Sampled By:	M. Kim	Wipe samples collected from Zone 6 Enclosure A/B (Low Occupancy)	
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
16 ARCH-C12E-DG-2.5 TO 3-231109-P-FB	11/9/2023	0830	WP	1	-
17 ARCH-C12E-DG-2.5 TO 3-231109-L-FB	11/9/2023	0850	WP	1	-
18 ARCH-C13E-PS-2.5-231109-P-G	11/9/2023	0845	WP	1	-
19 ARCH-C13E-PS-2.5-231109-L-G	11/9/2023	0845	WP	1	-
20 ARCH-C12E-DG-3 TO 3.5-UP-231109-P-LA	11/9/2023	0910	WP	1	-
21 ARCH-C12E-DG-3 TO 3.5-UP-231109-L-LA	11/9/2023	0910	WP	1	-
22 ARCH-C13E-INT-2.5 TO 3.5-231109-P-WF	11/9/2023	0855	WP	1	-
23 ARCH-C13E-INT-2.5 TO 3.5-231109-L-WF	11/9/2023	0855	WP	1	-
24					
25					
26					
27					
28					
29					
30					

Signature	Print Name	Company / Title	Date / Time
	Michaela Kim	Rincon Env Scientist	11/9/23 @ 14:45
	Lindsay Parker	ENTHALPY	11/9/23 @ 14:45
	Lindsay Parker	"	11/9/23 @ 16:24
	Lindsay Parker	"	11/9/23 @ 16:24
	Lindsay Parker	"	11/9/23 @ 16:24
	Lindsay Parker	"	11/9/23 @ 16:24

ea
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 6/9/23 By (print) any (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

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 6/19/03 By (print) am (sign) [Signature]

Date Labeled 4/7/20 By (print) NY (sign) [Signature]

ENTHALPY ANALYTICAL **SAMPLE ACCEPTANCE CHECKLIST**

Section 1	
Client: Rincon Consultants	Project: Hangar 1 NTCRA
Date Received: 11/10/23	Sampler's Name Present: ☒ Yes ☐ No

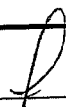
Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? <u>1</u> ☐ No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: <u>5.7</u> #2: _____ #3: _____ #4: _____	
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 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: Southwest Airlines	

Section 3	
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other _____	
Cooler Temp (°C): #1: <u>4.6</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
495753

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: **NOV 10 2023**

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc.
 931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal
 Sample Acceptance Checklist - Rev 4, 8/8/2017

SOUTHWEST AIRLINES

Printed on:
09 NOV 19:37

526 OAK 9542 7253



SNA

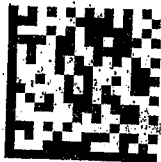
PC#
7 OF

11
DG
G

LOT WT
445 LB
(201.8 KG)

OAK WN 804 10 NOV 06:10

STN FLT DATE ETD LOT 01



PC ID: 0007
PC WT: 40LB

526 95427253 0007

S

4.0/5.7

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 495753	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C12E-EXT-1 TO 2-231109-P-WF	Batch#: 326371	Prep: EPA 3546
Type: SAMPLE	Sampled: 11/09/23	Analysis: EPA 8082
Lab ID: 495753-001	Received: 11/09/23	Analyst: MES
Matrix: Wipe	Prepared: 11/11/23	
Diln Fac: 1.000	Analyzed: 11/11/23	

495753-001 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
495753-001 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		62	19-121

Field ID: ARCH-C13E-EXT-1 TO 2-231109-P-WF	Batch#: 326371	Prep: EPA 3546	
Type: SAMPLE	Sampled: 11/09/23	Analysis: EPA 8082	
Lab ID: 495753-004	Received: 11/09/23	Analyst: MES	
Matrix: Wipe	Prepared: 11/11/23		
Diln Fac: 1.000	Analyzed: 11/11/23		
495753-004 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
495753-004 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		59	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 495753

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-LA

Batch#: 326371

Prep: EPA 3546

Type: SAMPLE

Sampled: 11/09/23

Analysis: EPA 8082

Lab ID: 495753-006

Received: 11/09/23

Analyst: MES

Matrix: Wipe

Prepared: 11/11/23

Diln Fac: 1.000

Analyzed: 11/11/23

495753-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.46	ug/100 cm2
Aroclor-1221	ND	0.46	ug/100 cm2
Aroclor-1232	ND	0.46	ug/100 cm2
Aroclor-1242	ND	0.46	ug/100 cm2
Aroclor-1248	ND	0.46	ug/100 cm2
Aroclor-1254	ND	0.46	ug/100 cm2
Aroclor-1260	ND	0.46	ug/100 cm2
Aroclor-1262	ND	0.46	ug/100 cm2
Aroclor-1268	ND	0.46	ug/100 cm2
495753-006 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		56	19-121

Field ID: ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-DUP-LA

Batch#: 326371

Prep: EPA 3546

Type: SAMPLE

Sampled: 11/09/23

Analysis: EPA 8082

Lab ID: 495753-007

Received: 11/09/23

Analyst: MES

Matrix: Wipe

Prepared: 11/11/23

Diln Fac: 1.000

Analyzed: 11/11/23

495753-007 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
495753-007 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		63	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 495753

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-P-LA

Batch#: 326371

Prep: EPA 3546

Type: SAMPLE

Sampled: 11/09/23

Analysis: EPA 8082

Lab ID: 495753-009

Received: 11/09/23

Analyst: MES

Matrix: Wipe

Prepared: 11/11/23

Diln Fac: 1.000

Analyzed: 11/11/23

495753-009 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
495753-009 Surrogate		%REC	Limits
TCMX (PCB)		78	19-121
Decachlorobiphenyl (PCB)		59	19-121

Field ID: ARCH-C13E-DG-2 TO 2.5-231109-P-FB

Batch#: 326371

Prep: EPA 3546

Type: SAMPLE

Sampled: 11/09/23

Analysis: EPA 8082

Lab ID: 495753-011

Received: 11/09/23

Analyst: MES

Matrix: Wipe

Prepared: 11/11/23

Diln Fac: 1.000

Analyzed: 11/11/23

495753-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
495753-011 Surrogate		%REC	Limits
TCMX (PCB)		77	19-121
Decachlorobiphenyl (PCB)		70	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 495753

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-P-LA

Batch#: 326371

Prep: EPA 3546

Type: SAMPLE

Sampled: 11/09/23

Analysis: EPA 8082

Lab ID: 495753-014

Received: 11/09/23

Analyst: MES

Matrix: Wipe

Prepared: 11/11/23

Diln Fac: 1.000

Analyzed: 11/11/23

495753-014 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
495753-014 Surrogate		%REC	Limits
TCMX (PCB)		88	19-121
Decachlorobiphenyl (PCB)		73	19-121

Field ID: ARCH-C12E-DG-2.5 TO 3-231109-P-FB

Batch#: 326371

Prep: EPA 3546

Type: SAMPLE

Sampled: 11/09/23

Analysis: EPA 8082

Lab ID: 495753-016

Received: 11/09/23

Analyst: MES

Matrix: Wipe

Prepared: 11/11/23

Diln Fac: 1.000

Analyzed: 11/11/23

495753-016 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
495753-016 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		62	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 495753

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: ARCH-C13E-PS-2.5-231109-P-G

Type: SAMPLE

Lab ID: 495753-018

Matrix: Wipe

Diln Fac: 1.000

Batch#: 326371

Sampled: 11/09/23

Received: 11/09/23

Prepared: 11/11/23

Analyzed: 11/11/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

495753-018 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
495753-018 Surrogate		%REC	Limits
TCMX (PCB)		80	19-121
Decachlorobiphenyl (PCB)		70	19-121

Field ID: ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-P-LA

Type: SAMPLE

Lab ID: 495753-020

Matrix: Wipe

Diln Fac: 1.000

Batch#: 326371

Sampled: 11/09/23

Received: 11/09/23

Prepared: 11/11/23

Analyzed: 11/11/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

495753-020 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
495753-020 Surrogate		%REC	Limits
TCMX (PCB)		81	19-121
Decachlorobiphenyl (PCB)		68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 495753

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C13E-INT-2.5 TO 3.5-231109-P-WF

Batch#: 326371

Prep: EPA 3546

Type: SAMPLE

Sampled: 11/09/23

Analysis: EPA 8082

Lab ID: 495753-022

Received: 11/09/23

Analyst: MES

Matrix: Wipe

Prepared: 11/11/23

Diln Fac: 1.000

Analyzed: 11/11/23

495753-022 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
495753-022 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		68	19-121

Type: BLANK

Batch#: 326371

Analysis: EPA 8082

Lab ID: QC1106494

Prepared: 11/11/23

Analyst: MES

Matrix: Wipe

Analyzed: 11/11/23

Diln Fac: 1.000

Prep: EPA 3546

QC1106494 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
QC1106494 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		75	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 495753

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 326371

Analysis: EPA 8082

Lab ID: QC1106495

Prepared: 11/11/23

Analyst: TJW

Matrix: Wipe

Analyzed: 11/13/23

Diln Fac: 1.000

Prep: EPA 3546

QC1106495 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.395	88	60-140	ug/100 cm2
Aroclor-1260	5.000	4.638	93	60-140	ug/100 cm2
QC1106495 Surrogate			%REC	Limits	
TCMX (PCB)			78	19-121	
Decachlorobiphenyl (PCB)			80	19-121	

Type: BSD

Batch#: 326371

Analysis: EPA 8082

Lab ID: QC1106496

Prepared: 11/11/23

Analyst: MES

Matrix: Wipe

Analyzed: 11/13/23

Diln Fac: 1.000

Prep: EPA 3546

QC1106496 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.271	85	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	4.549	91	60-140	ug/100 cm2	2	20
QC1106496 Surrogate			%REC	Limits			
TCMX (PCB)			76	19-121			
Decachlorobiphenyl (PCB)			77	19-121			

Legend

RPD: Relative Percent Difference

Instrument: SVOA-GC06
Calibration #: 453416704002
Units: ug/L

Name: PCB_101623_1
Date: 16-OCT-2023 14:04
X Axis: R

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

Instrument: SVOA-GC06
 Calibration #: 453416704002
 Units: ug/L

Name: PCB_101623_1
 Date: 16-OCT-2023 14:04
 X Axis: R

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

Instrument amount = a0 + (response × a1) + (response² × a2)

AVRG: Average response factor

Instrument: SVOA-GC06
 Calibration #: 453416704002
 Units: ug/L

Name: PCB_101623_1
 Date: 16-OCT-2023 14:04
 X Axis: R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0286	0.0258	0.0232	0.0226	0.0210	0.0201	0.0190	0.0177	0.0174
Aroclor-1016 Peak # 2	A	0.0596	0.0507	0.0472	0.0431	0.0397	0.0374	0.0365	0.0343	
Aroclor-1016 Peak # 3	A		0.0706	0.0593	0.0559	0.0516	0.0459	0.0470	0.0461	0.0455
Aroclor-1016 Peak # 4	A	0.0475	0.0409	0.0382	0.0348	0.0321	0.0352	0.0297	0.0280	0.0277
Aroclor-1016 Peak # 5	A	0.0435	0.0376	0.0351	0.0319	0.0295	0.0256	0.0275	0.0261	0.0258
Aroclor-1260 Peak # 1	A		0.0718	0.0662	0.0628	0.0566	0.0518	0.0536		
Aroclor-1260 Peak # 2	A	0.1225	0.1096	0.1017	0.0938	0.0857	0.0802	0.0818	0.0785	
Aroclor-1260 Peak # 3	A	0.1354	0.1126	0.1053	0.0967	0.0883	0.0845	0.0854	0.0833	
Aroclor-1260 Peak # 4	A		0.0627	0.0596	0.0552	0.0501	0.0458	0.0483	0.0471	0.0472
Aroclor-1260 Peak # 5	A	0.0870	0.0754	0.0745	0.0647	0.0583	0.0599	0.0577	0.0592	0.0605
Decachlorobiphenyl (PCB)	A		1.5108	1.2989	1.4029	1.3562	1.2173	1.1371	1.1496	1.1338
TCMX (PCB)	A	1.3501	1.1088	1.0150	1.1486	0.8786	0.8887	0.8727	0.8364	0.8569
Aroclor-1016 Peak # 1	B	0.0240	0.0205	0.0190	0.0186	0.0177	0.0178	0.0169	0.0158	0.0161
Aroclor-1016 Peak # 2	B	0.0502	0.0431	0.0405	0.0394	0.0371	0.0347	0.0352	0.0334	0.0337
Aroclor-1016 Peak # 3	B	0.0710	0.0577	0.0530	0.0498	0.0473	0.0454	0.0465	0.0449	0.0467
Aroclor-1016 Peak # 4	B	0.0467	0.0394	0.0364	0.0357	0.0336	0.0240	0.0324	0.0310	0.0313
Aroclor-1016 Peak # 5	B	0.0369	0.0317	0.0298	0.0284	0.0270	0.0254	0.0264	0.0253	0.0256
Aroclor-1260 Peak # 1	B	0.0719	0.0586	0.0552	0.0526	0.0494	0.0465	0.0478	0.0467	0.0478
Aroclor-1260 Peak # 2	B	0.0886	0.0713	0.0665	0.0631	0.0587	0.0552	0.0571	0.0565	0.0579
Aroclor-1260 Peak # 3	B	0.0997	0.0847	0.0802	0.0783	0.0751	0.0706			
Aroclor-1260 Peak # 4	B	0.0625	0.0504	0.0492	0.0495	0.0467	0.0432	0.0468	0.0476	0.0496
Aroclor-1260 Peak # 5	B	0.0879	0.0744	0.0743	0.0727	0.0690	0.0658	0.0707	0.0714	0.0742
Decachlorobiphenyl (PCB)	B	1.5611	1.1854	1.0694	1.1996	1.1911	1.0469	0.9946	1.0403	1.0441
TCMX (PCB)	B	1.1483	0.9750	0.9083	1.1058	0.8540	0.8950	0.8686	0.8341	0.8722

Instrument: SVOA-GC06
 Calibration #: 453416704002
 Units: ug/L

Name: PCB_101623_1
 Date: 16-OCT-2023 14:04
 X Axis: R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	32	50.000	19	100.00	7	250.00	4	500.00	-3	749.91	-8	1000.0	-13	1500.0	-19
Aroclor-1016 Peak # 2	A	20.000	37	50.000	16	100.00	8	250.00	-1	500.00	-9	749.91	-14	1000.0	-16	1500.0	-21
Aroclor-1016 Peak # 3	A			50.000	34	100.00	12	250.00	6	500.00	-2	749.91	-13	1000.0	-11	1500.0	-13
Aroclor-1016 Peak # 4	A	20.000	36	50.000	17	100.00	9	250.00	0	500.00	-8	749.91	1	1000.0	-15	1500.0	-20
Aroclor-1016 Peak # 5	A	20.000	39	50.000	20	100.00	12	250.00	2	500.00	-6	749.91	-19	1000.0	-12	1500.0	-17
Aroclor-1260 Peak # 1	A			50.000	19	100.00	10	250.00	4	500.00	-6	749.91	-14	1000.0	-11		
Aroclor-1260 Peak # 2	A	20.000	30	50.000	16	100.00	8	250.00	0	500.00	-9	749.91	-15	1000.0	-13	1500.0	-17
Aroclor-1260 Peak # 3	A	20.000	37	50.000	14	100.00	6	250.00	-2	500.00	-11	749.91	-15	1000.0	-14	1500.0	-16
Aroclor-1260 Peak # 4	A			50.000	21	100.00	15	250.00	6	500.00	-4	749.91	-12	1000.0	-7	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	31	50.000	14	100.00	12	250.00	-2	500.00	-12	749.91	-10	1000.0	-13	1500.0	-11
Decachlorobiphenyl (PCB)	A			4.0000	18	8.0000	2	20.000	10	40.000	6	59.993	-5	80.000	-11	120.00	-10
TCMX (PCB)	A	1.6000	36	4.0000	11	8.0000	2	20.000	15	40.000	-12	59.993	-11	80.000	-12	120.00	-16
Aroclor-1016 Peak # 1	B	20.000	30	50.000	11	100.00	3	250.00	1	500.00	-4	749.91	-4	1000.0	-9	1500.0	-15
Aroclor-1016 Peak # 2	B	20.000	30	50.000	12	100.00	5	250.00	2	500.00	-4	749.91	-10	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 3	B	20.000	38	50.000	12	100.00	3	250.00	-3	500.00	-8	749.91	-12	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 4	B	20.000	35	50.000	14	100.00	5	250.00	4	500.00	-3	749.91	-30	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 5	B	20.000	29	50.000	11	100.00	5	250.00	0	500.00	-5	749.91	-11	1000.0	-8	1500.0	-11
Aroclor-1260 Peak # 1	B	20.000	36	50.000	11	100.00	4	250.00	-1	500.00	-7	749.91	-12	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 2	B	20.000	39	50.000	12	100.00	4	250.00	-1	500.00	-8	749.91	-14	1000.0	-11	1500.0	-12
Aroclor-1260 Peak # 3	B	20.000	22	50.000	4	100.00	-1	250.00	-4	500.00	-8	749.91	-13				
Aroclor-1260 Peak # 4	B	20.000	26	50.000	2	100.00	-1	250.00	0	500.00	-6	749.91	-13	1000.0	-6	1500.0	-4
Aroclor-1260 Peak # 5	B	20.000	20	50.000	1	100.00	1	250.00	-1	500.00	-6	749.91	-10	1000.0	-4	1500.0	-3
Decachlorobiphenyl (PCB)	B	1.6000	36	4.0000	3	8.0000	-7	20.000	4	40.000	4	59.993	-9	80.000	-13	120.00	-9
TCMX (PCB)	B	1.6000	22	4.0000	4	8.0000	-3	20.000	18	40.000	-9	59.993	-5	80.000	-8	120.00	-11

Instrument: SVOA-GC06
 Calibration #: 453416704002
 Units: ug/L

Name: PCB_101623_1
 Date: 16-OCT-2023 14:04
 X Axis: R

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

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

Instrument: SVOA-GC06
Calibration #: 453416704002
Units: ug/L

Name: PCB_101623_1
Date: 16-OCT-2023 14:04
X Axis: R

Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 495753 PCBS Wipe
EPA 8082

Inst: SVOA-GC06
Calnum: 453416704002

Name: PCB_101623_1
Cal Date: 16-OCT-2023

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

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

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Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

ENTHALPY CONTINUING CALIBRATION FOR 495753 PCBs Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_111123004	IDF: 1.0
Seqnum: 453454429004	Caldate: 16-OCT-2023	Time: 11-NOV-2023 14:26
Cal: 453416704002		

Standards: S19183

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	498.9	ug/L	0	15	0.0000	
Aroclor-1260	A			500.0	570.2	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2758	1.4116	40.00	44.26	ug/L	11	15	0.0000	
TCMX (PCB)	A	0.9951	0.9336	40.00	37.53	ug/L	-6	15	0.0000	
Aroclor-1016	B			500.0	483.5	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	541.5	ug/L	8	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1481	1.1344	40.00	39.52	ug/L	-1	15	0.0000	
TCMX (PCB)	B	0.9401	0.8595	40.00	36.57	ug/L	-9	15	0.0000	

ISTD (ICAL gc06_101623019)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10693236	13581648	27.01
1-bromo-2-nitrobenzene (PCB)	A	3667875	4388704	19.65

11/11/23 : 500 PPB PCB CCV

Analyst: MES 11/11/23

Reviewer: MTS 11/14/23

ENTHALPY CONTINUING CALIBRATION FOR 495753 PCBs Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_111323004	IDF: 1.0
Seqnum: 453457070004.1	Caldate: 16-OCT-2023	Time: 13-NOV-2023 10:27
Cal: 453416704002		

Standards: S19183

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	460.7	ug/L	-8	15	0.0000	
Aroclor-1260	A			500.0	498.5	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2758	1.2295	40.00	38.55	ug/L	-4	15	0.0000	
TCMX (PCB)	A	0.9951	0.8945	40.00	35.96	ug/L	-10	15	0.0000	
Aroclor-1016	B			500.0	485.3	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	520.3	ug/L	4	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1481	1.0525	40.00	36.67	ug/L	-8	15	0.0000	
TCMX (PCB)	B	0.9401	0.8930	40.00	38.00	ug/L	-5	15	0.0000	

ISTD (ICAL gc06_101623019)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10693236	13637102	27.53
1-bromo-2-nitrobenzene (PCB)	A	3667875	4723094	28.77

11/13/23 : 500 PPB PCB CCV

MES 11/15/23 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

Analyst: MES 11/14/23

Reviewer: MTS 11/14/23

Date: 11/11/23		Reference: gc06_101623019		
Sequence: SVOA-GC06 gc06_111123		Analyzed: 10/16/23 14:42		
#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	10693236	3667875
		LOWER LIMIT	5346618	1833938
		UPPER LIMIT	21386471	7335751
004	CCV		13581648	4388704

Date: 11/11/23
Sequence: SVOA-GC06 gc06_111123

Reference: gc06_111123004
Analyzed: 11/11/23 14:26

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	13581648	4388704
		LOWER LIMIT	6790824	2194352
		UPPER LIMIT	27163296	8777409
013	BLANK	QC1106494	16206384	5571409
014	BS	QC1106495	14200728	4817674
015	BSD	QC1106496	12148721	4062618
016	SAMPLE	495712-011	12716197	3968323
017	SAMPLE	495753-001	13354257	4128685
018	SAMPLE	495753-004	13213100	3775817
019	SAMPLE	495753-006	13822694	3840123
020	SAMPLE	495753-007	14271622	4065582
021	SAMPLE	495753-009	14814101	4012814
022	SAMPLE	495753-011	16140283	4032905
023	SAMPLE	495753-014	15759910	4264299
024	SAMPLE	495753-016	15864680	3952069
025	SAMPLE	495753-018	16082560	3987890
026	SAMPLE	495753-020	16167802	4470285
027	SAMPLE	495753-022	15438237	4275611

Date: 11/11/23
Sequence: SVOA-GC06 gc06_111123

Reference: gc06_111123004
Analyzed: 11/11/23 14:26

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.12	3.93
		LOWER LIMIT	3.92	3.73
		UPPER LIMIT	4.32	4.13
013	BLANK	QC1106494	4.12	3.93
014	BS	QC1106495	4.12	3.93
015	BSD	QC1106496	4.12	3.92
016	SAMPLE	495712-011	4.12	3.92
017	SAMPLE	495753-001	4.12	3.92
018	SAMPLE	495753-004	4.12	3.92
019	SAMPLE	495753-006	4.12	3.92
020	SAMPLE	495753-007	4.12	3.92
021	SAMPLE	495753-009	4.12	3.92
022	SAMPLE	495753-011	4.12	3.92
023	SAMPLE	495753-014	4.12	3.92
024	SAMPLE	495753-016	4.12	3.92
025	SAMPLE	495753-018	4.12	3.92
026	SAMPLE	495753-020	4.12	3.92
027	SAMPLE	495753-022	4.12	3.92

Date: 11/13/23		Reference: gc06_101623019		
Sequence: SVOA-GC06 gc06_111323		Analyzed: 10/16/23 14:42		
#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	10693236	3667875
		LOWER LIMIT	5346618	1833938
		UPPER LIMIT	21386471	7335751
004	CCV		13637102	4723094
033	CCV		15495789	5137006

Date: 11/13/23
Sequence: SVOA-GC06 gc06_111323

Reference: gc06_111323004
Analyzed: 11/13/23 10:27

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	13637102	4723094
		LOWER LIMIT	6818551	2361547
		UPPER LIMIT	27274204	9446189
006	BS	QC1106495	15697033	5622213
007	BSD	QC1106496	14343424	5240179
020	BLANK	QC1106683	16749289	5574197
020	BLANK	QC1106683	16749289	5574197
023	BS	QC1106686	17585736	6139433
024	BSD	QC1106687	15394836	5345639
025	SAMPLE	495680-001	16632190	5703366
025	SAMPLE	495680-001	16632190	5703366
026	SAMPLE	495791-002	17366811	6033888
027	SAMPLE	495806-001	17156299	426350768 *
027	SAMPLE	495806-001	17156299	426350768 *
028	SAMPLE	495884-001	17387118	6598626
028	SAMPLE	495884-001	17387118	6598626
029	SAMPLE	495903-002	18356372	5877625

Date: 11/13/23
Sequence: SVOA-GC06 gc06_111323

Reference: gc06_111323004
Analyzed: 11/13/23 10:27

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.11	3.91
		LOWER LIMIT	3.91	3.71
		UPPER LIMIT	4.31	4.11
006	BS	QC1106495	4.11	3.92
007	BSD	QC1106496	4.11	3.91
020	BLANK	QC1106683	4.11	3.92
023	BS	QC1106686	4.11	3.91
024	BSD	QC1106687	4.11	3.91
025	SAMPLE	495680-001	4.11	3.91
026	SAMPLE	495791-002	4.11	3.91
027	SAMPLE	495806-001	4.11	3.93
028	SAMPLE	495884-001	4.11	3.91
029	SAMPLE	495903-002	4.11	3.91

Instrument: SVOA-GC06

Begun: 10/16/23 09:04

Method: EPA 8081A, EPA 8082

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

Instrument: SVOA-GC06					Begun: 10/16/23 09:04				
Method: EPA 8081A, EPA 8082									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
063	gc06_101623063	MSS	493928-014	Soil	324509	10/17/23 04:45	1.0	24	
064	gc06_101623064	SAMPLE	493928-002	Soil	324509	10/17/23 05:05	1.0	24	
065	gc06_101623065	SAMPLE	493928-003	Soil	324509	10/17/23 05:24	1.0	24	
066	gc06_101623066	SAMPLE	493928-004	Soil	324509	10/17/23 05:43	1.0	24	
067	gc06_101623067	SAMPLE	493928-005	Soil	324509	10/17/23 06:02	1.0	24	
068	gc06_101623068	SAMPLE	493928-006	Soil	324509	10/17/23 06:21	1.0	24	

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

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

ac=average CCV drift out

Standards Used:

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

Instrument: SVOA-GC06		Begun: 11/11/23 13:49							
Method: EPA 8081A, EPA 8082									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_111123002	PEM				11/11/23 13:49	1.0	1	
003	gc06_111123003	CCV				11/11/23 14:07	1.0	2	
004	gc06_111123004	CCV				11/11/23 14:26	1.0	3	
013	gc06_111123013	BLANK	QC1106494	Wipe	326371	11/11/23 17:18	1.0	4	
014	gc06_111123014	BS	QC1106495	Wipe	326371	11/11/23 17:36	1.0	4	
015	gc06_111123015	BSD	QC1106496	Wipe	326371	11/11/23 17:55	1.0	4	
016	gc06_111123016	SAMPLE	495712-011	Wipe	326371	11/11/23 18:13	1.0	4	
017	gc06_111123017	SAMPLE	495753-001	Wipe	326371	11/11/23 18:31	1.0	4	
018	gc06_111123018	SAMPLE	495753-004	Wipe	326371	11/11/23 18:49	1.0	4	
019	gc06_111123019	SAMPLE	495753-006	Wipe	326371	11/11/23 19:08	1.0	4	
020	gc06_111123020	SAMPLE	495753-007	Wipe	326371	11/11/23 19:26	1.0	4	
021	gc06_111123021	SAMPLE	495753-009	Wipe	326371	11/11/23 19:44	1.0	4	
022	gc06_111123022	SAMPLE	495753-011	Wipe	326371	11/11/23 20:02	1.0	4	
023	gc06_111123023	SAMPLE	495753-014	Wipe	326371	11/11/23 20:21	1.0	4	
024	gc06_111123024	SAMPLE	495753-016	Wipe	326371	11/11/23 20:39	1.0	4	
025	gc06_111123025	SAMPLE	495753-018	Wipe	326371	11/11/23 20:57	1.0	4	
026	gc06_111123026	SAMPLE	495753-020	Wipe	326371	11/11/23 21:15	1.0	4	
027	gc06_111123027	SAMPLE	495753-022	Wipe	326371	11/11/23 21:34	1.0	4	
028	gc06_111123028	SAMPLE	495573-019	Soil	326370	11/11/23 21:52	1.0	4	2:DDE44=1900
029	gc06_111123029	SAMPLE	495573-023	Soil	326370	11/11/23 22:10	1.0	4	2:DDE44=2500
030	gc06_111123030	SAMPLE	495573-024	Soil	326370	11/11/23 22:28	1.0	4	2:DDE44=1900
031	gc06_111123031	SAMPLE	495573-027	Soil	326370	11/11/23 22:47	1.0	4	2:DDE44=860
032	gc06_111123032	SAMPLE	495573-029	Soil	326370	11/11/23 23:05	1.0	4	2:DDE44=2100
033	gc06_111123033	SAMPLE	495573-031	Soil	326370	11/11/23 23:23	1.0	4	2:DDE44=1200
034	gc06_111123034	SAMPLE	495353-002	Soil	326370	11/11/23 23:41	1.0	4	4:GCHLORDANE=37000

MES 11/13/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 34.

Standards Used:

1=S18897 2=S19020 3=S19183 4=S19190

Instrument: SVOA-GC06		Begun: 11/13/23 09:50							
Method: EPA 8081A, EPA 8082									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_111323002	PEM				11/13/23 09:50	1.0	1	
003	gc06_111323003	CCV				11/13/23 10:09	1.0	2	
004	gc06_111323004	CCV				11/13/23 10:27	1.0	3	
006	gc06_111323006	BS	QC1106495	Wipe	326371	11/13/23 10:51	1.0	4	
007	gc06_111323007	BSD	QC1106496	Wipe	326371	11/13/23 11:09	1.0	4	
009	gc06_111323009	SAMPLE	495573-027	Soil	326370	11/13/23 11:45	10.0	4	
010	gc06_111323010	SAMPLE	495573-029	Soil	326370	11/13/23 12:04	20.0	4	
011	gc06_111323011	SAMPLE	495573-031	Soil	326370	11/13/23 12:22	10.0	4	
020	gc06_111323020	BLANK	QC1106683	Water	326416	11/13/23 18:32	1.0	4	
021	gc06_111323021	BS	QC1106684	Water	326416	11/13/23 18:50	1.0	4	
022	gc06_111323022	BSD	QC1106685	Water	326416	11/13/23 19:08	1.0	4	
023	gc06_111323023	BS	QC1106686	Water	326416	11/13/23 19:26	1.0	4	
024	gc06_111323024	BSD	QC1106687	Water	326416	11/13/23 19:44	1.0	4	
025	gc06_111323025	SAMPLE	495680-001	Water	326416	11/13/23 20:03	1.0	4	
026	gc06_111323026	SAMPLE	495791-002	Water	326416	11/13/23 20:21	1.0	4	
027	gc06_111323027	SAMPLE	495806-001	Water	326416	11/13/23 20:39	1.0	4	8:PCB1016#2=33000
028	gc06_111323028	SAMPLE	495884-001	Water	326416	11/13/23 20:57	1.0	4	
029	gc06_111323029	SAMPLE	495903-002	Water	326416	11/13/23 21:15	1.0	4	
031	gc06_111323031	PEM				11/13/23 21:52	1.0	1	
032	gc06_111323032	CCV				11/13/23 22:10	1.0	2	
033	gc06_111323033	CCV				11/13/23 22:28	1.0	3	

MES 11/13/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 11.

MES 11/14/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 20 through 33.

Standards Used:

1=S18897 2=S19020 3=S19183 4=S19190

SAMPLE PREPARATION SUMMARY

Batch #: 326371
Started By: EPL

Method: 3546
Prep Date: 11-NOV-2023 11:53

Analysis: 8080
Finished By: EPL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S19302	Spike S19262	Analysis
495712-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
495753-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
495753-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
495753-006	Wipe	1.09273 dm2	10 mL	9.151		.5 mL		PCB-MICROWAVE
495753-007	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
495753-009	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
495753-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
495753-014	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
495753-016	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
495753-018	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
495753-020	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
495753-022	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
QC1106494 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1106495 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1106496 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: WIPE Date/Time: 11/1/23 11:53 Initials: EPL
Hotblock ID: N/A

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

608.3 QC Batch#:

Hotblock Temp (Obs/Corr), °C: _____ / _____

8081 QC Batch #:

Balance ID: N/A Microdispenser ID: SPRINGE

8082 QC Batch #:

Extraction Start Time*: 11:50 Extraction end time*: 13:07
*For hot block, microwave, shaker table

326311

77035

* For hot block, microwave, shaker table

[illegible]

Methylene Chloride Lot: N/A
Exchange Solvent (Hexane) ID: 59078
Acetone-Hexane Mix ID: _____
Sodium Sulfate Lot: 223704
Baked Sand Lot: N/A

Surrogate ID:	<u>SP4302</u>	Volume:	<u>500</u> μ L
Pest LCS Spike ID:		Volume:	<u> </u> μ L
PCB LCS Spike ID:	<u>SP4262</u>	Volume:	<u>500</u> μ L
Pest MS/MSD Spike ID:		Volume:	<u> </u> μ L
PCB MS/MSD Spike ID:		Volume:	<u> </u> μ L

REPORTING SUMMARY FOR 495753 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
495753-001	Aroclor-1016	SVOA-GC06	B	11/11/23 18:31
495753-001	Aroclor-1221	SVOA-GC06	B	11/11/23 18:31
495753-001	Aroclor-1232	SVOA-GC06	B	11/11/23 18:31
495753-001	Aroclor-1242	SVOA-GC06	B	11/11/23 18:31
495753-001	Aroclor-1248	SVOA-GC06	B	11/11/23 18:31
495753-001	Aroclor-1254	SVOA-GC06	B	11/11/23 18:31
495753-001	Aroclor-1260	SVOA-GC06	B	11/11/23 18:31
495753-001	Aroclor-1262	SVOA-GC06	B	11/11/23 18:31
495753-001	Aroclor-1268	SVOA-GC06	B	11/11/23 18:31
495753-001	TCMX (PCB)	SVOA-GC06	B	11/11/23 18:31
495753-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 18:31
495753-004	Aroclor-1016	SVOA-GC06	B	11/11/23 18:49
495753-004	Aroclor-1221	SVOA-GC06	B	11/11/23 18:49
495753-004	Aroclor-1232	SVOA-GC06	B	11/11/23 18:49
495753-004	Aroclor-1242	SVOA-GC06	B	11/11/23 18:49
495753-004	Aroclor-1248	SVOA-GC06	B	11/11/23 18:49
495753-004	Aroclor-1254	SVOA-GC06	B	11/11/23 18:49
495753-004	Aroclor-1260	SVOA-GC06	B	11/11/23 18:49
495753-004	Aroclor-1262	SVOA-GC06	B	11/11/23 18:49
495753-004	Aroclor-1268	SVOA-GC06	B	11/11/23 18:49
495753-004	TCMX (PCB)	SVOA-GC06	B	11/11/23 18:49
495753-004	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 18:49
495753-006	Aroclor-1016	SVOA-GC06	B	11/11/23 19:08
495753-006	Aroclor-1221	SVOA-GC06	B	11/11/23 19:08
495753-006	Aroclor-1232	SVOA-GC06	B	11/11/23 19:08
495753-006	Aroclor-1242	SVOA-GC06	B	11/11/23 19:08
495753-006	Aroclor-1248	SVOA-GC06	B	11/11/23 19:08
495753-006	Aroclor-1254	SVOA-GC06	B	11/11/23 19:08
495753-006	Aroclor-1260	SVOA-GC06	B	11/11/23 19:08

REPORTING SUMMARY FOR 495753 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
495753-006	Aroclor-1262	SVOA-GC06	B	11/11/23 19:08
495753-006	Aroclor-1268	SVOA-GC06	B	11/11/23 19:08
495753-006	TCMX (PCB)	SVOA-GC06	B	11/11/23 19:08
495753-006	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 19:08
495753-007	Aroclor-1016	SVOA-GC06	B	11/11/23 19:26
495753-007	Aroclor-1221	SVOA-GC06	B	11/11/23 19:26
495753-007	Aroclor-1232	SVOA-GC06	B	11/11/23 19:26
495753-007	Aroclor-1242	SVOA-GC06	B	11/11/23 19:26
495753-007	Aroclor-1248	SVOA-GC06	B	11/11/23 19:26
495753-007	Aroclor-1254	SVOA-GC06	B	11/11/23 19:26
495753-007	Aroclor-1260	SVOA-GC06	B	11/11/23 19:26
495753-007	Aroclor-1262	SVOA-GC06	B	11/11/23 19:26
495753-007	Aroclor-1268	SVOA-GC06	B	11/11/23 19:26
495753-007	TCMX (PCB)	SVOA-GC06	B	11/11/23 19:26
495753-007	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 19:26
495753-009	Aroclor-1016	SVOA-GC06	B	11/11/23 19:44
495753-009	Aroclor-1221	SVOA-GC06	B	11/11/23 19:44
495753-009	Aroclor-1232	SVOA-GC06	B	11/11/23 19:44
495753-009	Aroclor-1242	SVOA-GC06	B	11/11/23 19:44
495753-009	Aroclor-1248	SVOA-GC06	B	11/11/23 19:44
495753-009	Aroclor-1254	SVOA-GC06	B	11/11/23 19:44
495753-009	Aroclor-1260	SVOA-GC06	B	11/11/23 19:44
495753-009	Aroclor-1262	SVOA-GC06	B	11/11/23 19:44
495753-009	Aroclor-1268	SVOA-GC06	B	11/11/23 19:44
495753-009	TCMX (PCB)	SVOA-GC06	B	11/11/23 19:44
495753-009	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 19:44
495753-011	Aroclor-1016	SVOA-GC06	B	11/11/23 20:02
495753-011	Aroclor-1221	SVOA-GC06	B	11/11/23 20:02

REPORTING SUMMARY FOR 495753 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
495753-011	Aroclor-1232	SVOA-GC06	B	11/11/23 20:02
495753-011	Aroclor-1242	SVOA-GC06	B	11/11/23 20:02
495753-011	Aroclor-1248	SVOA-GC06	B	11/11/23 20:02
495753-011	Aroclor-1254	SVOA-GC06	B	11/11/23 20:02
495753-011	Aroclor-1260	SVOA-GC06	B	11/11/23 20:02
495753-011	Aroclor-1262	SVOA-GC06	B	11/11/23 20:02
495753-011	Aroclor-1268	SVOA-GC06	B	11/11/23 20:02
495753-011	TCMX (PCB)	SVOA-GC06	B	11/11/23 20:02
495753-011	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 20:02
495753-014	Aroclor-1016	SVOA-GC06	B	11/11/23 20:21
495753-014	Aroclor-1221	SVOA-GC06	B	11/11/23 20:21
495753-014	Aroclor-1232	SVOA-GC06	B	11/11/23 20:21
495753-014	Aroclor-1242	SVOA-GC06	B	11/11/23 20:21
495753-014	Aroclor-1248	SVOA-GC06	B	11/11/23 20:21
495753-014	Aroclor-1254	SVOA-GC06	B	11/11/23 20:21
495753-014	Aroclor-1260	SVOA-GC06	B	11/11/23 20:21
495753-014	Aroclor-1262	SVOA-GC06	B	11/11/23 20:21
495753-014	Aroclor-1268	SVOA-GC06	B	11/11/23 20:21
495753-014	TCMX (PCB)	SVOA-GC06	B	11/11/23 20:21
495753-014	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 20:21
495753-016	Aroclor-1016	SVOA-GC06	B	11/11/23 20:39
495753-016	Aroclor-1221	SVOA-GC06	B	11/11/23 20:39
495753-016	Aroclor-1232	SVOA-GC06	B	11/11/23 20:39
495753-016	Aroclor-1242	SVOA-GC06	B	11/11/23 20:39
495753-016	Aroclor-1248	SVOA-GC06	B	11/11/23 20:39
495753-016	Aroclor-1254	SVOA-GC06	B	11/11/23 20:39
495753-016	Aroclor-1260	SVOA-GC06	B	11/11/23 20:39
495753-016	Aroclor-1262	SVOA-GC06	B	11/11/23 20:39
495753-016	Aroclor-1268	SVOA-GC06	B	11/11/23 20:39

REPORTING SUMMARY FOR 495753 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
495753-016	TCMX (PCB)	SVOA-GC06	B	11/11/23 20:39
495753-016	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 20:39
495753-018	Aroclor-1016	SVOA-GC06	B	11/11/23 20:57
495753-018	Aroclor-1221	SVOA-GC06	B	11/11/23 20:57
495753-018	Aroclor-1232	SVOA-GC06	B	11/11/23 20:57
495753-018	Aroclor-1242	SVOA-GC06	B	11/11/23 20:57
495753-018	Aroclor-1248	SVOA-GC06	B	11/11/23 20:57
495753-018	Aroclor-1254	SVOA-GC06	B	11/11/23 20:57
495753-018	Aroclor-1260	SVOA-GC06	B	11/11/23 20:57
495753-018	Aroclor-1262	SVOA-GC06	B	11/11/23 20:57
495753-018	Aroclor-1268	SVOA-GC06	B	11/11/23 20:57
495753-018	TCMX (PCB)	SVOA-GC06	B	11/11/23 20:57
495753-018	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 20:57
495753-020	Aroclor-1016	SVOA-GC06	B	11/11/23 21:15
495753-020	Aroclor-1221	SVOA-GC06	B	11/11/23 21:15
495753-020	Aroclor-1232	SVOA-GC06	B	11/11/23 21:15
495753-020	Aroclor-1242	SVOA-GC06	B	11/11/23 21:15
495753-020	Aroclor-1248	SVOA-GC06	B	11/11/23 21:15
495753-020	Aroclor-1254	SVOA-GC06	B	11/11/23 21:15
495753-020	Aroclor-1260	SVOA-GC06	B	11/11/23 21:15
495753-020	Aroclor-1262	SVOA-GC06	B	11/11/23 21:15
495753-020	Aroclor-1268	SVOA-GC06	B	11/11/23 21:15
495753-020	TCMX (PCB)	SVOA-GC06	B	11/11/23 21:15
495753-020	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 21:15
495753-022	Aroclor-1016	SVOA-GC06	B	11/11/23 21:34
495753-022	Aroclor-1221	SVOA-GC06	B	11/11/23 21:34
495753-022	Aroclor-1232	SVOA-GC06	B	11/11/23 21:34
495753-022	Aroclor-1242	SVOA-GC06	B	11/11/23 21:34

REPORTING SUMMARY FOR 495753 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
495753-022	Aroclor-1248	SVOA-GC06	B	11/11/23 21:34
495753-022	Aroclor-1254	SVOA-GC06	B	11/11/23 21:34
495753-022	Aroclor-1260	SVOA-GC06	B	11/11/23 21:34
495753-022	Aroclor-1262	SVOA-GC06	B	11/11/23 21:34
495753-022	Aroclor-1268	SVOA-GC06	B	11/11/23 21:34
495753-022	TCMX (PCB)	SVOA-GC06	B	11/11/23 21:34
495753-022	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 21:34
QC1106494	Aroclor-1016	SVOA-GC06	B	11/11/23 17:18
QC1106494	Aroclor-1221	SVOA-GC06	B	11/11/23 17:18
QC1106494	Aroclor-1232	SVOA-GC06	B	11/11/23 17:18
QC1106494	Aroclor-1242	SVOA-GC06	B	11/11/23 17:18
QC1106494	Aroclor-1248	SVOA-GC06	B	11/11/23 17:18
QC1106494	Aroclor-1254	SVOA-GC06	B	11/11/23 17:18
QC1106494	Aroclor-1260	SVOA-GC06	B	11/11/23 17:18
QC1106494	Aroclor-1262	SVOA-GC06	B	11/11/23 17:18
QC1106494	Aroclor-1268	SVOA-GC06	B	11/11/23 17:18
QC1106494	TCMX (PCB)	SVOA-GC06	B	11/11/23 17:18
QC1106494	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/11/23 17:18
QC1106495	Aroclor-1016	SVOA-GC06	B	11/13/23 10:51
QC1106495	Aroclor-1260	SVOA-GC06	B	11/13/23 10:51
QC1106495	TCMX (PCB)	SVOA-GC06	B	11/13/23 10:51
QC1106495	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/13/23 10:51
QC1106496	Aroclor-1016	SVOA-GC06	B	11/13/23 11:09
QC1106496	Aroclor-1260	SVOA-GC06	B	11/13/23 11:09
QC1106496	TCMX (PCB)	SVOA-GC06	B	11/13/23 11:09
QC1106496	Decachlorobiphenyl (PCB)	SVOA-GC06	B	11/13/23 11:09

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-001	Client ID: ARCH-C12E-EXT-1 TO 2-231109-P-WF
Seqnum: 453454429017	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123017	Batch: 326371	Time: 11-NOV-2023 18:31
Cal: 453416704002	Caldate: 16-OCT-2023	
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	Blank	Flags
Aroclor-1016	B	41.01	ND	0.34	20%	0.50		u
Aroclor-1016 Peak # 1	B	88.83	0.89	0.32	94%			
Aroclor-1016 Peak # 2	B	49.54	0.50	0.31	45%			
Aroclor-1016 Peak # 3	B	57.50	0.58	0.83	36%			
Aroclor-1016 Peak # 4	B	7.355	0.07	ND				
Aroclor-1016 Peak # 5	B	1.836	0.02	0.22	169%			
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	64.55	0.65 FP	0.72	11%	0.50		x u
Aroclor-1260 Peak # 1	B	8.239	0.08	1.57	180%			
Aroclor-1260 Peak # 2	B	19.61	0.20	0.01	176%			
Aroclor-1260 Peak # 3	B	10.61	0.11	0.03	110%			
Aroclor-1260 Peak # 4	B	5.093	0.05	1.31	185%			
Aroclor-1260 Peak # 5	B	279.2	2.79	0.68	121%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.90	0.5000	0.3590	72	19-121	u
Decachlorobiphenyl (PCB)	B	31.03	0.5000	0.3103	62	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	13354257	-1.67
1-bromo-2-nitrobenzene (PCB)	A	4388704	4128685	-5.92

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

11/13/23 : WIPE/1dm2-10ML

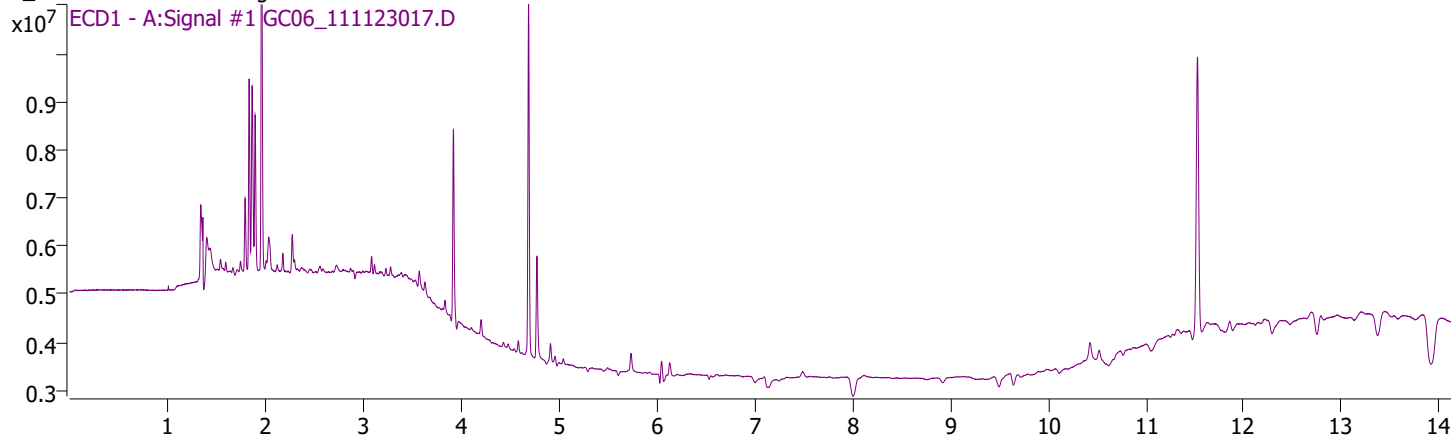
u=use x=false positive

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

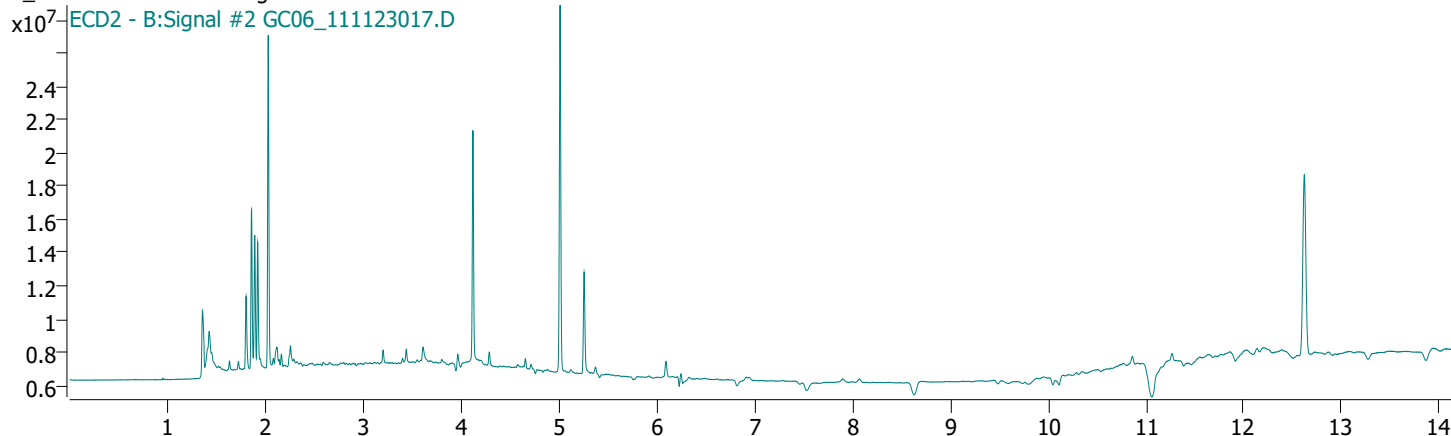
Quantitation Results Report (Not Reviewed)

Data File	GC06_111123017.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 6:31:34 PM
Sample Name	495753-001, 326371, 1	Instrument	SVOA-GC06
Vial	6	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

GC06_111123017.D No MS Signals



GC06_111123017.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	4128685.07 3	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	12354257.1 16	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.691	0.0	7155671.68 8	34.8345	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.17%	*	
S TCMX (PCB) #2	5.013	0.0	22535365.1 21	35.8993	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.50%	*	
S Decachlorobiphenyl (PCB)	11.527	0.0	9920837.81 1	37.6683	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.34%	*	
S Decachlorobiphenyl (PCB) #2	12.618	0.0	23786875.8 74	31.0304	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.15%	*	

Target Compounds

QValue

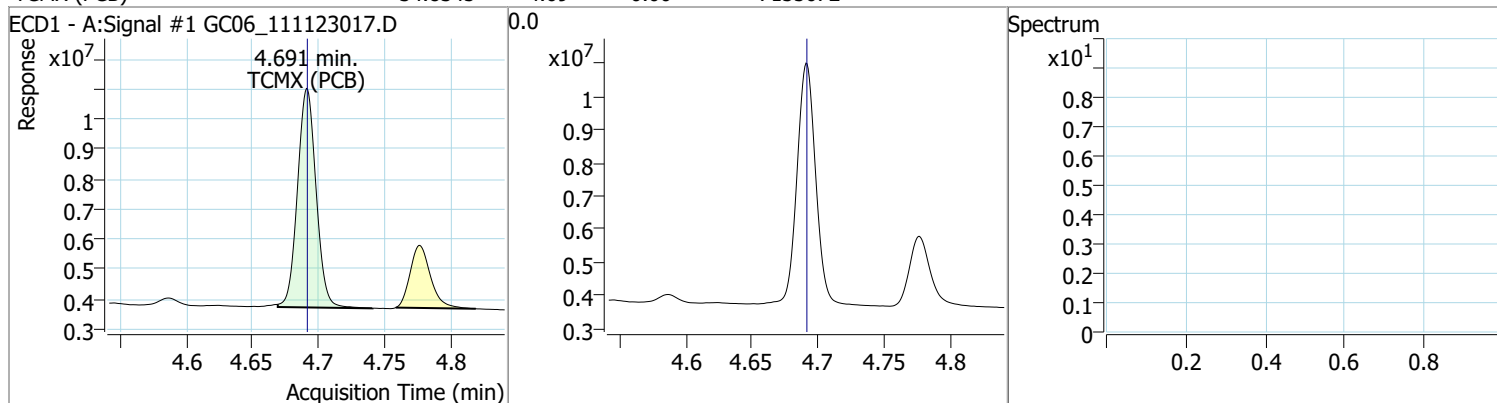
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.002	0.0	142925.438	31.8952	ng/ml	100
T AR1016 2	5.335	0.0	281357.877	31.2829	ng/ml	100
T AR1016 1 #2	5.488	0.0	1096980.03 2	88.8347	ng/ml	100
T AR1016 3	5.738	0.0	900933.949	82.7721	ng/ml	100
T AR1016 2 #2	5.923	0.0	1276762.02 4	49.5437	ng/ml	100
T AR1016 4	0.000		0	N.D.		
T AR1016 5	6.342	0.0	140174.293	21.6240	ng/ml	100
T AR1016 3 #2	6.330	0.0	1971827.18 1	57.5012	ng/ml	100
T AR1016 4 #2	6.492	0.0	169432.435	7.3549	ng/ml	100
T AR1016 5 #2	7.169	0.0	34945.463	1.8362	ng/ml	100
T AR1260 1	7.918	0.0	1956785.91 2	156.7609	ng/ml	100
T AR1260 2	8.449	0.0	24163.463	1.2423	ng/ml	100
T AR1260 3	8.873	0.0	62543.651	3.0622	ng/ml	100
T AR1260 1 #2	9.328	0.0	291302.935	8.2393	ng/ml	100
T AR1260 4	9.612	0.0	1401987.40 8	130.5821	ng/ml	100
T AR1260 2 #2	9.676	0.0	836655.987	19.6138	ng/ml	100
T AR1260 3 #2	10.075	0.0	577064.298	10.6124	ng/ml	100
T AR1260 5	10.428	0.0	937035.014	68.3960	ng/ml	100
T AR1260 4 #2	10.597	0.0	168376.792	5.0933	ng/ml	100
T AR1260 5 #2	11.268	0.0	13680352.3 13	279.2190	ng/ml	100

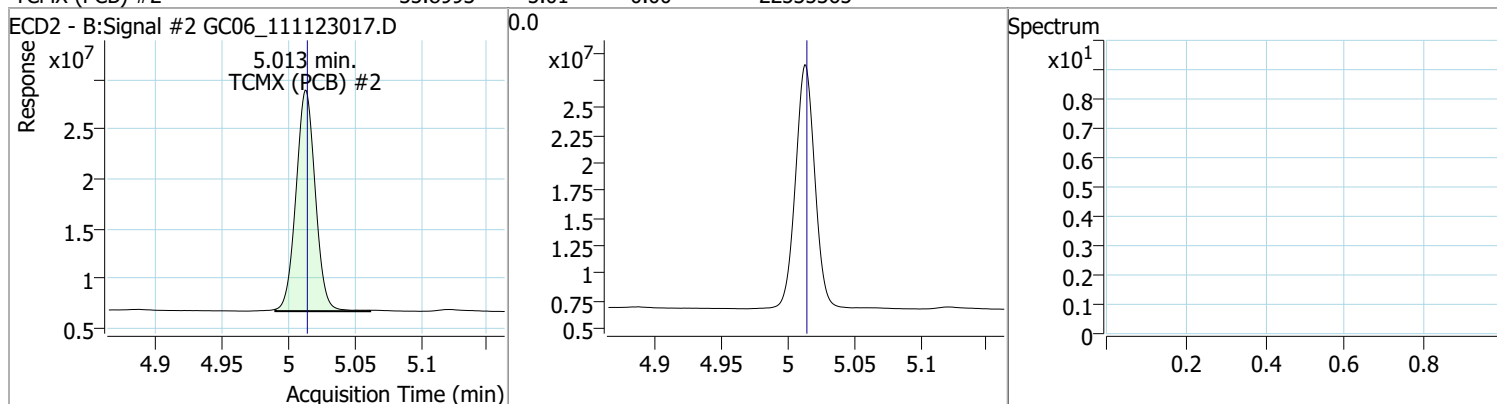
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

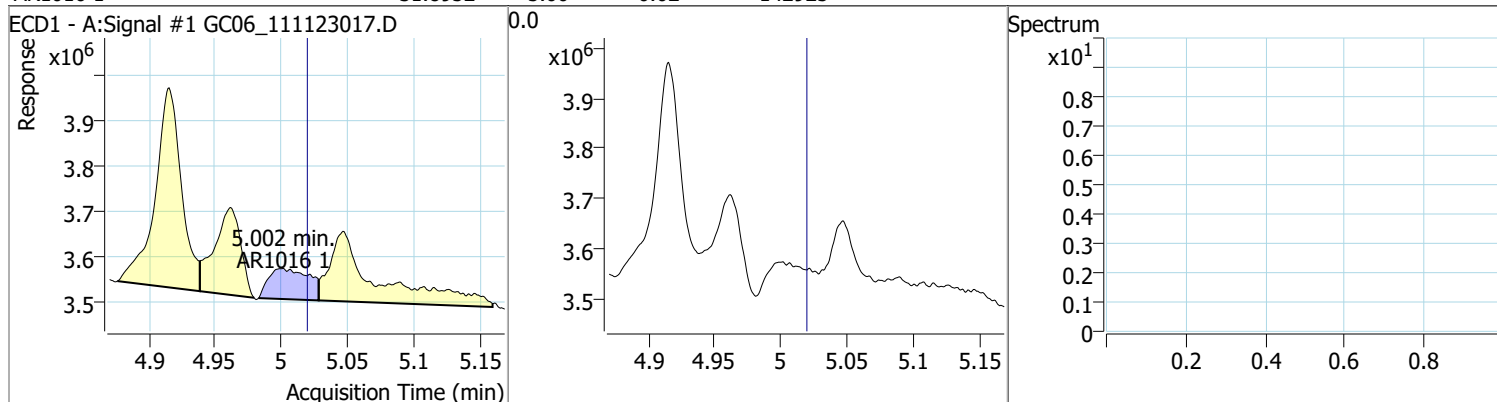
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.8345	4.69	0.00	7155672				



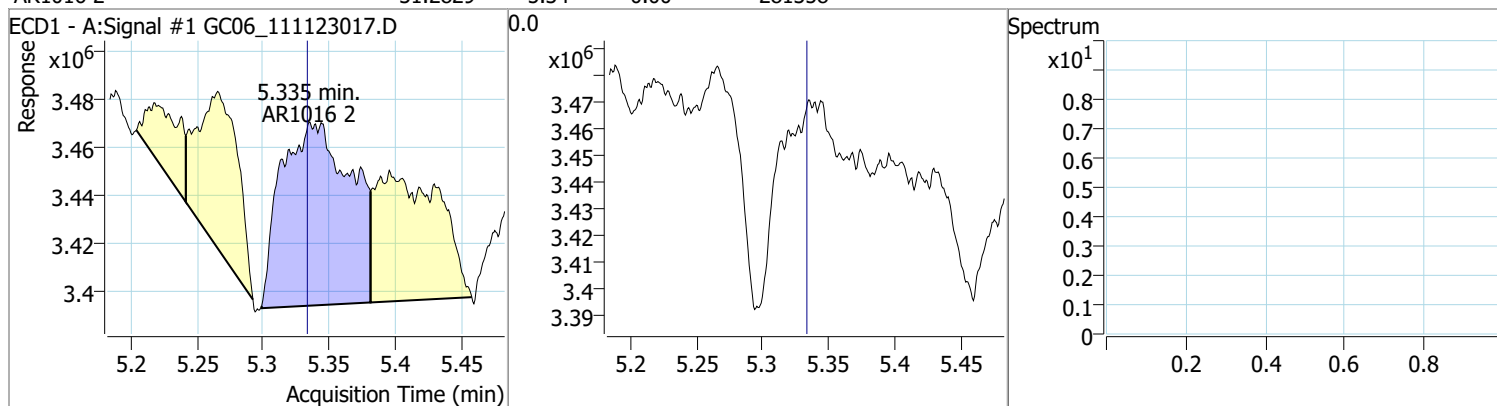
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.8993	5.01	0.00	22535365				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	31.8952	5.00	-0.02	142925				

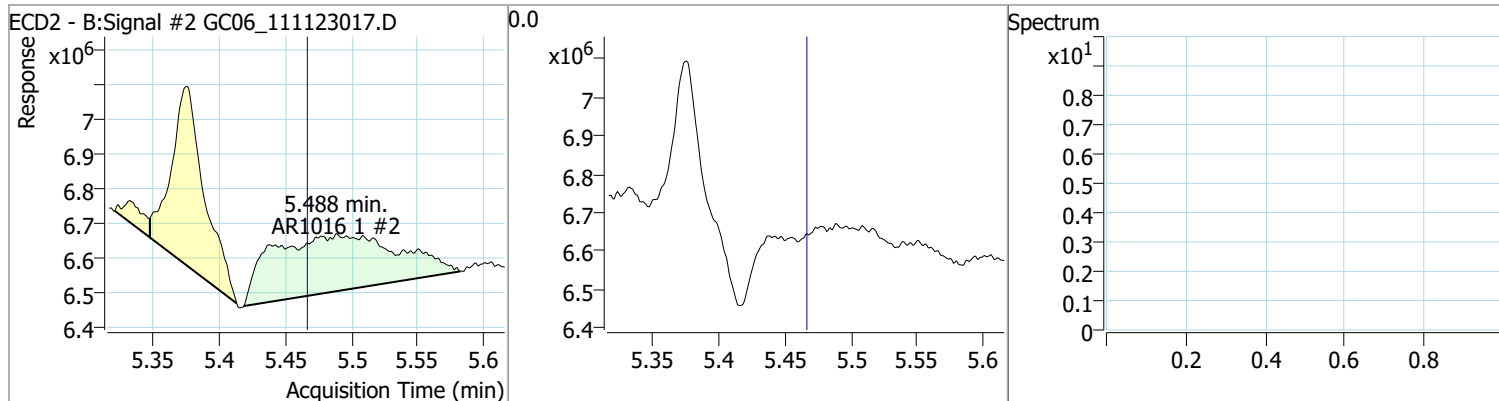


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	31.2829	5.34	0.00	281358				

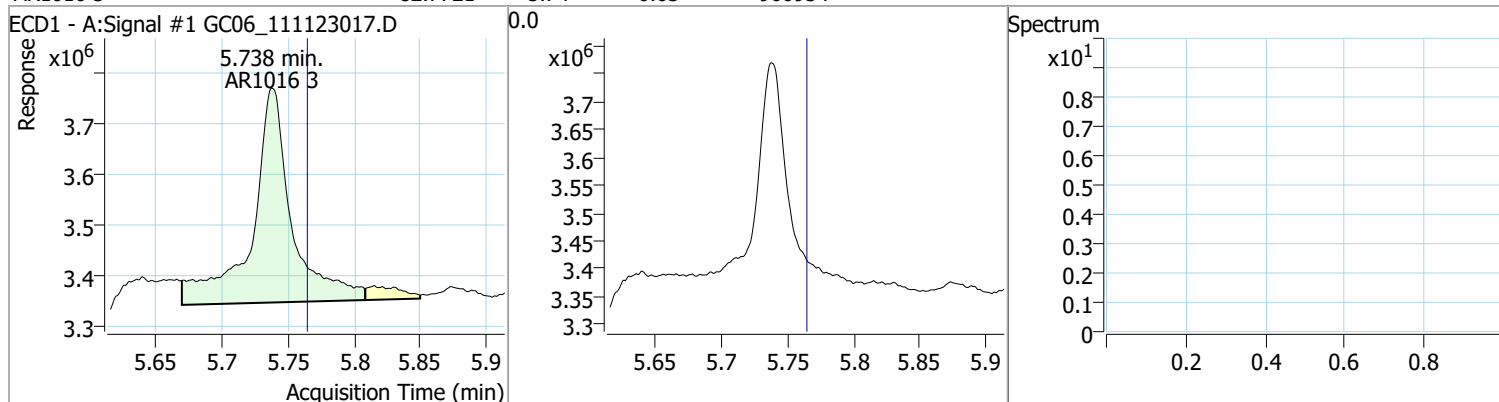


Quantitation Results Report (Not Reviewed)

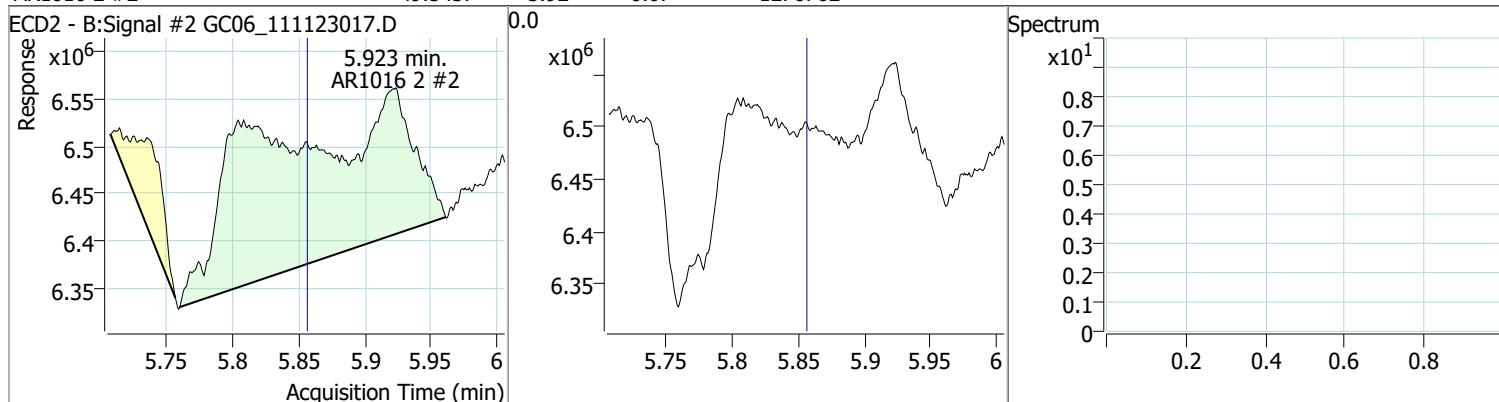
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	88.8347	5.49	0.02	1096980				



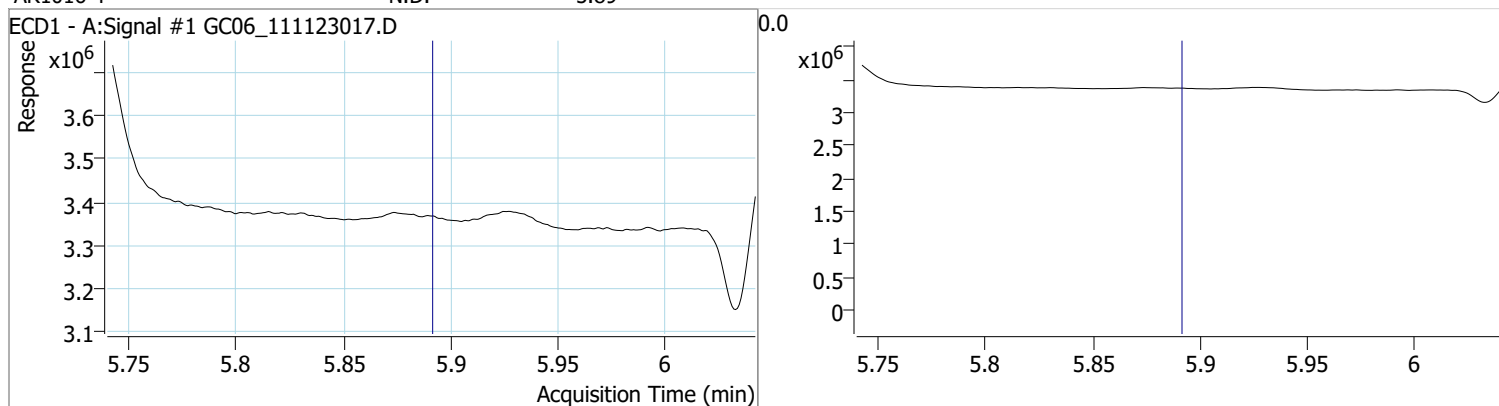
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	82.7721	5.74	-0.03	900934				



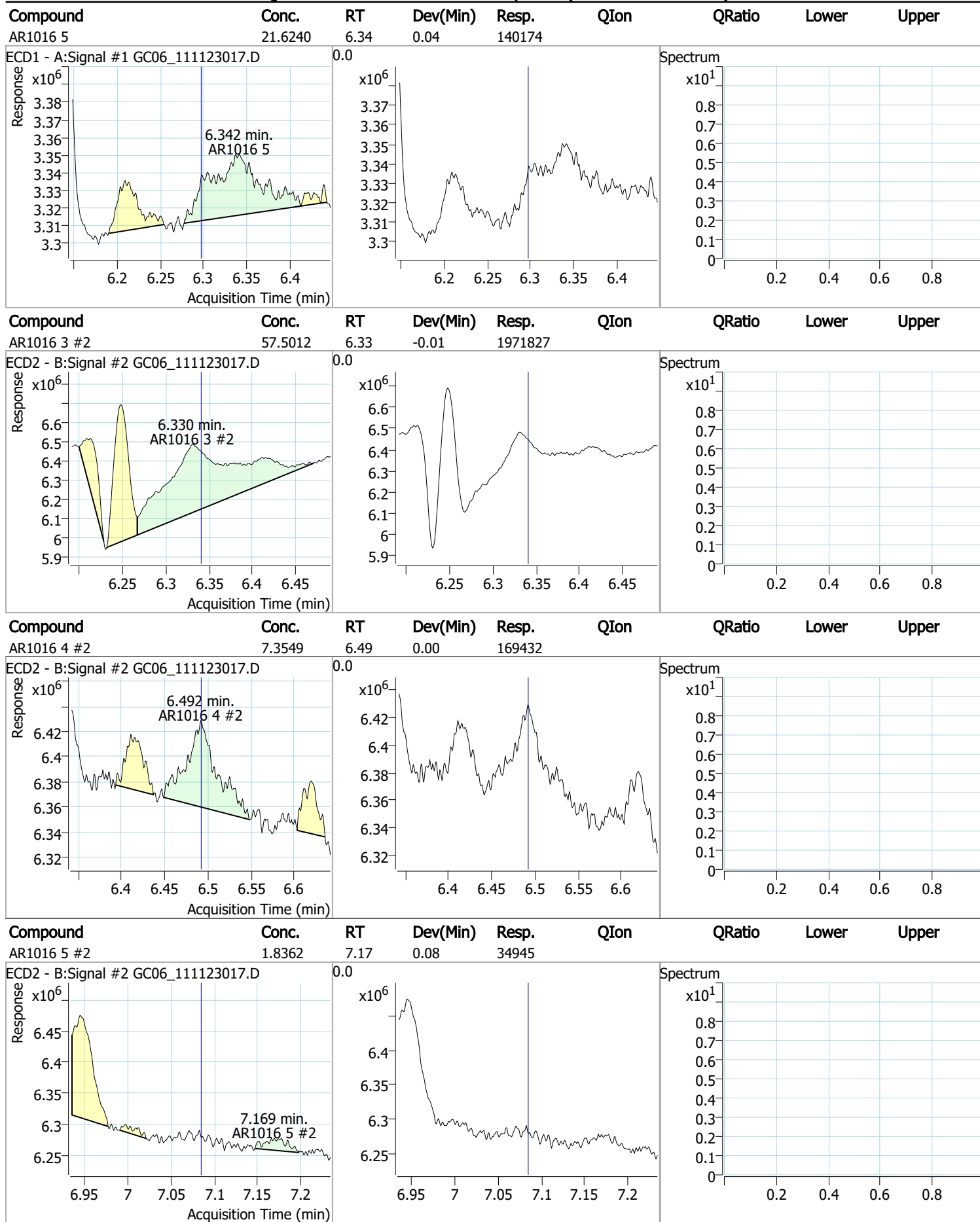
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	49.5437	5.92	0.07	1276762				



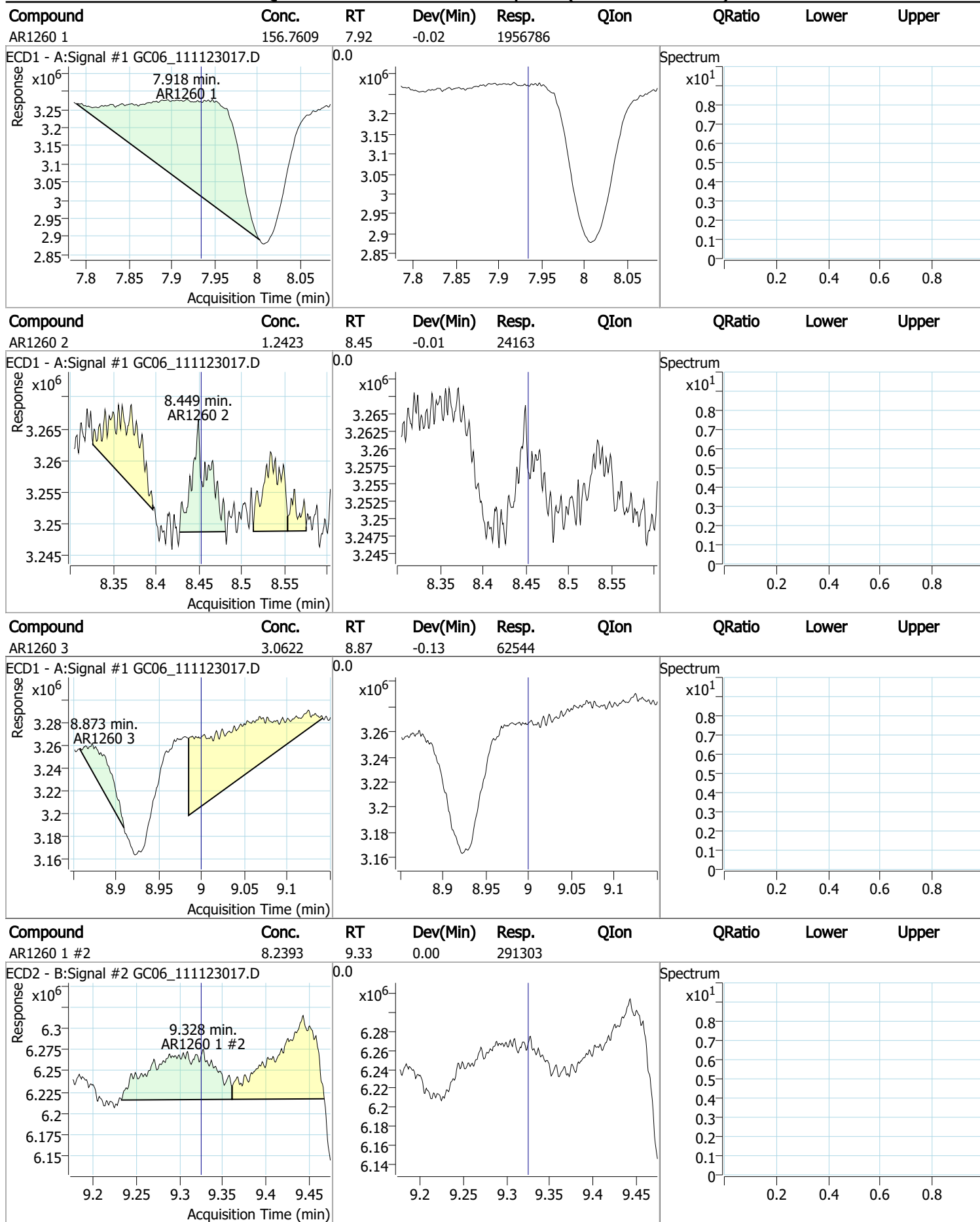
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4	N.D.	5.89		



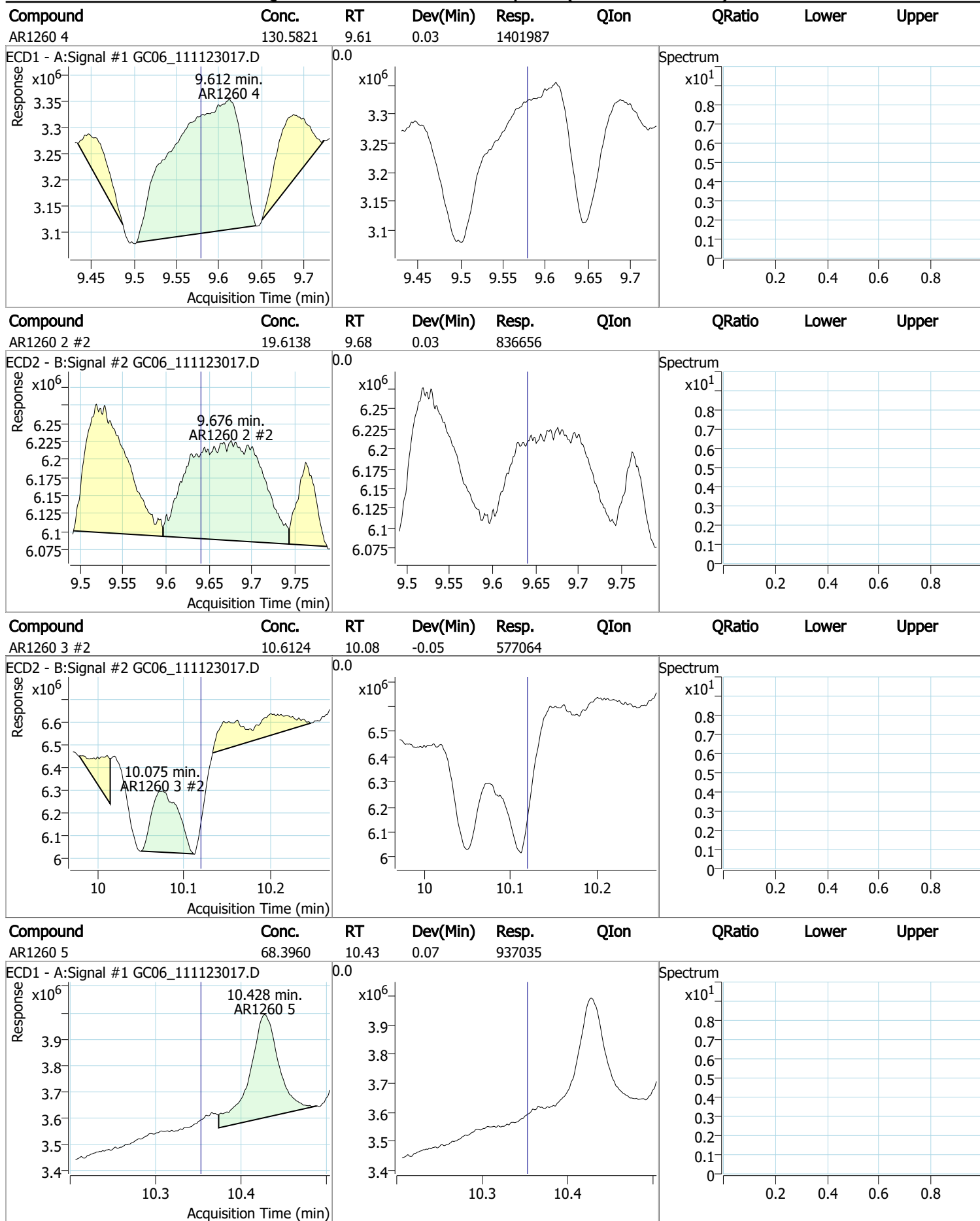
Quantitation Results Report (Not Reviewed)



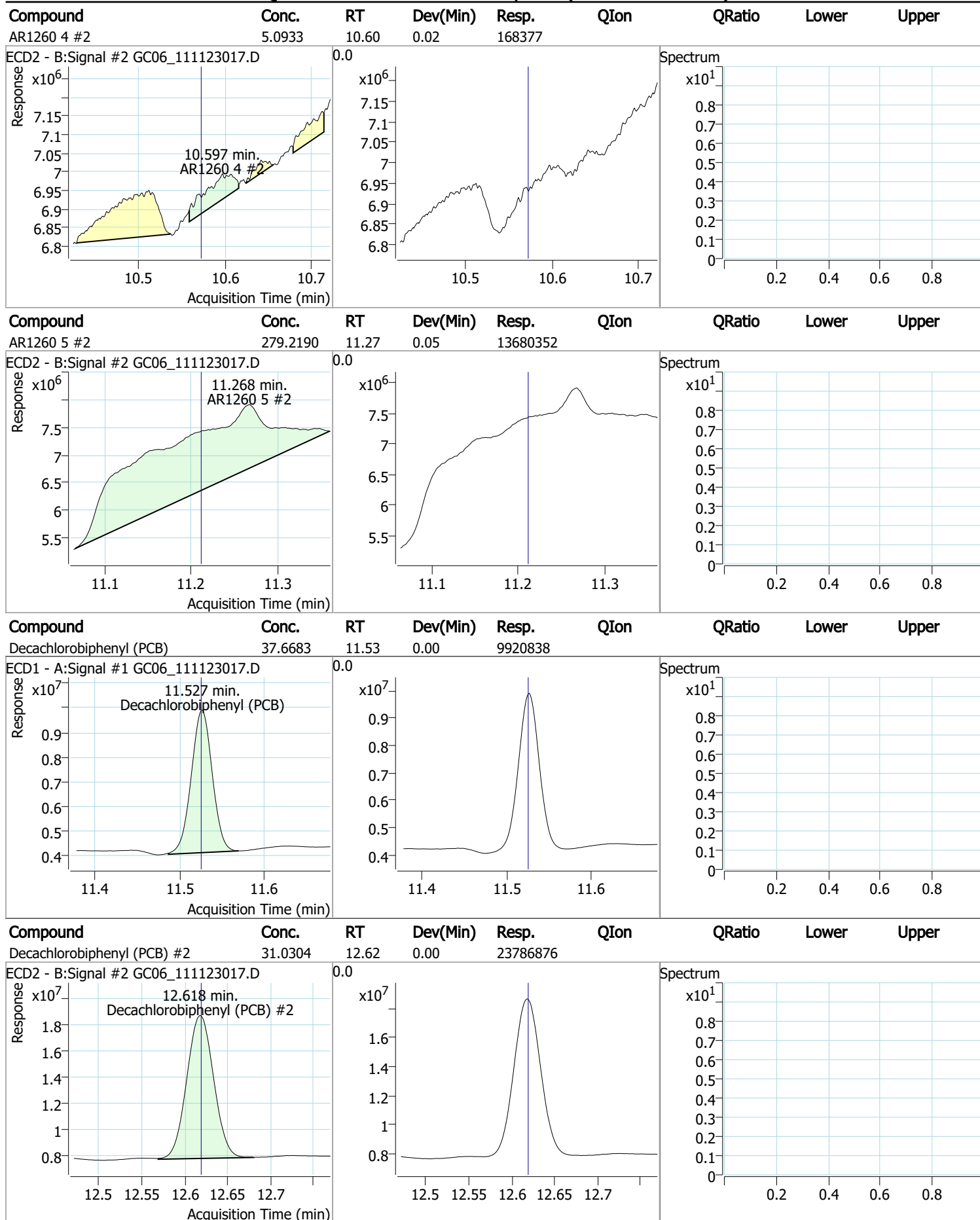
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-004	Client ID: ARCH-C13E-EXT-1 TO 2-231109-P-WF
Seqnum: 453454429018	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123018	Batch: 326371	Time: 11-NOV-2023 18:49
Cal: 453416704002	Caldate: 16-OCT-2023	
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	Blank	Flags
Aroclor-1016	B	42.94	ND	0.98	78%	0.50		u
Aroclor-1016 Peak # 1	B	113.3	1.13	1.59	34%			
Aroclor-1016 Peak # 2	B	49.82	0.50	0.58	16%			
Aroclor-1016 Peak # 3	B	42.90	0.43	0.50	16%			
Aroclor-1016 Peak # 4	B	7.284	0.07	2.10	187%			
Aroclor-1016 Peak # 5	B	1.348	0.01	0.13	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	62.53	0.63 FP	0.80	24%	0.50		x u
Aroclor-1260 Peak # 1	B	17.37	0.17	1.67	162%			
Aroclor-1260 Peak # 2	B	16.74	0.17	0.02	150%			
Aroclor-1260 Peak # 3	B	10.99	0.11	0.04	94%			
Aroclor-1260 Peak # 4	B	2.574	0.03	1.57	194%			
Aroclor-1260 Peak # 5	B	265.0	2.65	0.69	117%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.67	0.5000	0.3367	67	19-121	u
Decachlorobiphenyl (PCB)	B	29.36	0.5000	0.2936	59	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	13213100	-2.71
1-bromo-2-nitrobenzene (PCB)	A	4388704	3775817	-13.97

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

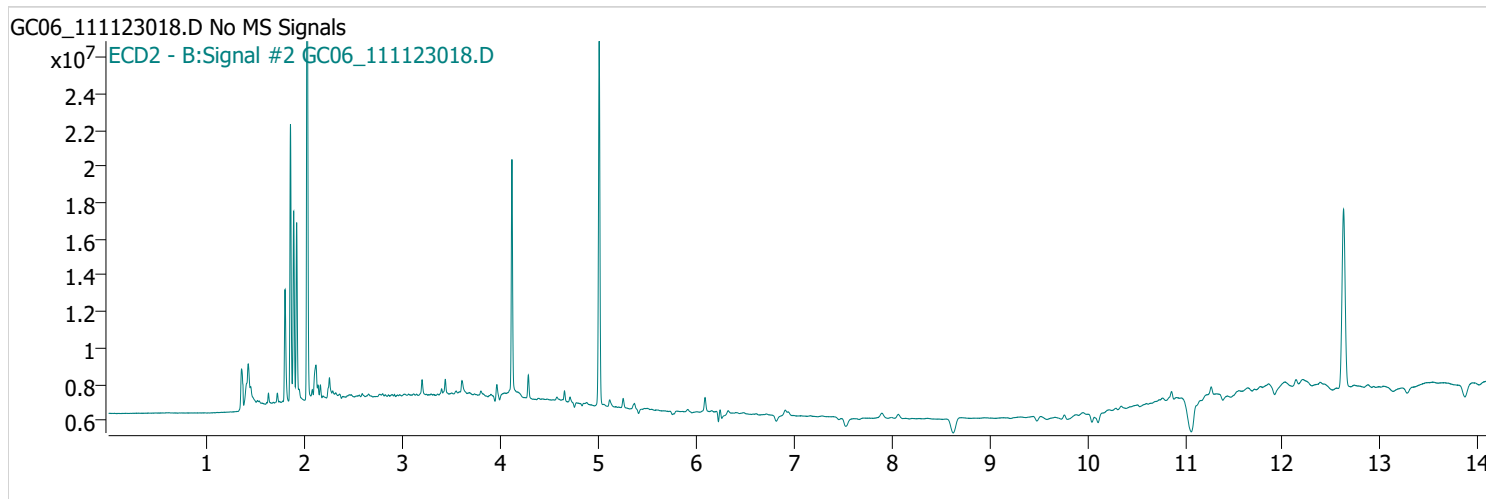
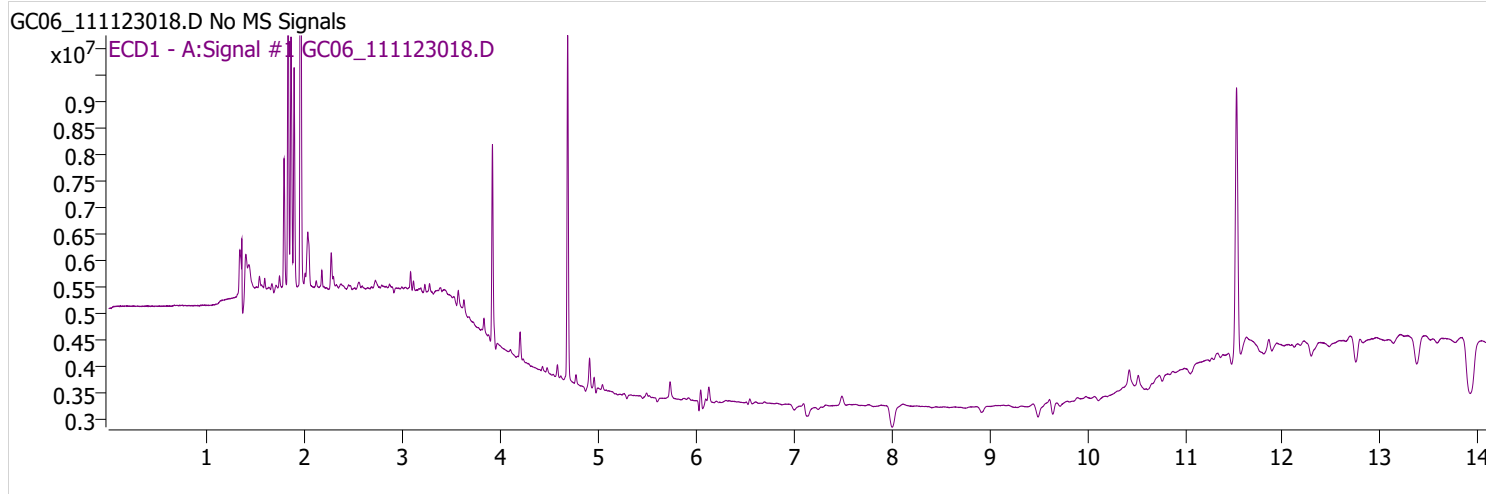
11/13/23 : WIPE/1dm2-10ML

u=use x=false positive

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_111123018.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 6:49:52 PM
Sample Name	495753-004, 326371, 1	Instrument	SVOA-GC06
Vial	7	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	3775816.55 9	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	13213099.8 29	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.692	0.0	6384854.85 5	33.9868	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.93%	*	
S TCMX (PCB) #2	5.014	0.0	20910380.5 49	33.6666	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.33%	*	
S Decachlorobiphenyl (PCB)	11.527	0.0	8980580.14 4	37.2849	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.42%	*	
S Decachlorobiphenyl (PCB) #2	12.621	0.0	22265847.5 96	29.3565	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.78%		

Target Compounds

QValue

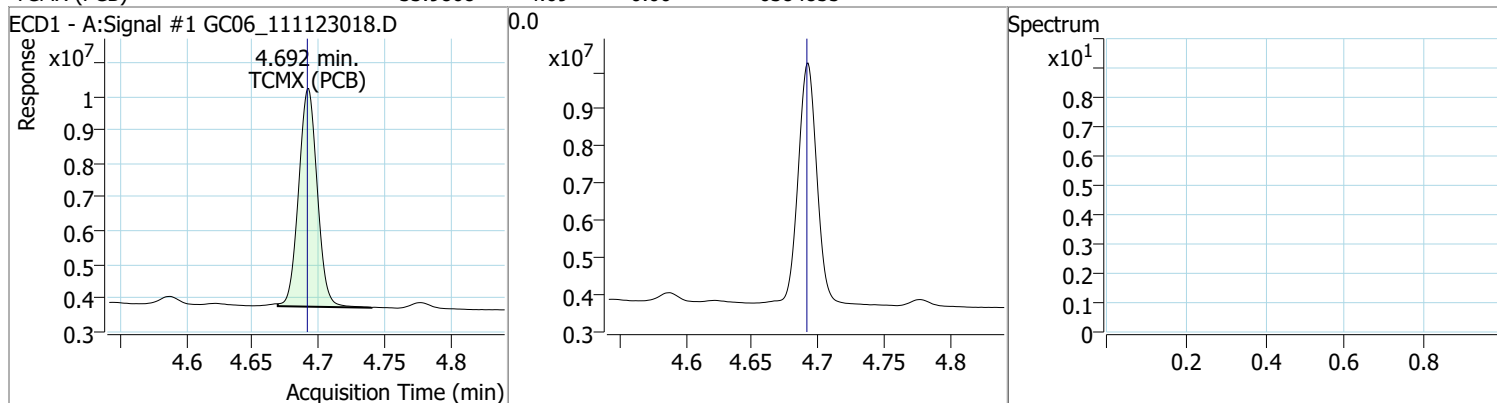
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.048	0.0	652895.484	159.3166	ng/ml	100
T AR1016 2	5.341	0.0	479018.328	58.2372	ng/ml	100
T AR1016 1 #2	5.503	0.0	1384621.453	113.3261	ng/ml	100
T AR1016 3	5.738	0.0	501649.713	50.3956	ng/ml	100
T AR1016 2 #2	5.919	0.0	1270363.345	49.8221	ng/ml	100
T AR1016 4	5.928	0.0	1383484.369	210.0030	ng/ml	100
T AR1016 5	6.309	0.0	77760.320	13.1167	ng/ml	100
T AR1016 3 #2	6.333	0.0	1455478.296	42.8972	ng/ml	100
T AR1016 4 #2	6.493	0.0	166028.791	7.2841	ng/ml	100
T AR1016 5 #2	7.078	0.0	25392.458	1.3485	ng/ml	100
T AR1260 1	7.897	0.0	1907925.618	167.1309	ng/ml	100
T AR1260 2	8.453	0.0	42120.369	2.3679	ng/ml	100
T AR1260 3	8.868	0.0	73672.913	3.9441	ng/ml	100
T AR1260 1 #2	9.323	0.0	607646.415	17.3704	ng/ml	100
T AR1260 4	9.615	0.0	1538331.284	156.6716	ng/ml	100
T AR1260 2 #2	9.670	0.0	706563.020	16.7410	ng/ml	100
T AR1260 3 #2	10.073	0.0	591341.220	10.9912	ng/ml	100
T AR1260 5	10.430	0.0	866780.190	69.1807	ng/ml	100
T AR1260 4 #2	10.604	0.0	84203.288	2.5743	ng/ml	100
T AR1260 5 #2	11.268	0.0	12845349.233	264.9772	ng/ml	100

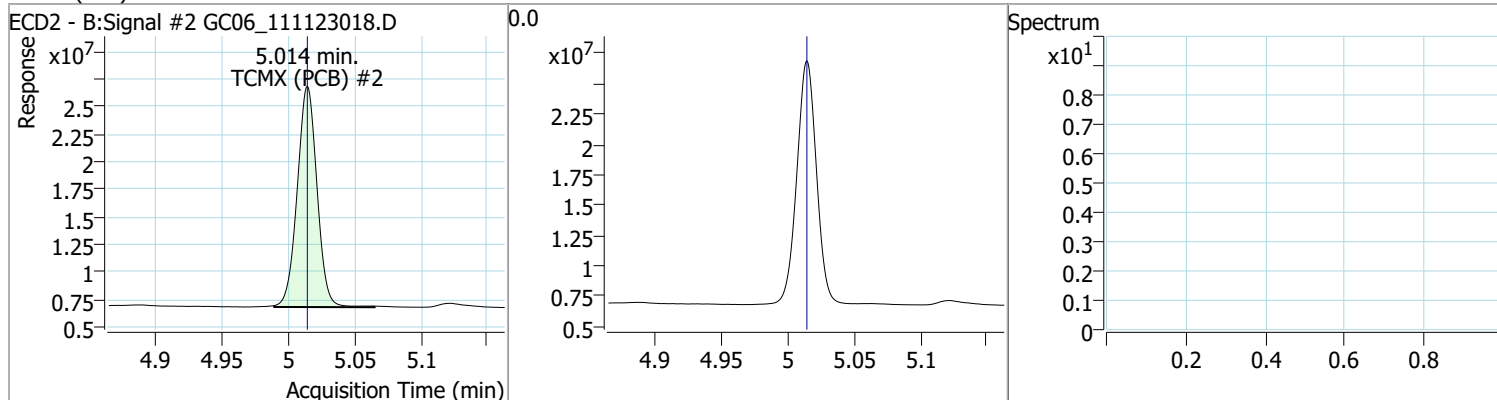
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

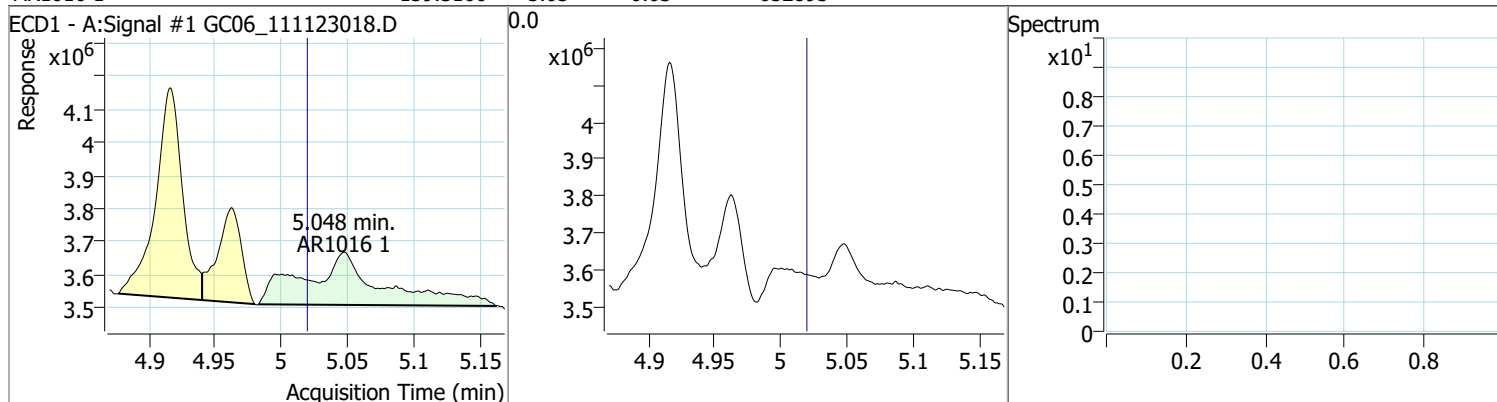
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.9868	4.69	0.00	6384855				



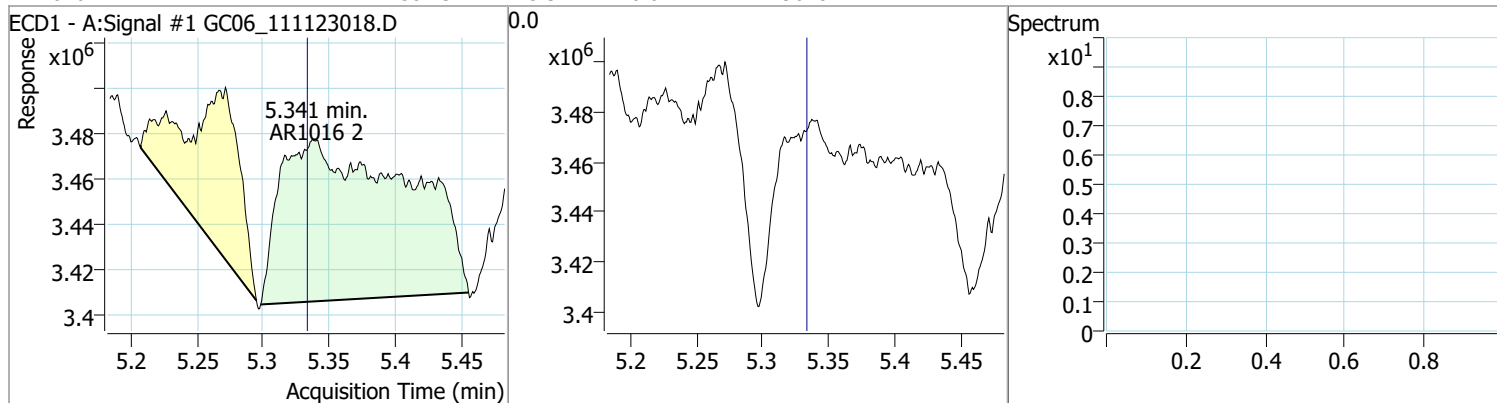
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.6666	5.01	0.00	20910381				



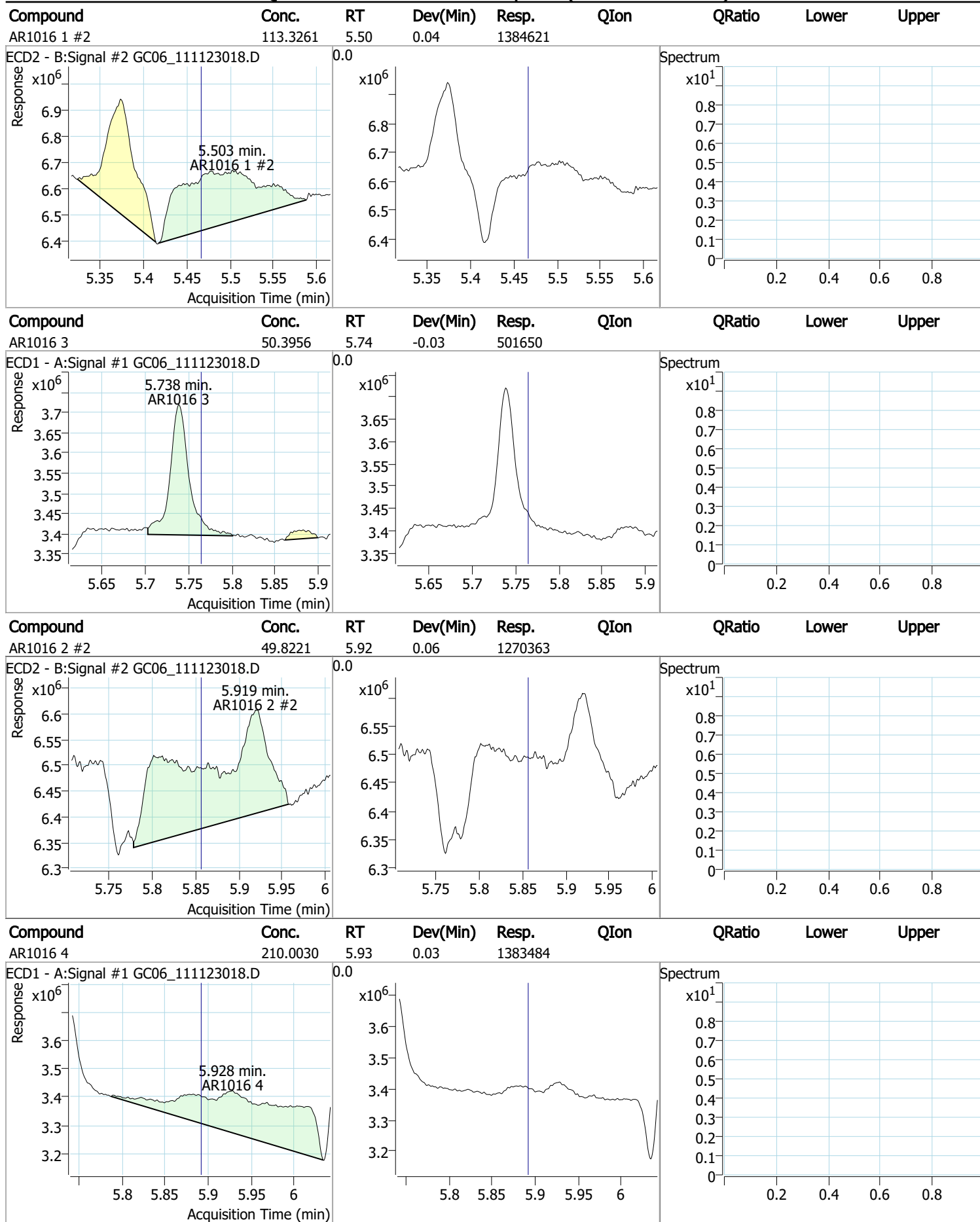
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	159.3166	5.05	0.03	652895				



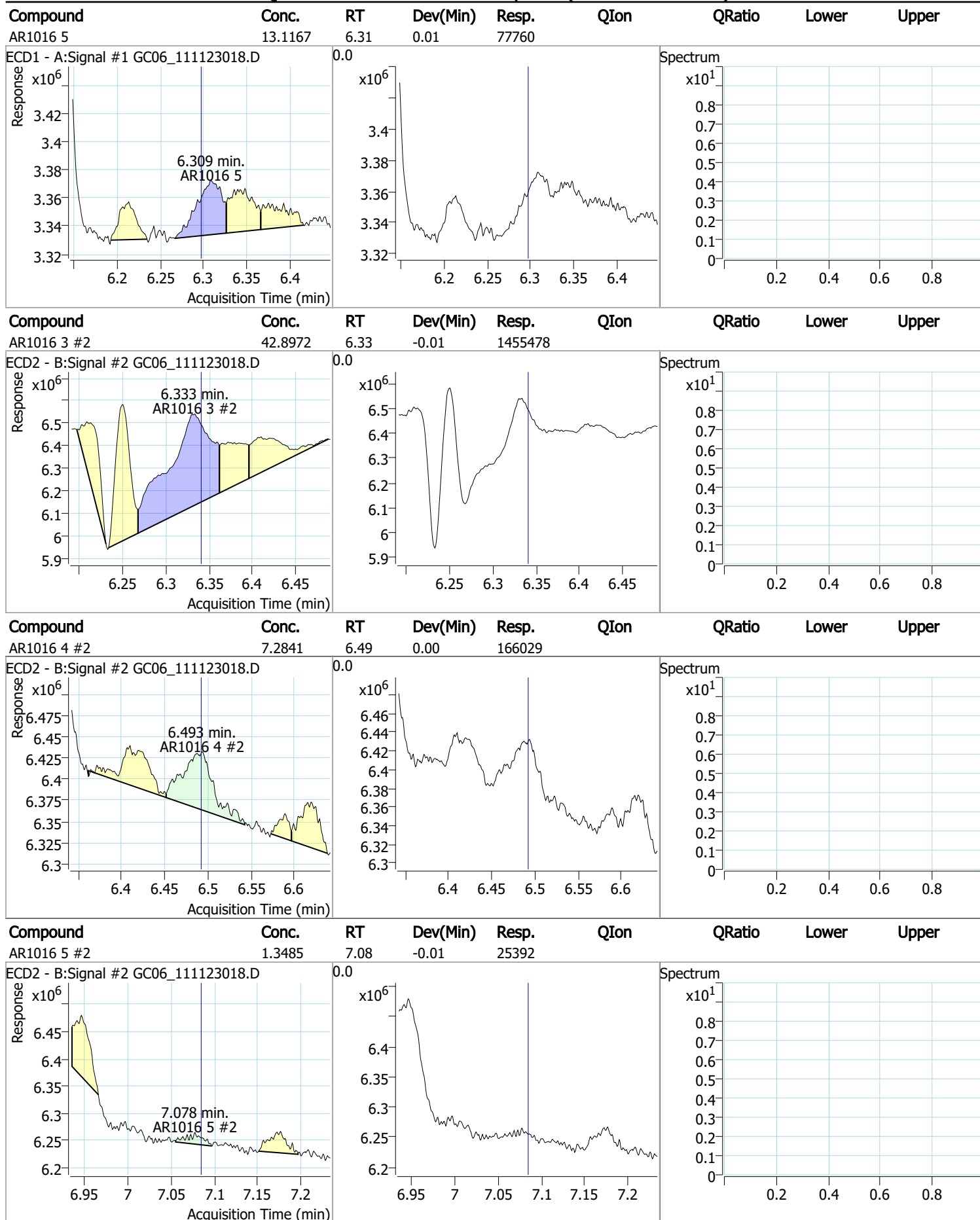
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	58.2372	5.34	0.01	479018				



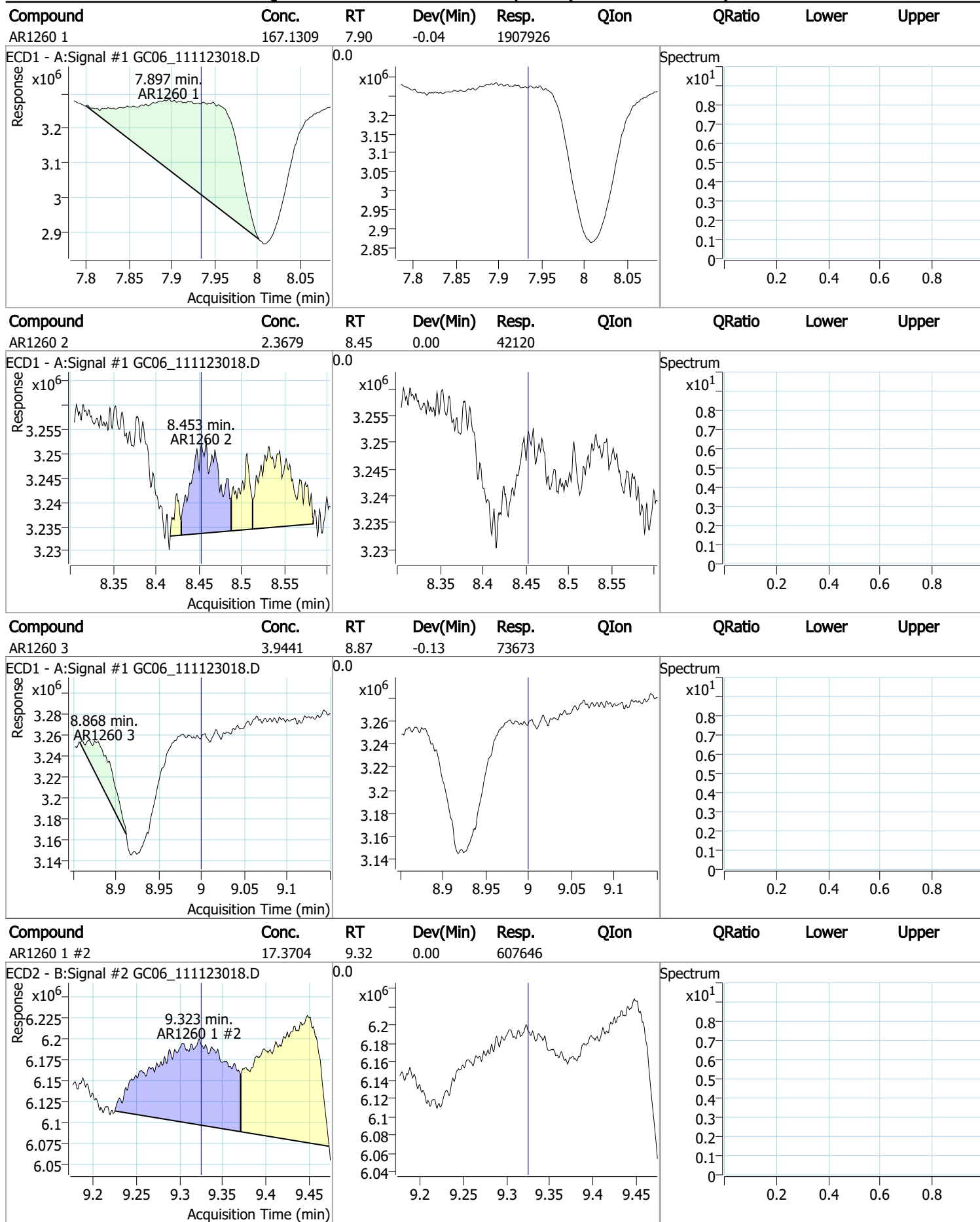
Quantitation Results Report (Not Reviewed)



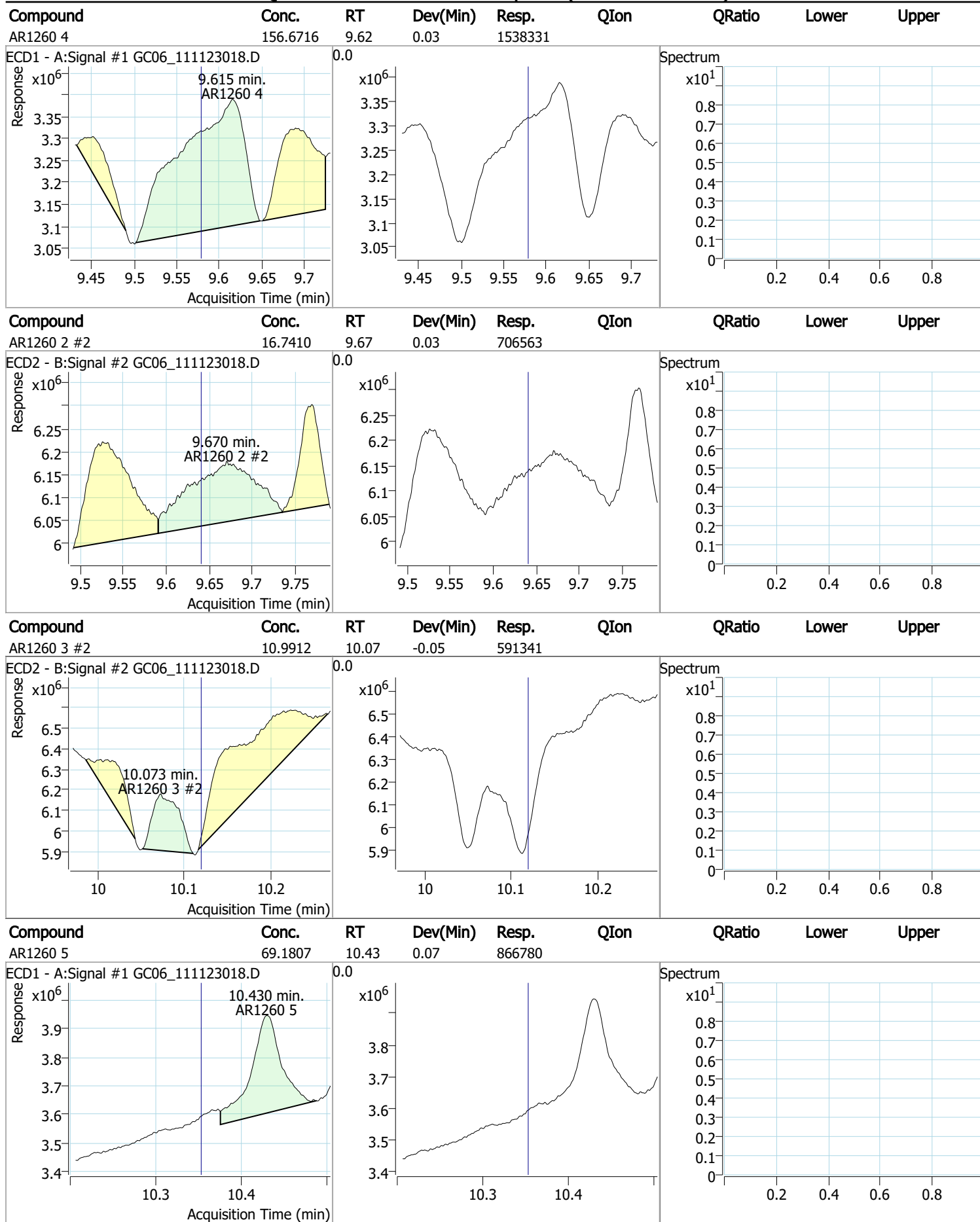
Quantitation Results Report (Not Reviewed)



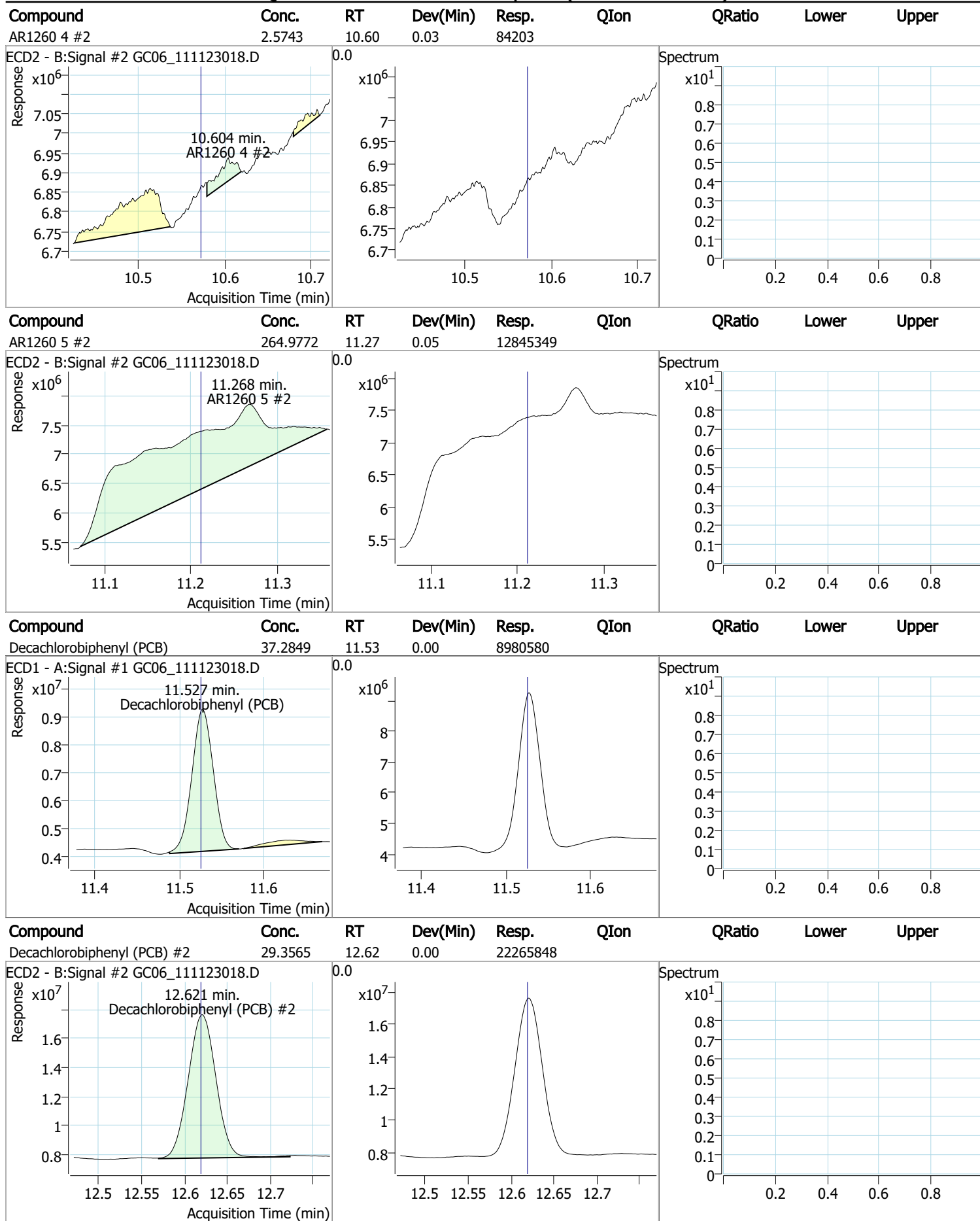
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-006	Client ID: ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-LA
Seqnum: 453454429019	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123019	Batch: 326371	Time: 11-NOV-2023 19:08
Cal: 453416704002	Caldate: 16-OCT-2023	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

- 1.09 dm2 $\Rightarrow$ 10.0 ml = 9.151 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	39.43	ND	0.73	68%	0.46		u
Aroclor-1016 Peak # 1	B	114.9	1.05	1.80	53%			
Aroclor-1016 Peak # 2	B	11.60	0.11	0.76	151%			
Aroclor-1016 Peak # 3	B	61.19	0.56	0.97	54%			
Aroclor-1016 Peak # 4	B	8.535	0.08	0.04	66%			
Aroclor-1016 Peak # 5	B	0.9702	0.01	0.09	165%			
Aroclor-1221	B		ND			0.46		u
Aroclor-1232	B		ND			0.46		u
Aroclor-1242	B		ND			0.46		u
Aroclor-1248	B		ND			0.46		u
Aroclor-1254	B		ND			0.46		u
Aroclor-1260	B	62.89	0.58 FP	0.82	35%	0.46		x u
Aroclor-1260 Peak # 1	B	17.50	0.16	1.57	163%			
Aroclor-1260 Peak # 2	B	17.69	0.16	0.03	146%			
Aroclor-1260 Peak # 3	B	10.09	0.09	0.19	70%			
Aroclor-1260 Peak # 4	B	6.583	0.06	1.55	185%			
Aroclor-1260 Peak # 5	B	262.6	2.40	0.78	102%			
Aroclor-1262	B		ND			0.46		u
Aroclor-1268	B		ND			0.46		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.20	0.4576	0.3313	72	19-121	u
Decachlorobiphenyl (PCB)	B	28.24	0.4576	0.2585	56	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	13822694	1.77
1-bromo-2-nitrobenzene (PCB)	A	4388704	3840123	-12.50

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

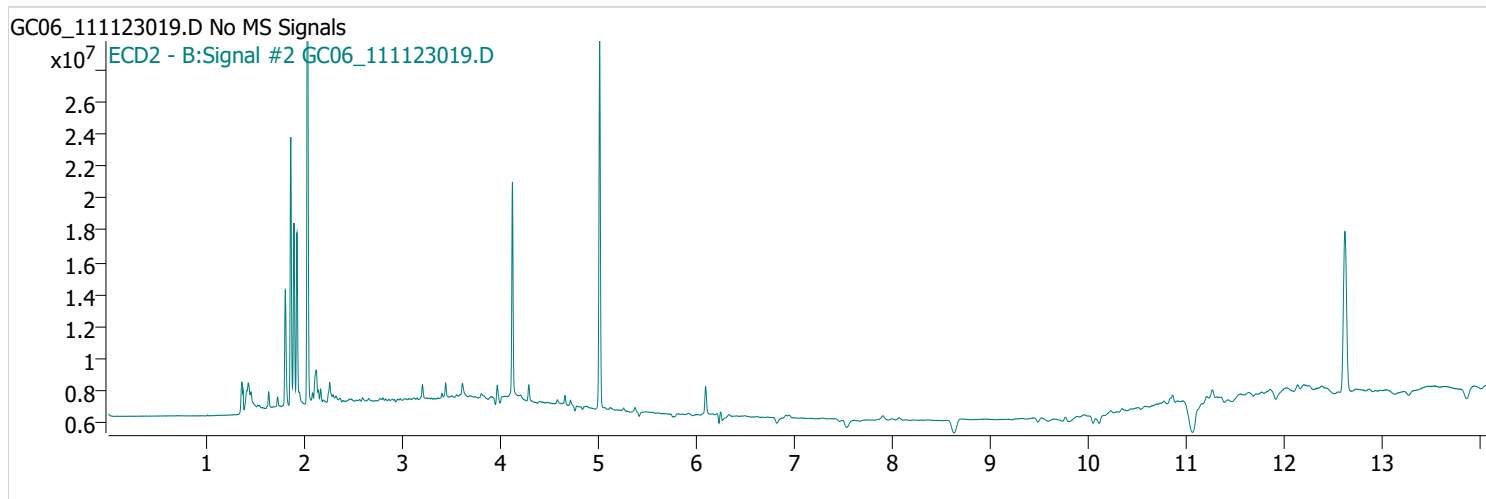
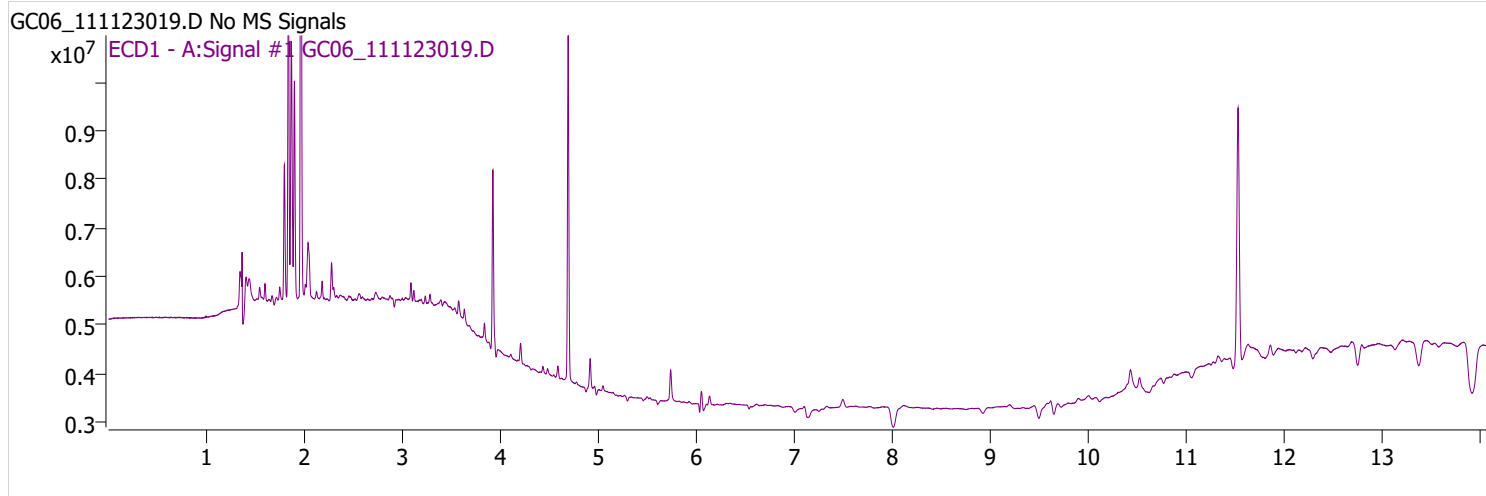
11/13/23 : WIPE/1dm2-10ML

u=use x=false positive

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_111123019.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 7:08:08 PM
Sample Name	495753-006, 326371, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	3840122.72 7	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	13822693.8 02	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.692	0.0	7073375.50 9	37.0214	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.11%	*	
S TCMX (PCB) #2	5.013	0.0	23522002.3 86	36.2012	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.01%	*	
S Decachlorobiphenyl (PCB)	11.529	0.0	9222052.61 2	37.6463	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.23%	*	
S Decachlorobiphenyl (PCB) #2	12.619	0.0	22409763.6 94	28.2432	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 141.22%		

Target Compounds

QValue

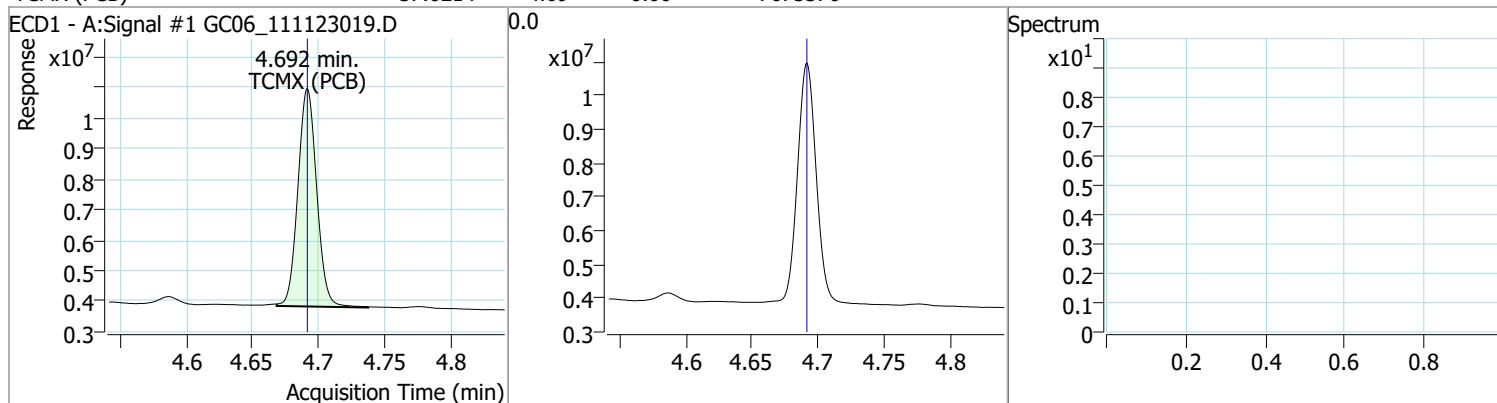
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.047	0.0	821053.777	196.9948	ng/ml	100
T AR1016 2	5.342	0.0	699100.116	83.5706	ng/ml	100
T AR1016 1 #2	5.473	0.0	1468297.098	114.8749	ng/ml	100
T AR1016 3	5.738	0.0	1072923.166	105.9805	ng/ml	100
T AR1016 2 #2	5.857	0.0	309476.526	11.6020	ng/ml	100
T AR1016 4	5.872	0.0	28756.158	4.2919	ng/ml	100
T AR1016 5	6.308	0.0	60852.266	10.0928	ng/ml	100
T AR1016 3 #2	6.333	0.0	2171801.375	61.1865	ng/ml	100
T AR1016 4 #2	6.491	0.0	203517.445	8.5351	ng/ml	100
T AR1016 5 #2	7.072	0.0	19112.897	0.9702	ng/ml	100
T AR1260 1	7.907	0.0	1990434.147	171.4387	ng/ml	100
T AR1260 2	8.451	0.0	50352.547	2.7832	ng/ml	100
T AR1260 3	9.113	0.0	399929.462	21.0521	ng/ml	100
T AR1260 1 #2	9.322	0.0	640271.065	17.4958	ng/ml	100
T AR1260 4	9.614	0.0	1687373.231	168.9730	ng/ml	100
T AR1260 2 #2	9.647	0.0	781084.334	17.6905	ng/ml	100
T AR1260 3 #2	10.071	0.0	567783.575	10.0879	ng/ml	100
T AR1260 5	10.431	0.0	1091369.704	85.6473	ng/ml	100
T AR1260 4 #2	10.580	0.0	225245.696	6.5826	ng/ml	100
T AR1260 5 #2	11.267	0.0	13317146.288	262.5946	ng/ml	100

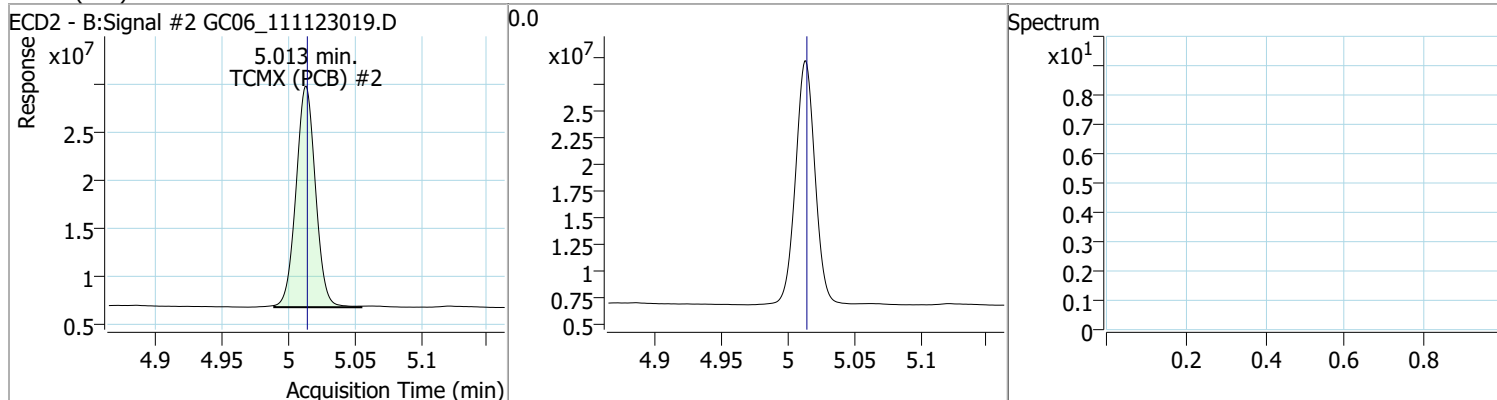
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

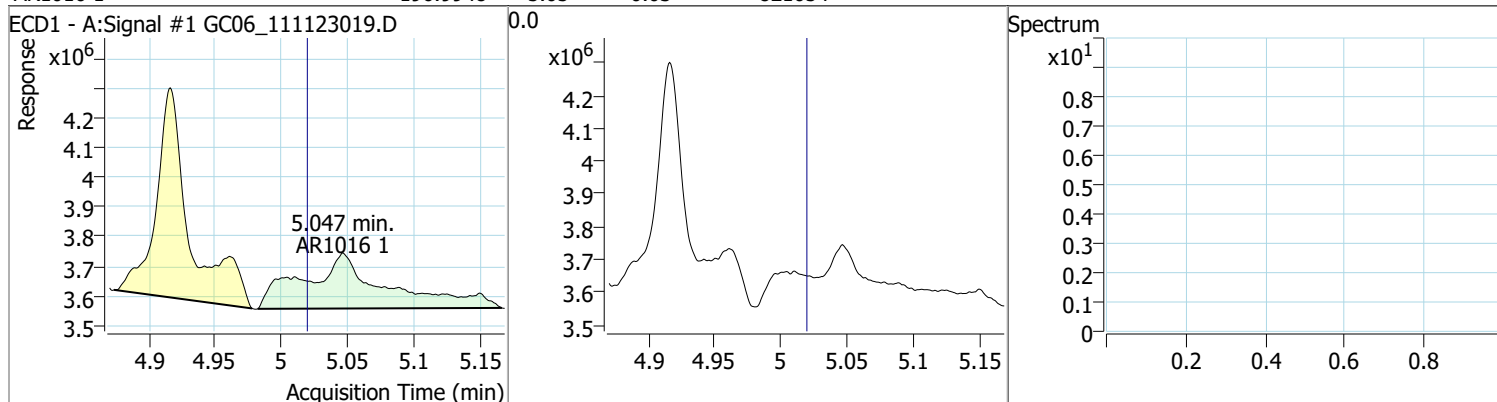
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.0214	4.69	0.00	7073376				



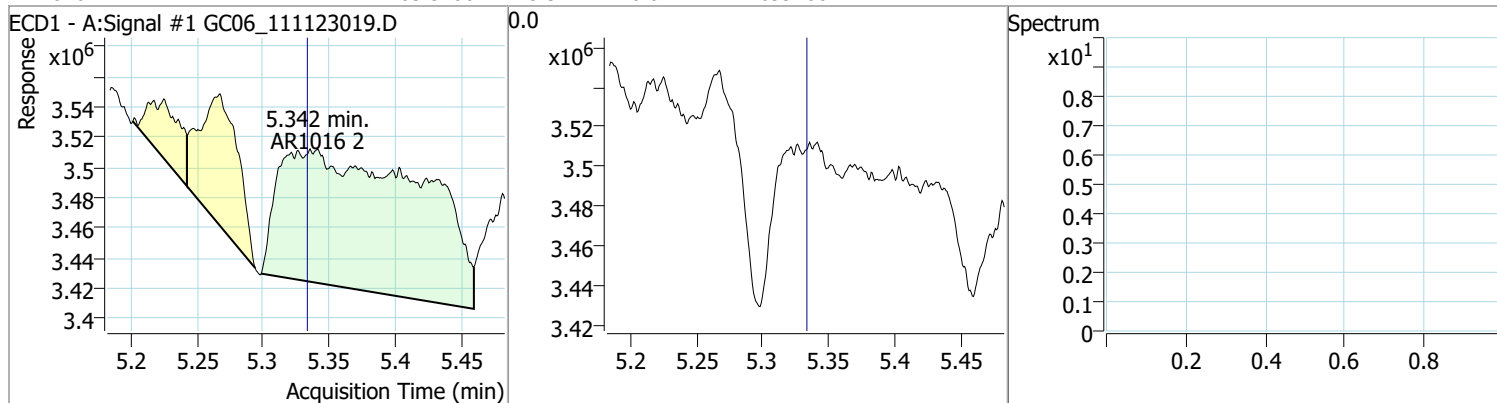
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.2012	5.01	0.00	23522002				



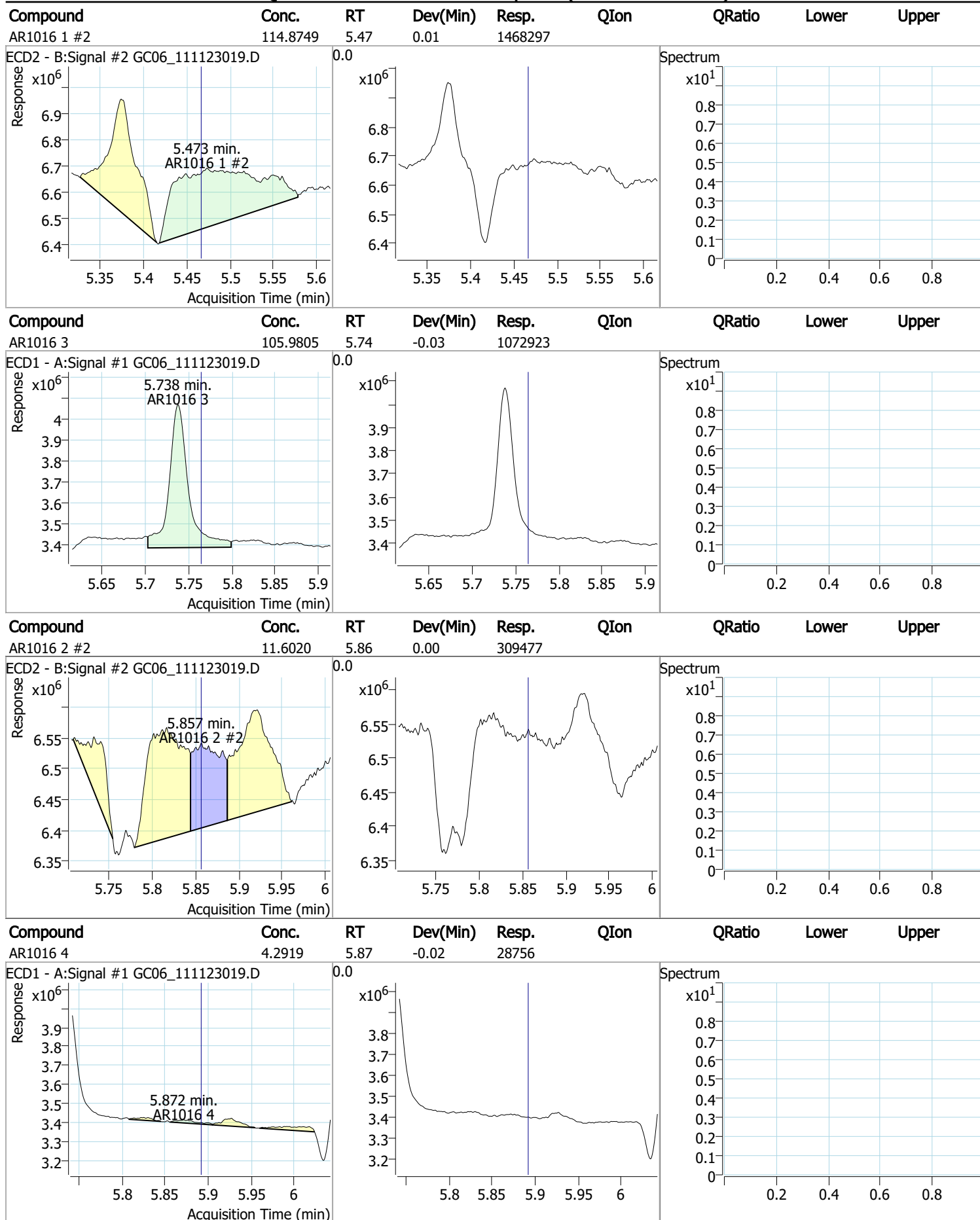
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	196.9948	5.05	0.03	821054				



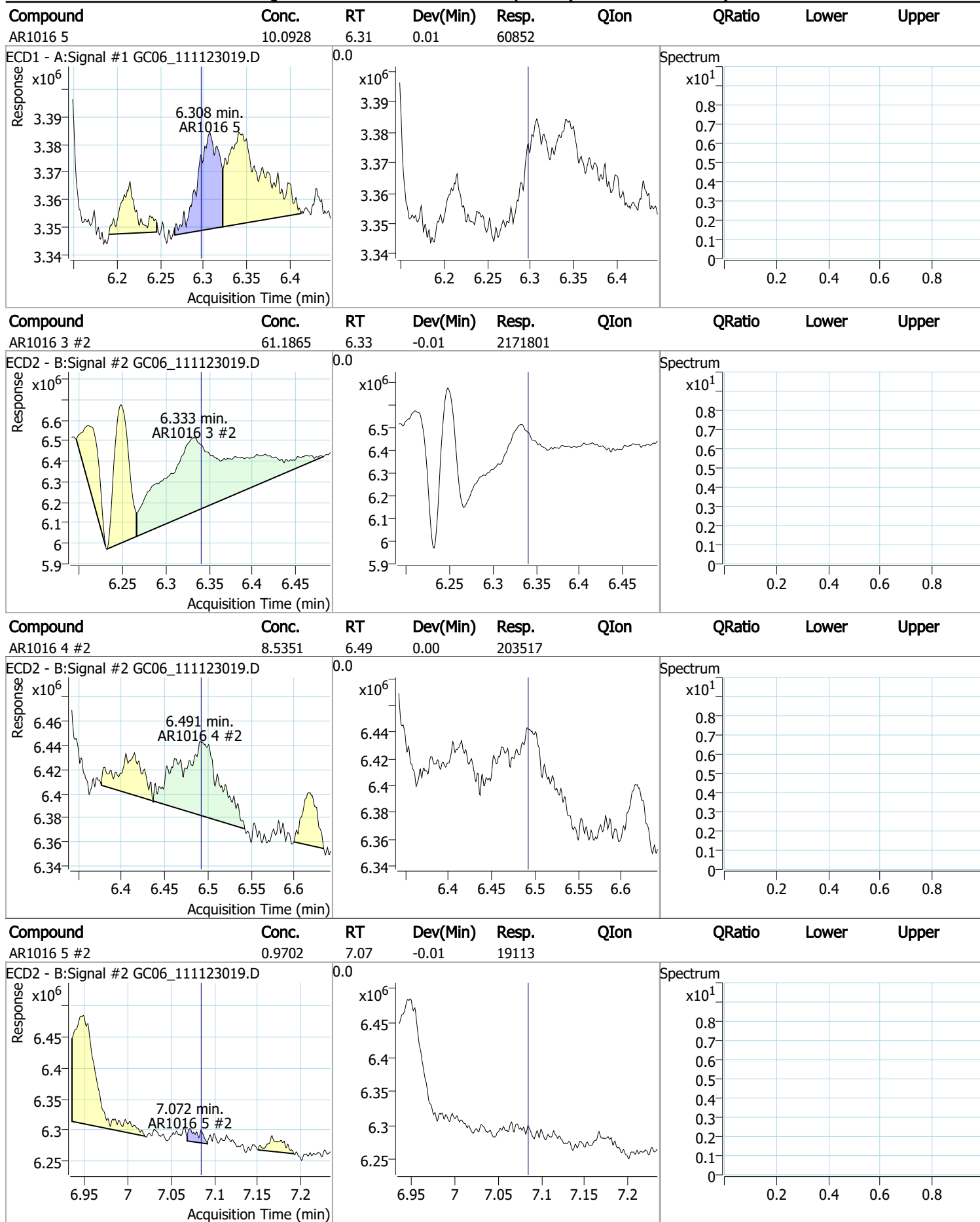
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	83.5706	5.34	0.01	699100				



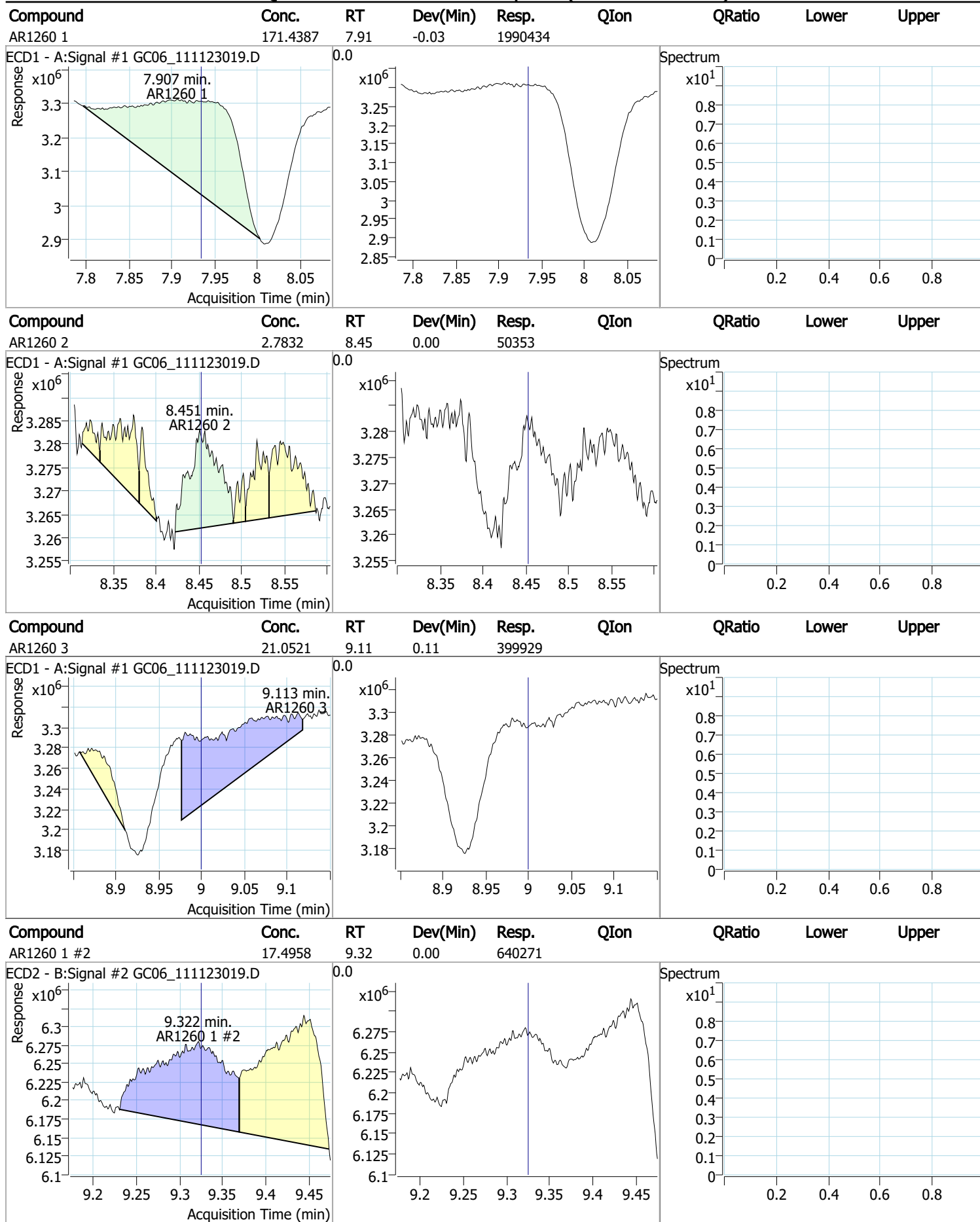
Quantitation Results Report (Not Reviewed)



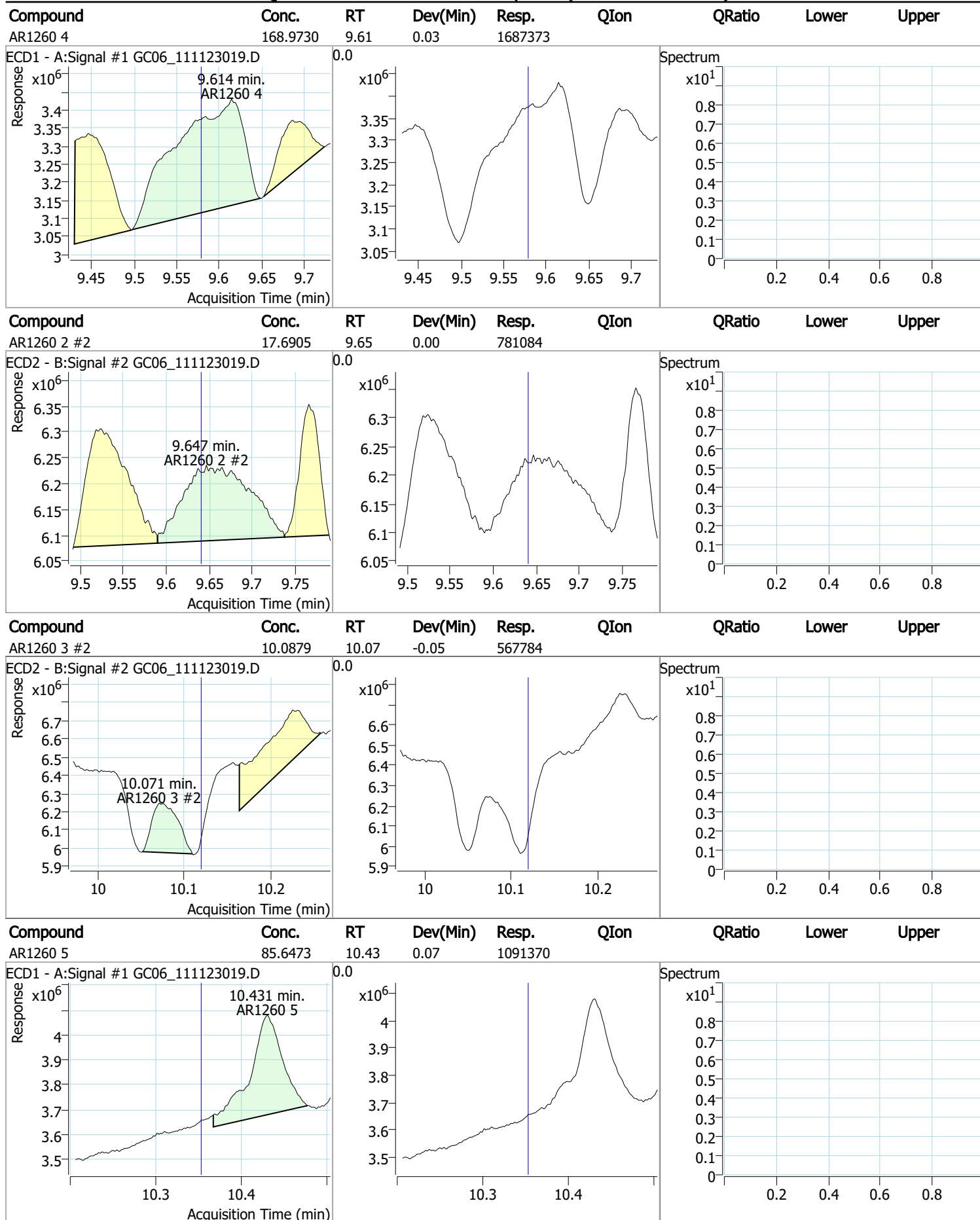
Quantitation Results Report (Not Reviewed)



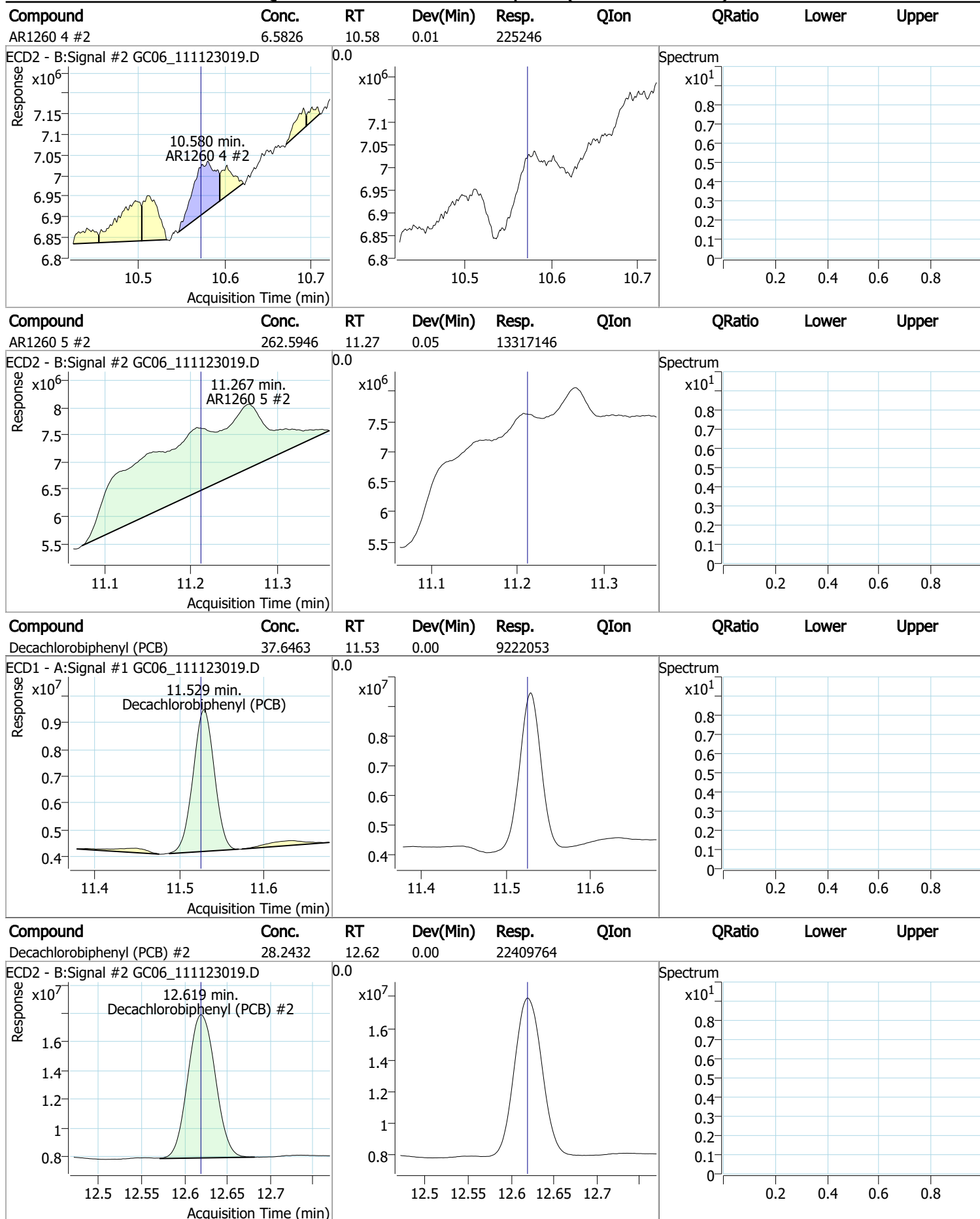
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-007	Client ID: ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-DUP-LA
Seqnum: 453454429020	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123020	Batch: 326371	Time: 11-NOV-2023 19:26
Cal: 453416704002	Caldate: 16-OCT-2023	
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	Blank	Flags
Aroclor-1016	B	80.56	0.81 FP	1.1	35%	0.50		x u
Aroclor-1016 Peak # 1	B	265.2	2.65	3.64	32%			
Aroclor-1016 Peak # 2	B	89.28	0.89	1.04	15%			
Aroclor-1016 Peak # 3	B	39.09	0.39	0.81	70%			
Aroclor-1016 Peak # 4	B	7.294	0.07	0.10	33%			
Aroclor-1016 Peak # 5	B	1.910	0.02	0.14	151%			
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	61.46	0.61 FP	0.87	35%	0.50		x u
Aroclor-1260 Peak # 1	B	18.59	0.19	1.65	159%			
Aroclor-1260 Peak # 2	B	22.70	0.23	0.03	155%			
Aroclor-1260 Peak # 3	B	10.74	0.11	0.04	93%			
Aroclor-1260 Peak # 4	B	11.52	0.12	1.68	174%			
Aroclor-1260 Peak # 5	B	243.8	2.44	0.97	86%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.49	0.5000	0.3949	79	19-121	u
Decachlorobiphenyl (PCB)	B	31.45	0.5000	0.3145	63	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	14271622	5.08
1-bromo-2-nitrobenzene (PCB)	A	4388704	4065582	-7.36

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

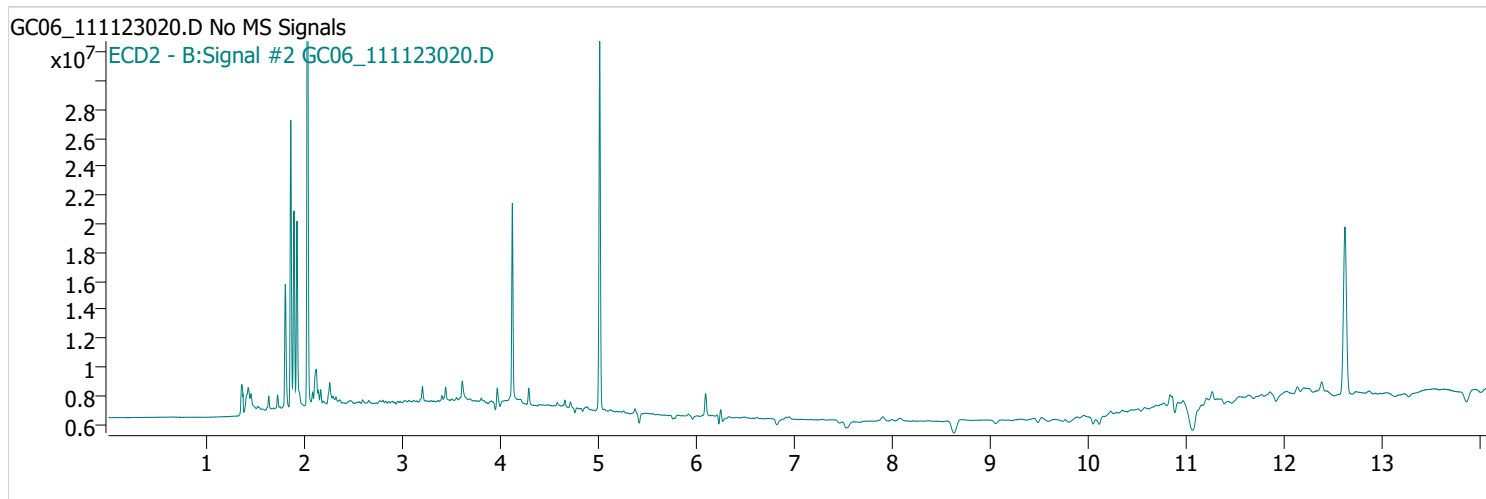
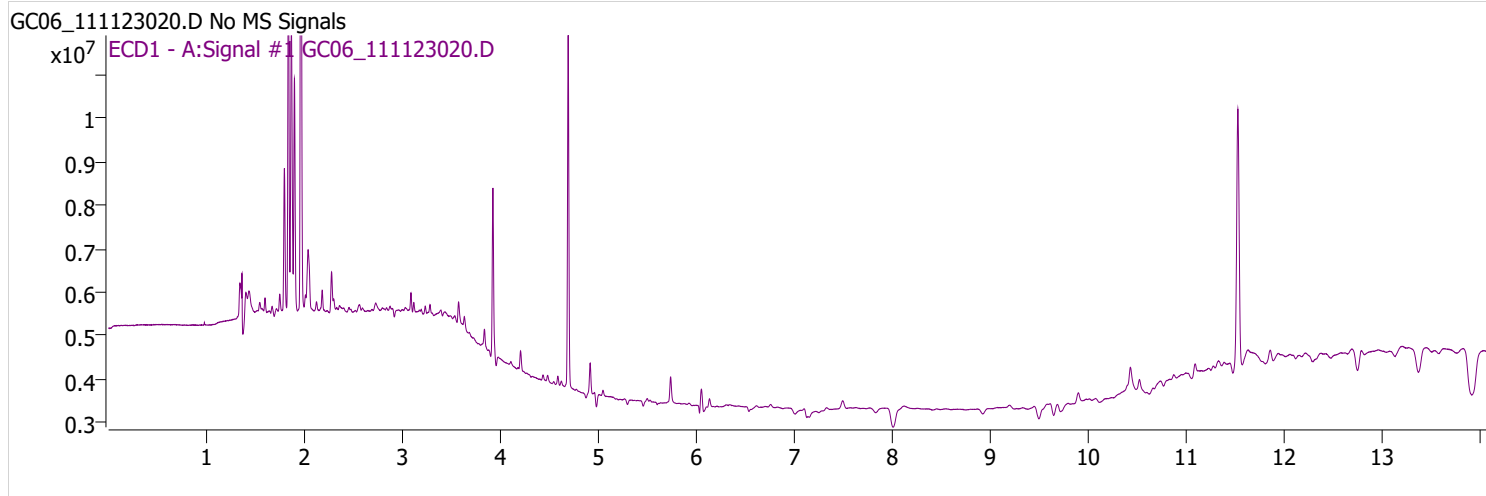
11/13/23 : WIPE/1dm2-10ML

u=use x=false positive

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_111123020.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 7:26:29 PM
Sample Name	495753-007, 326371, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	4065582.09 9	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	14271622.3 04	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.692	0.0	7913569.95 0	39.1219	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.61%	*	
S TCMX (PCB) #2	5.014	0.0	26489794.2 05	39.4863	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.43%	*	
S Decachlorobiphenyl (PCB)	11.528	0.0	10615751.3 53	40.9325	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.66%	*	
S Decachlorobiphenyl (PCB) #2	12.622	0.0	25762994.9 55	31.4480	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.24%	*	

Target Compounds

QValue

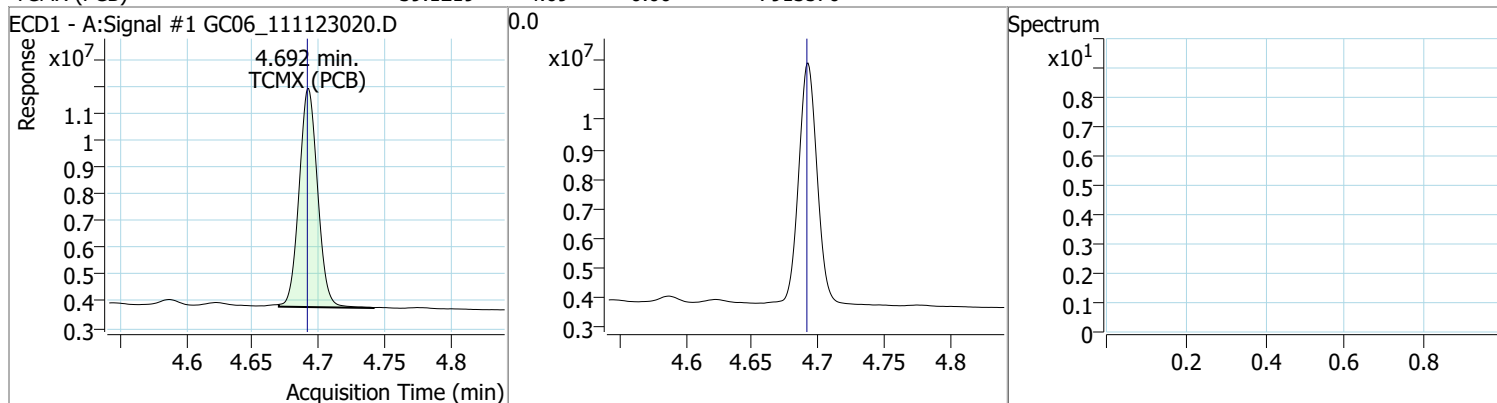
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.048	0.0	1608107.37 7	364.4353	ng/ml	100
T AR1016 2	5.336	0.0	917927.194	103.6441	ng/ml	100
T AR1016 1 #2	5.473	0.0	3500070.89 2	265.2206	ng/ml	100
T AR1016 3	5.738	0.0	869357.347	81.1107	ng/ml	100
T AR1016 2 #2	5.921	0.0	2458811.79 5	89.2792	ng/ml	100
T AR1016 4	5.998	0.0	72080.700	10.1615	ng/ml	100
T AR1016 5	6.302	0.0	86774.143	13.5940	ng/ml	100
T AR1016 3 #2	6.332	0.0	1432543.49 1	39.0897	ng/ml	100
T AR1016 4 #2	6.492	0.0	179585.128	7.2945	ng/ml	100
T AR1016 5 #2	7.074	0.0	38838.179	1.9095	ng/ml	100
T AR1260 1	7.928	0.0	2026786.99 1	164.8890	ng/ml	100
T AR1260 2	8.454	0.0	55486.887	2.8970	ng/ml	100
T AR1260 3	8.865	0.0	78590.712	3.9076	ng/ml	100
T AR1260 1 #2	9.324	0.0	702326.753	18.5878	ng/ml	100
T AR1260 4	9.613	0.0	1779255.36 6	168.2933	ng/ml	100
T AR1260 2 #2	9.648	0.0	1034840.05 0	22.7005	ng/ml	100
T AR1260 3 #2	10.075	0.0	624053.962	10.7389	ng/ml	100
T AR1260 5	10.431	0.0	1312168.78 8	97.2643	ng/ml	100
T AR1260 4 #2	10.579	0.0	406869.569	11.5164	ng/ml	100
T AR1260 5 #2	11.268	0.0	12763929.4 16	243.7690	ng/ml	100

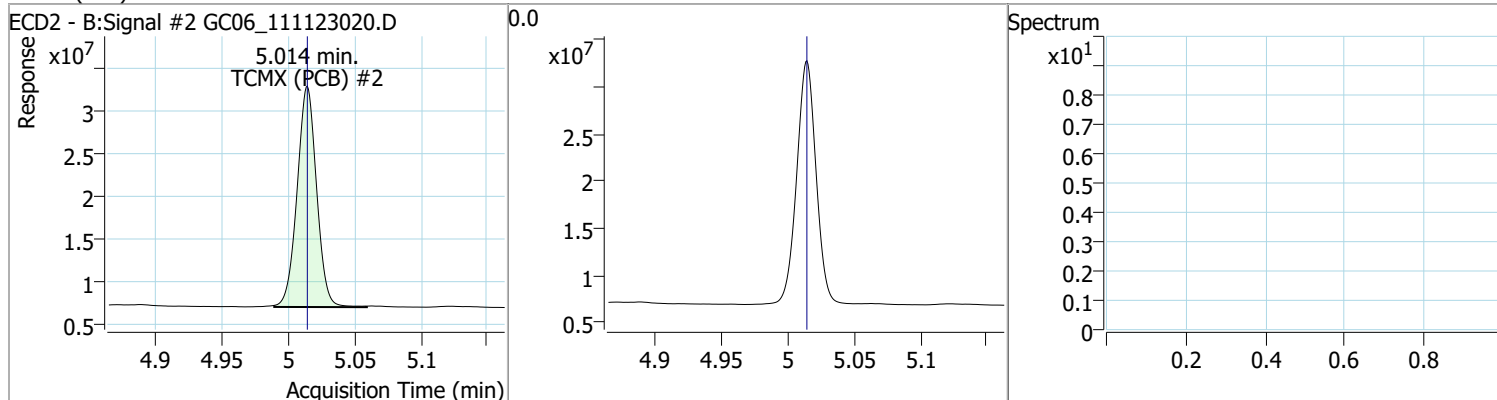
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

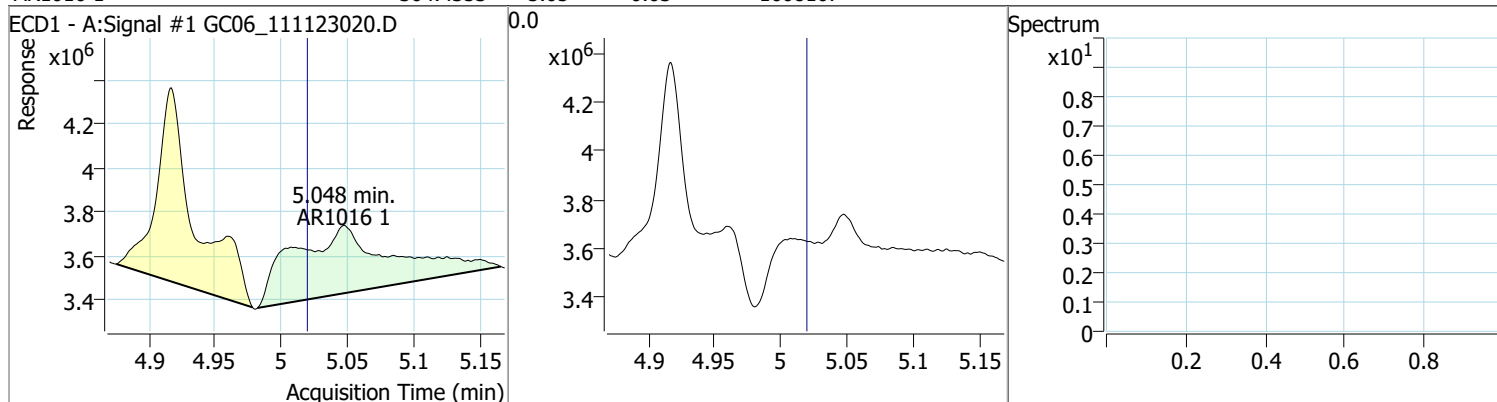
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.1219	4.69	0.00	7913570				



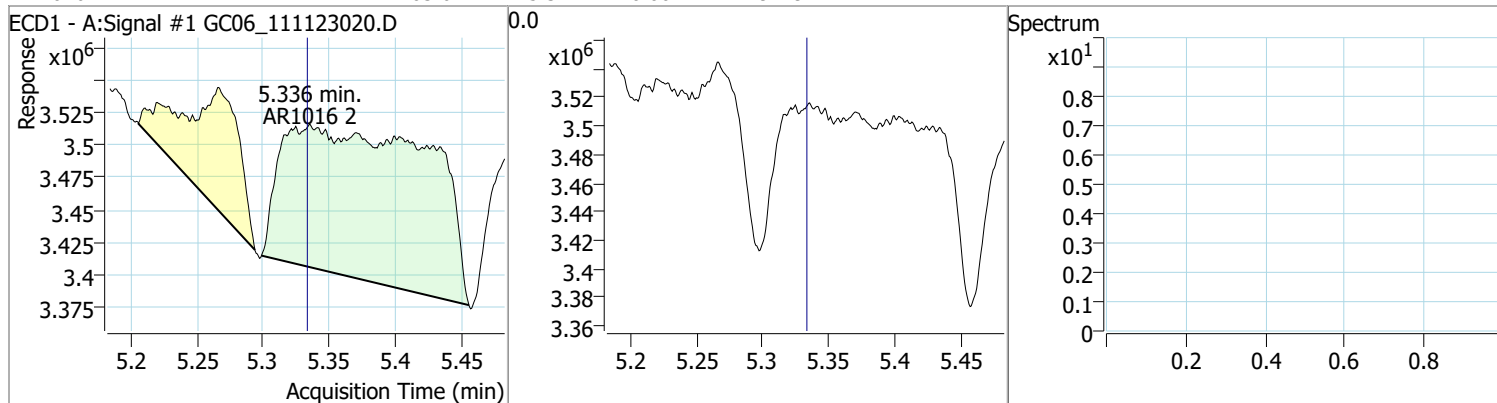
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.4863	5.01	0.00	26489794				



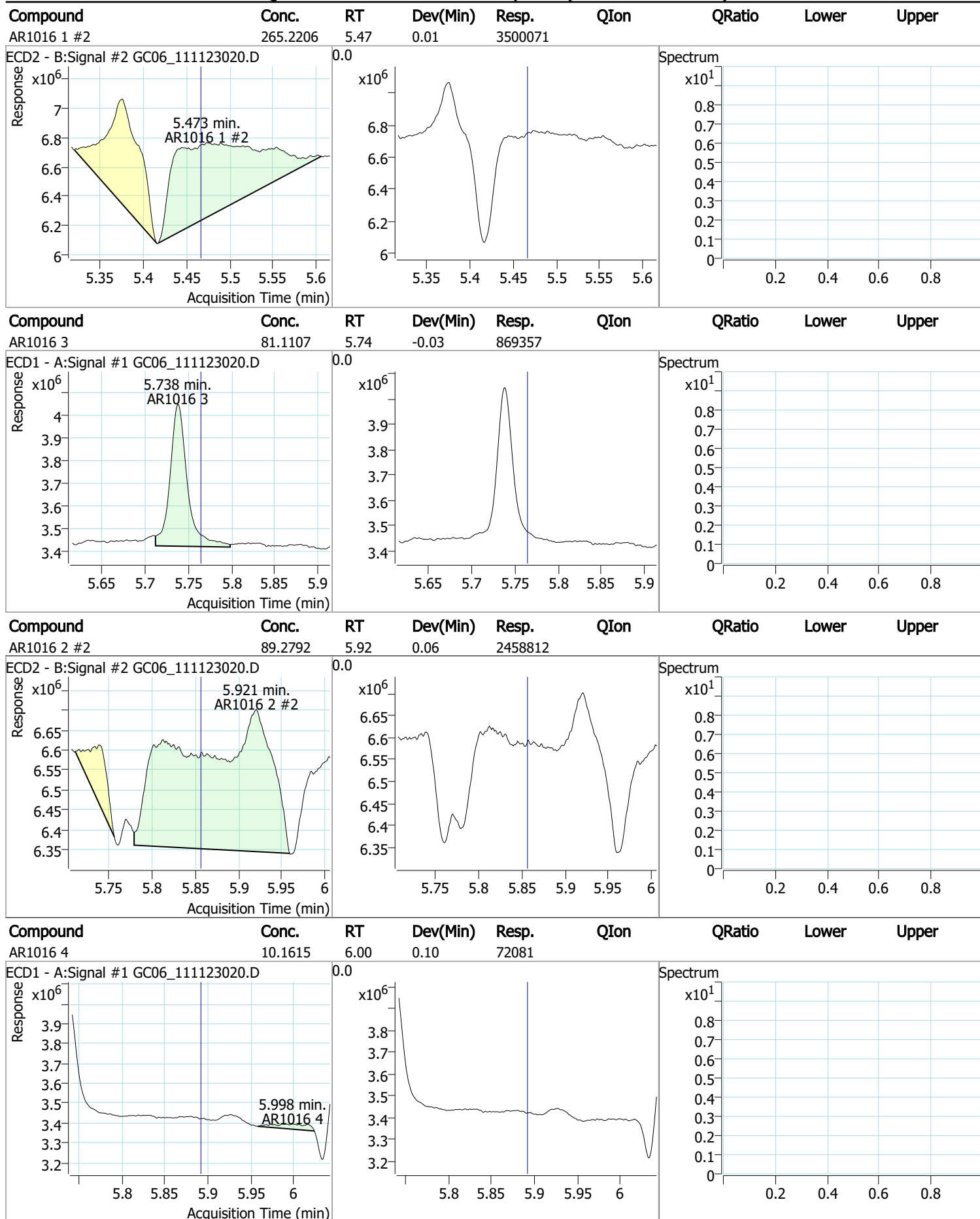
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	364.4353	5.05	0.03	1608107				



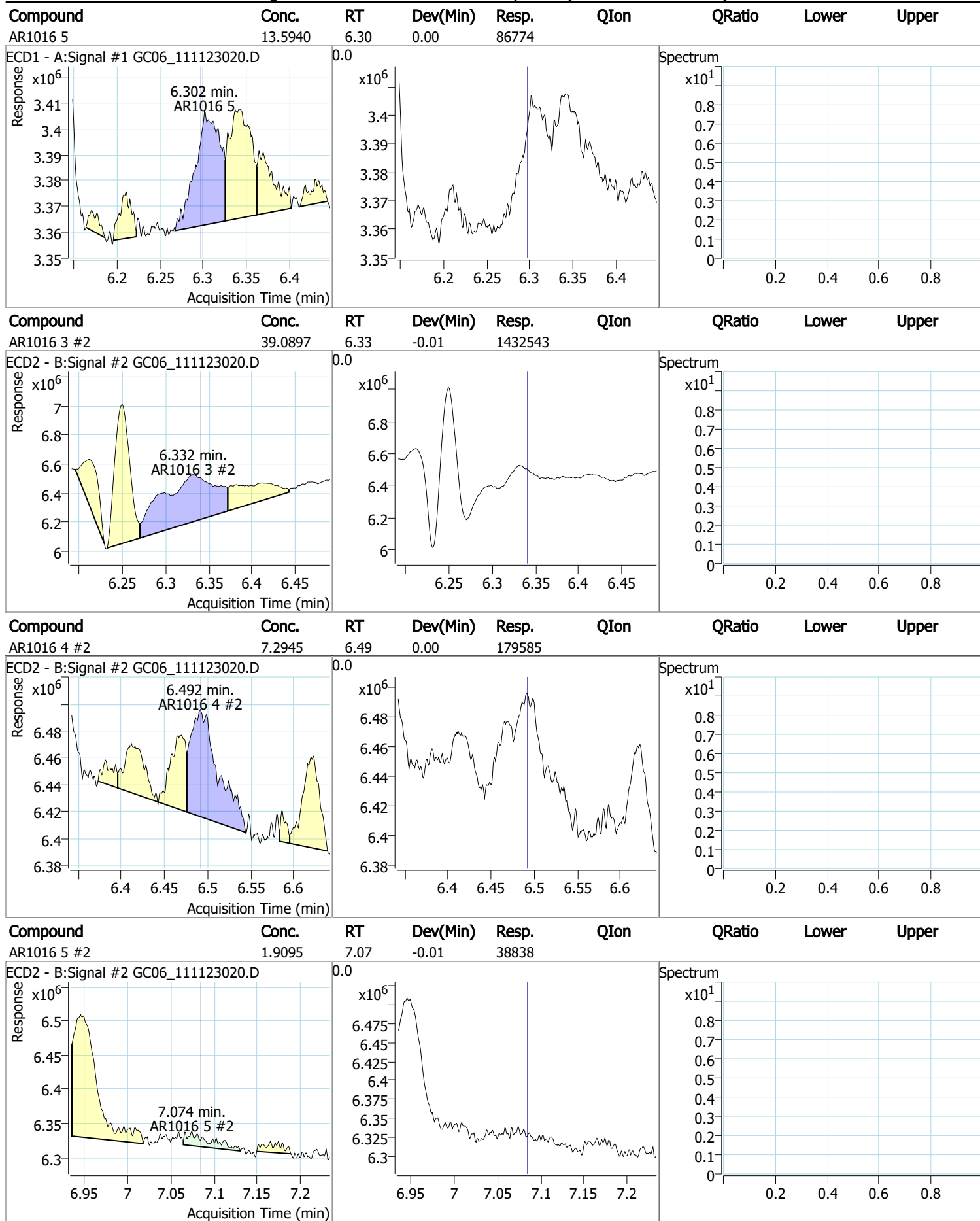
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	103.6441	5.34	0.00	917927				



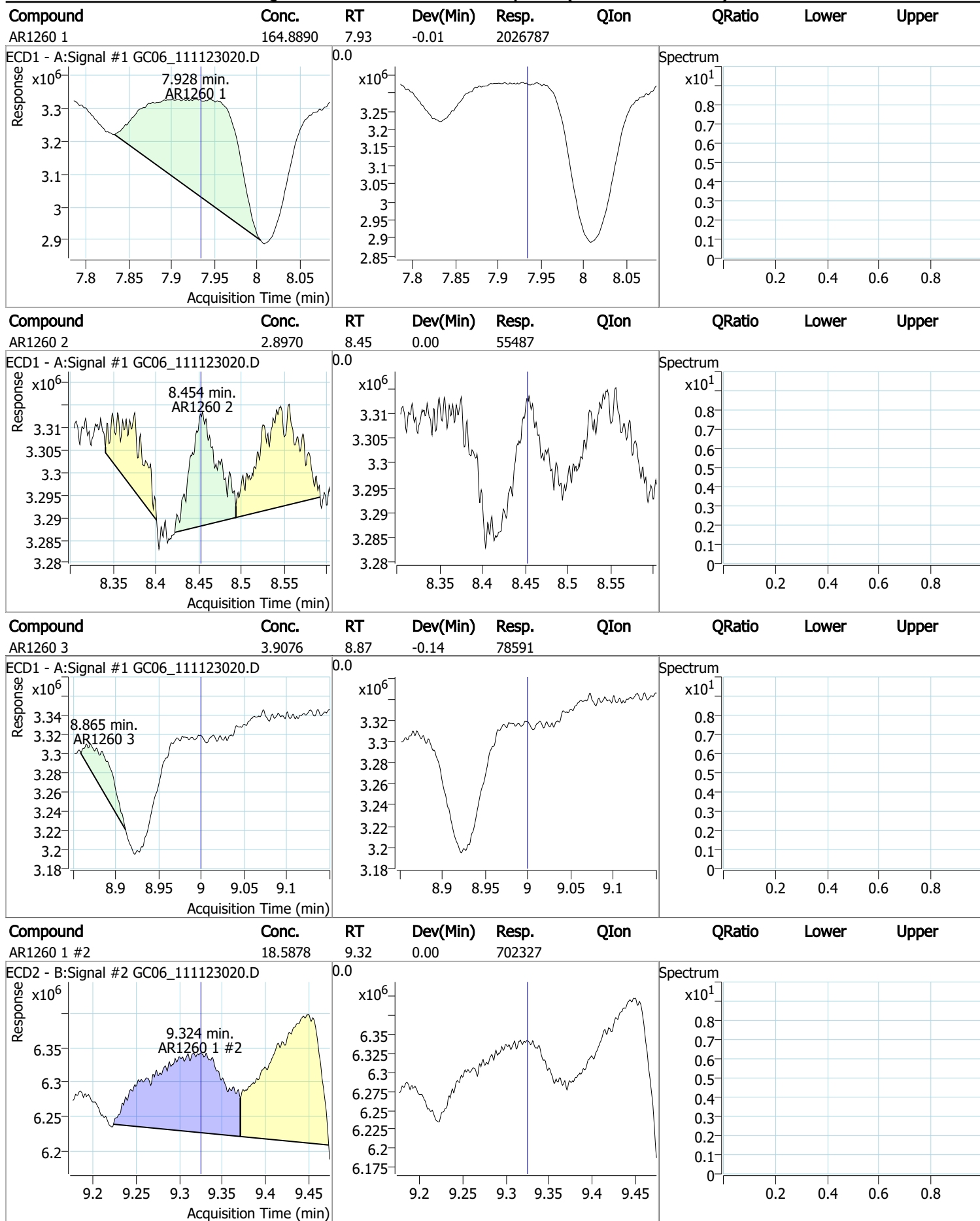
Quantitation Results Report (Not Reviewed)



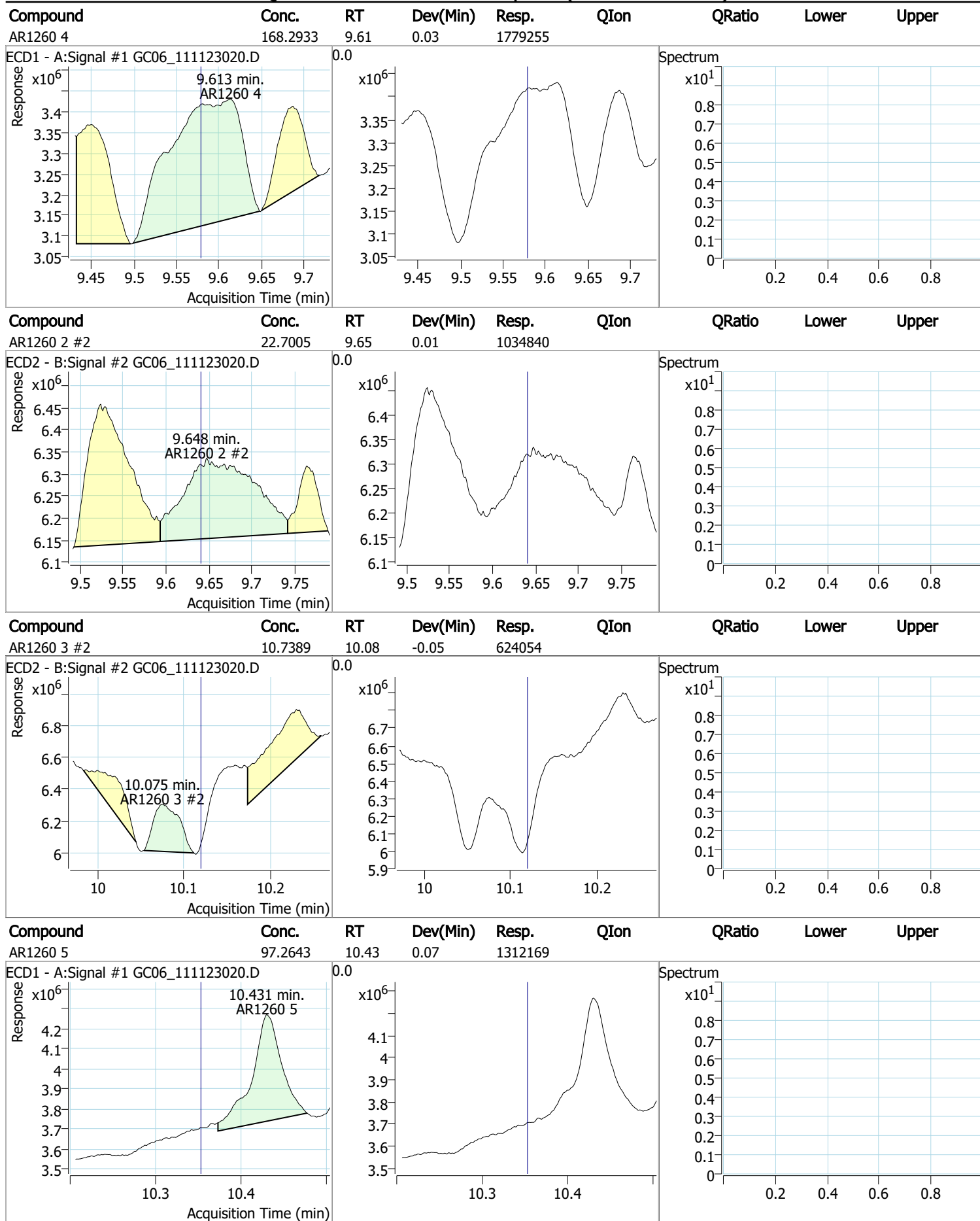
Quantitation Results Report (Not Reviewed)



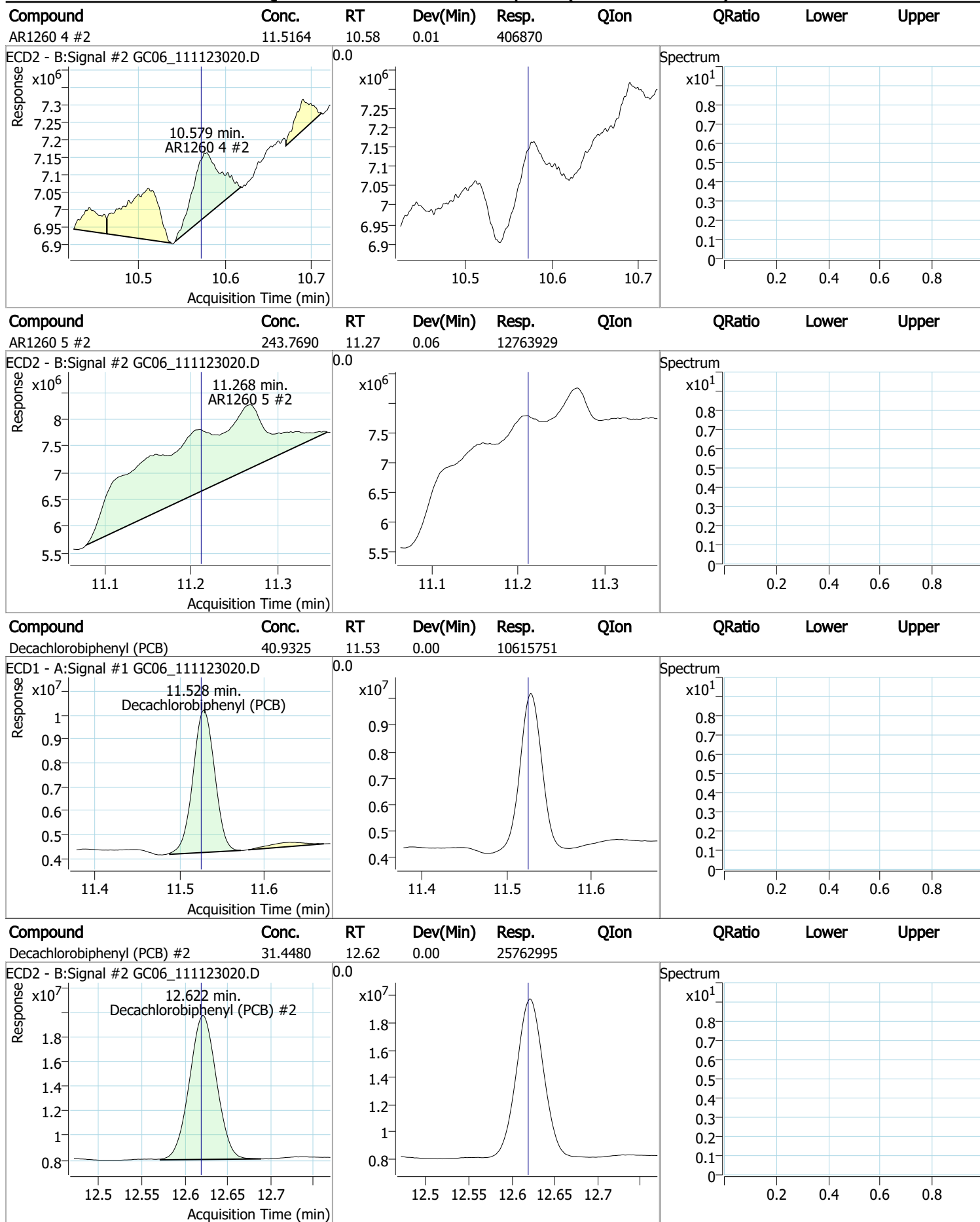
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-009	Client ID: ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-P-LA
Seqnum: 453454429021	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123021	Batch: 326371	Time: 11-NOV-2023 19:44
Cal: 453416704002	Caldate: 16-OCT-2023	
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	Blank	Flags
Aroclor-1016	B	41.76	ND	1.1	91%	0.50		u
Aroclor-1016 Peak # 1	B	87.96	0.88	1.94	75%			
Aroclor-1016 Peak # 2	B	58.18	0.58	0.71	20%			
Aroclor-1016 Peak # 3	B	50.75	0.51	1.12	75%			
Aroclor-1016 Peak # 4	B	10.59	0.11	1.45	173%			
Aroclor-1016 Peak # 5	B	1.317	0.01	0.38	187%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	58.68	0.59 FP	0.89	41%	0.50		x u
Aroclor-1260 Peak # 1	B	18.23	0.18	1.77	163%			
Aroclor-1260 Peak # 2	B	17.64	0.18	0.03	150%			
Aroclor-1260 Peak # 3	B	10.69	0.11	0.05	67%			
Aroclor-1260 Peak # 4	B	10.18	0.10	1.74	178%			
Aroclor-1260 Peak # 5	B	236.7	2.37	0.88	92%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.05	0.5000	0.3905	78	19-121	u
Decachlorobiphenyl (PCB)	B	29.74	0.5000	0.2974	59	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	14814101	9.07
1-bromo-2-nitrobenzene (PCB)	A	4388704	4012814	-8.56

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

11/13/23 : WIPE/1dm2-10ML

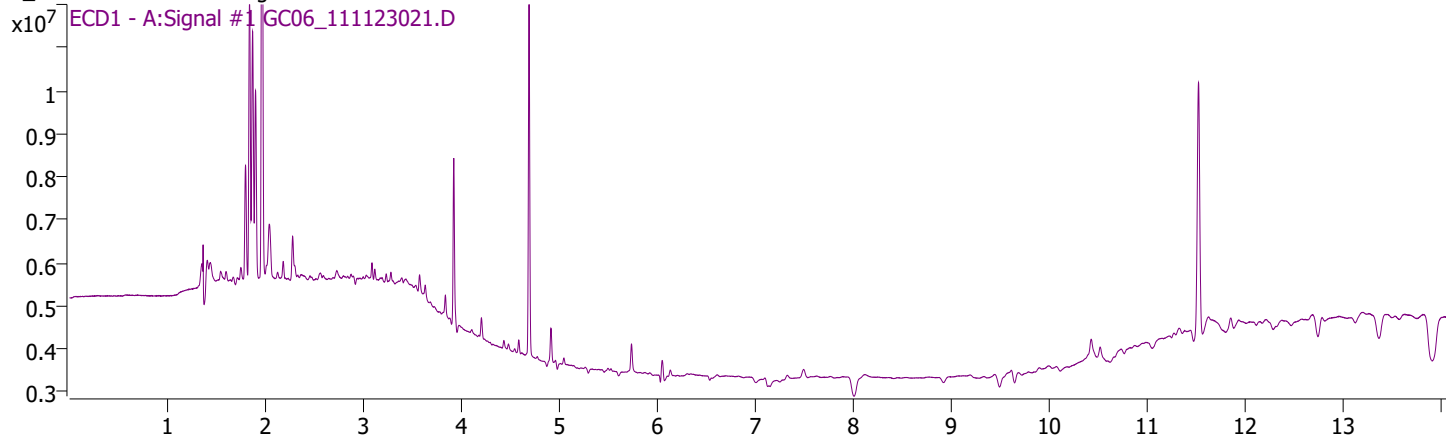
u=use x=false positive

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

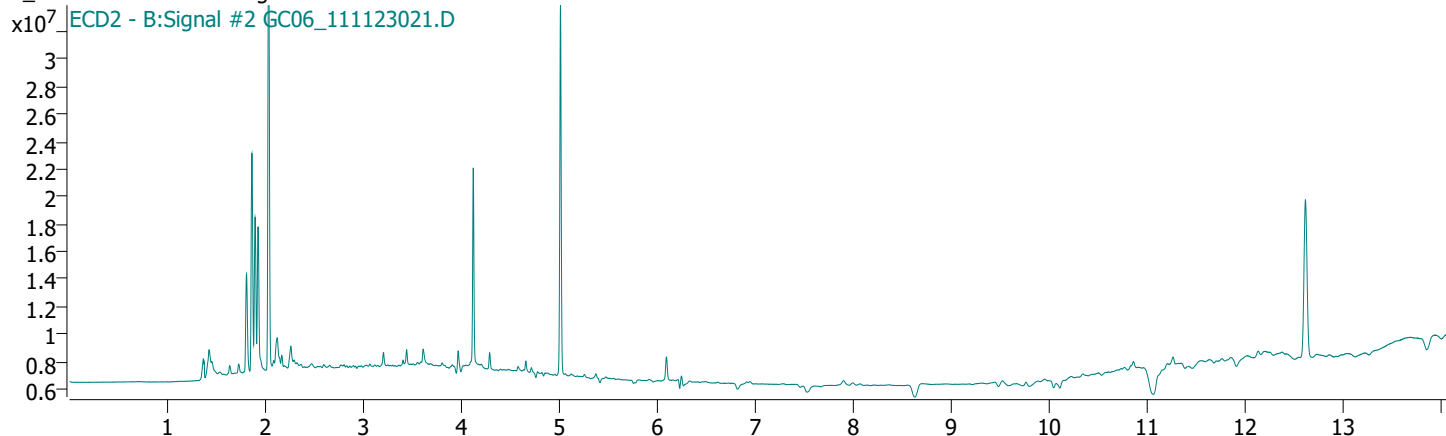
Quantitation Results Report (Not Reviewed)

Data File	GC06_111123021.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 7:44:43 PM
Sample Name	495753-009, 326371, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

GC06_111123021.D No MS Signals



GC06_111123021.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	4012813.538	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	14814101.019	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.693	0.0	7944794.630	39.7928	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.96%	*	
S TCMX (PCB) #2	5.013	0.0	27189994.543	39.0459	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.23%	*	
S Decachlorobiphenyl (PCB)	11.528	0.0	10433080.269	40.7571	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.79%	*	
S Decachlorobiphenyl (PCB) #2	12.620	0.0	25288432.054	29.7383	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.69%		

Target Compounds

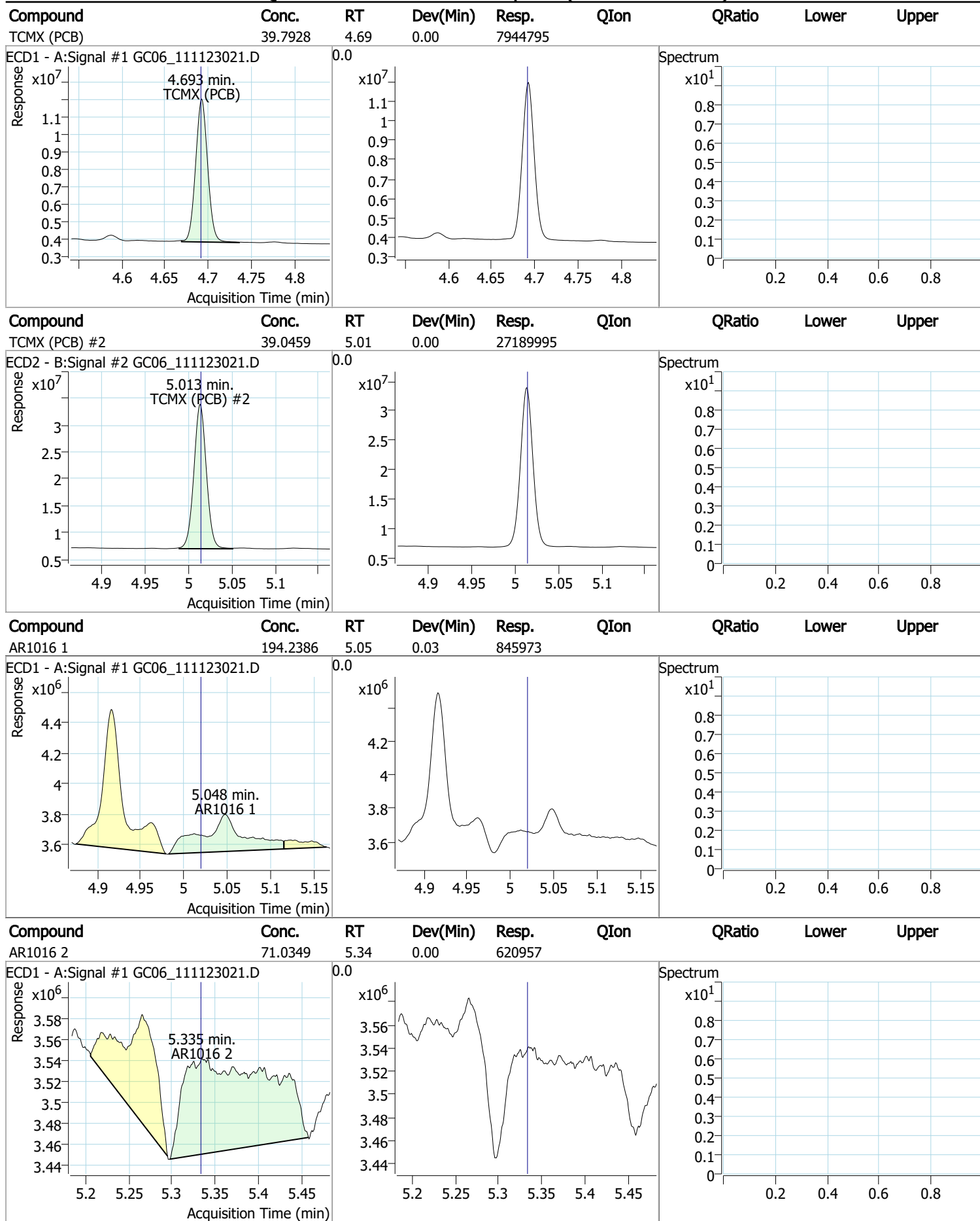
QValue

Quantitation Results Report (Not Reviewed)

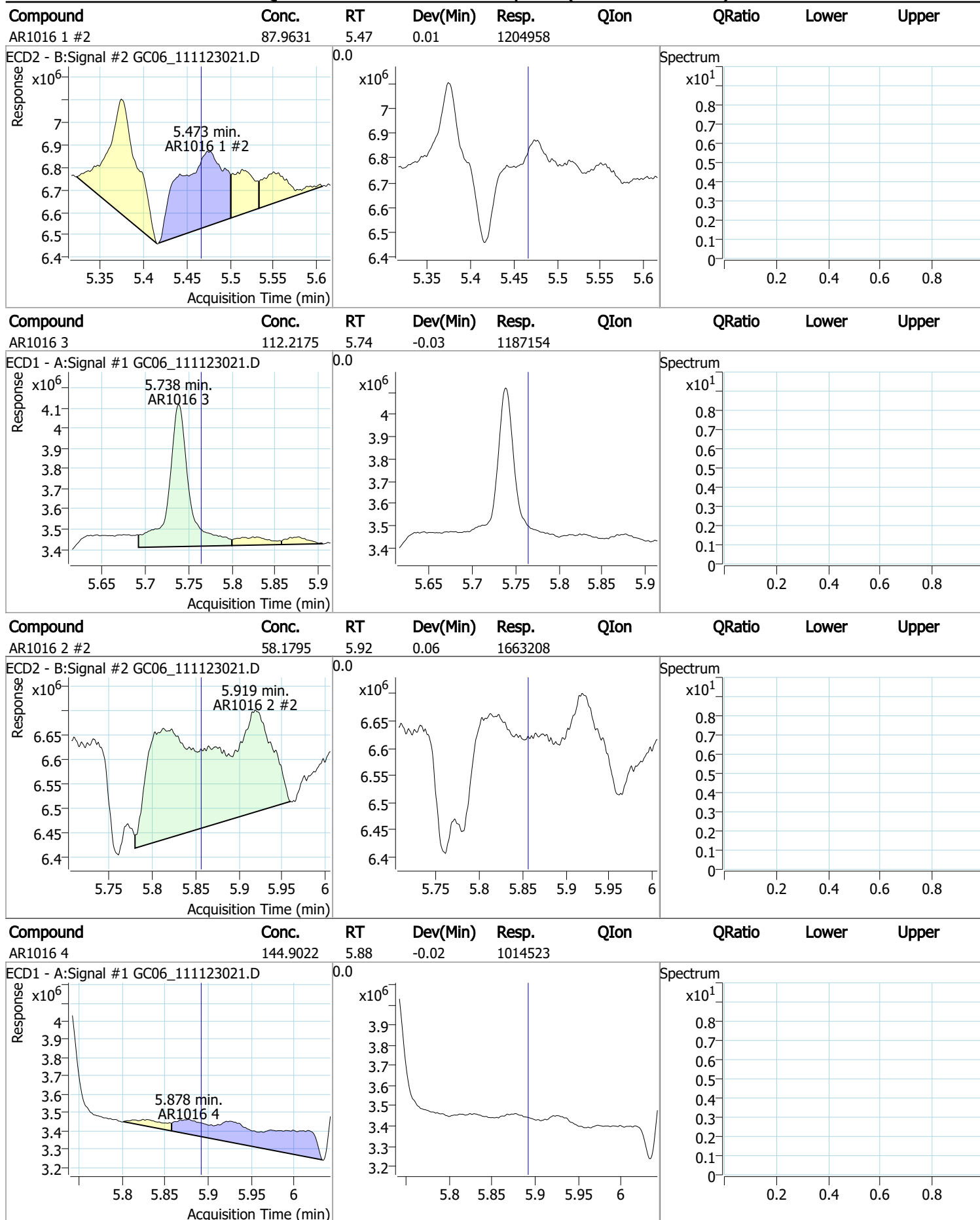
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.048	0.0	845972.805	194.2386	ng/ml	100
T AR1016 2	5.335	0.0	620957.151	71.0349	ng/ml	100
T AR1016 1 #2	5.473	0.0	1204958.16 6	87.9631	ng/ml	100
T AR1016 3	5.738	0.0	1187153.91 6	112.2175	ng/ml	100
T AR1016 2 #2	5.919	0.0	1663207.77 7	58.1795	ng/ml	100
T AR1016 4	5.878	0.0	1014522.91 3	144.9022	ng/ml	100
T AR1016 5	6.311	0.0	240505.415	38.1729	ng/ml	100
T AR1016 3 #2	6.334	0.0	1930428.38 7	50.7465	ng/ml	100
T AR1016 4 #2	6.495	0.0	270741.620	10.5945	ng/ml	100
T AR1016 5 #2	7.068	0.0	27803.682	1.3169	ng/ml	100
T AR1260 1	7.893	0.0	2143162.28 2	176.6495	ng/ml	100
T AR1260 2	8.453	0.0	48010.316	2.5396	ng/ml	100
T AR1260 3	8.882	0.0	105295.633	5.3042	ng/ml	100
T AR1260 1 #2	9.324	0.0	714823.423	18.2258	ng/ml	100
T AR1260 4	9.618	0.0	1818922.78 3	174.3077	ng/ml	100
T AR1260 2 #2	9.668	0.0	834899.415	17.6439	ng/ml	100
T AR1260 3 #2	10.074	0.0	645124.130	10.6949	ng/ml	100
T AR1260 5	10.432	0.0	1170151.58 3	87.8779	ng/ml	100
T AR1260 4 #2	10.611	0.0	373262.461	10.1783	ng/ml	100
T AR1260 5 #2	11.269	0.0	12863972.6 88	236.6830	ng/ml	100

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

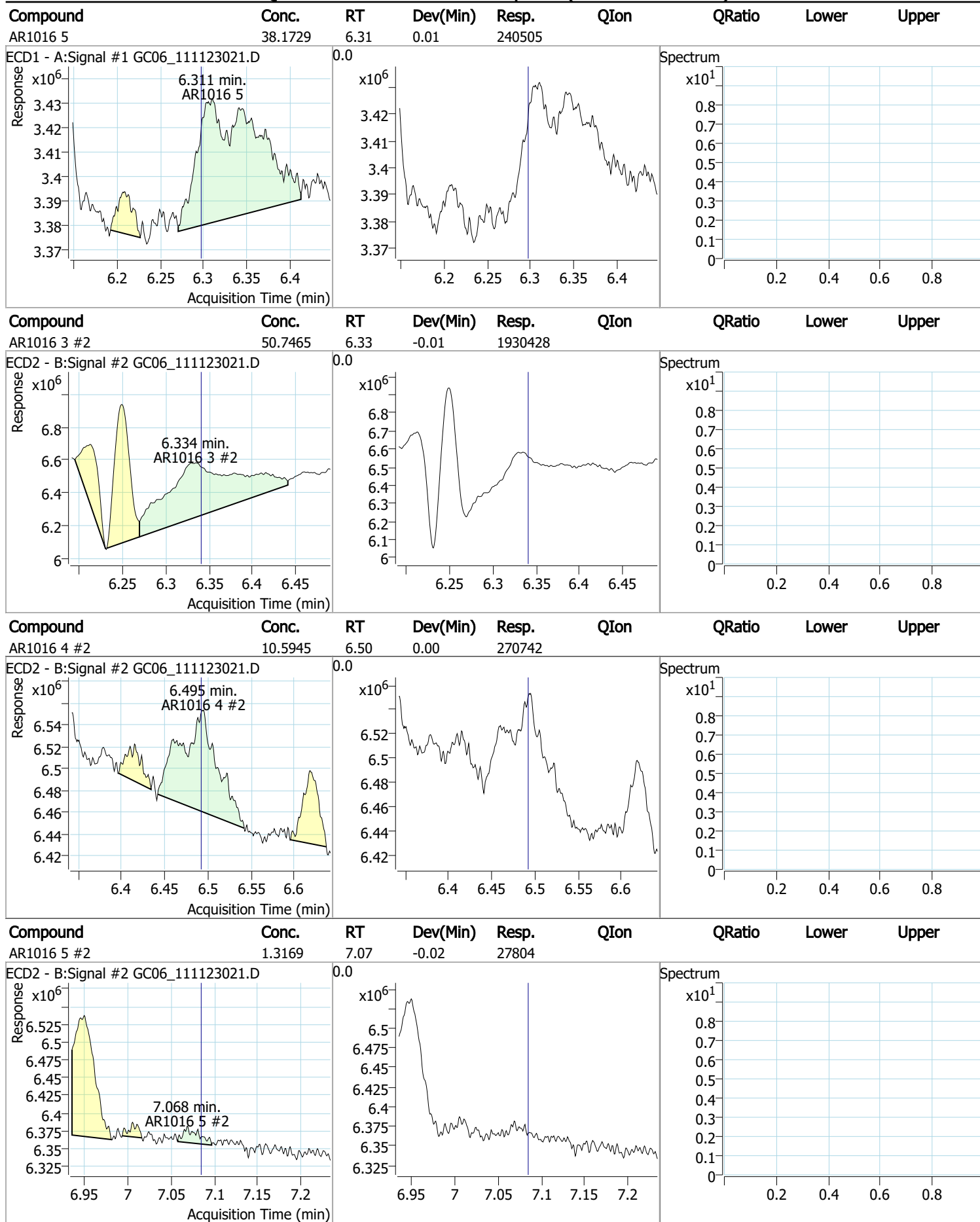
Quantitation Results Report (Not Reviewed)



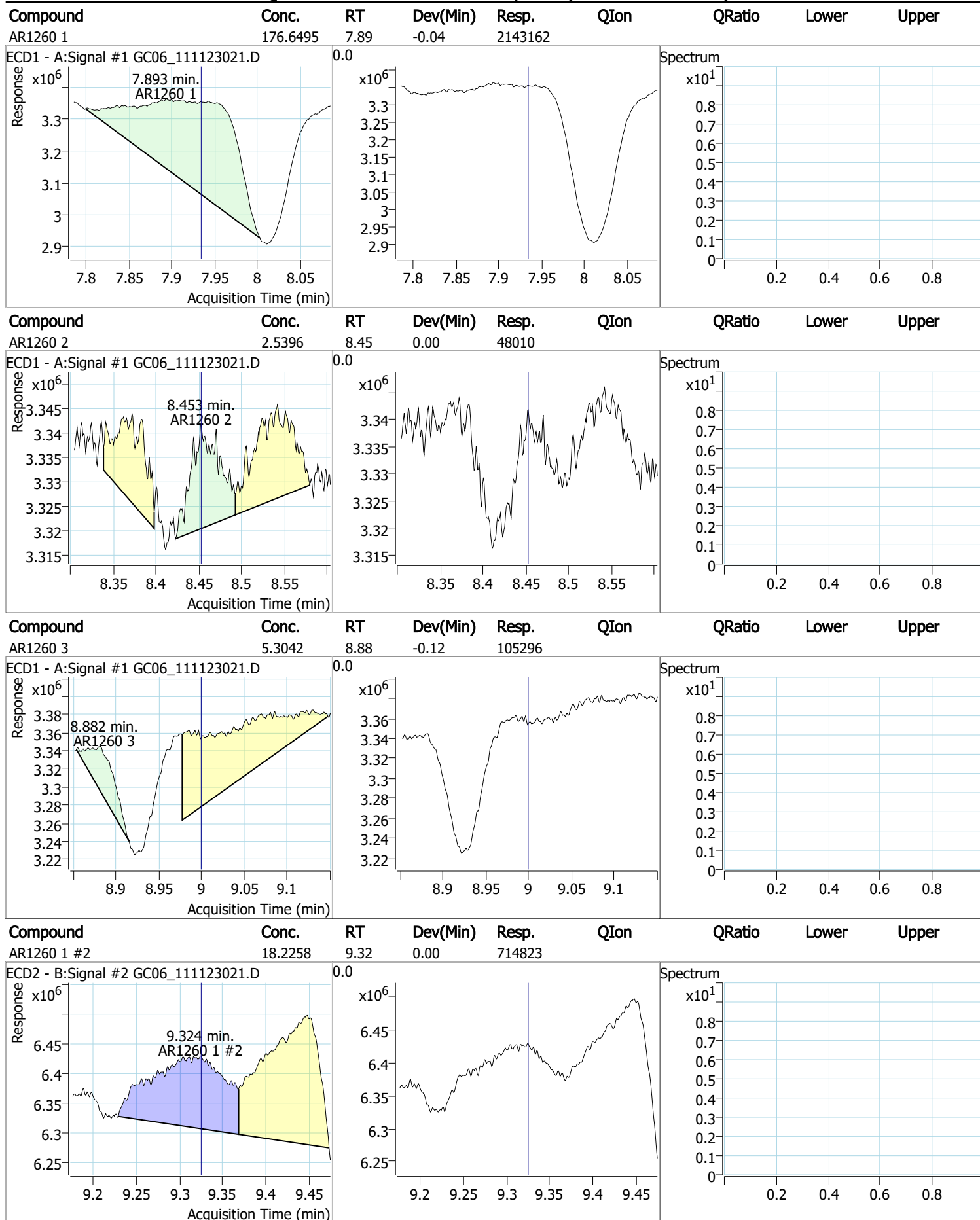
Quantitation Results Report (Not Reviewed)



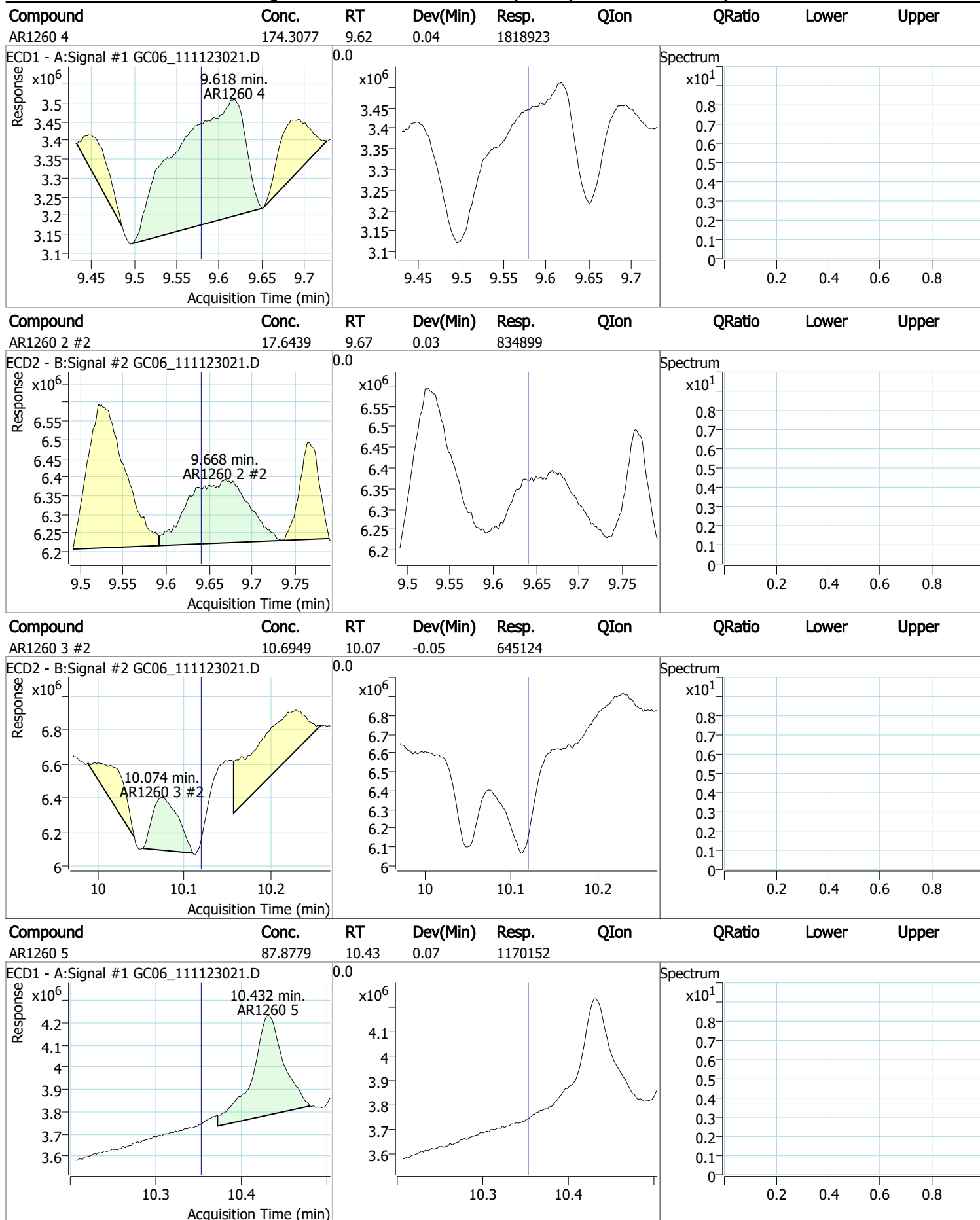
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

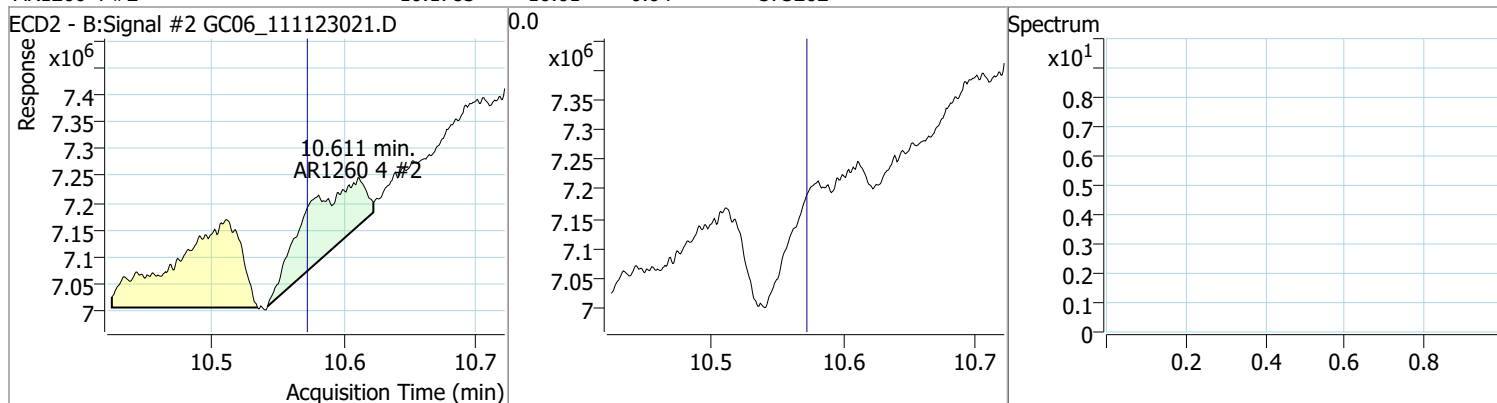


Quantitation Results Report (Not Reviewed)

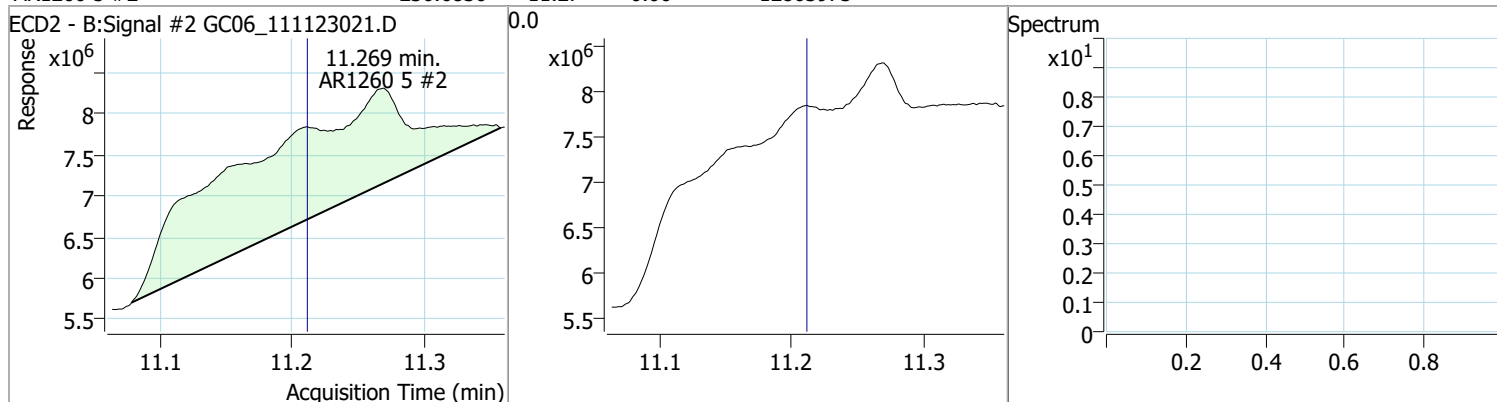


Quantitation Results Report (Not Reviewed)

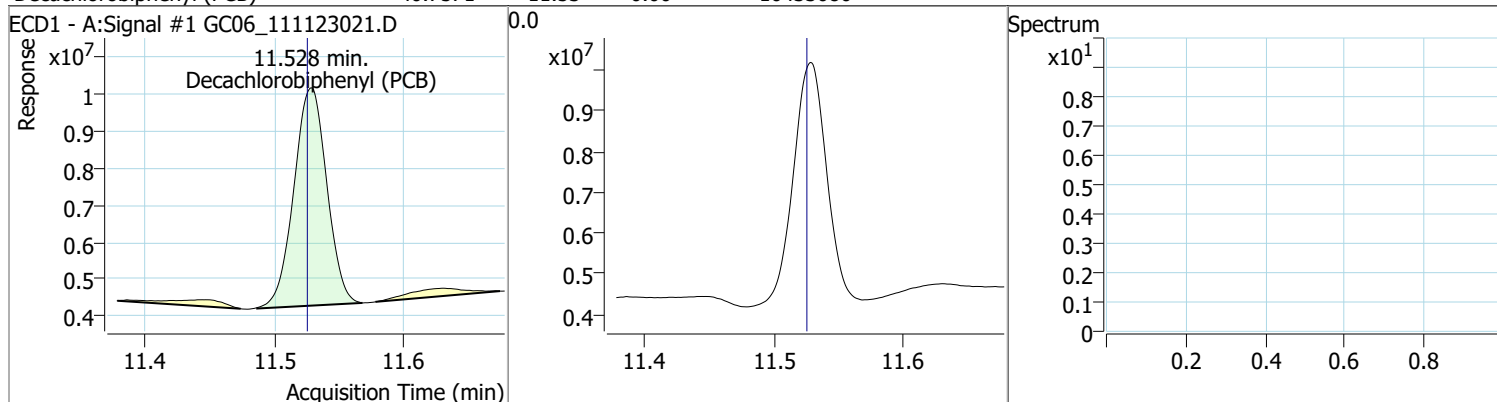
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	10.1783	10.61	0.04	373262				



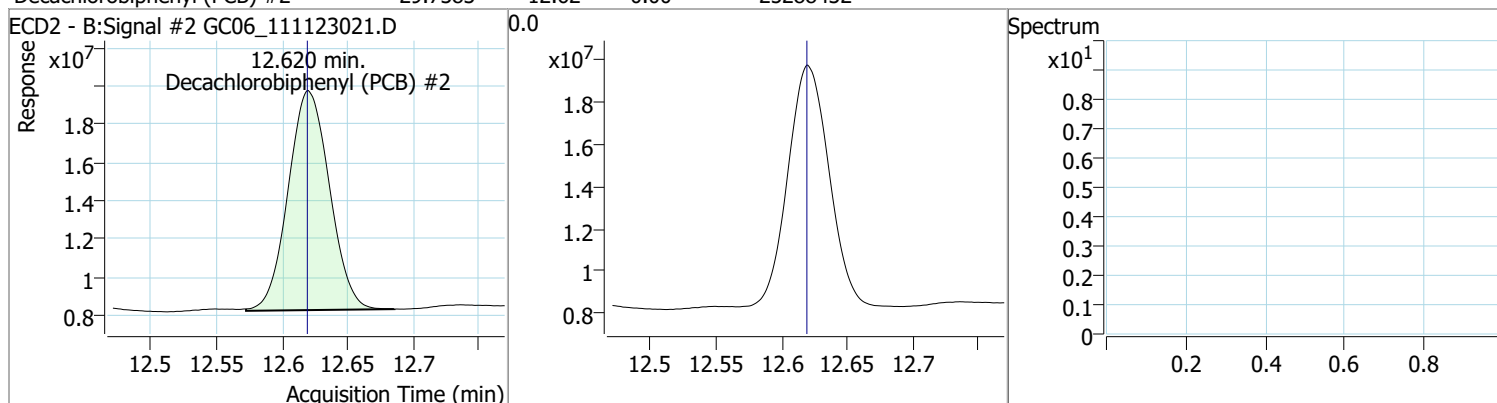
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	236.6830	11.27	0.06	12863973				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.7571	11.53	0.00	10433080				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.7383	12.62	0.00	25288432				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-011	Client ID: ARCH-C13E-DG-2 TO 2.5-231109-P-FB
Seqnum: 453454429022	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123022	Batch: 326371	Time: 11-NOV-2023 20:02
Cal: 453416704002	Caldate: 16-OCT-2023	
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	Blank	Flags
Aroclor-1016	B	391.8	3.9 FP	1.0	118%	0.50		x u
Aroclor-1016 Peak # 1	B	1801	18.01	1.09	177%			
Aroclor-1016 Peak # 2	B	40.40	0.40	0.29	34%			
Aroclor-1016 Peak # 3	B	23.24	0.23	1.05	128%			
Aroclor-1016 Peak # 4	B	15.59	0.16	2.49	176%			
Aroclor-1016 Peak # 5	B	78.21	0.78	0.16	131%			
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	68.04	0.68 FP	0.94	32%	0.50		x u
Aroclor-1260 Peak # 1	B	22.35	0.22	1.96	159%			
Aroclor-1260 Peak # 2	B	21.39	0.21	0.04	132%			
Aroclor-1260 Peak # 3	B	10.56	0.11	0.36	109%			
Aroclor-1260 Peak # 4	B	25.48	0.25	1.97	154%			
Aroclor-1260 Peak # 5	B	260.4	2.60	0.38	150%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.60	0.5000	0.3860	77	19-121	u
Decachlorobiphenyl (PCB)	B	34.86	0.5000	0.3486	70	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	16140283	18.84
1-bromo-2-nitrobenzene (PCB)	A	4388704	4032905	-8.11

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

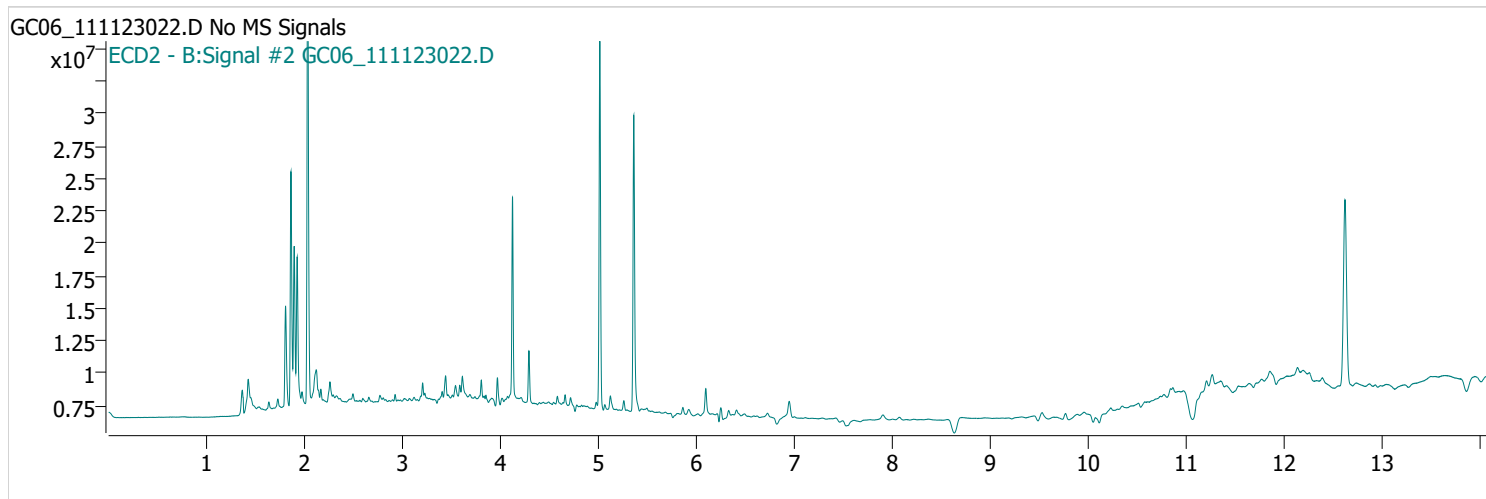
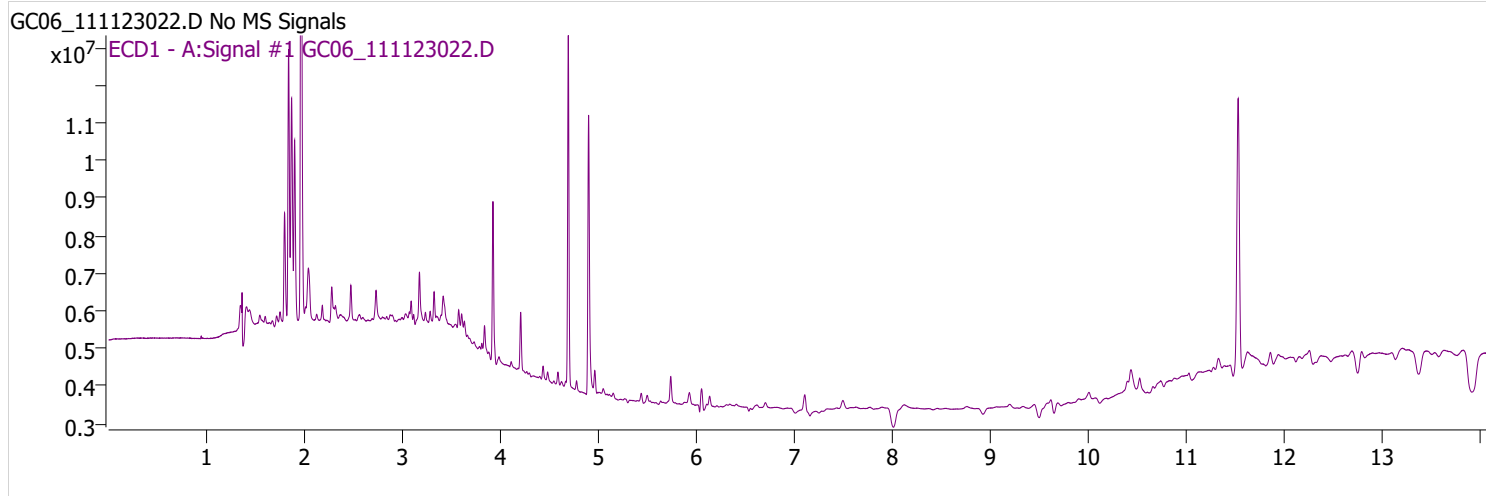
11/13/23 : WIPE/1dm2-10ML

u=use x=false positive

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_111123022.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 8:02:59 PM
Sample Name	495753-011, 326371, 1	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	4032905.23 9	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	16140282.9 97	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.693	0.0	8967413.15 6	44.6910	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.45%	*	
S TCMX (PCB) #2	5.014	0.0	29284974.4 68	38.5989	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.99%	*	
S Decachlorobiphenyl (PCB)	11.530	0.0	13179200.9 19	51.2284	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 256.14%	*	
S Decachlorobiphenyl (PCB) #2	12.620	0.0	32293755.1 34	34.8559	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.28%	*	

Target Compounds

GC06_111123022.D

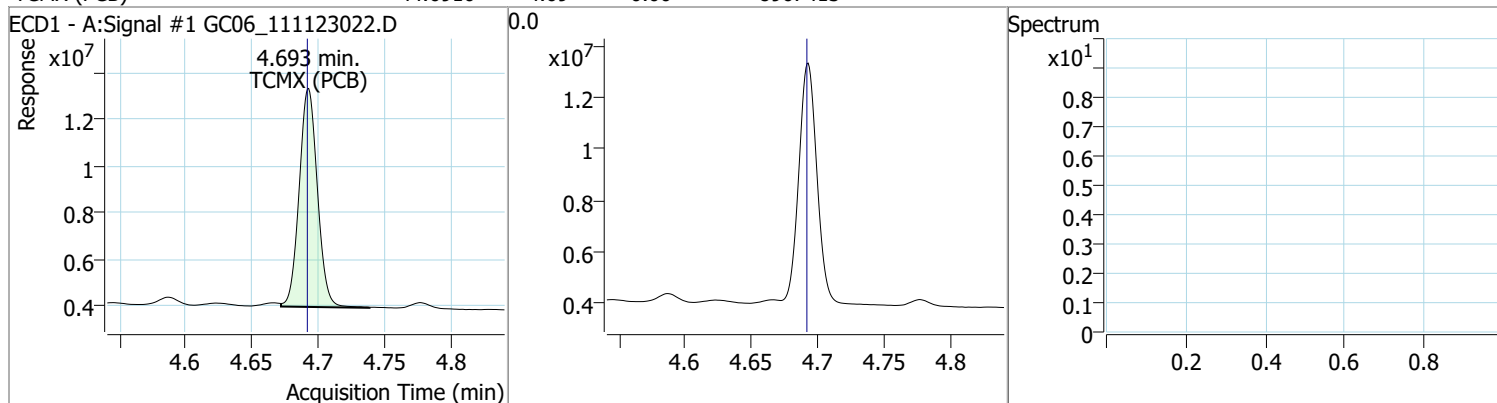
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.048	0.0	475557.514	108.6459	ng/ml	100
T AR1016 2	5.317	0.0	251503.609	28.6276	ng/ml	100
T AR1016 1 #2	5.361	0.0	26886507.4 19	1801.4698	ng/ml	100
T AR1016 3	5.738	0.0	1118494.79 6	105.2007	ng/ml	100
T AR1016 2 #2	5.862	0.0	1258345.93 6	40.4006	ng/ml	100
T AR1016 4	5.928	0.0	1753222.33 2	249.1616	ng/ml	100
T AR1016 5	6.307	0.0	103213.077	16.3003	ng/ml	100
T AR1016 3 #2	6.330	0.0	963039.698	23.2360	ng/ml	100
T AR1016 4 #2	6.493	0.0	433955.340	15.5860	ng/ml	100
T AR1016 5 #2	6.947	0.0	1799079.90 6	78.2134	ng/ml	100
T AR1260 1	7.895	0.0	2389334.74 0	195.9590	ng/ml	100
T AR1260 2	8.461	0.0	82778.709	4.3569	ng/ml	100
T AR1260 3	9.063	0.0	716384.051	35.9074	ng/ml	100
T AR1260 1 #2	9.319	0.0	954888.549	22.3462	ng/ml	100
T AR1260 4	9.618	0.0	2064158.67 6	196.8233	ng/ml	100
T AR1260 2 #2	9.642	0.0	1102851.53 1	21.3915	ng/ml	100
T AR1260 3 #2	10.072	0.0	693996.282	10.5598	ng/ml	100
T AR1260 5	10.400	0.0	502776.621	37.5702	ng/ml	100
T AR1260 4 #2	10.512	0.0	1018010.86 7	25.4787	ng/ml	100
T AR1260 5 #2	11.267	0.0	15422927.1 79	260.4492	ng/ml	100

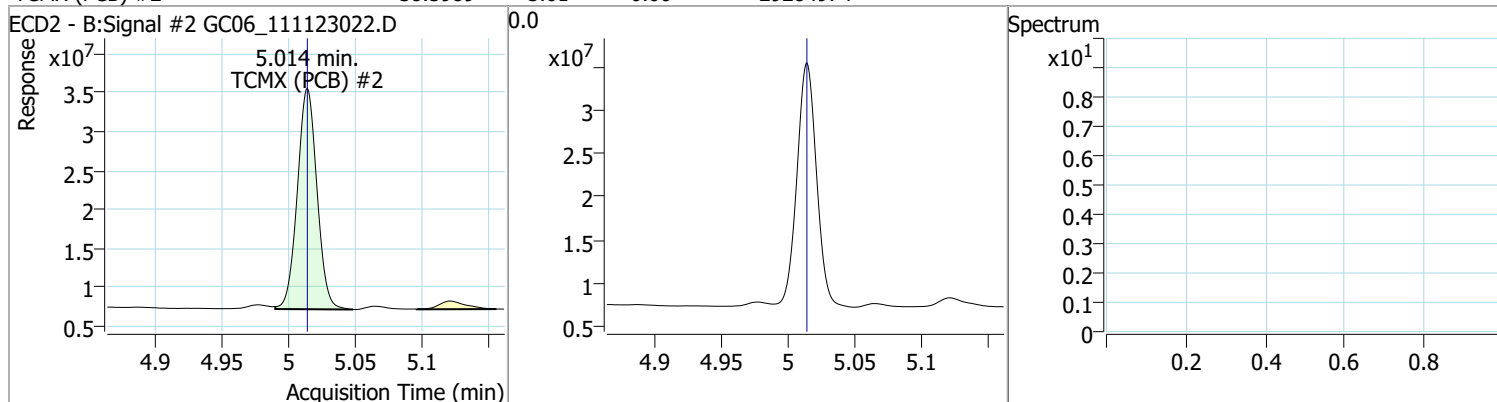
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

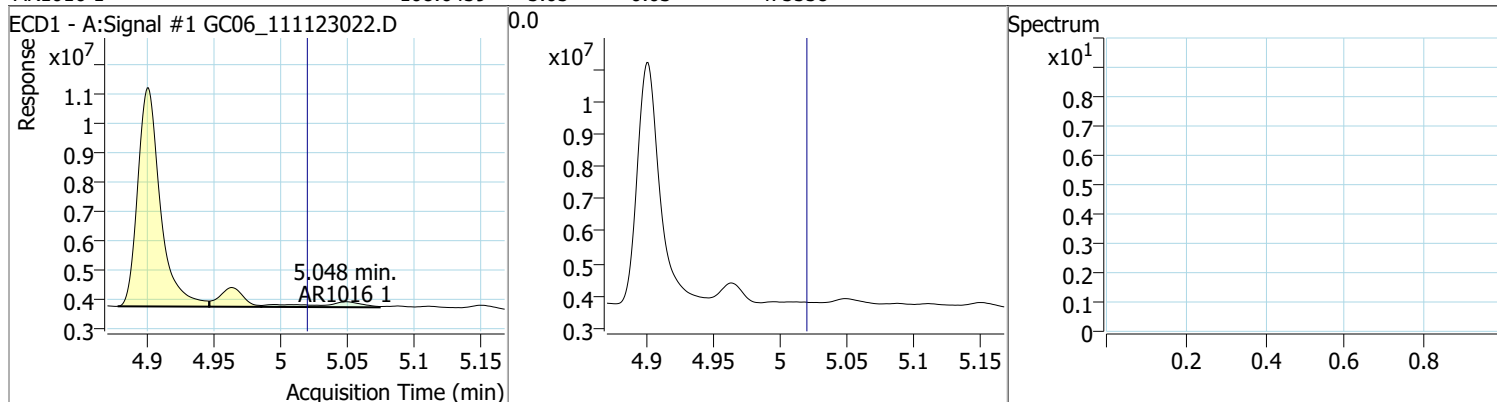
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.6910	4.69	0.00	8967413				



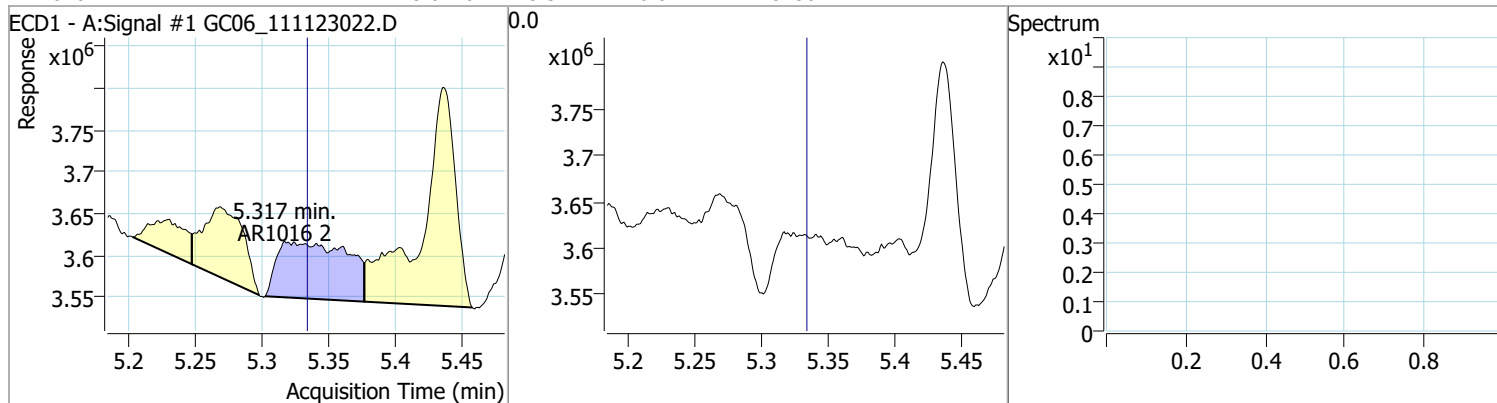
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.5989	5.01	0.00	29284974				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	108.6459	5.05	0.03	475558				

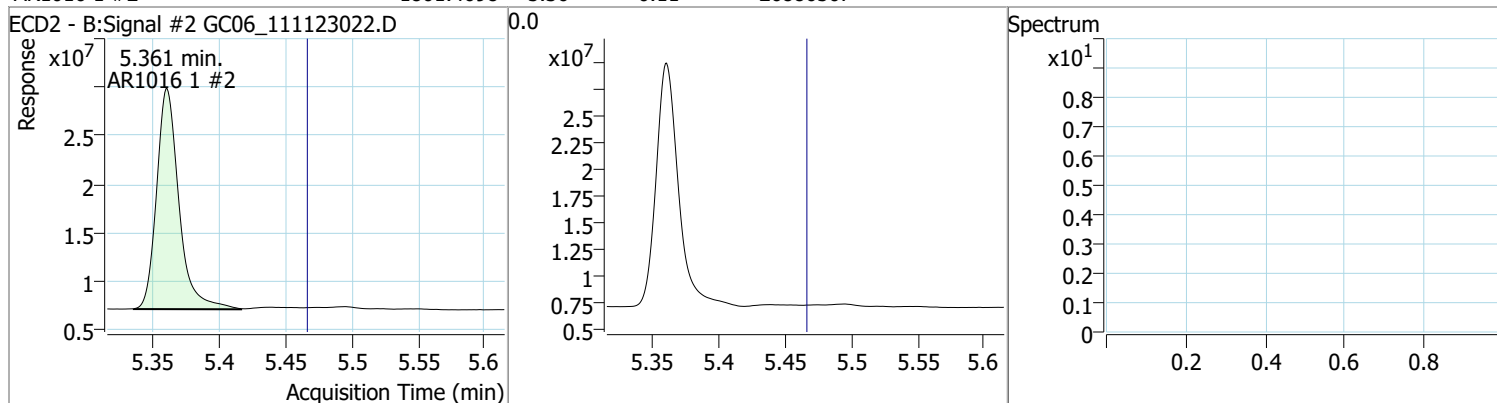


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	28.6276	5.32	-0.02	251504				

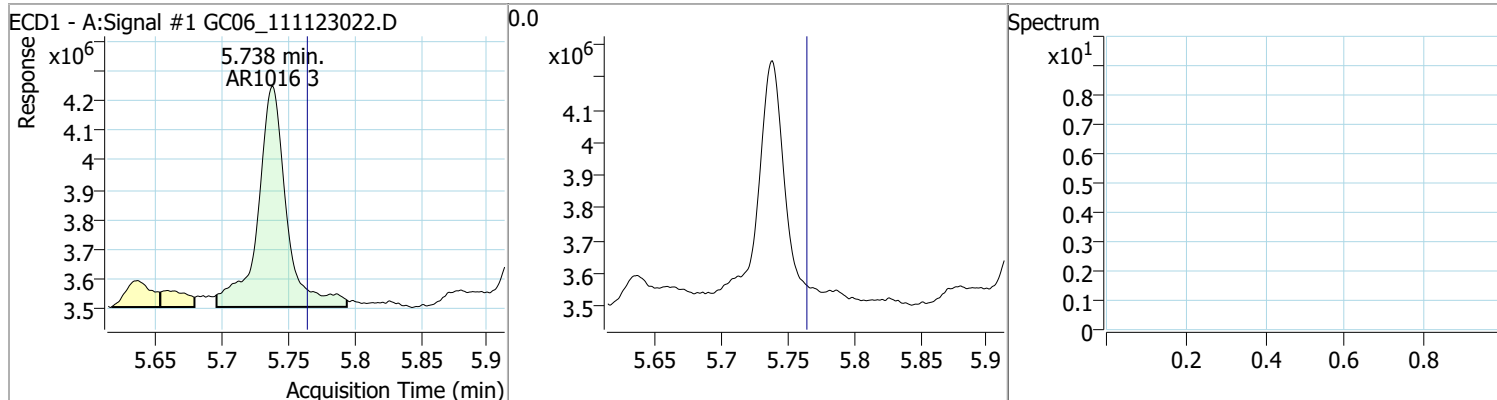


Quantitation Results Report (Not Reviewed)

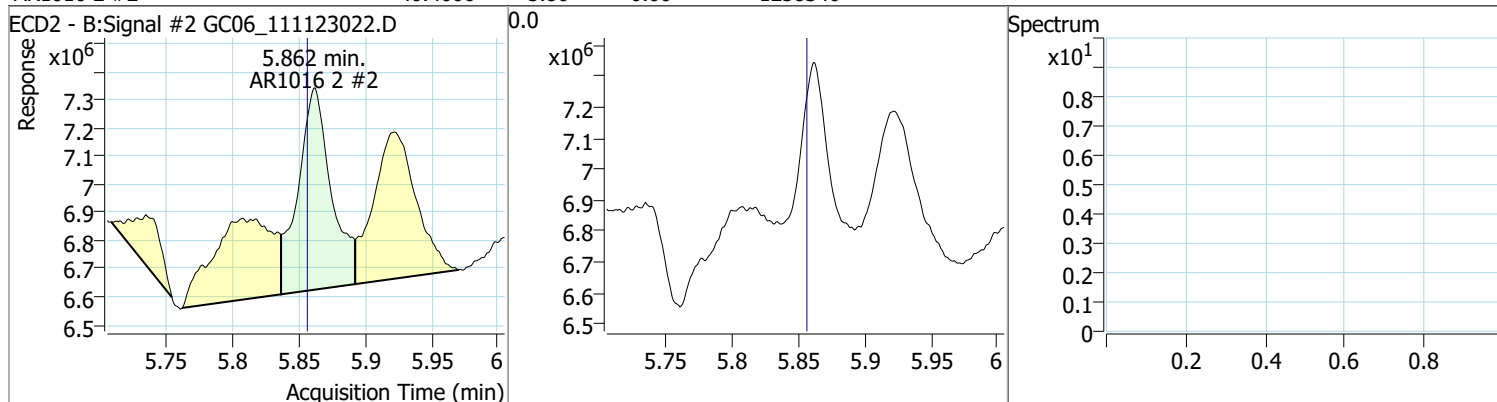
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1801.4698	5.36	-0.11	26886507				



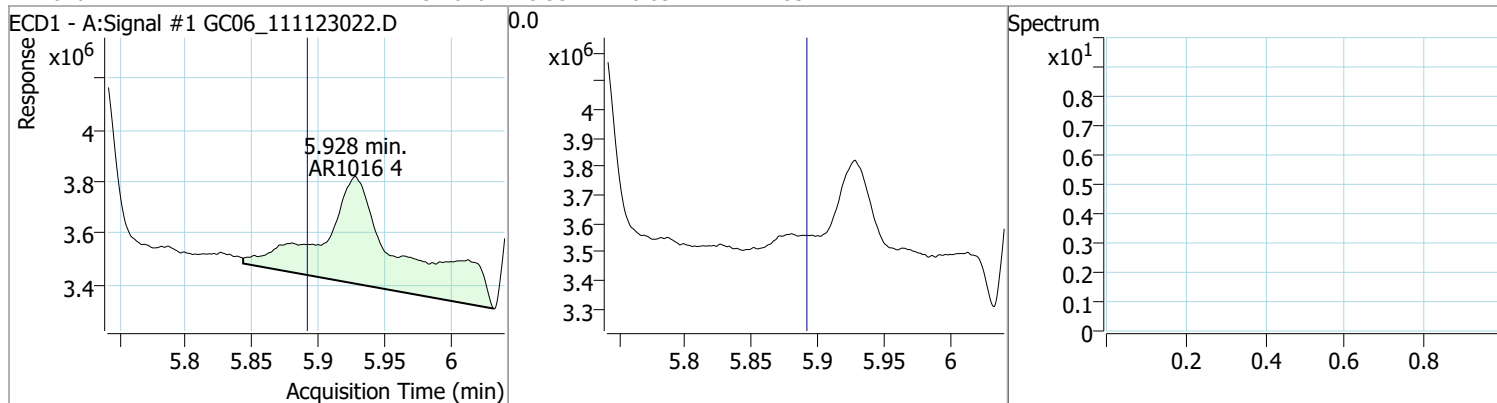
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	105.2007	5.74	-0.03	1118495				



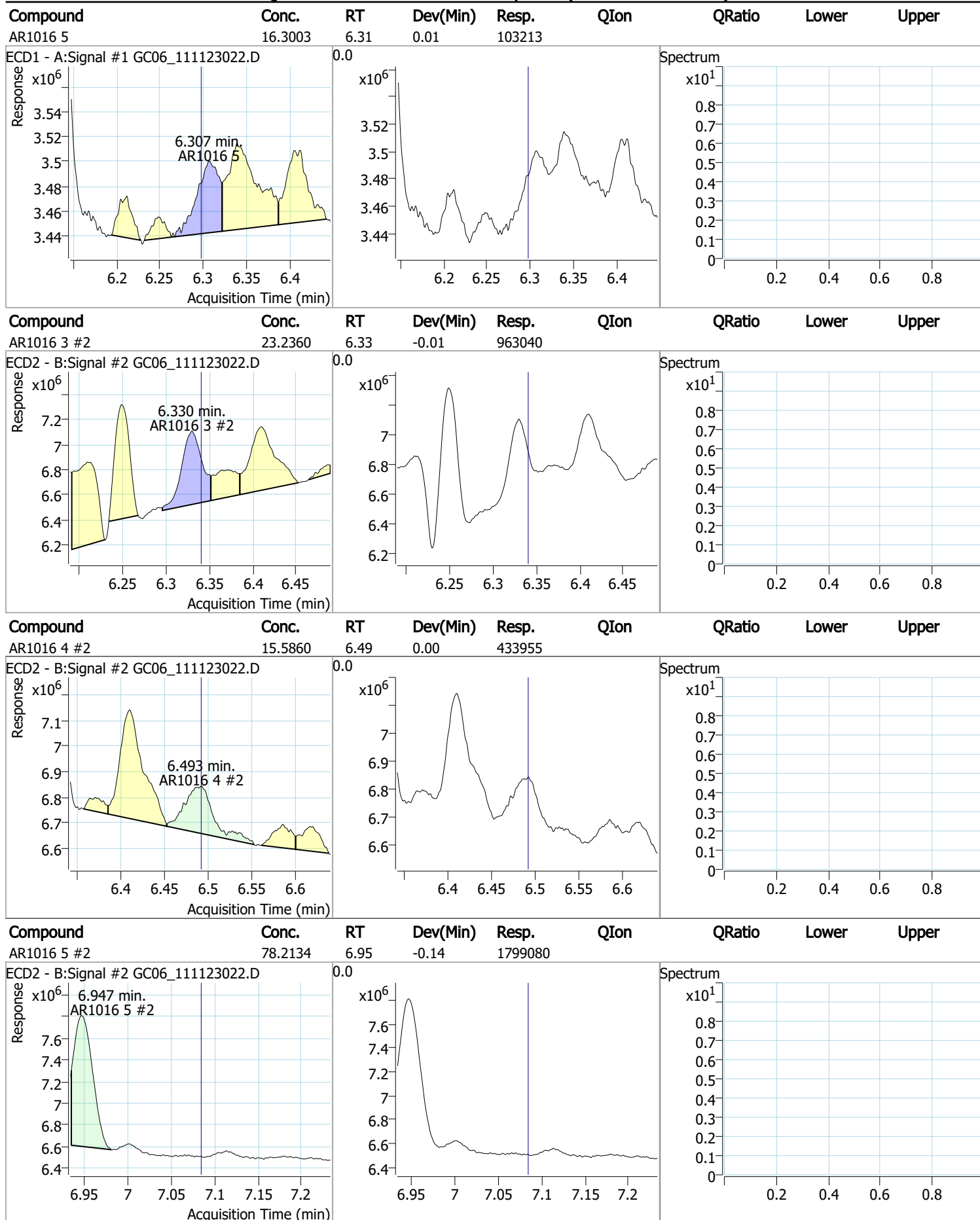
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	40.4006	5.86	0.00	1258346				



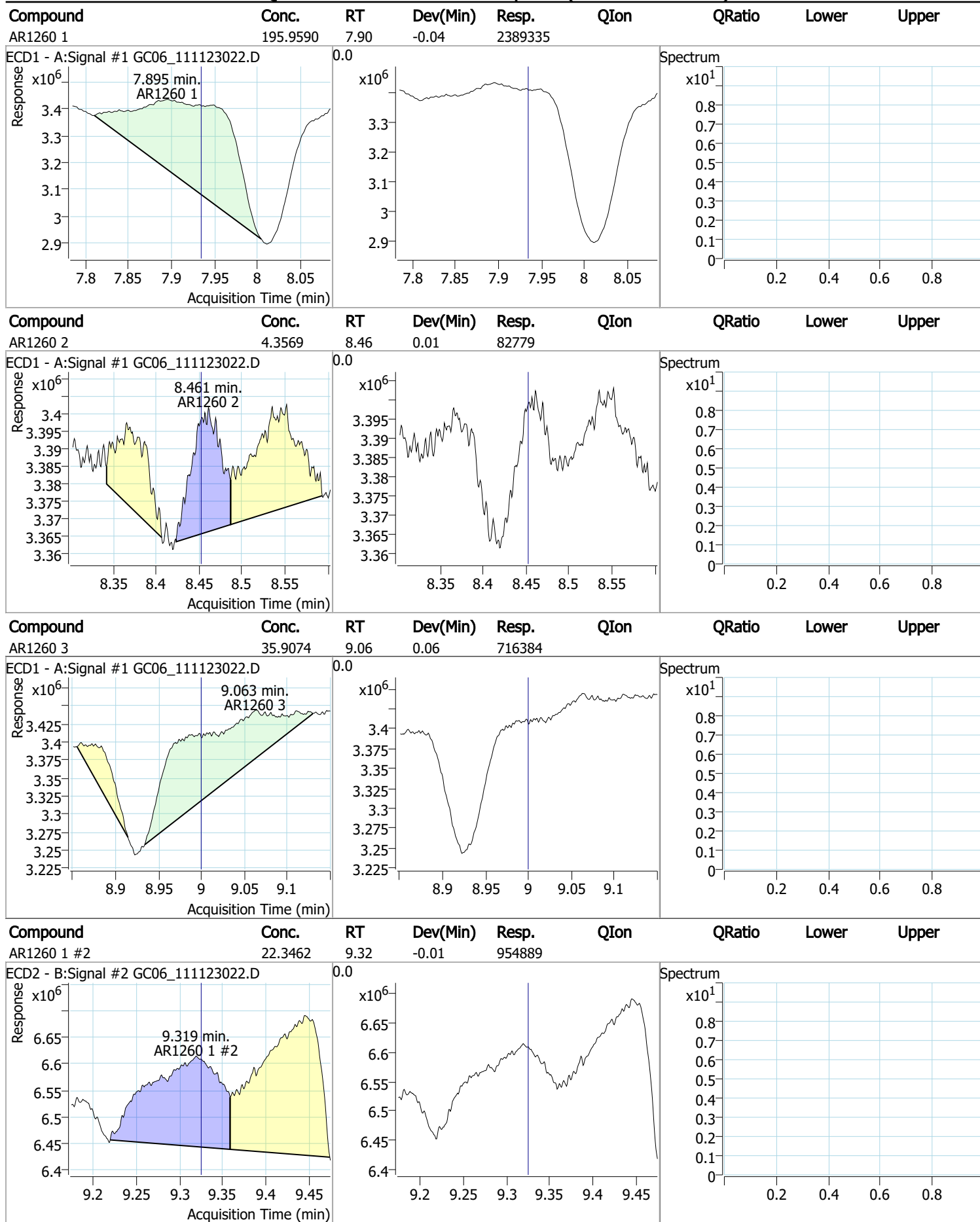
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	249.1616	5.93	0.03	1753222				



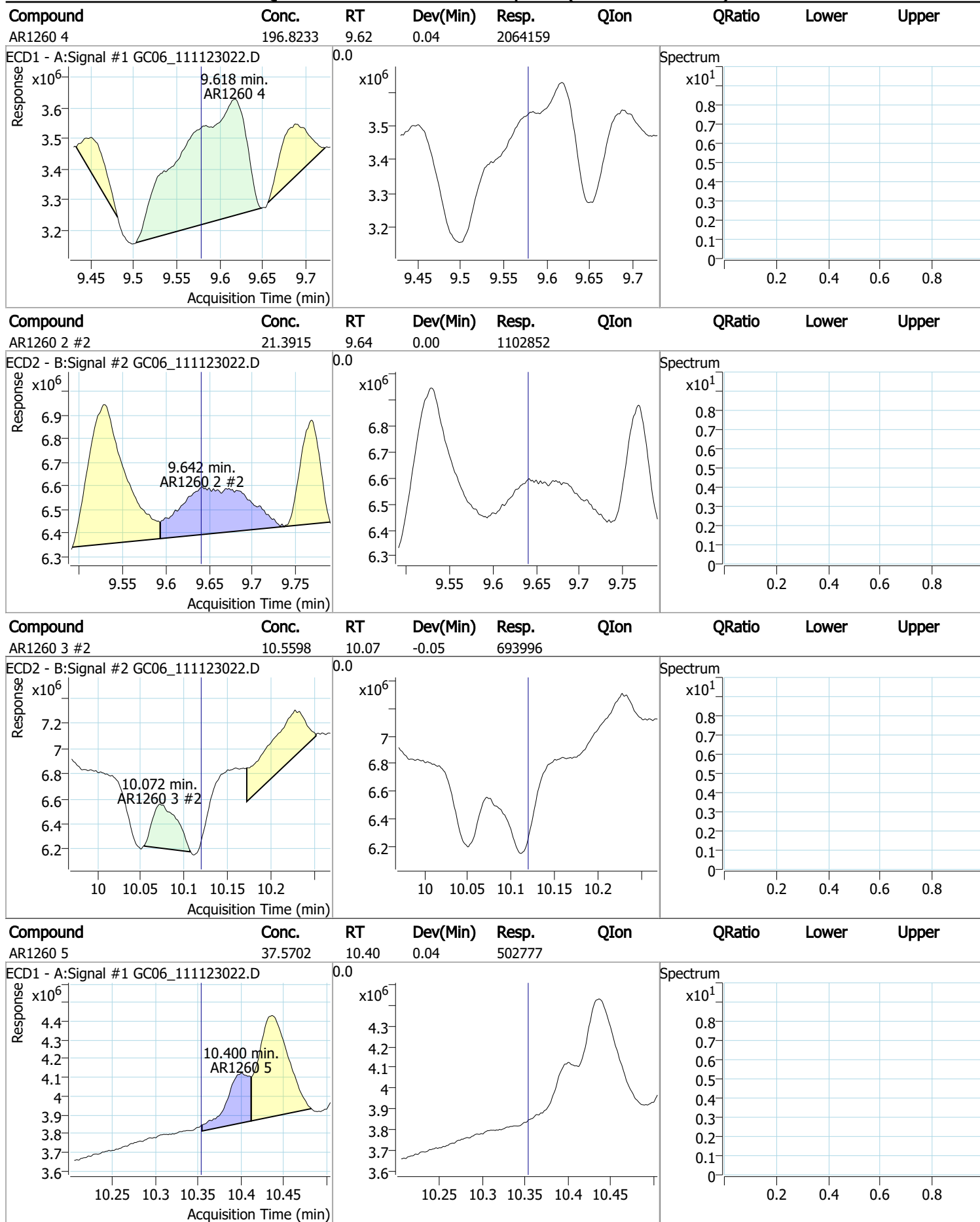
Quantitation Results Report (Not Reviewed)



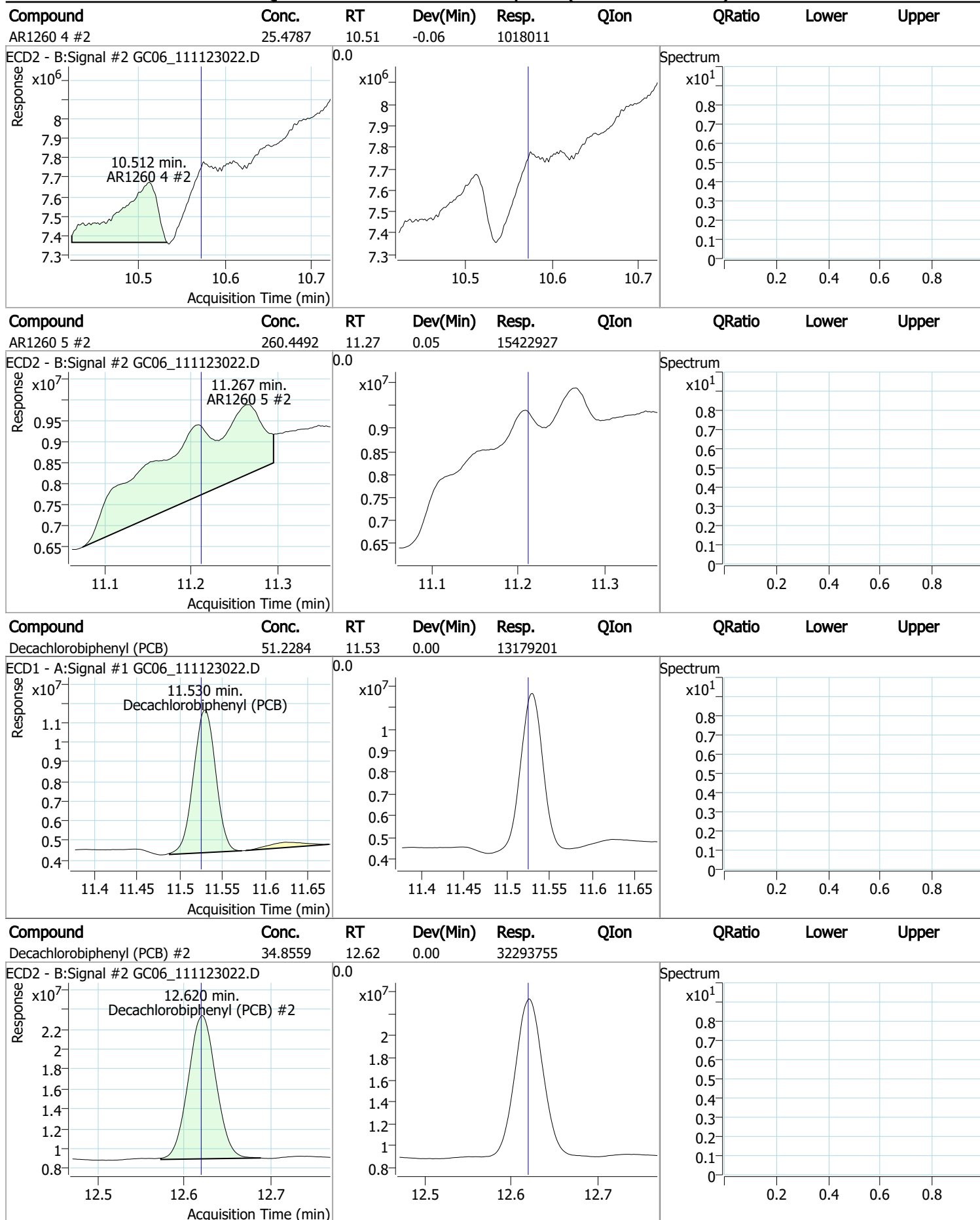
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-014	Client ID: ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-P-LA
Seqnum: 453454429023	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123023	Batch: 326371	Time: 11-NOV-2023 20:21
Cal: 453416704002	Caldate: 16-OCT-2023	
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	Blank	Flags
Aroclor-1016	B	43.86	ND	1.2	95%	0.50		u
Aroclor-1016 Peak # 1	B	143.1	1.43	2.04	35%			
Aroclor-1016 Peak # 2	B	21.41	0.21	0.65	101%			
Aroclor-1016 Peak # 3	B	38.58	0.39	2.12	138%			
Aroclor-1016 Peak # 4	B	13.60	0.14	1.19	159%			
Aroclor-1016 Peak # 5	B	2.634	0.03	0.17	146%			
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	58.22	0.58 FP	0.88	41%	0.50		x u
Aroclor-1260 Peak # 1	B	18.90	0.19	1.69	160%			
Aroclor-1260 Peak # 2	B	18.74	0.19	0.03	152%			
Aroclor-1260 Peak # 3	B	11.54	0.12	0.05	86%			
Aroclor-1260 Peak # 4	B	27.89	0.28	1.67	143%			
Aroclor-1260 Peak # 5	B	214.0	2.14	0.98	74%			
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	43.92	0.5000	0.4392	88	19-121	u
Decachlorobiphenyl (PCB)	B	36.57	0.5000	0.3657	73	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	15759910	16.04
1-bromo-2-nitrobenzene (PCB)	A	4388704	4264299	-2.83

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

11/13/23 : WIPE/1dm2-10ML

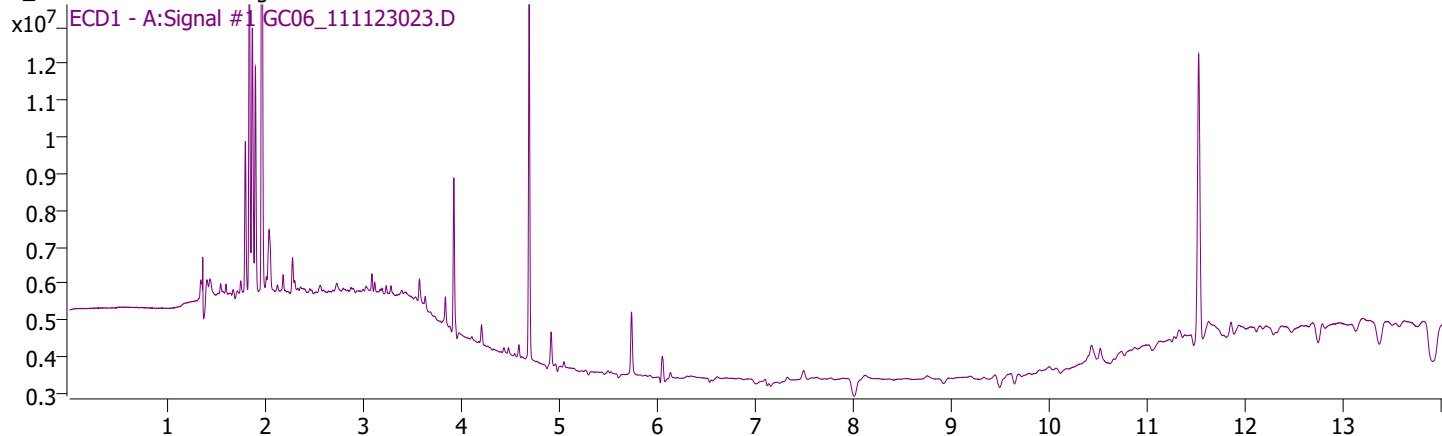
u=use x=false positive

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

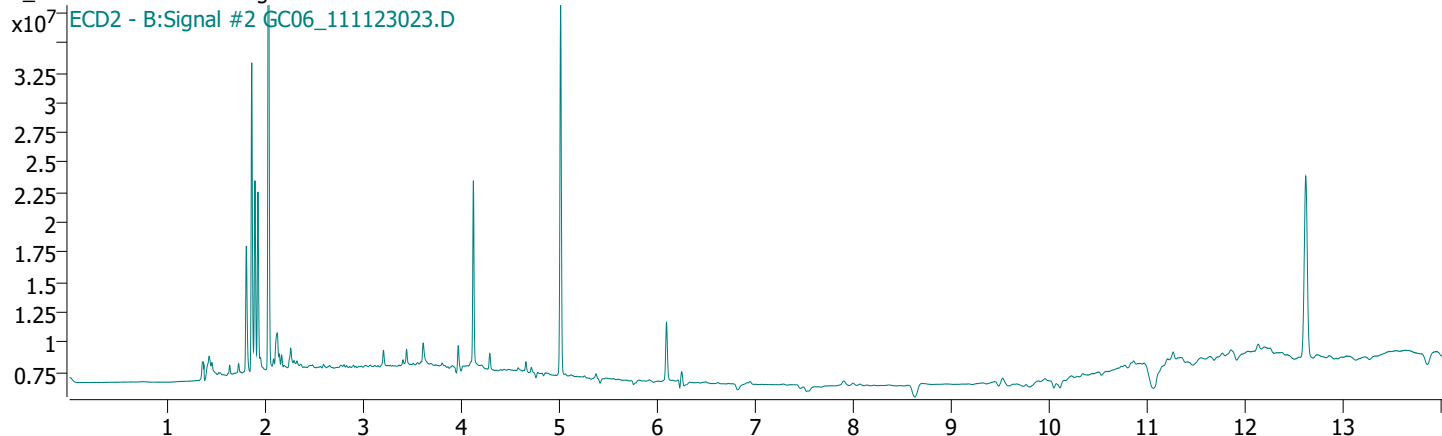
Quantitation Results Report (Not Reviewed)

Data File	GC06_111123023.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 8:21:12 PM
Sample Name	495753-014, 326371, 1	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

GC06_111123023.D No MS Signals



GC06_111123023.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	4264299.30 1	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	15759910.1 85	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.692	0.0	9374455.35 8	44.1844	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.92%	*	
S TCMX (PCB) #2	5.013	0.0	32534890.4 36	43.9175	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.59%	*	
S Decachlorobiphenyl (PCB)	11.528	0.0	13570837.5 61	49.8883	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 249.44%	*	
S Decachlorobiphenyl (PCB) #2	12.621	0.0	33088259.7 42	36.5755	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.88%	*	

Target Compounds

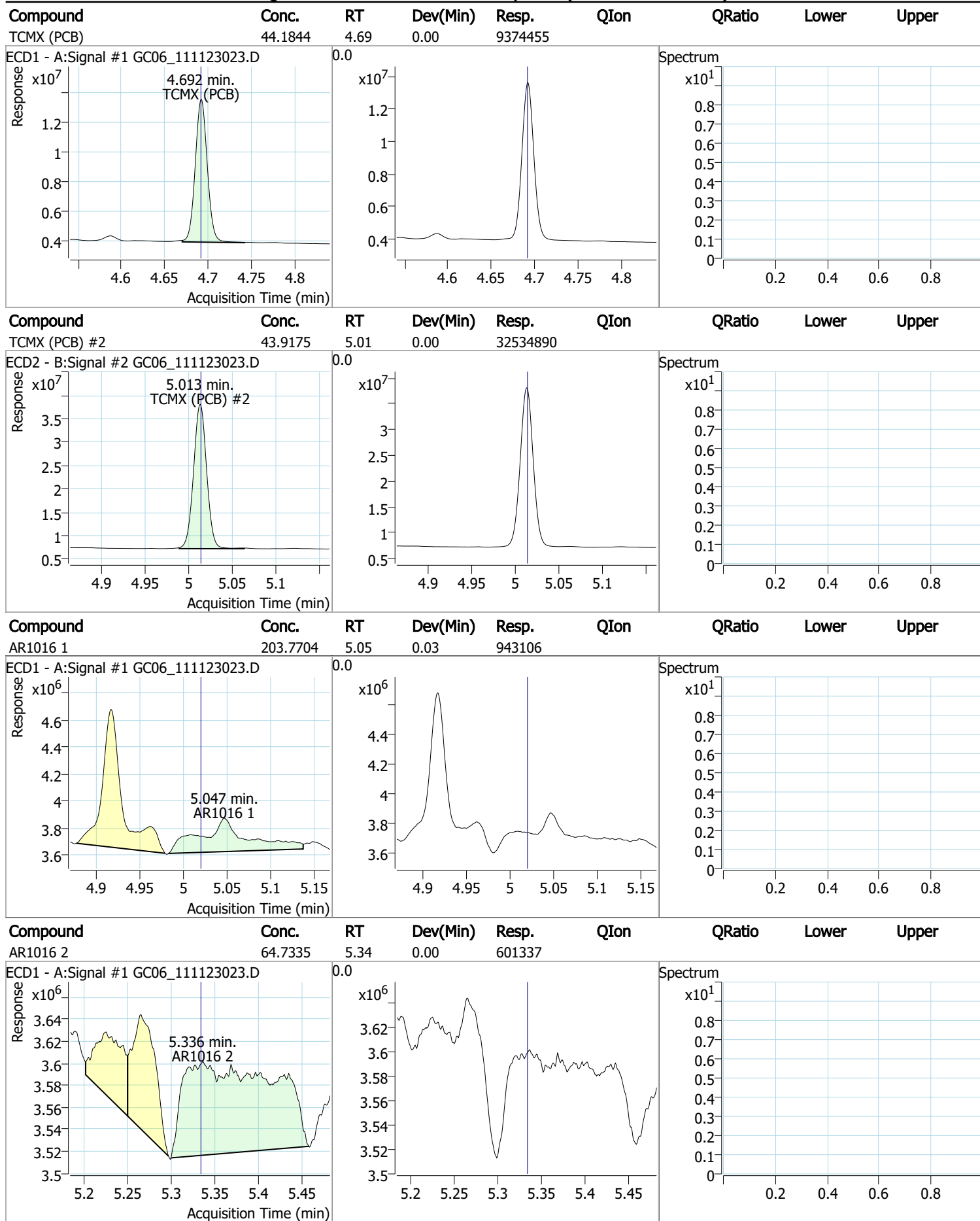
QValue

Quantitation Results Report (Not Reviewed)

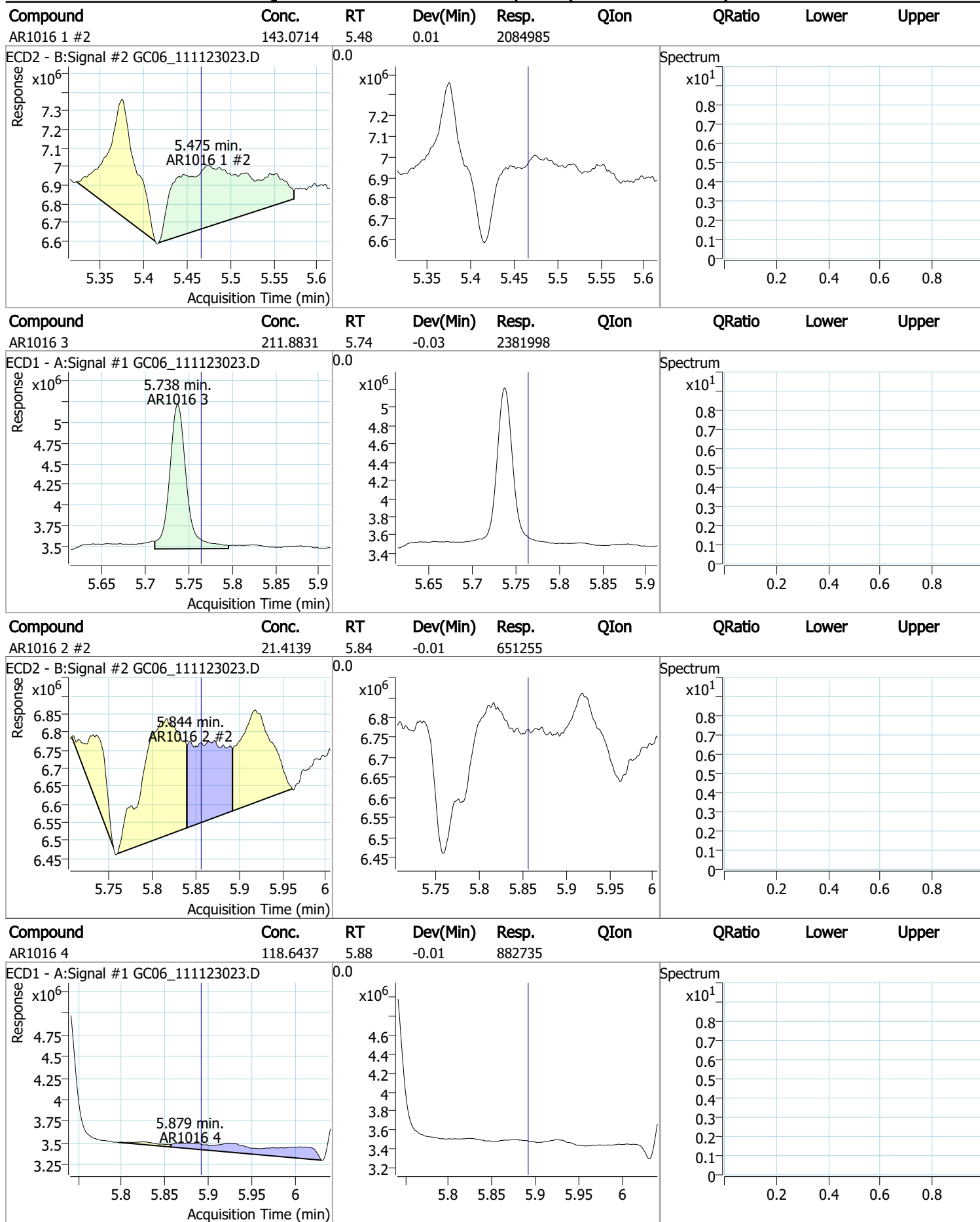
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.047	0.0	943106.143	203.7704	ng/ml	100
T AR1016 2	5.336	0.0	601337.046	64.7335	ng/ml	100
T AR1016 1 #2	5.475	0.0	2084984.879	143.0714	ng/ml	100
T AR1016 3	5.738	0.0	2381998.082	211.8831	ng/ml	100
T AR1016 2 #2	5.844	0.0	651255.364	21.4139	ng/ml	100
T AR1016 4	5.879	0.0	882734.779	118.6437	ng/ml	100
T AR1016 5	6.308	0.0	112559.340	16.8117	ng/ml	100
T AR1016 3 #2	6.331	0.0	1561383.366	38.5819	ng/ml	100
T AR1016 4 #2	6.494	0.0	369809.120	13.6027	ng/ml	100
T AR1016 5 #2	7.069	0.0	59162.902	2.6341	ng/ml	100
T AR1260 1	7.887	0.0	2179263.197	169.0317	ng/ml	100
T AR1260 2	8.378	0.0	51046.613	2.5409	ng/ml	100
T AR1260 3	8.872	0.0	97277.679	4.6113	ng/ml	100
T AR1260 1 #2	9.323	0.0	788490.148	18.8975	ng/ml	100
T AR1260 4	9.613	0.0	1854070.475	167.1976	ng/ml	100
T AR1260 2 #2	9.673	0.0	943563.225	18.7436	ng/ml	100
T AR1260 3 #2	10.076	0.0	740852.261	11.5448	ng/ml	100
T AR1260 5	10.432	0.0	1389226.903	98.1775	ng/ml	100
T AR1260 4 #2	10.505	0.0	1087943.037	27.8862	ng/ml	100
T AR1260 5 #2	11.268	0.0	12374131.348	214.0072	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)

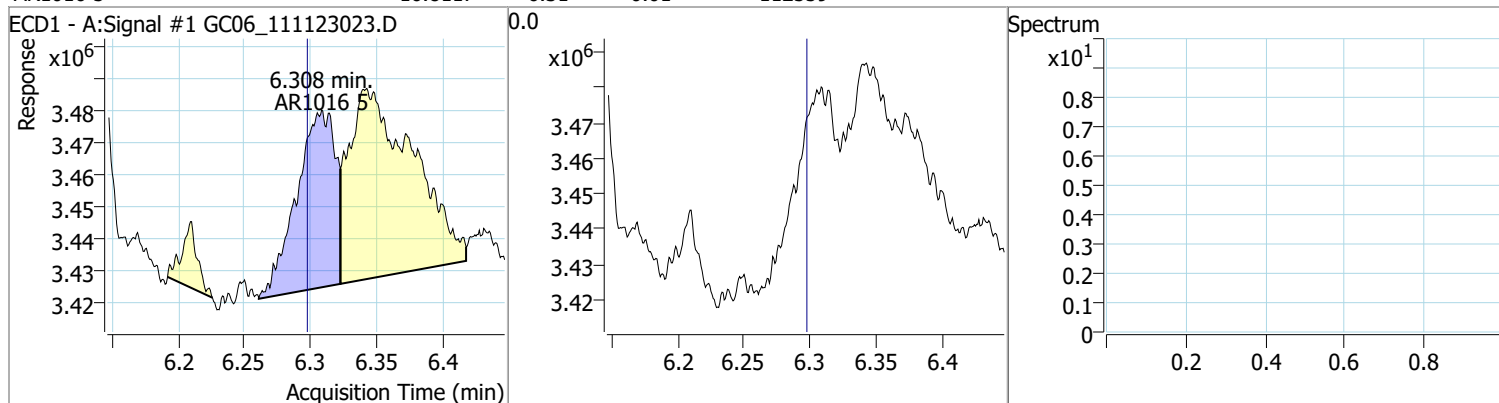


Quantitation Results Report (Not Reviewed)

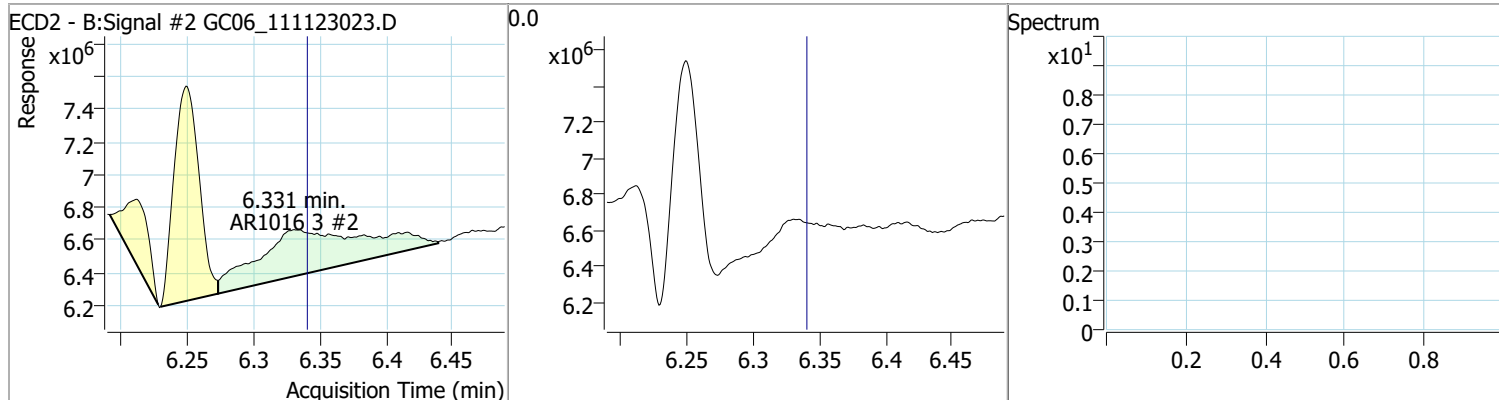


Quantitation Results Report (Not Reviewed)

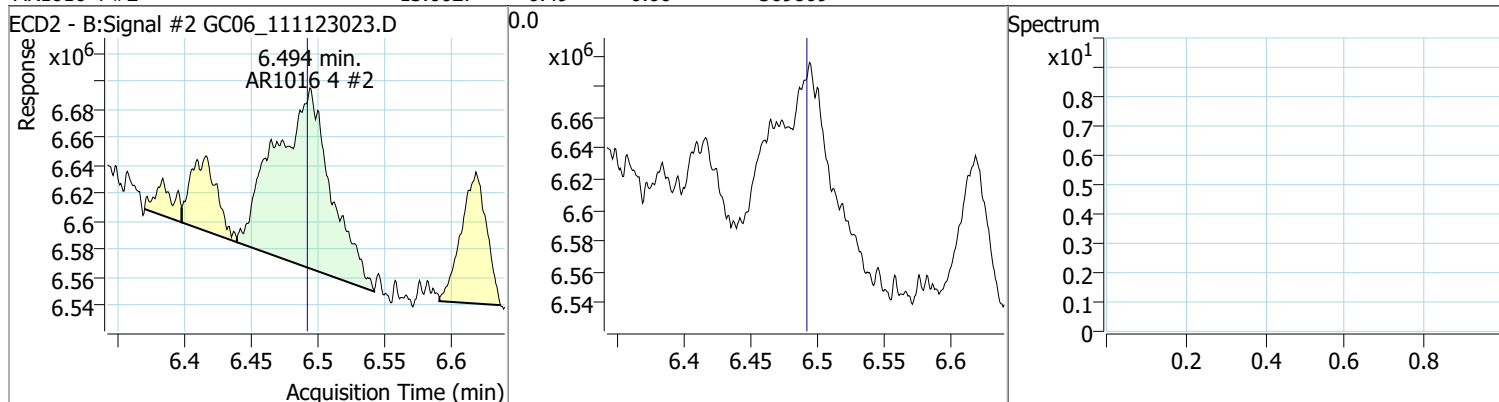
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	16.8117	6.31	0.01	112559				



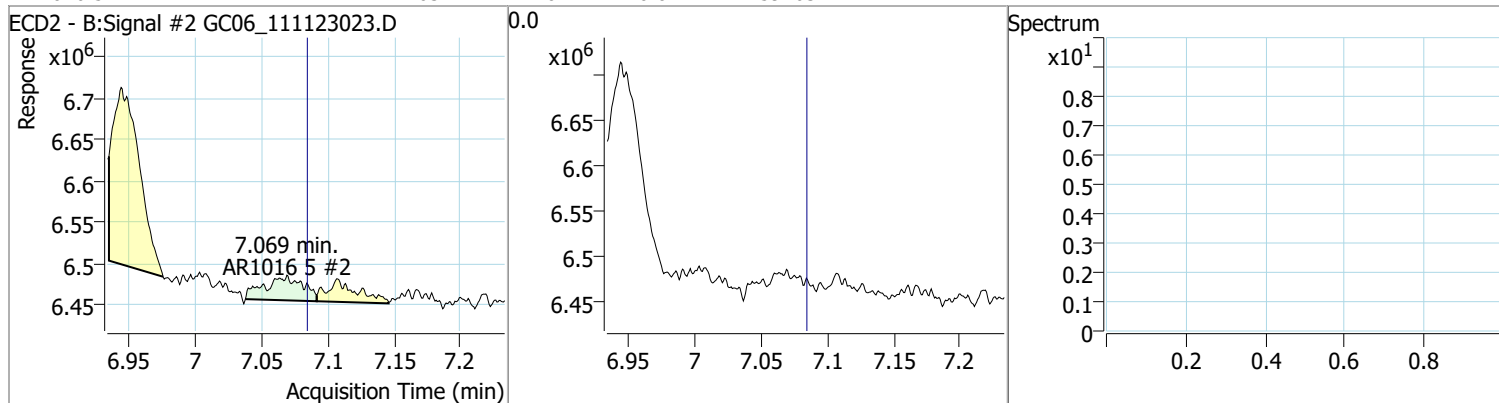
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	38.5819	6.33	-0.01	1561383				



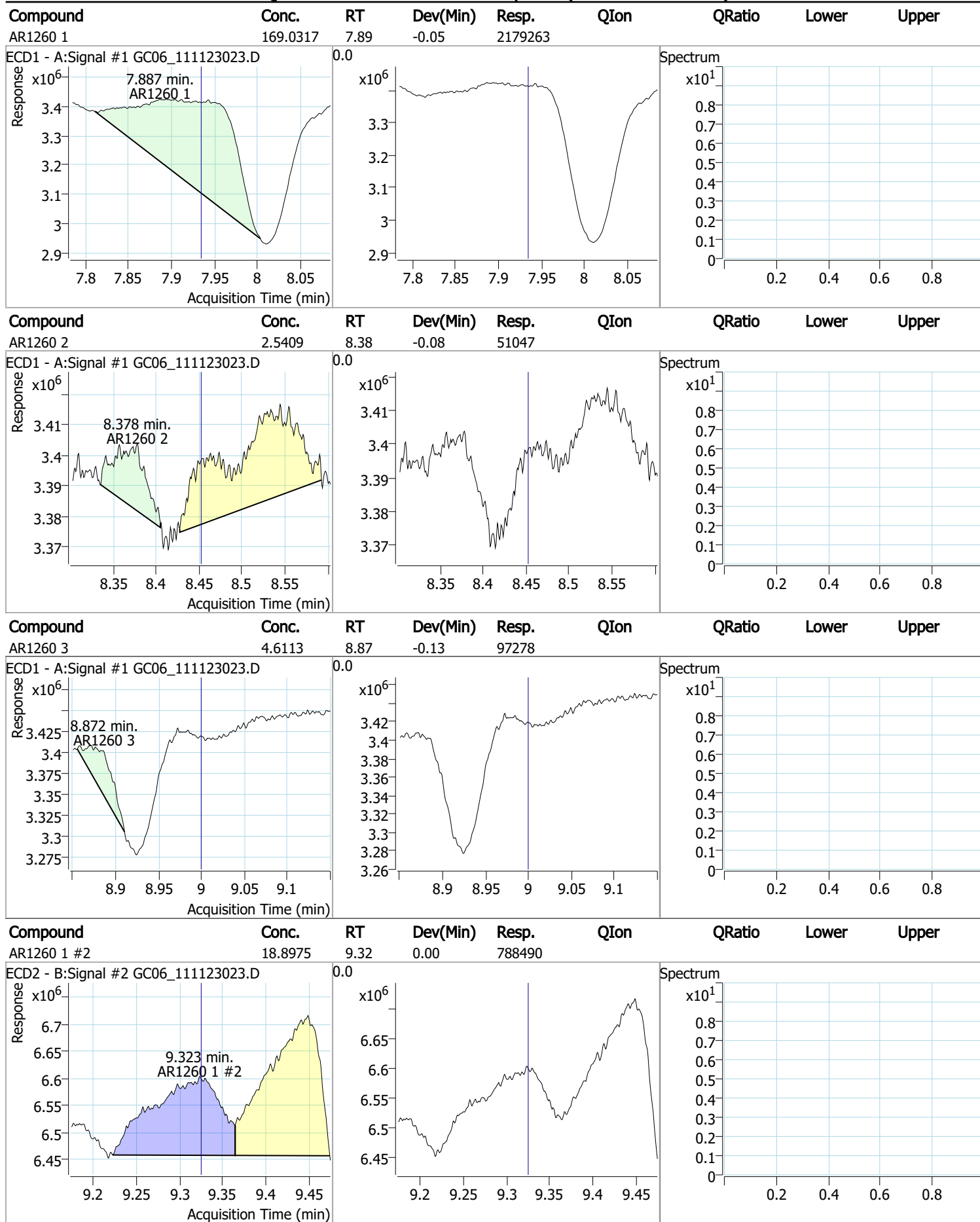
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	13.6027	6.49	0.00	369809				



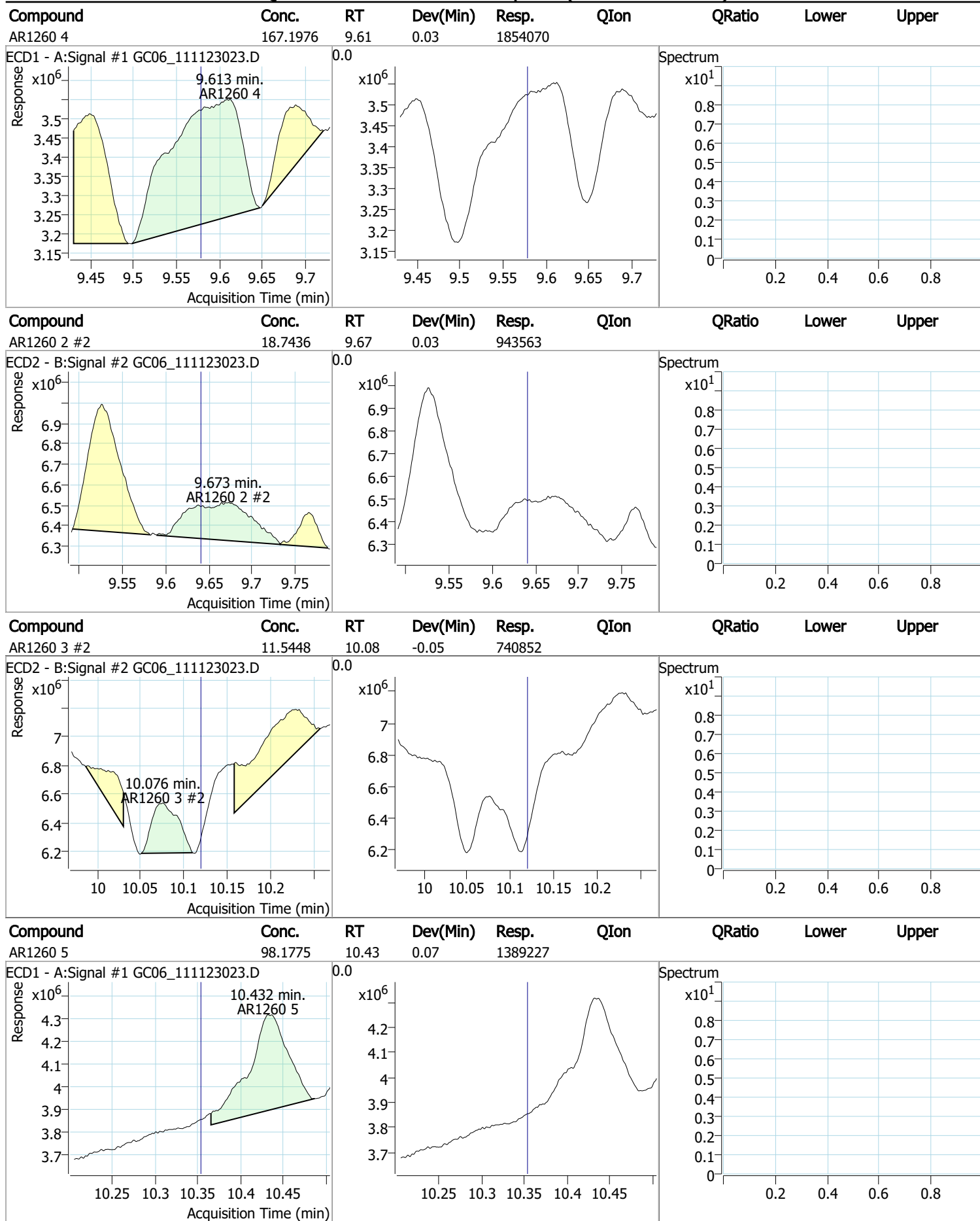
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.6341	7.07	-0.02	59163				



Quantitation Results Report (Not Reviewed)

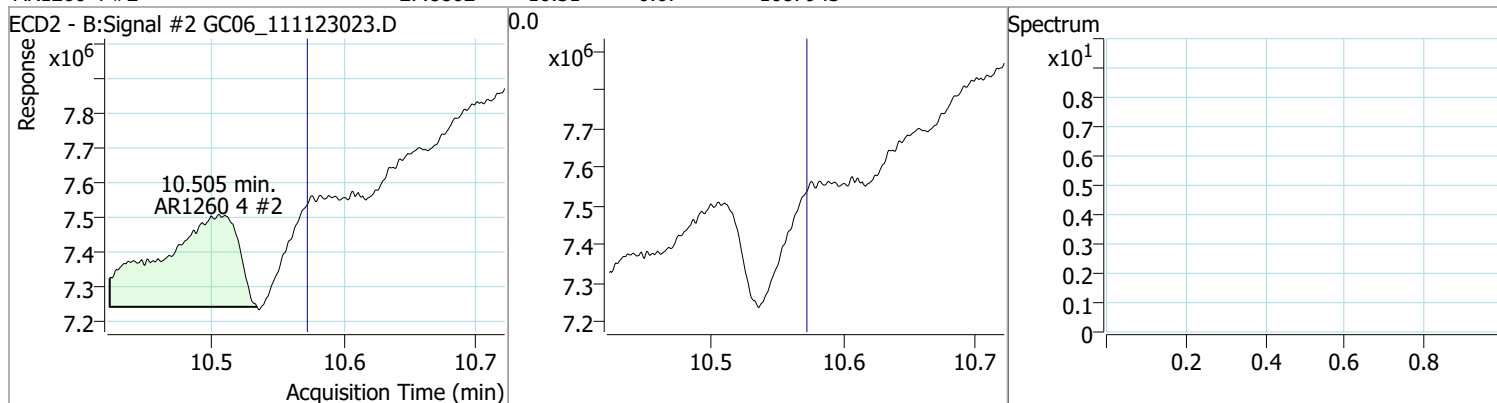


Quantitation Results Report (Not Reviewed)

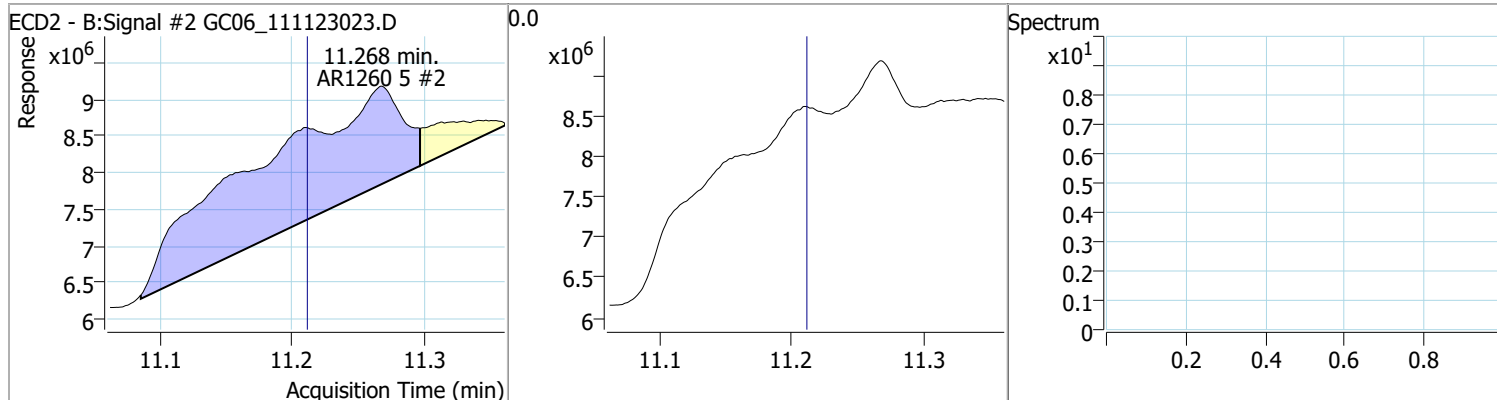


Quantitation Results Report (Not Reviewed)

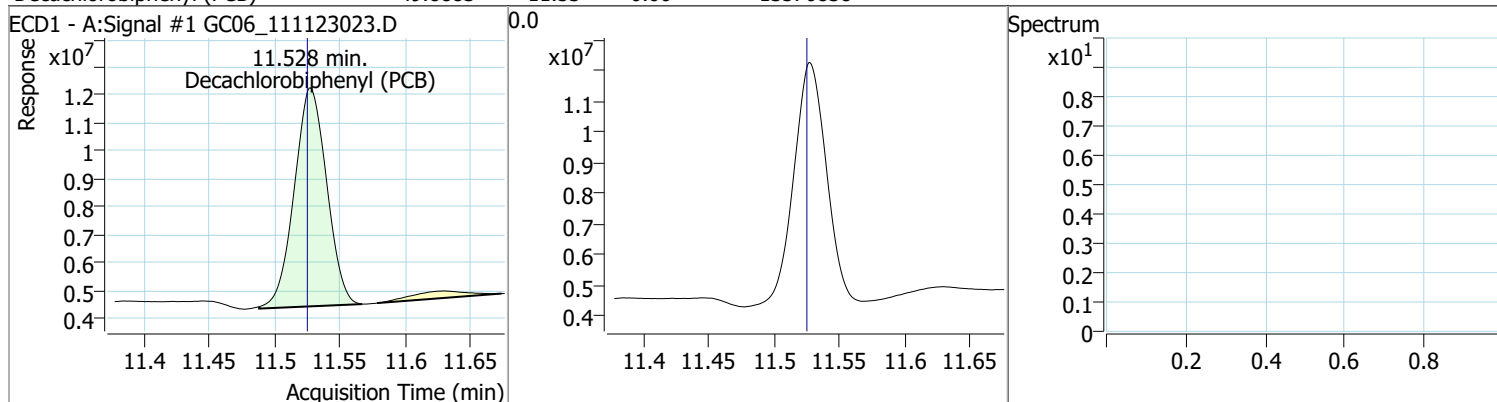
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	27.8862	10.51	-0.07	1087943				



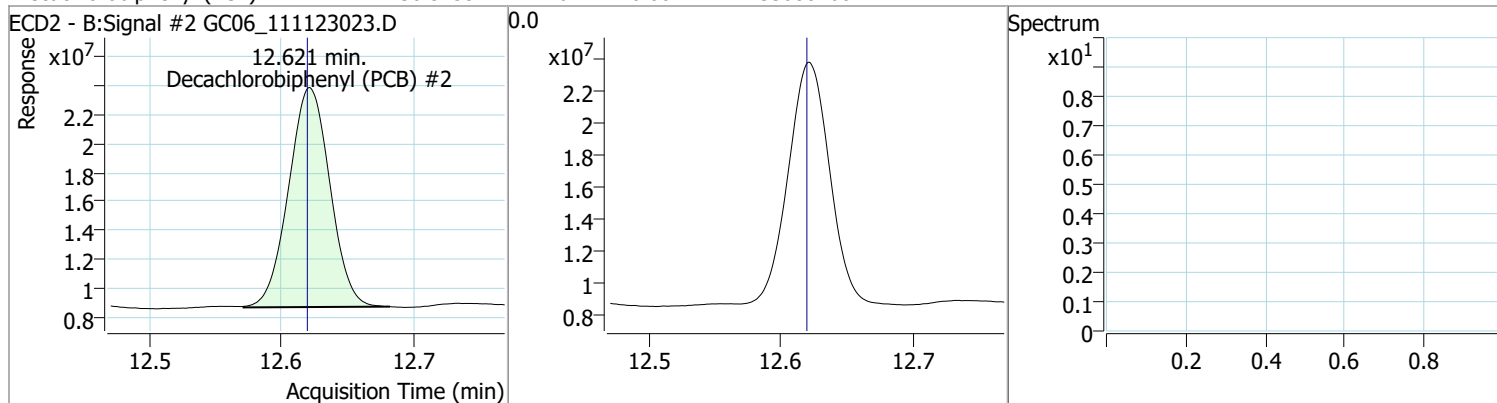
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	214.0072	11.27	0.05	12374131				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	49.8883	11.53	0.00	13570838				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.5755	12.62	0.00	33088260				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-016	Client ID: ARCH-C12E-DG-2.5 TO 3-231109-P-FB
Seqnum: 453454429024	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123024	Batch: 326371	Time: 11-NOV-2023 20:39
Cal: 453416704002	Caldate: 16-OCT-2023	
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	Blank	Flags
Aroclor-1016	B	435.5	4.4 ^{FP}	0.73	142%	0.50		x u
Aroclor-1016 Peak # 1	B	1970	19.70	1.58	170%			
Aroclor-1016 Peak # 2	B	29.92	0.30	0.35	15%			
Aroclor-1016 Peak # 3	B	42.73	0.43	1.23	97%			
Aroclor-1016 Peak # 4	B	11.36	0.11	0.26	79%			
Aroclor-1016 Peak # 5	B	123.3	1.23	0.24	134%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	44.57	ND	0.92	69%	0.50		u
Aroclor-1260 Peak # 1	B	20.49	0.20	1.82	160%			
Aroclor-1260 Peak # 2	B	17.49	0.17	0.02	157%			
Aroclor-1260 Peak # 3	B	10.36	0.10	0.09	12%			
Aroclor-1260 Peak # 4	B	4.235	0.04	1.81	191%			
Aroclor-1260 Peak # 5	B	170.3	1.70	0.84	67%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	34.38	0.5000	0.3438	69	19-121	u
Decachlorobiphenyl (PCB)	B	30.86	0.5000	0.3086	62	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	15864680	16.81
1-bromo-2-nitrobenzene (PCB)	A	4388704	3952069	-9.95

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

11/13/23 : WIPE/1dm2-10ML

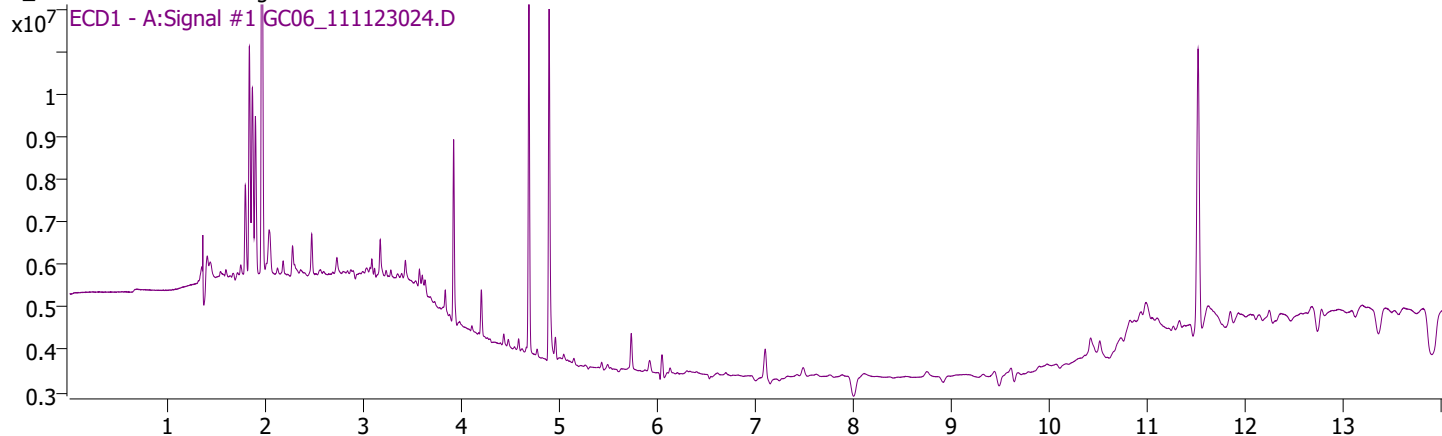
u=use x=false positive

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

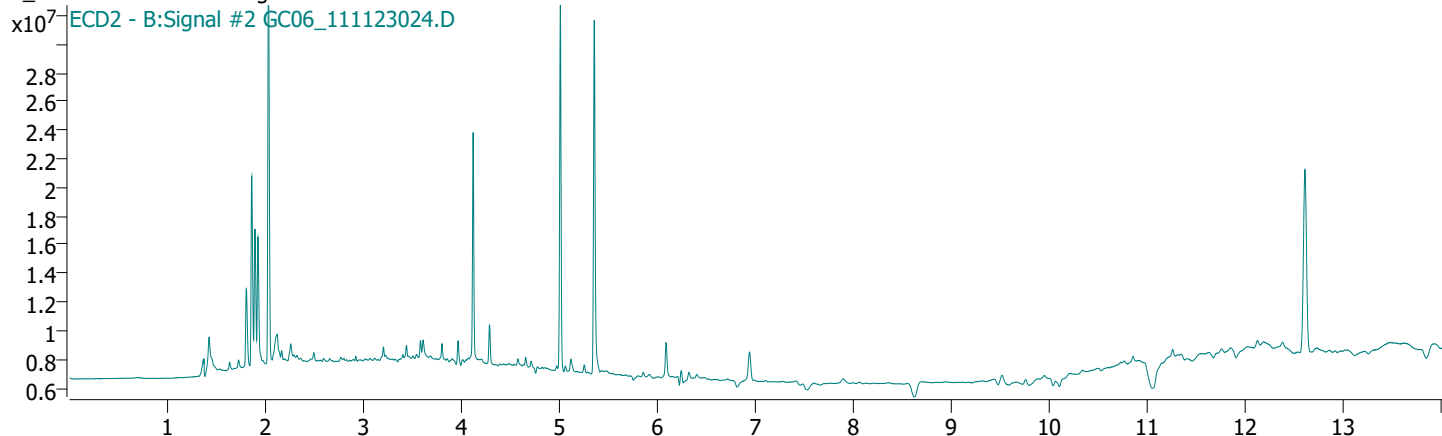
Quantitation Results Report (Not Reviewed)

Data File	GC06_111123024.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 8:39:31 PM
Sample Name	495753-016, 326371, 1	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

GC06_111123024.D No MS Signals



GC06_111123024.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	3952068.99 2	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	15864679.5 83	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.693	0.0	7945222.28 2	40.4066	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.03%	*	
S TCMX (PCB) #2	5.013	0.0	25641338.4 43	34.3836	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.92%	*	
S Decachlorobiphenyl (PCB)	11.528	0.0	11725654.0 61	46.5106	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 232.55%	*	
S Decachlorobiphenyl (PCB) #2	12.620	0.0	28106314.7 17	30.8633	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.32%	*	

Target Compounds

QValue

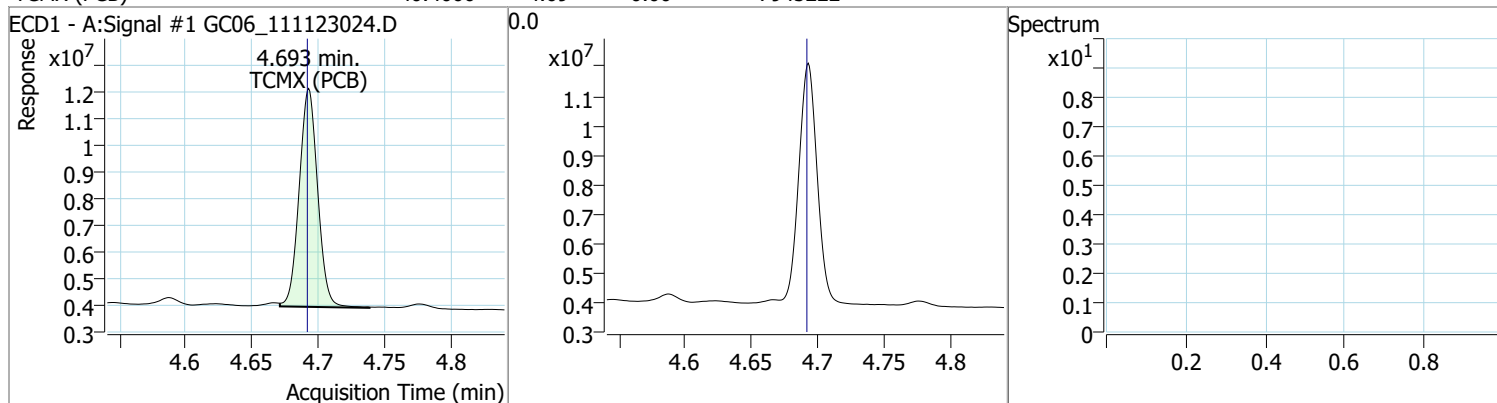
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.963	0.0	676602.681	157.7384	ng/ml	100
T AR1016 2	5.323	0.0	299167.173	34.7495	ng/ml	100
T AR1016 1 #2	5.360	0.0	28903266.911	1970.2411	ng/ml	100
T AR1016 3	5.738	0.0	1285833.216	123.4135	ng/ml	100
T AR1016 2 #2	5.860	0.0	915933.475	29.9179	ng/ml	100
T AR1016 4	5.880	0.0	181315.285	26.2949	ng/ml	100
T AR1016 5	6.306	0.0	150981.333	24.3320	ng/ml	100
T AR1016 3 #2	6.327	0.0	1740895.012	42.7336	ng/ml	100
T AR1016 4 #2	6.487	0.0	310828.454	11.3577	ng/ml	100
T AR1016 5 #2	6.946	0.0	2788704.618	123.3426	ng/ml	100
T AR1260 1	7.896	0.0	2178798.620	182.3471	ng/ml	100
T AR1260 2	8.464	0.0	39198.619	2.1053	ng/ml	100
T AR1260 3	9.128	0.0	179766.116	9.1947	ng/ml	100
T AR1260 1 #2	9.323	0.0	860737.382	20.4928	ng/ml	100
T AR1260 4	9.618	0.0	1856829.625	180.6754	ng/ml	100
T AR1260 2 #2	9.675	0.0	886073.171	17.4853	ng/ml	100
T AR1260 3 #2	10.073	0.0	669469.374	10.3636	ng/ml	100
T AR1260 5	10.432	0.0	1108008.419	84.4900	ng/ml	100
T AR1260 4 #2	10.605	0.0	166314.502	4.2348	ng/ml	100
T AR1260 5 #2	11.270	0.0	9912197.730	170.2966	ng/ml	100

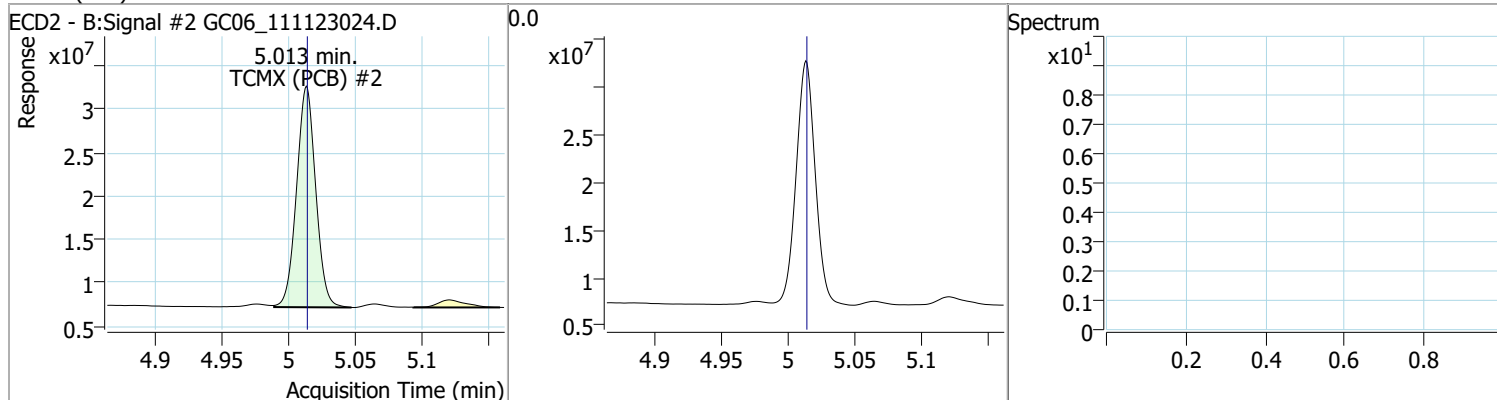
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

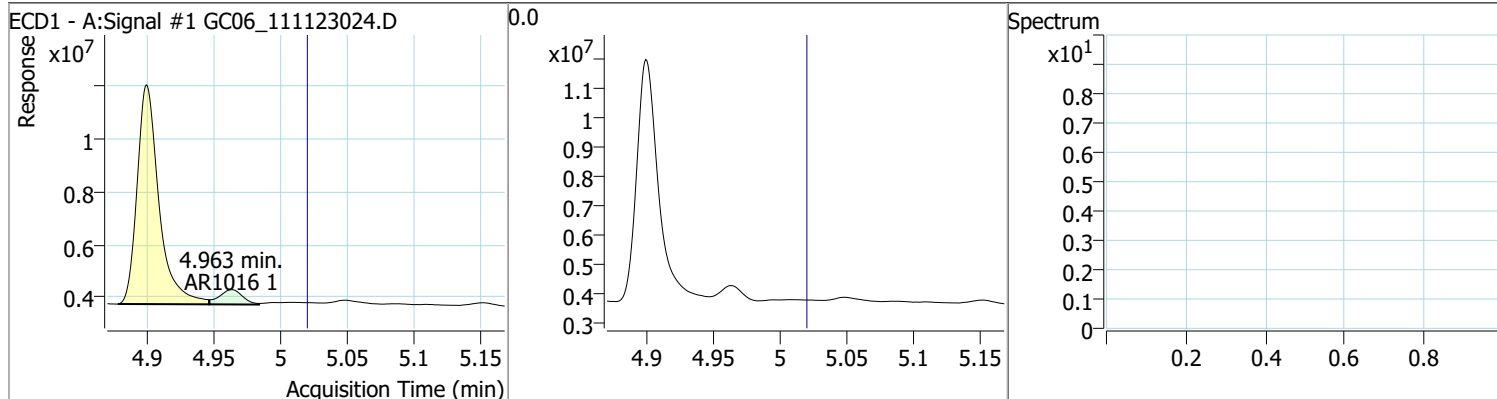
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.4066	4.69	0.00	7945222				



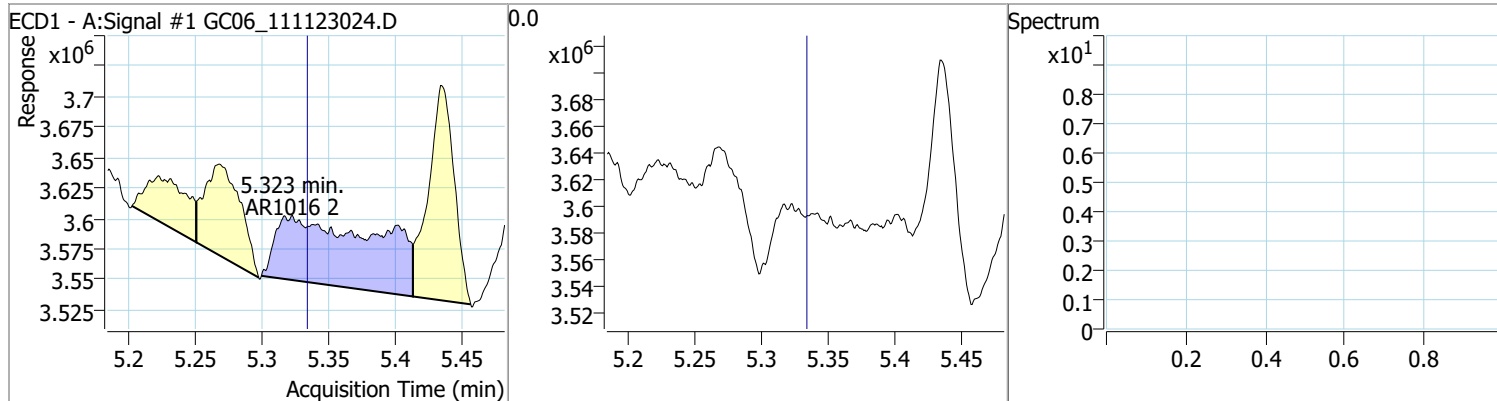
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.3836	5.01	0.00	25641338				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	157.7384	4.96	-0.06	676603				

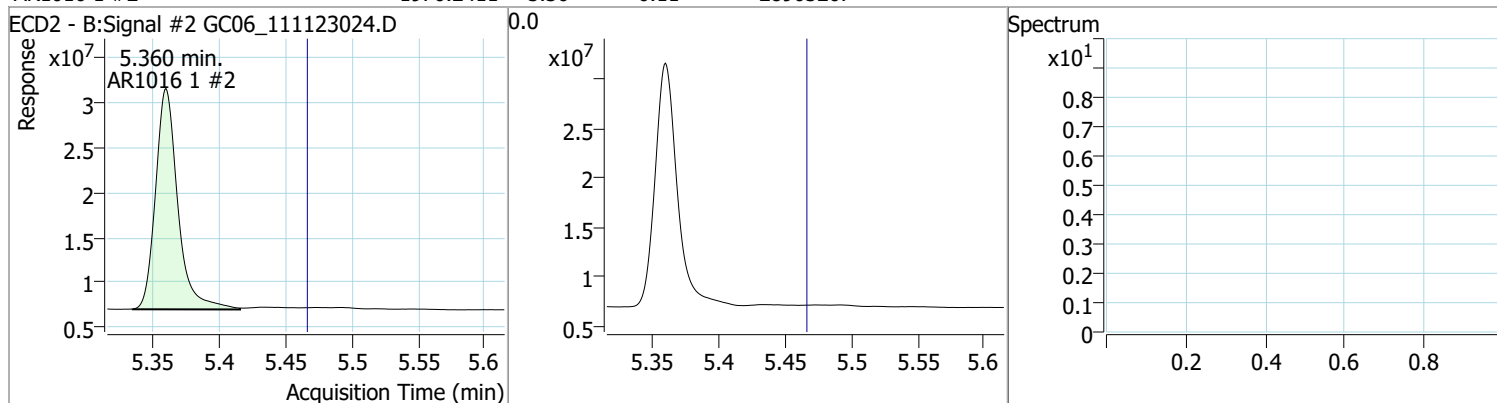


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	34.7495	5.32	-0.01	299167				

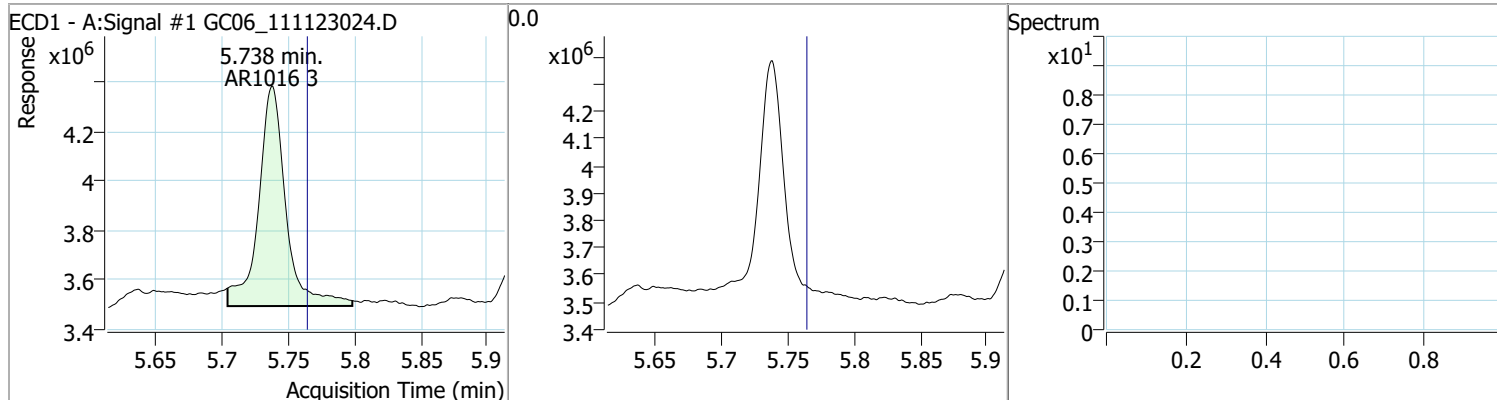


Quantitation Results Report (Not Reviewed)

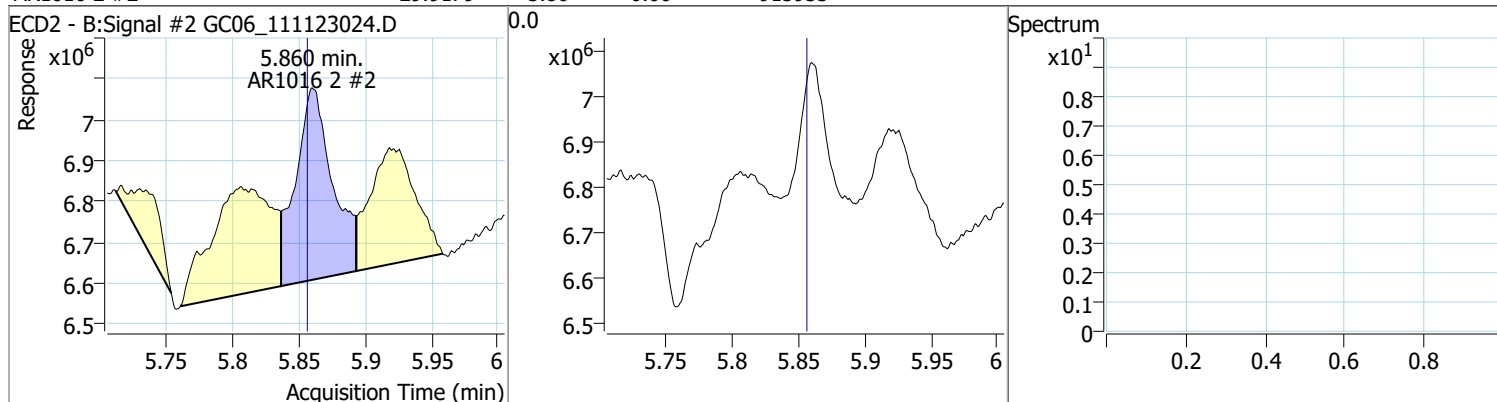
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1970.2411	5.36	-0.11	28903267				



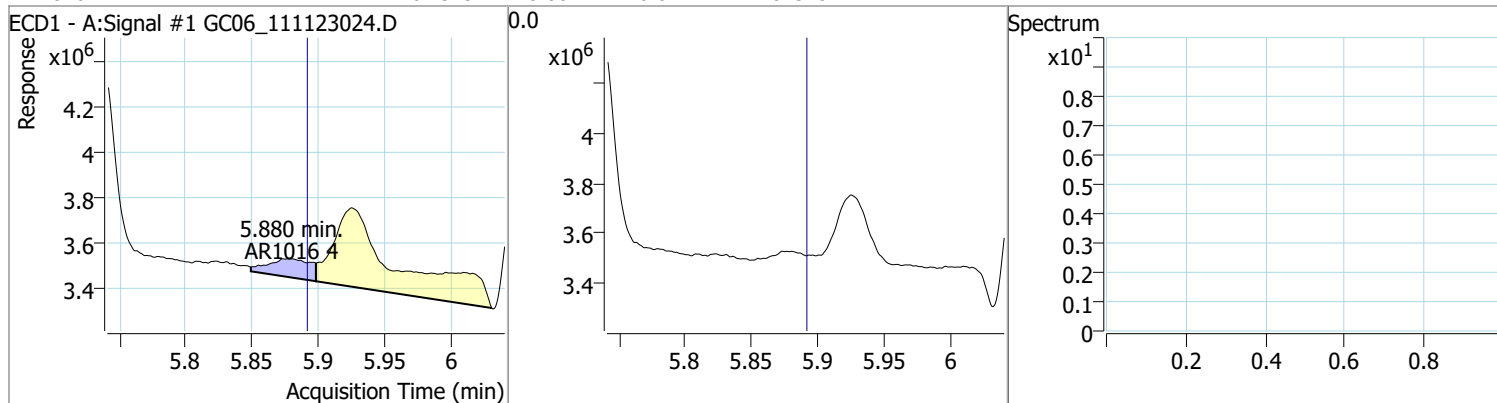
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	123.4135	5.74	-0.03	1285833				



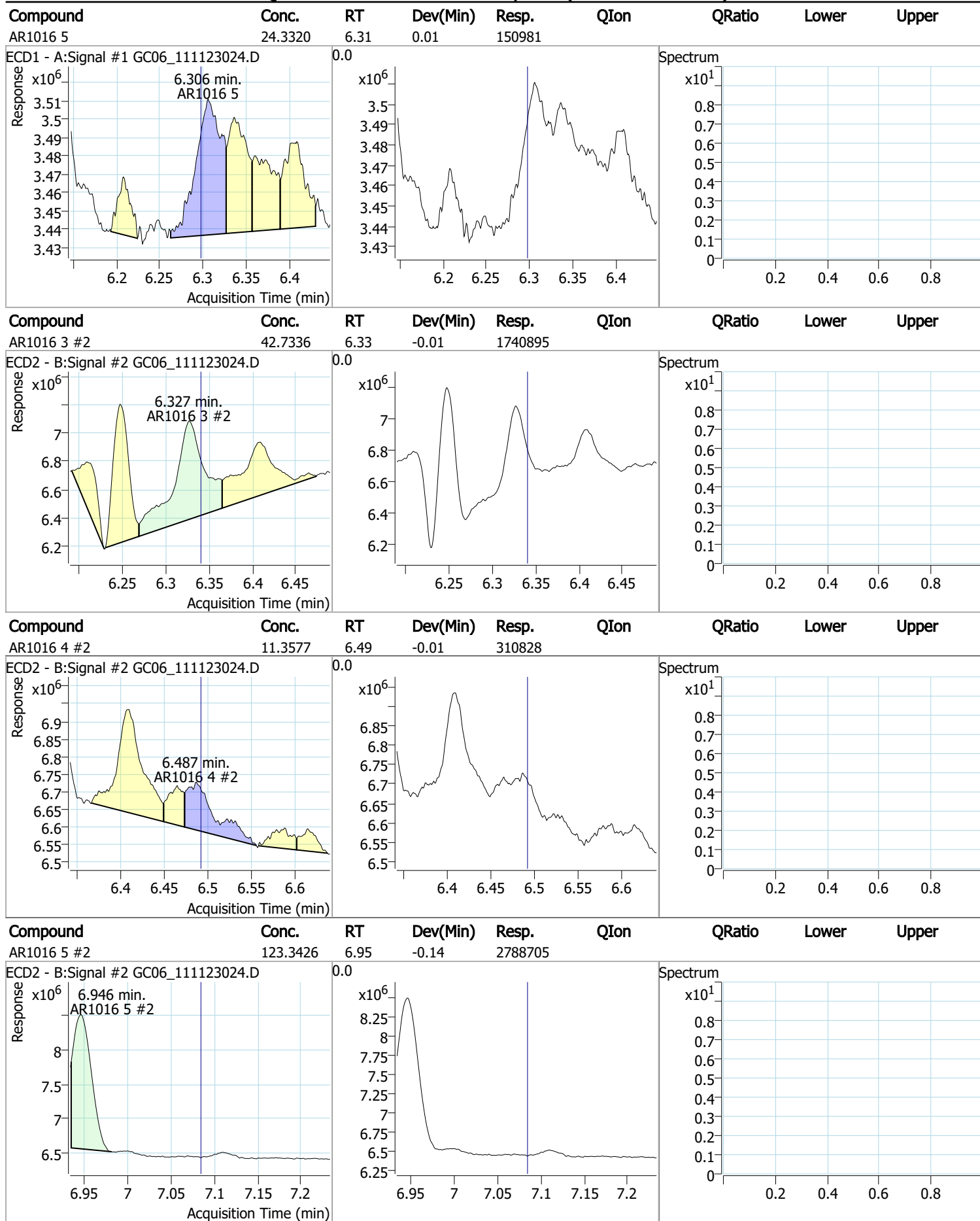
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	29.9179	5.86	0.00	915933				



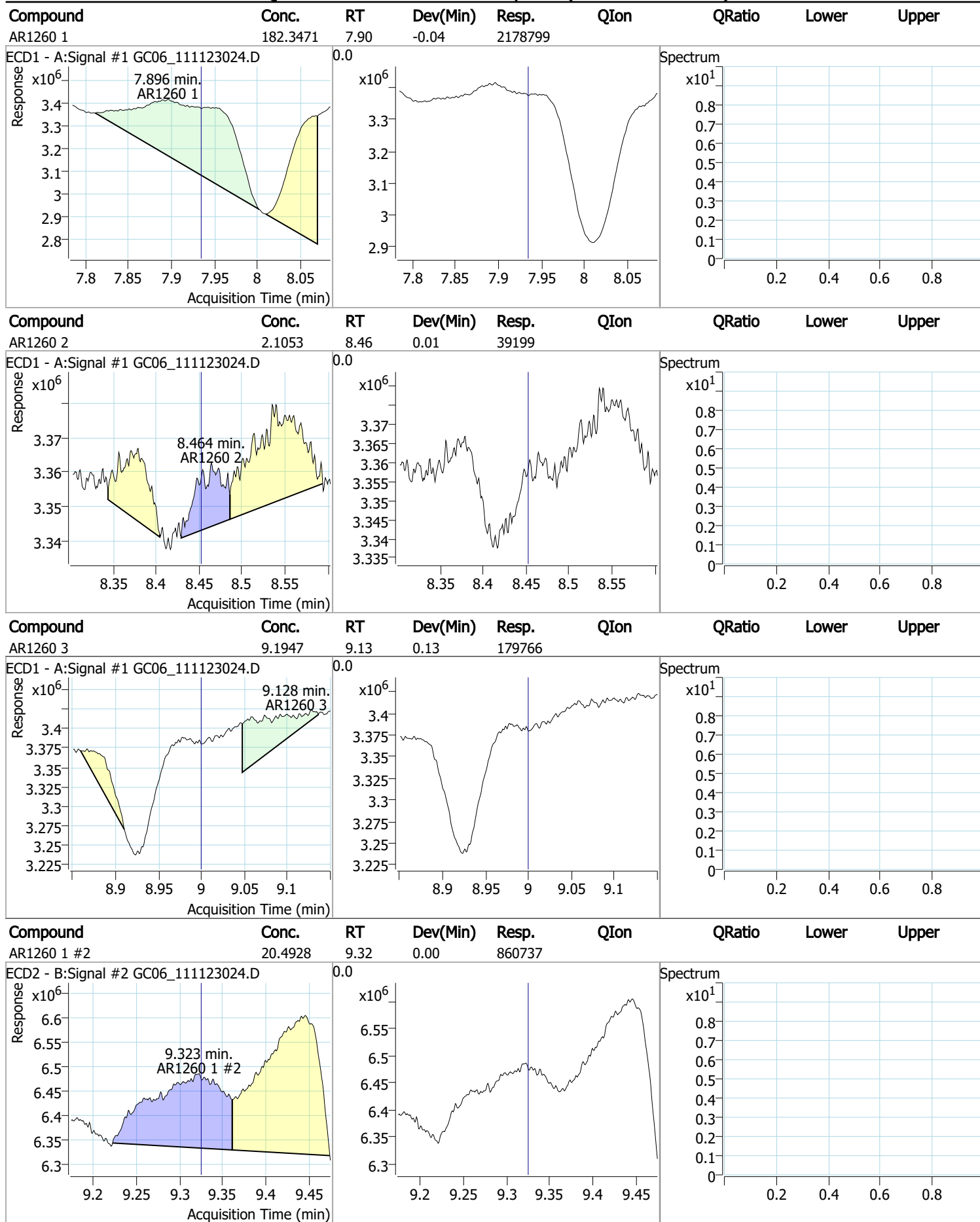
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	26.2949	5.88	-0.01	181315				



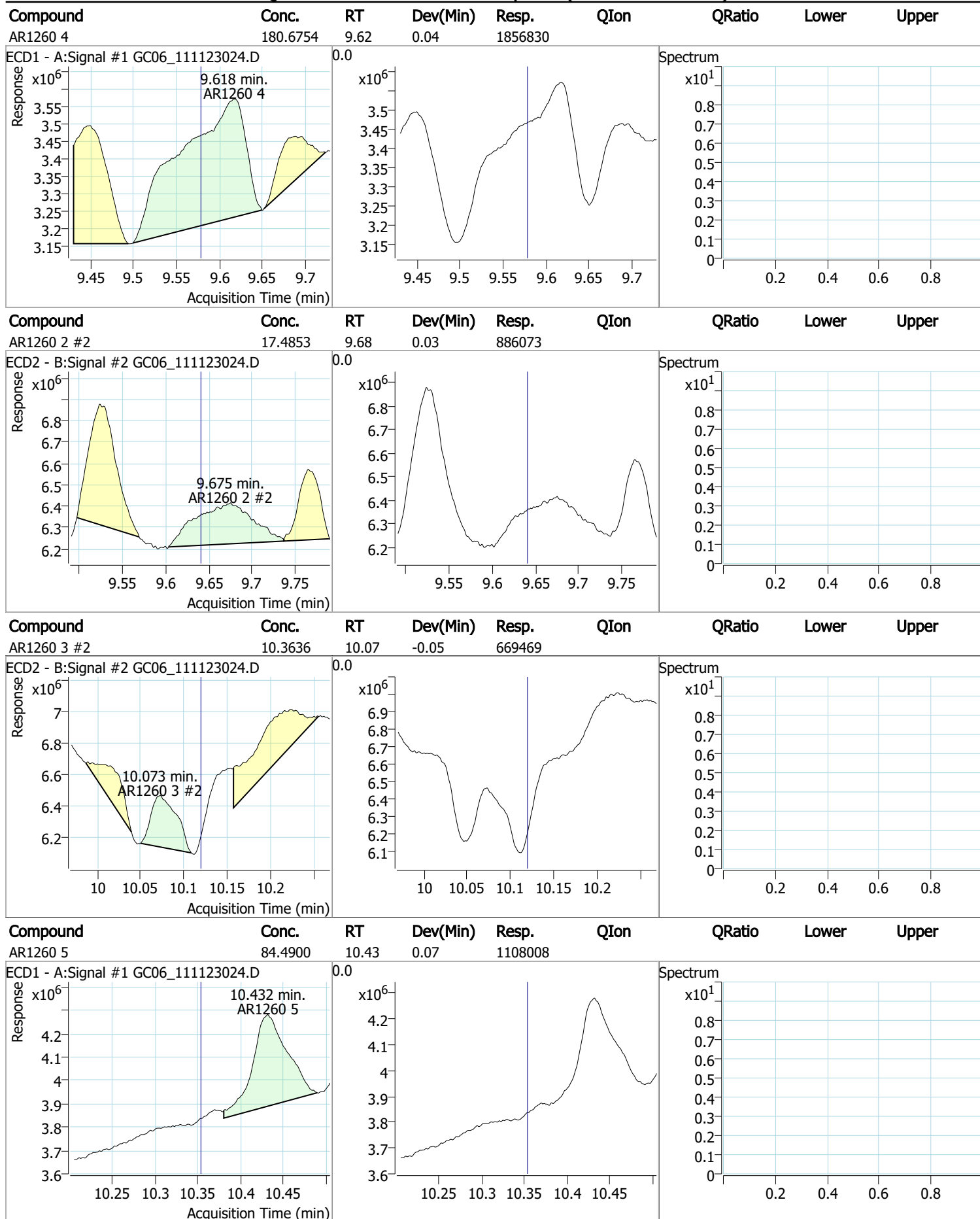
Quantitation Results Report (Not Reviewed)



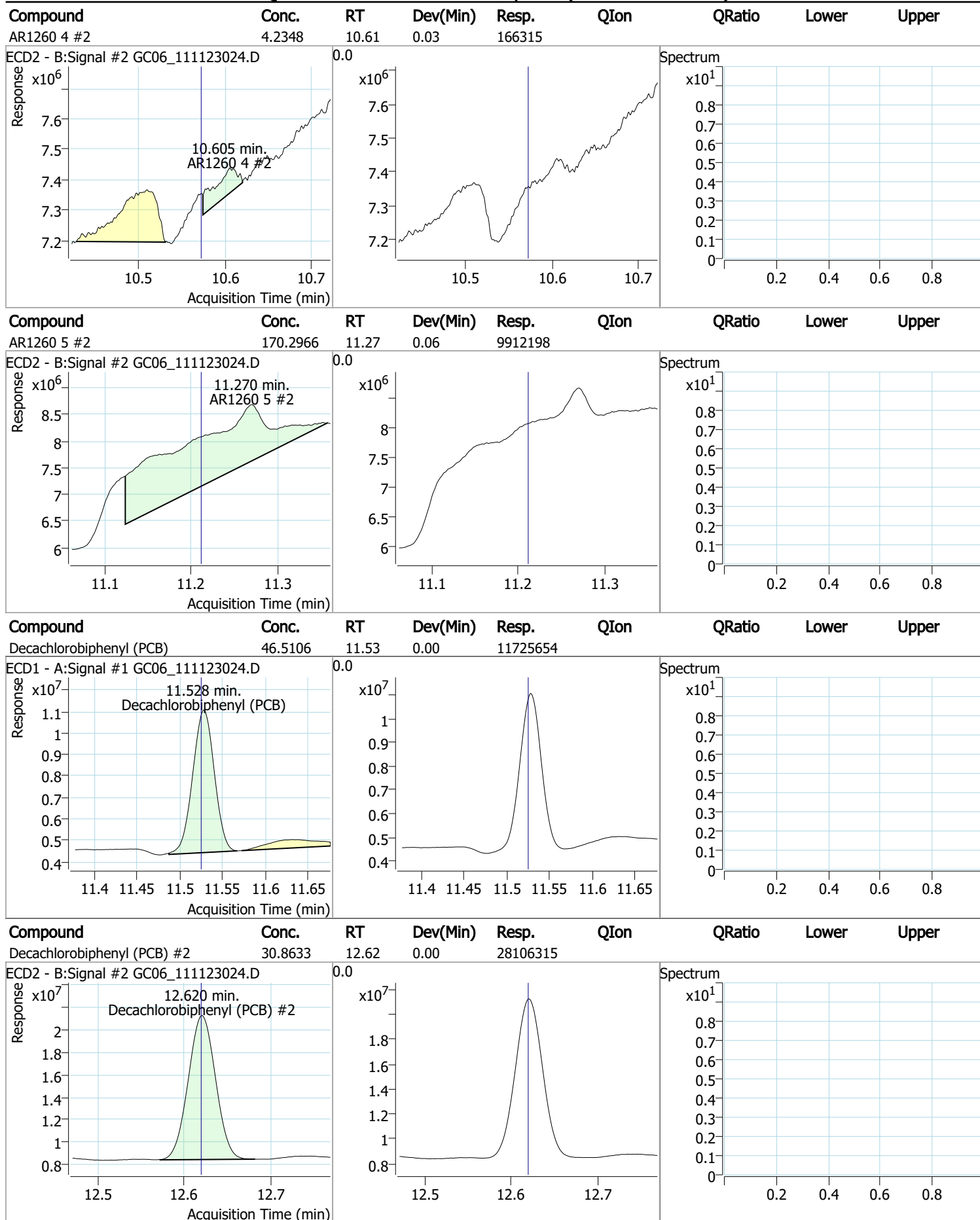
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-018	Client ID: ARCH-C13E-PS-2.5-231109-P-G
Seqnum: 453454429025	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123025	Batch: 326371	Time: 11-NOV-2023 20:57
Cal: 453416704002	Caldate: 16-OCT-2023	
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	Blank	Flags
Aroclor-1016	B	42.78	ND	0.56	27%	0.50		u
Aroclor-1016 Peak # 1	B	64.98	0.65	0.20	106%			
Aroclor-1016 Peak # 2	B	29.70	0.30	0.33	10%			
Aroclor-1016 Peak # 3	B	31.06	0.31	1.81	141%			
Aroclor-1016 Peak # 4	B	12.37	0.12	0.22	57%			
Aroclor-1016 Peak # 5	B	75.81	0.76	0.24	103%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	49.47	ND	1.0	69%	0.50		u
Aroclor-1260 Peak # 1	B	20.70	0.21	2.10	164%			
Aroclor-1260 Peak # 2	B	18.82	0.19	0.04	134%			
Aroclor-1260 Peak # 3	B	10.74	0.11	0.06	60%			
Aroclor-1260 Peak # 4	B	11.44	0.11	1.92	177%			
Aroclor-1260 Peak # 5	B	185.7	1.86	0.96	64%			
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	40.14	0.5000	0.4014	80	19-121	u
Decachlorobiphenyl (PCB)	B	35.05	0.5000	0.3505	70	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	16082560	18.41
1-bromo-2-nitrobenzene (PCB)	A	4388704	3987890	-9.13

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

11/13/23 : WIPE/1dm2-10ML

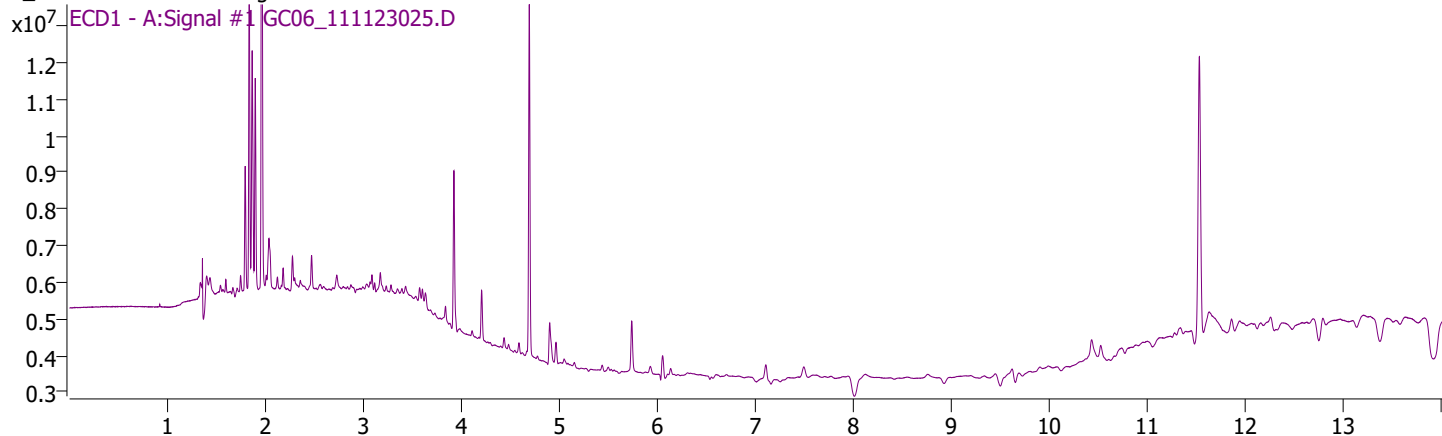
U=use

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

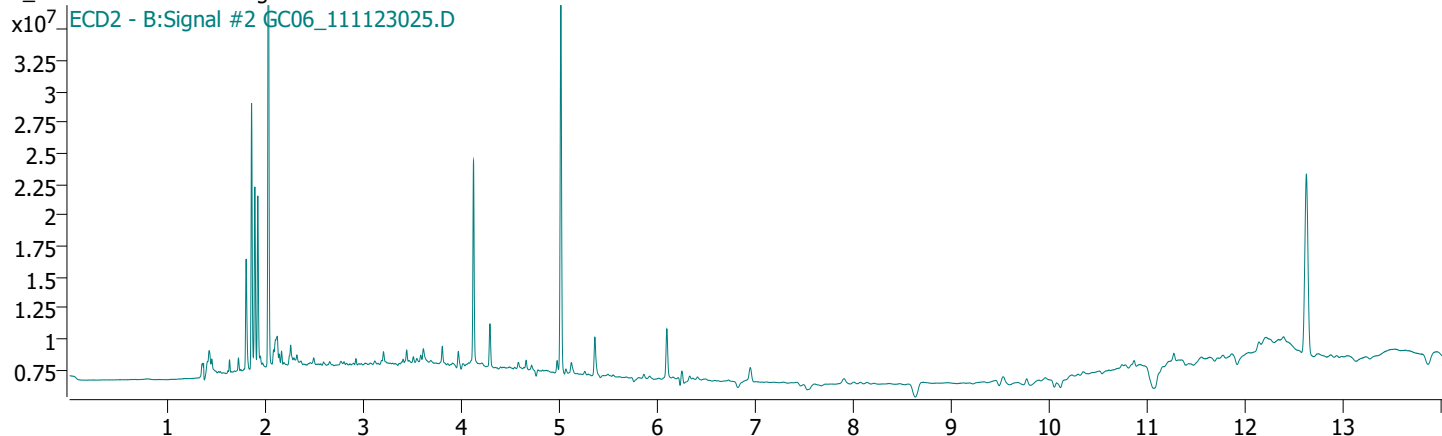
Quantitation Results Report (Not Reviewed)

Data File	GC06_111123025.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 8:57:44 PM
Sample Name	495753-018, 326371, 1	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

GC06_111123025.D No MS Signals



GC06_111123025.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	3987889.51 2	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.122	0.0	16082559.8 75	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.692	0.0	9196949.09 4	46.3523	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.76%	*	
S TCMX (PCB) #2	5.013	0.0	30348198.6 59	40.1439	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.72%	*	
S Decachlorobiphenyl (PCB)	11.530	0.0	13367058.4 11	52.5451	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 262.73%	*	
S Decachlorobiphenyl (PCB) #2	12.623	0.0	32353257.0 69	35.0455	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 175.23%	*	

Target Compounds

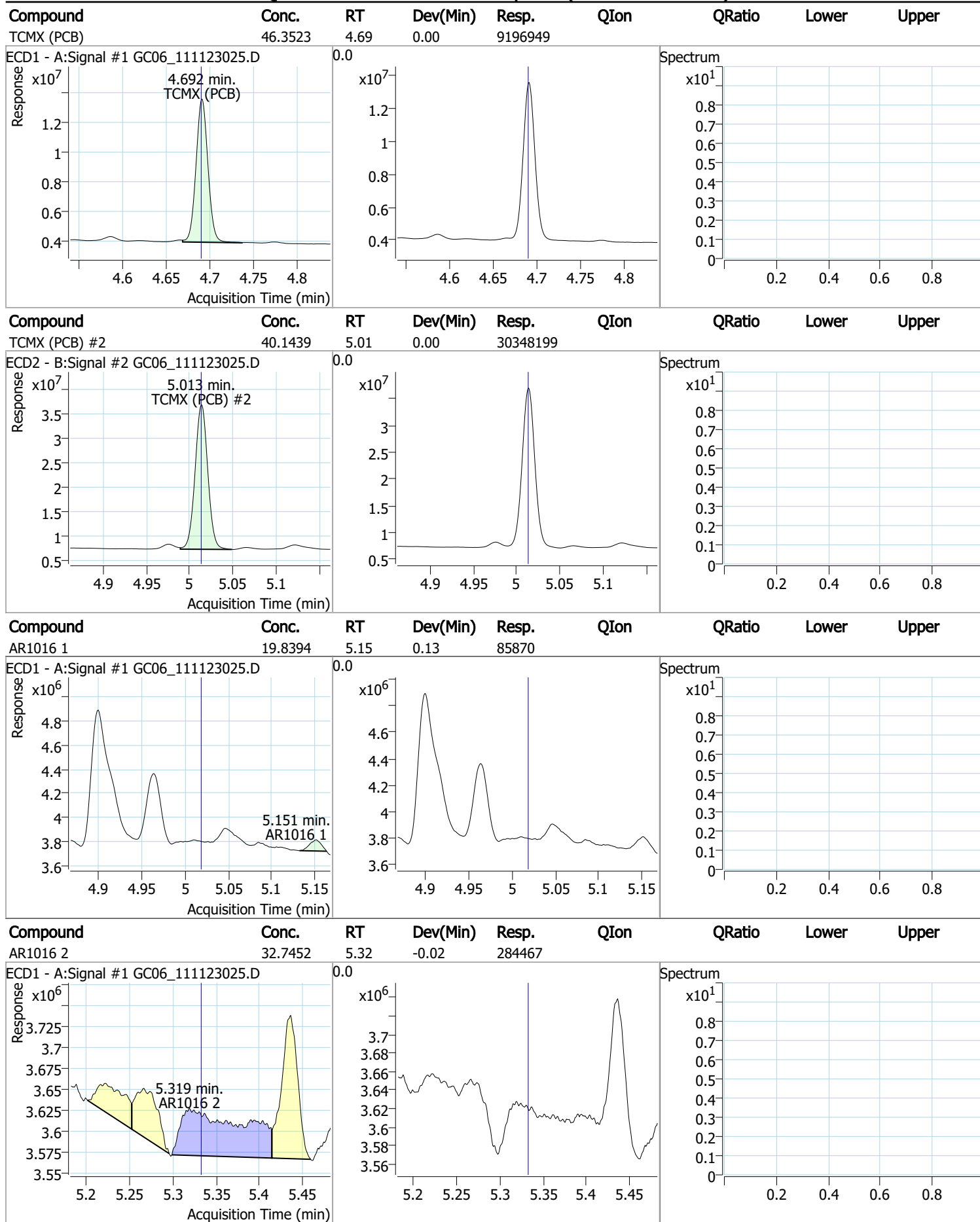
QValue

Quantitation Results Report (Not Reviewed)

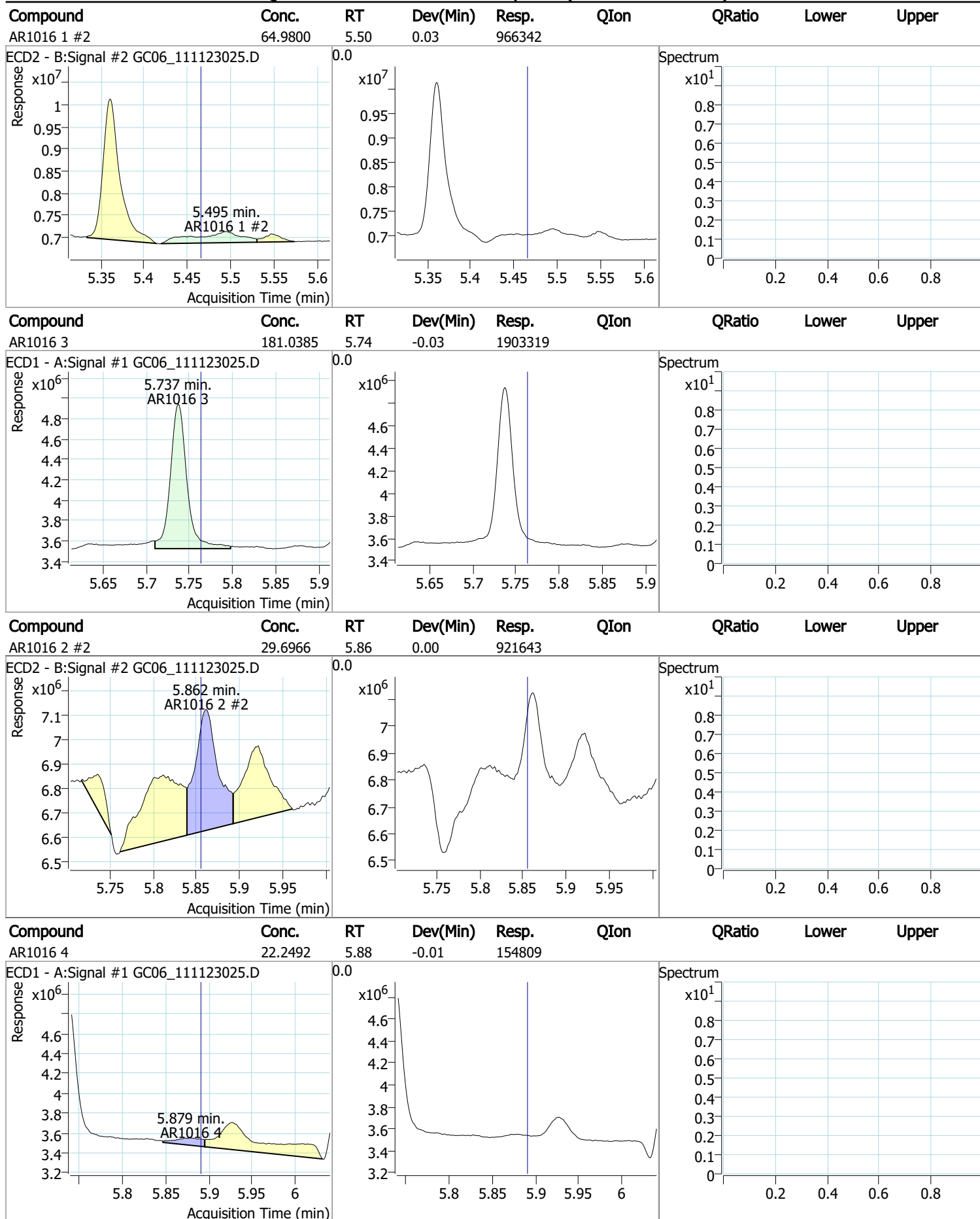
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.151	0.0	85870.365	19.8394	ng/ml	100
T AR1016 2	5.319	0.0	284466.980	32.7452	ng/ml	100
T AR1016 1 #2	5.495	0.0	966342.120	64.9800	ng/ml	100
T AR1016 3	5.737	0.0	1903318.589	181.0385	ng/ml	100
T AR1016 2 #2	5.862	0.0	921642.906	29.6966	ng/ml	100
T AR1016 4	5.879	0.0	154808.757	22.2492	ng/ml	100
T AR1016 5	6.307	0.0	152598.859	24.3718	ng/ml	100
T AR1016 3 #2	6.328	0.0	1282628.230	31.0580	ng/ml	100
T AR1016 4 #2	6.487	0.0	343239.667	12.3721	ng/ml	100
T AR1016 5 #2	6.947	0.0	1737617.091	75.8125	ng/ml	100
T AR1260 1	7.941	0.0	2536808.718	210.4025	ng/ml	100
T AR1260 2	8.466	0.0	69840.997	3.7174	ng/ml	100
T AR1260 3	8.870	0.0	113678.741	5.7623	ng/ml	100
T AR1260 1 #2	9.323	0.0	881401.800	20.7005	ng/ml	100
T AR1260 4	9.619	0.0	1987118.091	191.6161	ng/ml	100
T AR1260 2 #2	9.673	0.0	966570.642	18.8154	ng/ml	100
T AR1260 3 #2	10.073	0.0	703259.938	10.7392	ng/ml	100
T AR1260 5	10.432	0.0	1268318.646	95.8455	ng/ml	100
T AR1260 4 #2	10.608	0.0	455567.342	11.4428	ng/ml	100
T AR1260 5 #2	11.269	0.0	10955283.589	185.6675	ng/ml	100

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

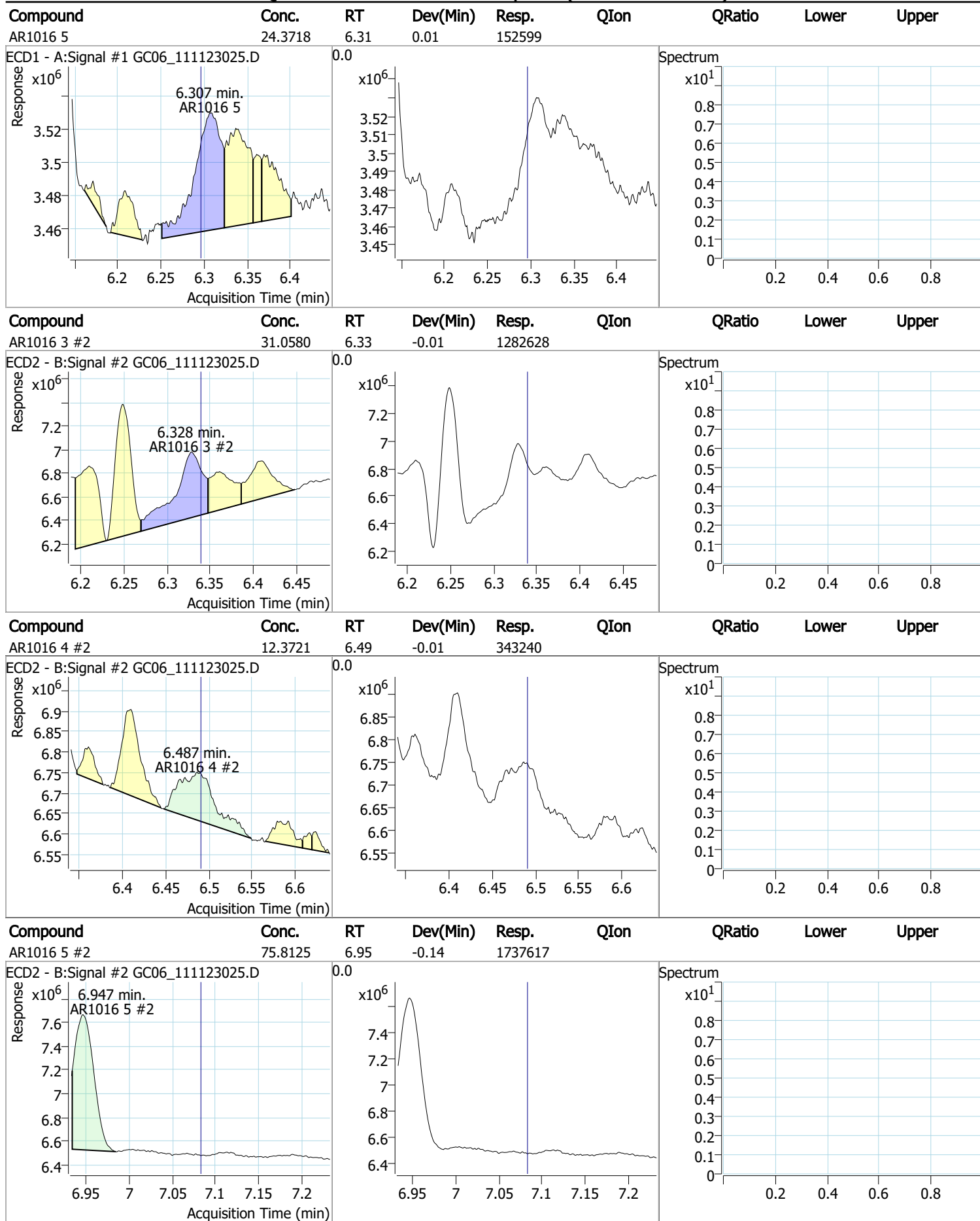
Quantitation Results Report (Not Reviewed)



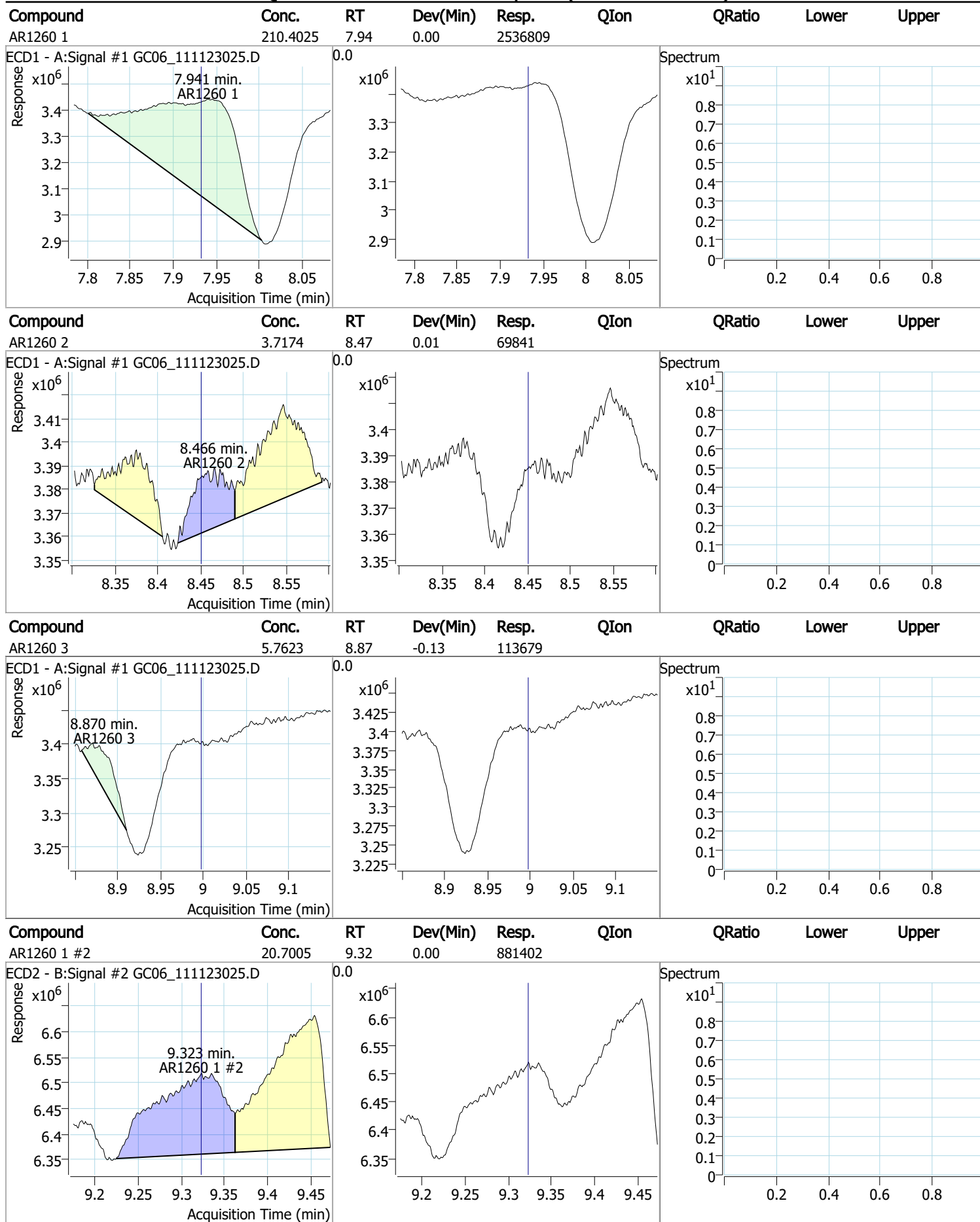
Quantitation Results Report (Not Reviewed)



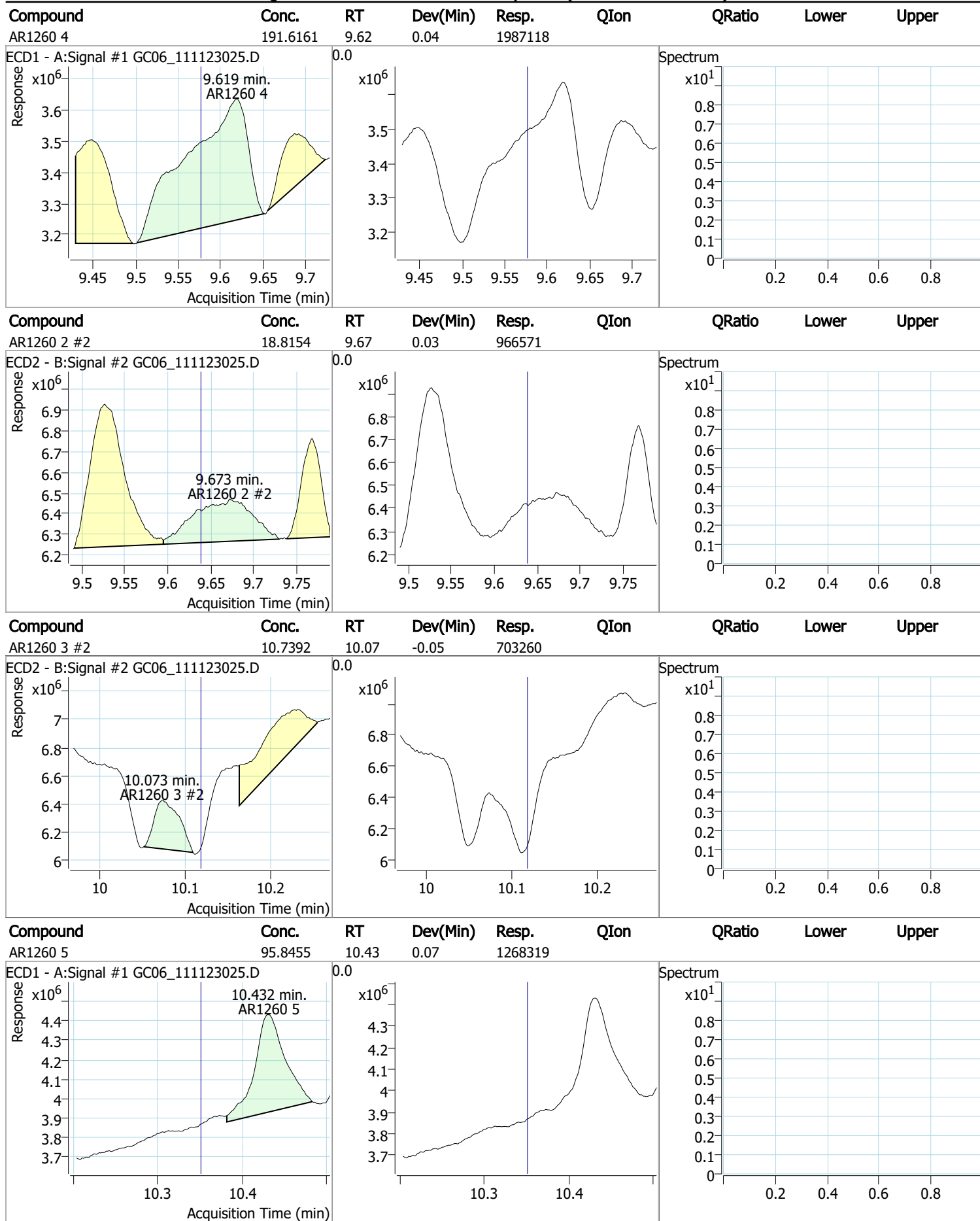
Quantitation Results Report (Not Reviewed)



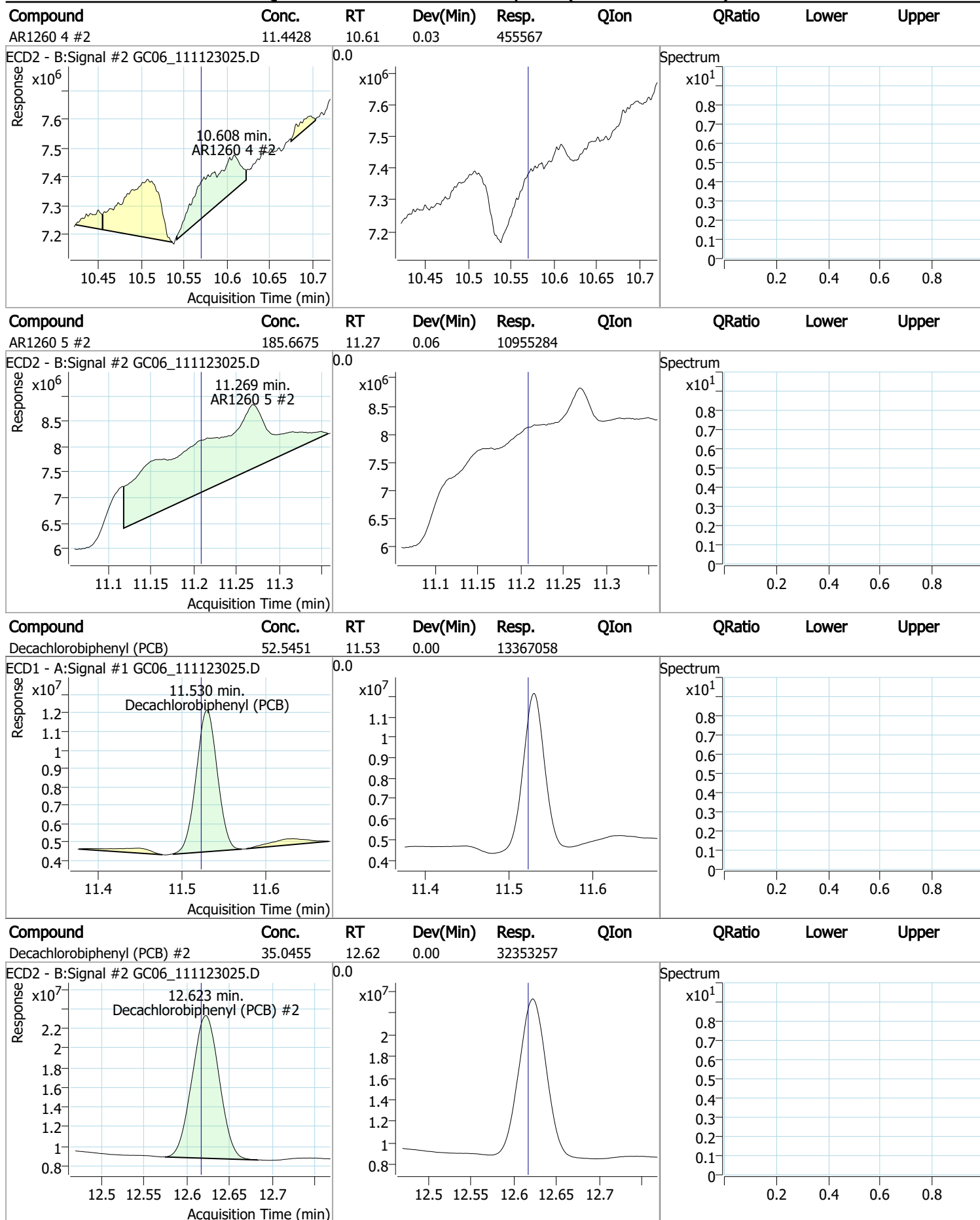
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-020	Client ID: ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-P-LA
Seqnum: 453454429026	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123026	Batch: 326371	Time: 11-NOV-2023 21:15
Cal: 453416704002	Caldate: 16-OCT-2023	
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	Blank	Flags
Aroclor-1016	B	47.61	ND	0.71	39%	0.50		u
Aroclor-1016 Peak # 1	B	132.6	1.33	1.63	20%			
Aroclor-1016 Peak # 2	B	65.87	0.66	0.23	95%			
Aroclor-1016 Peak # 3	B	31.02	0.31	1.40	127%			
Aroclor-1016 Peak # 4	B	6.648	0.07	0.05	25%			
Aroclor-1016 Peak # 5	B	1.915	0.02	0.23	169%			
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	54.76	0.55 FP	0.71	26%	0.50		x u
Aroclor-1260 Peak # 1	B	19.73	0.20	1.55	155%			
Aroclor-1260 Peak # 2	B	9.581	0.10	0.04	80%			
Aroclor-1260 Peak # 3	B	10.75	0.11	0.03	113%			
Aroclor-1260 Peak # 4	B	11.08	0.11	1.63	175%			
Aroclor-1260 Peak # 5	B	222.7	2.23	0.32	150%			
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	40.32	0.5000	0.4032	81	19-121	u
Decachlorobiphenyl (PCB)	B	33.88	0.5000	0.3388	68	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	16167802	19.04
1-bromo-2-nitrobenzene (PCB)	A	4388704	4470285	1.86

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

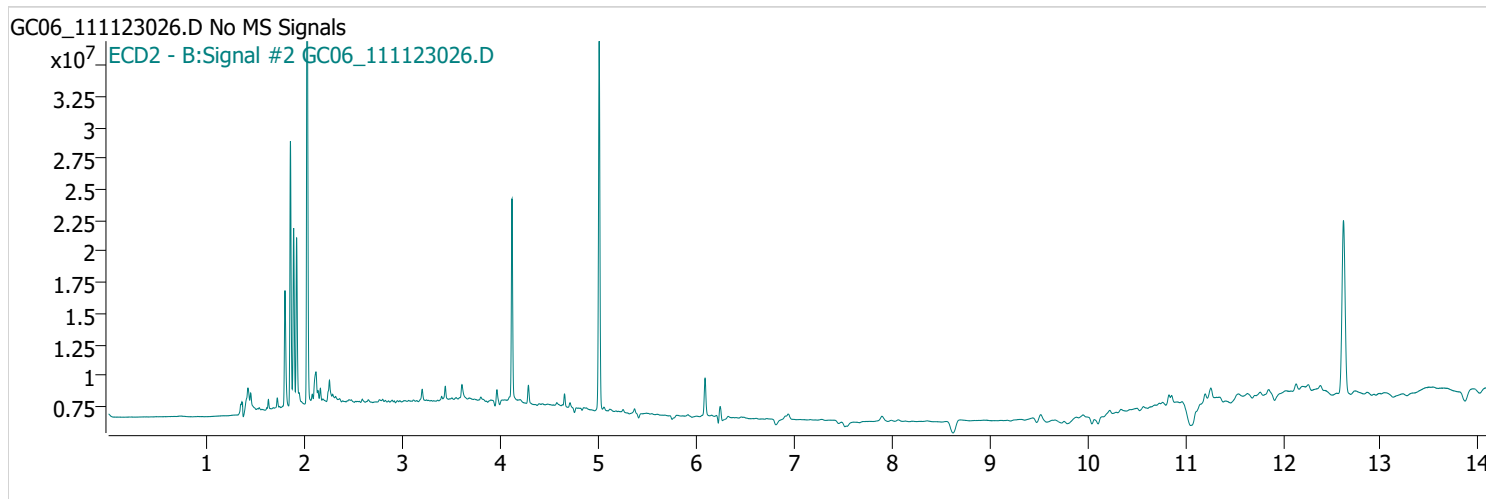
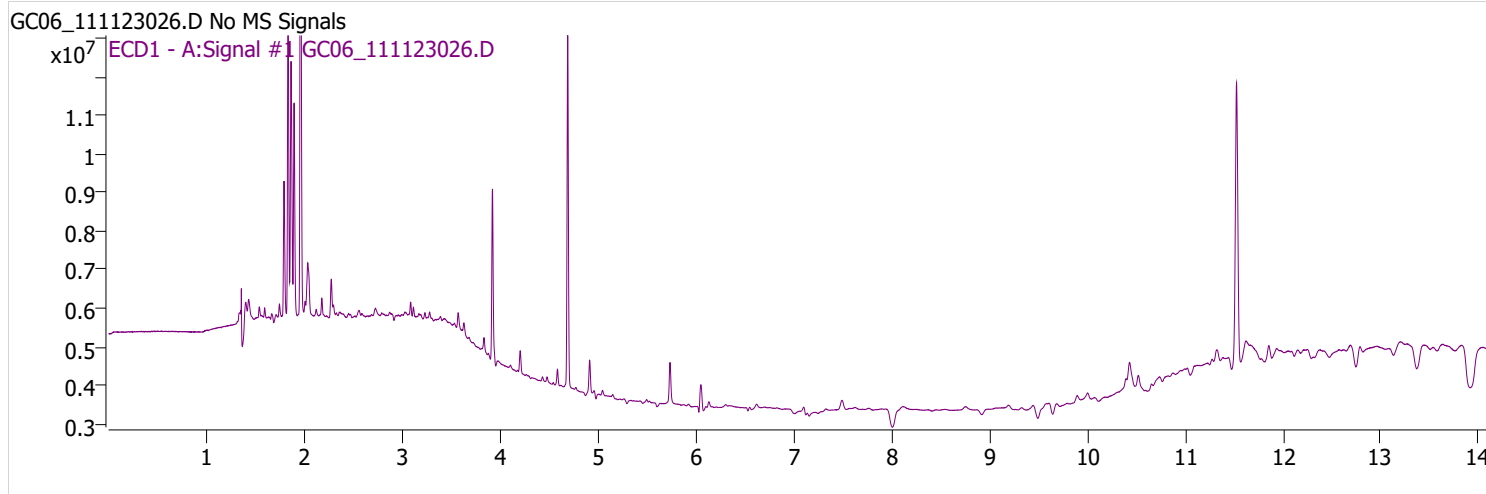
11/13/23 : WIPE/1dm2-10ML

u=use x=false positive

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_111123026.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 9:15:58 PM
Sample Name	495753-020, 326371, 1	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	4470284.877	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	16167801.970	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.692	0.0	8783355.488	39.4908	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.45%	*	
S TCMX (PCB) #2	5.013	0.0	30643543.467	40.3208	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.60%	*	
S Decachlorobiphenyl (PCB)	11.526	0.0	12782069.222	44.8235	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.12%	*	
S Decachlorobiphenyl (PCB) #2	12.619	0.0	31443088.549	33.8800	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.40%	*	

Target Compounds

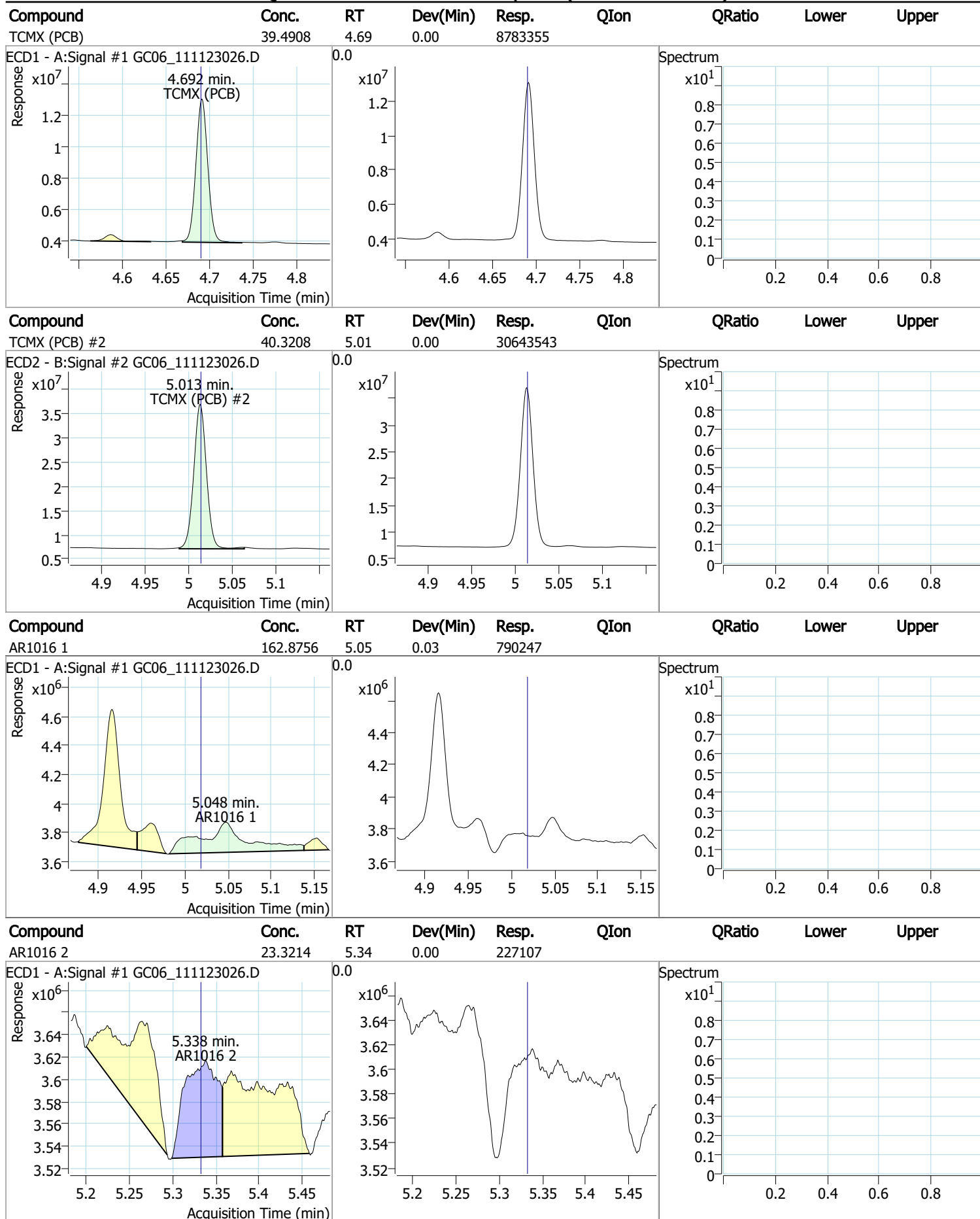
QValue

Quantitation Results Report (Not Reviewed)

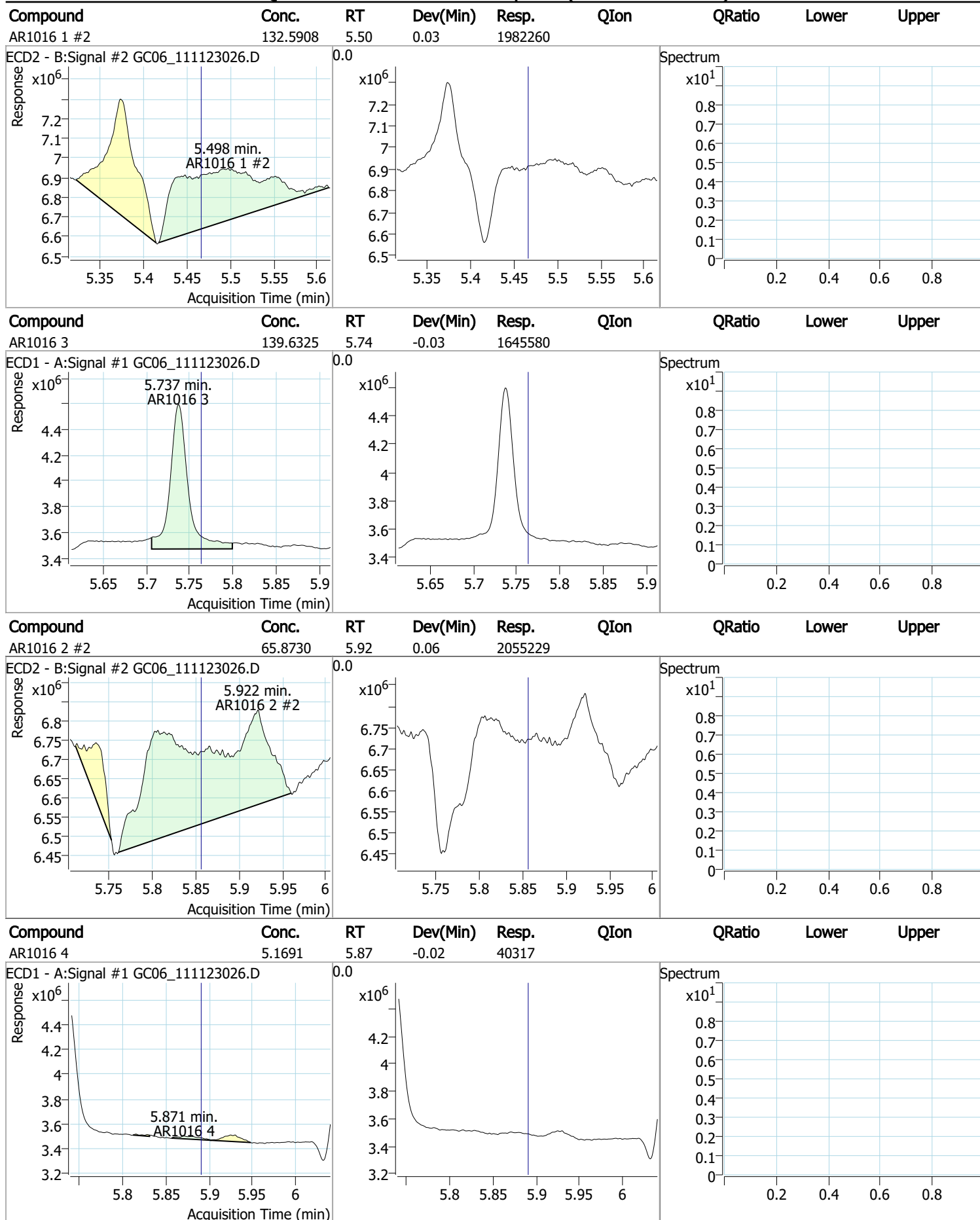
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.048	0.0	790247.191	162.8756	ng/ml	100
T AR1016 2	5.338	0.0	227106.829	23.3214	ng/ml	100
T AR1016 1 #2	5.498	0.0	1982259.720	132.5908	ng/ml	100
T AR1016 3	5.737	0.0	1645579.752	139.6325	ng/ml	100
T AR1016 2 #2	5.922	0.0	2055228.853	65.8730	ng/ml	100
T AR1016 4	5.871	0.0	40316.826	5.1691	ng/ml	100
T AR1016 5	6.307	0.0	160429.249	22.8574	ng/ml	100
T AR1016 3 #2	6.330	0.0	1287950.070	31.0224	ng/ml	100
T AR1016 4 #2	6.490	0.0	185414.848	6.6480	ng/ml	100
T AR1016 5 #2	7.067	0.0	44131.969	1.9153	ng/ml	100
T AR1260 1	7.895	0.0	2090012.688	154.6393	ng/ml	100
T AR1260 2	8.461	0.0	86595.933	4.1118	ng/ml	100
T AR1260 3	8.873	0.0	66436.183	3.0042	ng/ml	100
T AR1260 1 #2	9.323	0.0	844517.625	19.7297	ng/ml	100
T AR1260 4	9.611	0.0	1899731.933	163.4212	ng/ml	100
T AR1260 2 #2	9.648	0.0	494800.801	9.5811	ng/ml	100
T AR1260 3 #2	10.071	0.0	708004.908	10.7546	ng/ml	100
T AR1260 5	10.398	0.0	475507.733	32.0560	ng/ml	100
T AR1260 4 #2	10.575	0.0	443523.986	11.0816	ng/ml	100
T AR1260 5 #2	11.263	0.0	13207836.105	222.6630	ng/ml	100

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

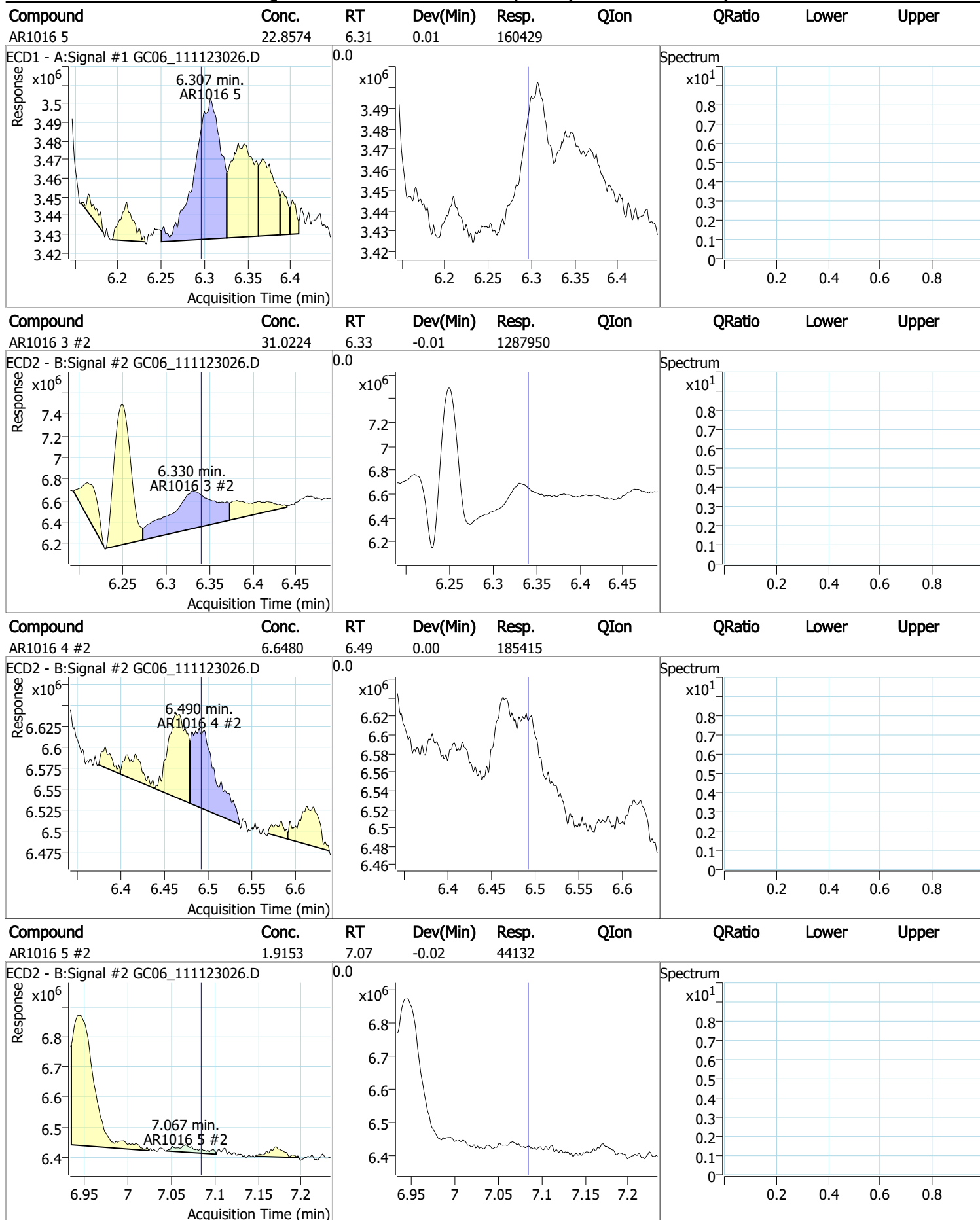
Quantitation Results Report (Not Reviewed)



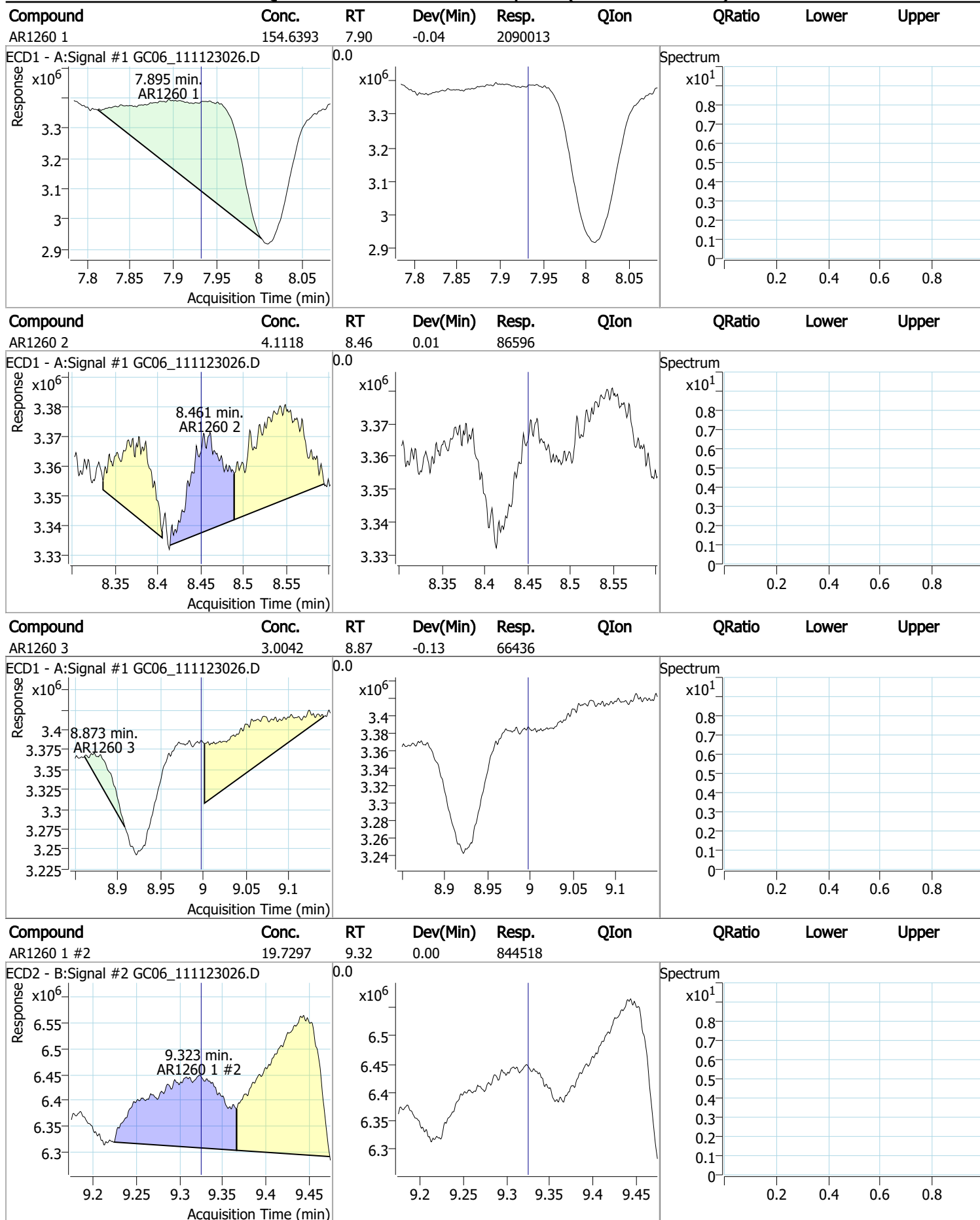
Quantitation Results Report (Not Reviewed)



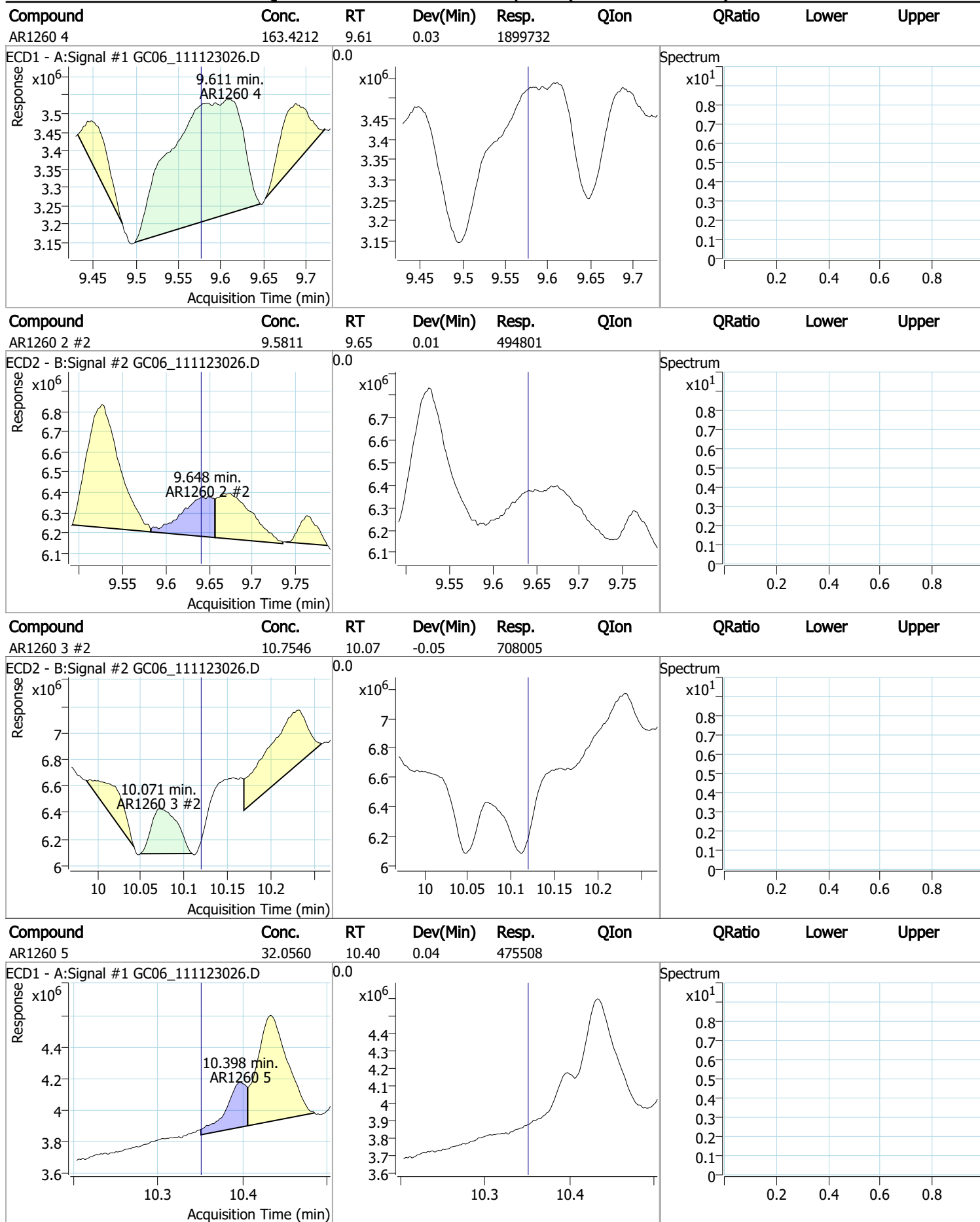
Quantitation Results Report (Not Reviewed)



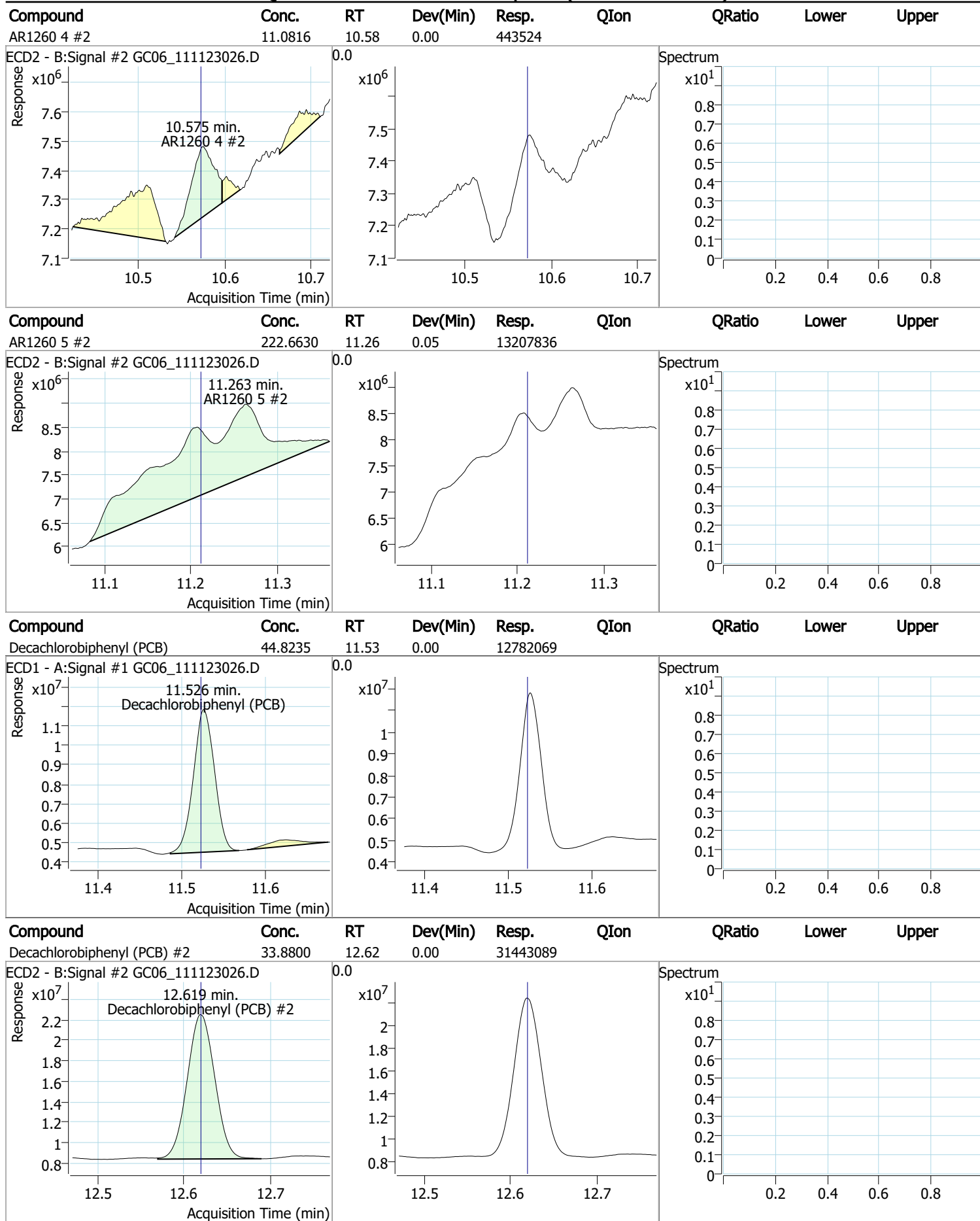
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 495753-022	Client ID: ARCH-C13E-INT-2.5 TO 3.5-231109-P-WF
Seqnum: 453454429027	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_111123027	Batch: 326371	Time: 11-NOV-2023 21:34
Cal: 453416704002	Caldate: 16-OCT-2023	
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	Blank	Flags
Aroclor-1016	B	40.70	ND	0.78	63%	0.50		u
Aroclor-1016 Peak # 1	B	125.3	1.25	0.61	70%			
Aroclor-1016 Peak # 2	B	19.39	0.19	0.61	103%			
Aroclor-1016 Peak # 3	B	44.07	0.44	1.30	99%			
Aroclor-1016 Peak # 4	B	13.19	0.13	0.90	149%			
Aroclor-1016 Peak # 5	B	1.524	0.02	0.47	187%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	52.30	0.52 FP	0.52	1%	0.50		x u
Aroclor-1260 Peak # 1	B	18.85	0.19	0.02	163%			
Aroclor-1260 Peak # 2	B	4.650	0.05	0.02	74%			
Aroclor-1260 Peak # 3	B	11.08	0.11	0.04	96%			
Aroclor-1260 Peak # 4	B	7.950	0.08	1.42	179%			
Aroclor-1260 Peak # 5	B	218.9	2.19	1.10	66%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.41	0.5000	0.3941	79	19-121	u
Decachlorobiphenyl (PCB)	B	33.85	0.5000	0.3385	68	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	15438237	13.67
1-bromo-2-nitrobenzene (PCB)	A	4388704	4275611	-2.58

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.92	-0.01

11/13/23 : WIPE/1dm2-10ML

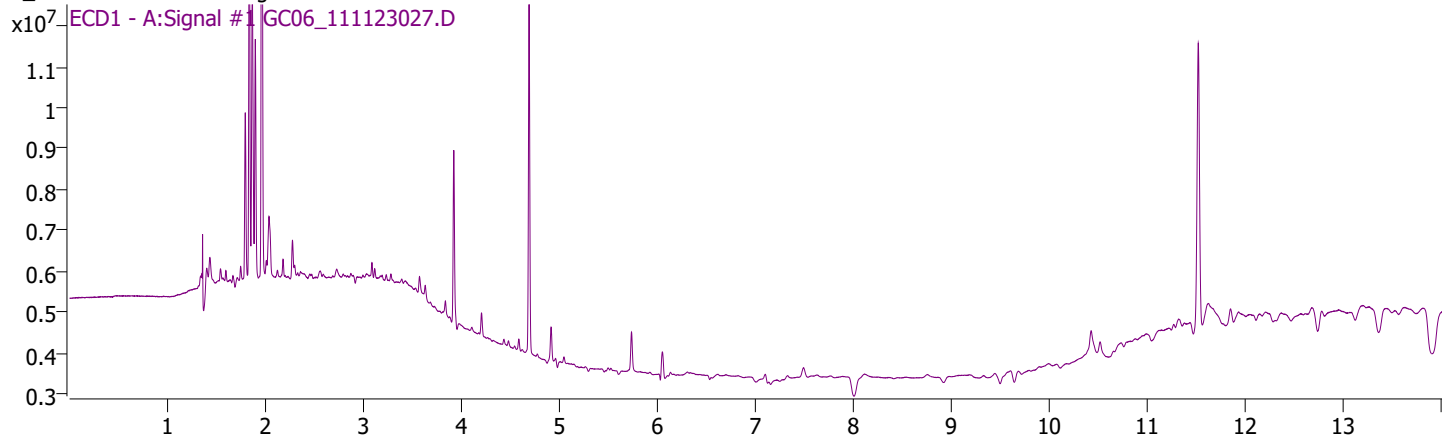
u=use x=false positive

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

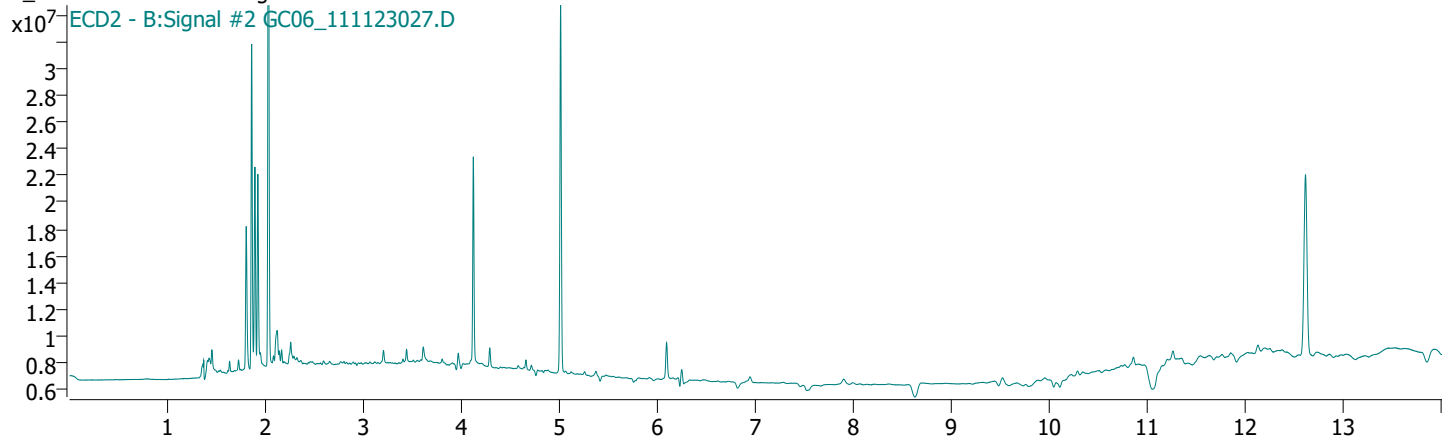
Quantitation Results Report (Not Reviewed)

Data File	GC06_111123027.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 9:34:12 PM
Sample Name	495753-022, 326371, 1	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

GC06_111123027.D No MS Signals



GC06_111123027.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.923	0.0	4275611.06 6	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.122	0.0	15438236.6 46	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.691	0.0	8218550.30 0	38.6338	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.17%	*	
S TCMX (PCB) #2	5.013	0.0	28599535.7 62	39.4097	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.05%	*	
S Decachlorobiphenyl (PCB)	11.523	0.0	12148744.7 87	44.5423	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.71%	*	
S Decachlorobiphenyl (PCB) #2	12.618	0.0	30001187.5 95	33.8540	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.27%	*	

Target Compounds

QValue

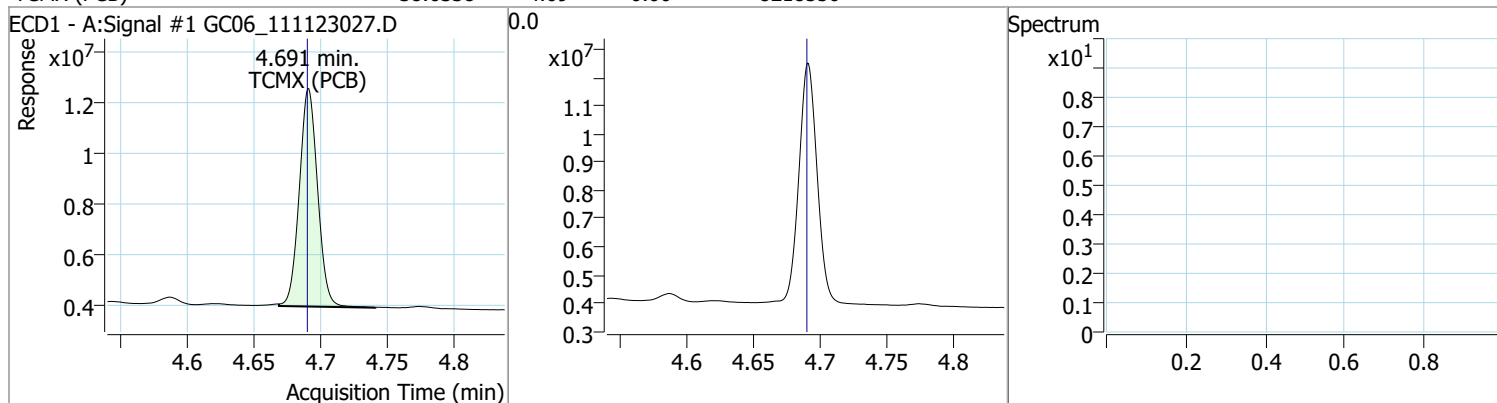
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.008	0.0	281330.254	60.6243	ng/ml	100
T AR1016 2	5.320	0.0	567238.974	60.9014	ng/ml	100
T AR1016 1 #2	5.477	0.0	1788792.316	125.3043	ng/ml	100
T AR1016 3	5.737	0.0	1470795.318	130.4838	ng/ml	100
T AR1016 2 #2	5.858	0.0	577724.828	19.3920	ng/ml	100
T AR1016 4	5.925	0.0	675111.330	90.4981	ng/ml	100
T AR1016 5	6.308	0.0	315140.351	46.9445	ng/ml	100
T AR1016 3 #2	6.329	0.0	1747010.619	44.0682	ng/ml	100
T AR1016 4 #2	6.464	0.0	351305.682	13.1913	ng/ml	100
T AR1016 5 #2	7.076	0.0	33530.599	1.5240	ng/ml	100
T AR1260 1	7.941	0.0	24956.427	1.9306	ng/ml	100
T AR1260 2	8.453	0.0	43214.868	2.1454	ng/ml	100
T AR1260 3	8.868	0.0	82346.368	3.8932	ng/ml	100
T AR1260 1 #2	9.319	0.0	770622.644	18.8541	ng/ml	100
T AR1260 4	9.606	0.0	1574609.711	141.6205	ng/ml	100
T AR1260 2 #2	9.668	0.0	229292.198	4.6497	ng/ml	100
T AR1260 3 #2	10.073	0.0	696743.389	11.0837	ng/ml	100
T AR1260 5	10.429	0.0	1561278.390	110.0446	ng/ml	100
T AR1260 4 #2	10.579	0.0	303835.212	7.9502	ng/ml	100
T AR1260 5 #2	11.267	0.0	12401194.357	218.9441	ng/ml	100

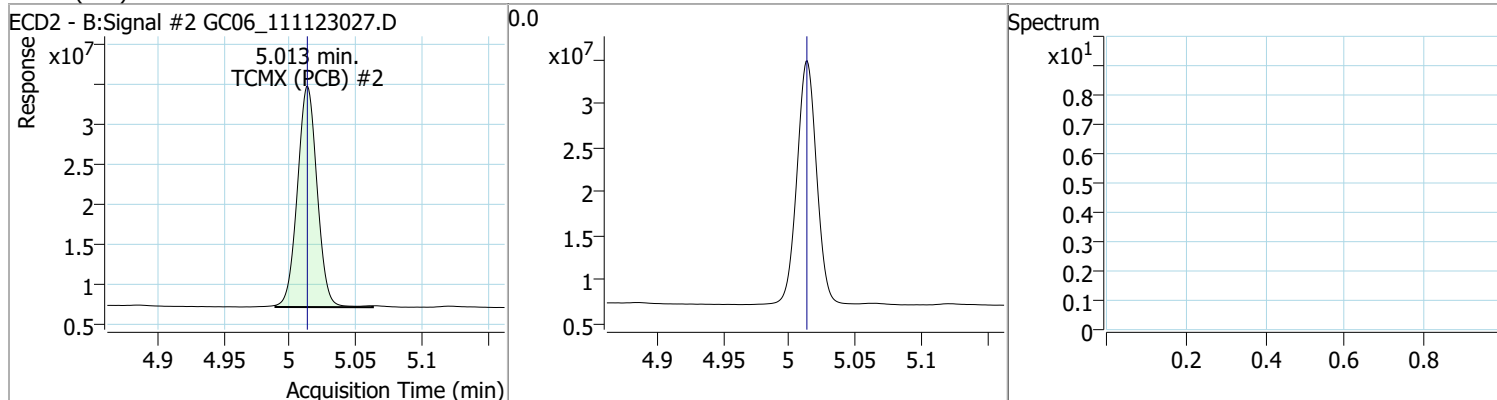
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

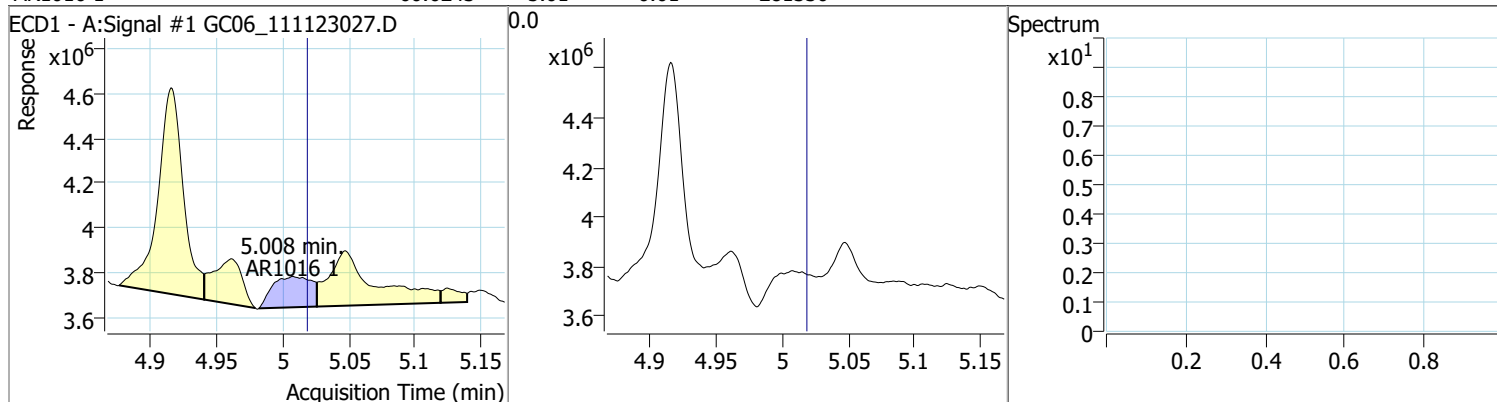
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.6338	4.69	0.00	8218550				



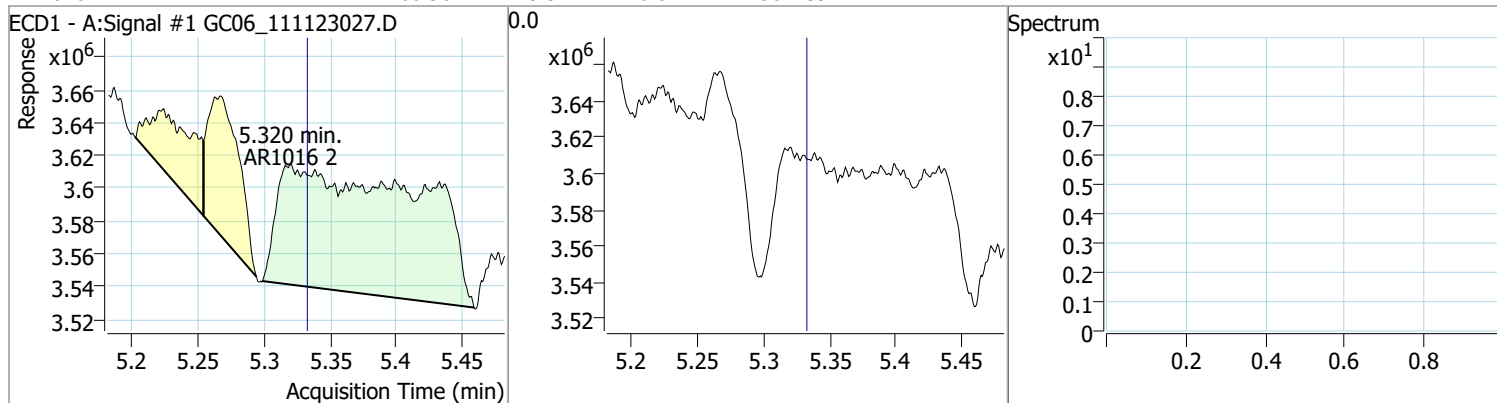
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.4097	5.01	0.00	28599536				



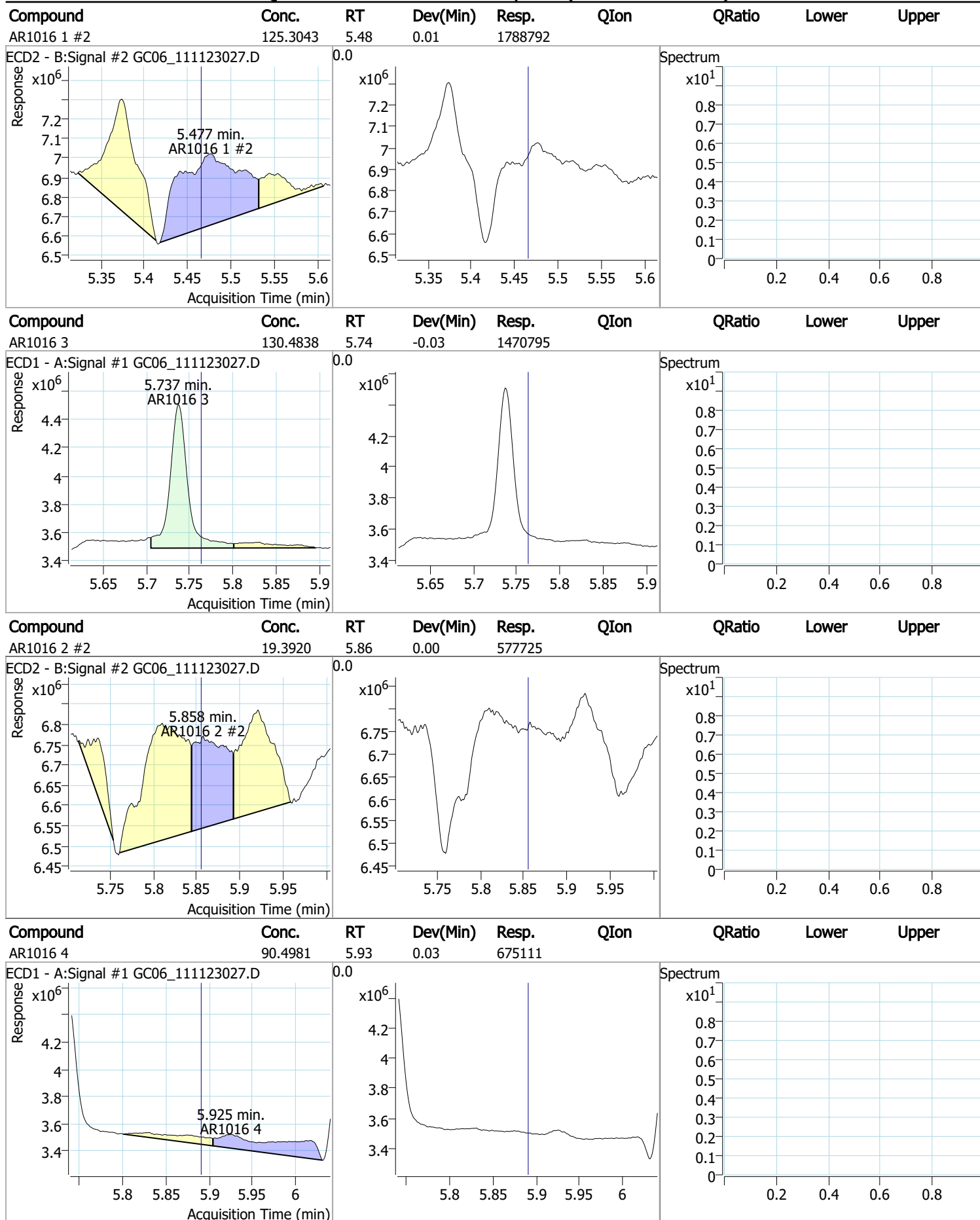
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	60.6243	5.01	-0.01	281330				



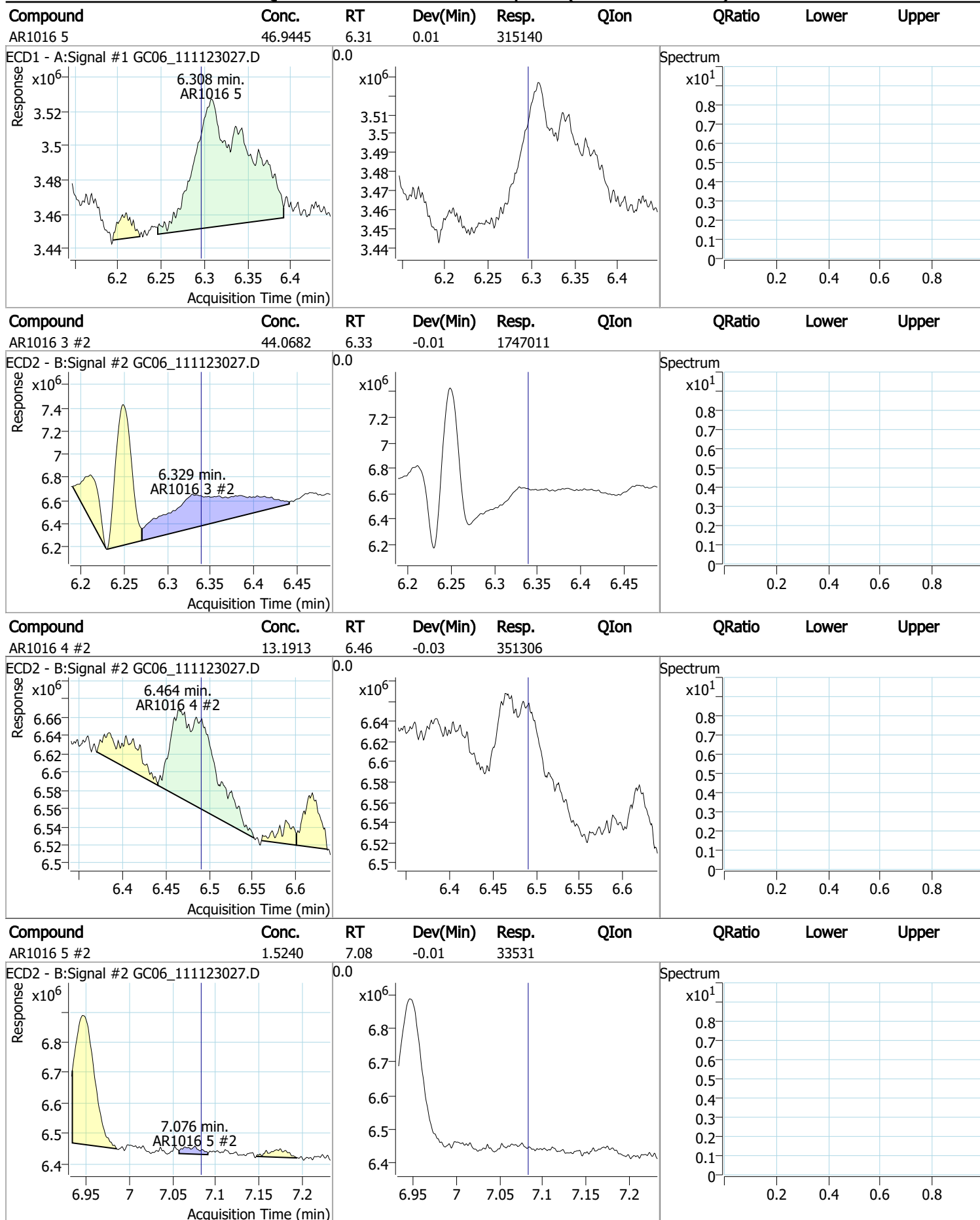
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	60.9014	5.32	-0.02	567239				



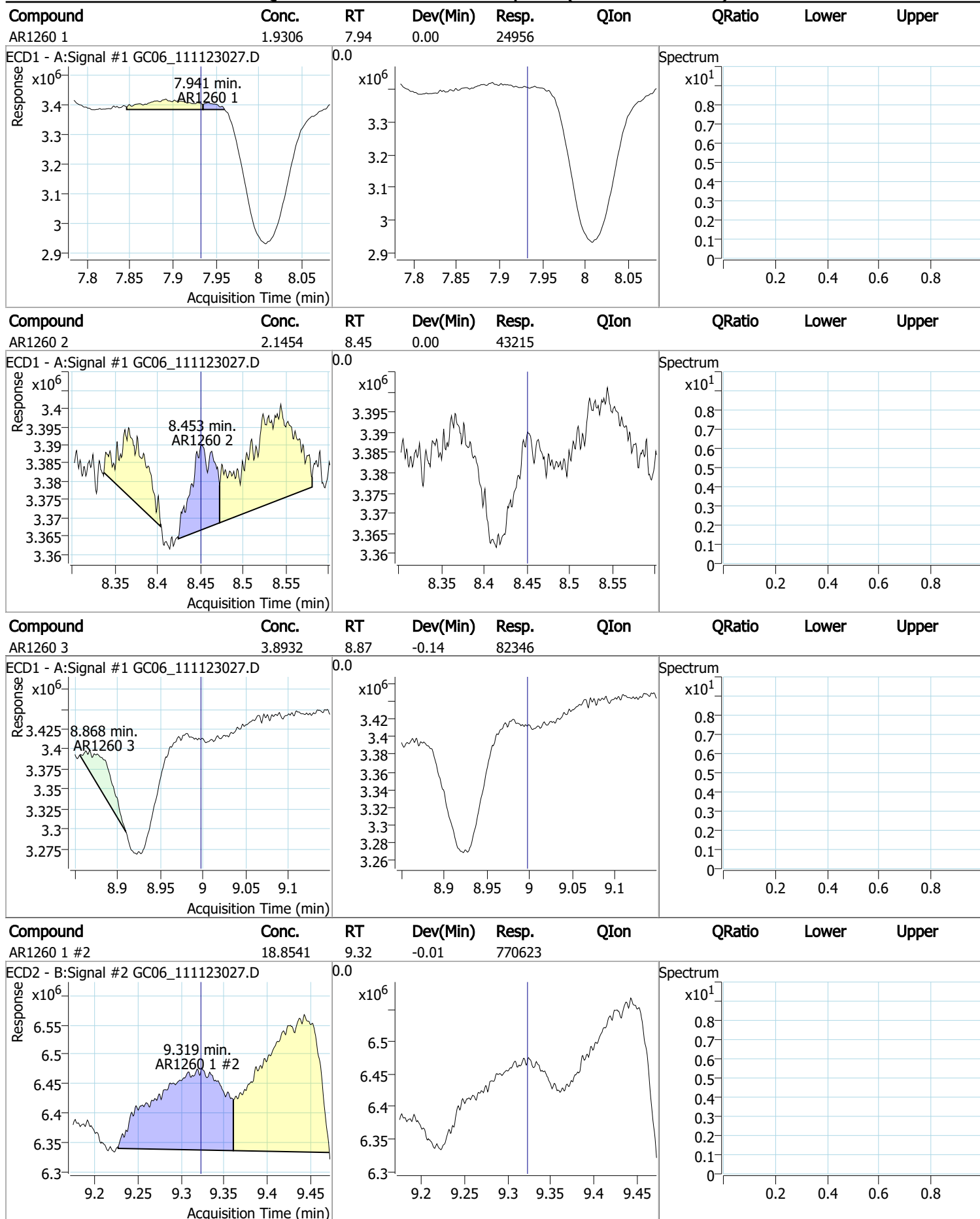
Quantitation Results Report (Not Reviewed)



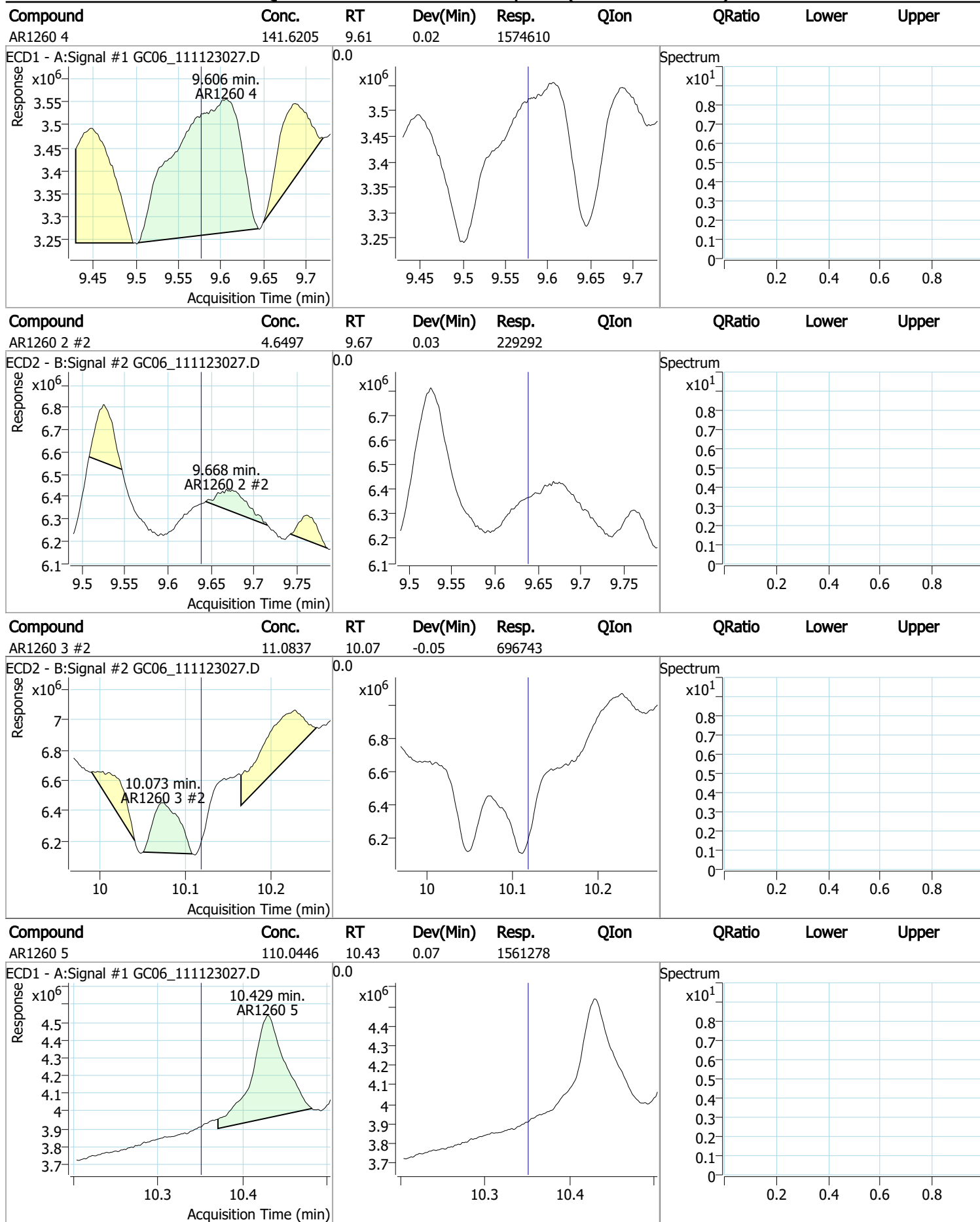
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

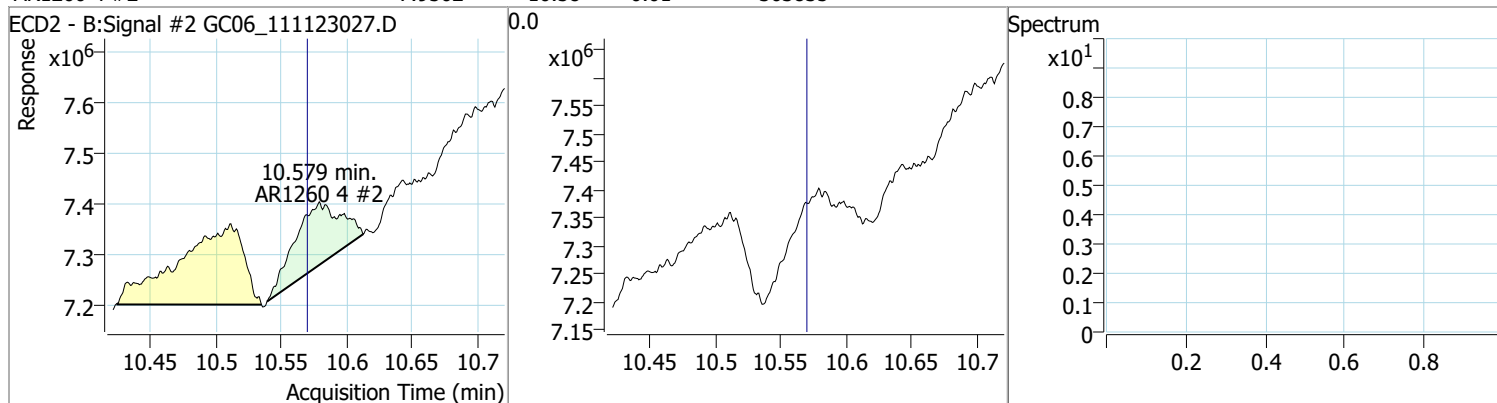


Quantitation Results Report (Not Reviewed)

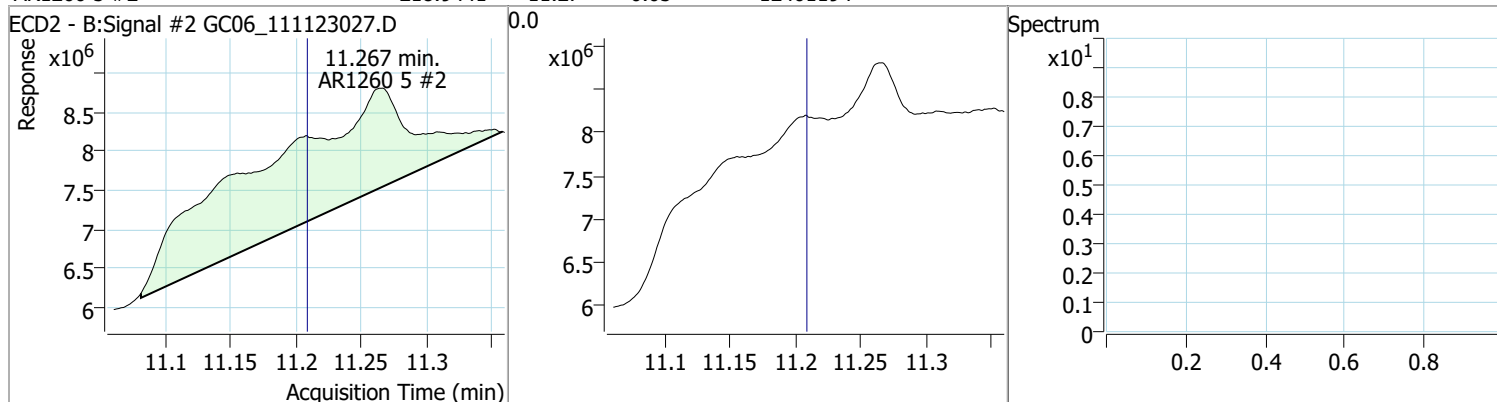


Quantitation Results Report (Not Reviewed)

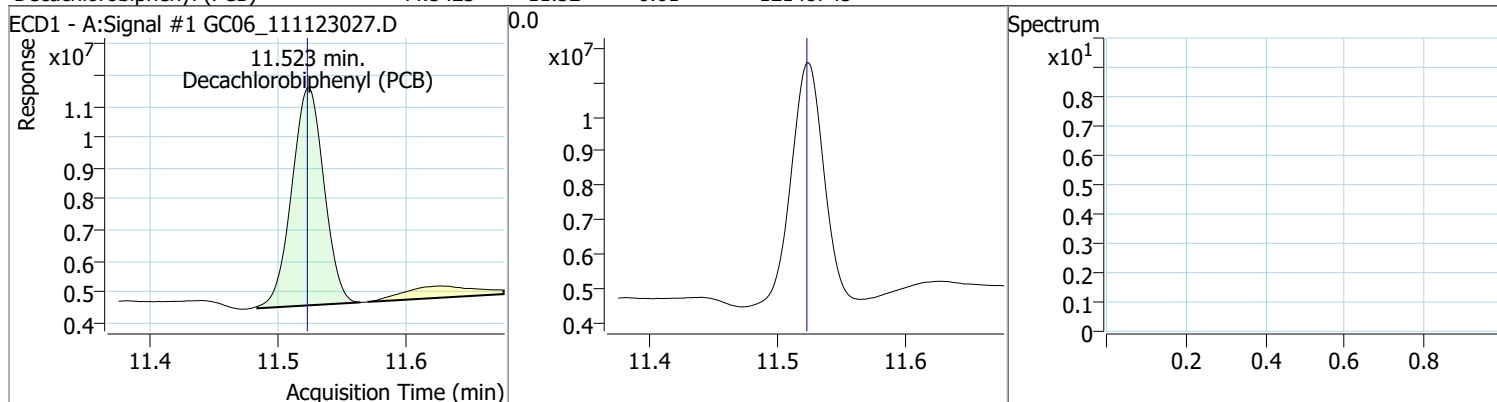
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.9502	10.58	0.01	303835				



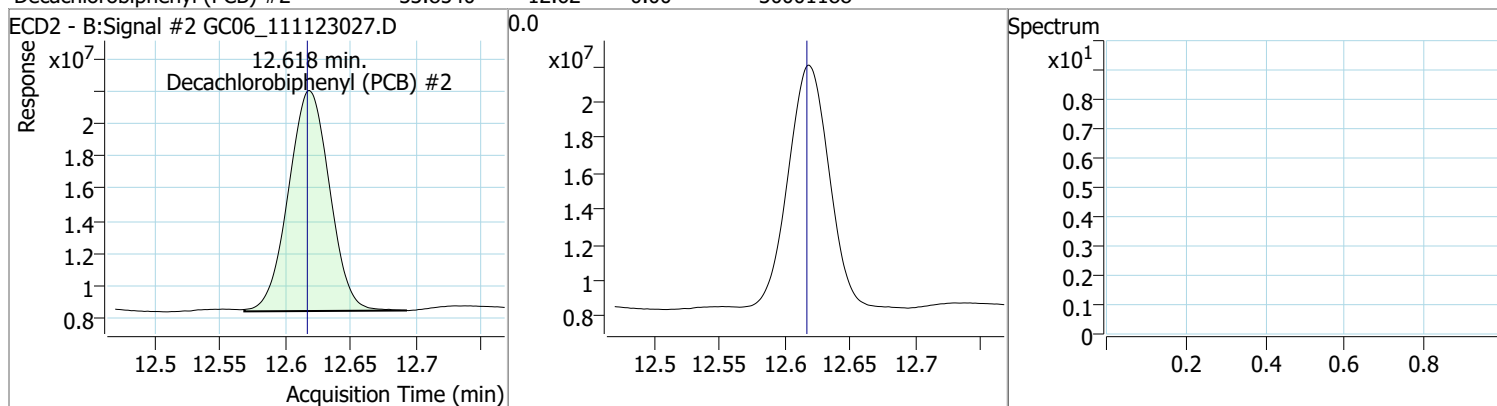
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	218.9441	11.27	0.05	12401194				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.5423	11.52	-0.01	12148745				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.8540	12.62	0.00	30001188				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 495753 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	Lab ID: QC1106494	
Seqnum: 453454429013.2	Matrix: Wipe	
File: gc06_111123013	Batch: 326371	Time: 11-NOV-2023 17:18
Cal: 453416704002	Caldate: 16-OCT-2023	
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	2.457	ND	0.076	103%	0.50	u
Aroclor-1016 Peak # 1	B	2.719	0.03	0.24	159%		
Aroclor-1016 Peak # 2	B	6.899	0.07	0.12	53%		
Aroclor-1016 Peak # 3	B	2.462	0.02	0.01	119%		
Aroclor-1016 Peak # 4	B	0.06154	0.00	0.01	170%		
Aroclor-1016 Peak # 5	B	0.1429	0.00	0.01	145%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	5.783	ND	ND	144%	0.50	u
Aroclor-1260 Peak # 1	B	0.1258	0.00	0.00	110%		
Aroclor-1260 Peak # 2	B	2.281	0.02	ND			
Aroclor-1260 Peak # 3	B	2.036	0.02	0.00	176%		
Aroclor-1260 Peak # 4	B	0.1352	0.00	0.00	89%		
Aroclor-1260 Peak # 5	B	24.34	0.24	0.04	146%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.41	0.5000	0.3341	67	19-121	u
Decachlorobiphenyl (PCB)	B	37.52	0.5000	0.3752	75	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_111123004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13581648	16206384	19.33
1-bromo-2-nitrobenzene (PCB)	A	4388704	5571409	26.95

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

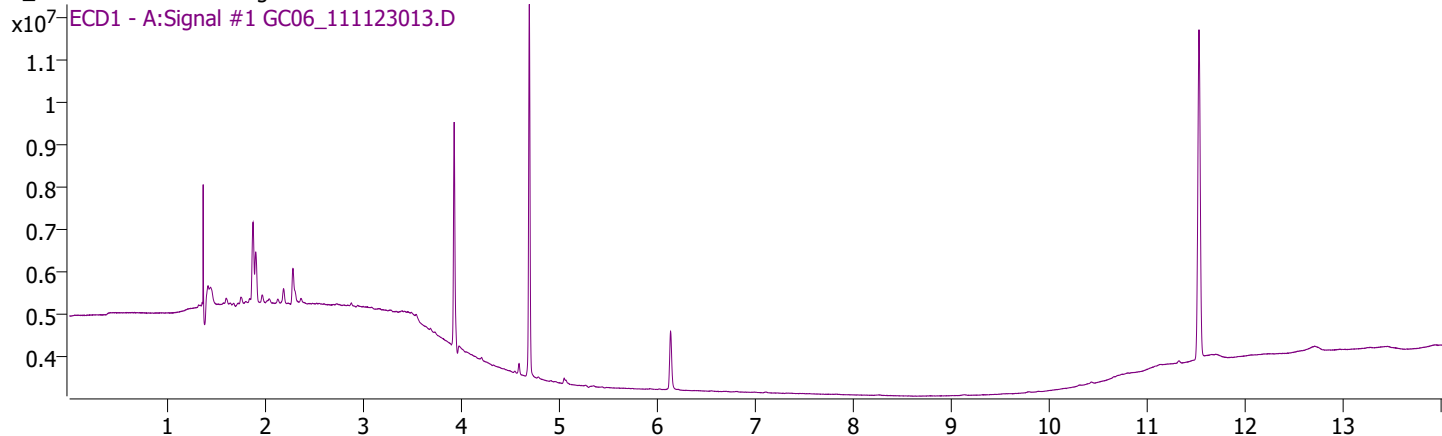
ISTD (CCV gc06_111123004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.12	4.12	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.93	3.93	0.00

Reviewed By: MES 11/13/23, TJW 11/15/23, MTS 11/17/23

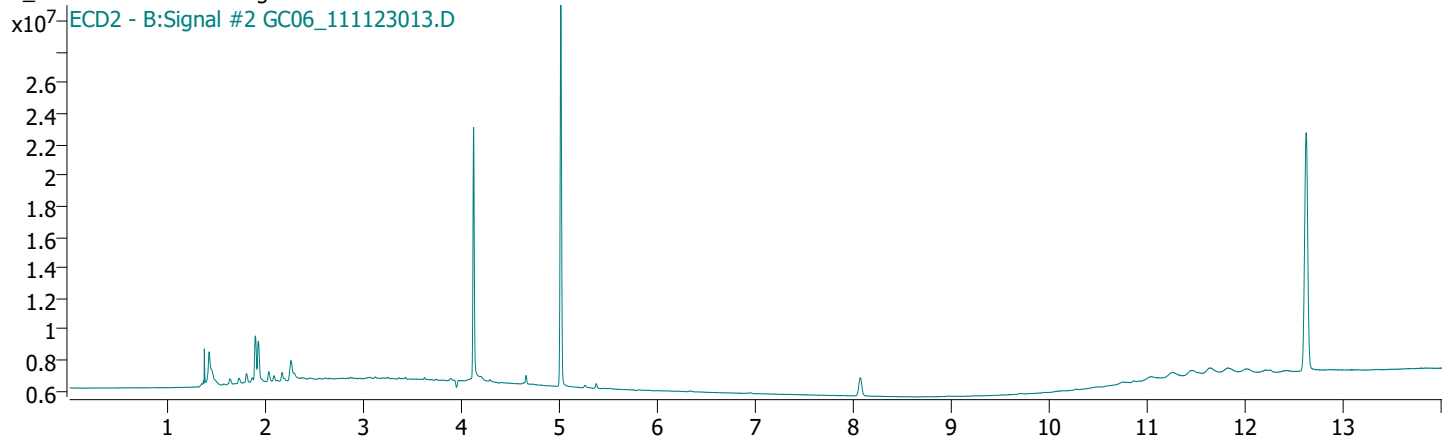
Quantitation Results Report (Not Reviewed)

Data File	GC06_111123013.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 5:18:33 PM
Sample Name	QC1106494, 326371, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

GC06_111123013.D No MS Signals



GC06_111123013.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.925	0.0	5571408.97 3	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	16206383.5 97	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.692	0.0	8902163.73 0	32.1145	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 160.57%	*	
S TCMX (PCB) #2	5.014	0.0	25450326.8 19	33.4079	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.04%	*	
S Decachlorobiphenyl (PCB)	11.528	0.0	13575516.4 22	38.1972	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.99%	*	
S Decachlorobiphenyl (PCB) #2	12.622	0.0	34900384.5 97	37.5157	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.58%	*	

Target Compounds

QValue

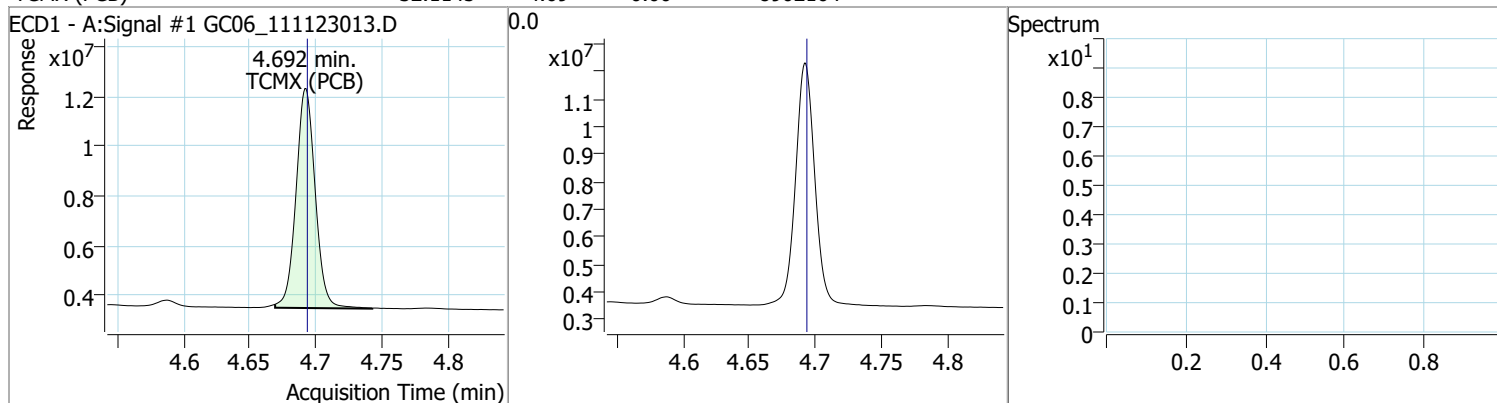
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.048	0.0	145008.232	23.9804	ng/ml	100
T AR1016 2	5.349	0.0	144849.374	11.9347	ng/ml	100
T AR1016 1 #2	5.471	0.0	40752.571	2.7194	ng/ml	100
T AR1016 3	5.740	0.0	9195.190	0.6260	ng/ml	100
T AR1016 2 #2	5.801	0.0	215749.807	6.8986	ng/ml	100
T AR1016 4	5.888	0.0	7489.263	0.7704	ng/ml	100
T AR1016 5	6.288	0.0	7833.225	0.8955	ng/ml	100
T AR1016 3 #2	6.328	0.0	102446.443	2.4617	ng/ml	100
T AR1016 4 #2	6.500	0.0	1720.424	0.0615	ng/ml	100
T AR1016 5 #2	7.066	0.0	3301.544	0.1429	ng/ml	100
T AR1260 1	7.829	0.0	7312.104	0.4341	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.014	0.0	3641.803	0.1321	ng/ml	100
T AR1260 1 #2	9.293	0.0	5398.360	0.1258	ng/ml	100
T AR1260 4	9.567	0.0	5123.716	0.3536	ng/ml	100
T AR1260 2 #2	9.711	0.0	118070.203	2.2808	ng/ml	100
T AR1260 3 #2	10.138	0.0	134346.847	2.0359	ng/ml	100
T AR1260 5	10.428	0.0	70010.168	3.7869	ng/ml	100
T AR1260 4 #2	10.641	0.0	5424.916	0.1352	ng/ml	100
T AR1260 5 #2	11.254	0.0	1446999.93	24.3360	ng/ml	100

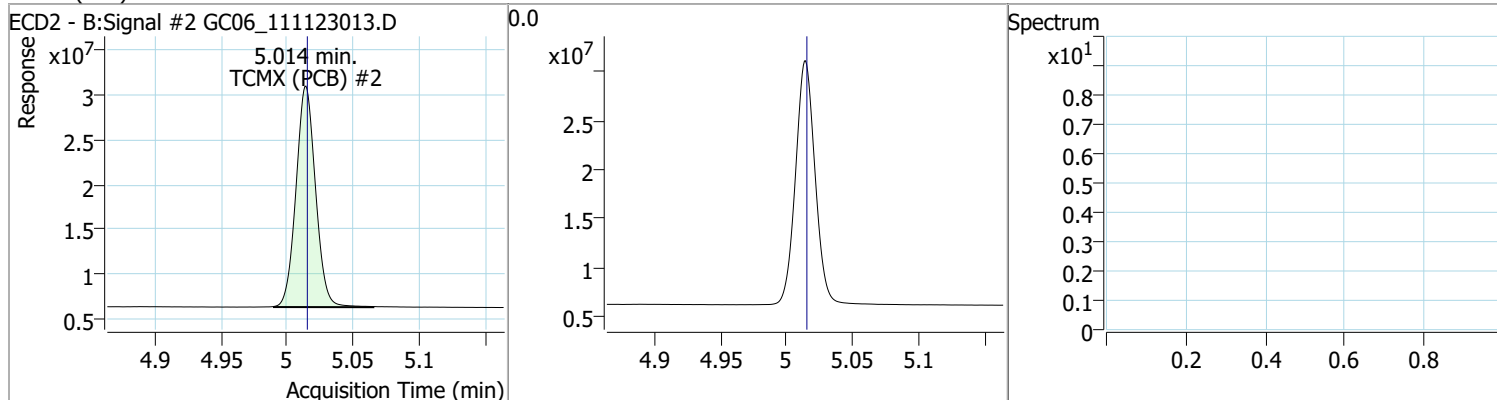
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

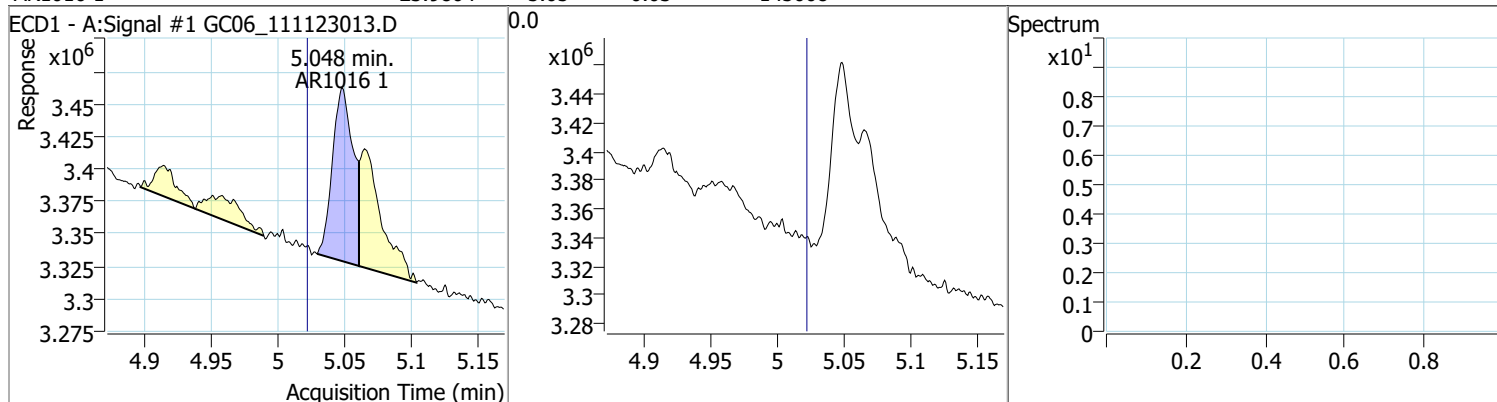
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.1145	4.69	0.00	8902164				



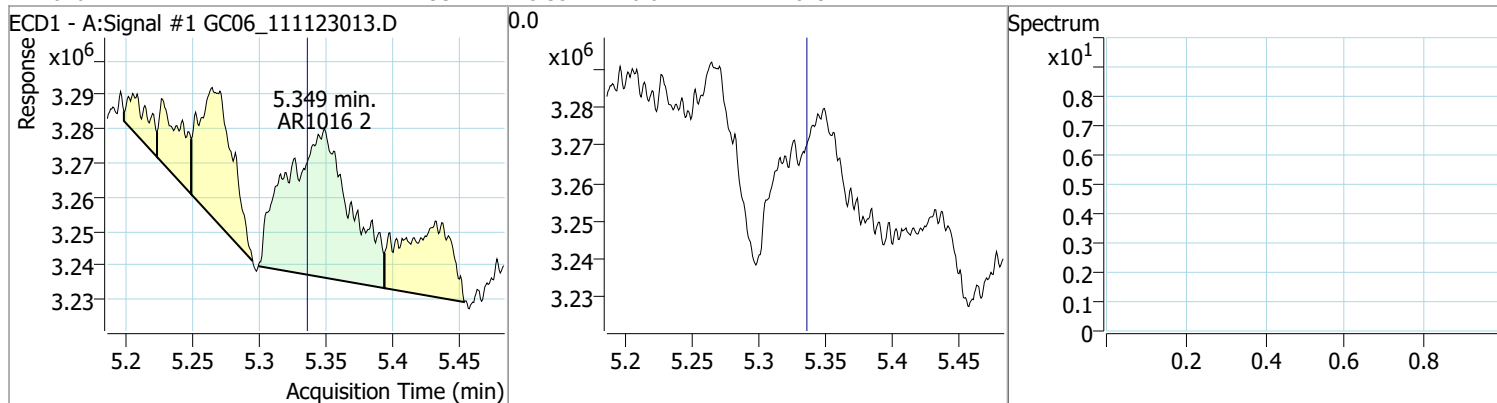
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.4079	5.01	0.00	25450327				



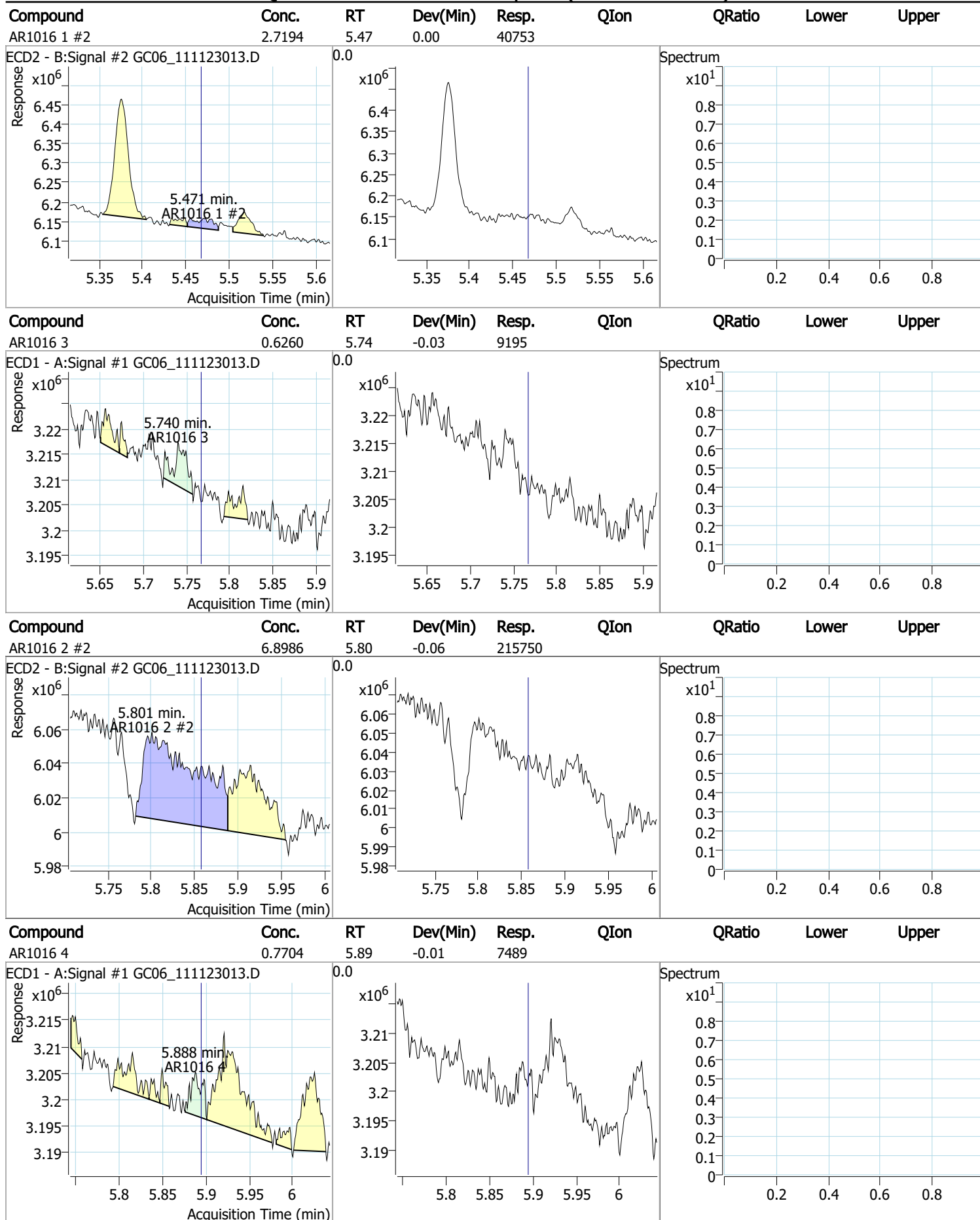
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	23.9804	5.05	0.03	145008				



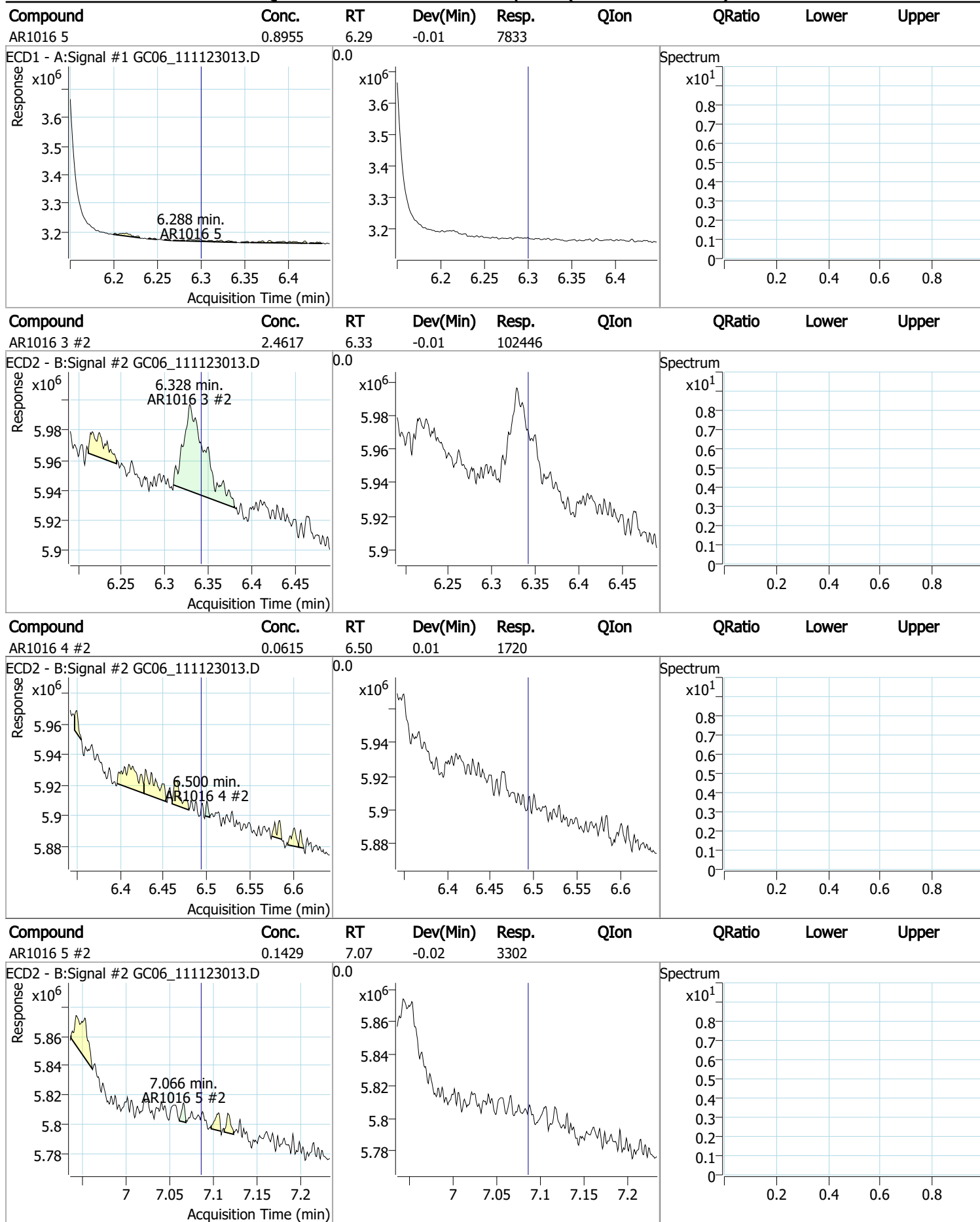
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	11.9347	5.35	0.01	144849				



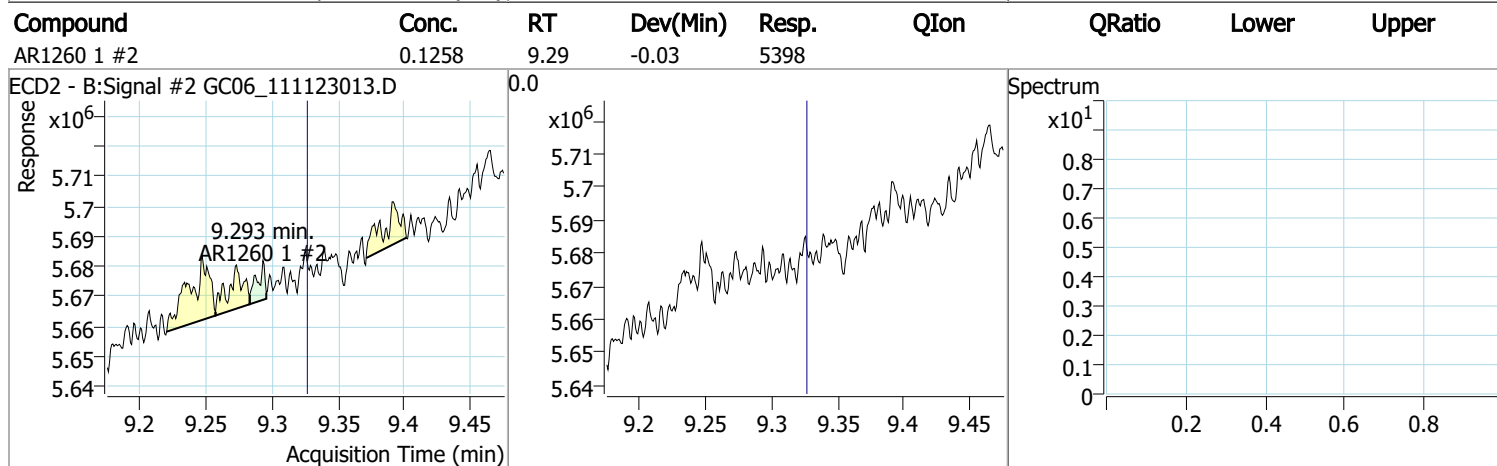
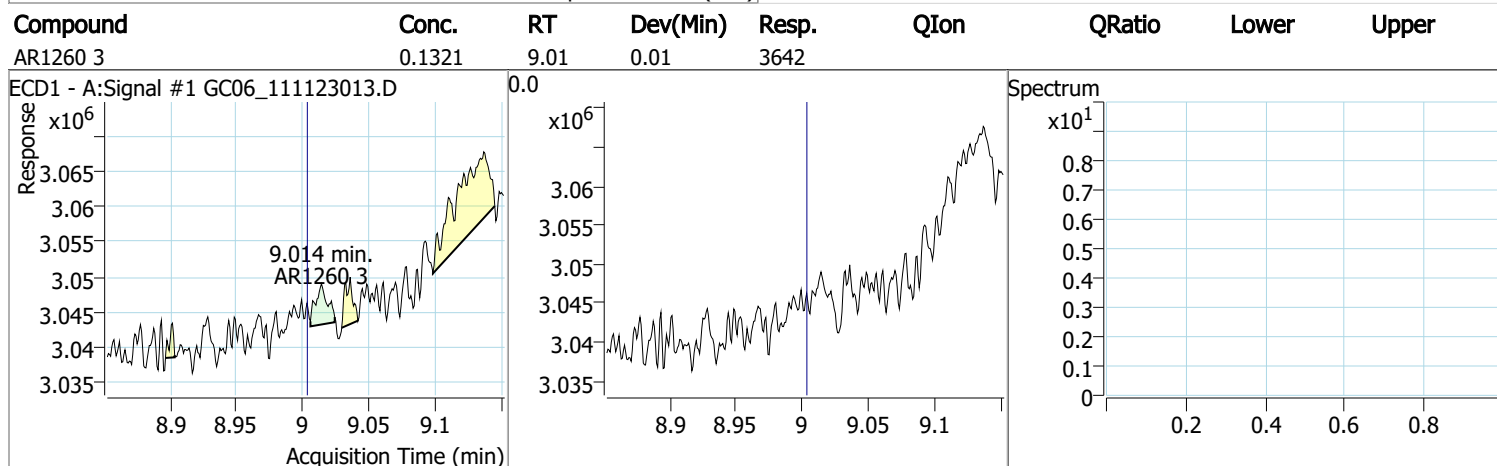
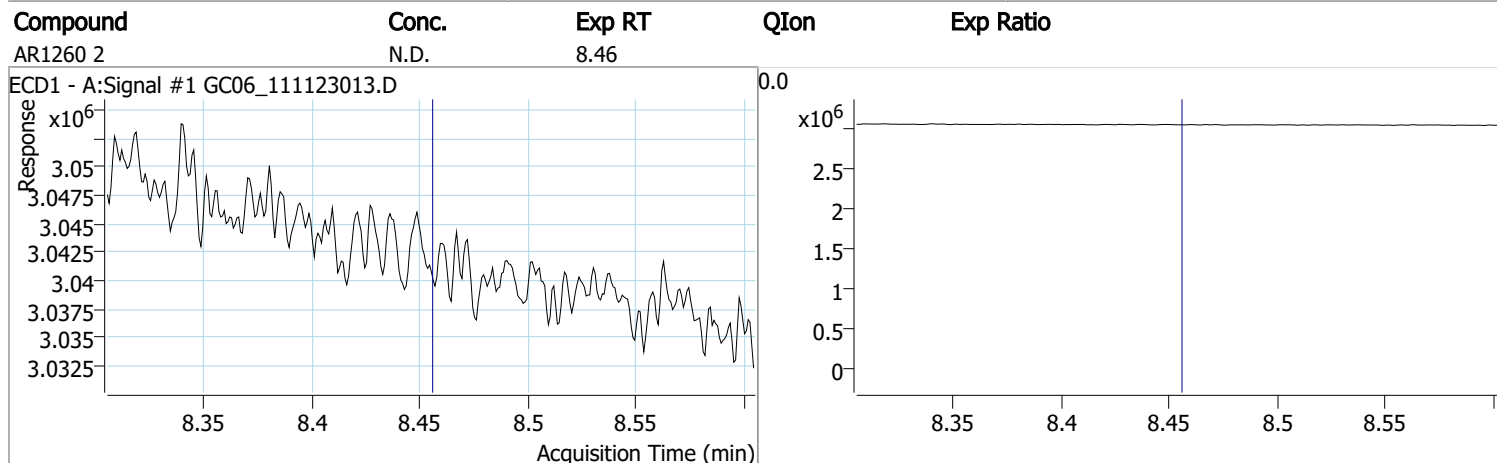
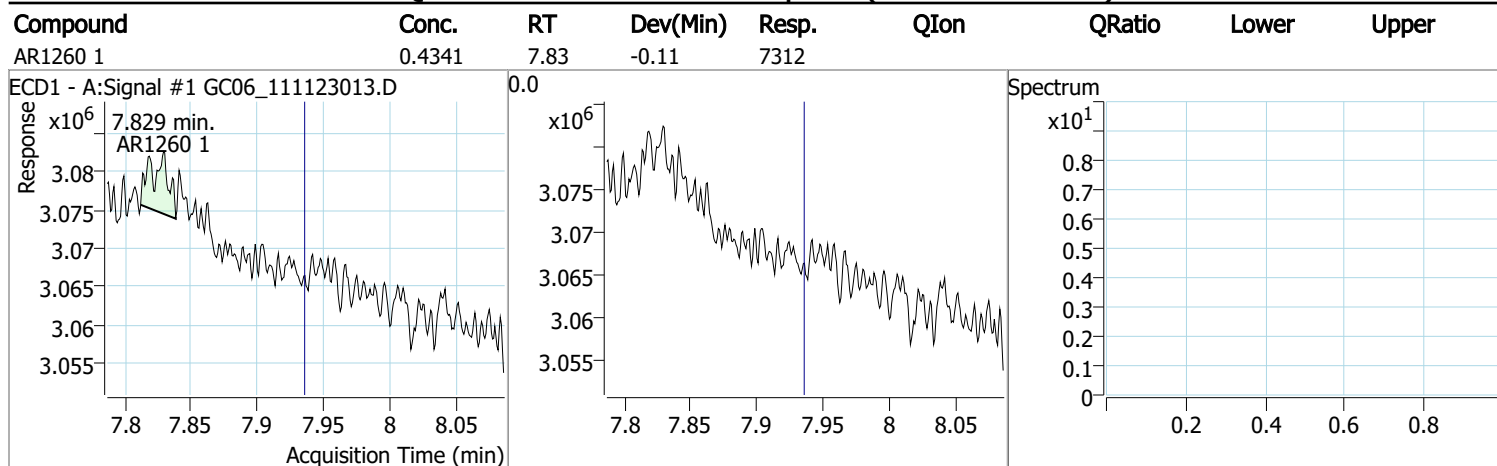
Quantitation Results Report (Not Reviewed)



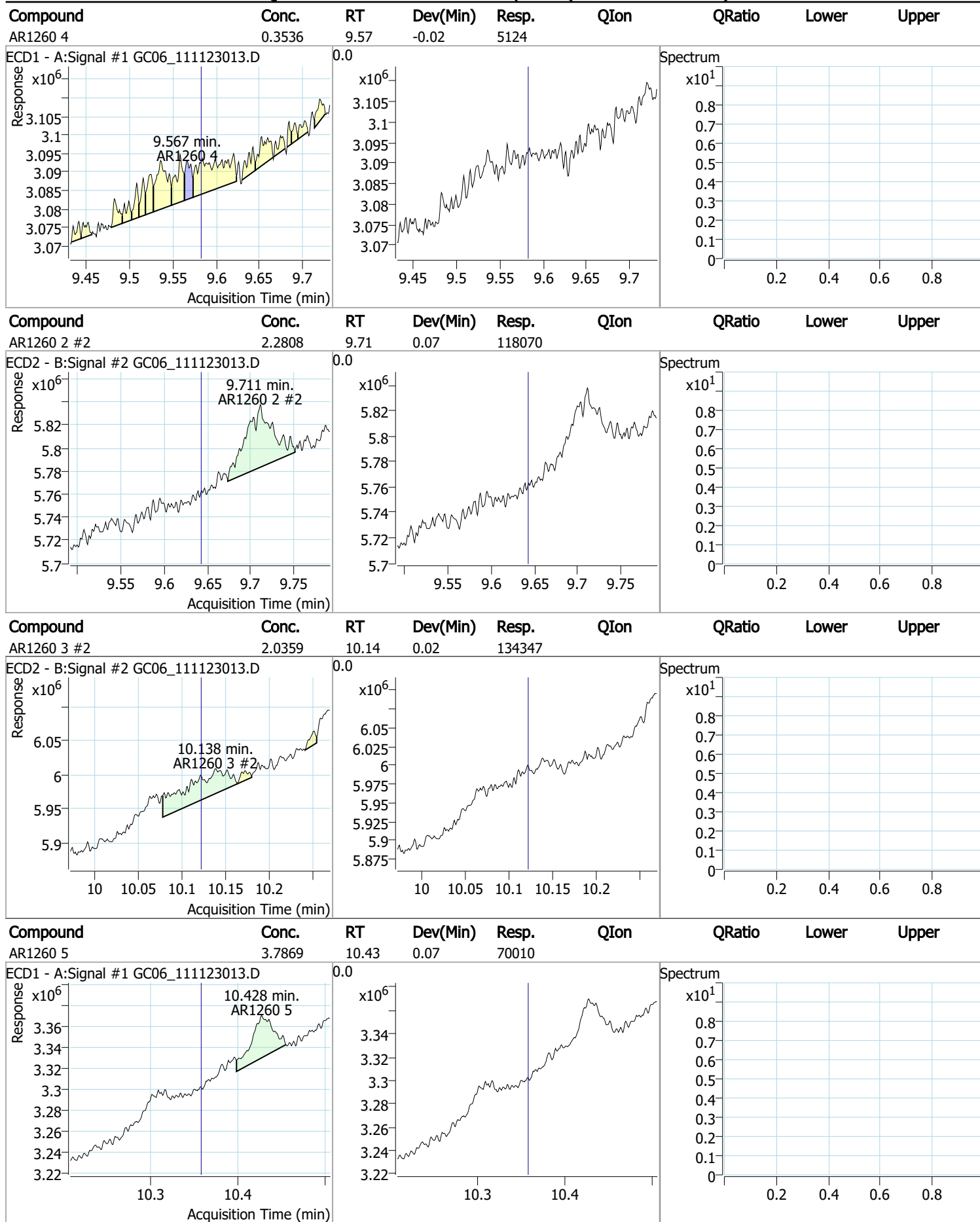
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

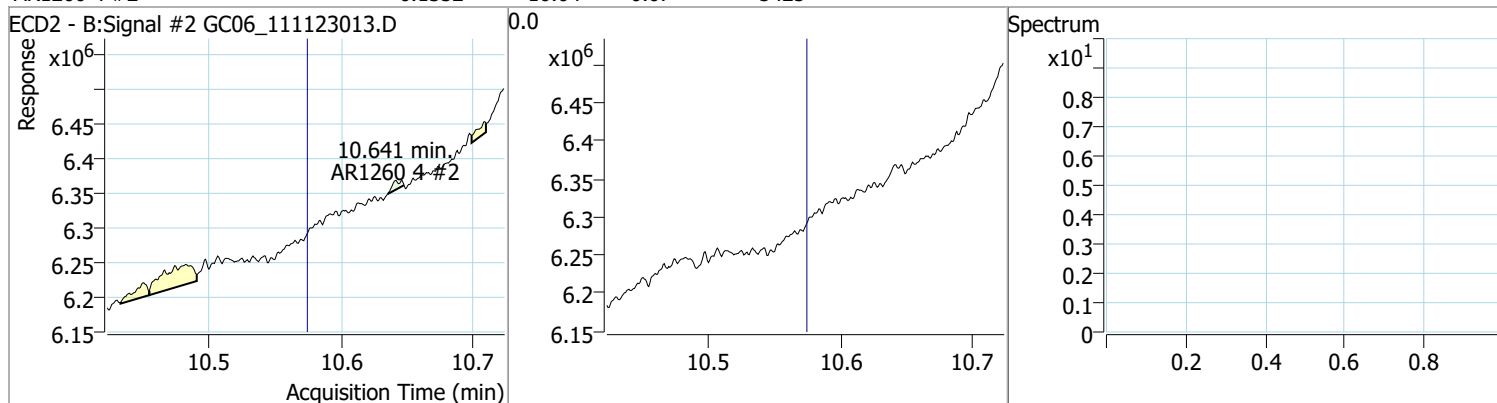


Quantitation Results Report (Not Reviewed)

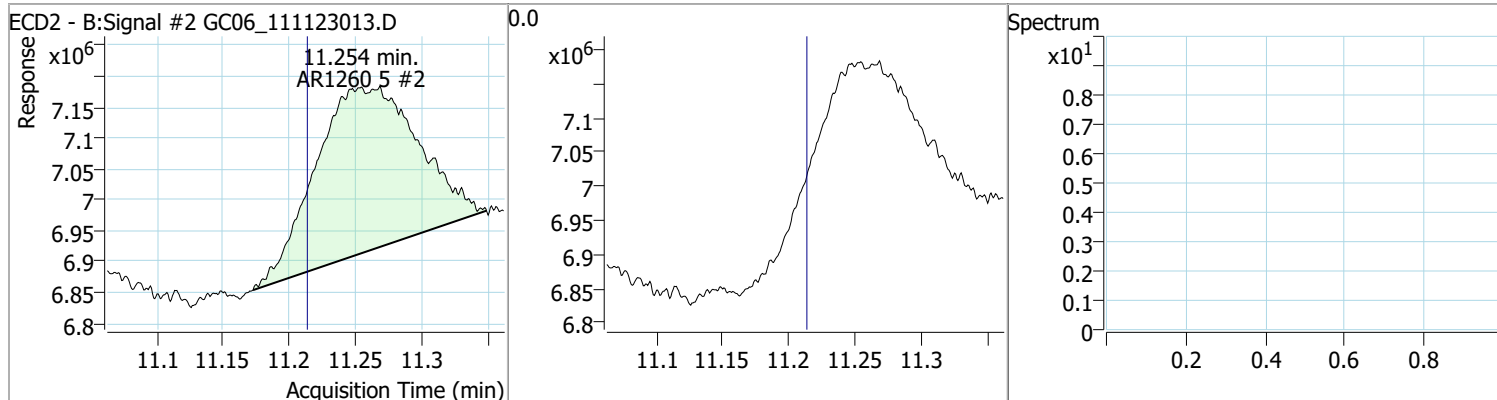


Quantitation Results Report (Not Reviewed)

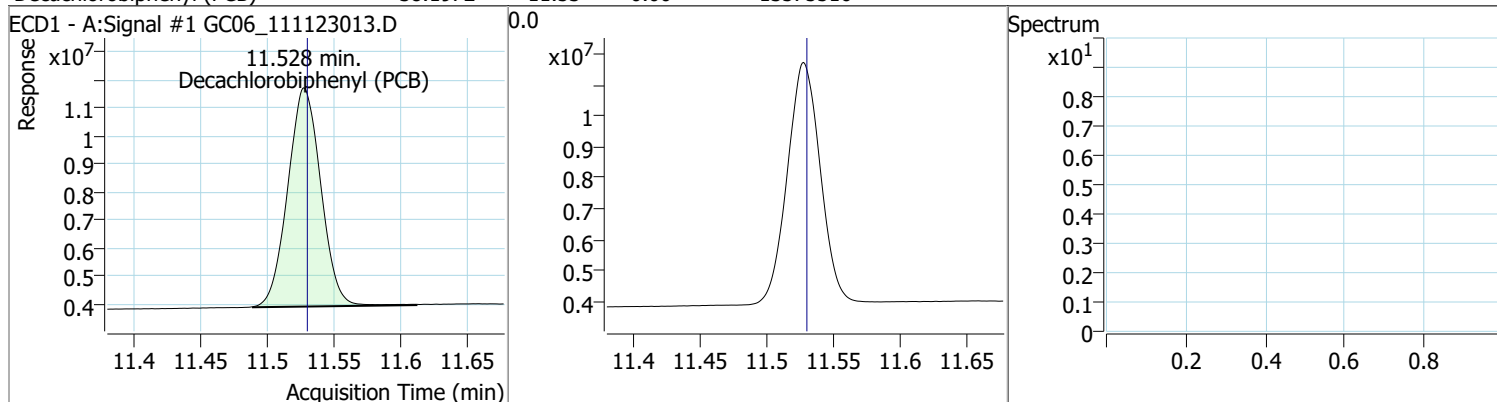
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.1352	10.64	0.07	5425				



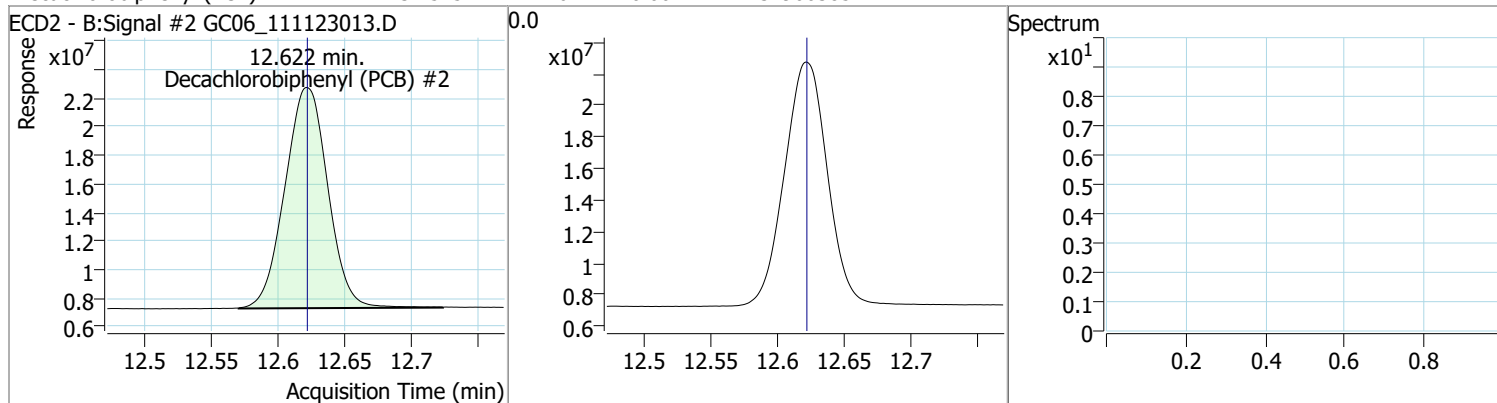
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	24.3360	11.25	0.04	1447000				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.1972	11.53	0.00	13575516				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.5157	12.62	0.00	34900385				



ENTHALPY SPIKE USER REPORT FOR 495753 PCBS Wipe
EPA 8082

Type: BS	Type: BSD
Inst: SVOA-GC06	Inst: SVOA-GC06
Seqnum: 453457070006.4	Seqnum: 453457070007.4
File: gc06_111323006	File: gc06_111323007
IDF: 1.0	IDF: 1.0
Lab ID: QC1106495	Lab ID: QC1106496
Matrix: Wipe	Matrix: Wipe
Batch: 326371	Batch: 326371
Time: 13-NOV-2023 10:51	Time: 13-NOV-2023 11:09
Cal: 453416704002	Cal: 453416704002
Units: ug/dm2	

- BS: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	439.5	4.395	B	88	427.1	4.271	B	85	60-140	3	20	u
Aroclor-1016 Peak # 1		427.6	4.276	B		419.9	4.199	B					
Aroclor-1016 Peak # 2		436.2	4.362	B		427.5	4.275	B					
Aroclor-1016 Peak # 3		451.2	4.512	B		427.8	4.278	B					
Aroclor-1016 Peak # 4		447.2	4.472	B		436.6	4.366	B					
Aroclor-1016 Peak # 5		435.2	4.352	B		423.5	4.235	B					
Aroclor-1260	5.000	463.8	4.638	B	93	454.9	4.549	B	91	60-140	2	20	u
Aroclor-1260 Peak # 1		478.4	4.784	B		501.2	5.012	B					
Aroclor-1260 Peak # 2		478.3	4.783	B		467.1	4.671	B					
Aroclor-1260 Peak # 3		503.5	5.035	B		486.9	4.869	B					
Aroclor-1260 Peak # 4		431.6	4.316	B		409.1	4.091	B					
Aroclor-1260 Peak # 5		427.2	4.272	B		410.5	4.105	B					
Surrogates													
TCMX (PCB)	0.5000	38.98	0.3898	B	78	37.80	0.3780	B	76	19-121			u
Decachlorobiphenyl (PCB)	0.5000	39.96	0.3996	B	80	38.66	0.3866	B	77	19-121			u

ISTD (CCV gc06_111323004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13637102	15697033	15.11
1-bromo-2-nitrobenzene (PCB)	A	4723094	5622213	19.04

ISTD (CCV gc06_111323004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.11	4.11	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.91	3.92	0.01

ISTD (CCV gc06_111323004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	13637102	14343424	5.18
1-bromo-2-nitrobenzene (PCB)	A	4723094	5240179	10.95

ISTD (CCV gc06_111323004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.11	4.11	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.91	3.91	0.00

11/13/23 : WIPE/1dm2-10ML [general version]

MES 11/17/23 [Aroclor-1016 Peak # 3 B]: Separated from coeluting peak for Ch. B for spike. [general version]

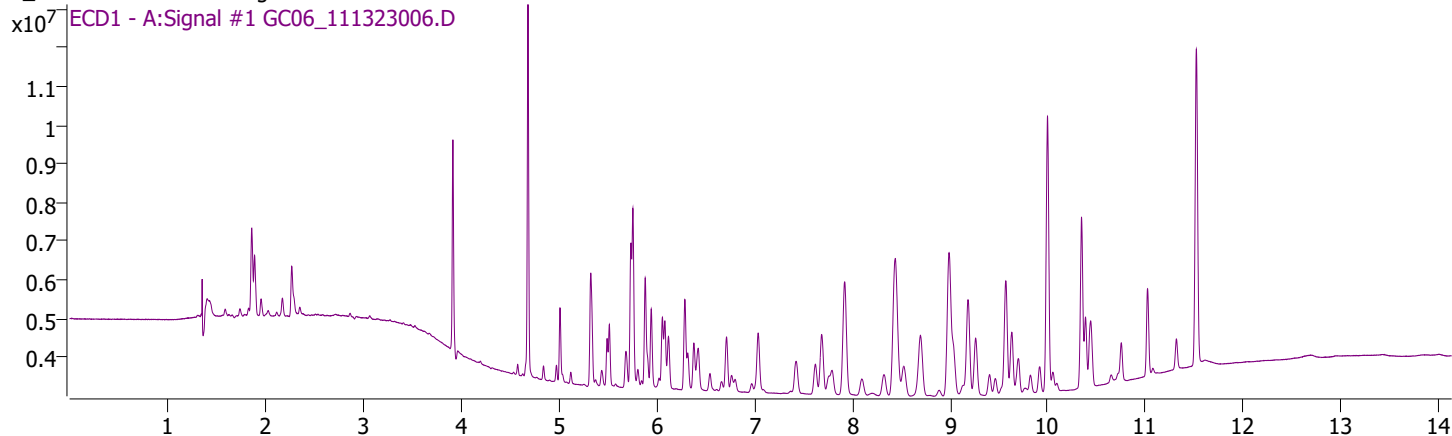
U=use

Reviewed By: MES 11/13/23 *, TJW 11/15/23 *, MTS 11/17/23 *

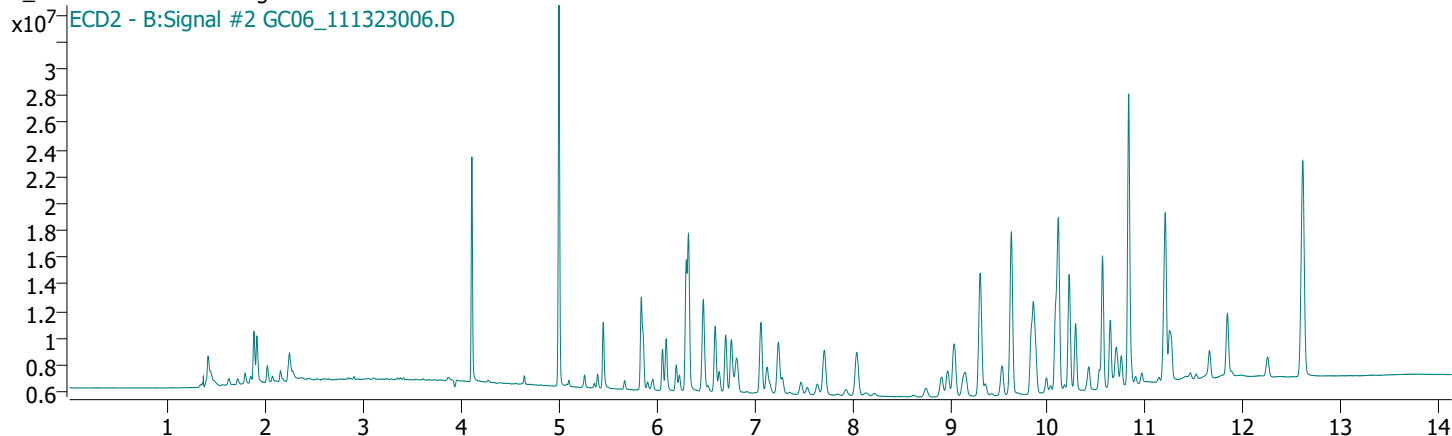
Quantitation Results Report (Not Reviewed)

Data File	GC06_111323006.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/13/2023 10:51:06 AM
Sample Name	QC1106495, 326371, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_23.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111323-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

GC06_111323006.D No MS Signals



GC06_111323006.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.918	0.0	5622212.56 3	20.0000	ng/ml	0.006
M 1-bromo-2-nitrobenzene (PCB) #2	4.113	0.0	15697033.2 59	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.686	0.0	9934658.98 0	35.5154	ng/ml	0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.58%	*	
S TCMX (PCB) #2	5.003	0.0	28761155.5 20	38.9790	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.89%	*	
S Decachlorobiphenyl (PCB)	11.518	0.0	14700462.4 01	40.9886	ng/ml	0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.94%	*	
S Decachlorobiphenyl (PCB) #2	12.606	0.0	36006079.1 42	39.9602	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.80%	*	

Target Compounds

QValue

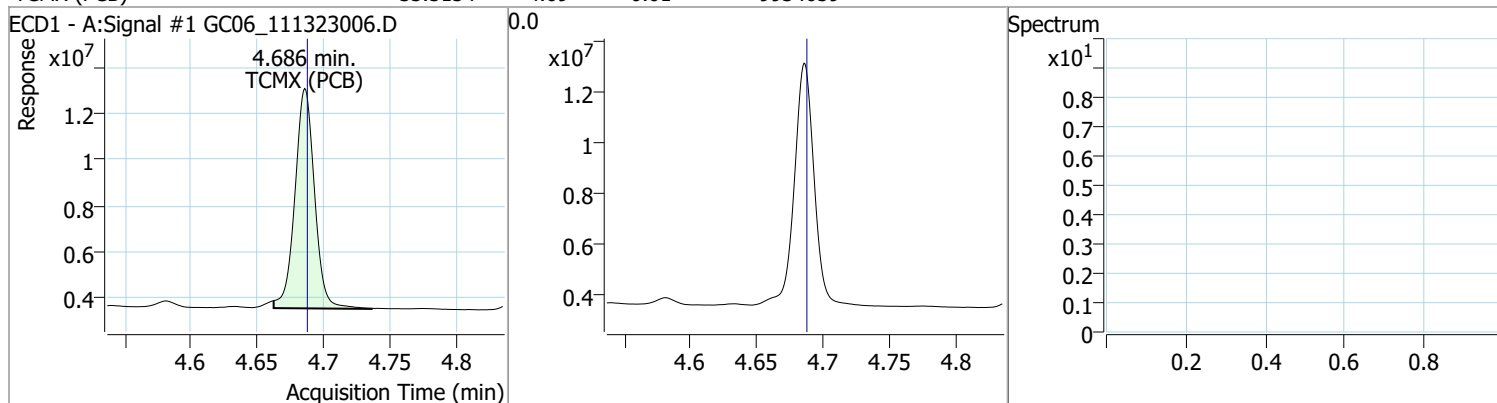
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.013	0.0	2385693.46 0	390.9629	ng/ml	100
T AR1016 2	5.328	0.0	4831446.77 8	394.4837	ng/ml	100
T AR1016 1 #2	5.456	0.0	6207156.61 4	427.6405	ng/ml	100
T AR1016 3	5.758	0.0	5967993.73 9	402.6463	ng/ml	100
T AR1016 2 #2	5.844	0.0	13211956.3 34	436.1623	ng/ml	100
T AR1016 4	5.884	0.0	4466749.30 1	455.3512	ng/ml	100
T AR1016 5	6.289	0.0	3515461.04 3	398.2484	ng/ml	100
T AR1016 3 #2	6.326	0.0	18188124.1 99	451.2303	ng/ml m	100
T AR1016 4 #2	6.478	0.0	12110667.4 68	447.2501	ng/ml	100
T AR1016 5 #2	7.067	0.0	9736578.15 8	435.2420	ng/ml	100
T AR1260 1	7.923	0.0	7519813.21 5	442.3908	ng/ml	100
T AR1260 2	8.440	0.0	11532625.5 22	435.4064	ng/ml	100
T AR1260 3	8.990	0.0	12543426.7 94	450.9881	ng/ml	100
T AR1260 1 #2	9.308	0.0	19882721.1 44	478.4329	ng/ml	100
T AR1260 4	9.570	0.0	6049036.80 3	413.7427	ng/ml	100
T AR1260 2 #2	9.627	0.0	23981769.0 40	478.2983	ng/ml	100
T AR1260 3 #2	10.107	0.0	32181262.5 72	503.4953	ng/ml	100
T AR1260 5	10.344	0.0	7666766.14 4	410.9525	ng/ml	100
T AR1260 4 #2	10.558	0.0	16771373.8 74	431.6062	ng/ml	100
T AR1260 5 #2	11.199	0.0	24604234.5 51	427.2279	ng/ml	100

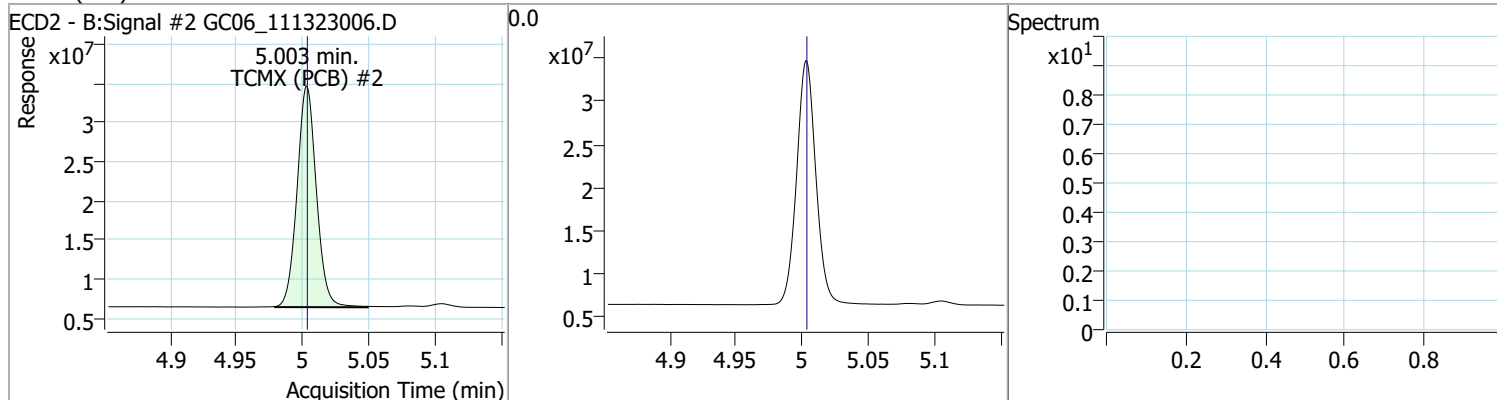
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

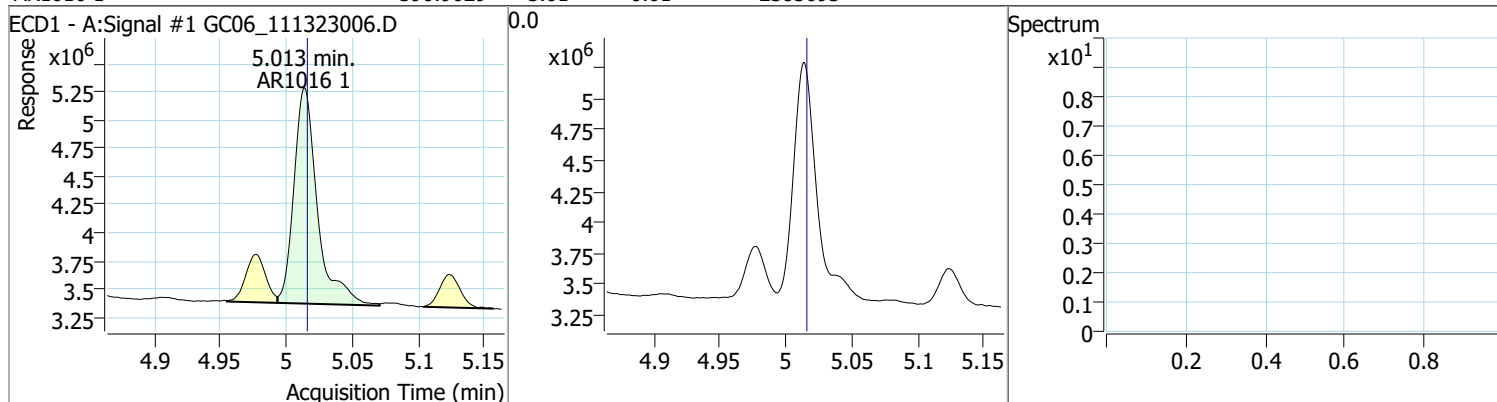
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.5154	4.69	0.01	9934659				



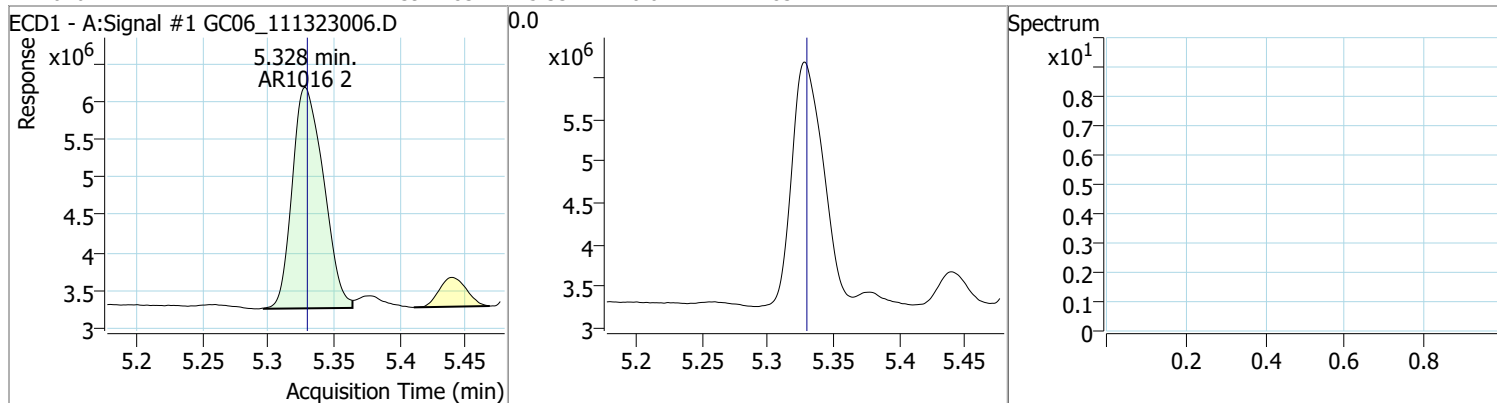
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.9790	5.00	0.00	28761156				



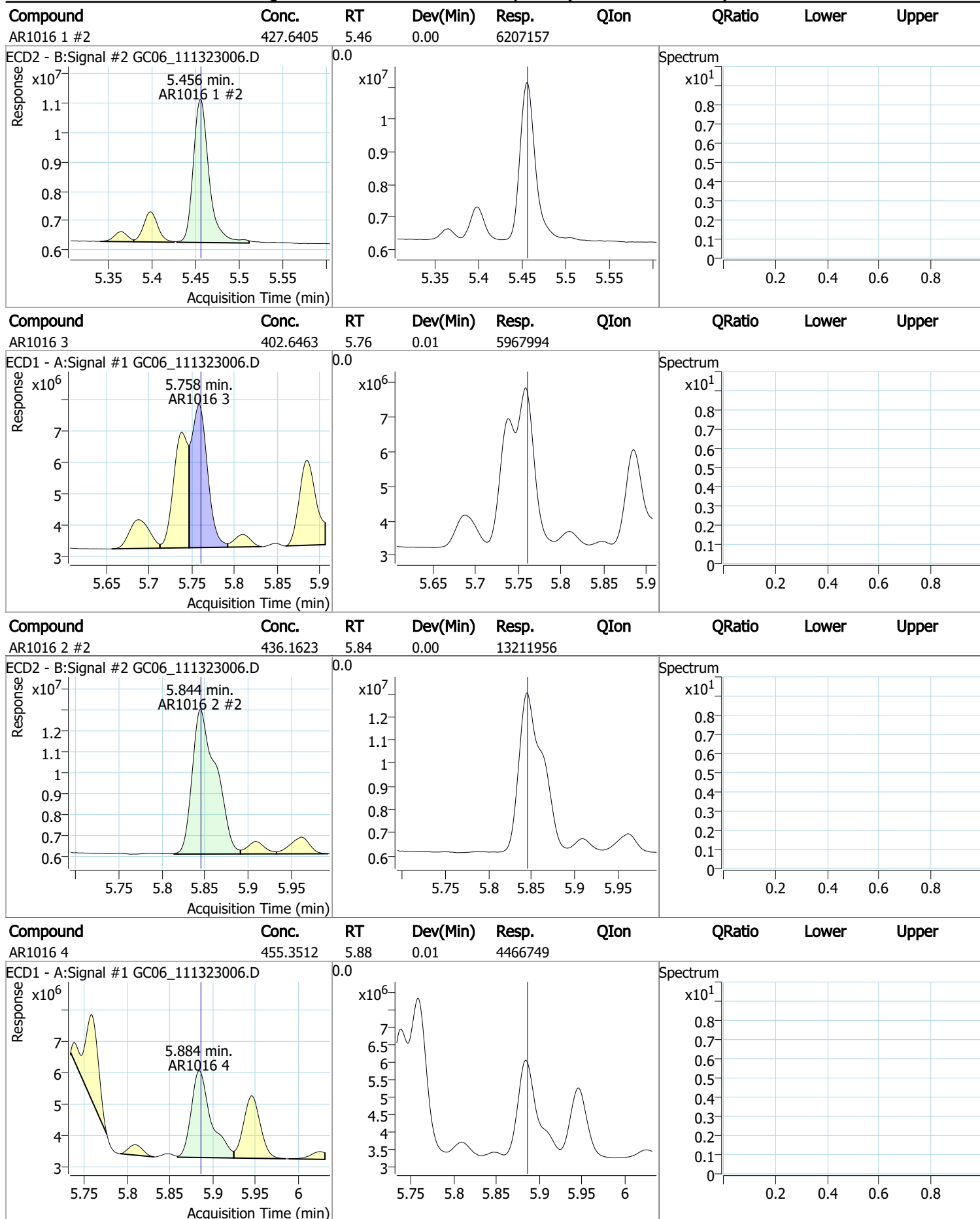
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	390.9629	5.01	0.01	2385693				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	394.4837	5.33	0.01	4831447				



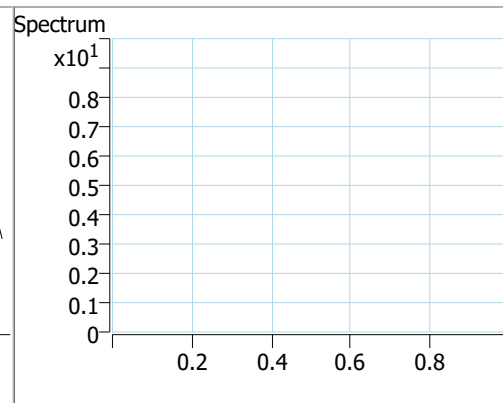
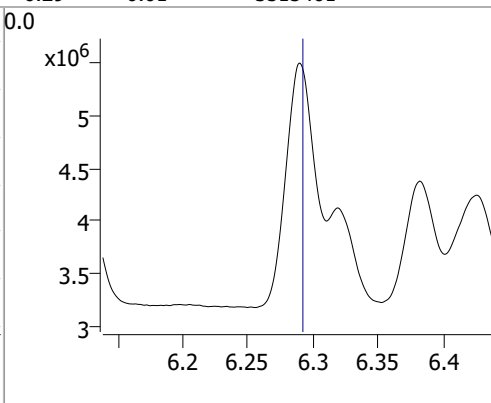
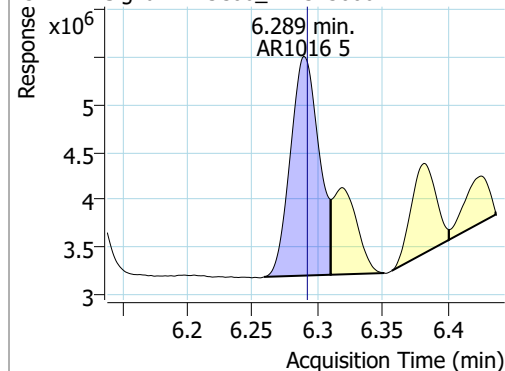
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

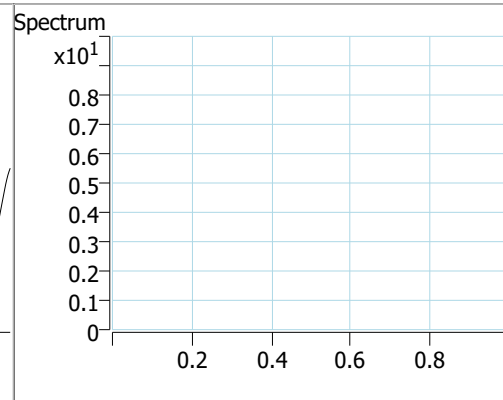
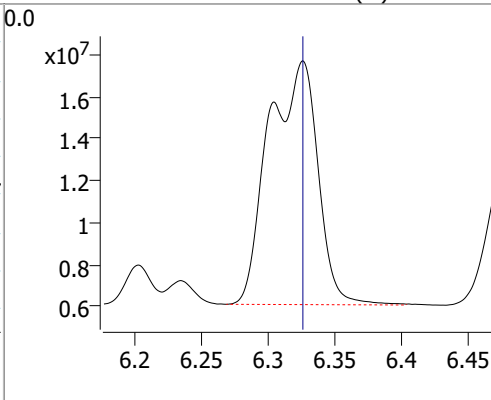
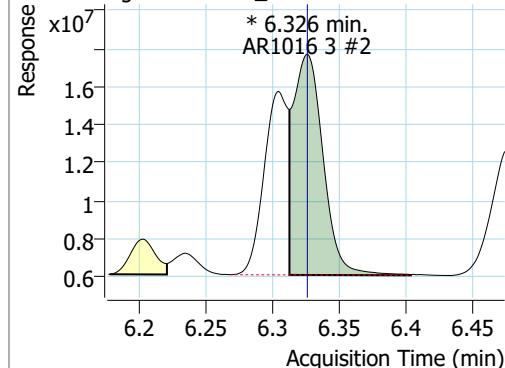
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	398.2484	6.29	0.01	3515461				

ECD1 - A:Signal #1 GC06_111323006.D



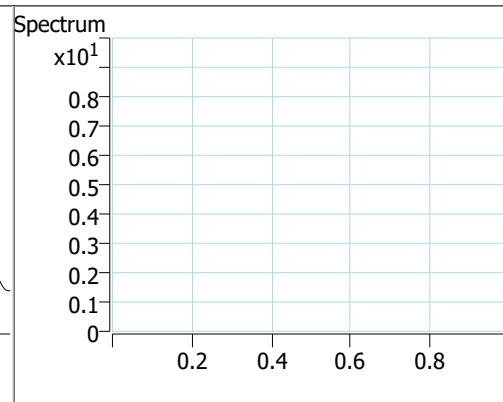
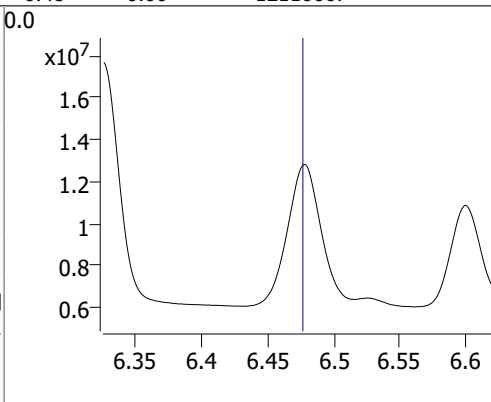
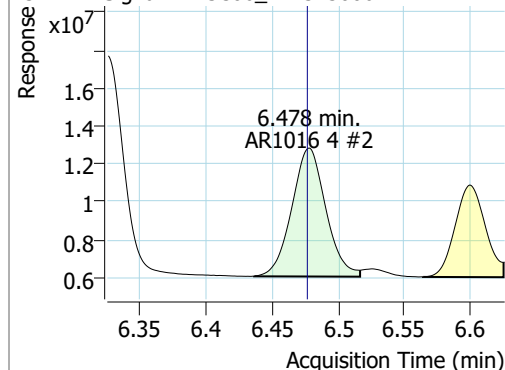
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	451.2303	6.33	0.00	18188124 (m)				

ECD2 - B:Signal #2 GC06_111323006.D



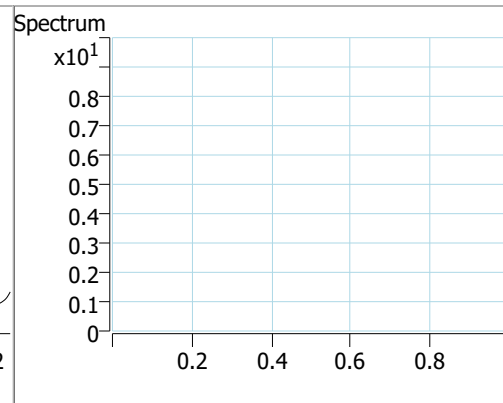
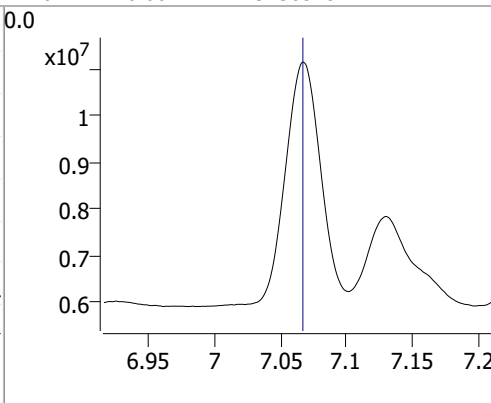
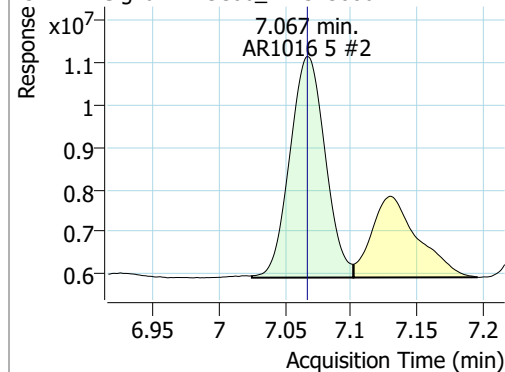
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	447.2501	6.48	0.00	12110667				

ECD2 - B:Signal #2 GC06_111323006.D

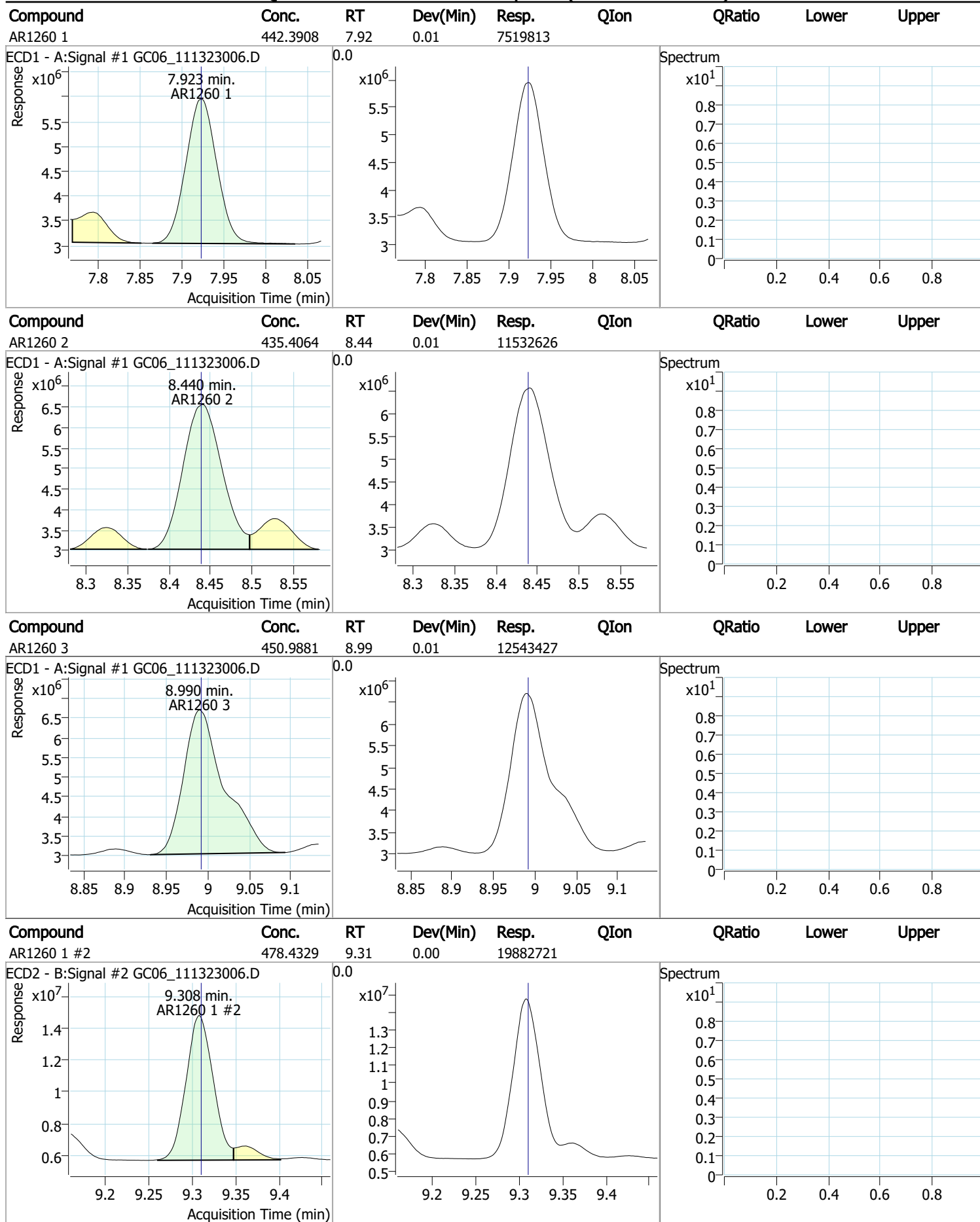


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	435.2420	7.07	0.00	9736578				

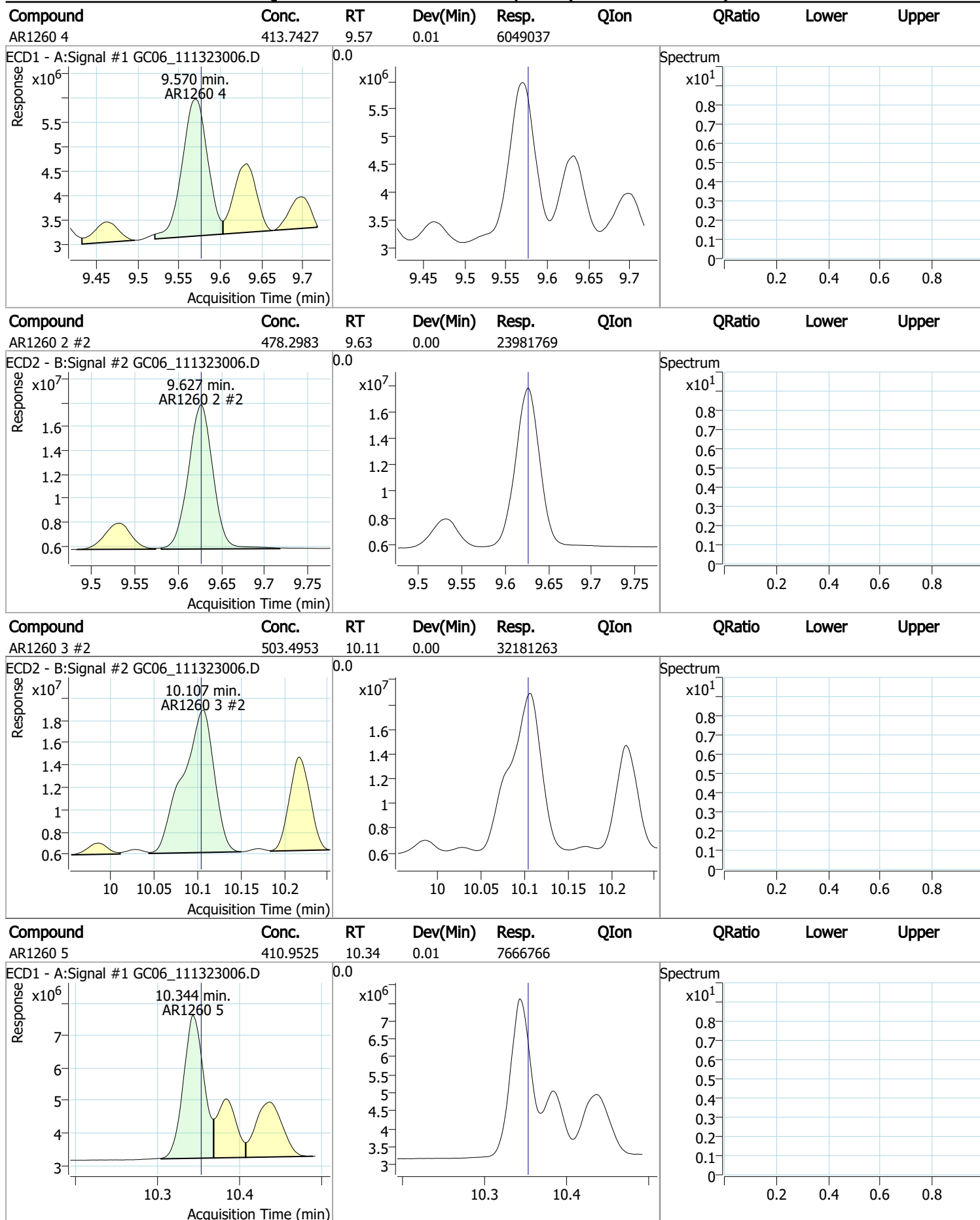
ECD2 - B:Signal #2 GC06_111323006.D



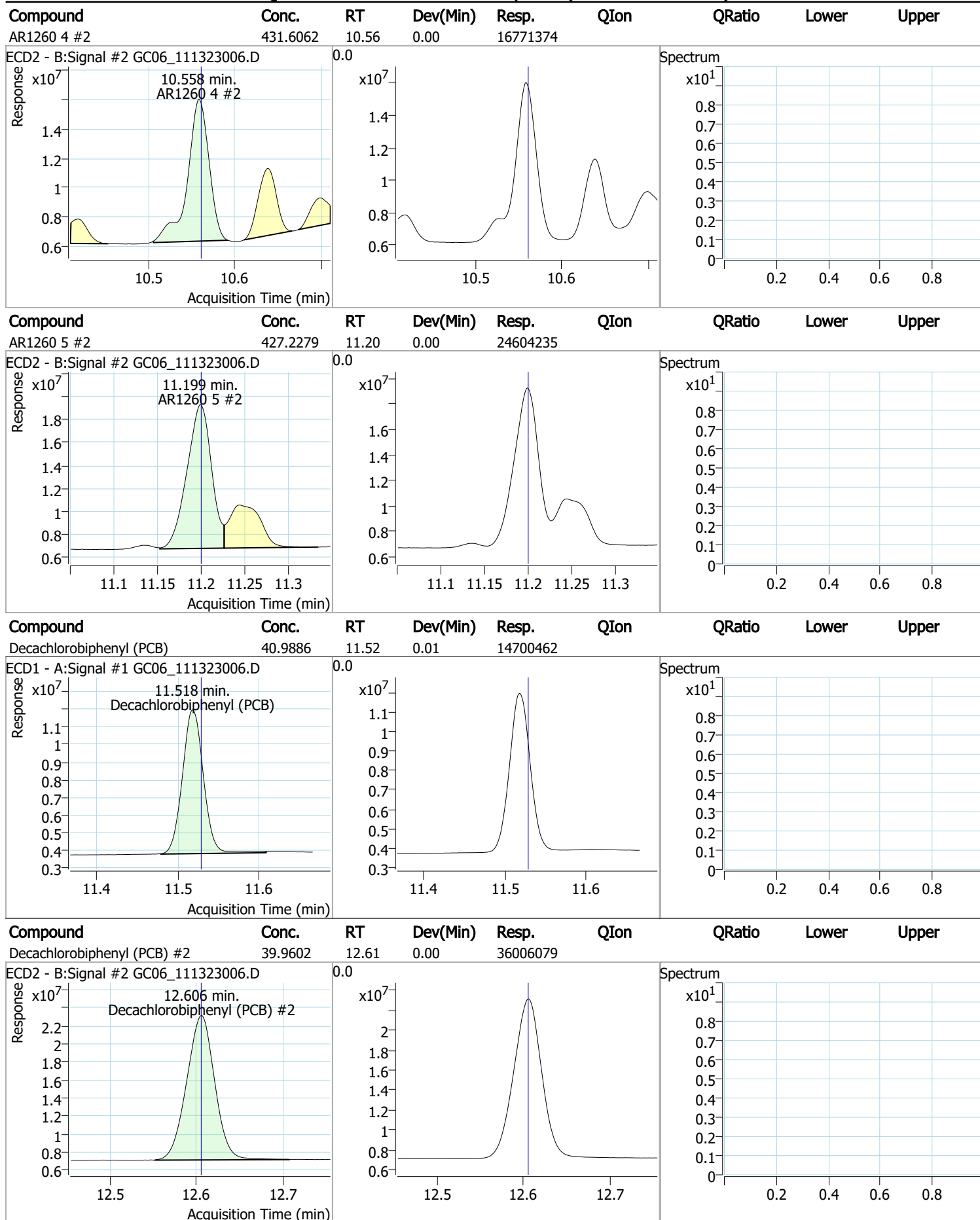
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

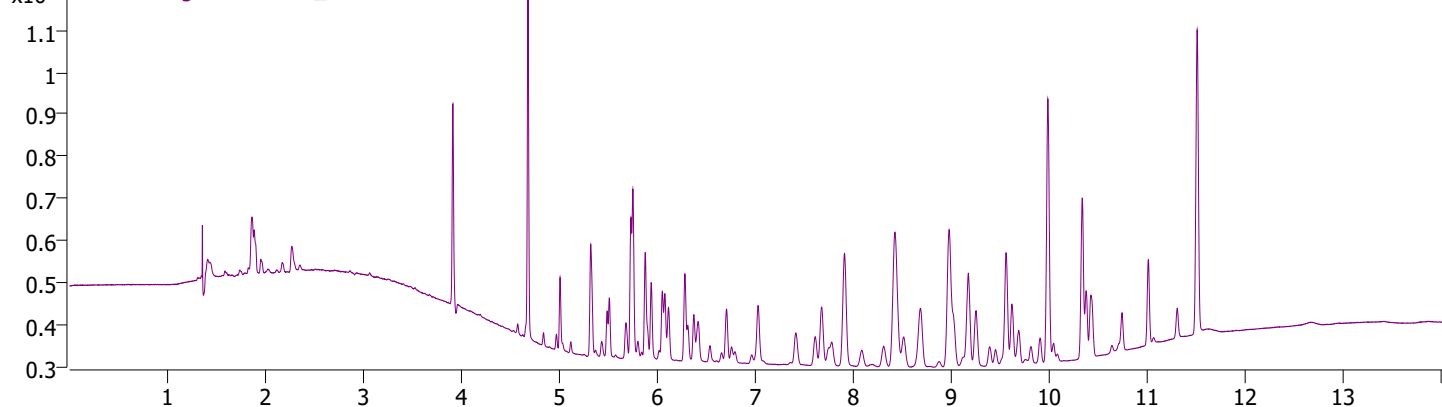


Quantitation Results Report (Not Reviewed)

Data File	GC06_111323007.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/13/2023 11:09:20 AM
Sample Name	QC1106496, 326371, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_23.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	111323-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

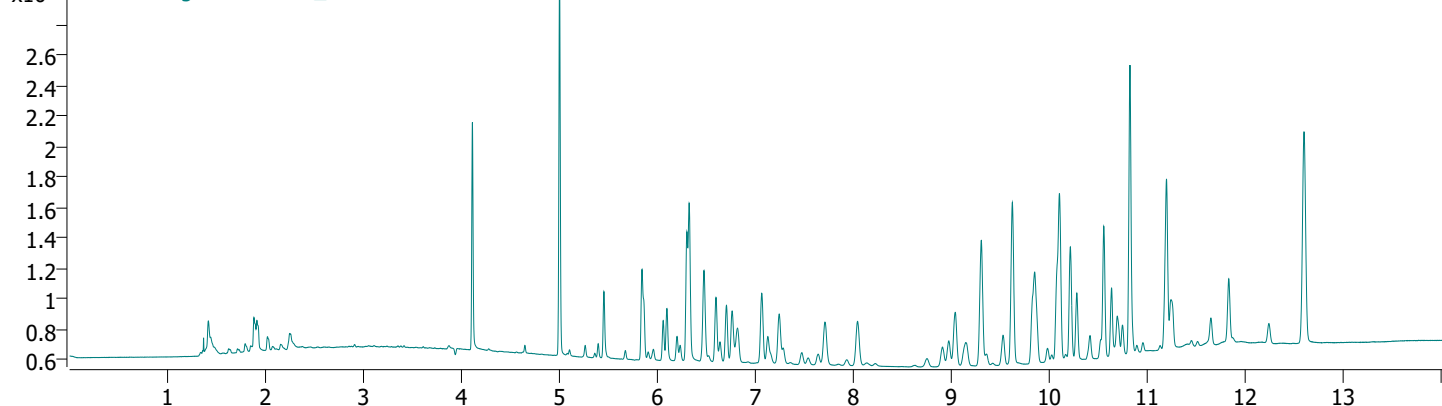
GC06_111323007.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_111323007.D



GC06_111323007.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_111323007.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.913	0.0	5240179.32 6	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.113	0.0	14343424.4 32	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.680	0.0	8807520.62 2	33.7814	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.91%	*	
S TCMX (PCB) #2	5.003	0.0	25483548.0 78	37.7962	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.98%	*	
S Decachlorobiphenyl (PCB)	11.511	0.0	12918609.4 31	38.6464	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.23%	*	
S Decachlorobiphenyl (PCB) #2	12.602	0.0	31832133.3 46	38.6618	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.31%	*	

Target Compounds

QValue

Quantitation Results Report (Not Reviewed)

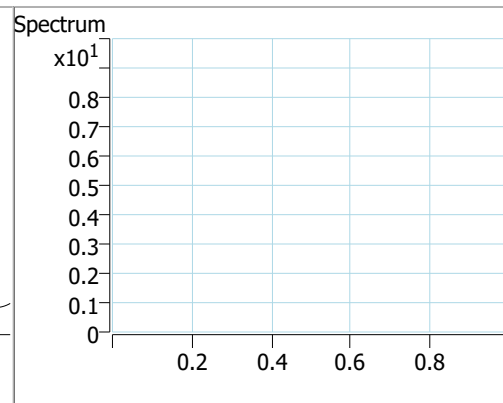
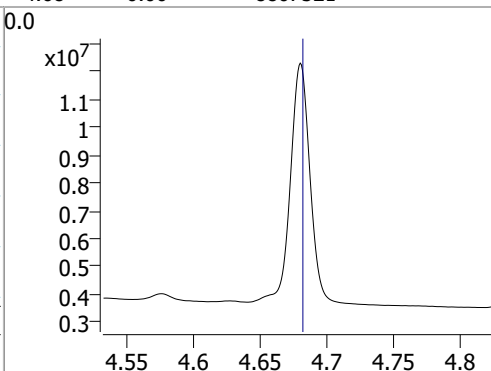
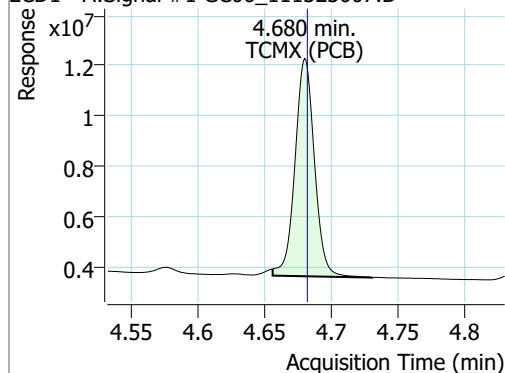
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.008	0.0	2130785.62 5	374.6466	ng/ml	100
T AR1016 2	5.321	0.0	4290990.37 9	375.8984	ng/ml	100
T AR1016 1 #2	5.455	0.0	5569572.13 0	419.9260	ng/ml	100
T AR1016 3	5.751	0.0	5342473.50 9	386.7220	ng/ml	100
T AR1016 2 #2	5.844	0.0	11834377.1 58	427.5541	ng/ml	100
T AR1016 4	5.877	0.0	4002525.12 0	437.7742	ng/ml	100
T AR1016 5	6.282	0.0	3156113.50 0	383.6061	ng/ml	100
T AR1016 3 #2	6.325	0.0	15755773.0 81	427.7744	ng/ml	100
T AR1016 4 #2	6.477	0.0	10804029.8 17	436.6494	ng/ml	100
T AR1016 5 #2	7.067	0.0	8657858.62 5	423.5451	ng/ml	100
T AR1260 1	7.911	0.0	6683255.91 0	421.8404	ng/ml	100
T AR1260 2	8.427	0.0	10314685.3 52	417.8147	ng/ml	100
T AR1260 3	8.979	0.0	11258169.1 09	434.2879	ng/ml	100
T AR1260 1 #2	9.308	0.0	19031327.9 14	501.1630	ng/ml	100
T AR1260 4	9.560	0.0	5364142.95 3	393.6458	ng/ml	100
T AR1260 2 #2	9.624	0.0	21401097.2 44	467.1092	ng/ml	100
T AR1260 3 #2	10.105	0.0	28435786.9 70	486.8804	ng/ml	100
T AR1260 5	10.338	0.0	6789382.93 7	390.4548	ng/ml	100
T AR1260 4 #2	10.558	0.0	14526425.8 60	409.1123	ng/ml	100
T AR1260 5 #2	11.198	0.0	21601066.0 37	410.4778	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)

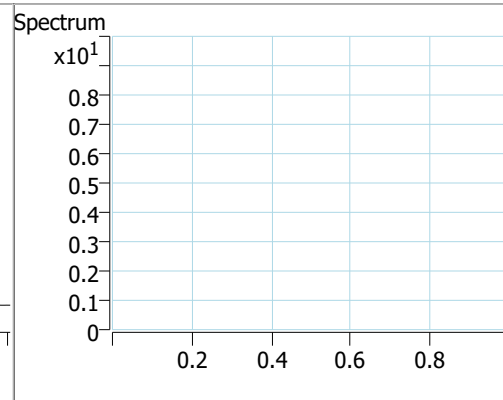
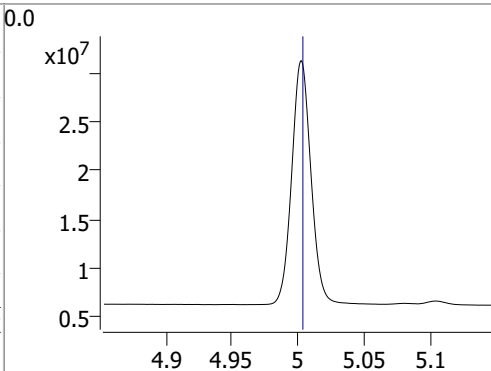
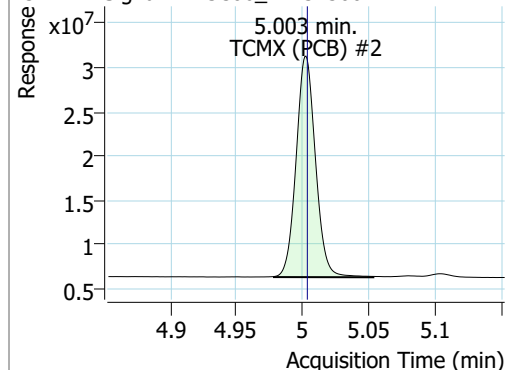
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.7814	4.68	0.00	8807521				

ECD1 - A:Signal #1 GC06_111323007.D



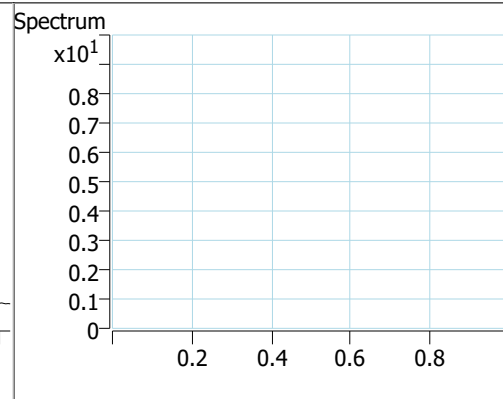
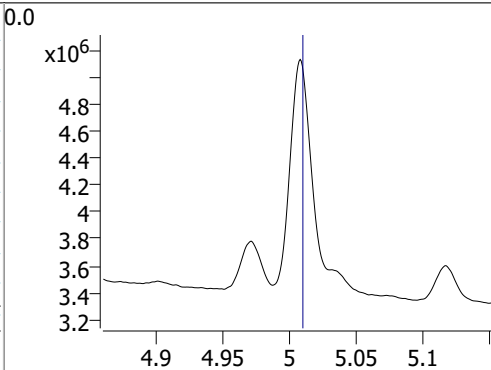
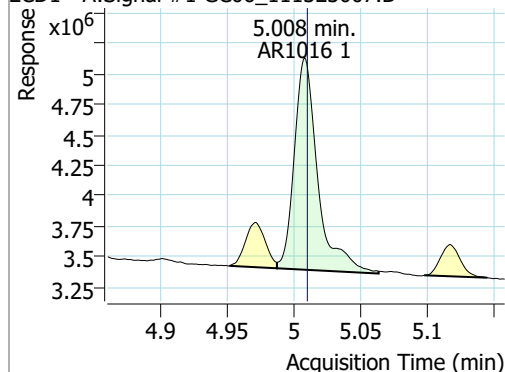
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.7962	5.00	0.00	25483548				

ECD2 - B:Signal #2 GC06_111323007.D



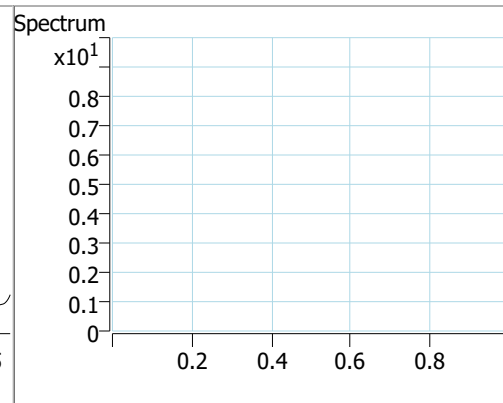
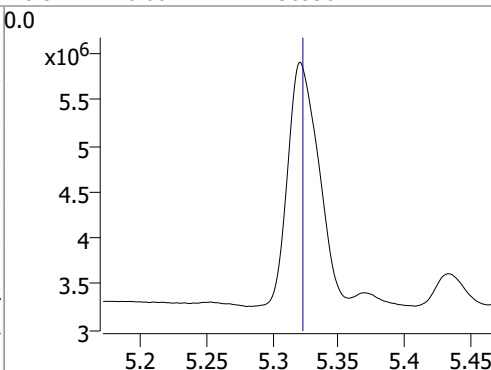
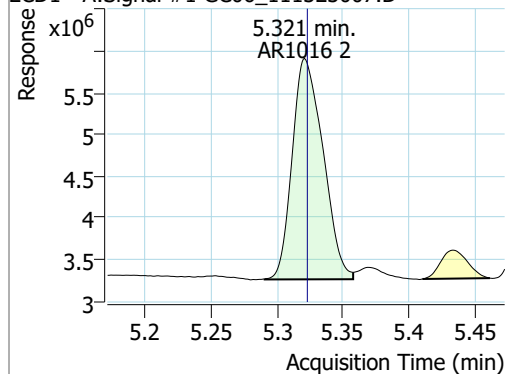
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	374.6466	5.01	0.00	2130786				

ECD1 - A:Signal #1 GC06_111323007.D

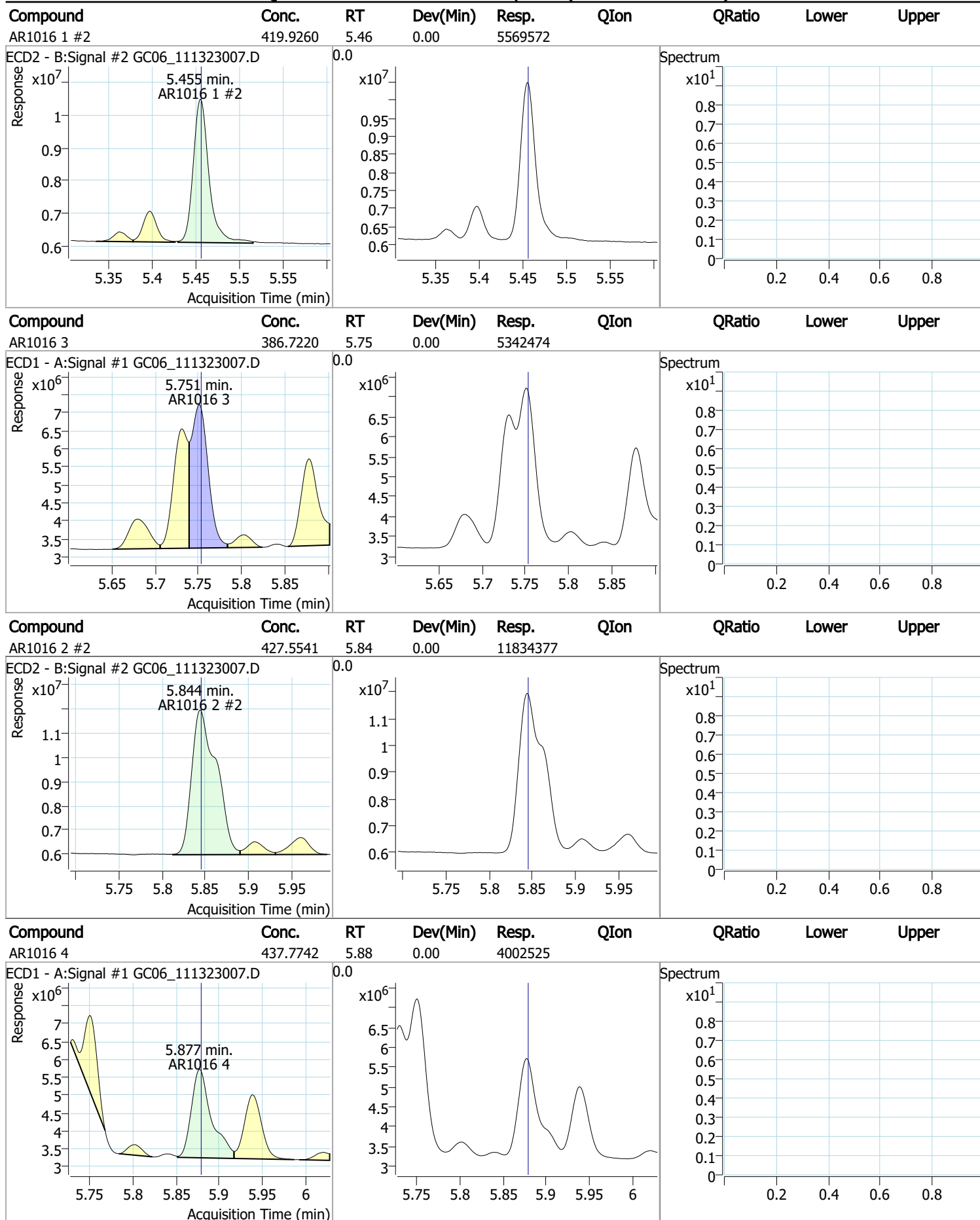


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	375.8984	5.32	0.00	4290990				

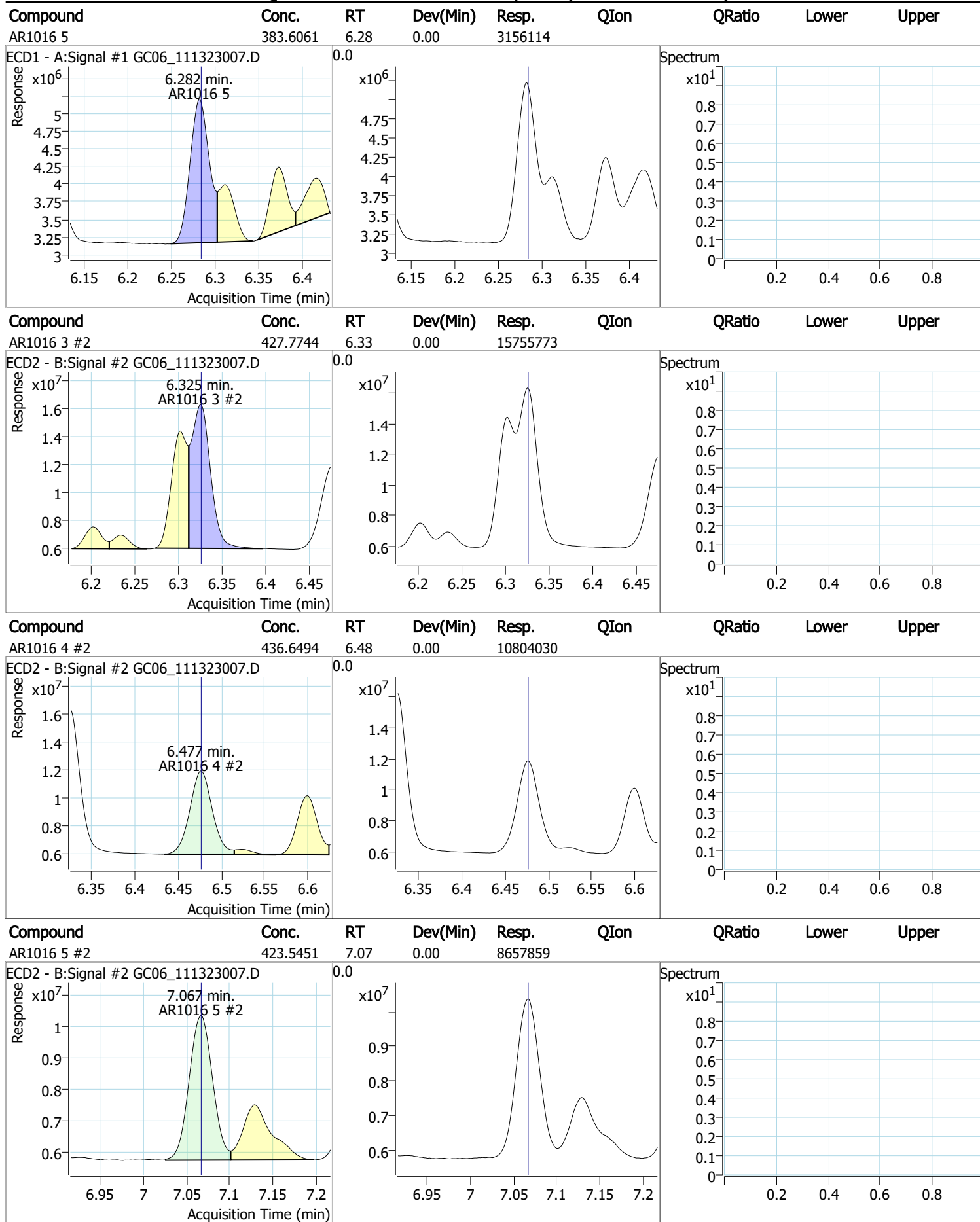
ECD1 - A:Signal #1 GC06_111323007.D



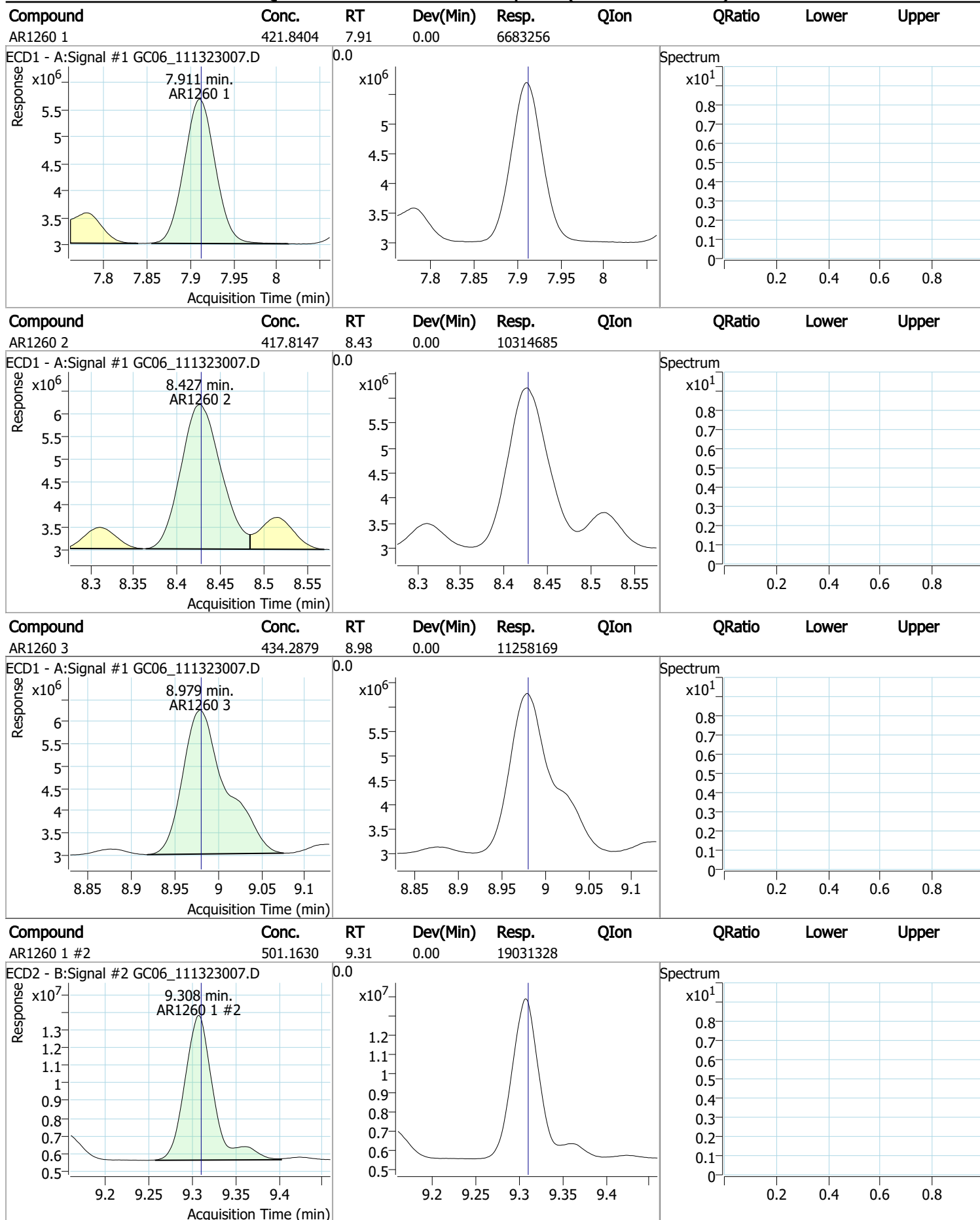
Quantitation Results Report (Not Reviewed)



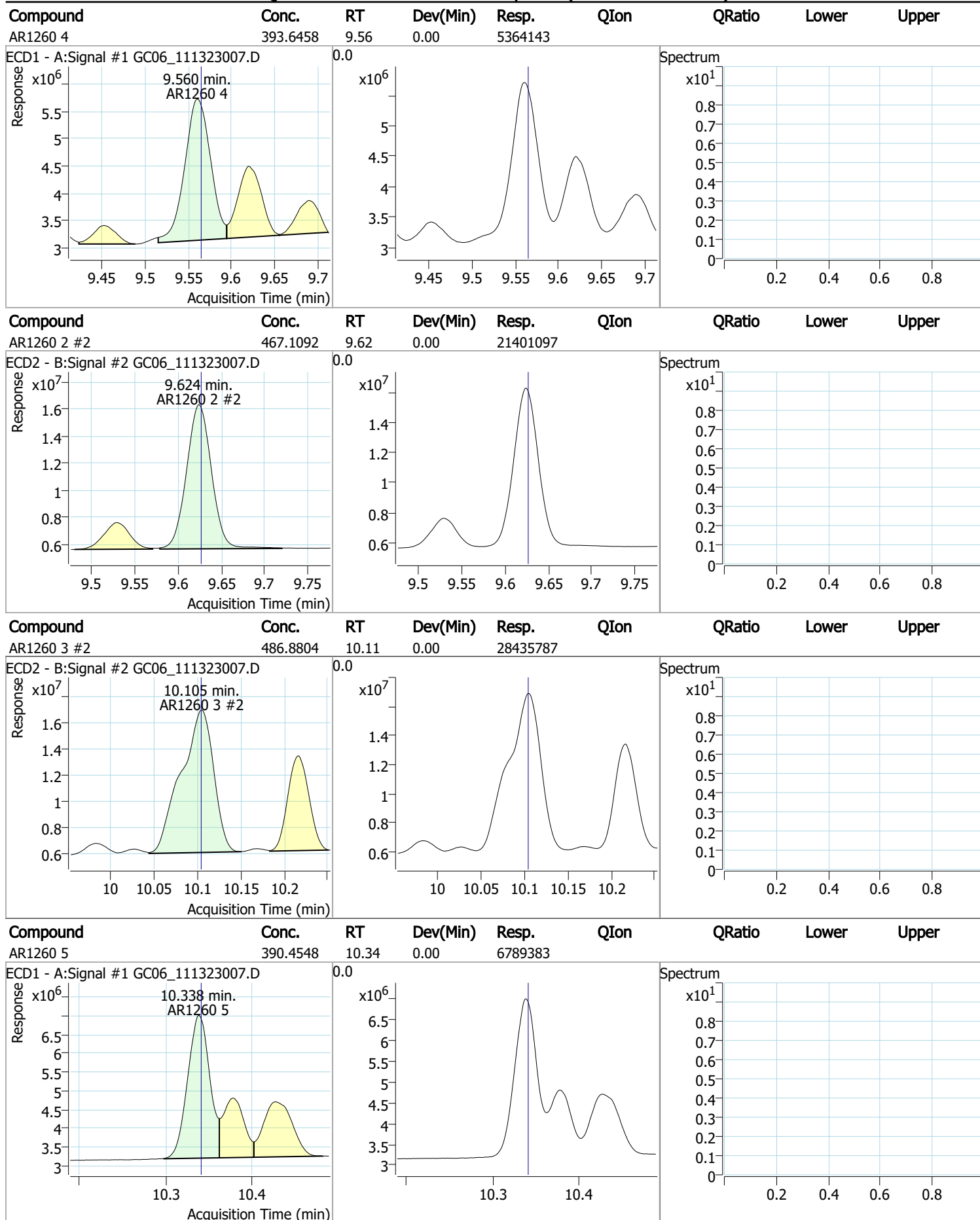
Quantitation Results Report (Not Reviewed)



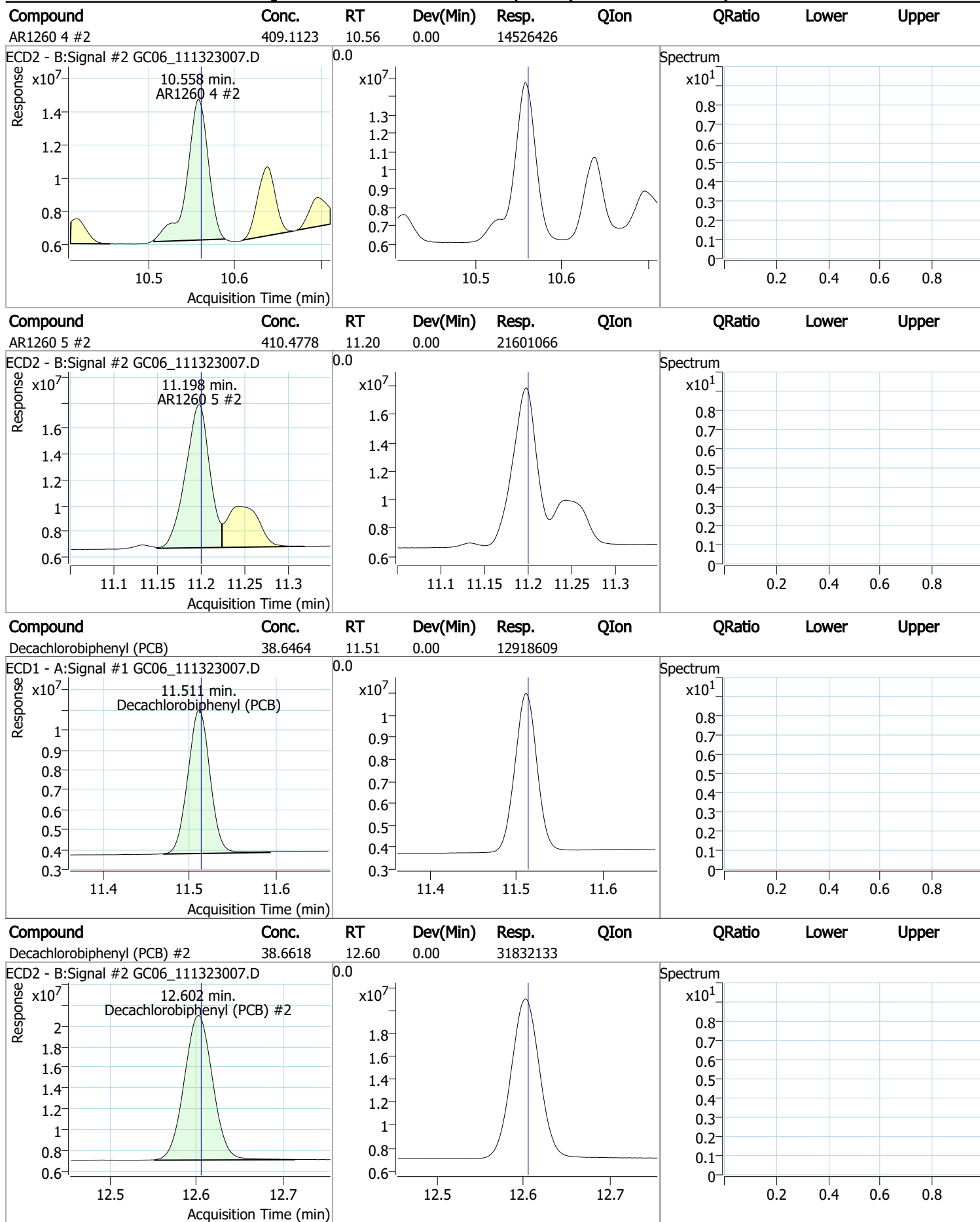
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Initial Calibration Raw Data

Instrument: SVOA-GC06
Calibration #: 453416704002
Units: ug/L

Name: PCB_101623_1
Date: 16-OCT-2023 14:04
X Axis: R

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

Instrument: SVOA-GC06
 Calibration #: 453416704002
 Units: ug/L

Name: PCB_101623_1
 Date: 16-OCT-2023 14:04
 X Axis: R

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

Instrument amount = a0 + (response × a1) + (response² × a2)

AVRG: Average response factor

Instrument: SVOA-GC06
 Calibration #: 453416704002
 Units: ug/L

Name: PCB_101623_1
 Date: 16-OCT-2023 14:04
 X Axis: R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0286	0.0258	0.0232	0.0226	0.0210	0.0201	0.0190	0.0177	0.0174
Aroclor-1016 Peak # 2	A	0.0596	0.0507	0.0472	0.0431	0.0397	0.0374	0.0365	0.0343	
Aroclor-1016 Peak # 3	A		0.0706	0.0593	0.0559	0.0516	0.0459	0.0470	0.0461	0.0455
Aroclor-1016 Peak # 4	A	0.0475	0.0409	0.0382	0.0348	0.0321	0.0352	0.0297	0.0280	0.0277
Aroclor-1016 Peak # 5	A	0.0435	0.0376	0.0351	0.0319	0.0295	0.0256	0.0275	0.0261	0.0258
Aroclor-1260 Peak # 1	A		0.0718	0.0662	0.0628	0.0566	0.0518	0.0536		
Aroclor-1260 Peak # 2	A	0.1225	0.1096	0.1017	0.0938	0.0857	0.0802	0.0818	0.0785	
Aroclor-1260 Peak # 3	A	0.1354	0.1126	0.1053	0.0967	0.0883	0.0845	0.0854	0.0833	
Aroclor-1260 Peak # 4	A		0.0627	0.0596	0.0552	0.0501	0.0458	0.0483	0.0471	0.0472
Aroclor-1260 Peak # 5	A	0.0870	0.0754	0.0745	0.0647	0.0583	0.0599	0.0577	0.0592	0.0605
Decachlorobiphenyl (PCB)	A		1.5108	1.2989	1.4029	1.3562	1.2173	1.1371	1.1496	1.1338
TCMX (PCB)	A	1.3501	1.1088	1.0150	1.1486	0.8786	0.8887	0.8727	0.8364	0.8569
Aroclor-1016 Peak # 1	B	0.0240	0.0205	0.0190	0.0186	0.0177	0.0178	0.0169	0.0158	0.0161
Aroclor-1016 Peak # 2	B	0.0502	0.0431	0.0405	0.0394	0.0371	0.0347	0.0352	0.0334	0.0337
Aroclor-1016 Peak # 3	B	0.0710	0.0577	0.0530	0.0498	0.0473	0.0454	0.0465	0.0449	0.0467
Aroclor-1016 Peak # 4	B	0.0467	0.0394	0.0364	0.0357	0.0336	0.0240	0.0324	0.0310	0.0313
Aroclor-1016 Peak # 5	B	0.0369	0.0317	0.0298	0.0284	0.0270	0.0254	0.0264	0.0253	0.0256
Aroclor-1260 Peak # 1	B	0.0719	0.0586	0.0552	0.0526	0.0494	0.0465	0.0478	0.0467	0.0478
Aroclor-1260 Peak # 2	B	0.0886	0.0713	0.0665	0.0631	0.0587	0.0552	0.0571	0.0565	0.0579
Aroclor-1260 Peak # 3	B	0.0997	0.0847	0.0802	0.0783	0.0751	0.0706			
Aroclor-1260 Peak # 4	B	0.0625	0.0504	0.0492	0.0495	0.0467	0.0432	0.0468	0.0476	0.0496
Aroclor-1260 Peak # 5	B	0.0879	0.0744	0.0743	0.0727	0.0690	0.0658	0.0707	0.0714	0.0742
Decachlorobiphenyl (PCB)	B	1.5611	1.1854	1.0694	1.1996	1.1911	1.0469	0.9946	1.0403	1.0441
TCMX (PCB)	B	1.1483	0.9750	0.9083	1.1058	0.8540	0.8950	0.8686	0.8341	0.8722

Instrument: SVOA-GC06
 Calibration #: 453416704002
 Units: ug/L

Name: PCB_101623_1
 Date: 16-OCT-2023 14:04
 X Axis: R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	32	50.000	19	100.00	7	250.00	4	500.00	-3	749.91	-8	1000.0	-13	1500.0	-19
Aroclor-1016 Peak # 2	A	20.000	37	50.000	16	100.00	8	250.00	-1	500.00	-9	749.91	-14	1000.0	-16	1500.0	-21
Aroclor-1016 Peak # 3	A			50.000	34	100.00	12	250.00	6	500.00	-2	749.91	-13	1000.0	-11	1500.0	-13
Aroclor-1016 Peak # 4	A	20.000	36	50.000	17	100.00	9	250.00	0	500.00	-8	749.91	1	1000.0	-15	1500.0	-20
Aroclor-1016 Peak # 5	A	20.000	39	50.000	20	100.00	12	250.00	2	500.00	-6	749.91	-19	1000.0	-12	1500.0	-17
Aroclor-1260 Peak # 1	A			50.000	19	100.00	10	250.00	4	500.00	-6	749.91	-14	1000.0	-11		
Aroclor-1260 Peak # 2	A	20.000	30	50.000	16	100.00	8	250.00	0	500.00	-9	749.91	-15	1000.0	-13	1500.0	-17
Aroclor-1260 Peak # 3	A	20.000	37	50.000	14	100.00	6	250.00	-2	500.00	-11	749.91	-15	1000.0	-14	1500.0	-16
Aroclor-1260 Peak # 4	A			50.000	21	100.00	15	250.00	6	500.00	-4	749.91	-12	1000.0	-7	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	31	50.000	14	100.00	12	250.00	-2	500.00	-12	749.91	-10	1000.0	-13	1500.0	-11
Decachlorobiphenyl (PCB)	A			4.0000	18	8.0000	2	20.000	10	40.000	6	59.993	-5	80.000	-11	120.00	-10
TCMX (PCB)	A	1.6000	36	4.0000	11	8.0000	2	20.000	15	40.000	-12	59.993	-11	80.000	-12	120.00	-16
Aroclor-1016 Peak # 1	B	20.000	30	50.000	11	100.00	3	250.00	1	500.00	-4	749.91	-4	1000.0	-9	1500.0	-15
Aroclor-1016 Peak # 2	B	20.000	30	50.000	12	100.00	5	250.00	2	500.00	-4	749.91	-10	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 3	B	20.000	38	50.000	12	100.00	3	250.00	-3	500.00	-8	749.91	-12	1000.0	-9	1500.0	-13
Aroclor-1016 Peak # 4	B	20.000	35	50.000	14	100.00	5	250.00	4	500.00	-3	749.91	-30	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 5	B	20.000	29	50.000	11	100.00	5	250.00	0	500.00	-5	749.91	-11	1000.0	-8	1500.0	-11
Aroclor-1260 Peak # 1	B	20.000	36	50.000	11	100.00	4	250.00	-1	500.00	-7	749.91	-12	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 2	B	20.000	39	50.000	12	100.00	4	250.00	-1	500.00	-8	749.91	-14	1000.0	-11	1500.0	-12
Aroclor-1260 Peak # 3	B	20.000	22	50.000	4	100.00	-1	250.00	-4	500.00	-8	749.91	-13				
Aroclor-1260 Peak # 4	B	20.000	26	50.000	2	100.00	-1	250.00	0	500.00	-6	749.91	-13	1000.0	-6	1500.0	-4
Aroclor-1260 Peak # 5	B	20.000	20	50.000	1	100.00	1	250.00	-1	500.00	-6	749.91	-10	1000.0	-4	1500.0	-3
Decachlorobiphenyl (PCB)	B	1.6000	36	4.0000	3	8.0000	-7	20.000	4	40.000	4	59.993	-9	80.000	-13	120.00	-9
TCMX (PCB)	B	1.6000	22	4.0000	4	8.0000	-3	20.000	18	40.000	-9	59.993	-5	80.000	-8	120.00	-11

Instrument: SVOA-GC06
 Calibration #: 453416704002
 Units: ug/L

Name: PCB_101623_1
 Date: 16-OCT-2023 14:04
 X Axis: R

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

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

Instrument: SVOA-GC06
Calibration #: 453416704002
Units: ug/L

Name: PCB_101623_1
Date: 16-OCT-2023 14:04
X Axis: R

Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 495753 PCBS Wipe
EPA 8082

Inst: SVOA-GC06
Calnum: 453416704002

Name: PCB_101623_1
Cal Date: 16-OCT-2023

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

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

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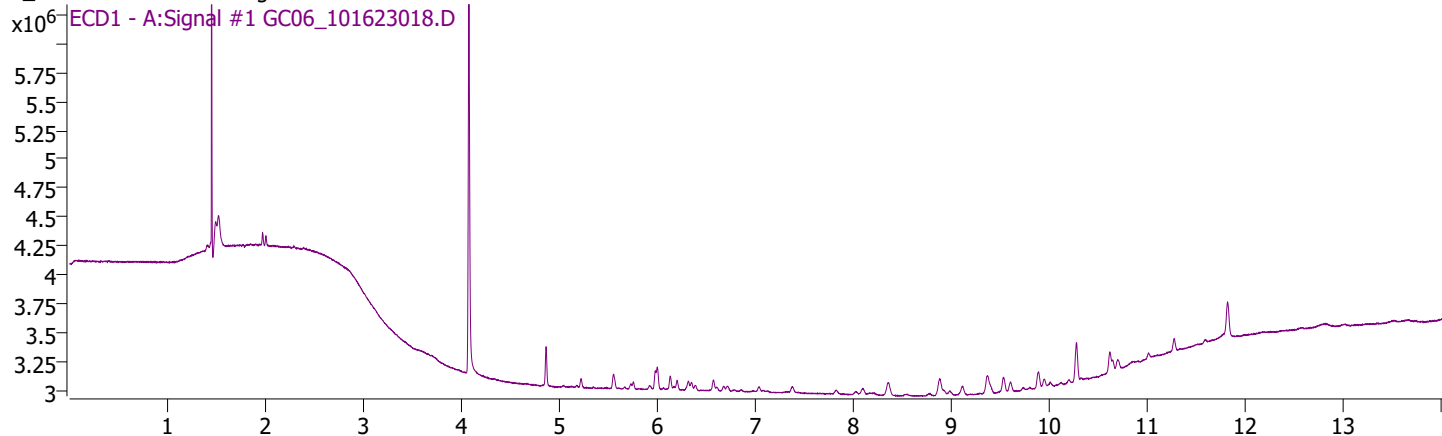
Analyst: TRN 10/16/23 *

Reviewer: MTS 10/17/23

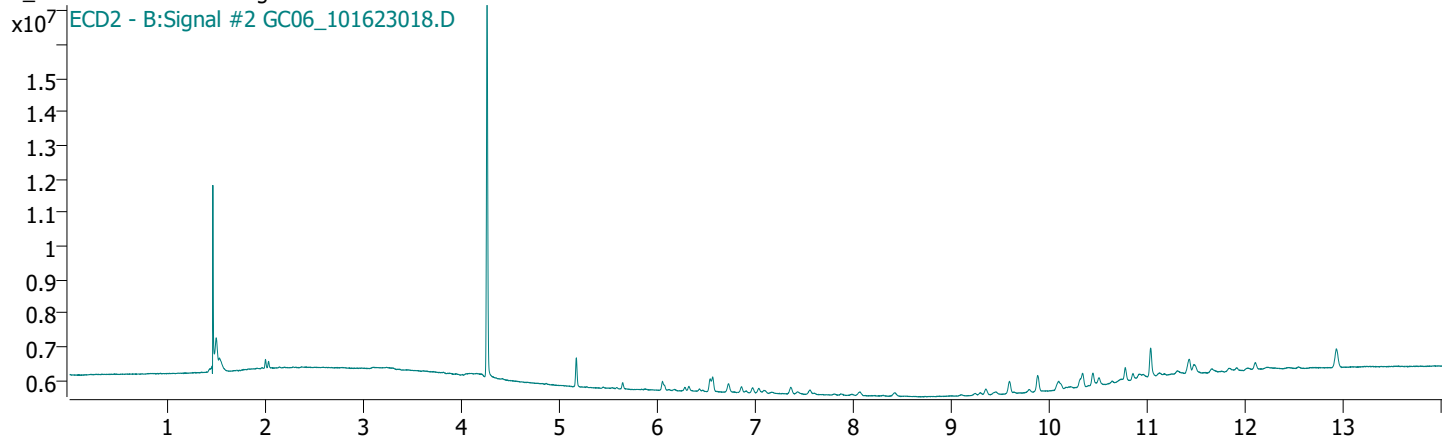
Quantitation Results Report (Not Reviewed)

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

GC06_101623018.D No MS Signals



GC06_101623018.D No MS Signals



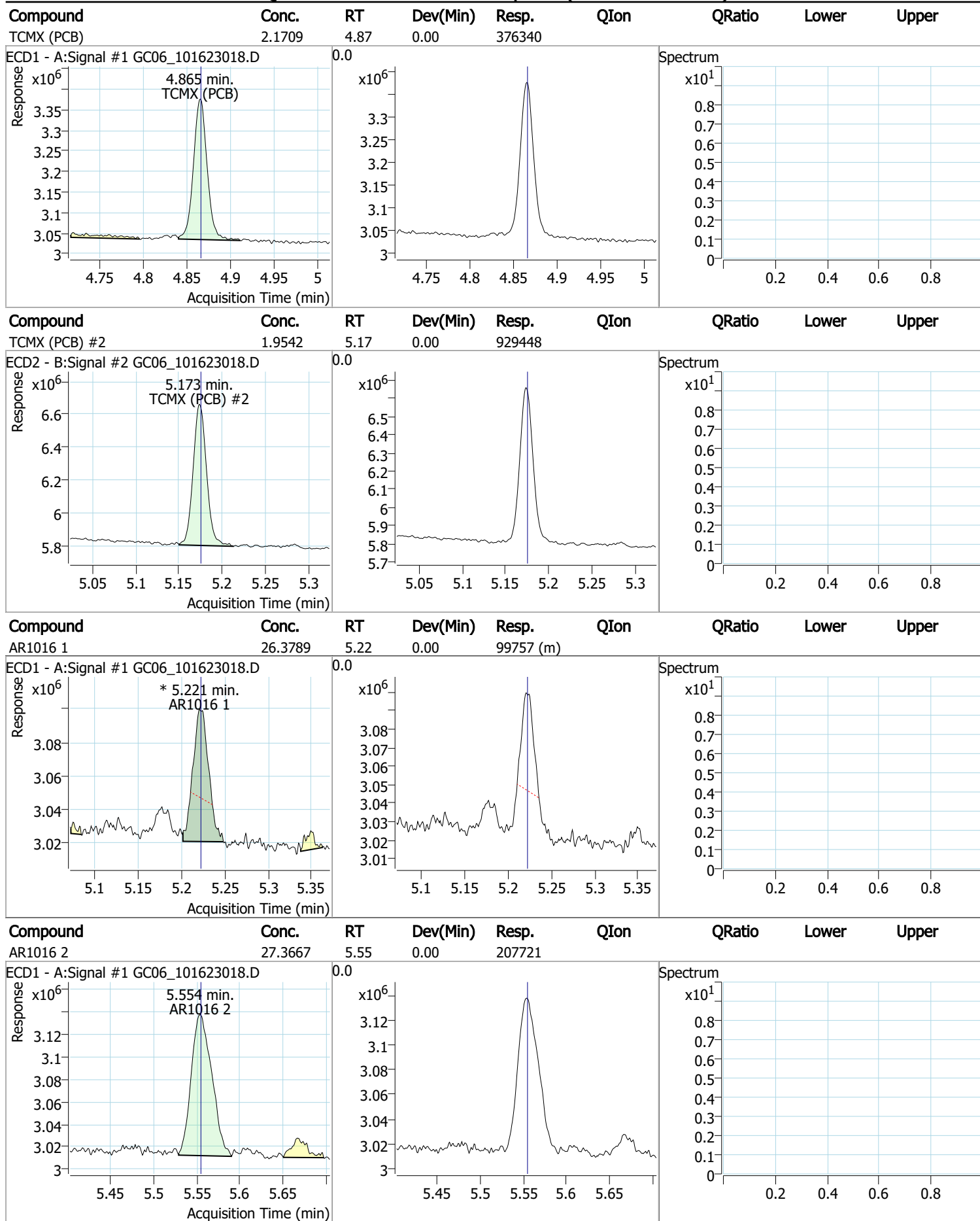
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3484313.563	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10117925.056	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.865	0.0	376339.950	2.1709	ng/ml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

Quantitation Results Report (Not Reviewed)

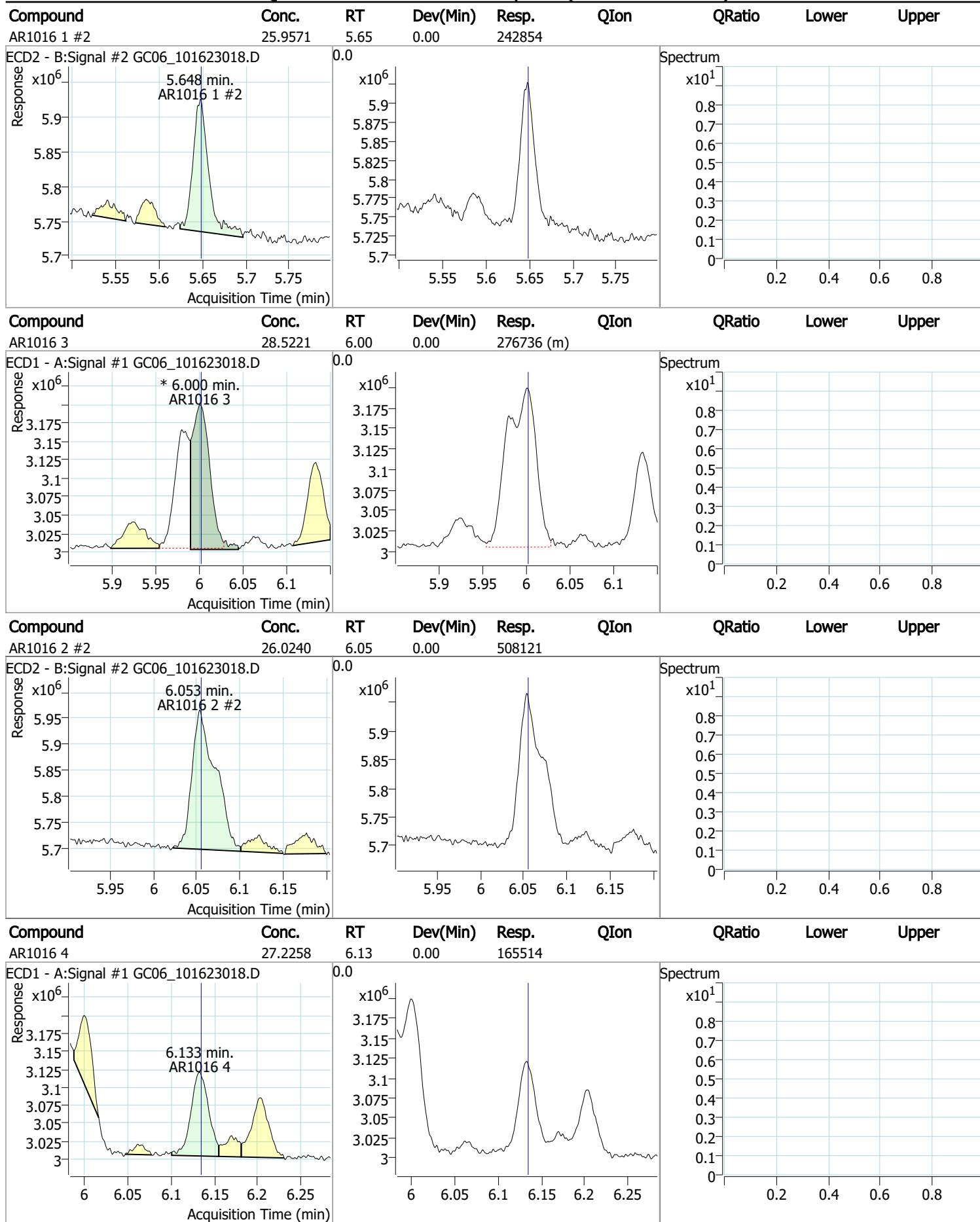
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1 #2	5.648	0.0	242853.636	25.9571	ng/ml	100
T AR1016 3	6.000	0.0	276736.403	28.5221	ng/ml m	100
T AR1016 2 #2	6.053	0.0	508120.900	26.0240	ng/ml	100
T AR1016 4	6.133	0.0	165514.379	27.2258	ng/ml	100
T AR1016 3 #2	6.566	0.0	718266.371	27.6453	ng/ml	100
T AR1016 5	6.573	0.0	151717.446	27.7330	ng/ml	100
T AR1016 4 #2	6.729	0.0	472545.195	27.0740	ng/ml m	100
T AR1016 5 #2	7.363	0.0	373326.762	25.8905	ng/ml	100
T AR1260 1	8.359	0.0	277286.685	26.3219	ng/ml	100
T AR1260 2	8.888	0.0	426994.415	26.0123	ng/ml	100
T AR1260 3	9.371	0.0	471631.303	27.3616	ng/ml	100
T AR1260 1 #2	9.597	0.0	727500.082	27.1584	ng/ml	100
T AR1260 2 #2	9.884	0.0	896593.210	27.7421	ng/ml	100
T AR1260 4	9.893	0.0	268583.264	29.6424	ng/ml	100
T AR1260 3 #2	10.343	0.0	1008263.18 1	24.4733	ng/ml m	100
T AR1260 5	10.622	0.0	303131.900	26.2181	ng/ml	100
T AR1260 4 #2	10.778	0.0	632542.173	25.2543	ng/ml	100
T AR1260 5 #2	11.433	0.0	889501.797	23.9620	ng/ml	100

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

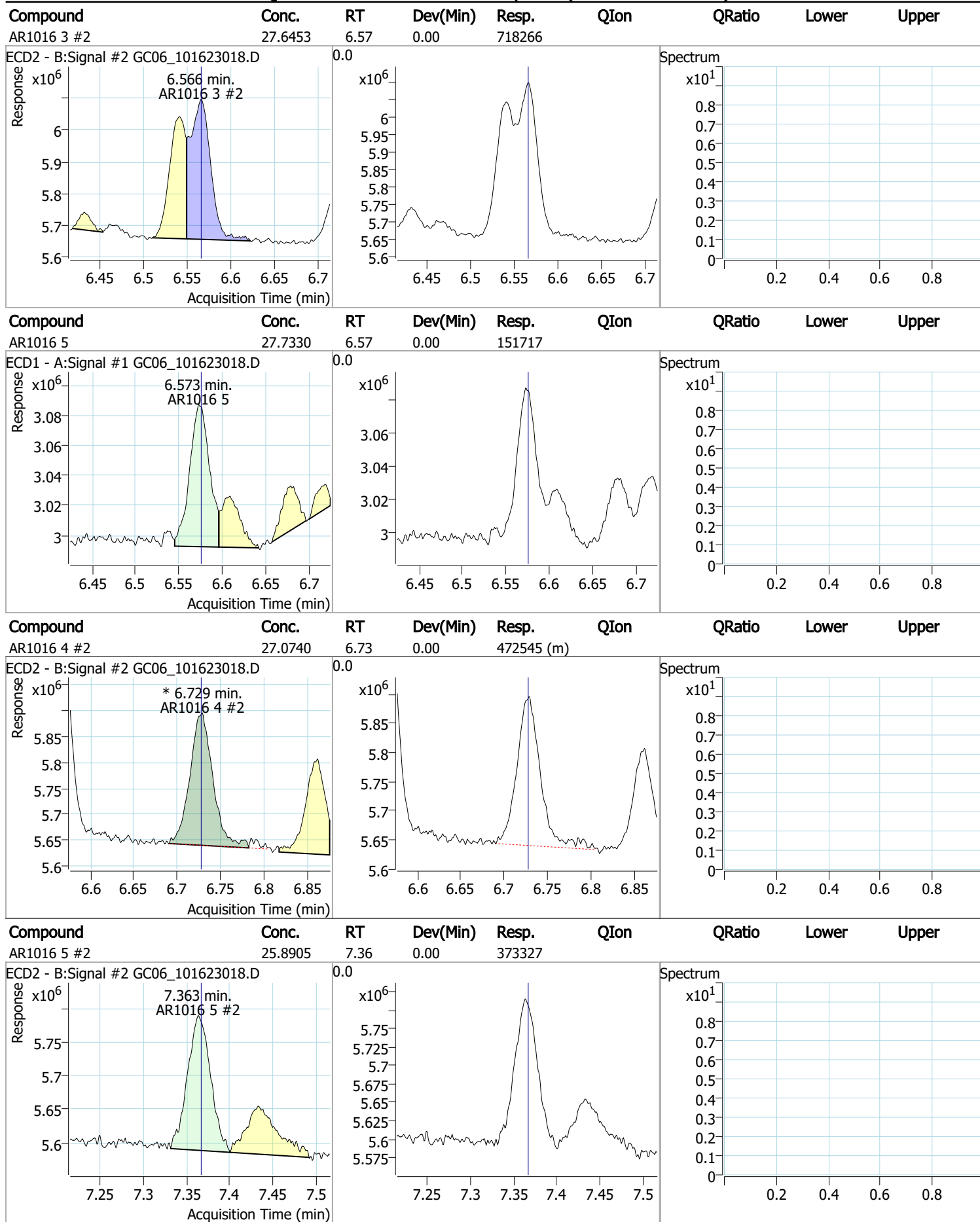
Quantitation Results Report (Not Reviewed)



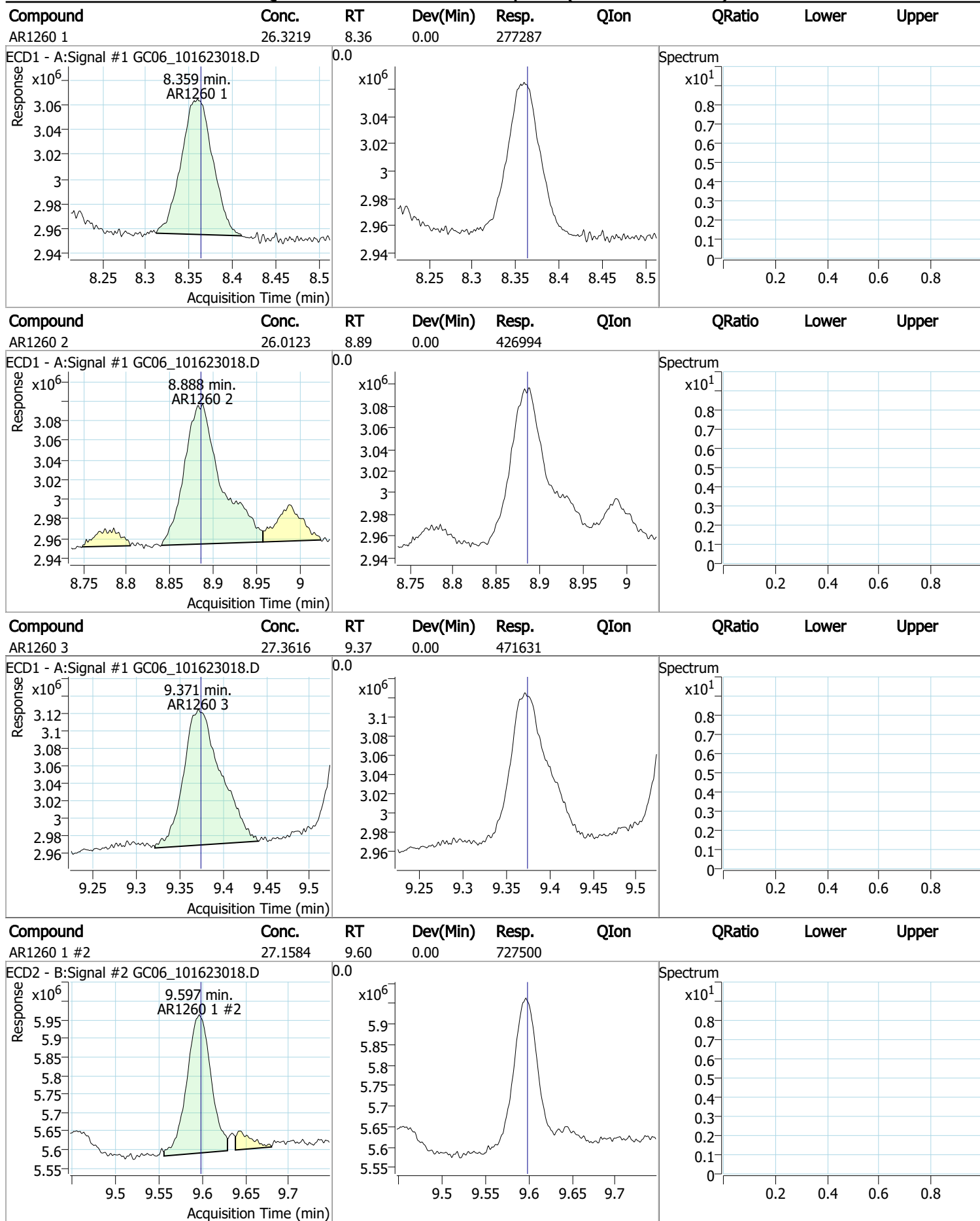
Quantitation Results Report (Not Reviewed)



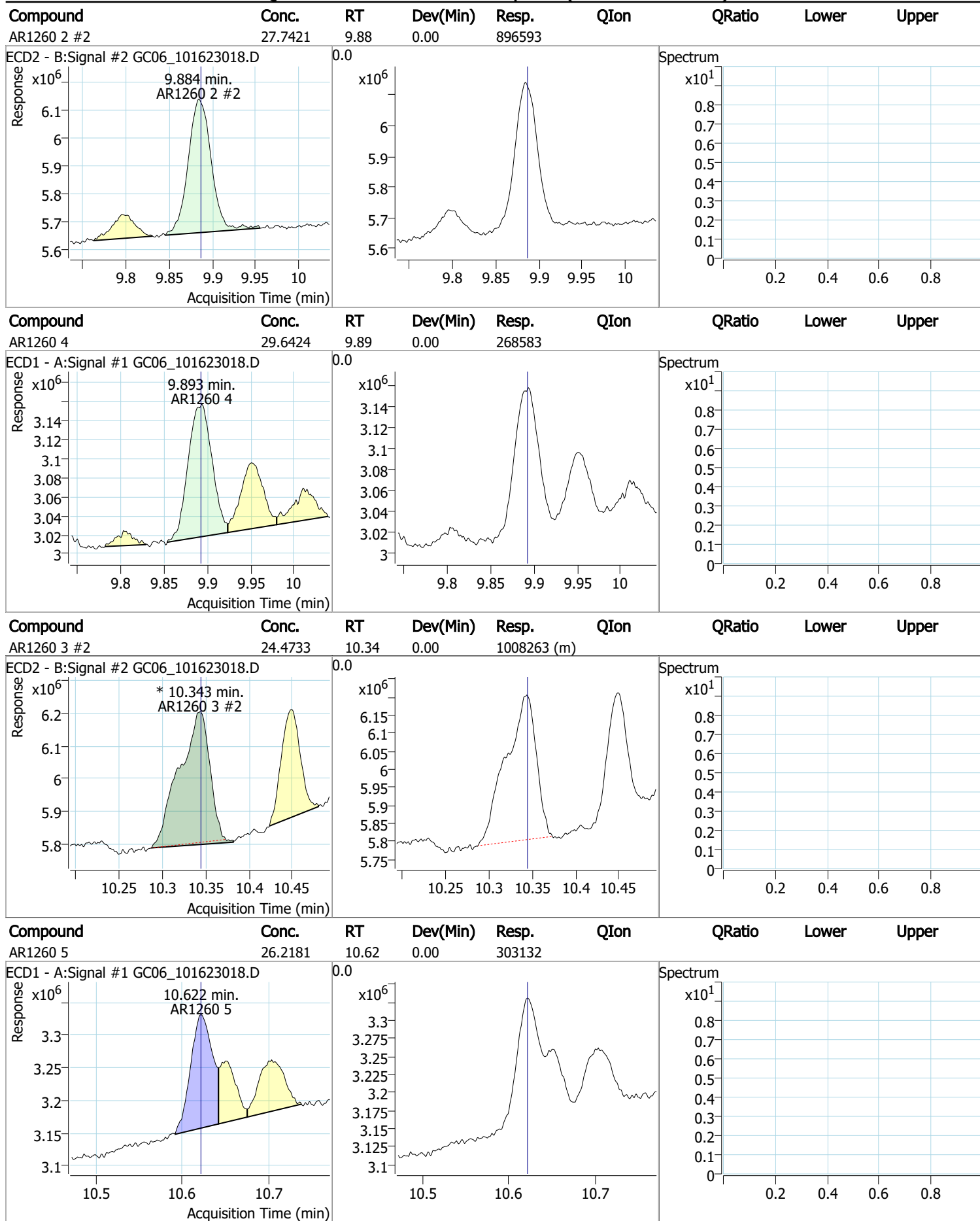
Quantitation Results Report (Not Reviewed)



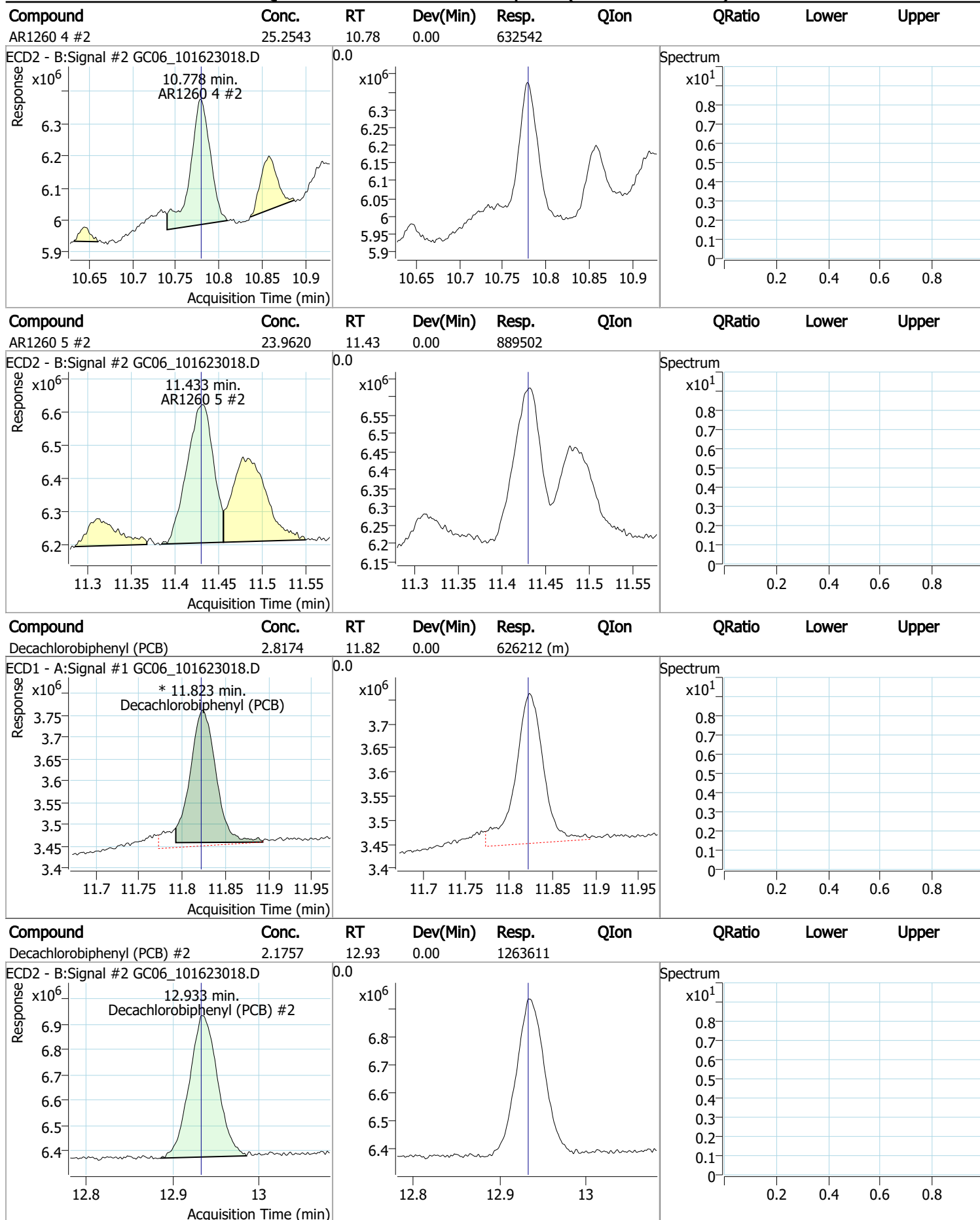
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

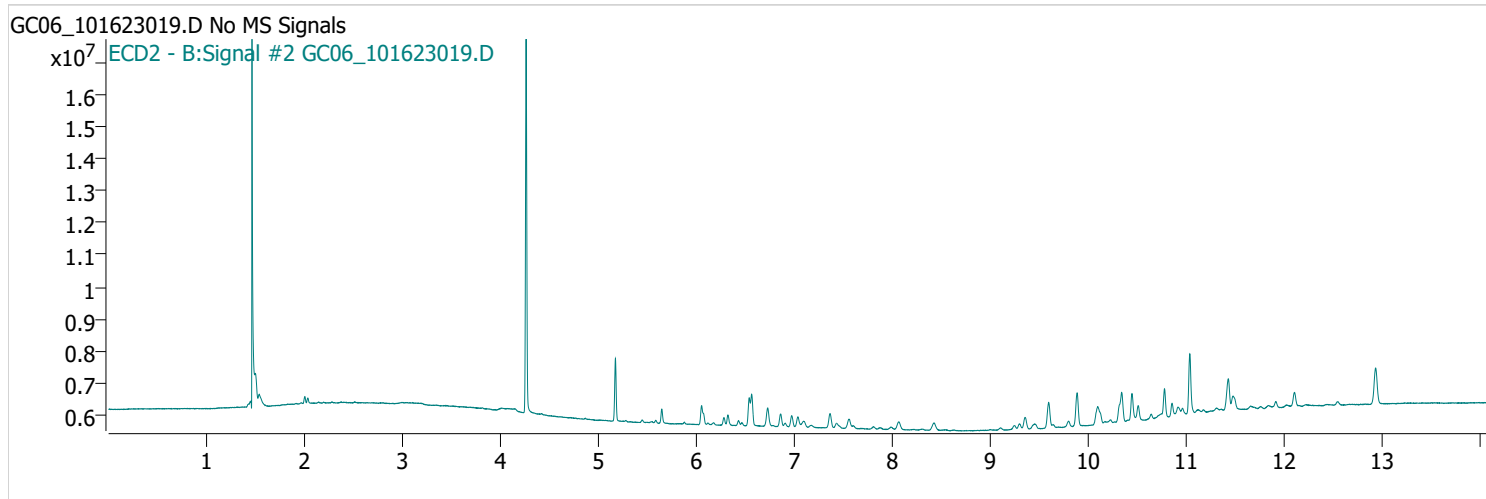
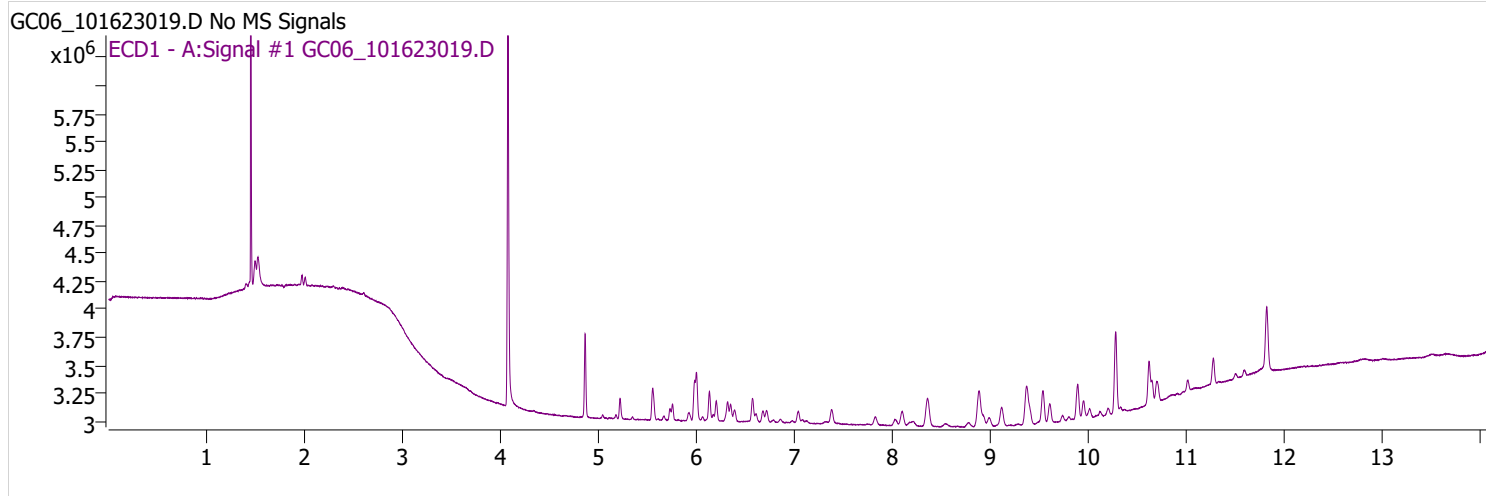


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

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



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3667875.44 5	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10693235.5 98	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.865	0.0	813372.618	4.4570	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.29%		*
S TCMX (PCB) #2	5.174	0.0	2085121.45 3	4.1482	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.74%		*
S Decachlorobiphenyl (PCB)	11.823	0.0	1108261.85 0	4.7366	ng/ml	m 0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.68%		*
S Decachlorobiphenyl (PCB) #2	12.935	0.0	2535121.36 7	4.1301	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.65%		*
Target Compounds						QValue
T AR1016 1	5.222	0.0	236237.230	59.3420	ng/ml	100
GC06_101623019.D						

Page 1 of 8

Generated at 6:18 PM on 10/16/2023

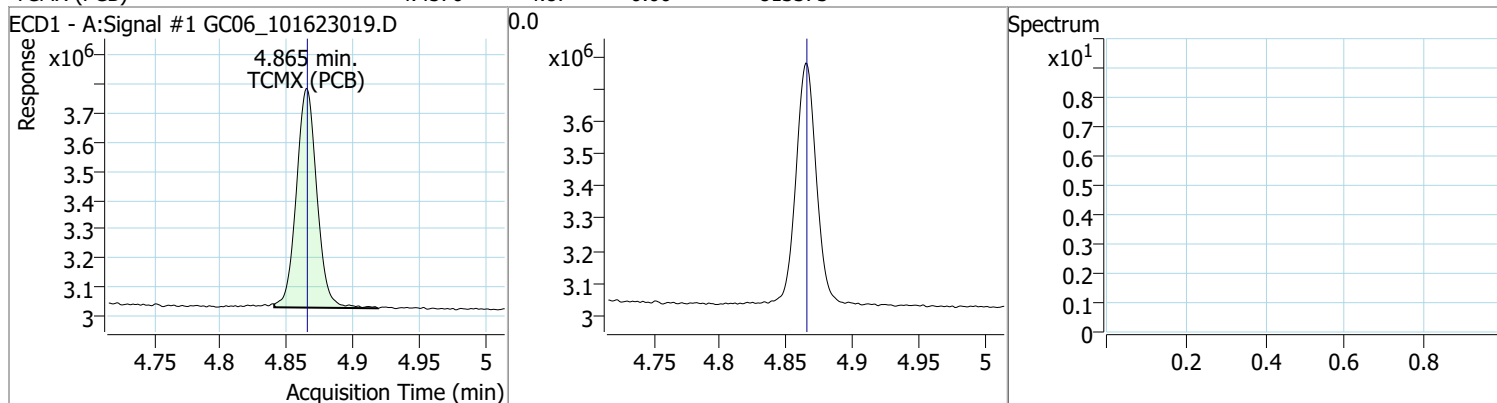
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.556	0.0	465093.527	58.2083	ng/ml	100
T AR1016 1 #2	5.648	0.0	547231.083	55.3433	ng/ml	100
T AR1016 3	6.002	0.0	647648.301	63.4098	ng/ml	m 100
T AR1016 2 #2	6.054	0.0	1151744.91 1	55.8143	ng/ml	100
T AR1016 4	6.134	0.0	374889.126	58.5801	ng/ml	100
T AR1016 3 #2	6.565	0.0	1542036.70 6	56.1582	ng/ml	100
T AR1016 5	6.574	0.0	344805.829	59.8741	ng/ml	100
T AR1016 4 #2	6.729	0.0	1051965.55 2	57.0285	ng/ml	m 100
T AR1016 5 #2	7.366	0.0	846766.924	55.5644	ng/ml	100
T AR1260 1	8.360	0.0	658177.869	59.3519	ng/ml	100
T AR1260 2	8.887	0.0	1005079.45 8	58.1647	ng/ml	100
T AR1260 3	9.373	0.0	1032552.18 8	56.9054	ng/ml	100
T AR1260 1 #2	9.598	0.0	1567691.95 3	55.3751	ng/ml	100
T AR1260 2 #2	9.888	0.0	1906704.35 0	55.8225	ng/ml	100
T AR1260 4	9.893	0.0	574864.515	60.2702	ng/ml	100
T AR1260 3 #2	10.342	0.0	2264443.22 8	52.0070	ng/ml	m 100
T AR1260 5	10.622	0.0	691839.247	56.8430	ng/ml	100
T AR1260 4 #2	10.779	0.0	1348044.77 9	50.9251	ng/ml	100
T AR1260 5 #2	11.431	0.0	1988857.58 4	50.6946	ng/ml	100

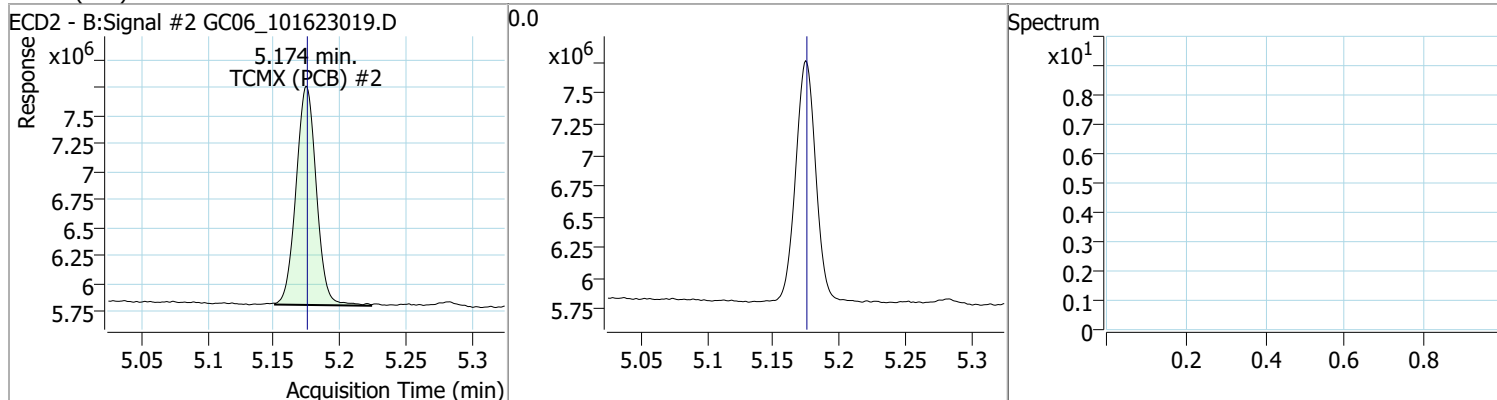
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

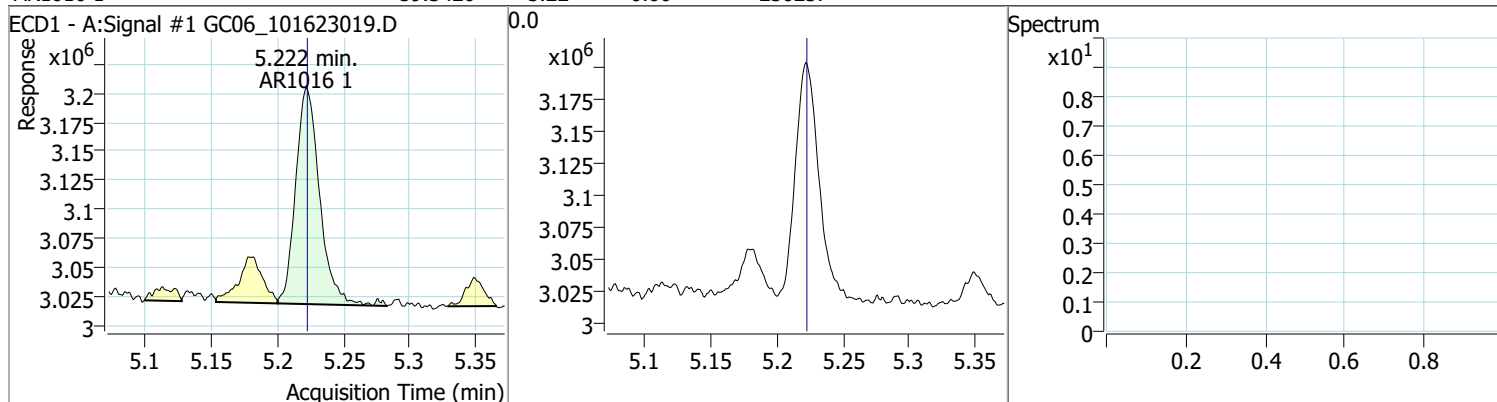
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.4570	4.87	0.00	813373				



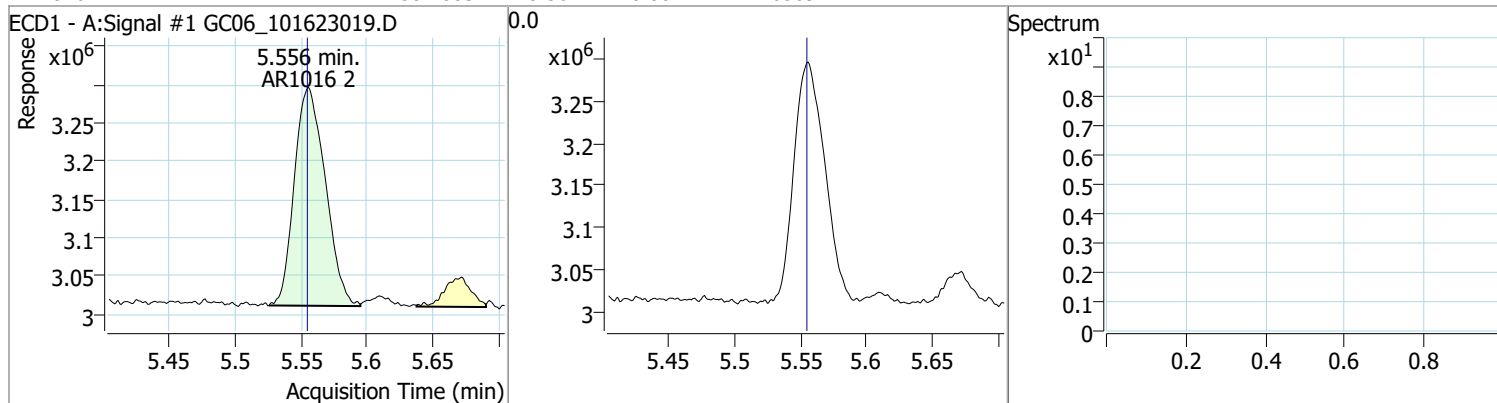
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1482	5.17	0.00	2085121				



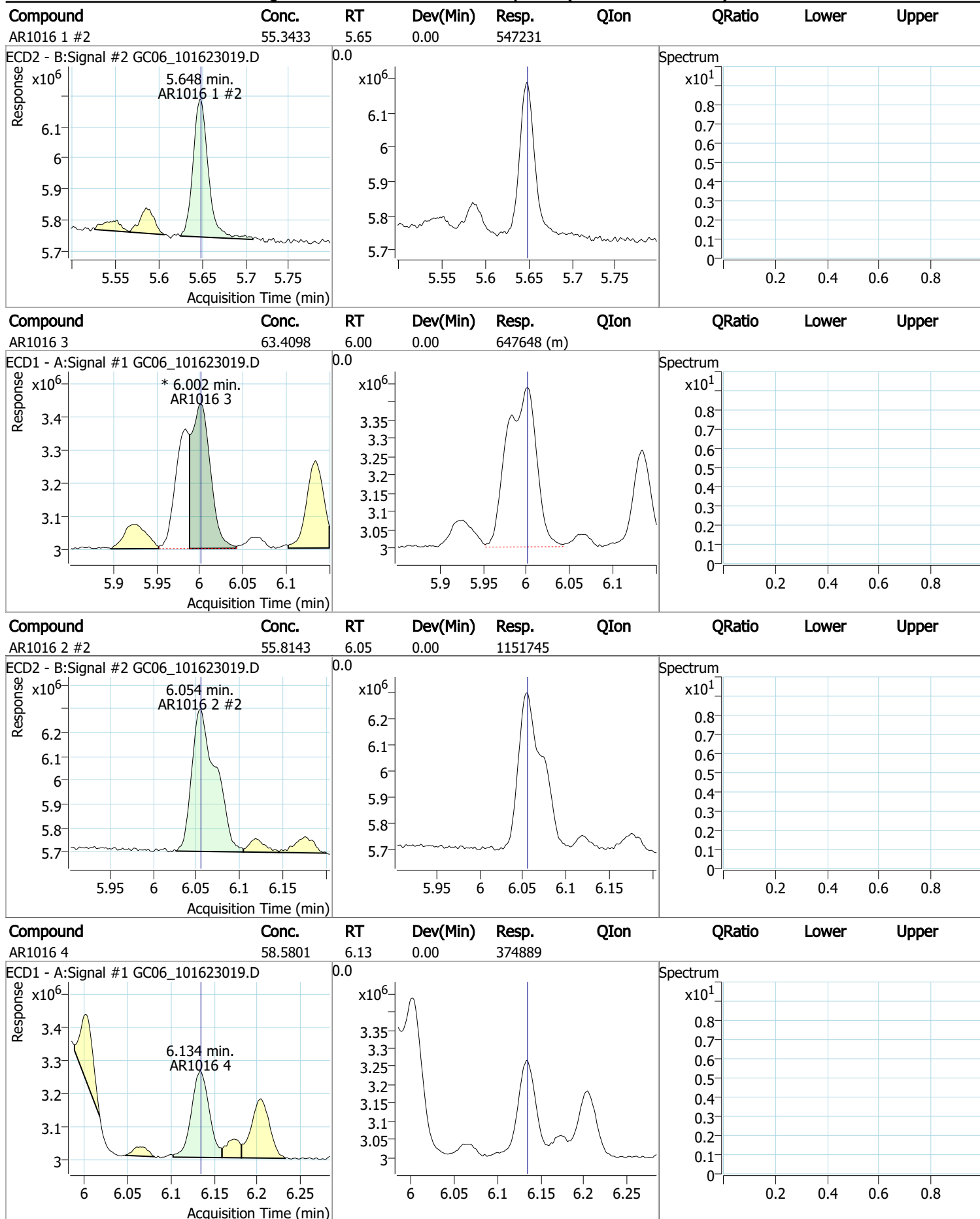
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	59.3420	5.22	0.00	236237				



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

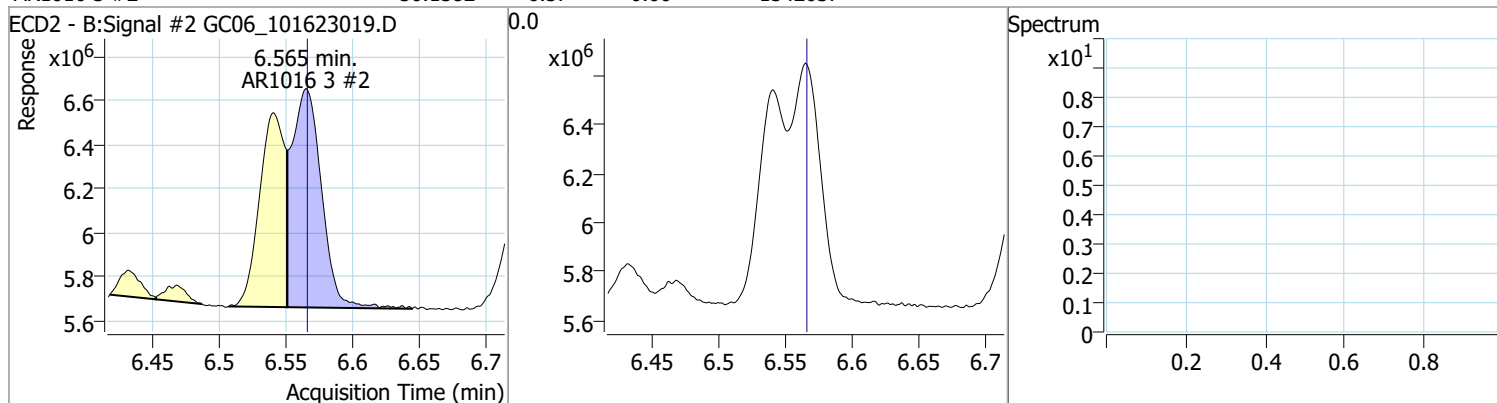


Quantitation Results Report (Not Reviewed)

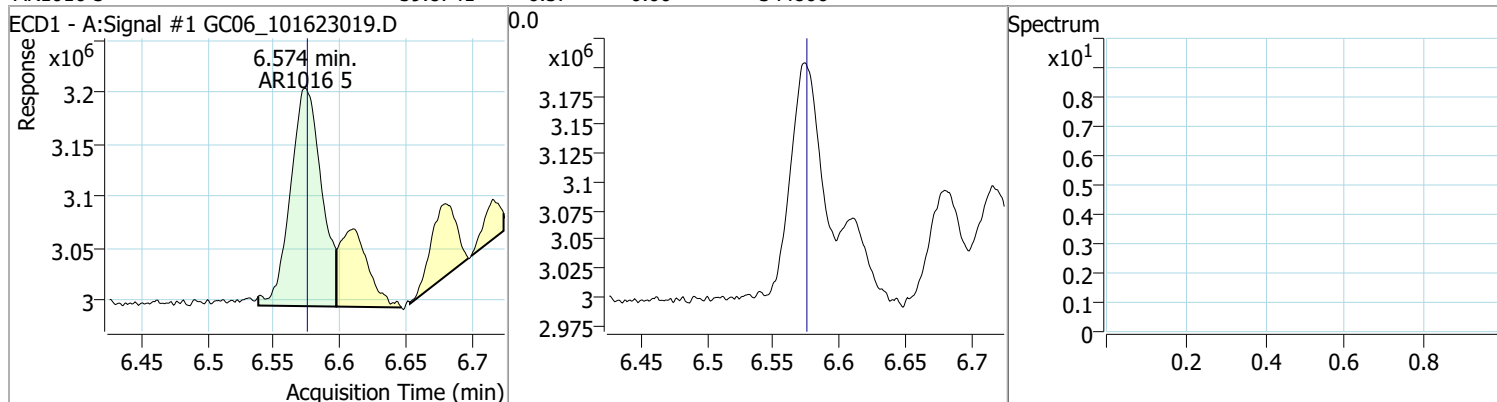


Quantitation Results Report (Not Reviewed)

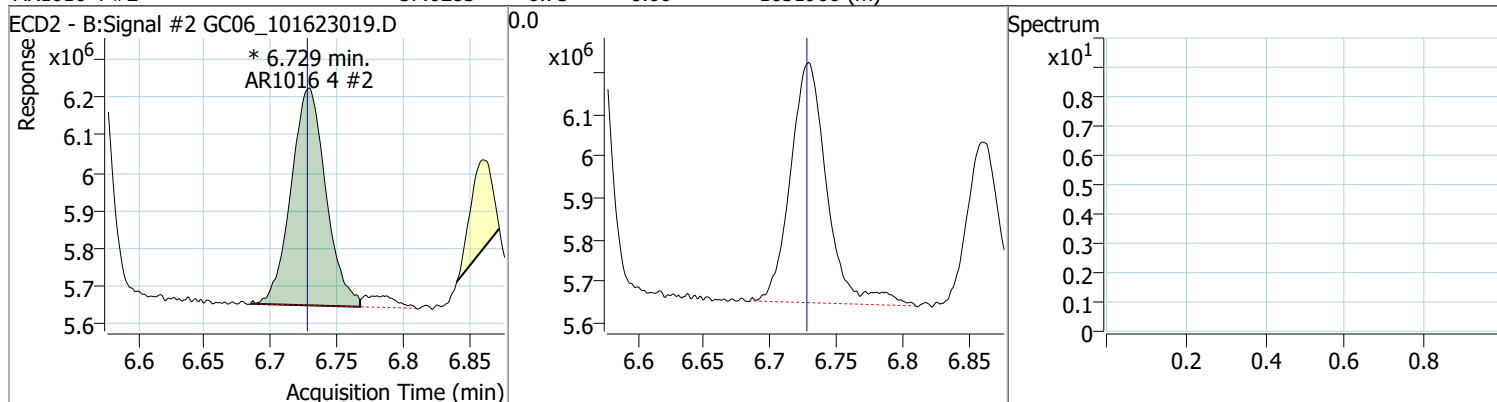
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	56.1582	6.57	0.00	1542037				



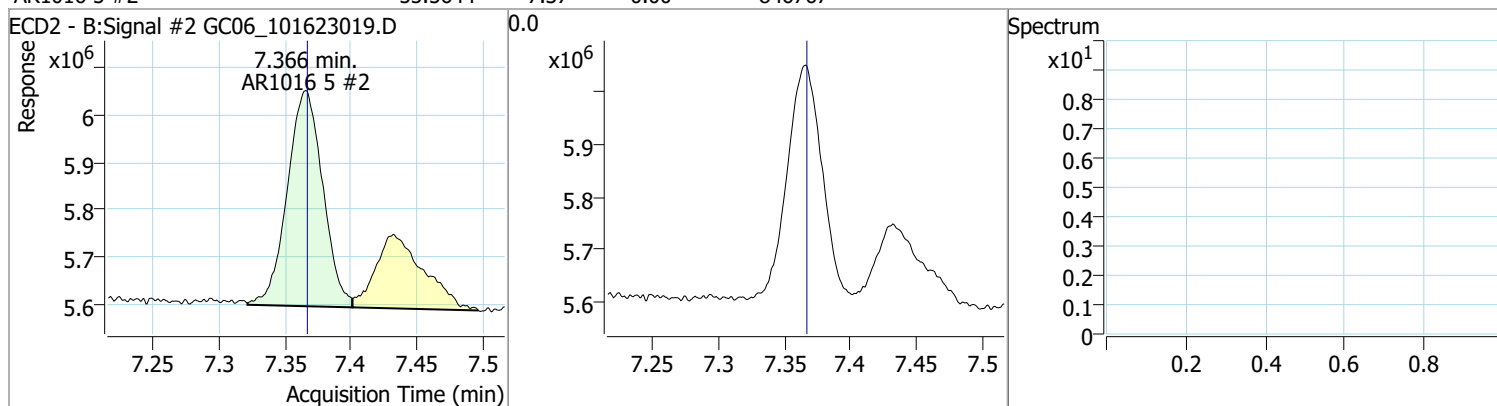
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	59.8741	6.57	0.00	344806				



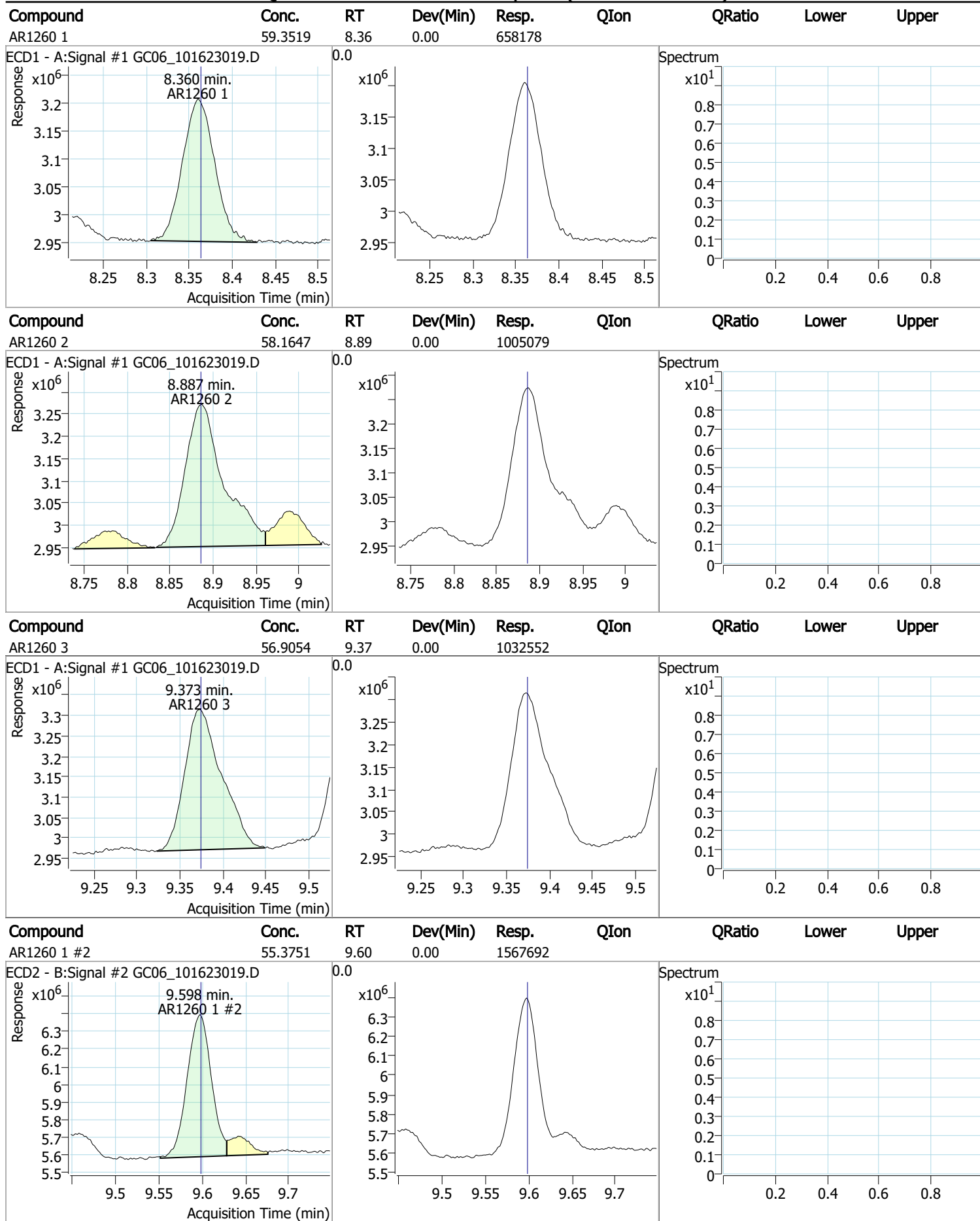
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	57.0285	6.73	0.00	1051966 (m)				



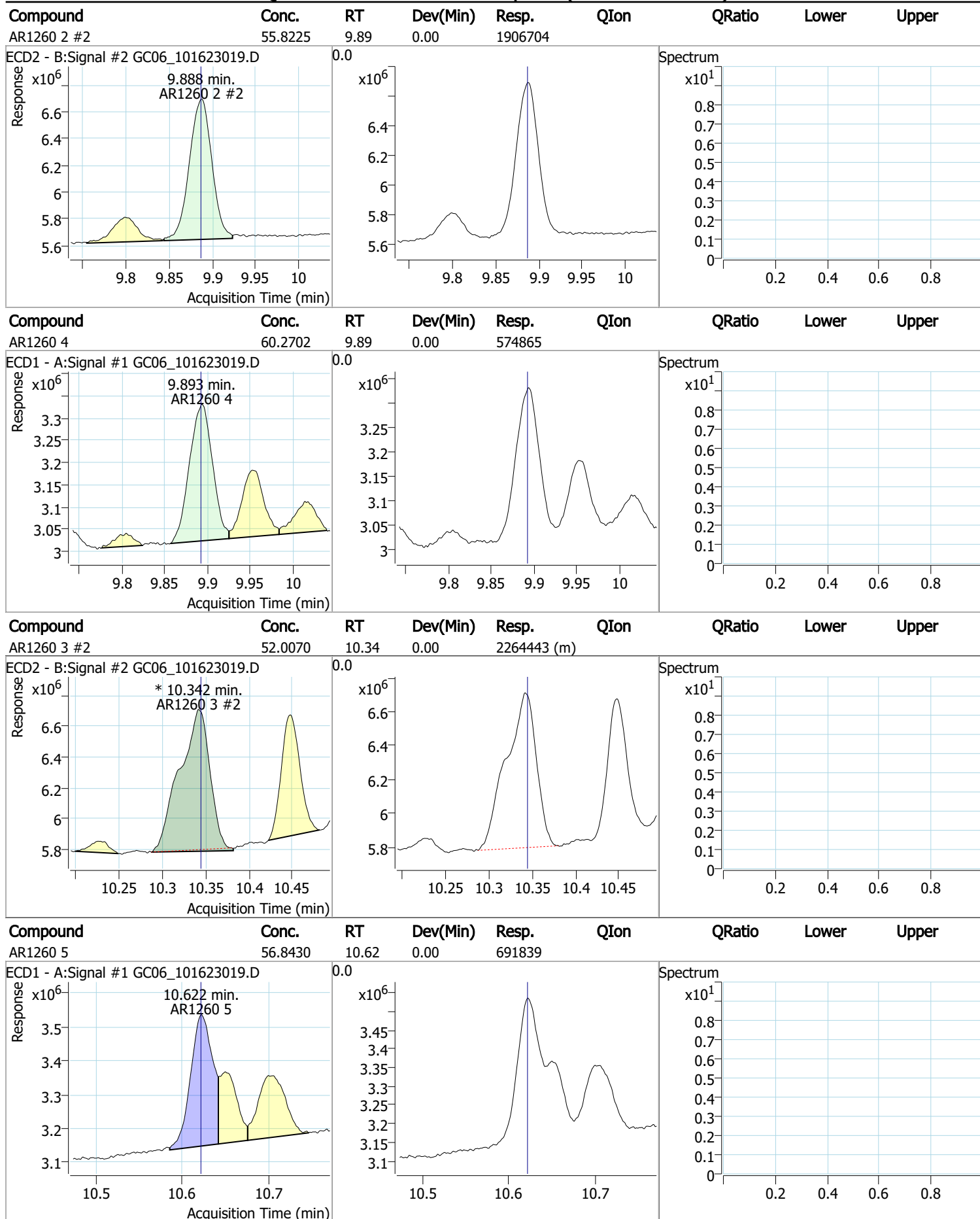
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	55.5644	7.37	0.00	846767				



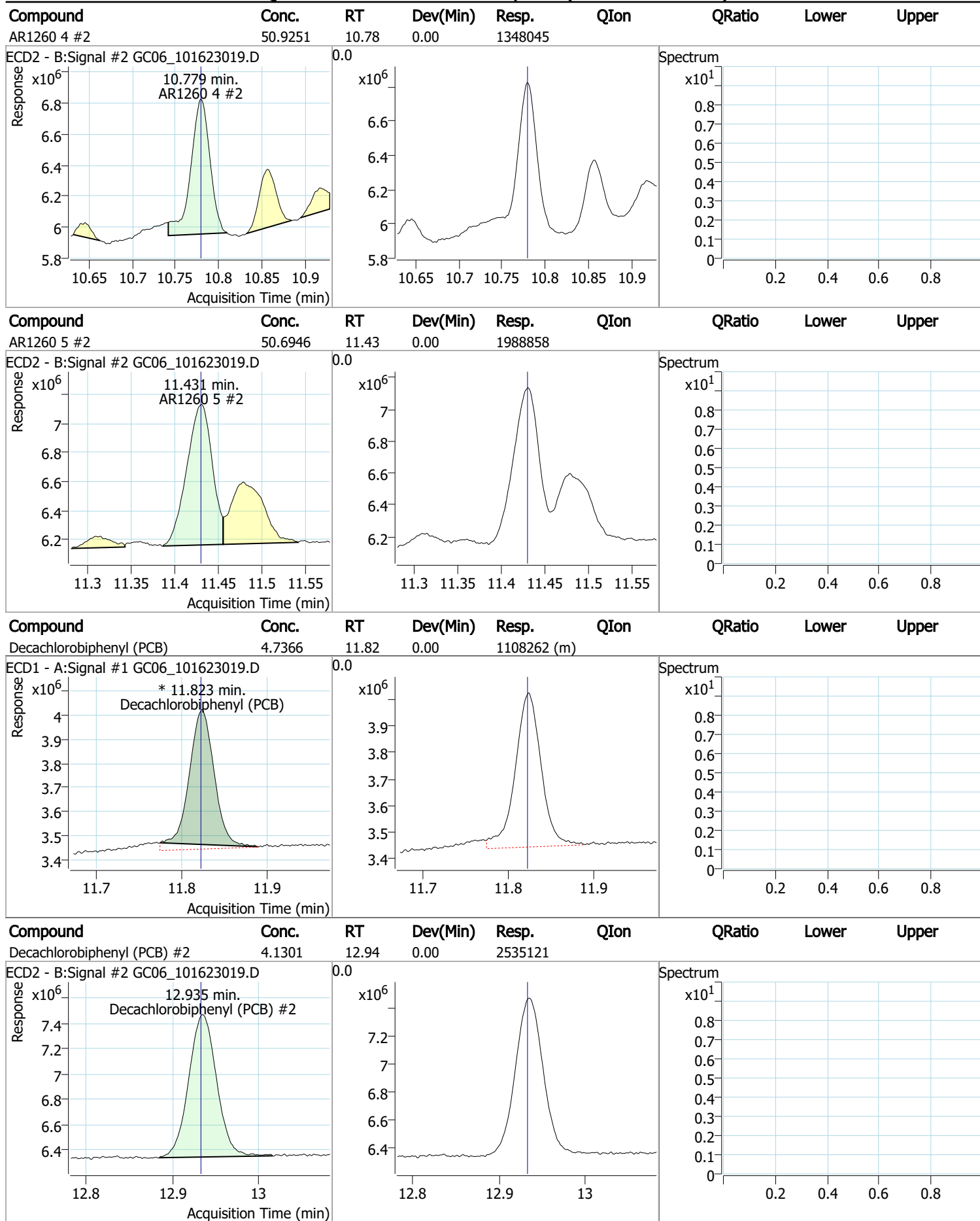
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

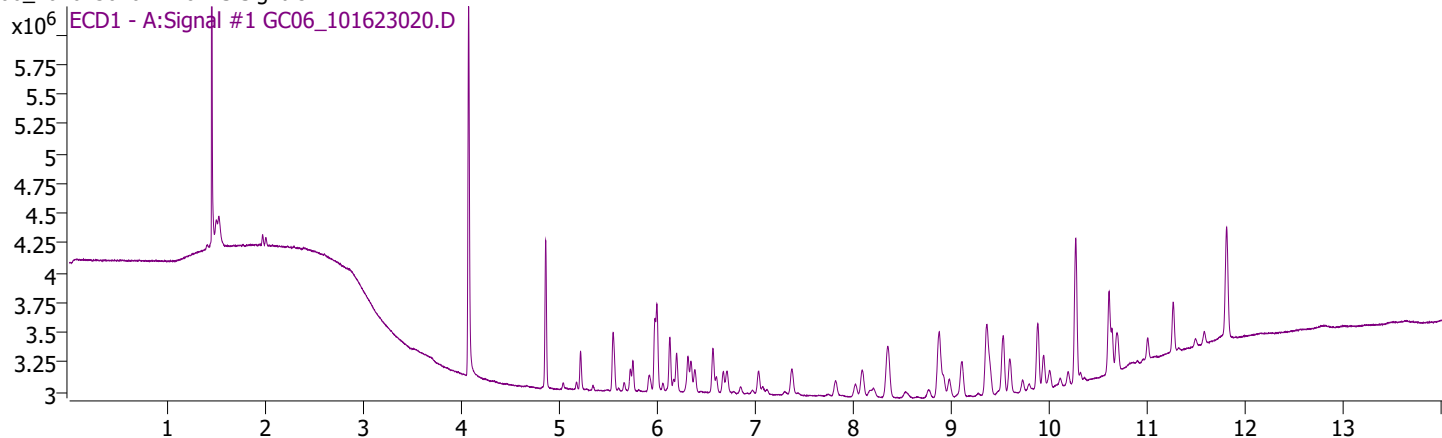


Quantitation Results Report (Not Reviewed)

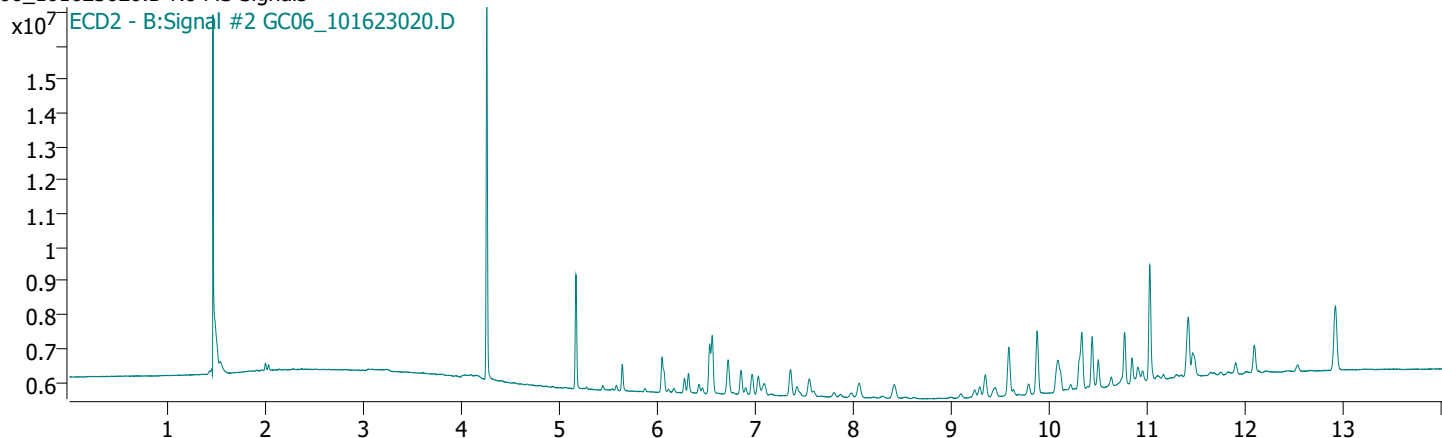
Data File GC06_101623020.D
 Acq. Method Acq_Pesticide_122221_2
 Sample Name ICAL, S18457
 Vial 13
 DA Method File PCB_608_101623_GC06_1.m
 Tune File ATUNE.U
 Batch Name 101623PCBICAL.batch.bin
 Ref Library

Operator
 Acq. Date-Time 10/16/2023 3:01:30 PM
 Instrument SVOA-GC06
 Multiplier 1.00
 Comment 100 PPB PCB ICAL
 Tune Date
 Last Calib Update 10/16/2023 6:17:28 PM

GC06_101623020.D No MS Signals



GC06_101623020.D No MS Signals



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

Target Compounds

QValue

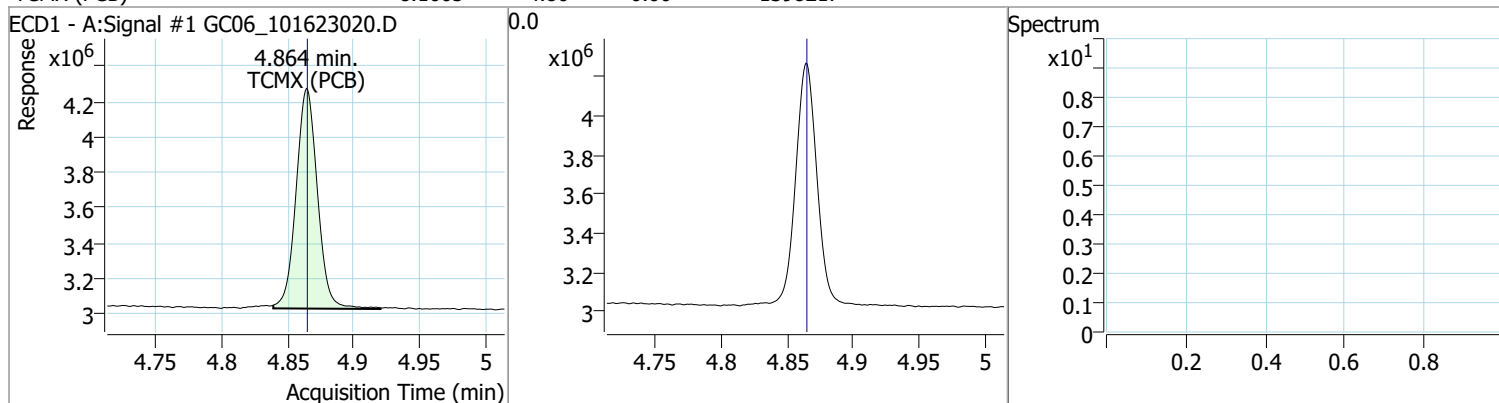
Quantitation Results Report (Not Reviewed)

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

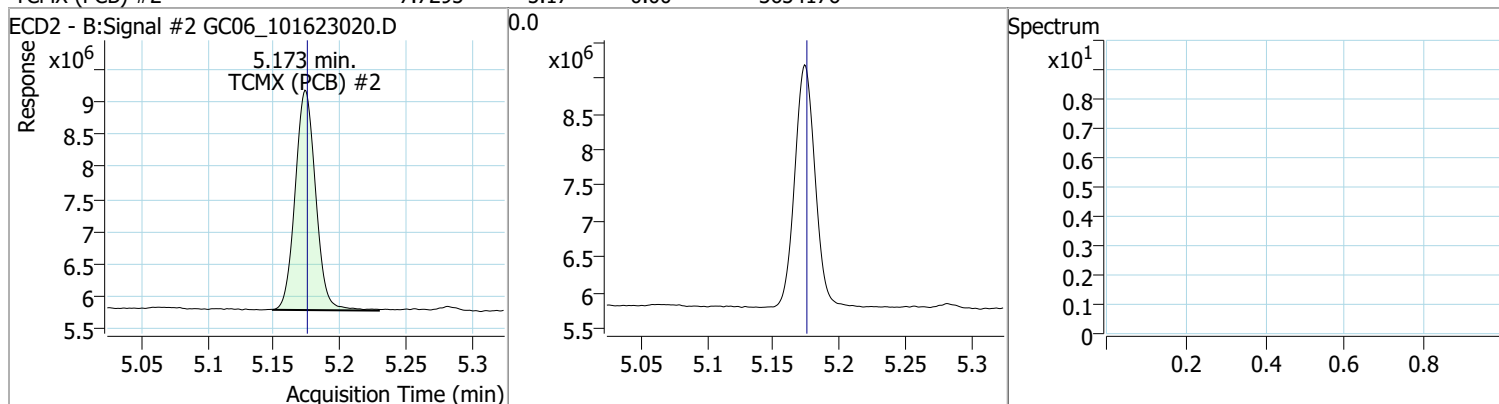
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

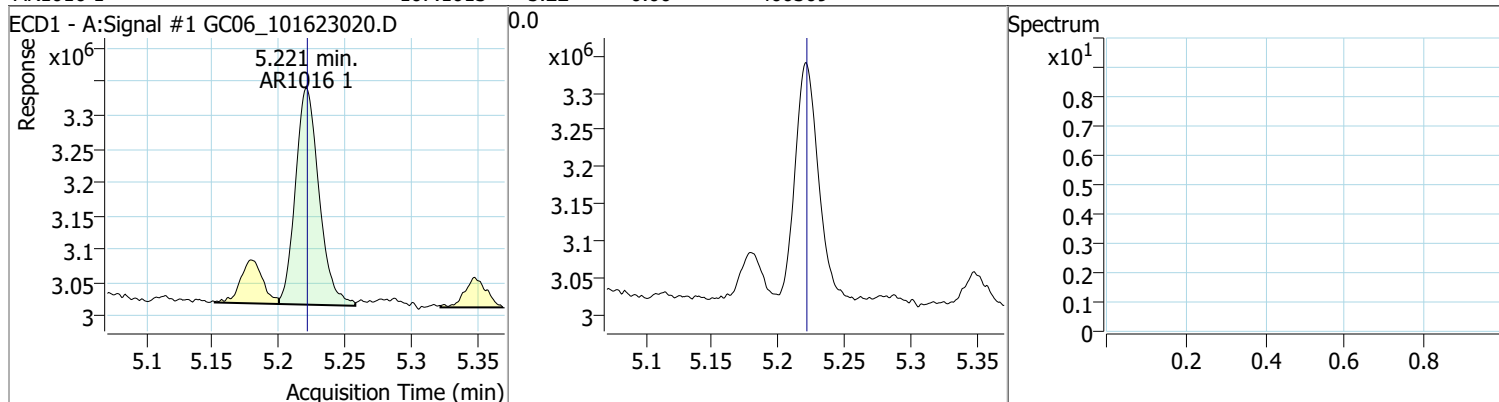
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.1605	4.86	0.00	1398217				



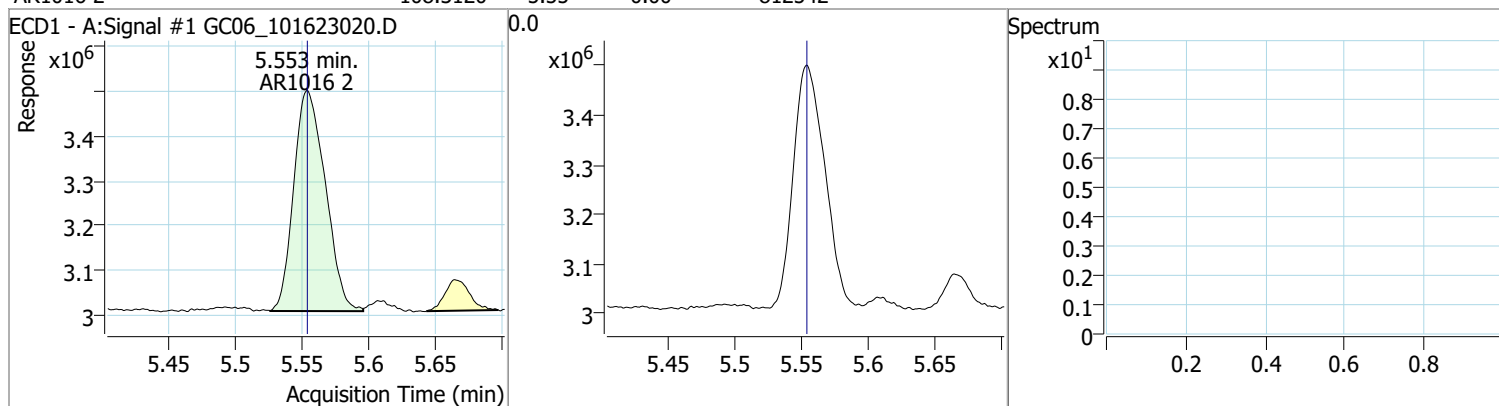
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	7.7295	5.17	0.00	3654176				



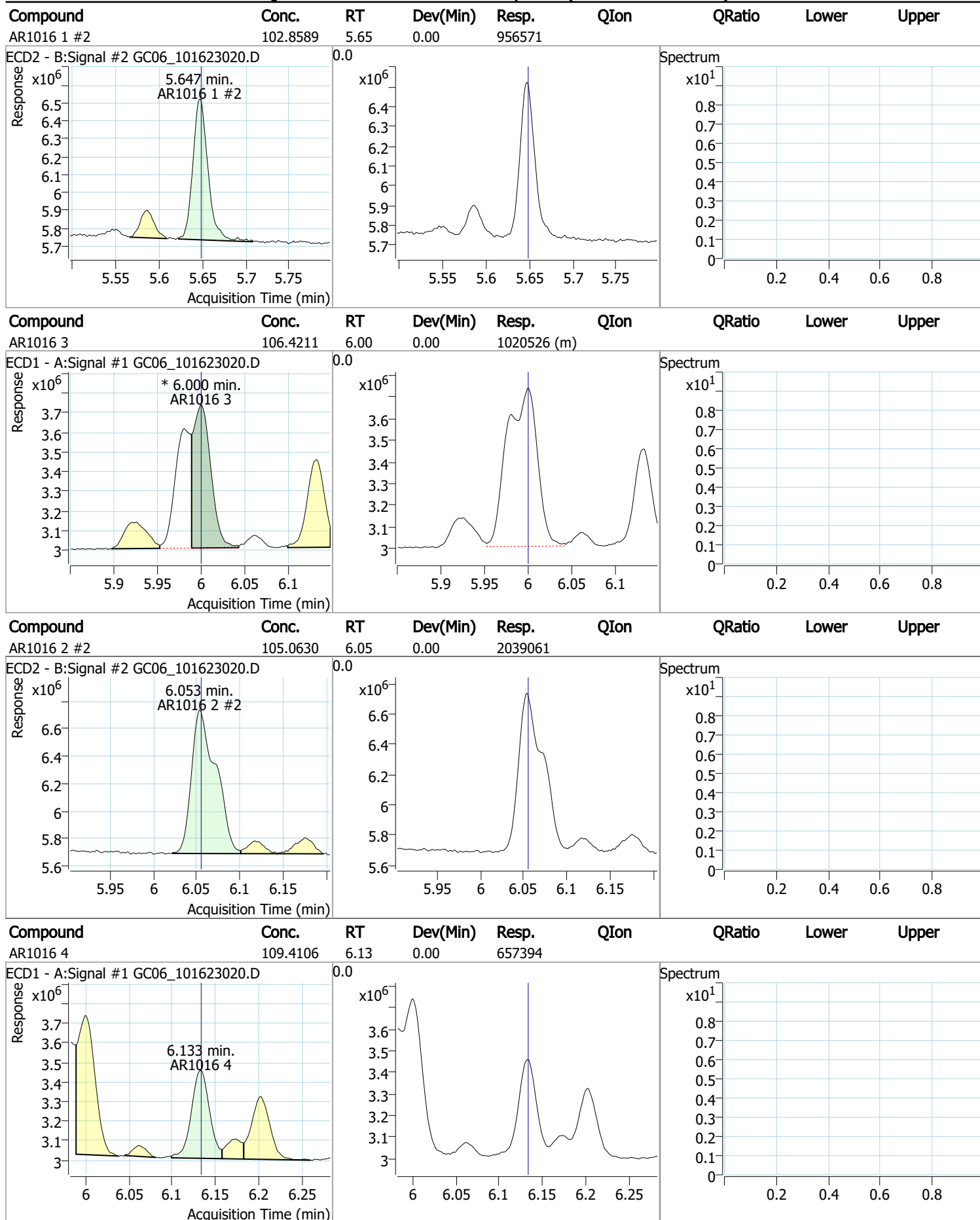
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	107.1013	5.22	0.00	400309				



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

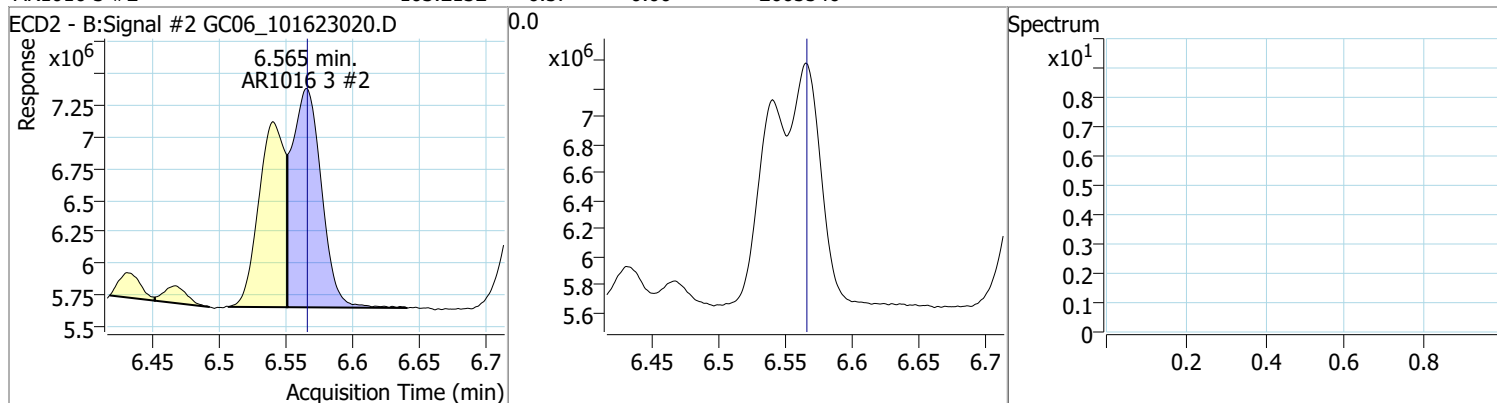


Quantitation Results Report (Not Reviewed)

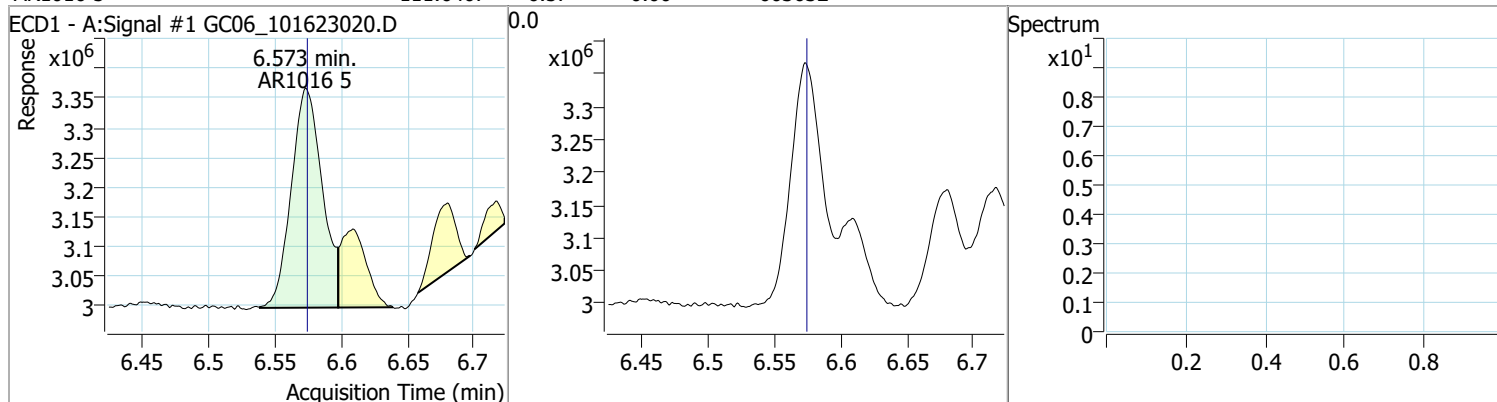


Quantitation Results Report (Not Reviewed)

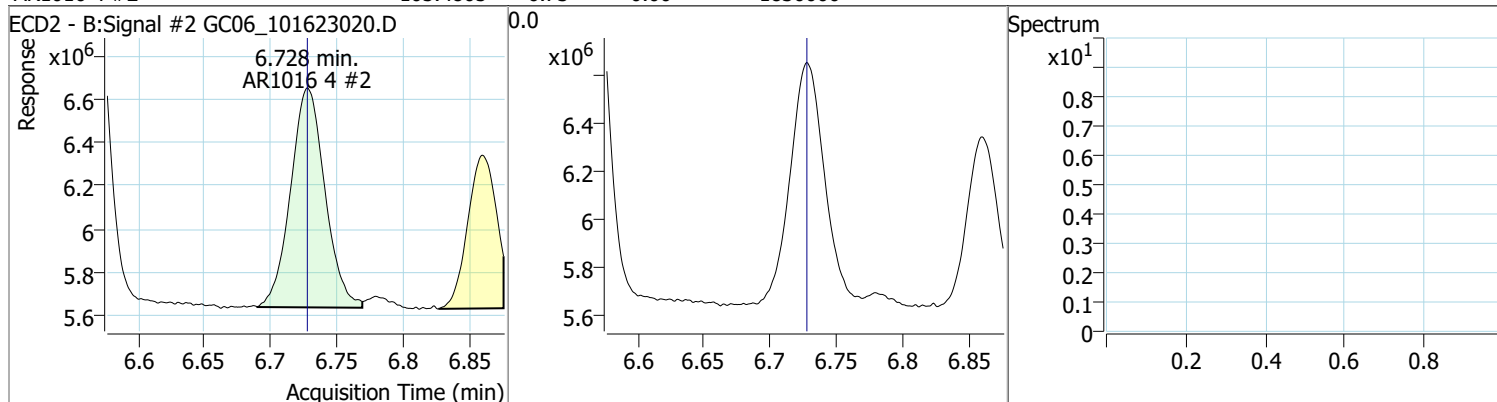
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	103.2132	6.57	0.00	2665546				



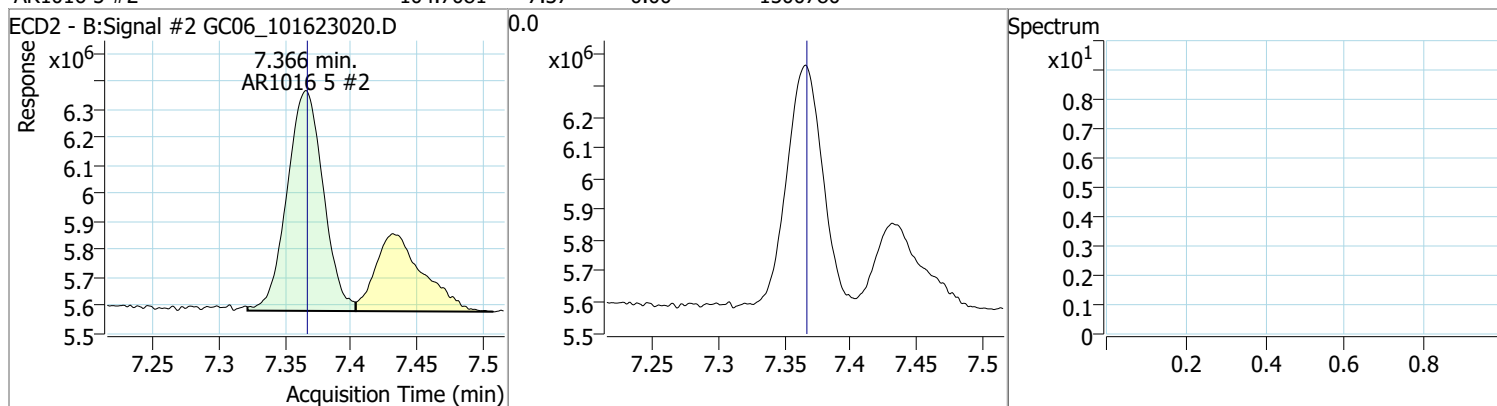
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	111.6407	6.57	0.00	603632				



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

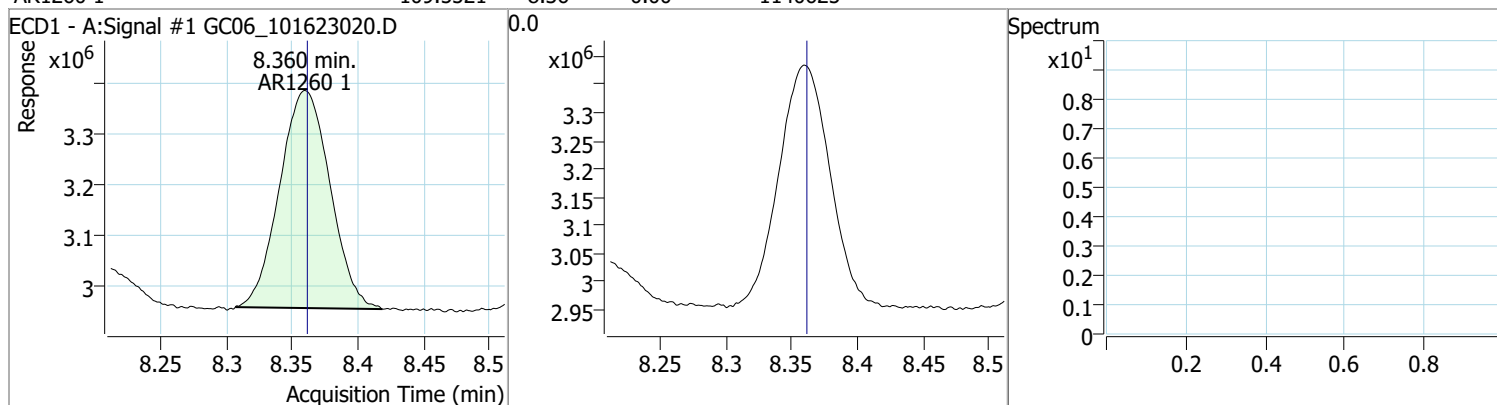


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	104.7081	7.37	0.00	1500780				

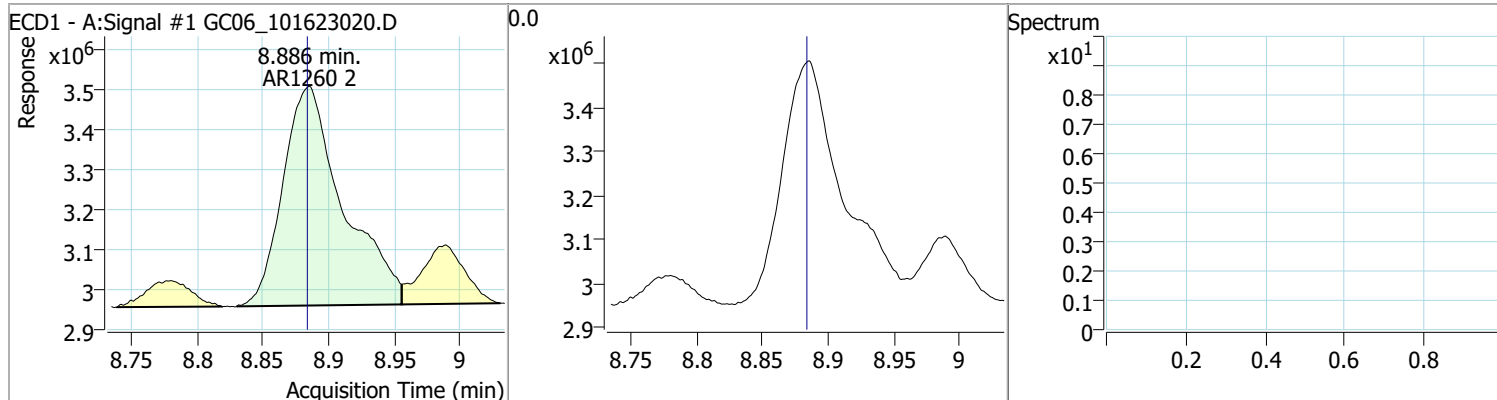


Quantitation Results Report (Not Reviewed)

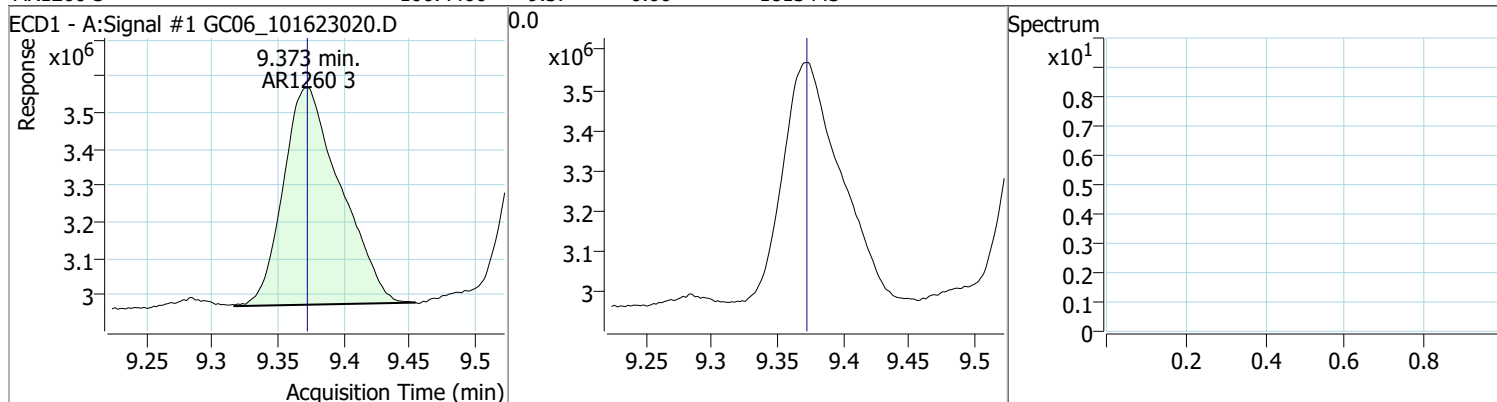
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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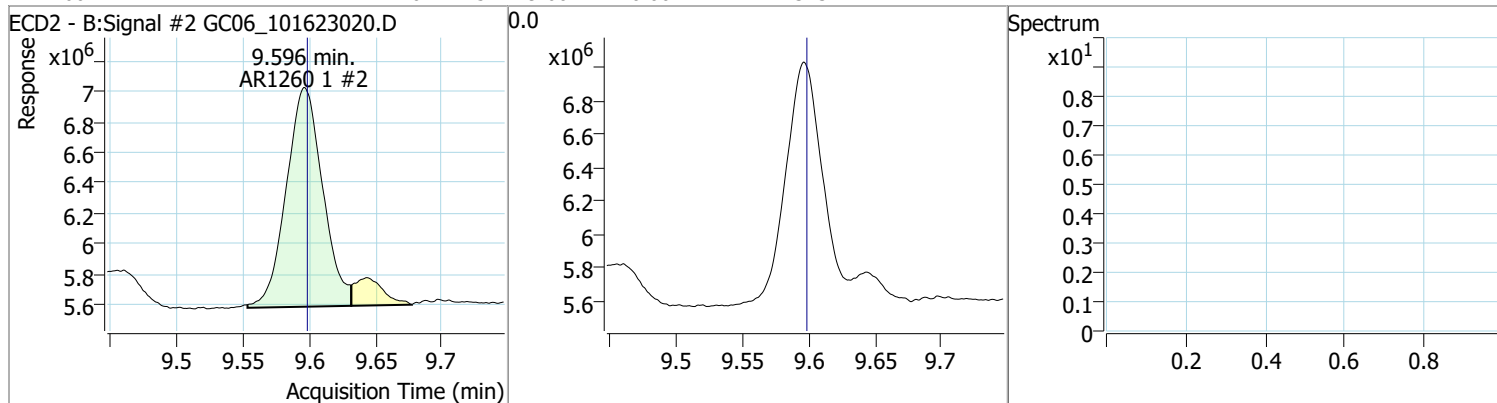
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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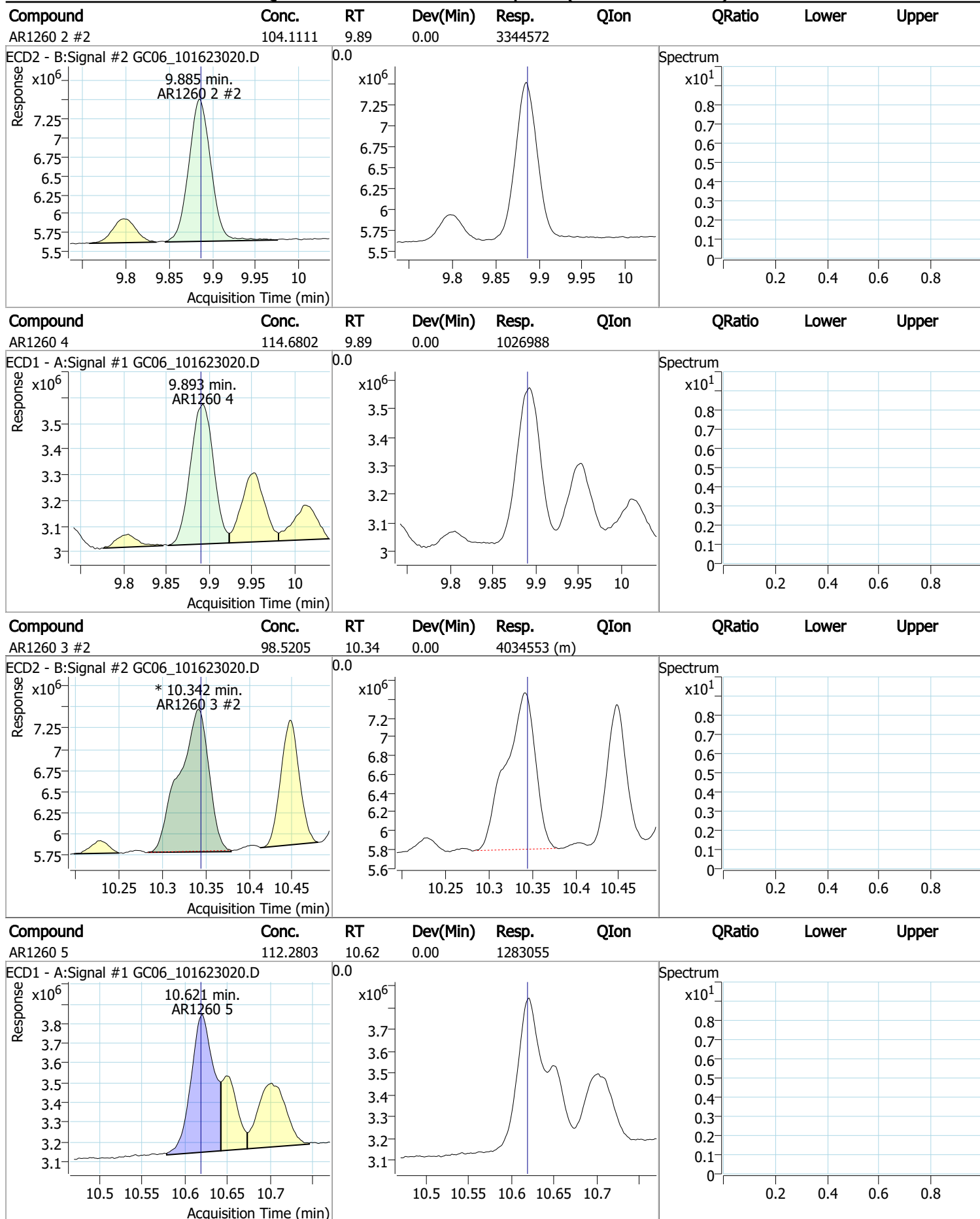
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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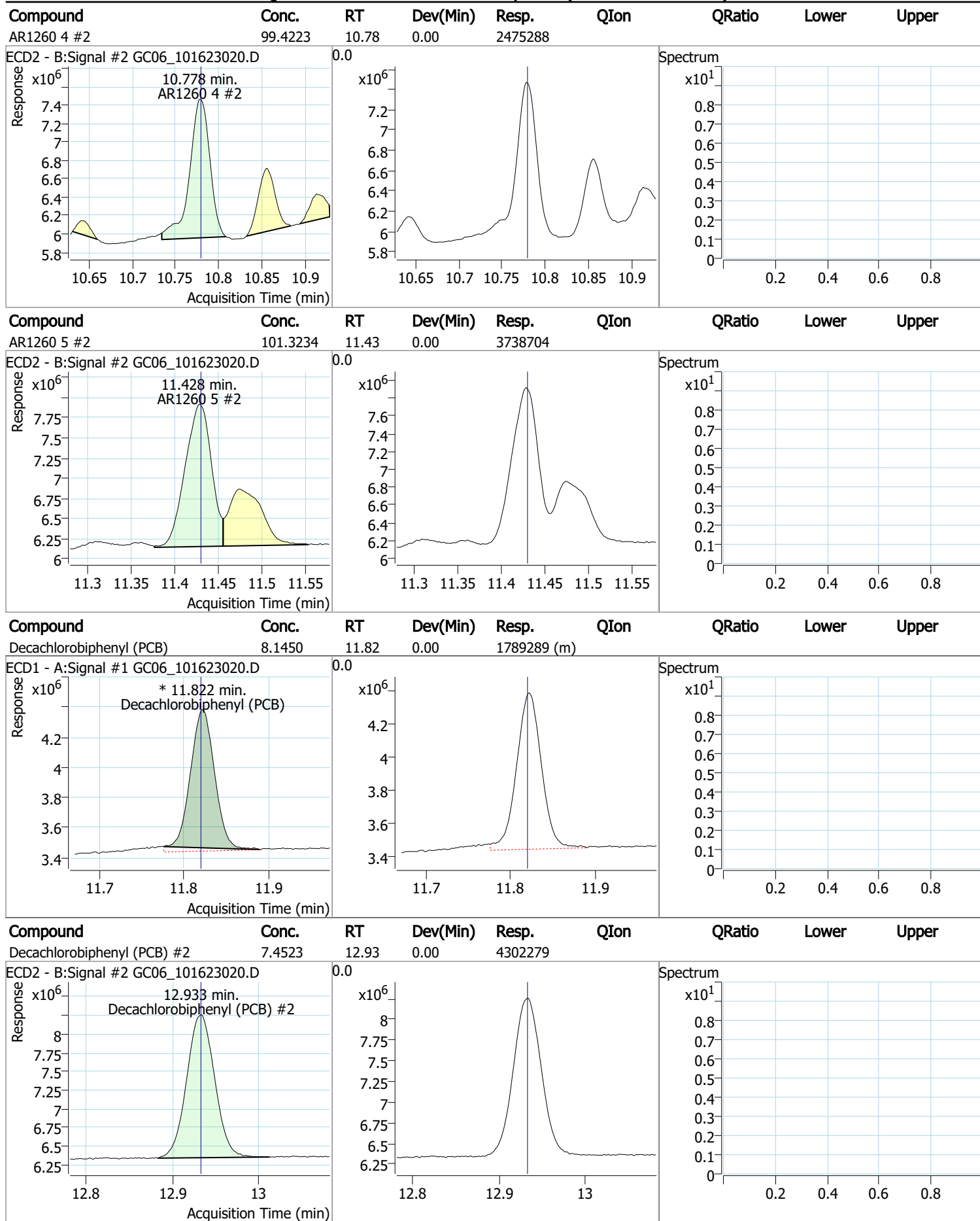
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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Quantitation Results Report (Not Reviewed)

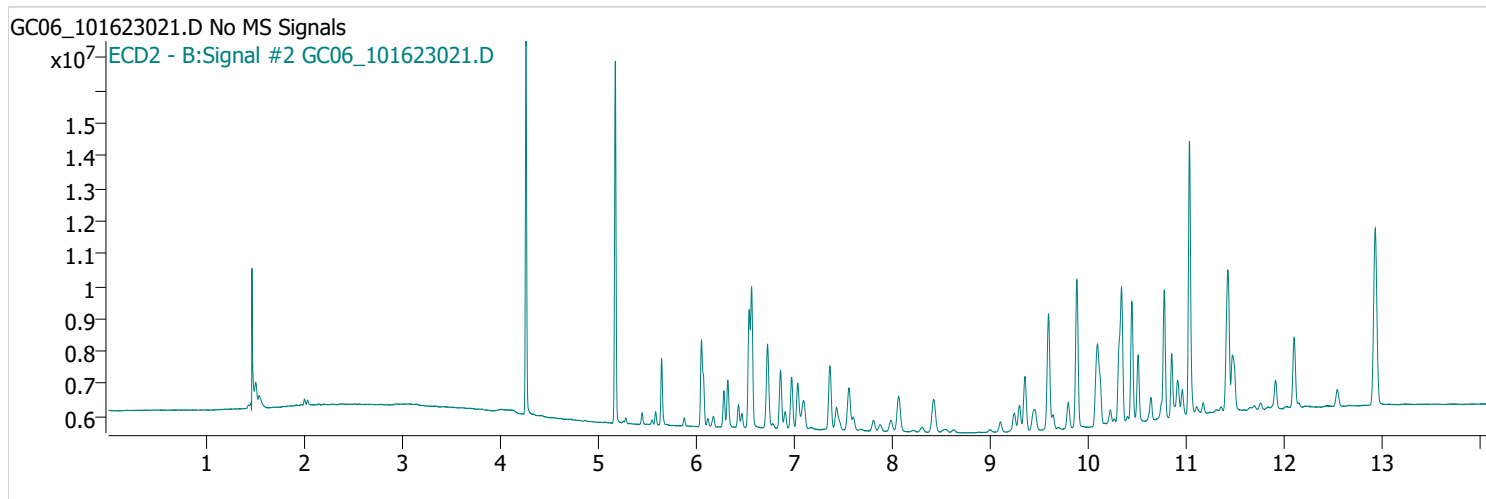
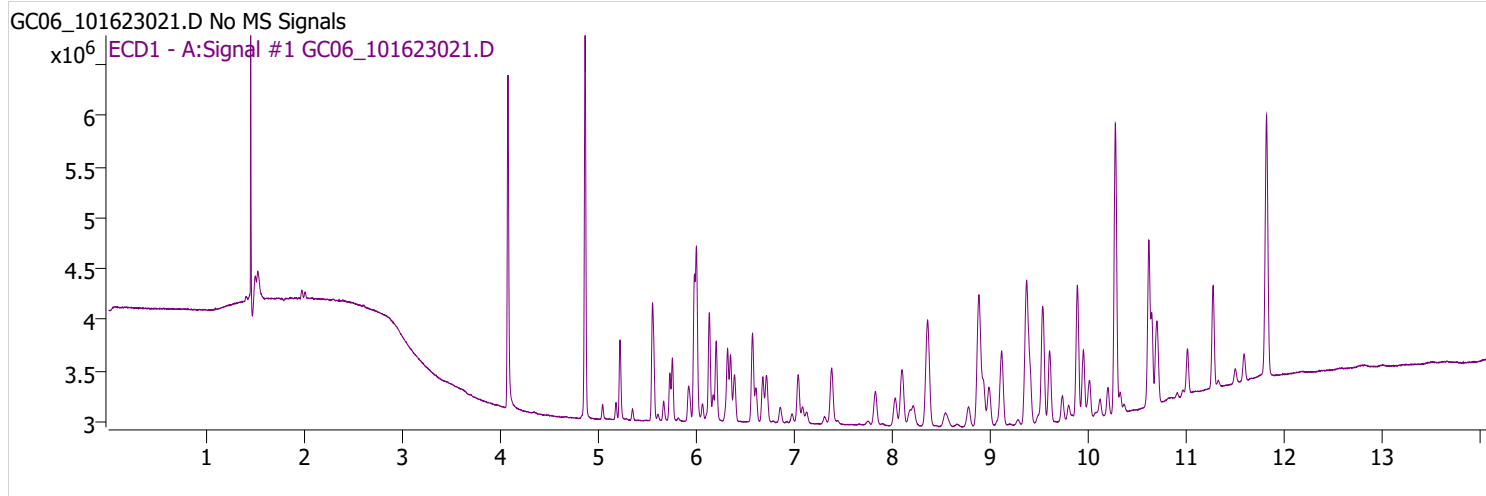


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

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



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3610729.79 6	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10490477.7 92	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.866	0.0	4147291.09 2	23.0855	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.43%		
S TCMX (PCB) #2	5.174	0.0	11599897.4 56	23.5234	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 117.62%		
S Decachlorobiphenyl (PCB)	11.823	0.0	5065639.78 5	21.9927	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 109.96%		
S Decachlorobiphenyl (PCB) #2	12.933	0.0	12584063.3 08	20.8975	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.49%		

Target Compounds

QValue

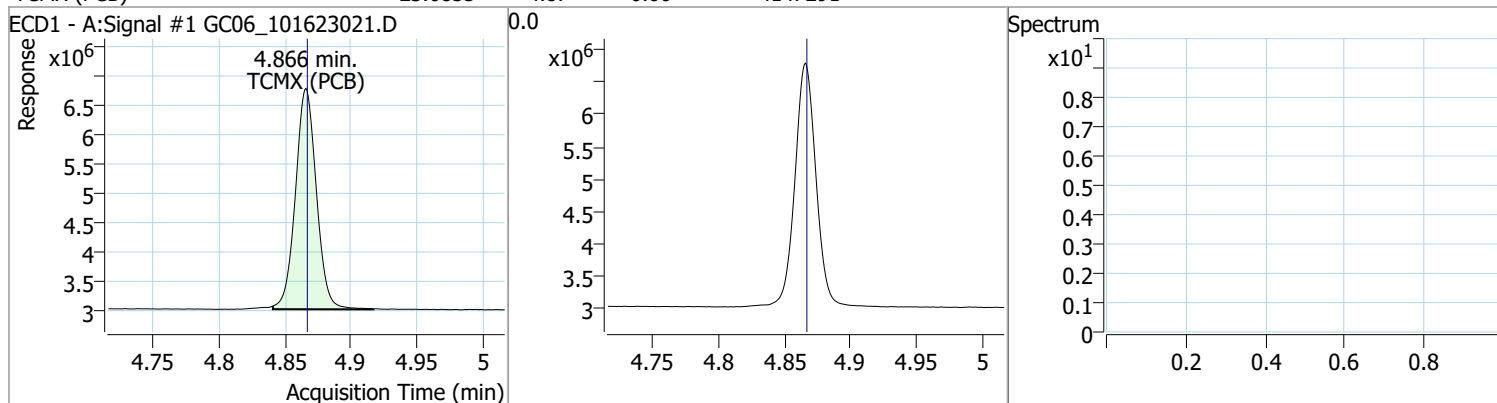
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.223	0.0	1018903.80 7	259.9958	ng/ml	100
T AR1016 2	5.555	0.0	1945375.52 7	247.3247	ng/ml	100
T AR1016 1 #2	5.648	0.0	2439490.23 6	251.4824	ng/ml	100
T AR1016 3	6.002	0.0	2523883.99 8	251.0189	ng/ml m	100
T AR1016 2 #2	6.054	0.0	5166704.63 3	255.2213	ng/ml	100
T AR1016 4	6.134	0.0	1568907.78 6	249.0374	ng/ml	100
T AR1016 3 #2	6.566	0.0	6528718.18 3	242.3598	ng/ml	100
T AR1016 5	6.575	0.0	1439526.77 0	253.9240	ng/ml	100
T AR1016 4 #2	6.728	0.0	4686533.20 0	258.9741	ng/ml	100
T AR1016 5 #2	7.365	0.0	3722885.13 7	249.0155	ng/ml	100
T AR1260 1	8.363	0.0	2832476.09 2	259.4642	ng/ml	100
T AR1260 2	8.887	0.0	4232067.11 2	248.7892	ng/ml	100
T AR1260 3	9.374	0.0	4363451.69 4	244.2819	ng/ml	100
T AR1260 1 #2	9.598	0.0	6898073.65 8	248.3678	ng/ml	100
T AR1260 2 #2	9.887	0.0	8276721.29 8	247.0008	ng/ml	100
T AR1260 4	9.891	0.0	2493299.22 4	265.5405	ng/ml	100
T AR1260 3 #2	10.343	0.0	10272735.5 51	240.4920	ng/ml	100
T AR1260 5	10.622	0.0	2921215.31 7	243.8121	ng/ml	100
T AR1260 4 #2	10.779	0.0	6486959.03 2	249.7943	ng/ml	100
T AR1260 5 #2	11.428	0.0	9533291.05 1	247.6937	ng/ml	100

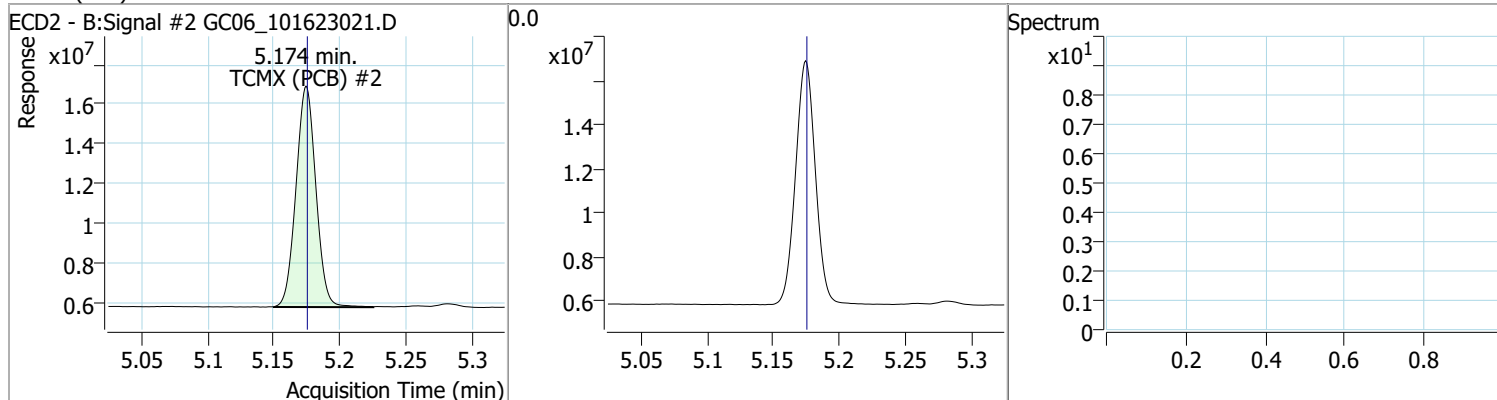
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

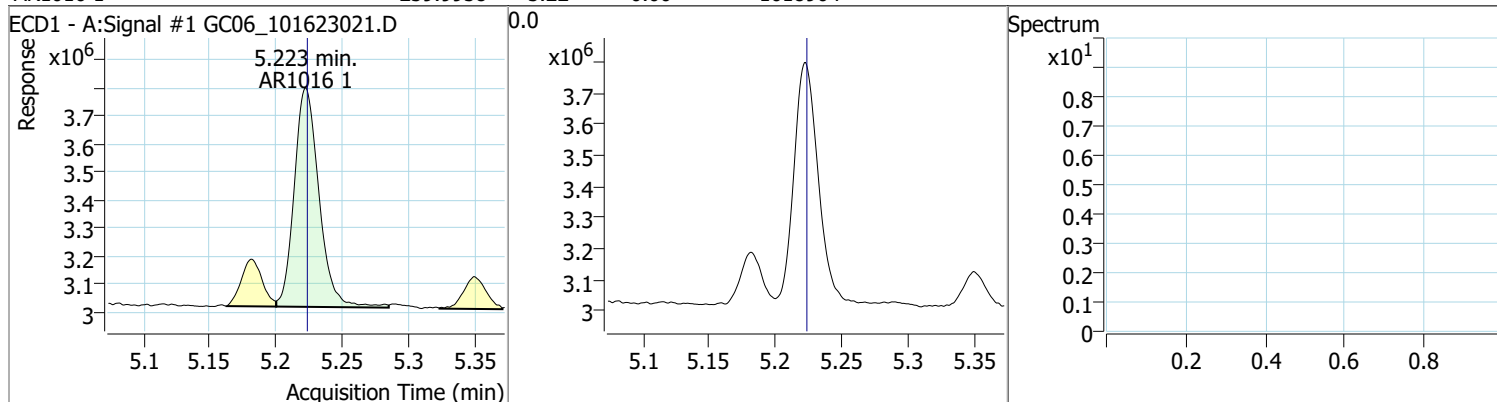
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	23.0855	4.87	0.00	4147291				



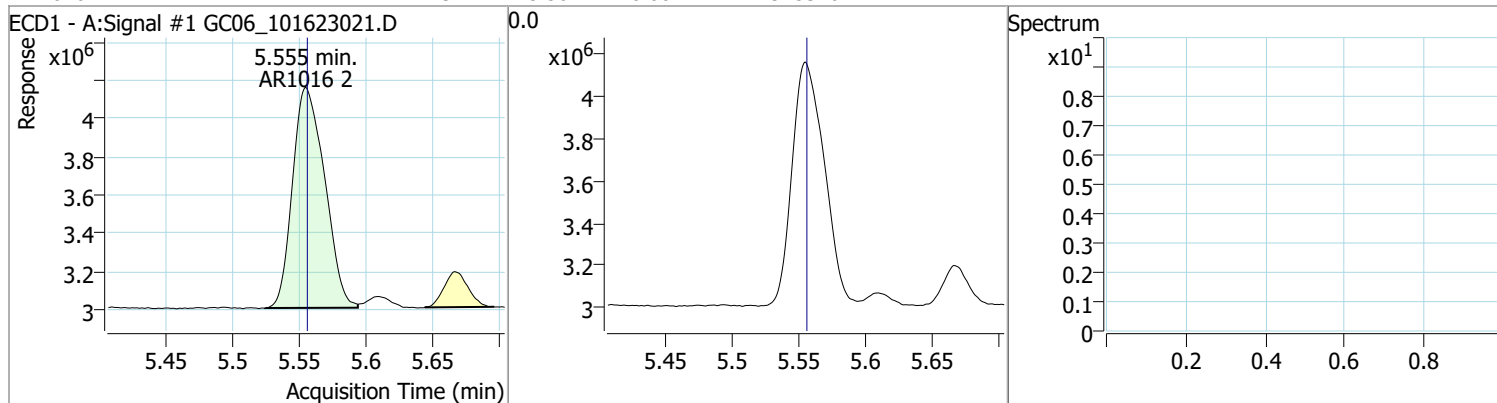
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	23.5234	5.17	0.00	11599897				



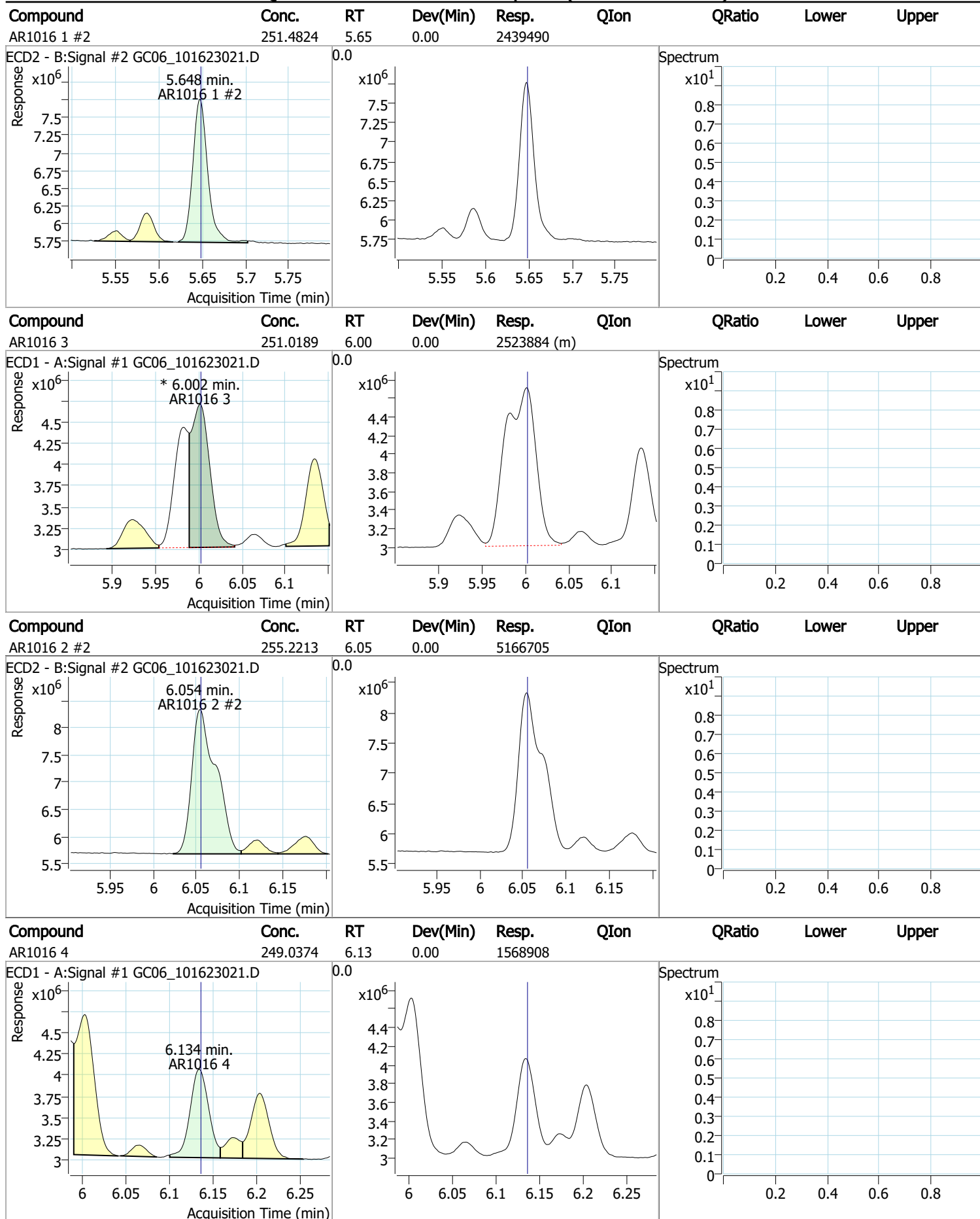
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	259.9958	5.22	0.00	1018904				



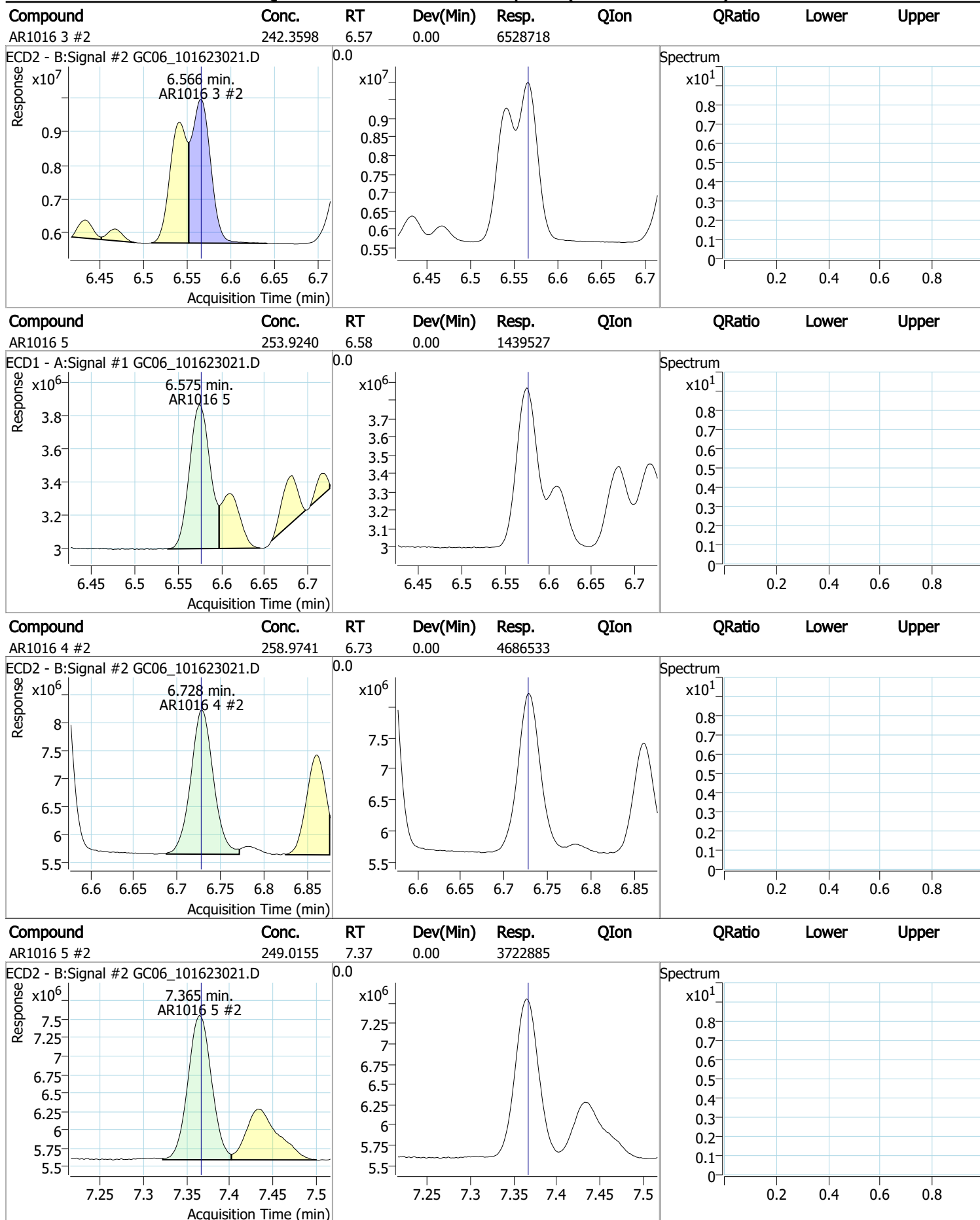
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	247.3247	5.56	0.00	1945376				



Quantitation Results Report (Not Reviewed)

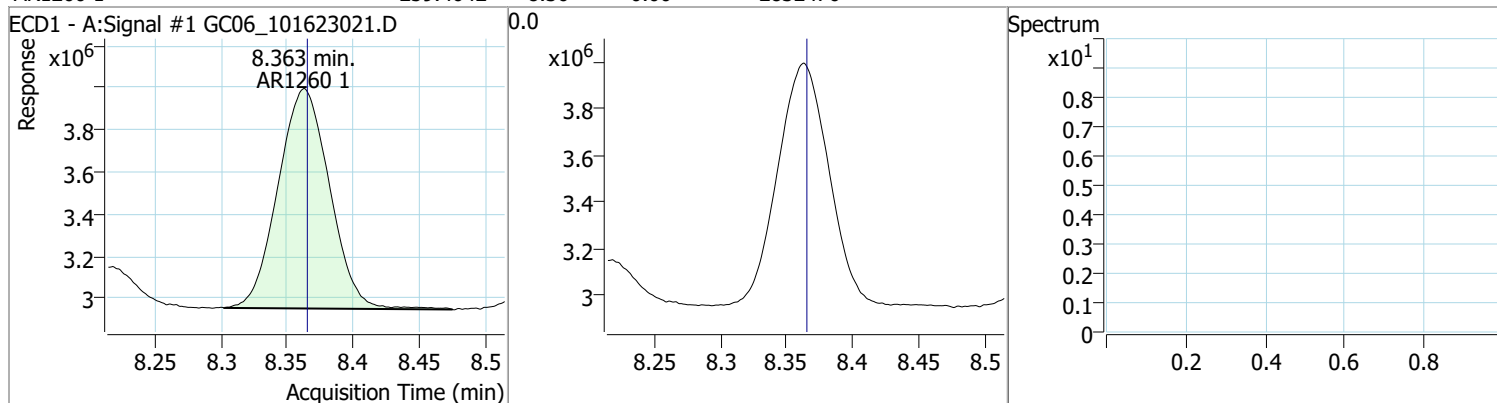


Quantitation Results Report (Not Reviewed)

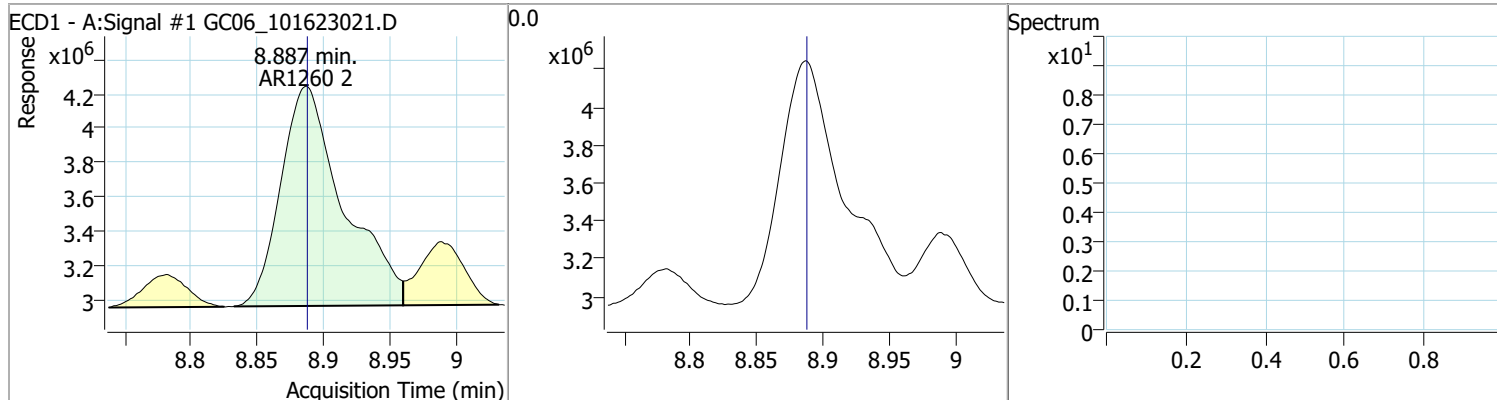


Quantitation Results Report (Not Reviewed)

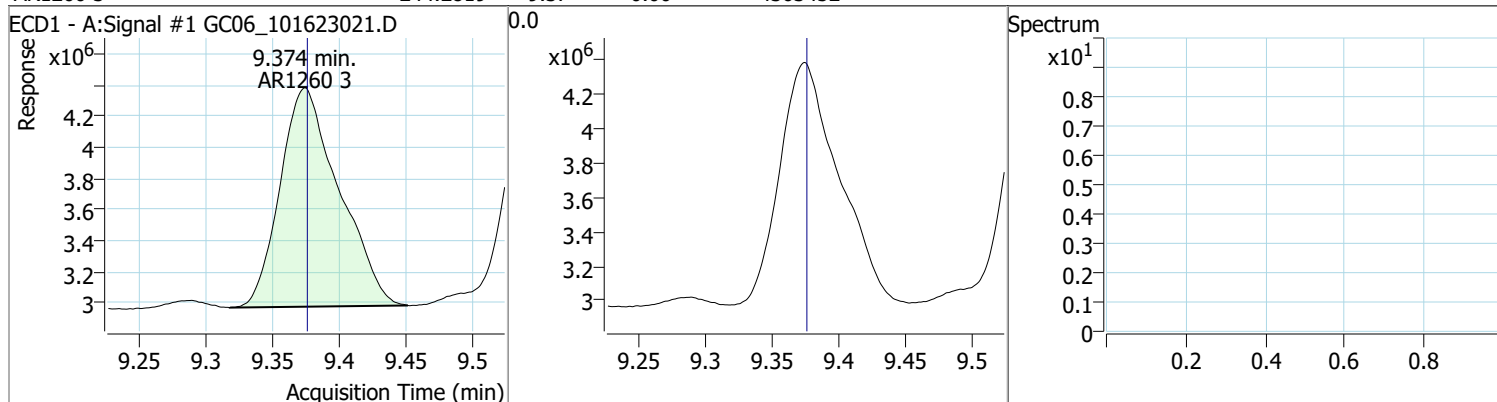
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	259.4642	8.36	0.00	2832476				



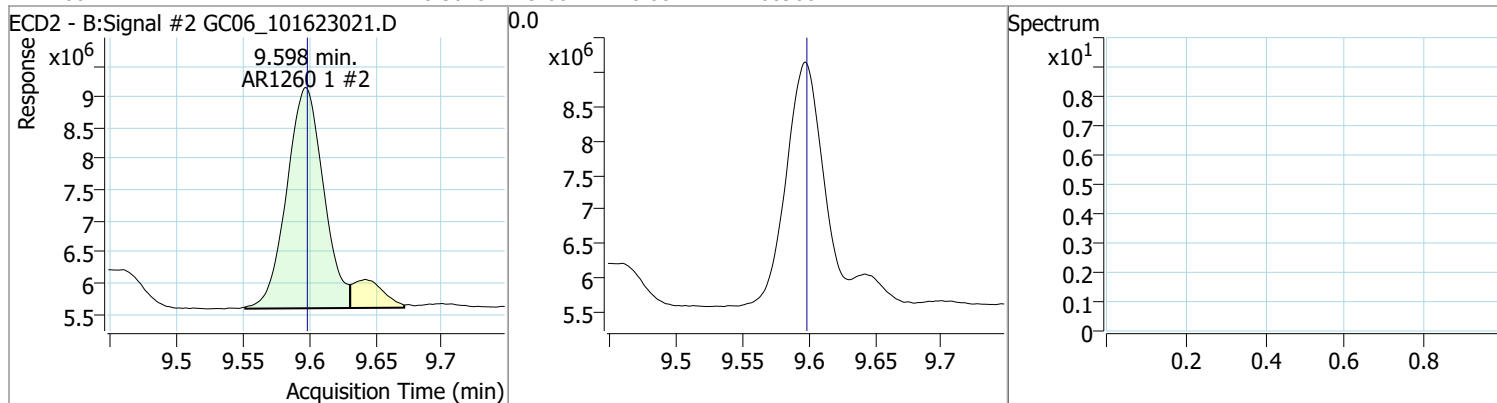
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	248.7892	8.89	0.00	4232067				



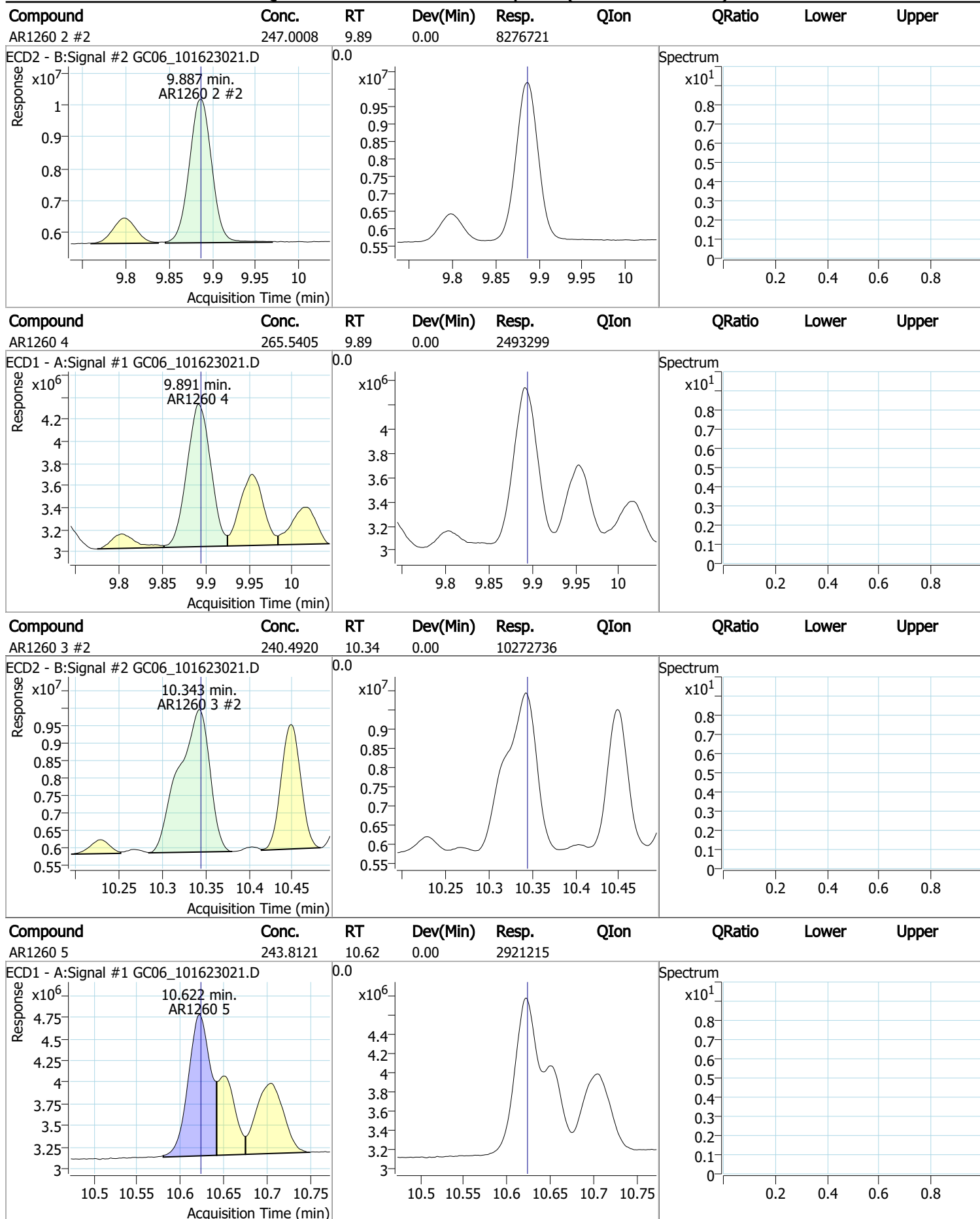
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	244.2819	9.37	0.00	4363452				



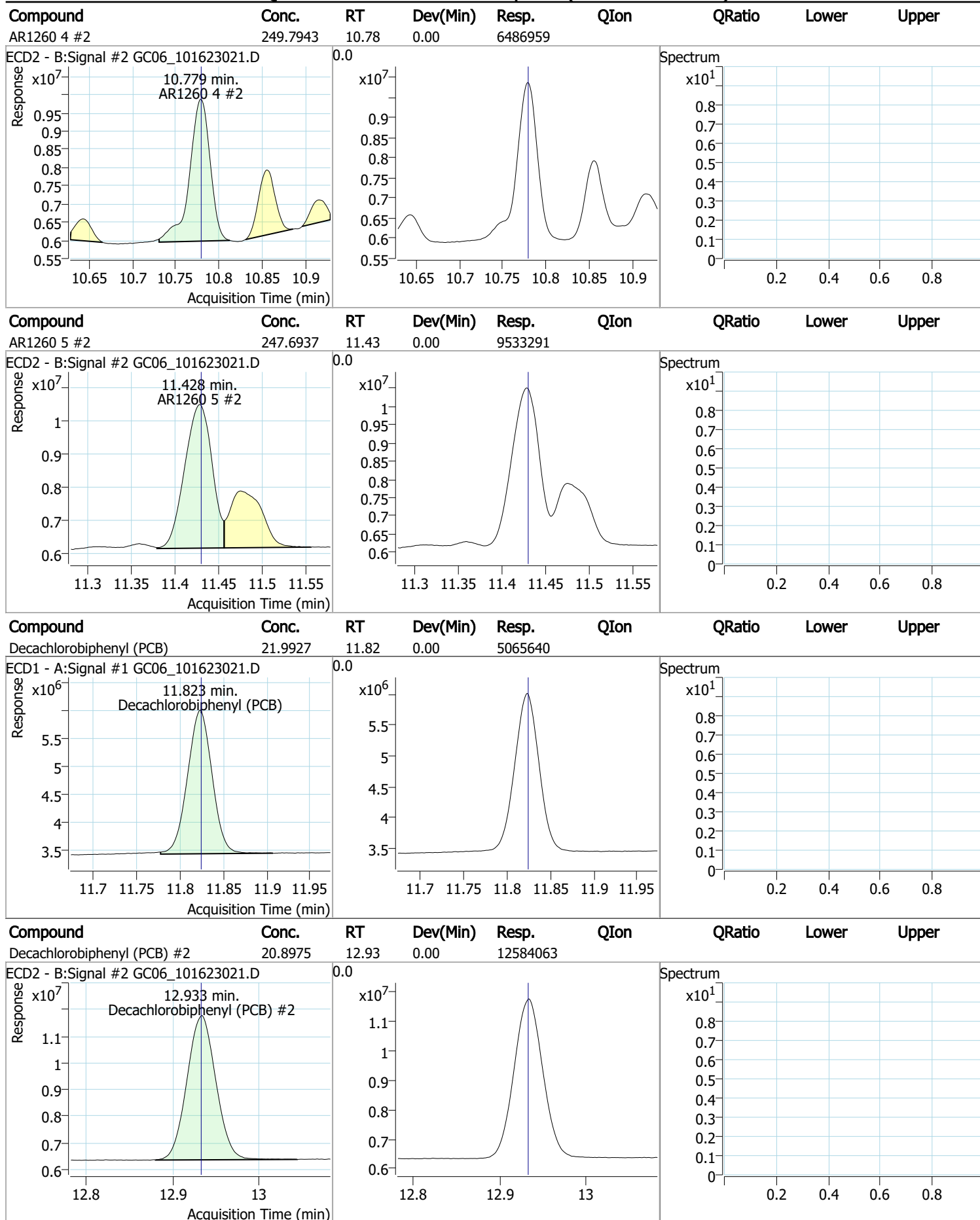
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	248.3678	9.60	0.00	6898074				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

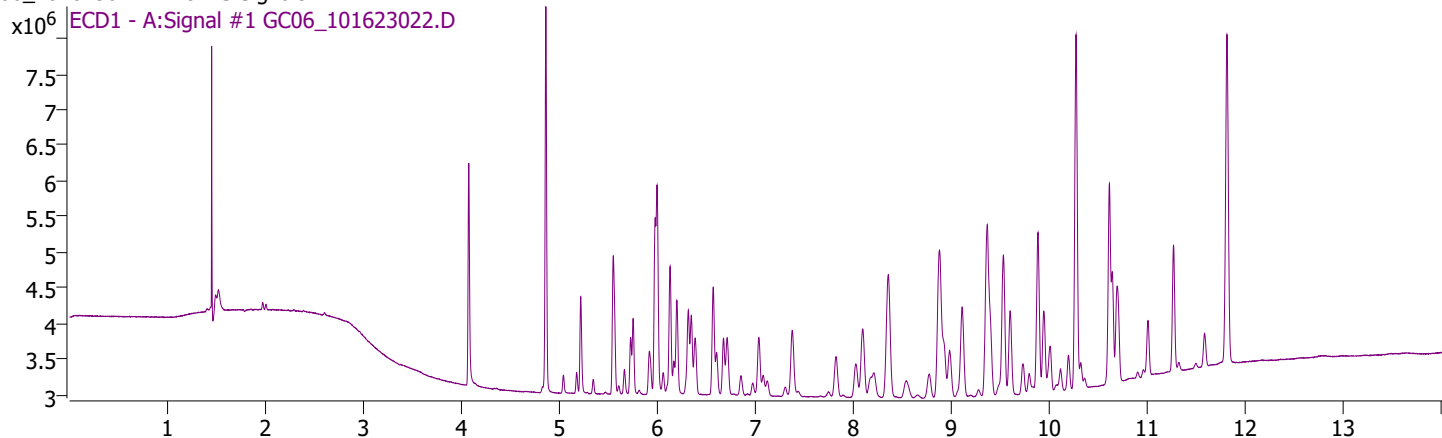


Quantitation Results Report (Not Reviewed)

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

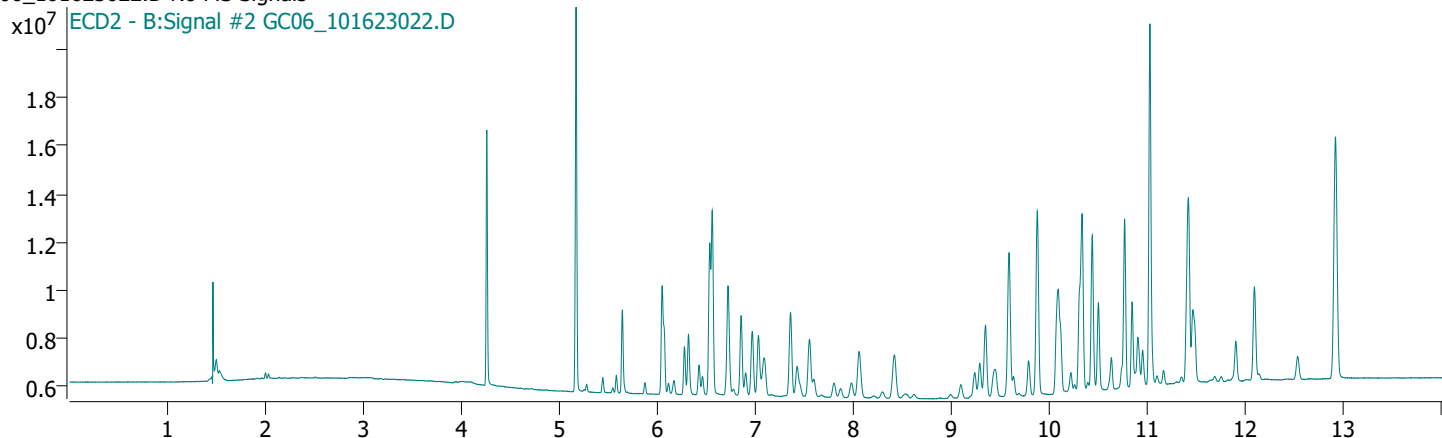
GC06_101623022.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_101623022.D



GC06_101623022.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_101623022.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3373162.49 3	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	9766720.45 3	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.866	0.0	5927644.42 0	35.3196	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.60%	*	
S TCMX (PCB) #2	5.174	0.0	16680790.7 36	36.3337	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.67%	*	
S Decachlorobiphenyl (PCB)	11.823	0.0	9149486.73 5	42.5206	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.60%	*	
S Decachlorobiphenyl (PCB) #2	12.932	0.0	23267005.4 02	41.5013	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.51%	*	

Target Compounds

QValue

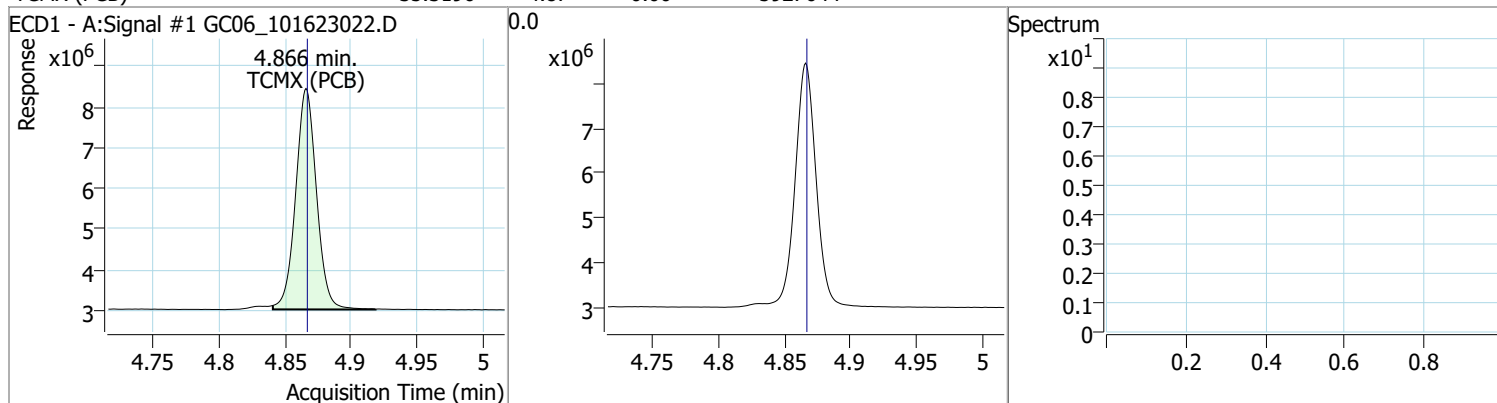
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.223	0.0	1774890.45 6	484.7998	ng/ml	100
T AR1016 2	5.555	0.0	3345121.64 1	455.2330	ng/ml	100
T AR1016 1 #2	5.648	0.0	4333688.23 5	479.8579	ng/ml	100
T AR1016 3	6.002	0.0	4348131.64 0	462.9109	ng/ml m	100
T AR1016 2 #2	6.054	0.0	9052592.19 5	480.3112	ng/ml	100
T AR1016 4	6.135	0.0	2703341.31 0	459.3311	ng/ml	100
T AR1016 3 #2	6.565	0.0	11549920.3 45	460.5302	ng/ml	100
T AR1016 5	6.576	0.0	2485835.59 4	469.3687	ng/ml m	100
T AR1016 4 #2	6.727	0.0	8201219.61 0	486.7765	ng/ml	100
T AR1016 5 #2	7.366	0.0	6598788.27 8	474.0863	ng/ml	100
T AR1260 1	8.364	0.0	4772604.33 1	467.9769	ng/ml	100
T AR1260 2	8.887	0.0	7226951.74 4	454.7700	ng/ml	100
T AR1260 3	9.375	0.0	7448722.80 0	446.3758	ng/ml	100
T AR1260 1 #2	9.598	0.0	12058804.9 76	466.3568	ng/ml	100
T AR1260 2 #2	9.886	0.0	14328336.7 60	459.2850	ng/ml	100
T AR1260 4	9.893	0.0	4228122.15 8	482.0162	ng/ml	100
T AR1260 3 #2	10.343	0.0	18338426.2 66	461.1298	ng/ml m	100
T AR1260 5	10.623	0.0	4918024.09 3	439.3797	ng/ml	100
T AR1260 4 #2	10.778	0.0	11405187.7 72	471.7265	ng/ml	100
T AR1260 5 #2	11.429	0.0	16839266.0 29	469.9393	ng/ml	100

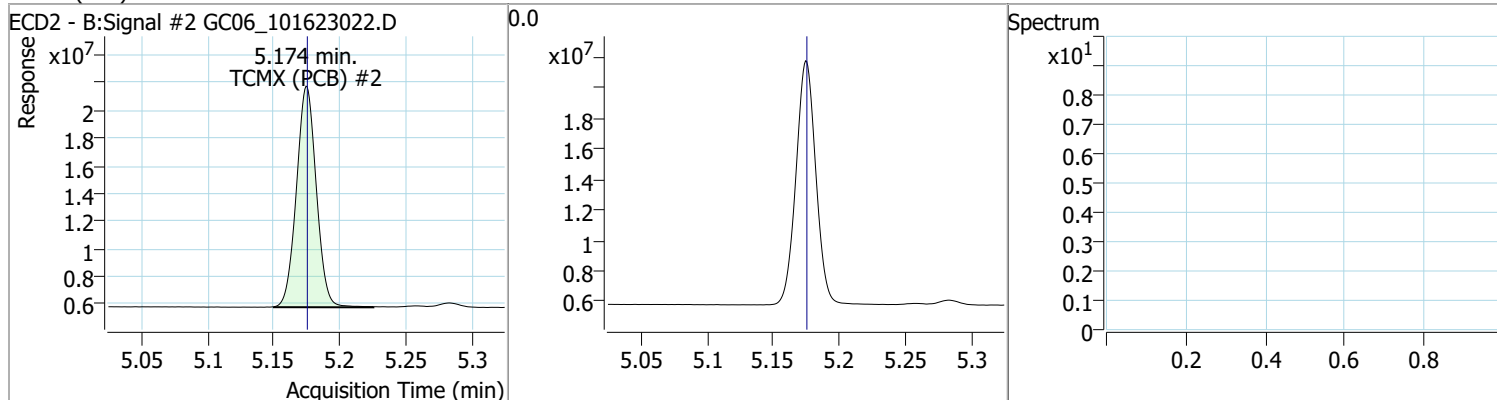
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

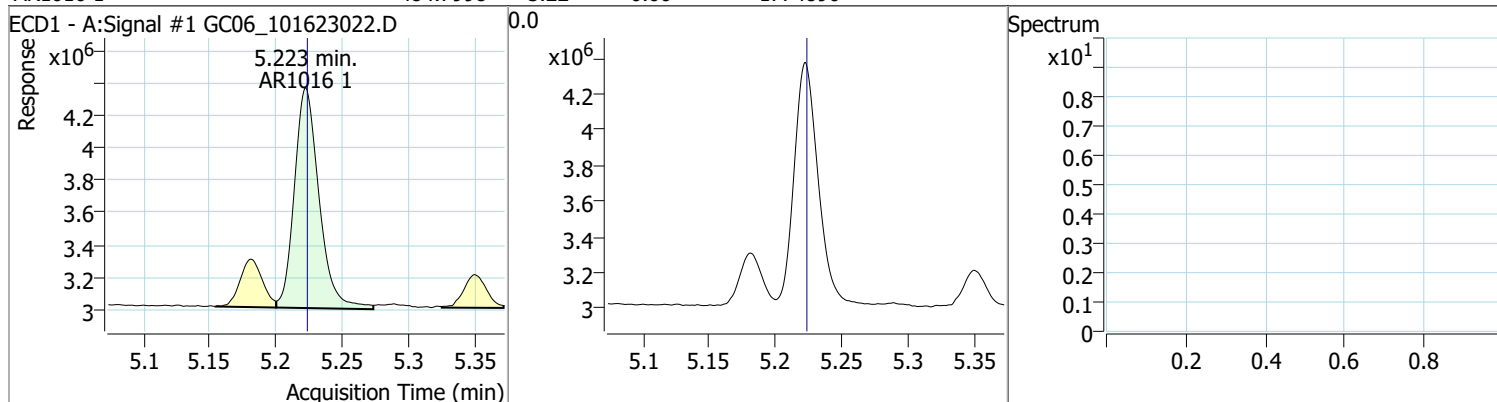
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.3196	4.87	0.00	5927644				



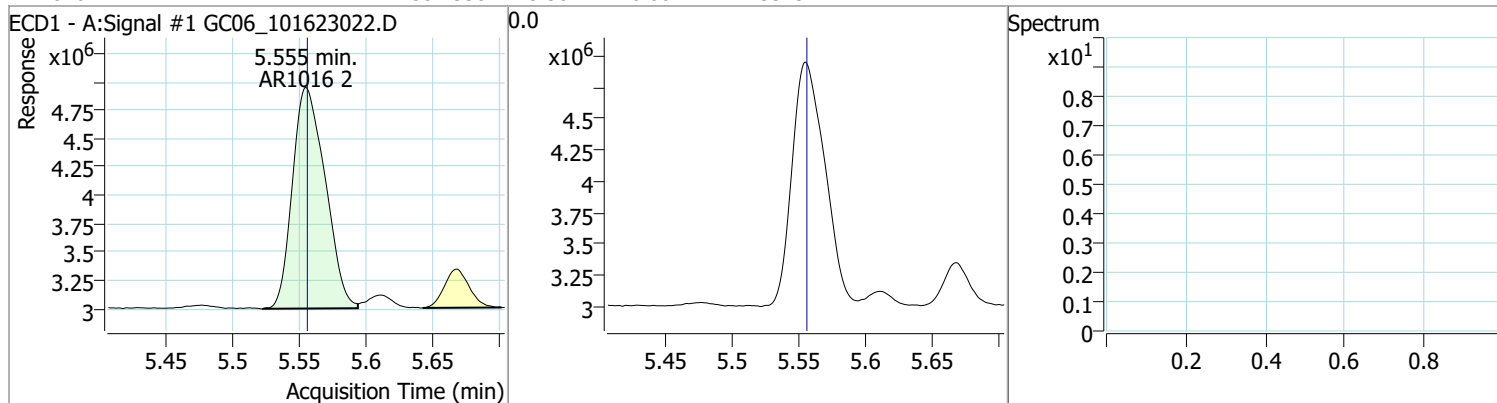
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.3337	5.17	0.00	16680791				



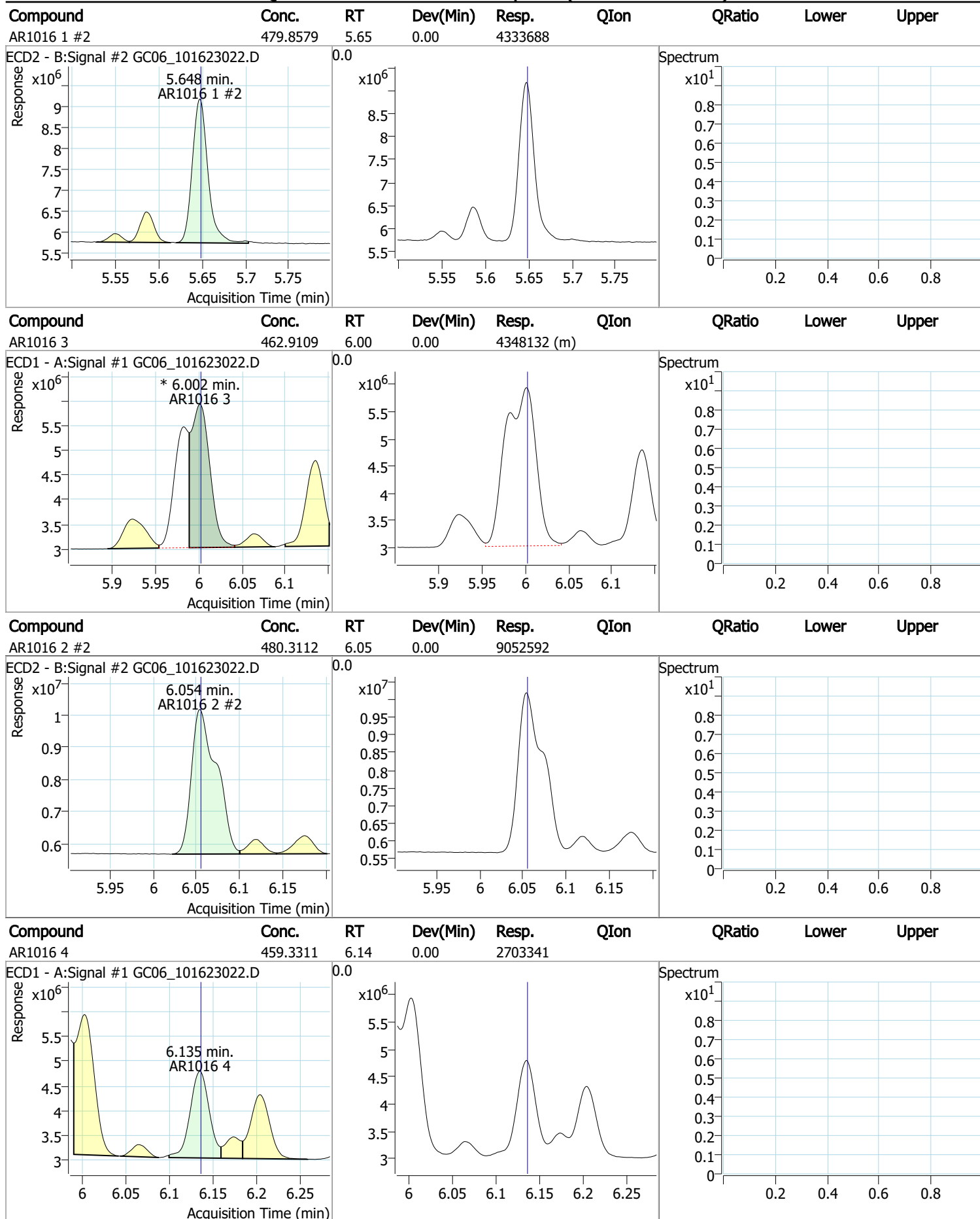
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	484.7998	5.22	0.00	1774890				



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

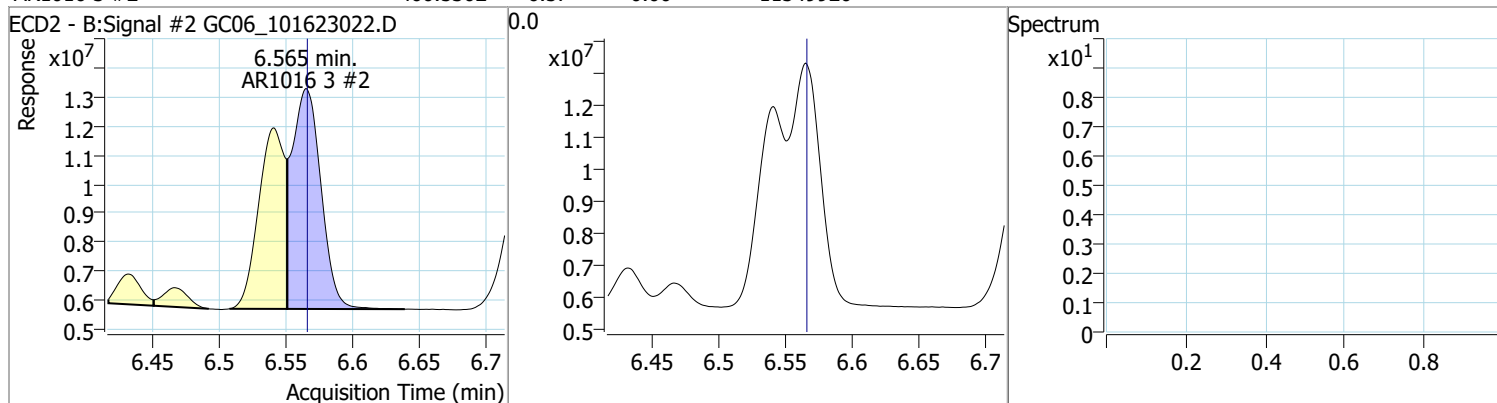


Quantitation Results Report (Not Reviewed)

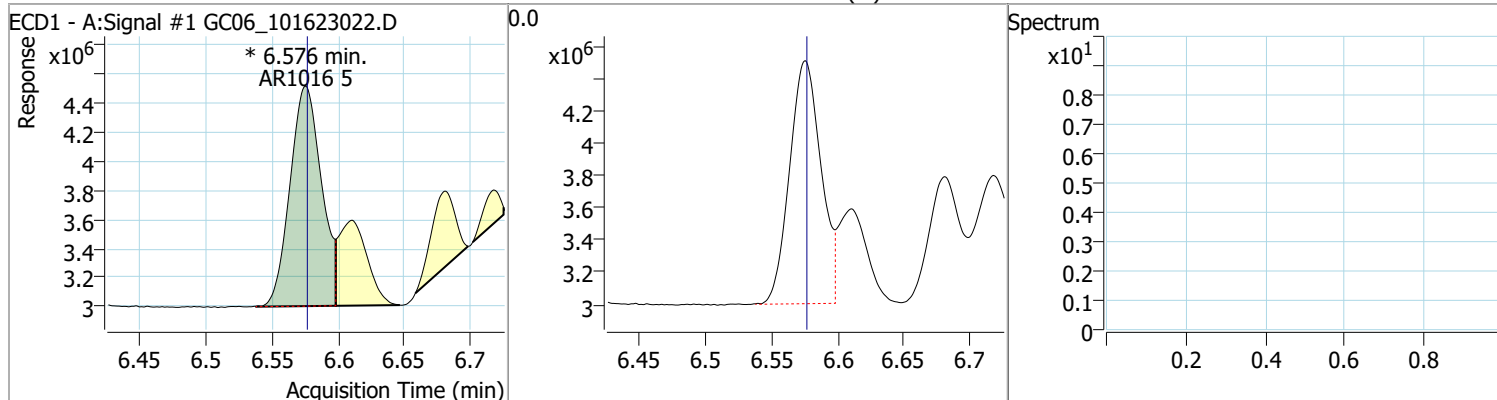


Quantitation Results Report (Not Reviewed)

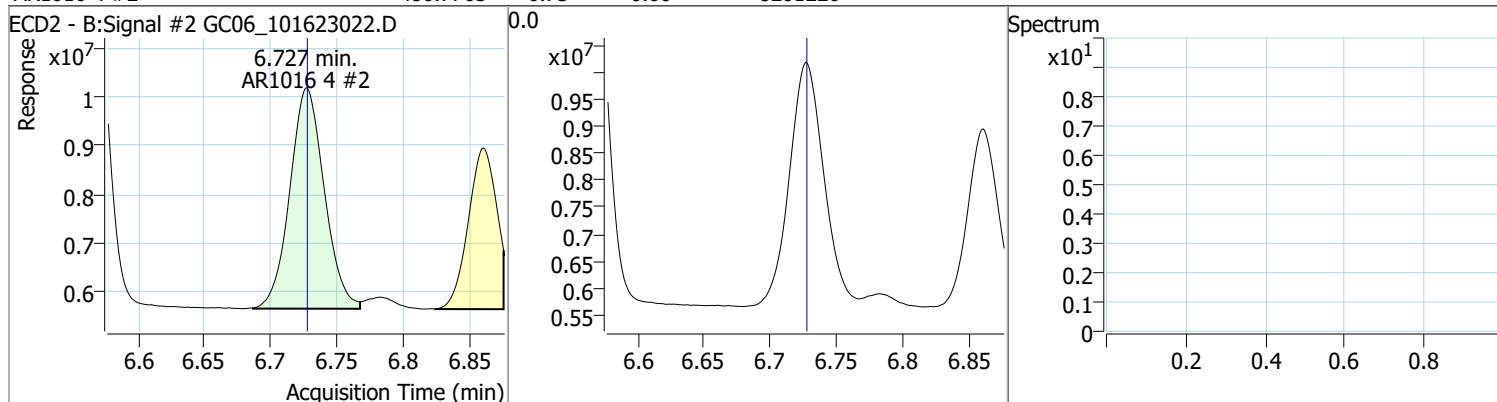
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	460.5302	6.57	0.00	11549920				



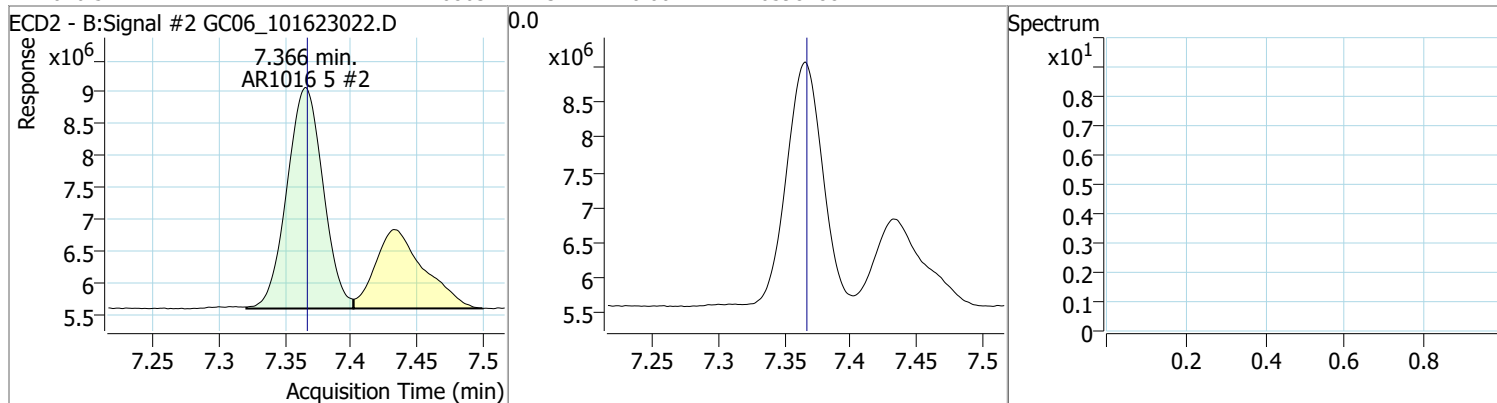
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	469.3687	6.58	0.00	2485836 (m)				



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

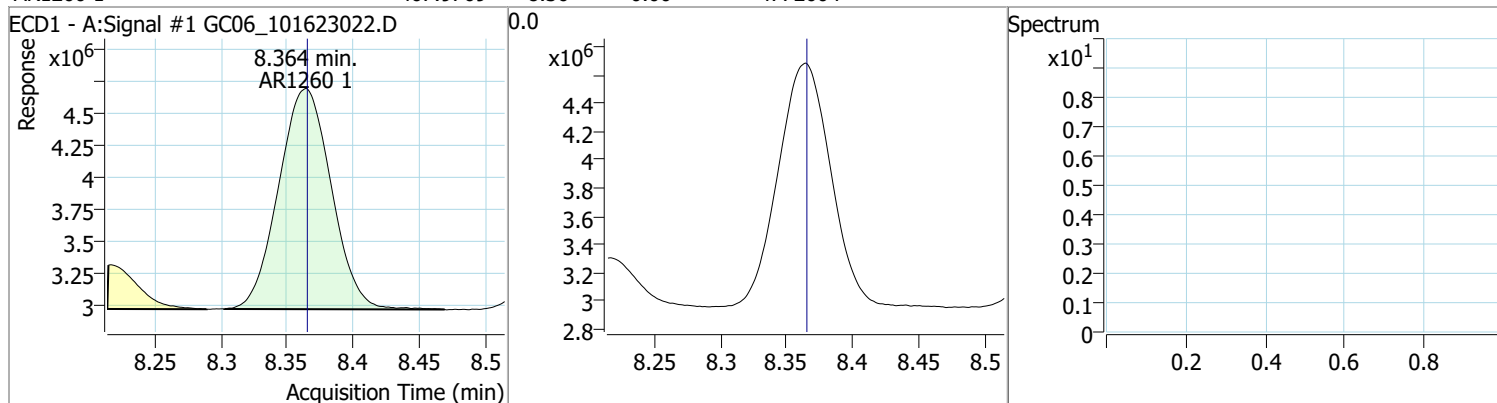


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	474.0863	7.37	0.00	6598788				

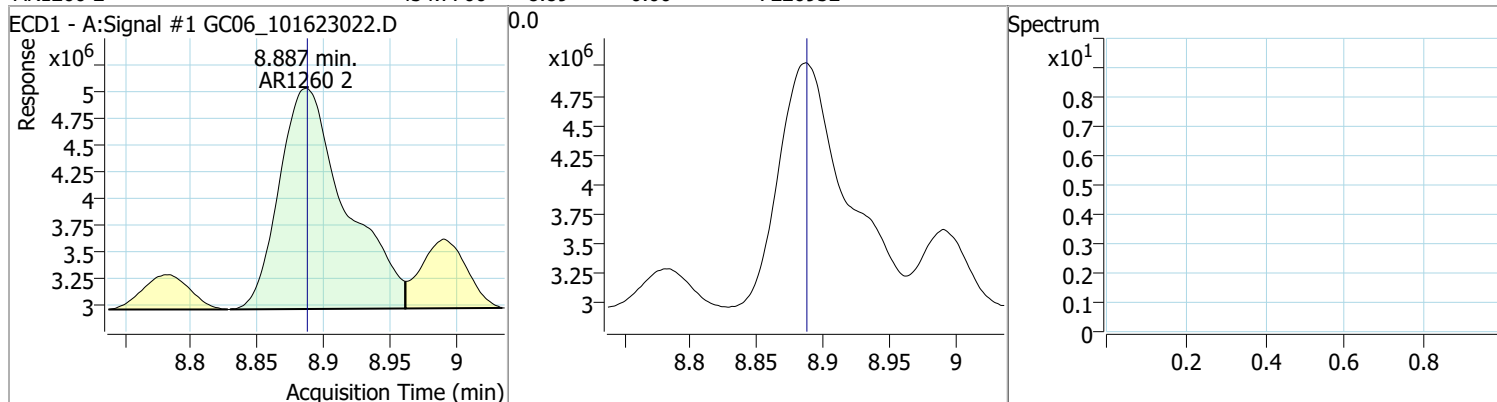


Quantitation Results Report (Not Reviewed)

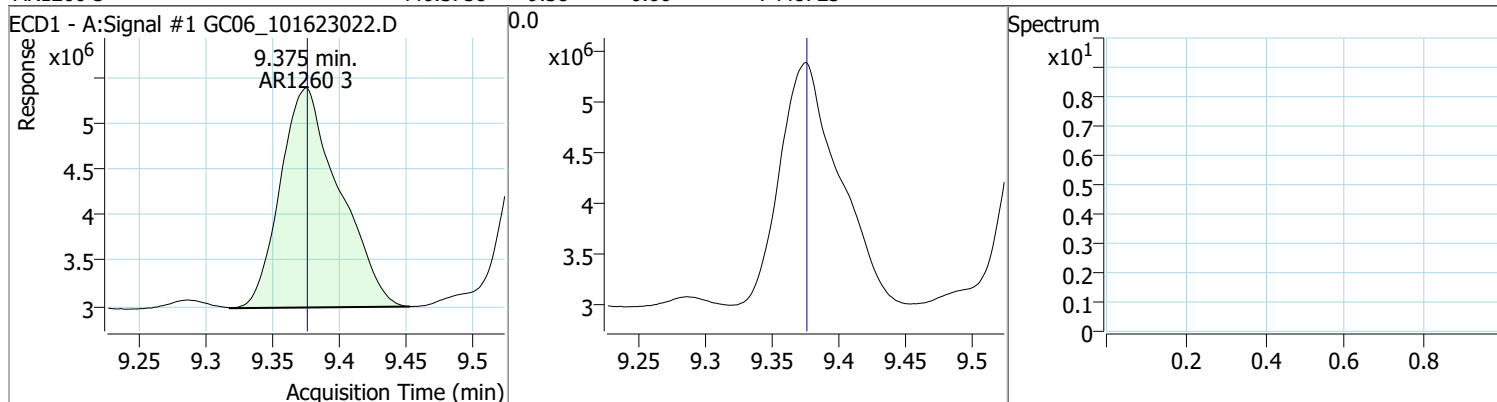
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	467.9769	8.36	0.00	4772604				



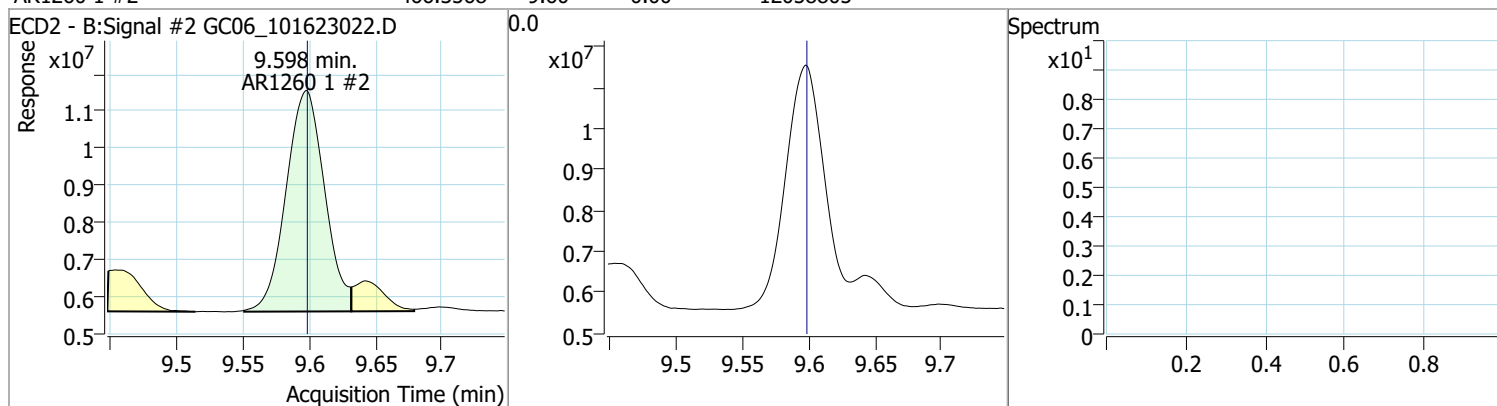
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	454.7700	8.89	0.00	7226952				



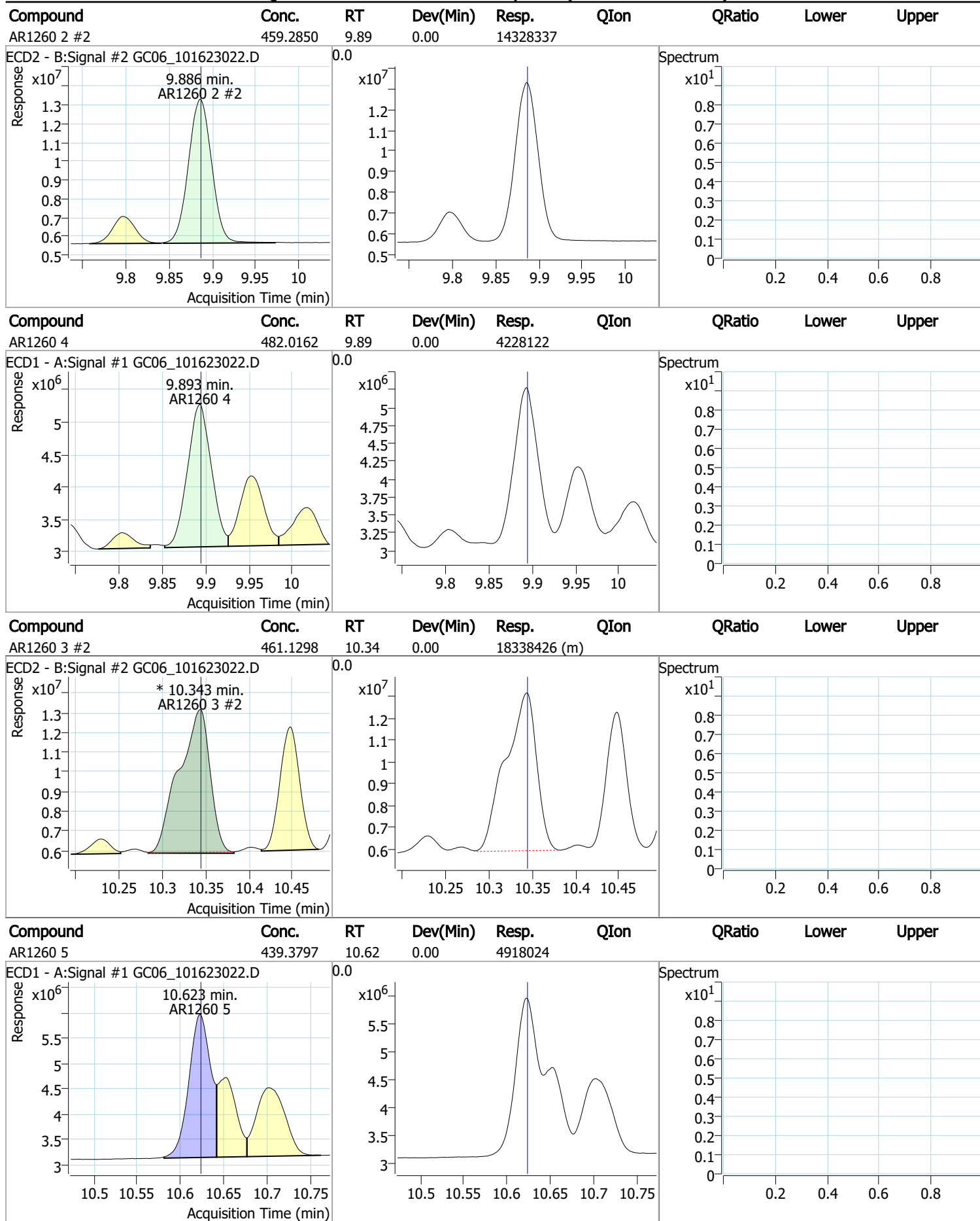
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	446.3758	9.38	0.00	7448723				



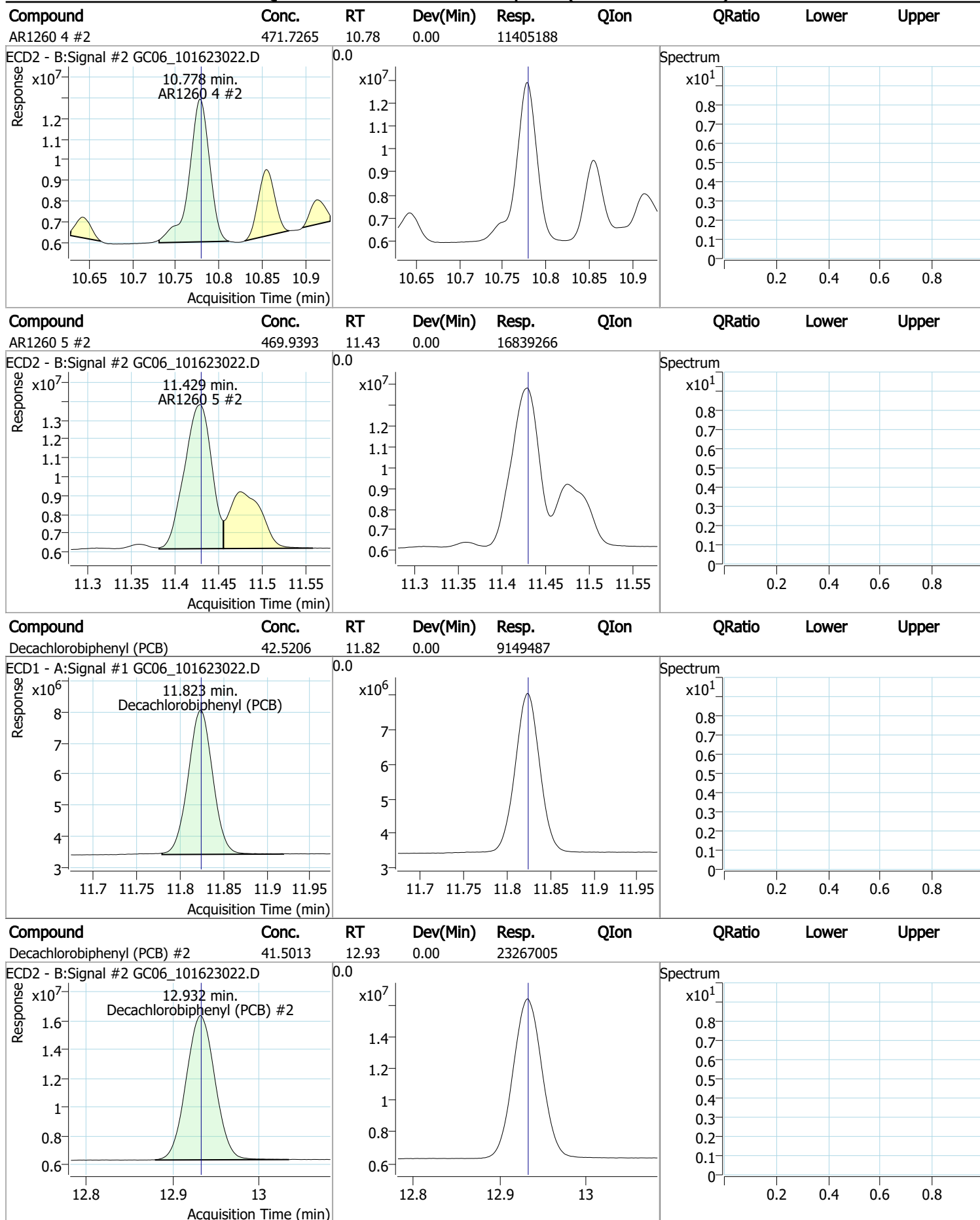
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	466.3568	9.60	0.00	12058805				



Quantitation Results Report (Not Reviewed)



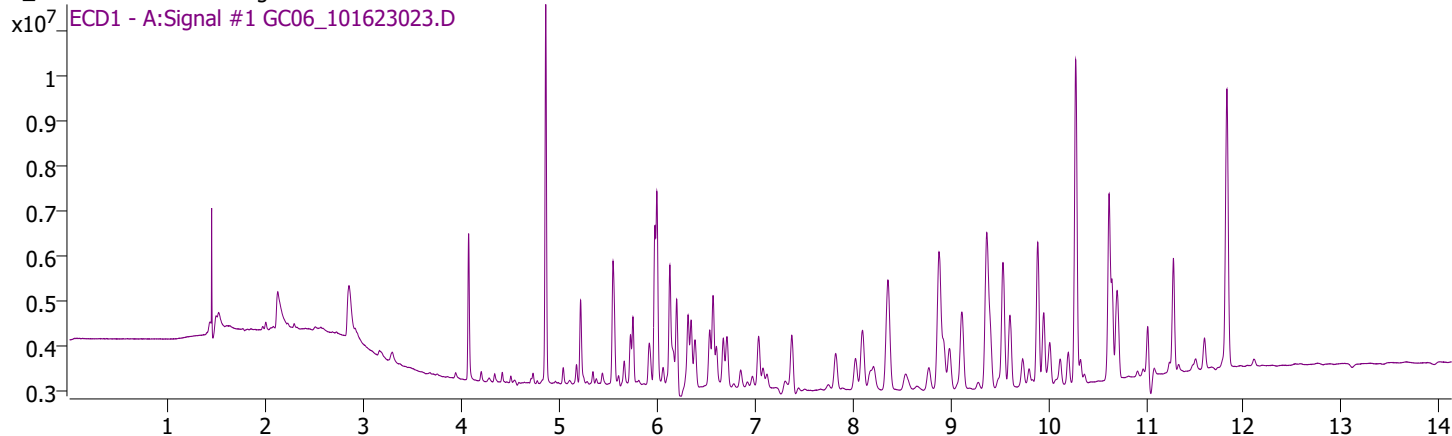
Quantitation Results Report (Not Reviewed)



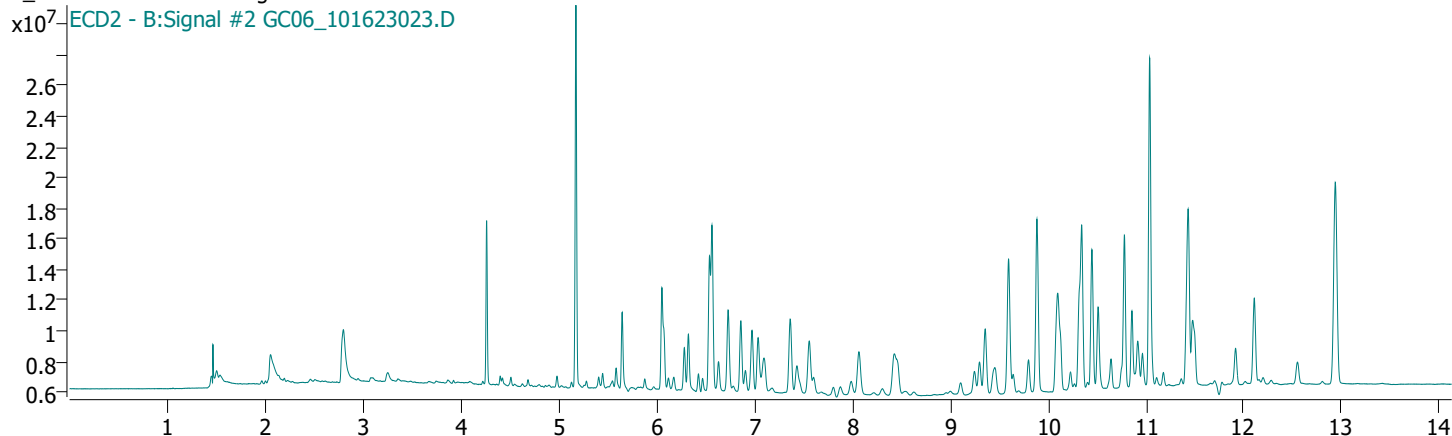
Quantitation Results Report (Not Reviewed)

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

GC06_101623023.D No MS Signals



GC06_101623023.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3411095.10 3	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10002704.5 11	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.867	0.0	9092758.36 1	53.5763	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 267.88%	*	
S TCMX (PCB) #2	5.174	0.0	26854495.5 27	57.1138	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 285.57%	*	
S Decachlorobiphenyl (PCB)	11.828	0.0	12455719.1 89	57.2420	ng/ml	0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 286.21%	*	
S Decachlorobiphenyl (PCB) #2	12.934	0.0	31411987.7 91	54.7076	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 273.54%	*	

Target Compounds

QValue

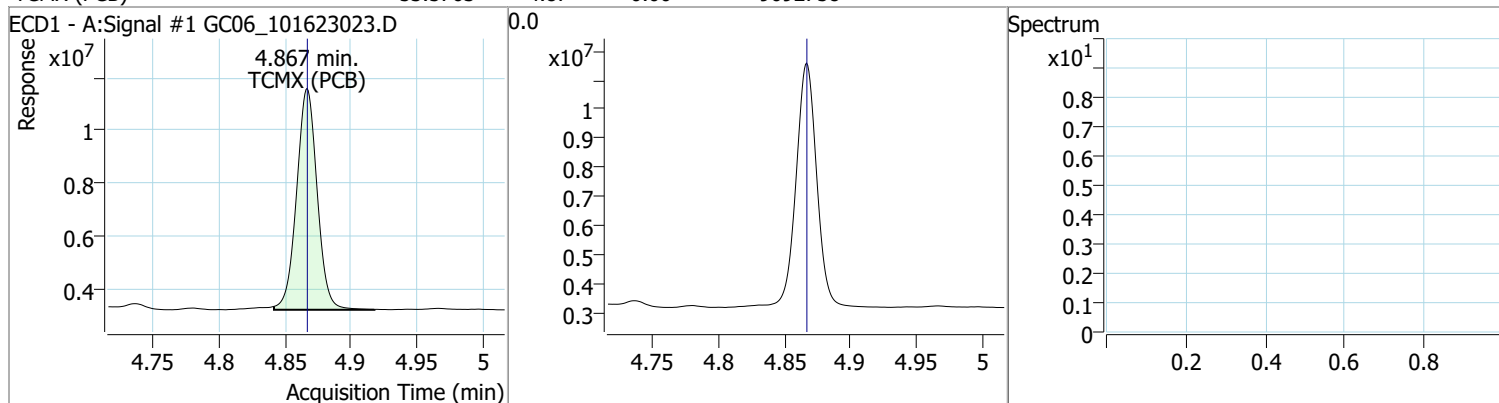
Quantitation Results Report (Not Reviewed)

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

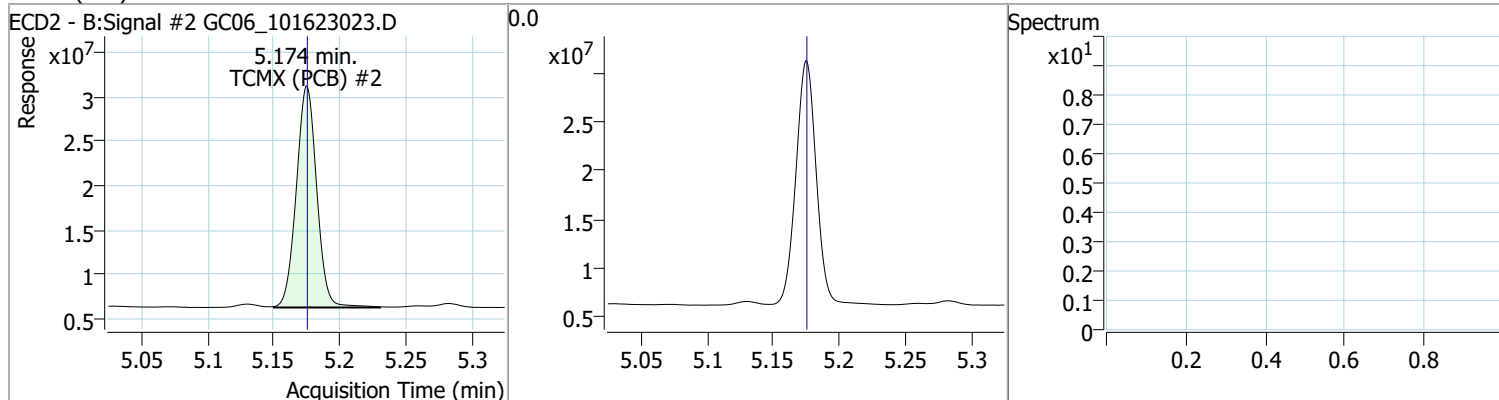
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

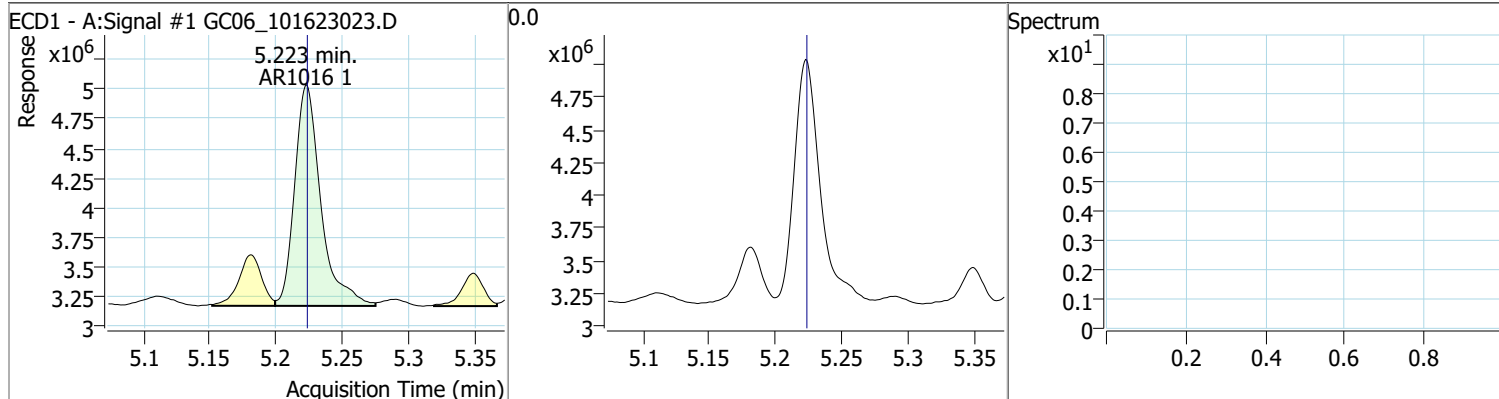
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	53.5763	4.87	0.00	9092758				



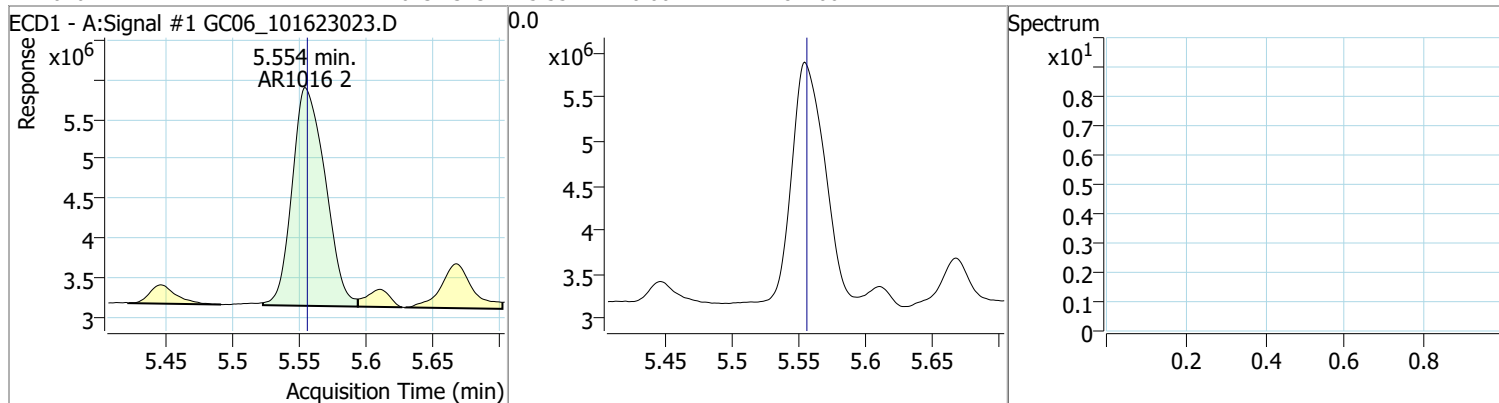
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	57.1138	5.17	0.00	26854496				



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

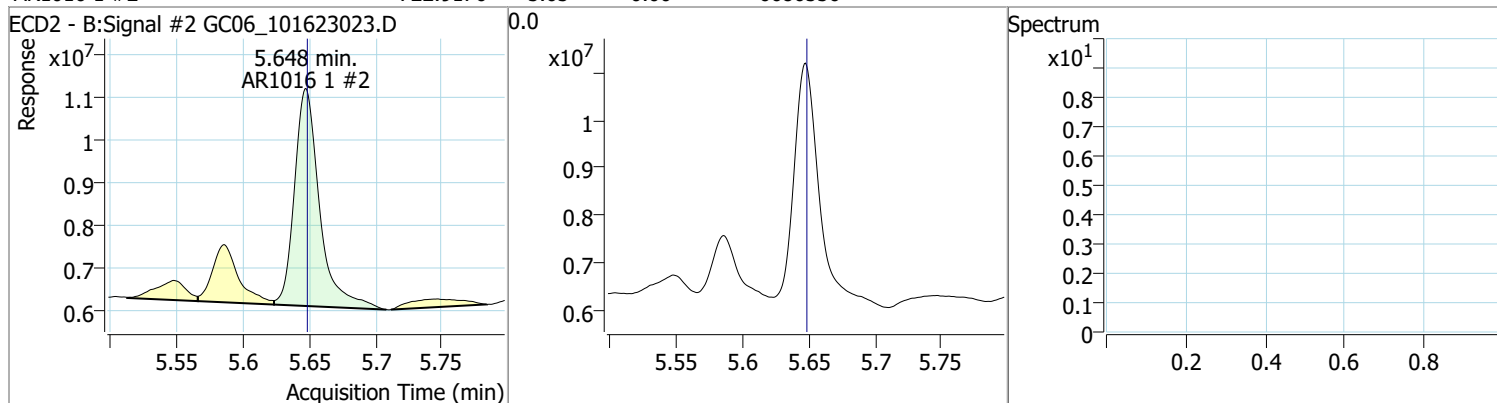


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	643.4313	5.55	0.00	4781200				

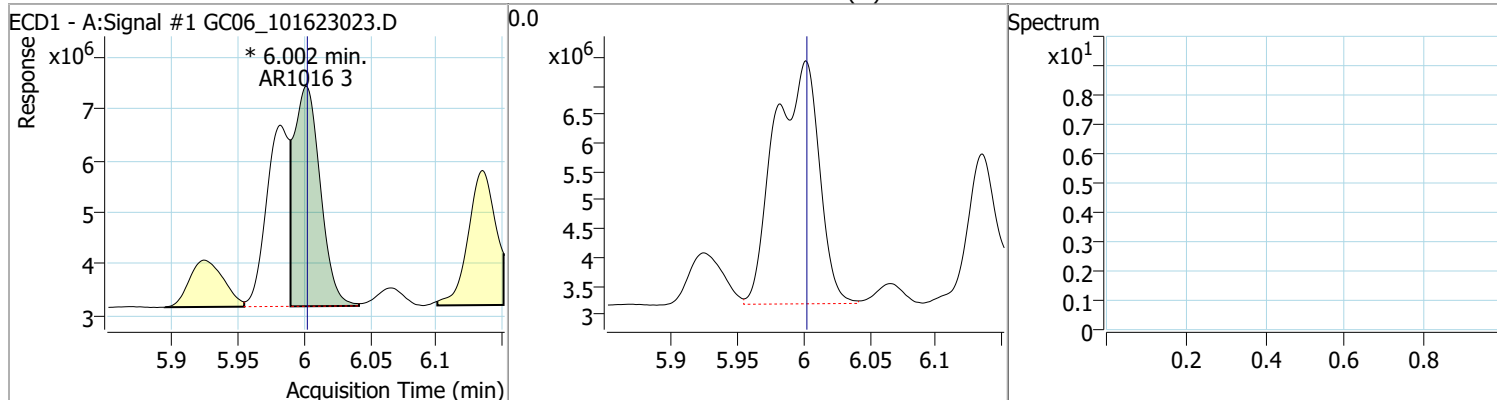


Quantitation Results Report (Not Reviewed)

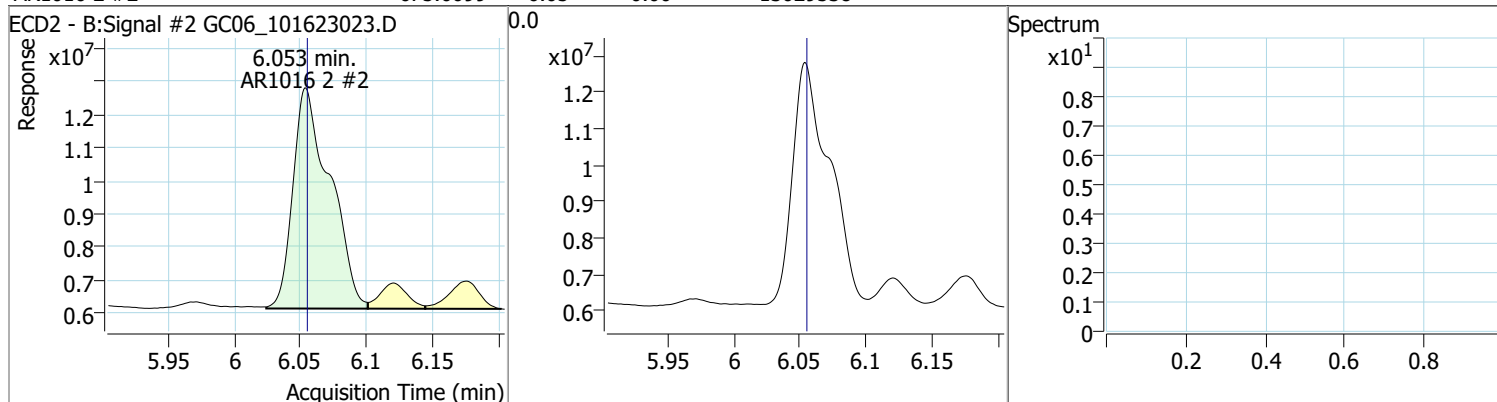
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	722.9176	5.65	0.00	6686556				



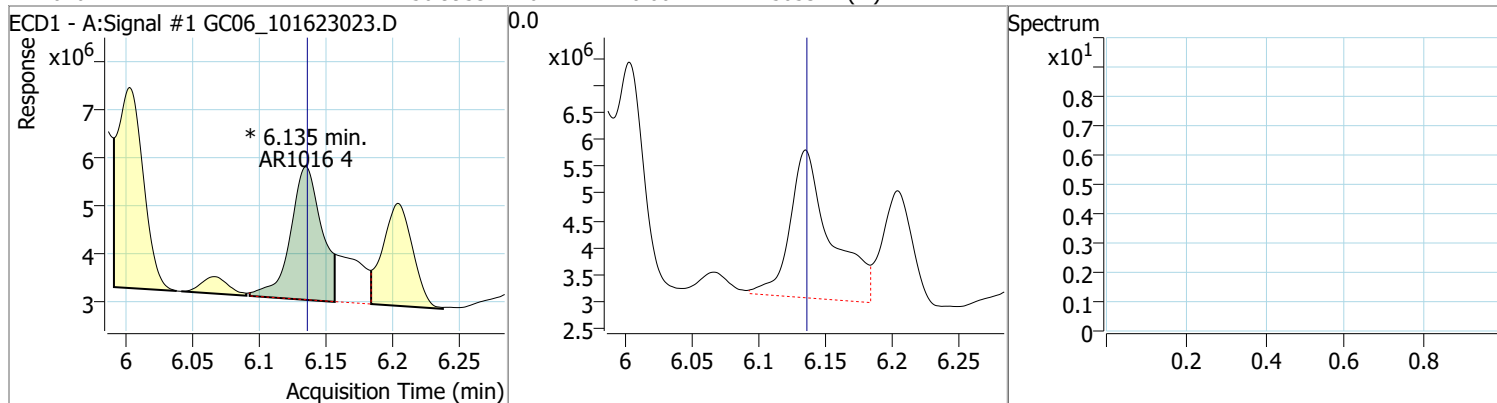
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	617.9557	6.00	0.00	5869743 (m)				



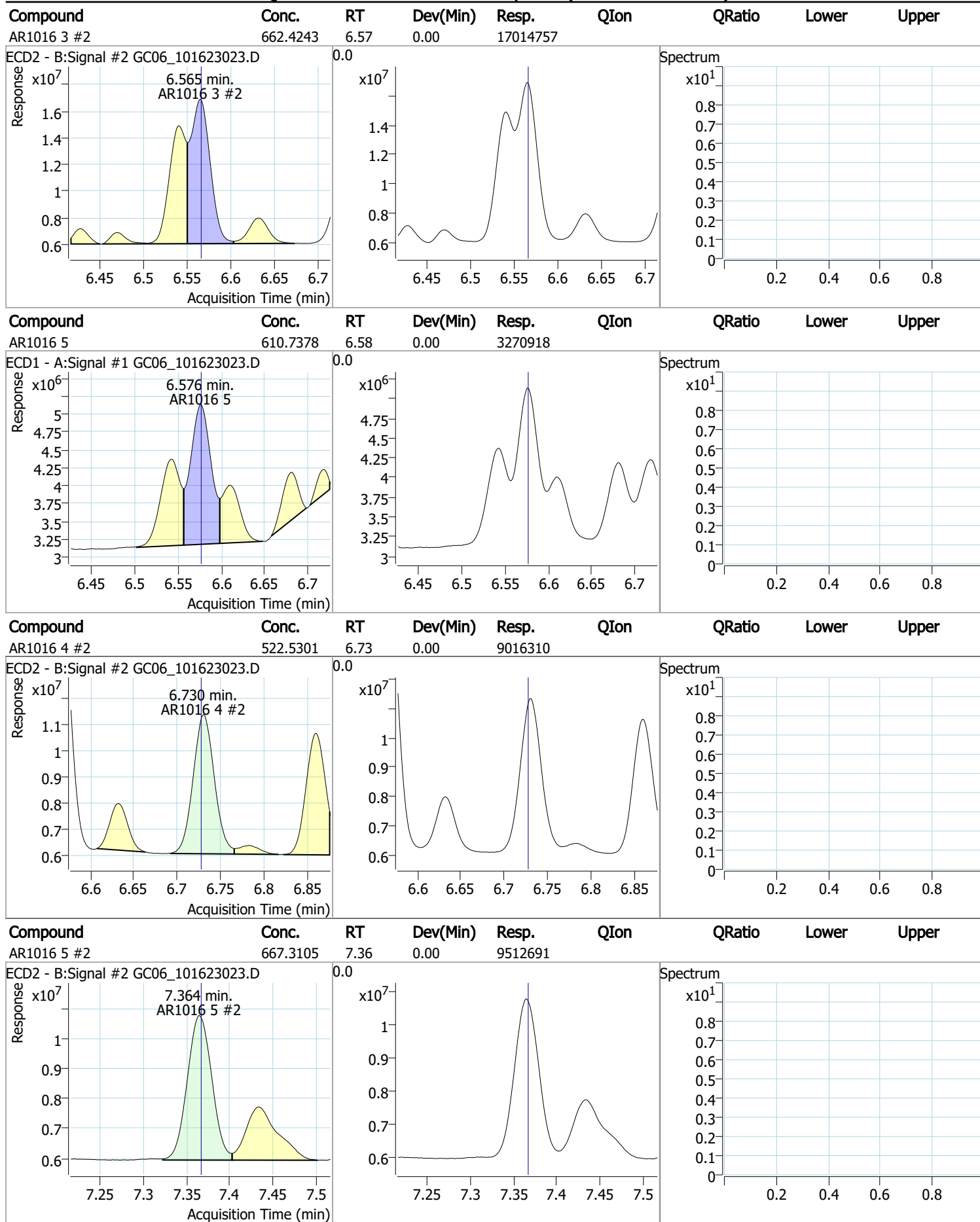
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	675.0099	6.05	0.00	13029538				



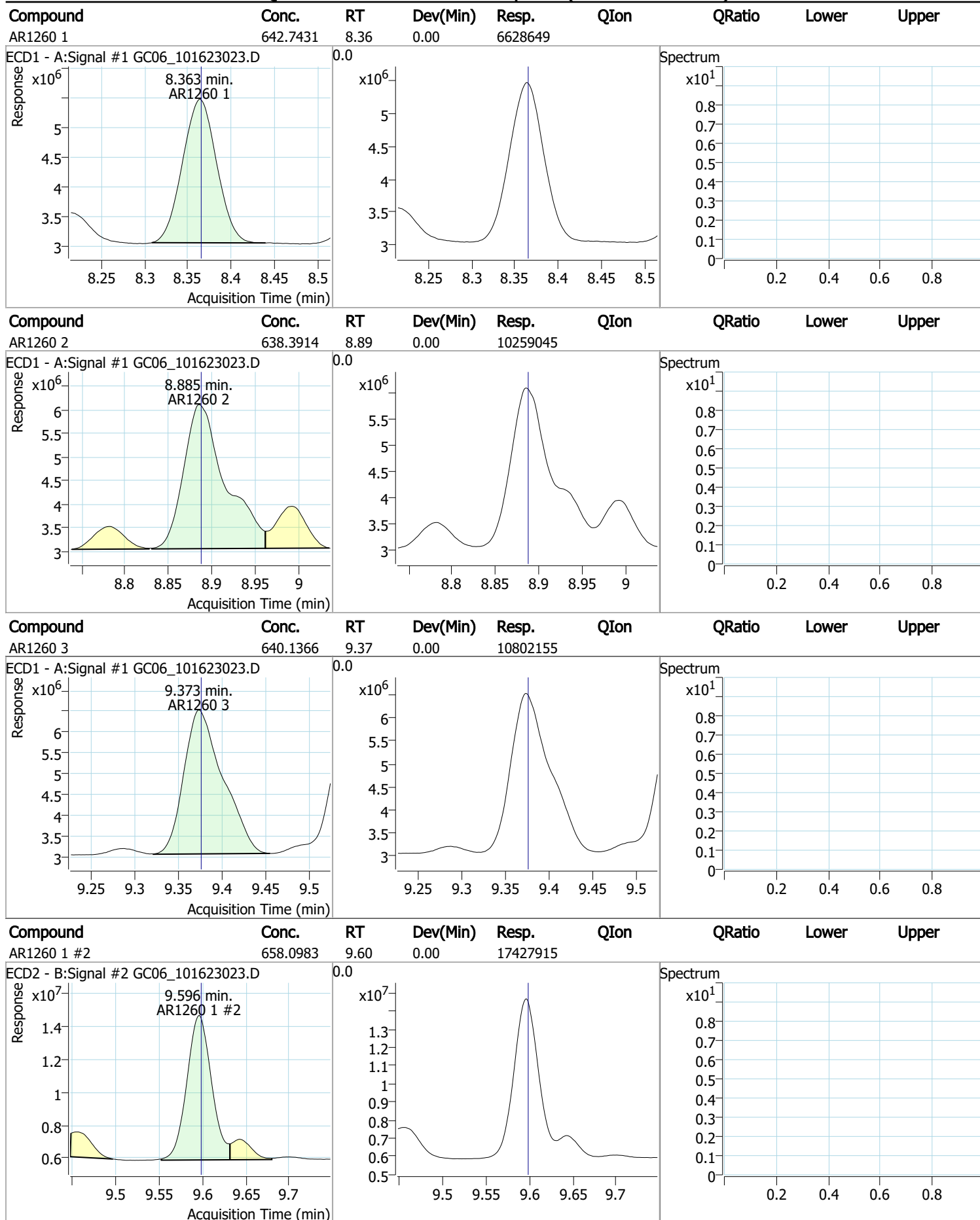
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	756.9953	6.14	0.00	4505311 (m)				



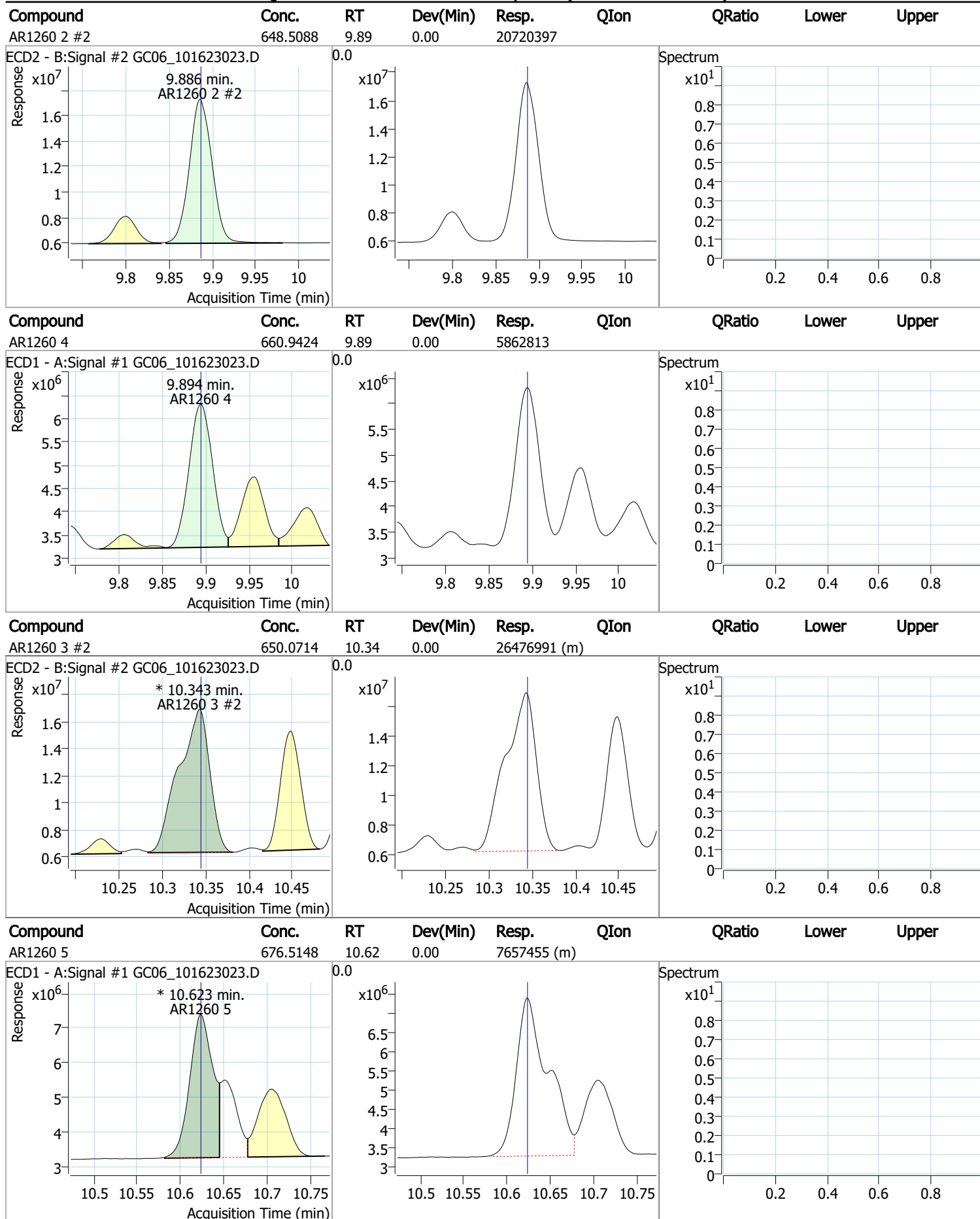
Quantitation Results Report (Not Reviewed)



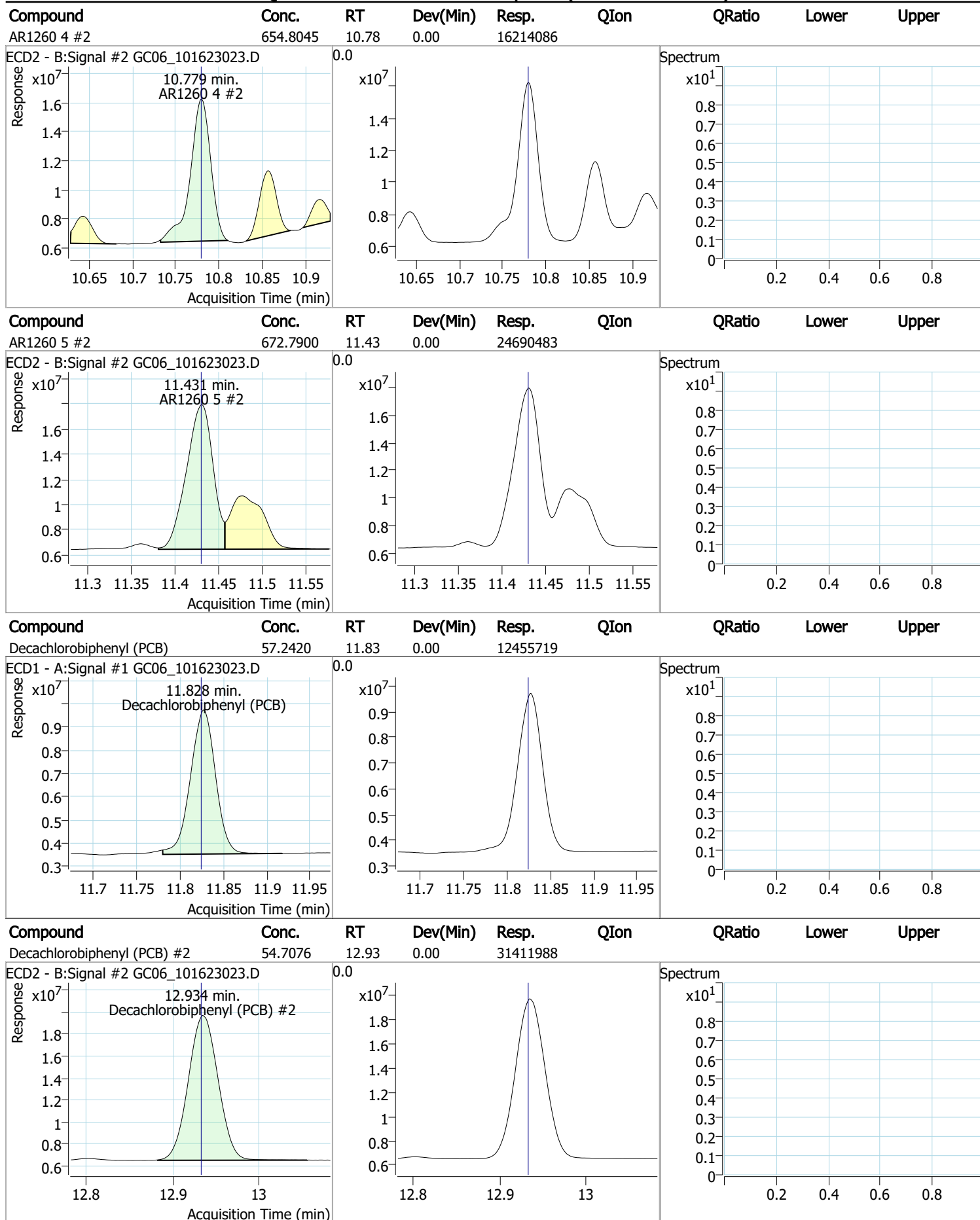
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



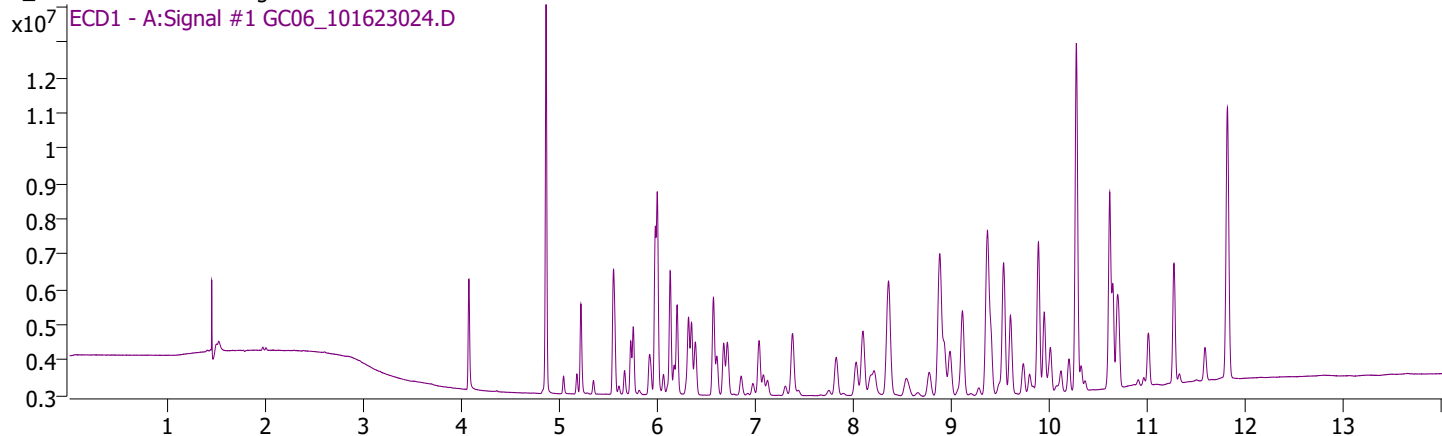
Quantitation Results Report (Not Reviewed)



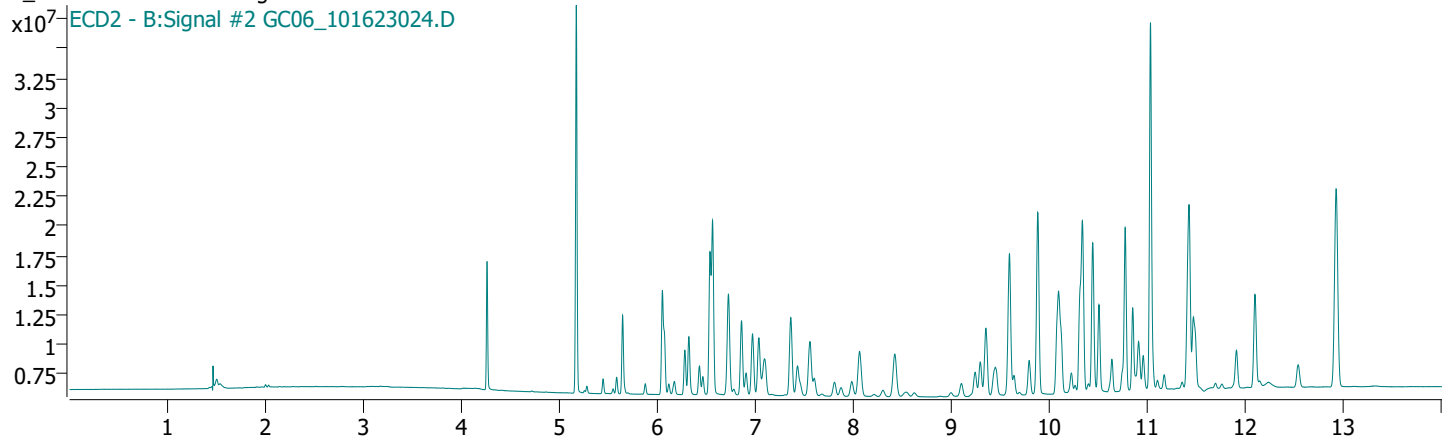
Quantitation Results Report (Not Reviewed)

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

GC06_101623024.D No MS Signals



GC06_101623024.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.078	0.0	3381544.18 1	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	9785607.82 5	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.865	0.0	11804843.7 78	70.1642	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 350.82%	*	
S TCMX (PCB) #2	5.174	0.0	33998519.3 00	73.9118	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 369.56%	*	
S Decachlorobiphenyl (PCB)	11.823	0.0	15380886.0 32	71.3027	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 356.51%	*	
S Decachlorobiphenyl (PCB) #2	12.933	0.0	38931066.6 53	69.3071	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 346.54%	*	

Target Compounds

QValue

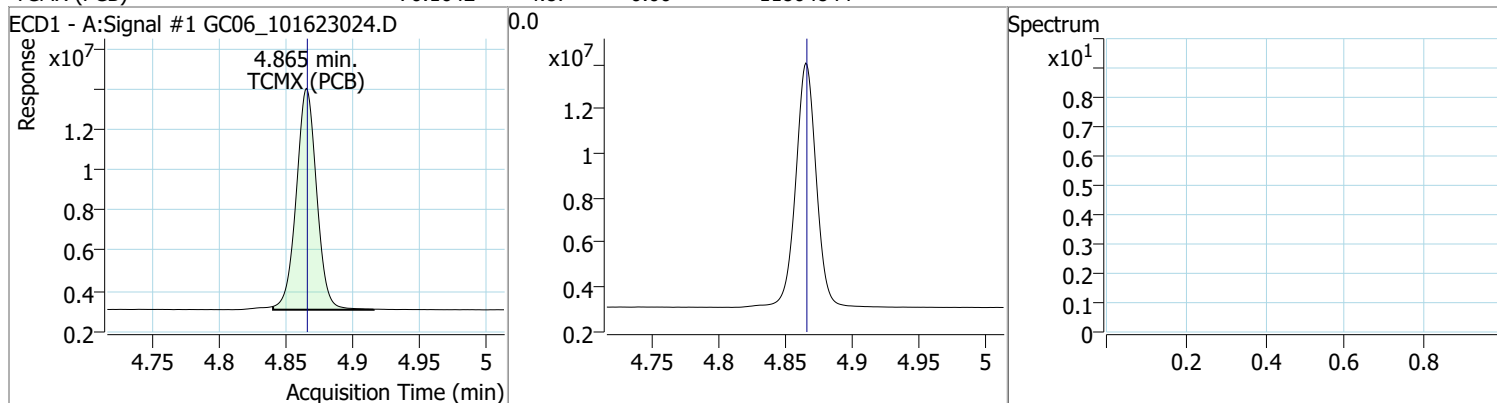
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.221	0.0	3208052.52 8	874.0869	ng/ml	100
T AR1016 2	5.554	0.0	6177165.68 0	838.5583	ng/ml	100
T AR1016 1 #2	5.647	0.0	8263249.11 7	913.2019	ng/ml	100
T AR1016 3	6.001	0.0	7942278.55 8	843.4553	ng/ml m	100
T AR1016 2 #2	6.053	0.0	17211636.3 22	911.4501	ng/ml	100
T AR1016 4	6.133	0.0	5024458.72 0	851.6015	ng/ml	100
T AR1016 3 #2	6.565	0.0	22744612.9 22	905.1461	ng/ml	100
T AR1016 5	6.574	0.0	4657553.02 3	877.2467	ng/ml	100
T AR1016 4 #2	6.727	0.0	15845225.2 54	938.6648	ng/ml	100
T AR1016 5 #2	7.364	0.0	12899550.1 79	924.9723	ng/ml	100
T AR1260 1	8.363	0.0	9064736.48 7	886.6381	ng/ml	100
T AR1260 2	8.885	0.0	13828623.1 55	868.0360	ng/ml	100
T AR1260 3	9.372	0.0	14445919.2 81	863.5475	ng/ml	100
T AR1260 1 #2	9.597	0.0	23397170.4 91	903.1052	ng/ml	100
T AR1260 2 #2	9.886	0.0	27930033.5 24	893.5500	ng/ml	100
T AR1260 4	9.893	0.0	8163197.15 5	928.3177	ng/ml	100
T AR1260 3 #2	10.341	0.0	36279017.5 06	910.4951	ng/ml	100
T AR1260 5	10.621	0.0	9749735.91 9	868.8893	ng/ml	100
T AR1260 4 #2	10.778	0.0	22876459.2 00	944.3601	ng/ml m	100
T AR1260 5 #2	11.431	0.0	34575399.7 33	963.0454	ng/ml	100

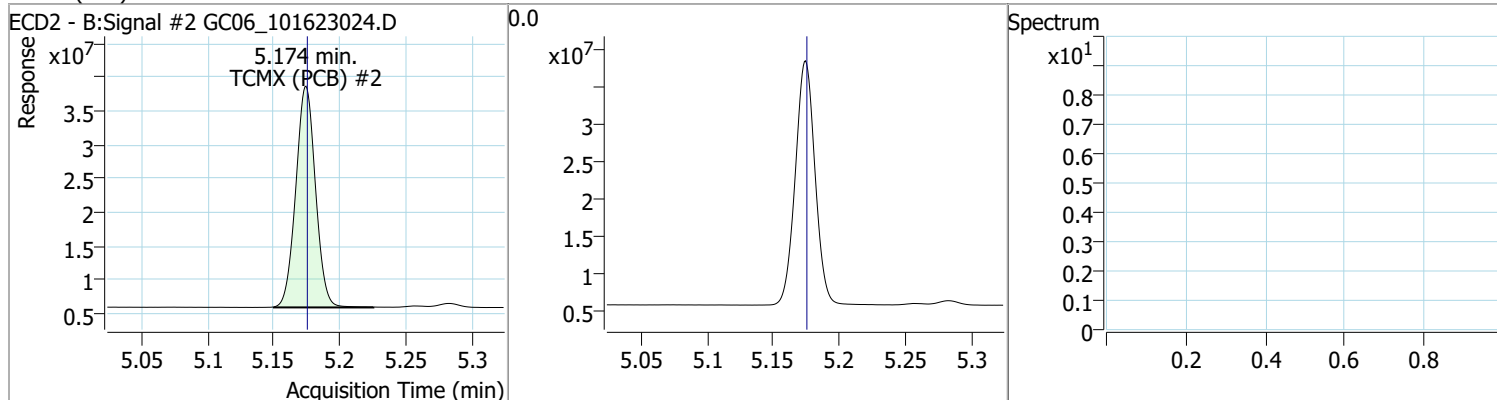
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

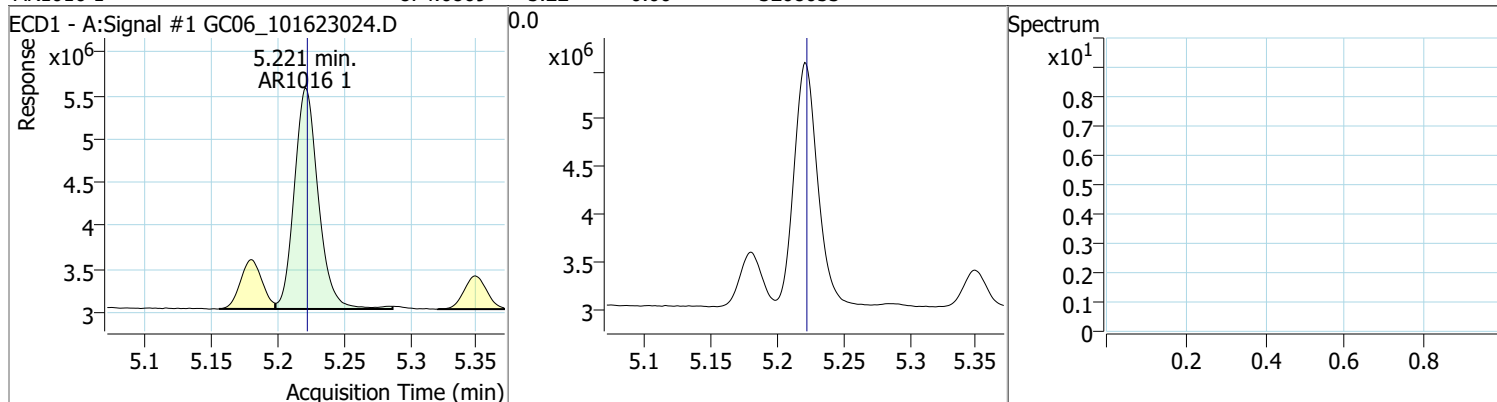
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	70.1642	4.87	0.00	11804844				



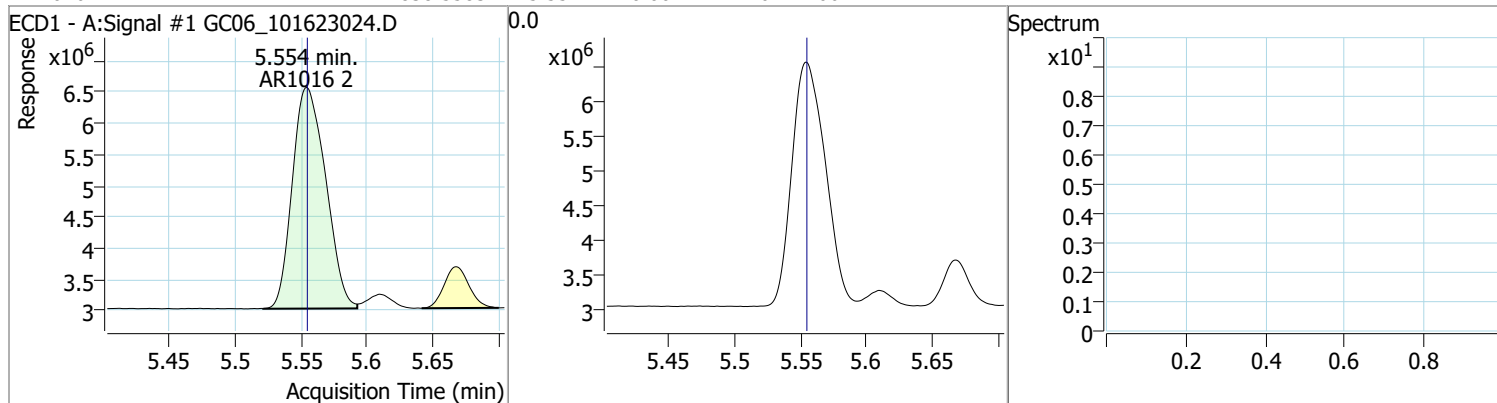
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	73.9118	5.17	0.00	33998519				



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

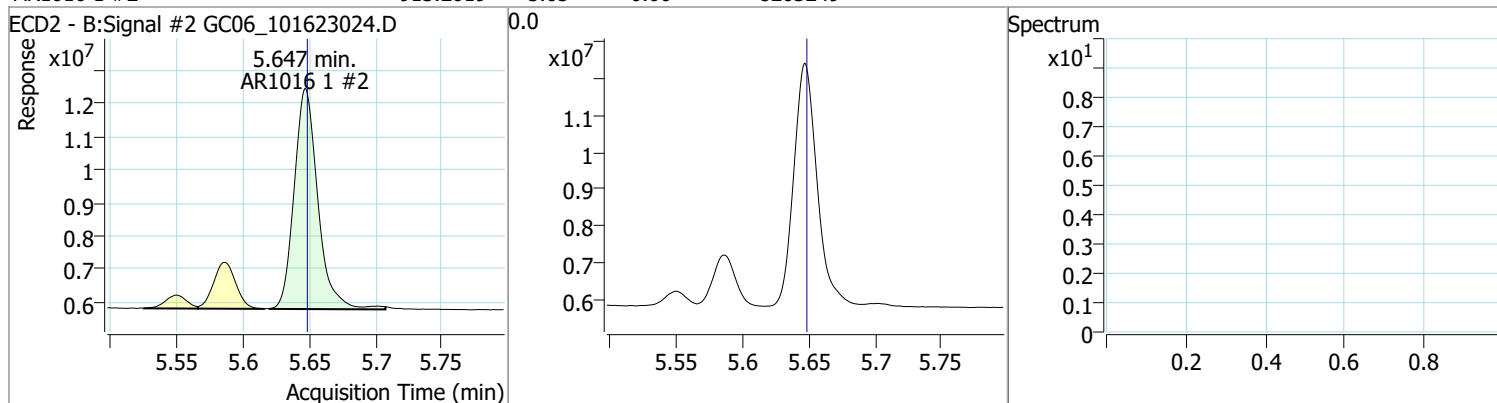


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	838.5583	5.55	0.00	6177166				

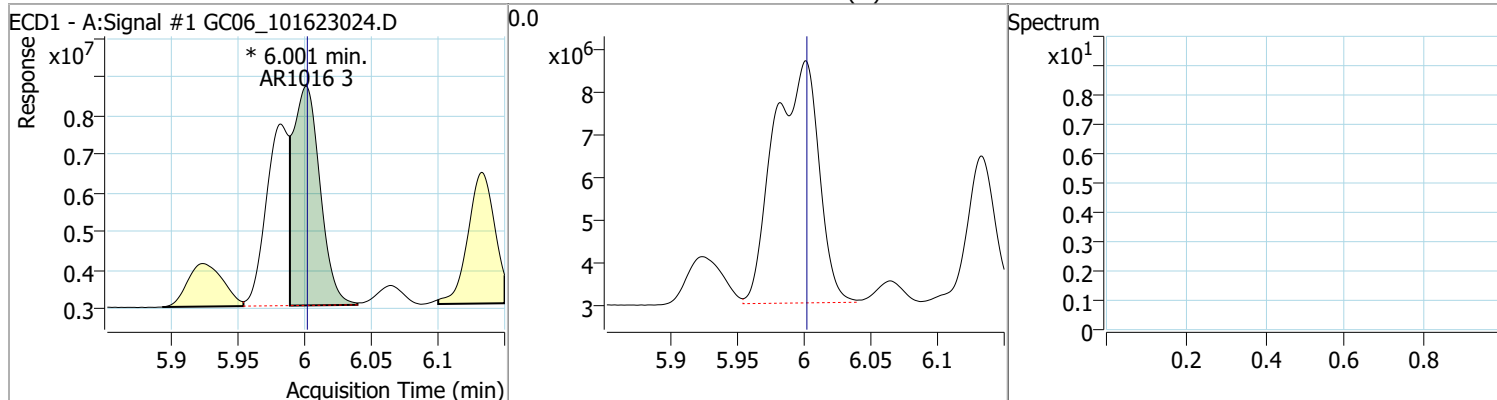


Quantitation Results Report (Not Reviewed)

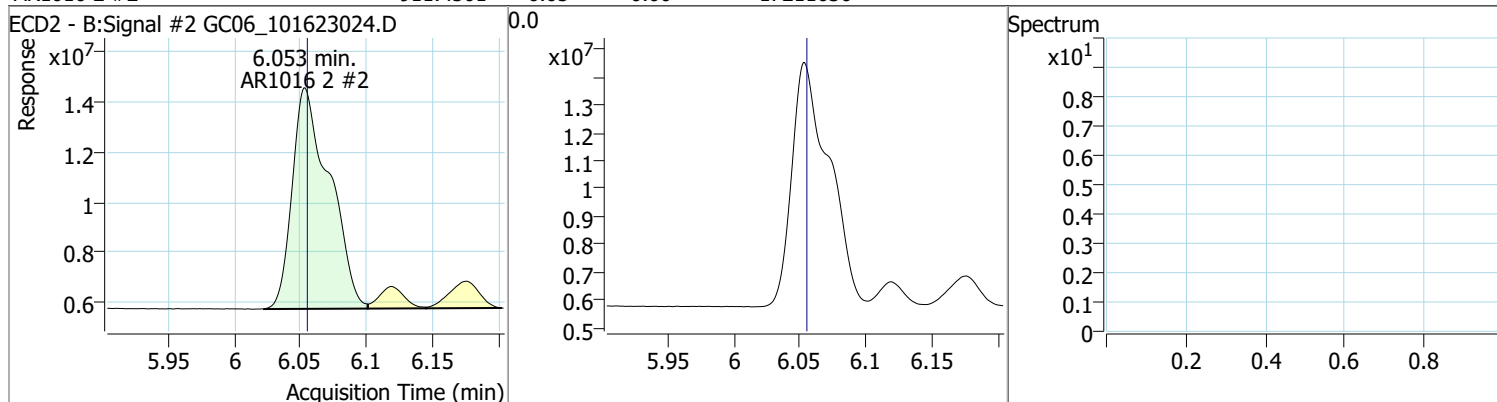
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	913.2019	5.65	0.00	8263249				



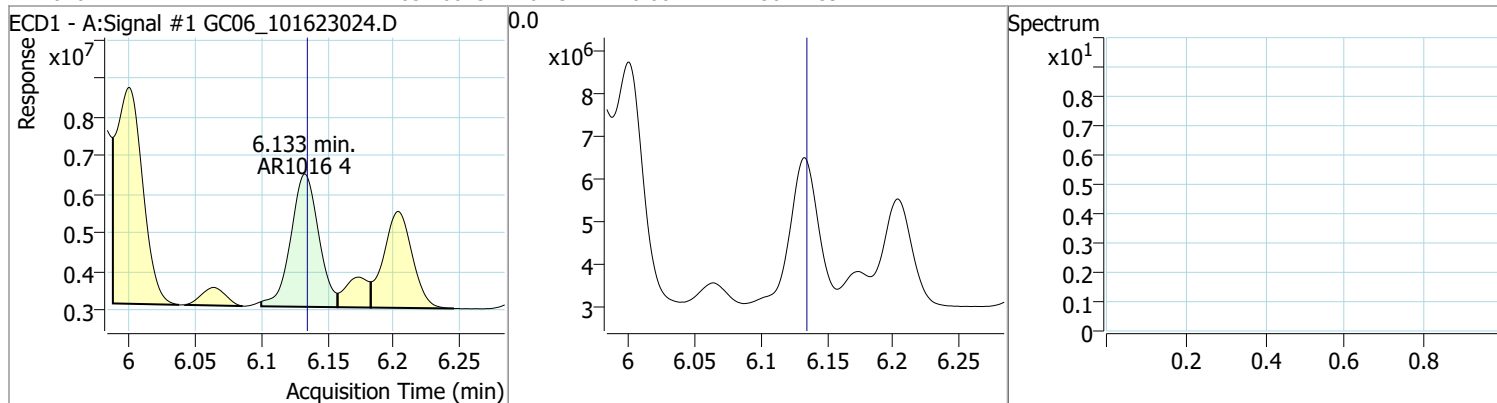
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	843.4553	6.00	0.00	7942279 (m)				



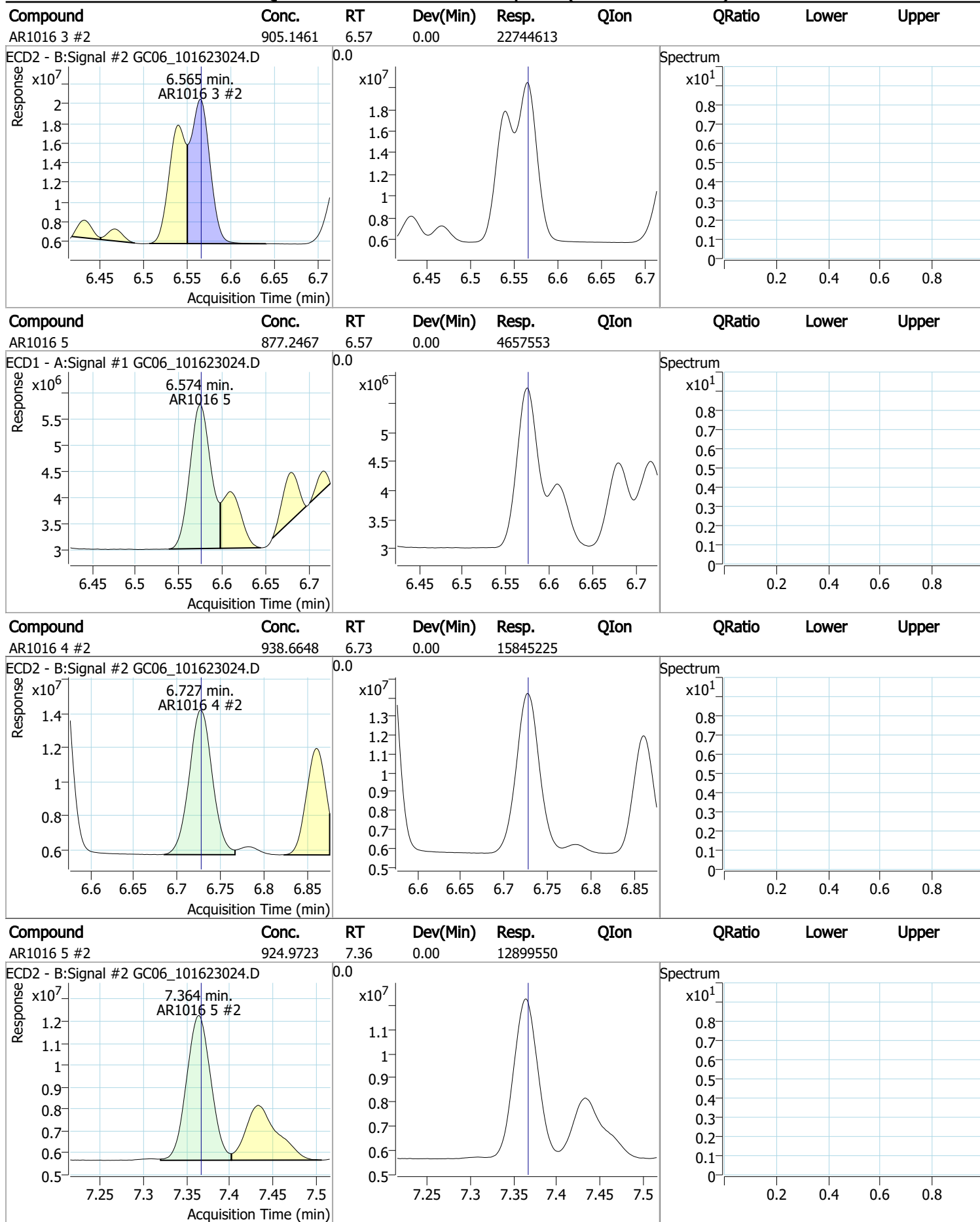
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	911.4501	6.05	0.00	17211636				



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

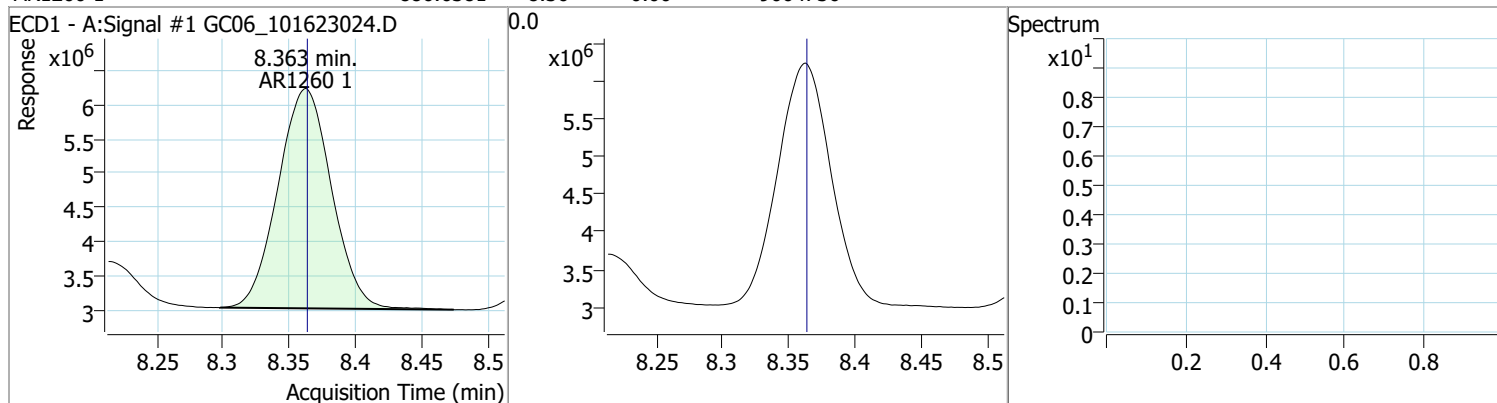


Quantitation Results Report (Not Reviewed)

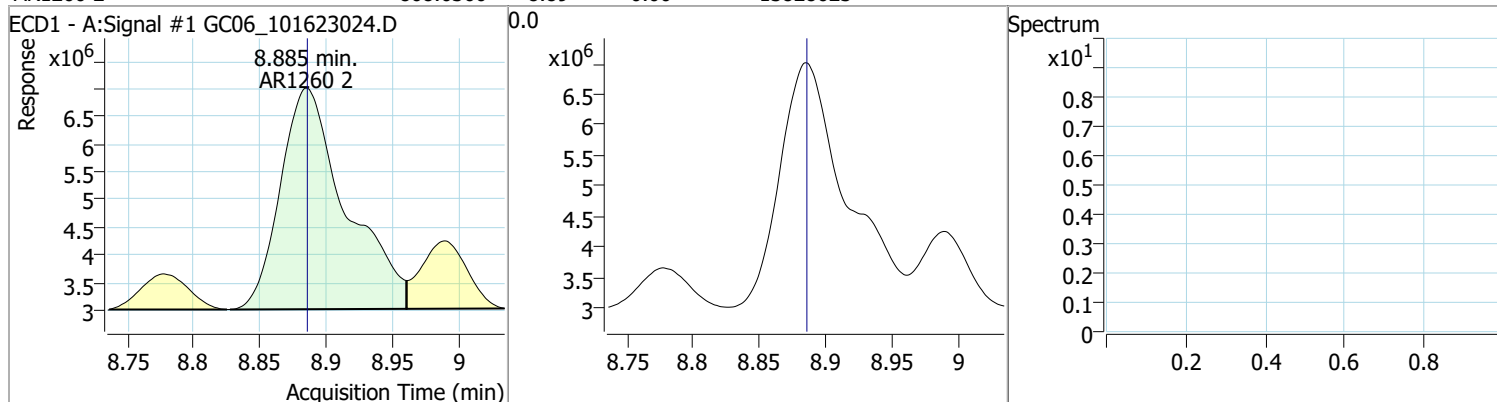


Quantitation Results Report (Not Reviewed)

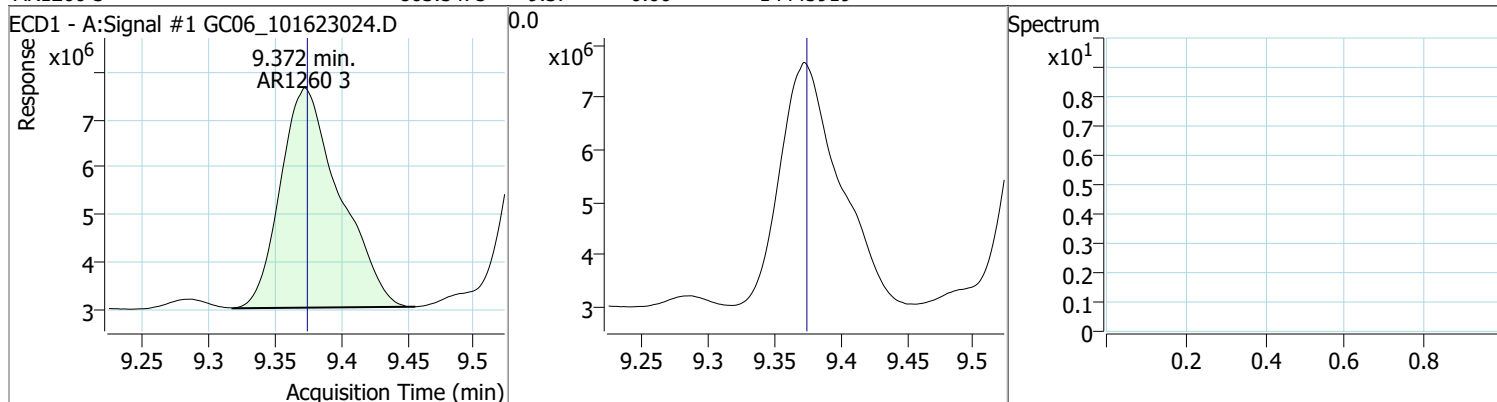
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	886.6381	8.36	0.00	9064736				



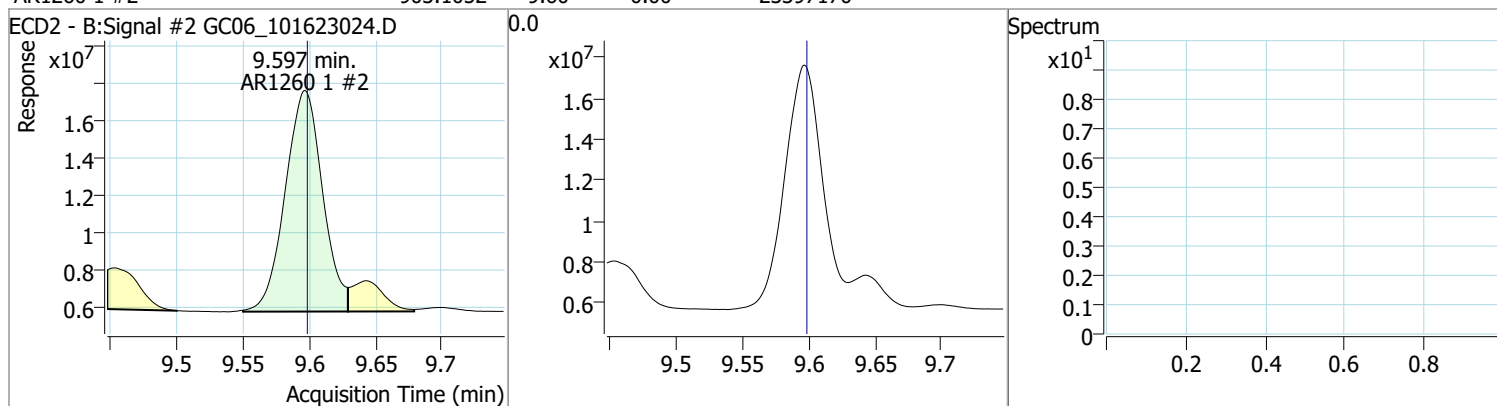
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	868.0360	8.89	0.00	13828623				



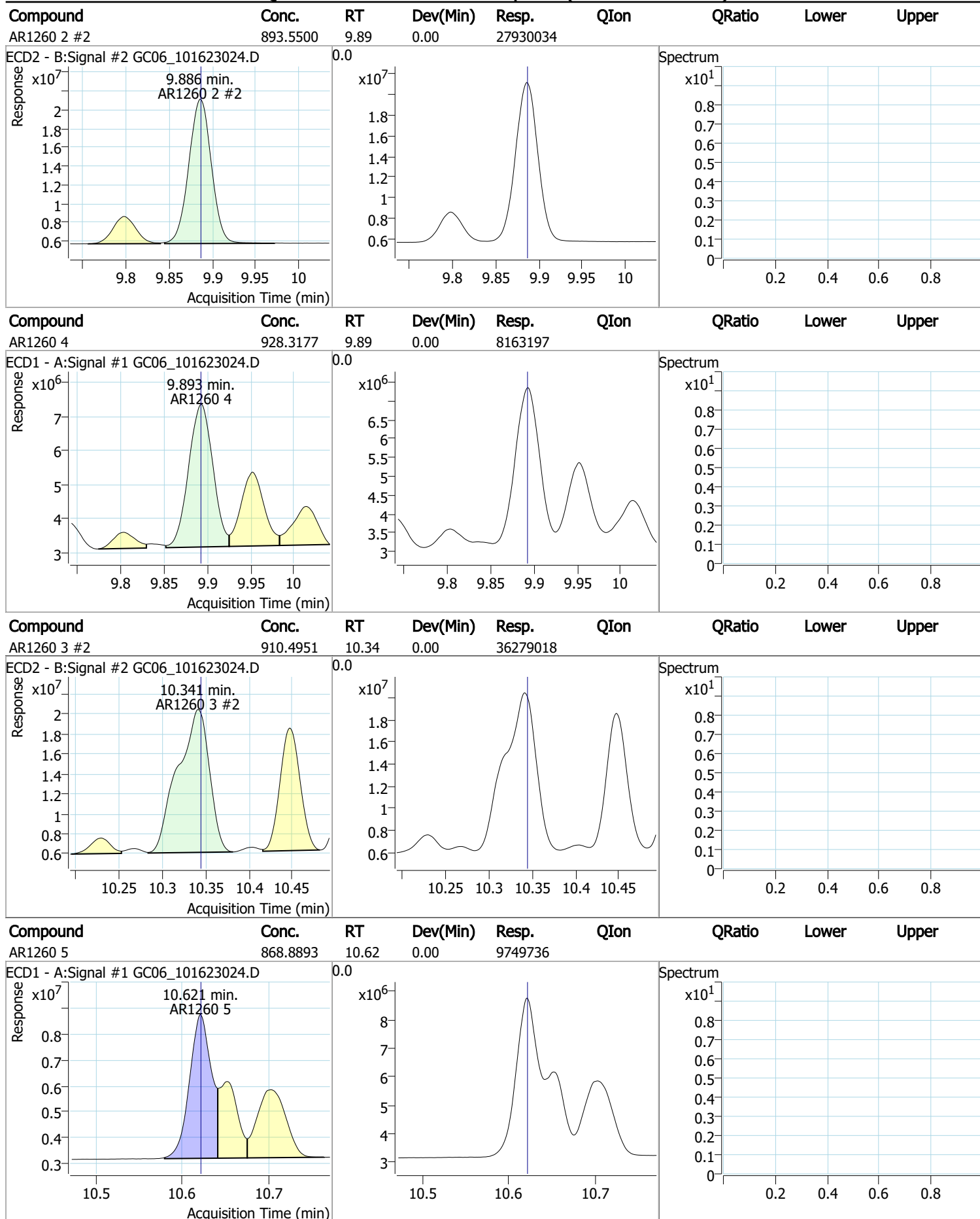
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	863.5475	9.37	0.00	14445919				



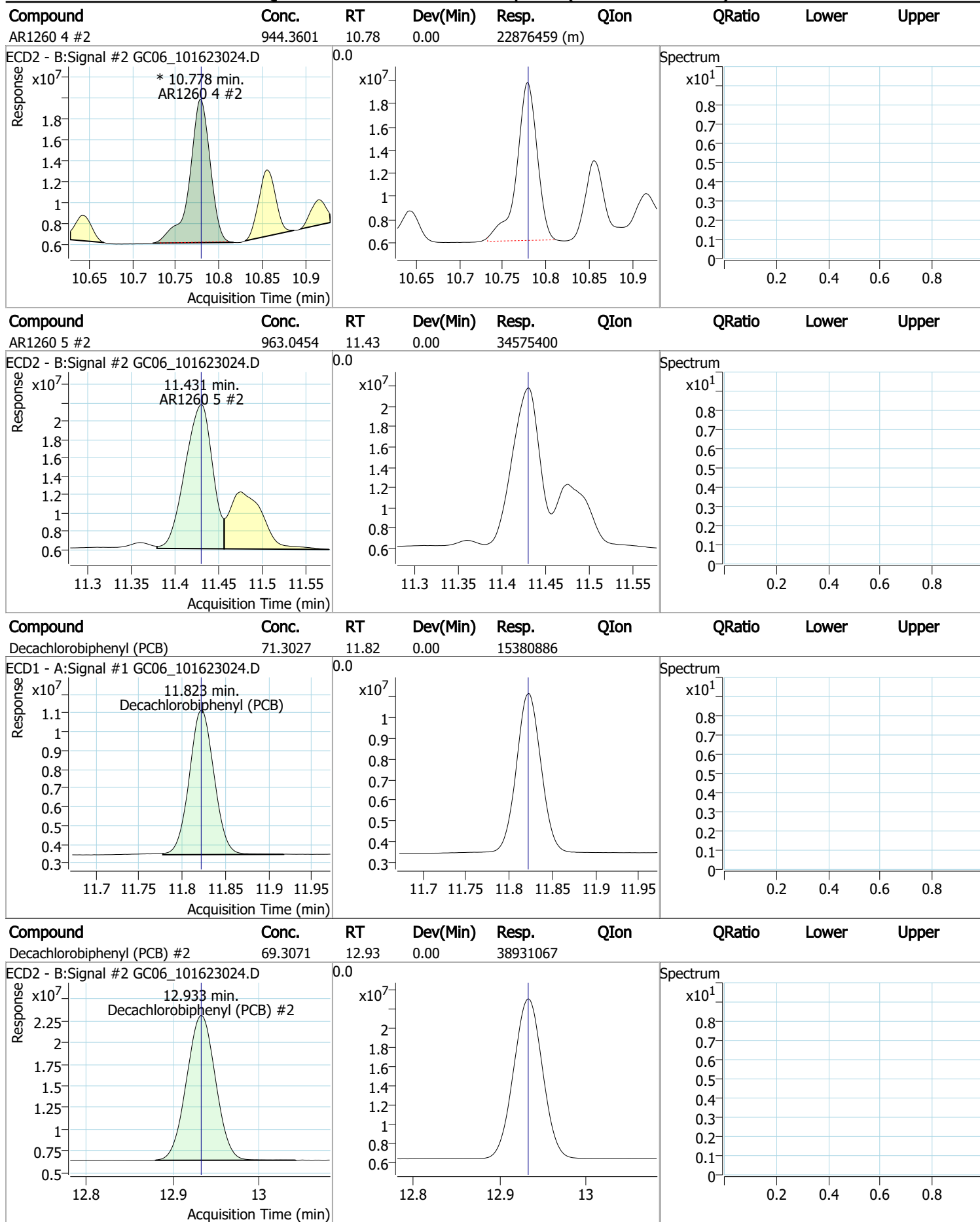
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	903.1052	9.60	0.00	23397170				



Quantitation Results Report (Not Reviewed)



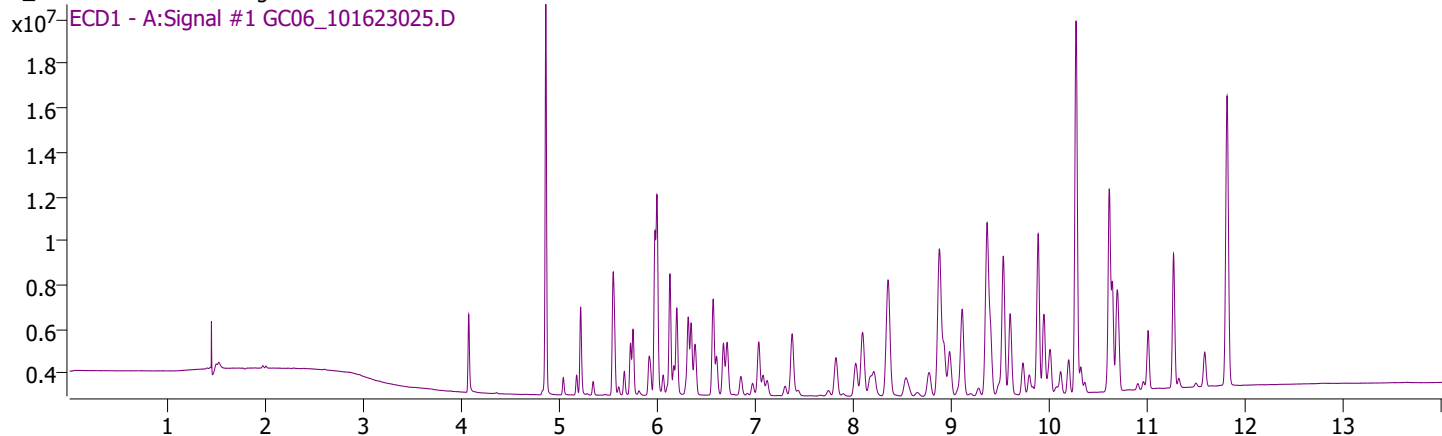
Quantitation Results Report (Not Reviewed)



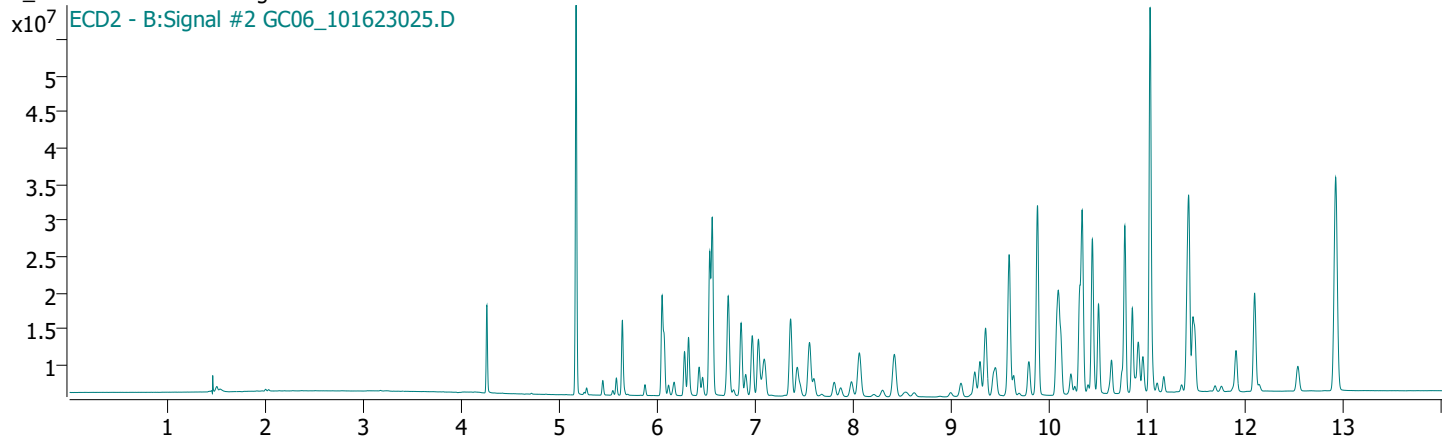
Quantitation Results Report (Not Reviewed)

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

GC06_101623025.D No MS Signals



GC06_101623025.D No MS Signals



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

Target Compounds

QValue

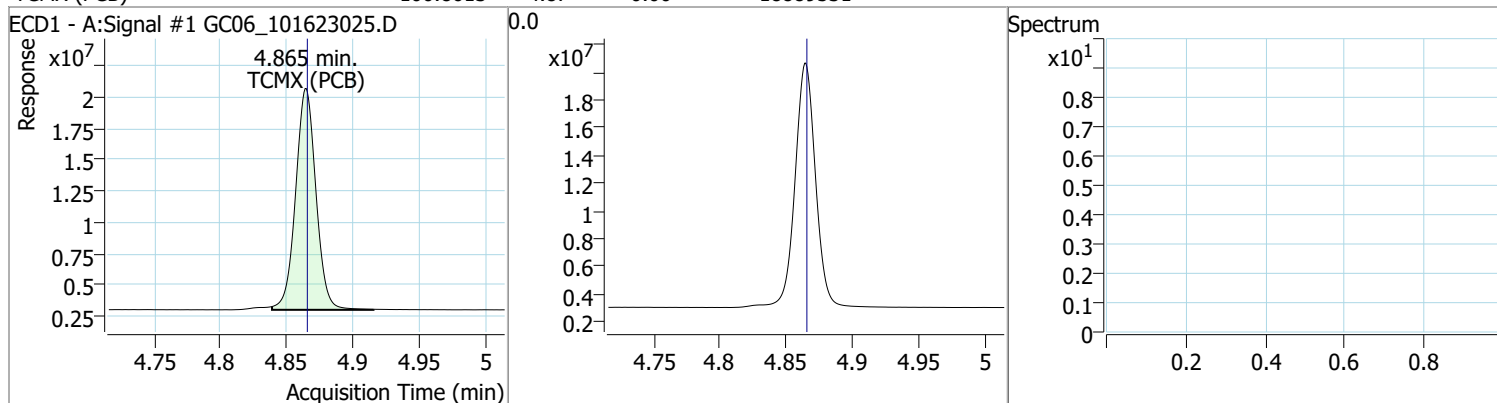
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.220	0.0	4991435.73 1	1221.7617	ng/ml	100
T AR1016 2	5.553	0.0	9694078.21 9	1182.2204	ng/ml	100
T AR1016 1 #2	5.647	0.0	12998941.0 02	1279.9751	ng/ml	100
T AR1016 3	5.999	0.0	13010271.0 41	1241.2270	ng/ml m	100
T AR1016 2 #2	6.053	0.0	27518656.5 37	1298.4211	ng/ml	100
T AR1016 4	6.132	0.0	7908112.57 4	1204.1148	ng/ml	100
T AR1016 3 #2	6.564	0.0	36983724.5 94	1311.3795	ng/ml	100
T AR1016 5	6.574	0.0	7361010.49 3	1245.5159	ng/ml	100
T AR1016 4 #2	6.728	0.0	25515362.5 30	1346.7639	ng/ml	100
T AR1016 5 #2	7.365	0.0	20861970.8 73	1332.8679	ng/ml	100
T AR1260 1	8.360	0.0	14206952.1 99	1248.3605	ng/ml	100
T AR1260 2	8.884	0.0	22152742.2 78	1249.2065	ng/ml	100
T AR1260 3	9.372	0.0	23530030.3 25	1263.6054	ng/ml	100
T AR1260 1 #2	9.597	0.0	38489220.8 78	1323.7066	ng/ml	100
T AR1260 2 #2	9.886	0.0	46551606.0 96	1326.9657	ng/ml	100
T AR1260 4	9.893	0.0	13289458.3 86	1357.6616	ng/ml	100
T AR1260 3 #2	10.343	0.0	61619653.5 93	1377.9040	ng/ml	100
T AR1260 5	10.619	0.0	16717409.0 90	1338.4078	ng/ml	100
T AR1260 4 #2	10.778	0.0	39244461.7 00	1443.4602	ng/ml m	100
T AR1260 5 #2	11.430	0.0	58791941.0 08	1459.0661	ng/ml	100

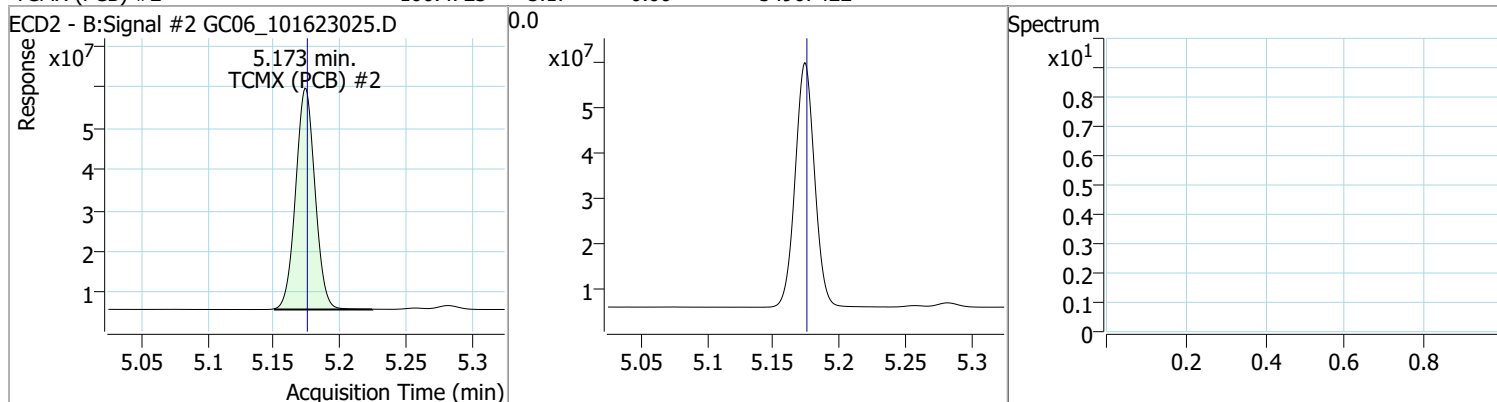
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

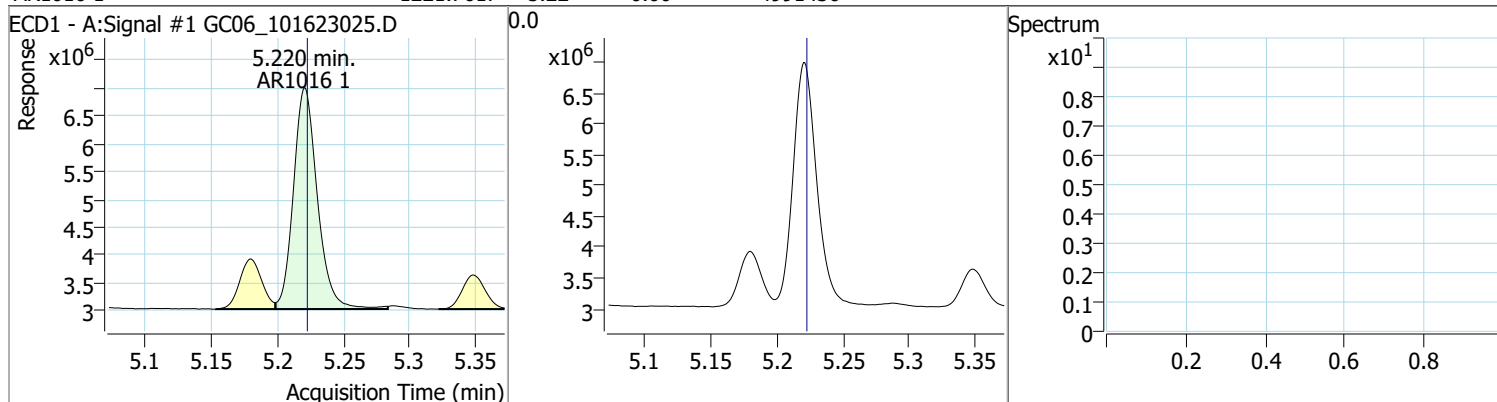
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	100.8613	4.87	0.00	18889531				



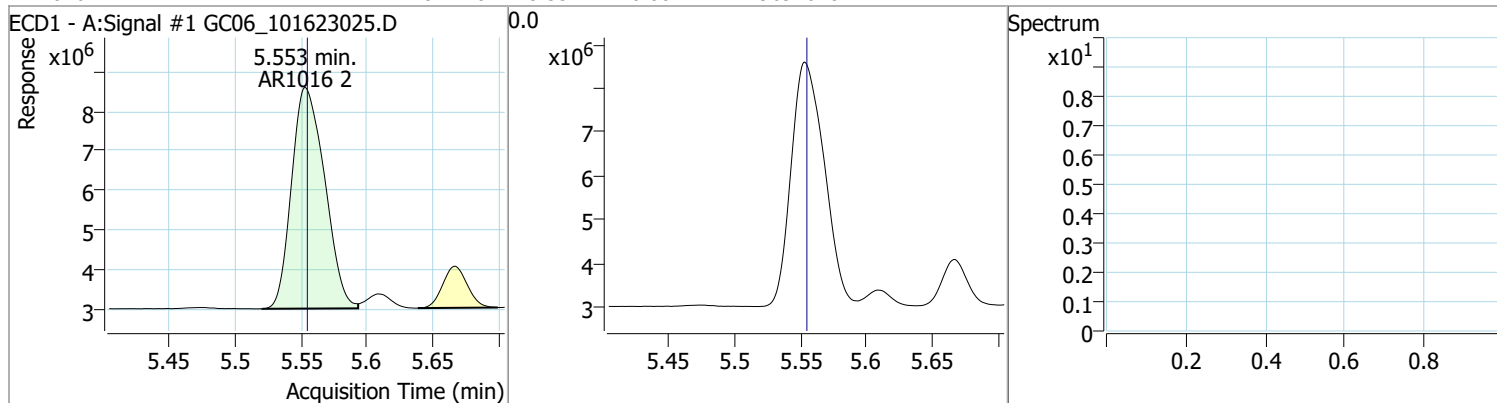
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	106.4723	5.17	0.00	54967422				



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

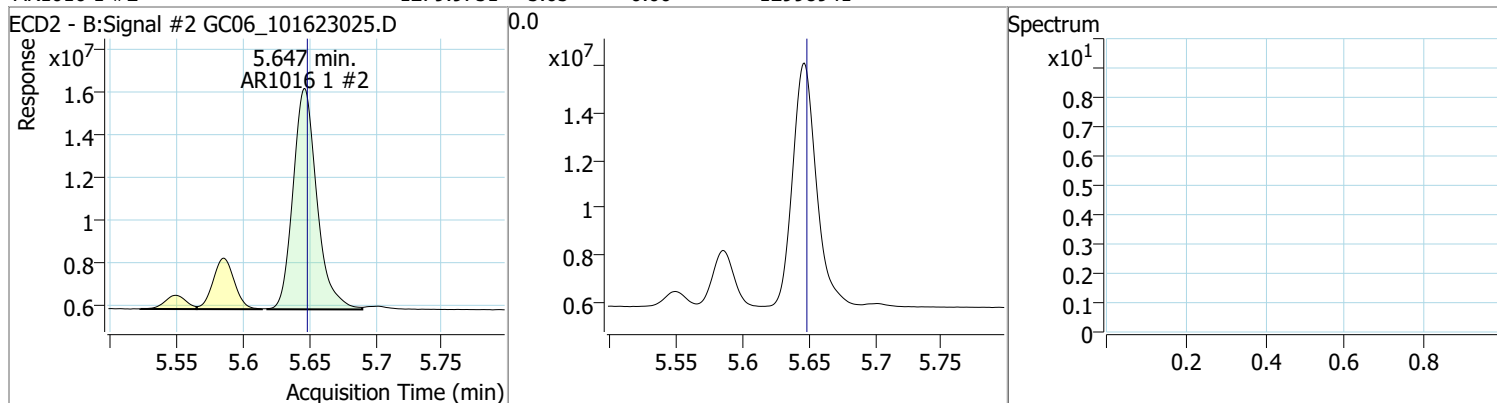


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1182.2204	5.55	0.00	9694078				

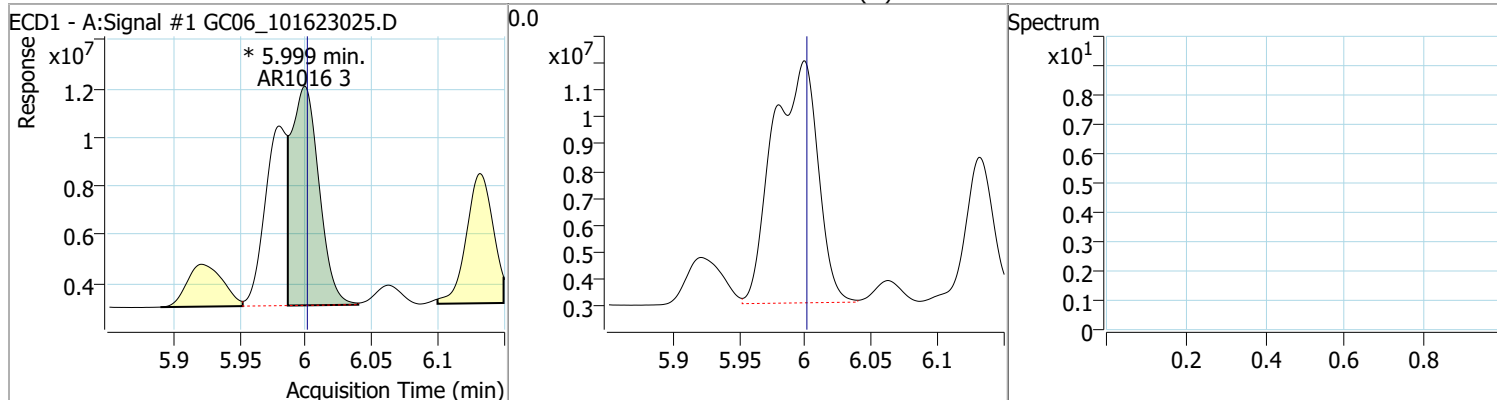


Quantitation Results Report (Not Reviewed)

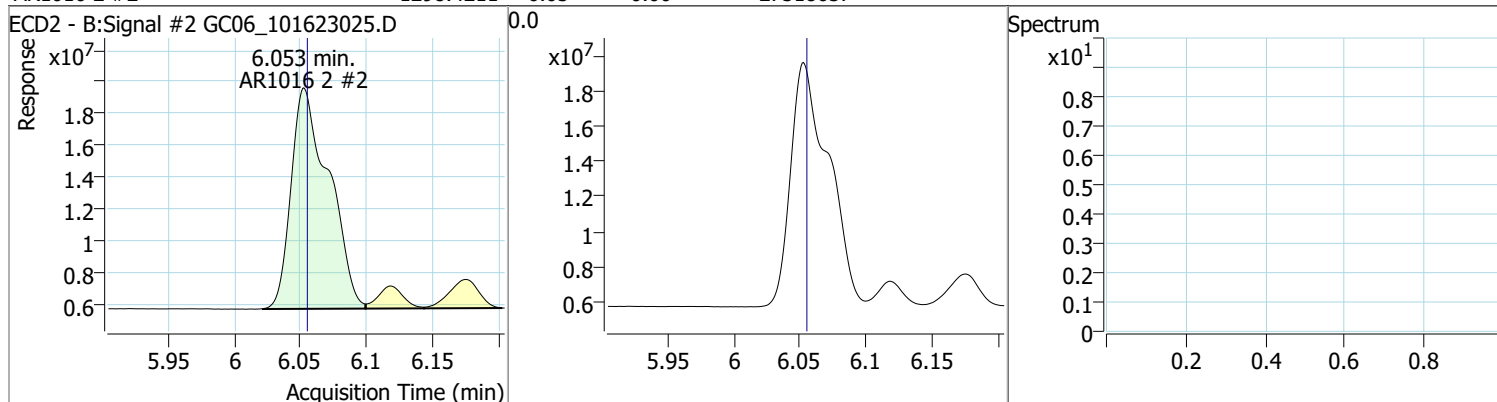
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1279.9751	5.65	0.00	12998941				



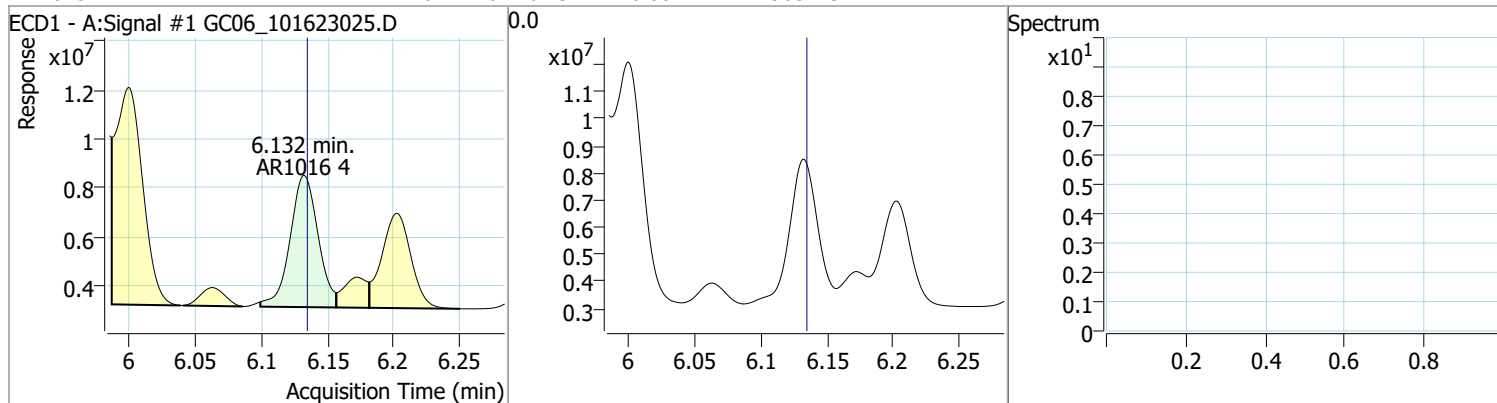
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1241.2270	6.00	0.00	13010271 (m)				



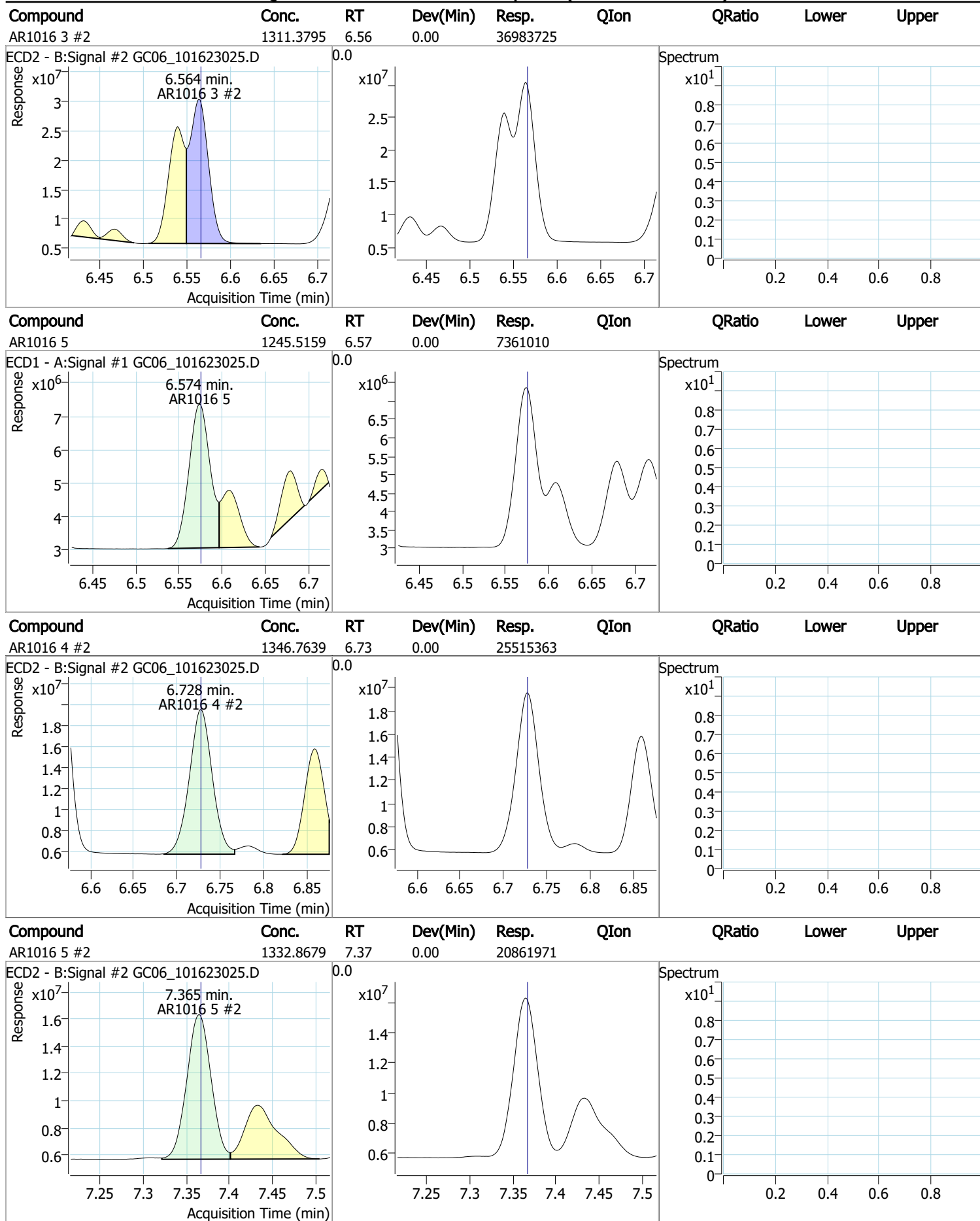
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1298.4211	6.05	0.00	27518657				



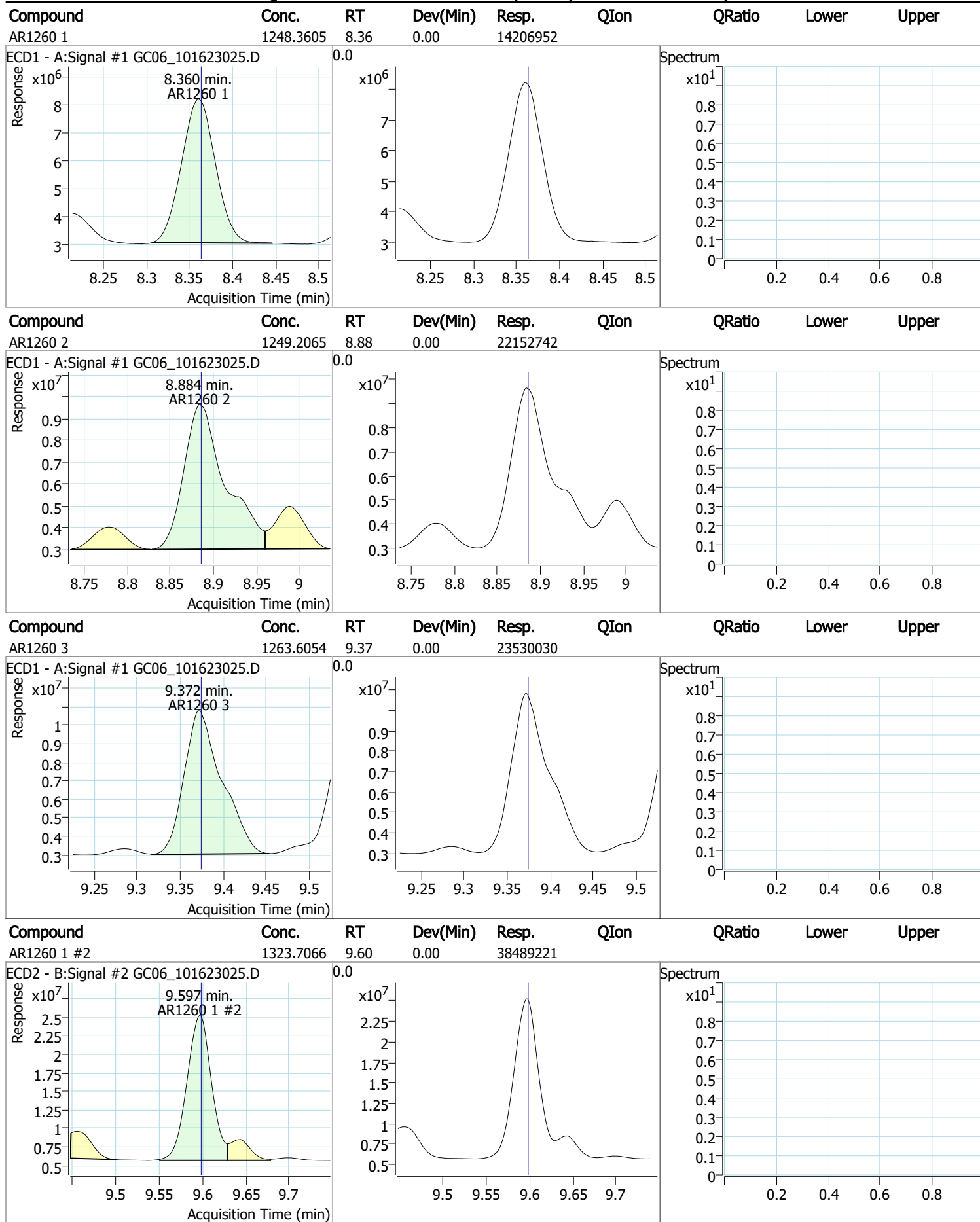
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1204.1148	6.13	0.00	7908113				



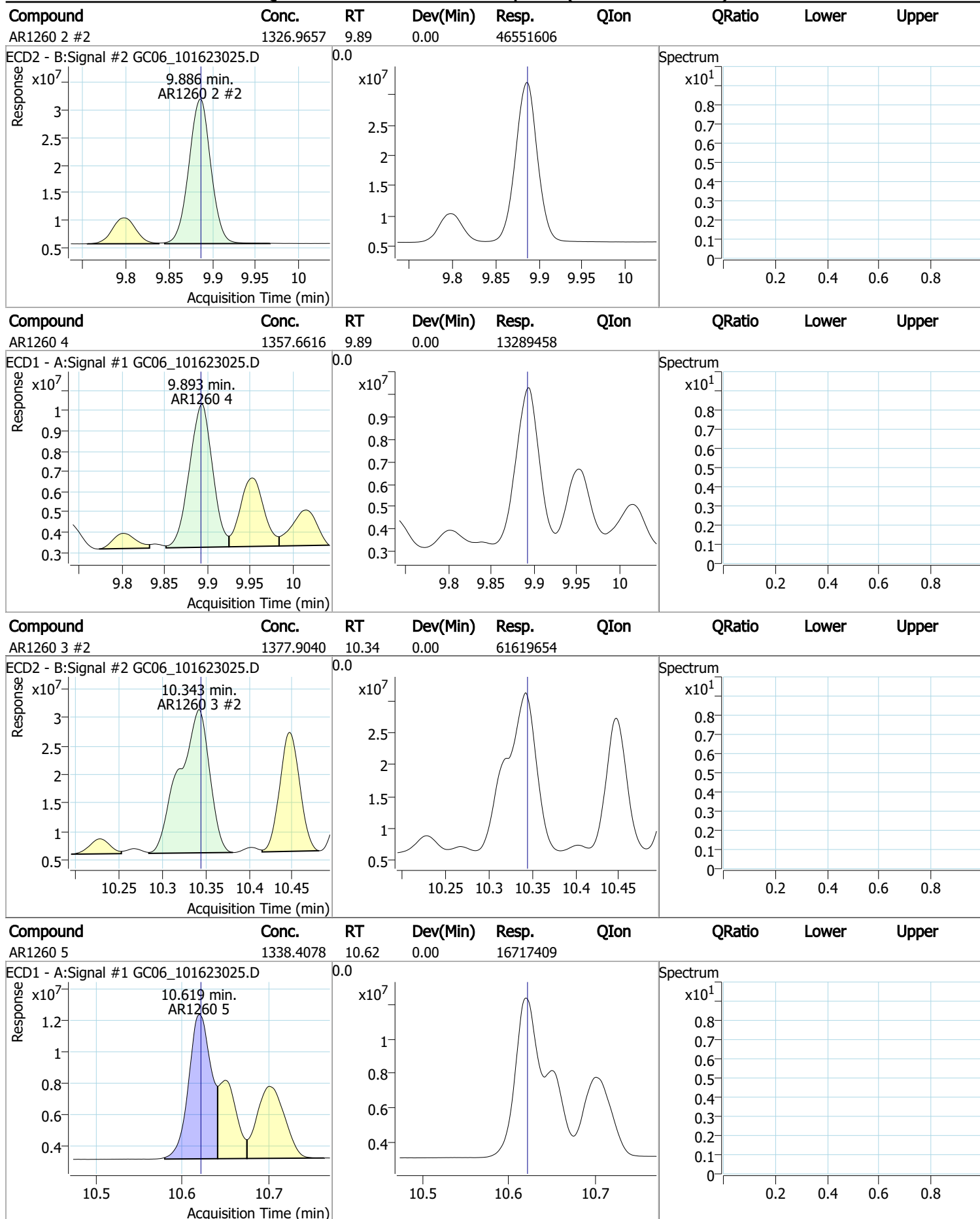
Quantitation Results Report (Not Reviewed)



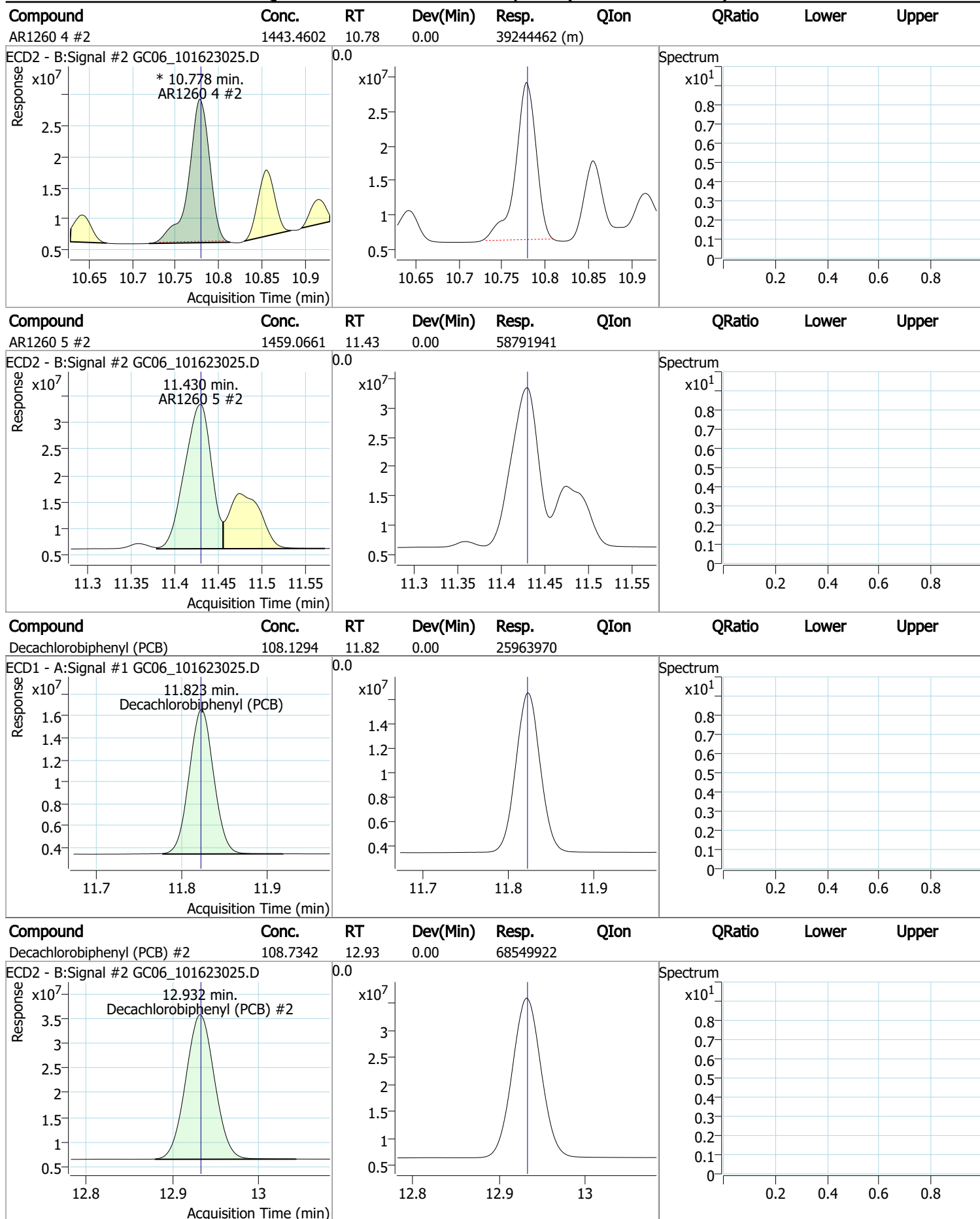
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



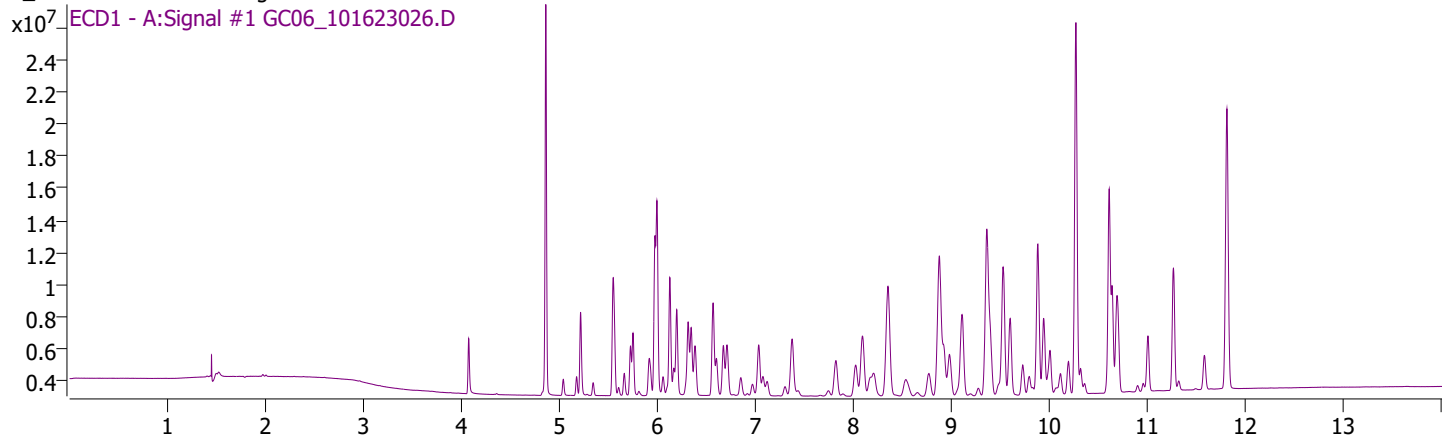
Quantitation Results Report (Not Reviewed)



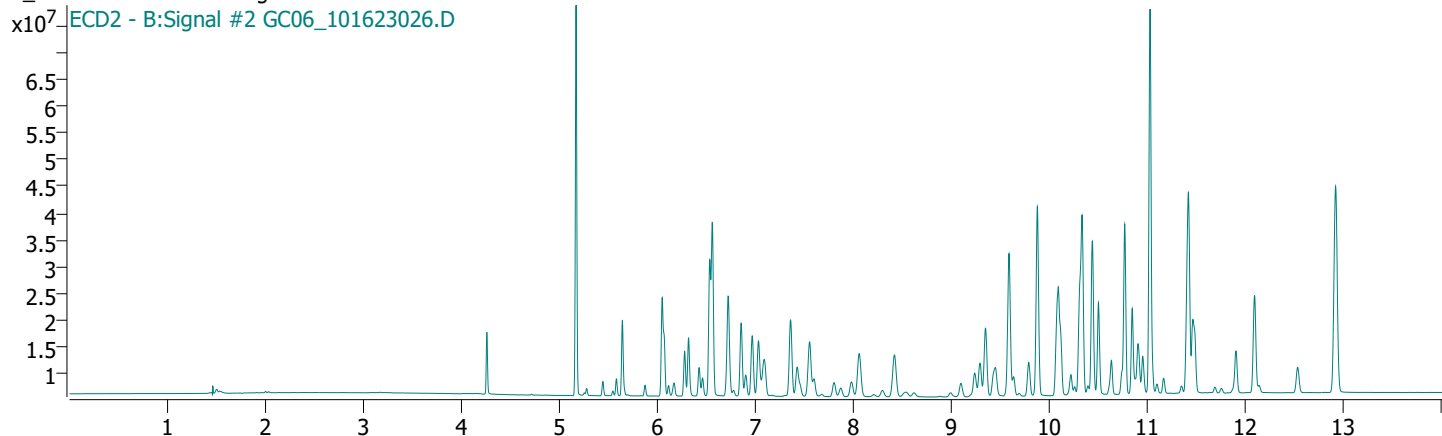
Quantitation Results Report (Not Reviewed)

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

GC06_101623026.D No MS Signals



GC06_101623026.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.077	0.0	3759729.49 5	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	10864418.0 77	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.864	0.0	25773177.4 79	137.7787	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 688.89%	*	
S TCMX (PCB) #2	5.173	0.0	75810608.5 59	148.4449	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 742.22%	*	
S Decachlorobiphenyl (PCB)	11.822	0.0	34101940.6 51	142.1878	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 710.94%	*	
S Decachlorobiphenyl (PCB) #2	12.932	0.0	90752207.6 06	145.5192	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 727.60%	*	

Target Compounds

QValue

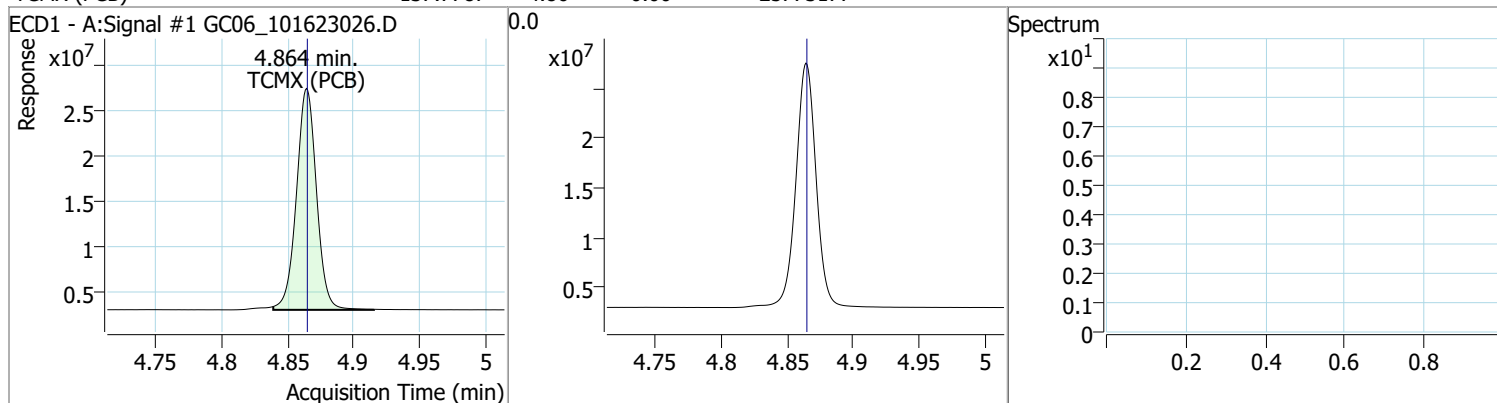
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.219	0.0	6536430.72 4	1601.8146	ng/ml	100
T AR1016 2	5.553	0.0	12752951.7 64	1557.0882	ng/ml	100
T AR1016 1 #2	5.646	0.0	17493130.0 95	1741.2648	ng/ml	100
T AR1016 3	5.999	0.0	17101033.0 54	1633.4196	ng/ml m	100
T AR1016 2 #2	6.053	0.0	36618475.5 71	1746.5955	ng/ml	100
T AR1016 4	6.131	0.0	10423831.5 97	1589.0333	ng/ml	100
T AR1016 3 #2	6.564	0.0	50736187.3 69	1818.6088	ng/ml	100
T AR1016 5	6.573	0.0	9717842.06 5	1646.2365	ng/ml	100
T AR1016 4 #2	6.727	0.0	34044576.7 89	1816.5250	ng/ml	100
T AR1016 5 #2	7.364	0.0	27856849.7 07	1799.1505	ng/ml	100
T AR1260 1	8.359	0.0	19135040.0 19	1683.3679	ng/ml	100
T AR1260 2	8.884	0.0	29256060.4 45	1651.7075	ng/ml	100
T AR1260 3	9.369	0.0	31287994.6 43	1682.1986	ng/ml	100
T AR1260 1 #2	9.596	0.0	51983776.9 28	1807.2746	ng/ml	100
T AR1260 2 #2	9.885	0.0	62874731.5 50	1811.7776	ng/ml	100
T AR1260 4	9.890	0.0	17733874.4 41	1813.8377	ng/ml	100
T AR1260 3 #2	10.342	0.0	84184543.4 21	1902.9868	ng/ml	100
T AR1260 5	10.619	0.0	22762007.0 90	1824.4863	ng/ml	100
T AR1260 4 #2	10.778	0.0	53907732.8 50	2004.3854	ng/ml m	100
T AR1260 5 #2	11.428	0.0	80622117.7 11	2022.6236	ng/ml	100

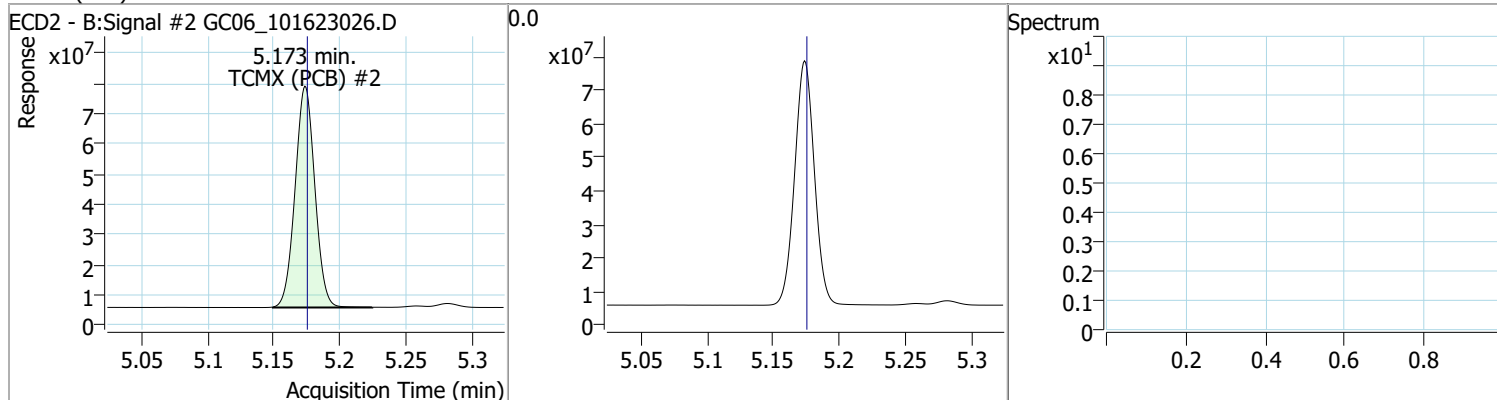
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

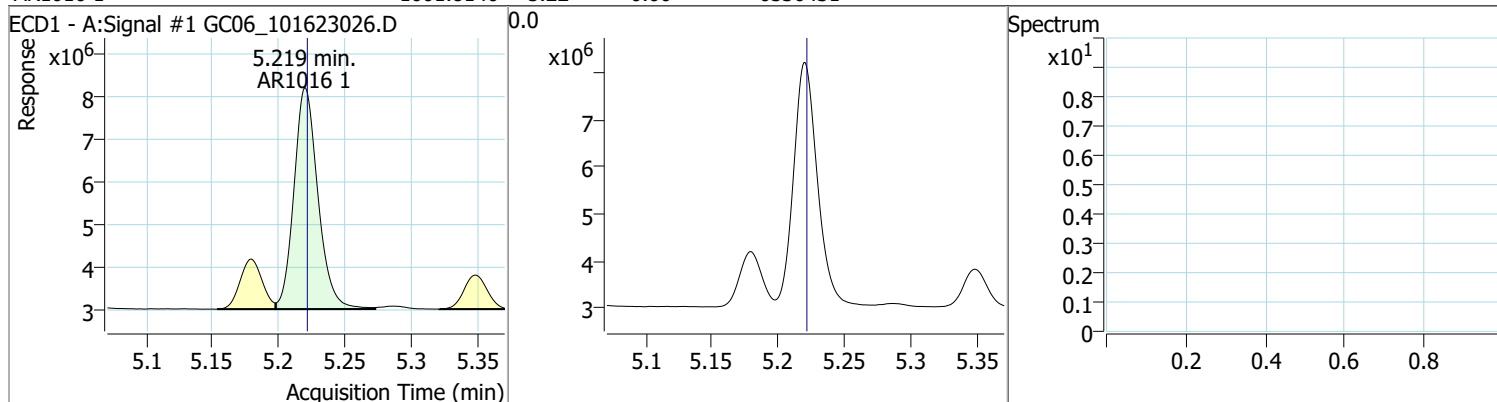
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	137.7787	4.86	0.00	25773177				



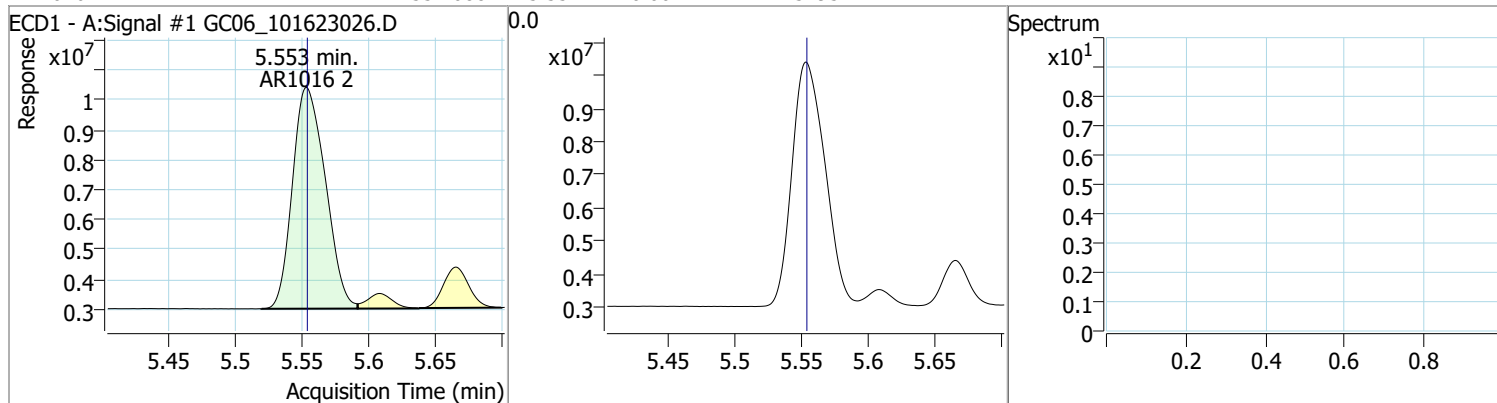
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	148.4449	5.17	0.00	75810609				



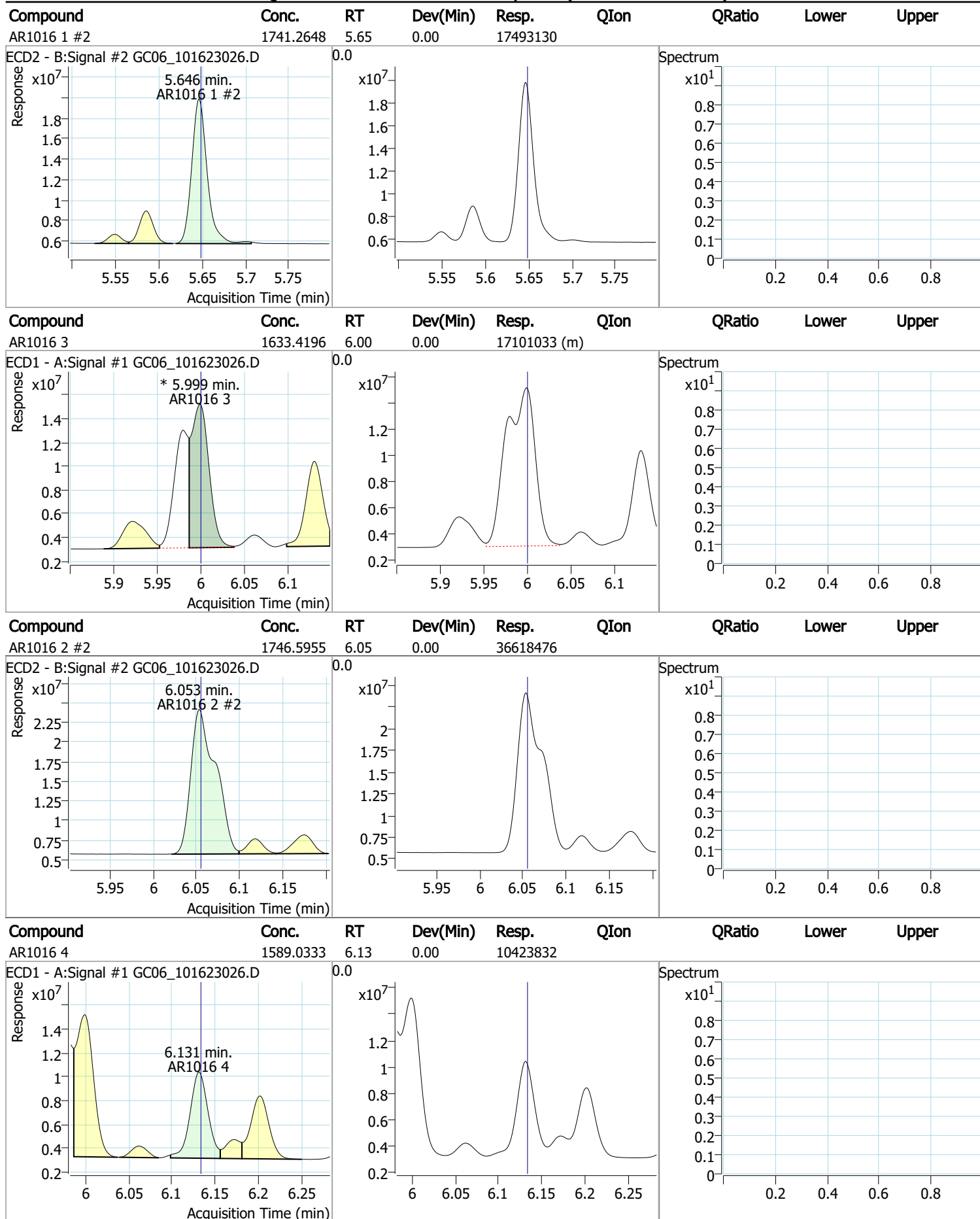
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1601.8146	5.22	0.00	6536431				



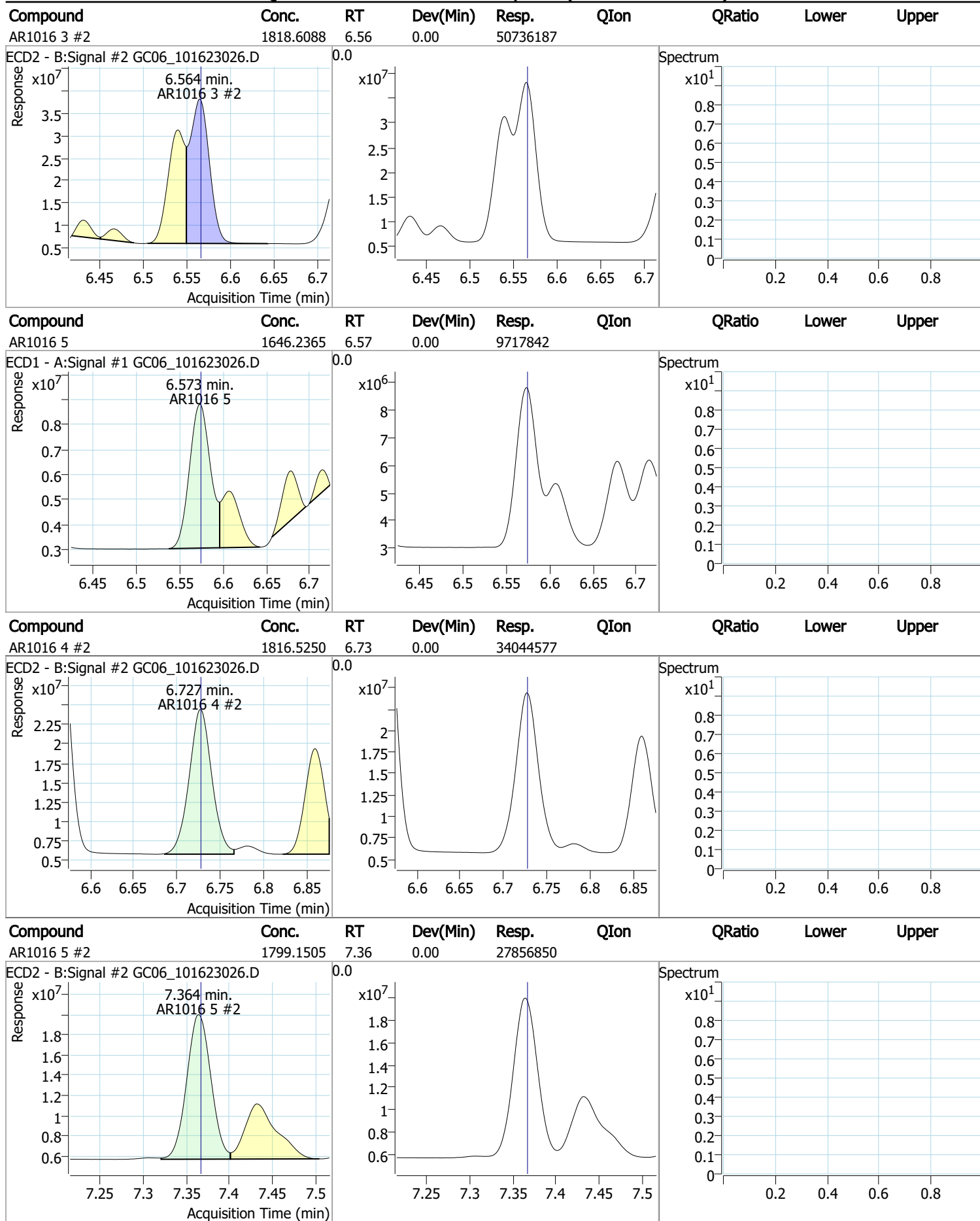
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1557.0882	5.55	0.00	12752952				



Quantitation Results Report (Not Reviewed)

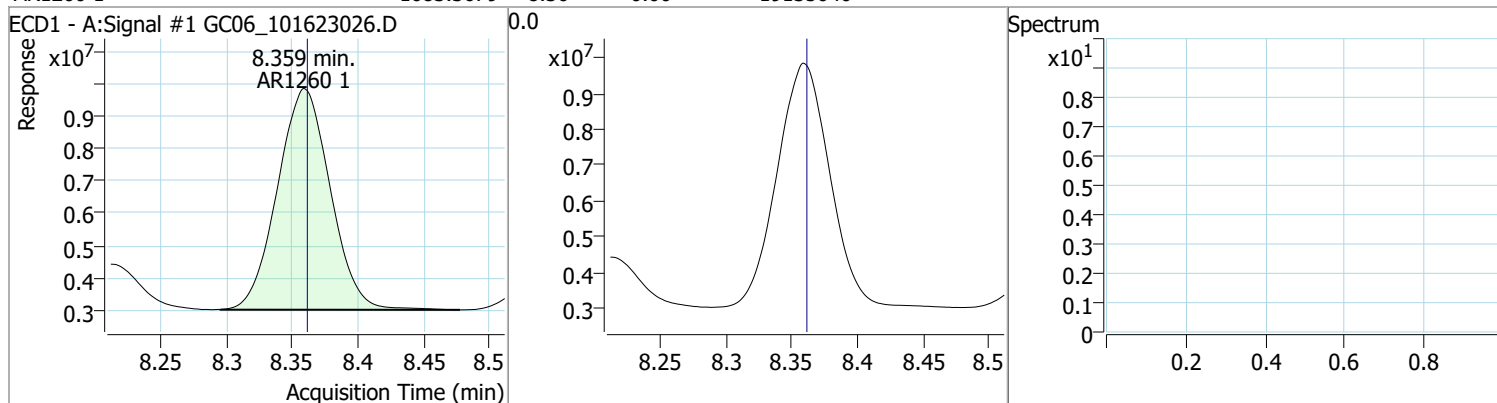


Quantitation Results Report (Not Reviewed)

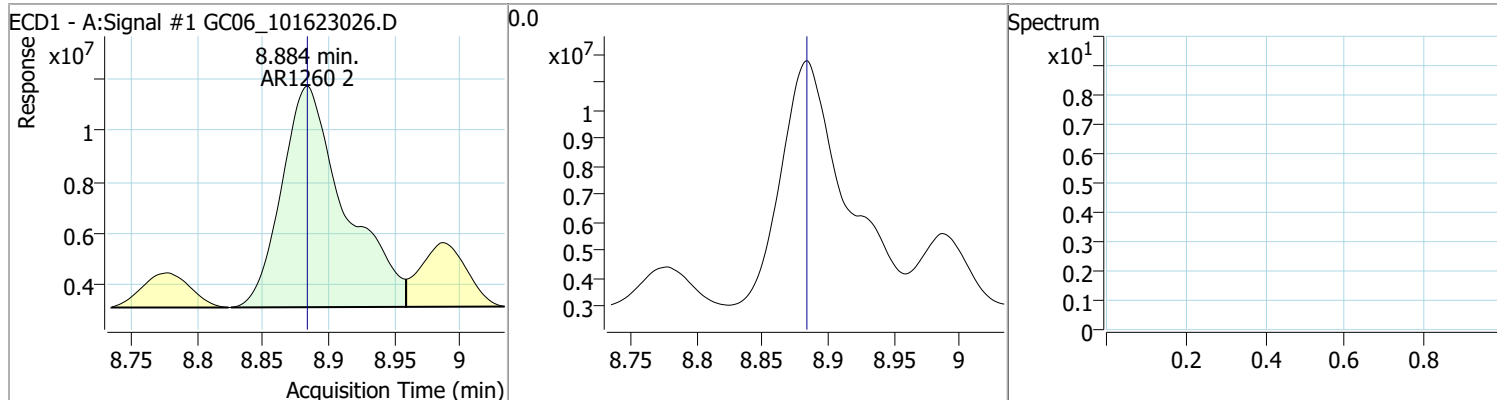


Quantitation Results Report (Not Reviewed)

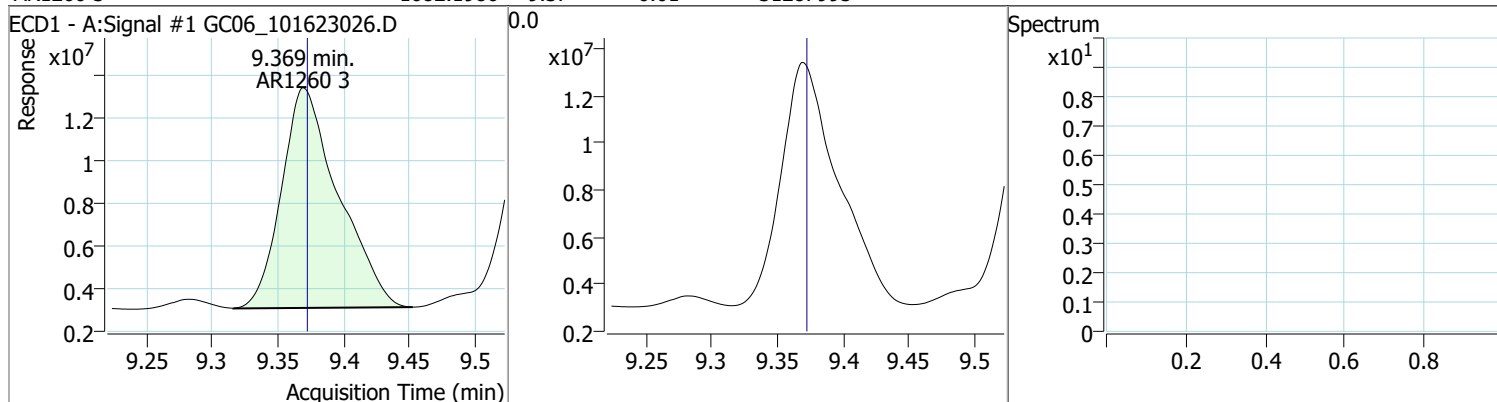
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1683.3679	8.36	0.00	19135040				



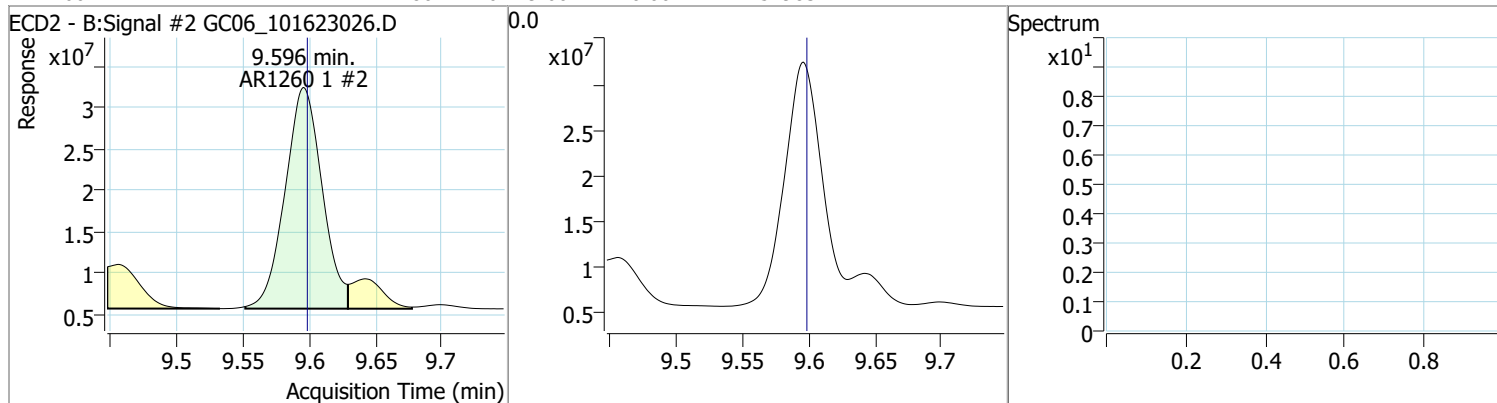
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1651.7075	8.88	0.00	29256060				



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

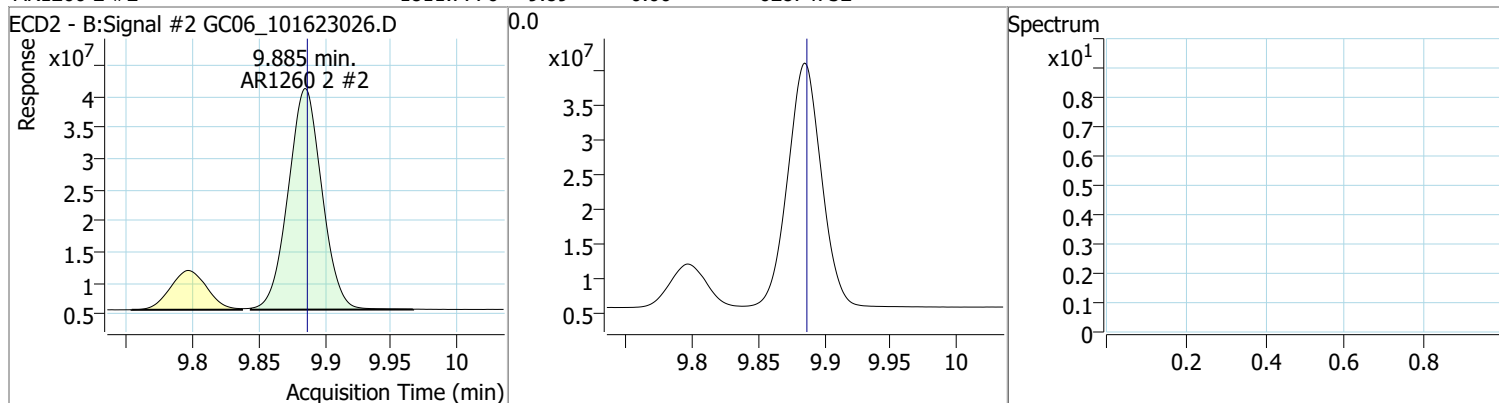


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1807.2746	9.60	0.00	51983777				

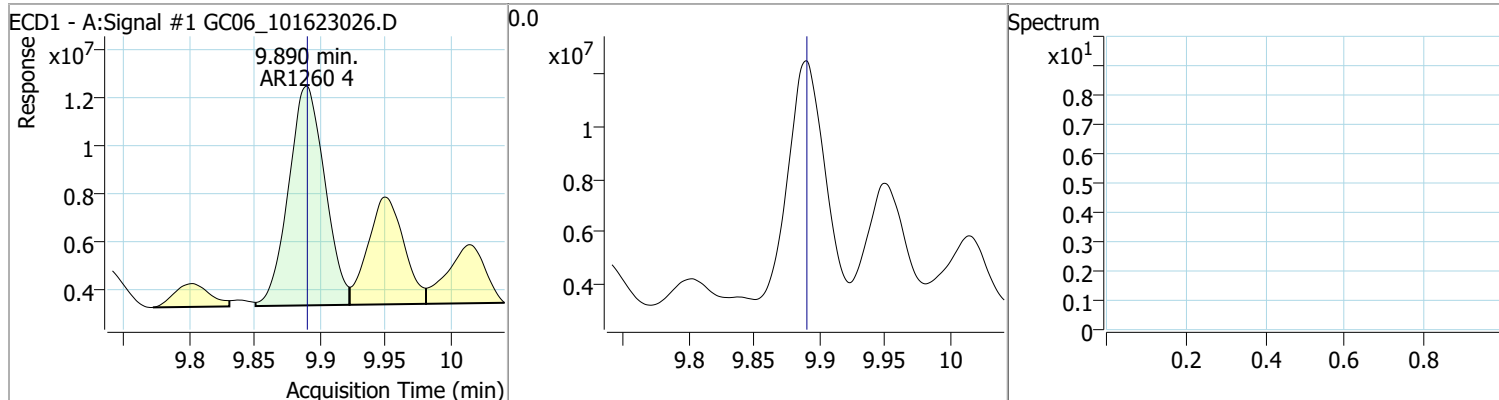


Quantitation Results Report (Not Reviewed)

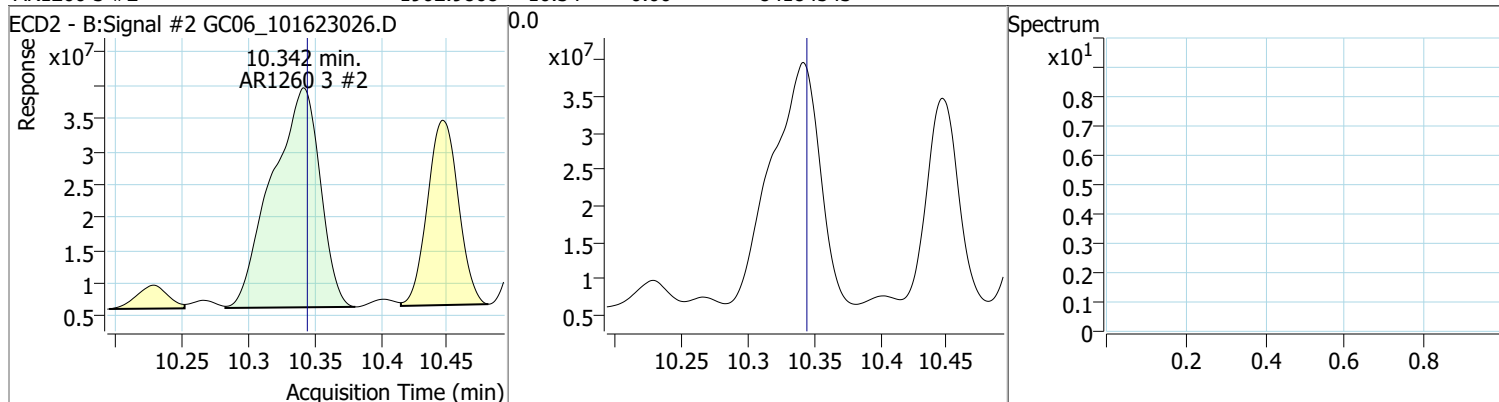
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1811.7776	9.89	0.00	62874732				



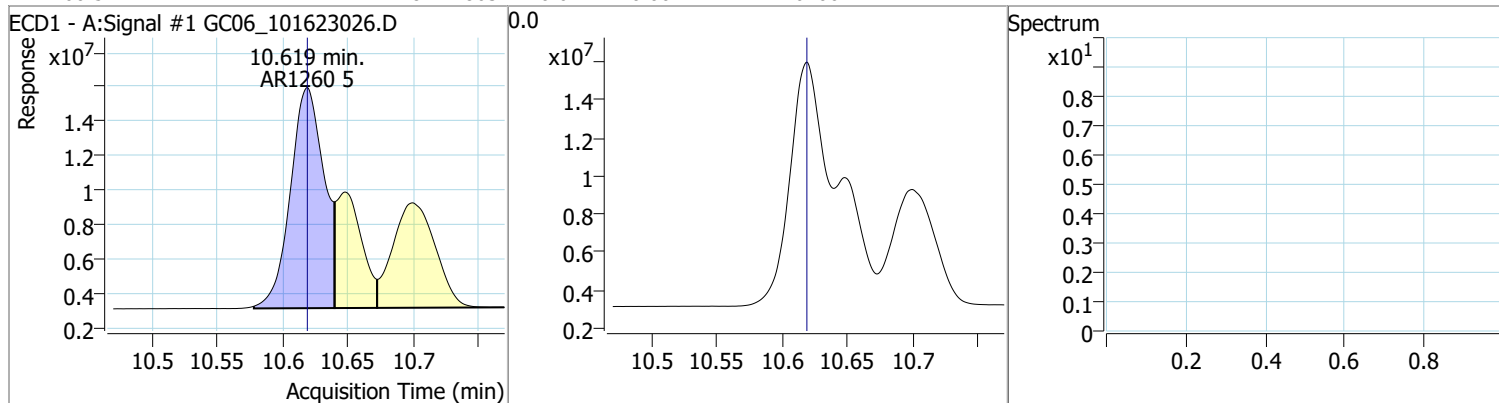
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1813.8377	9.89	0.00	17733874				



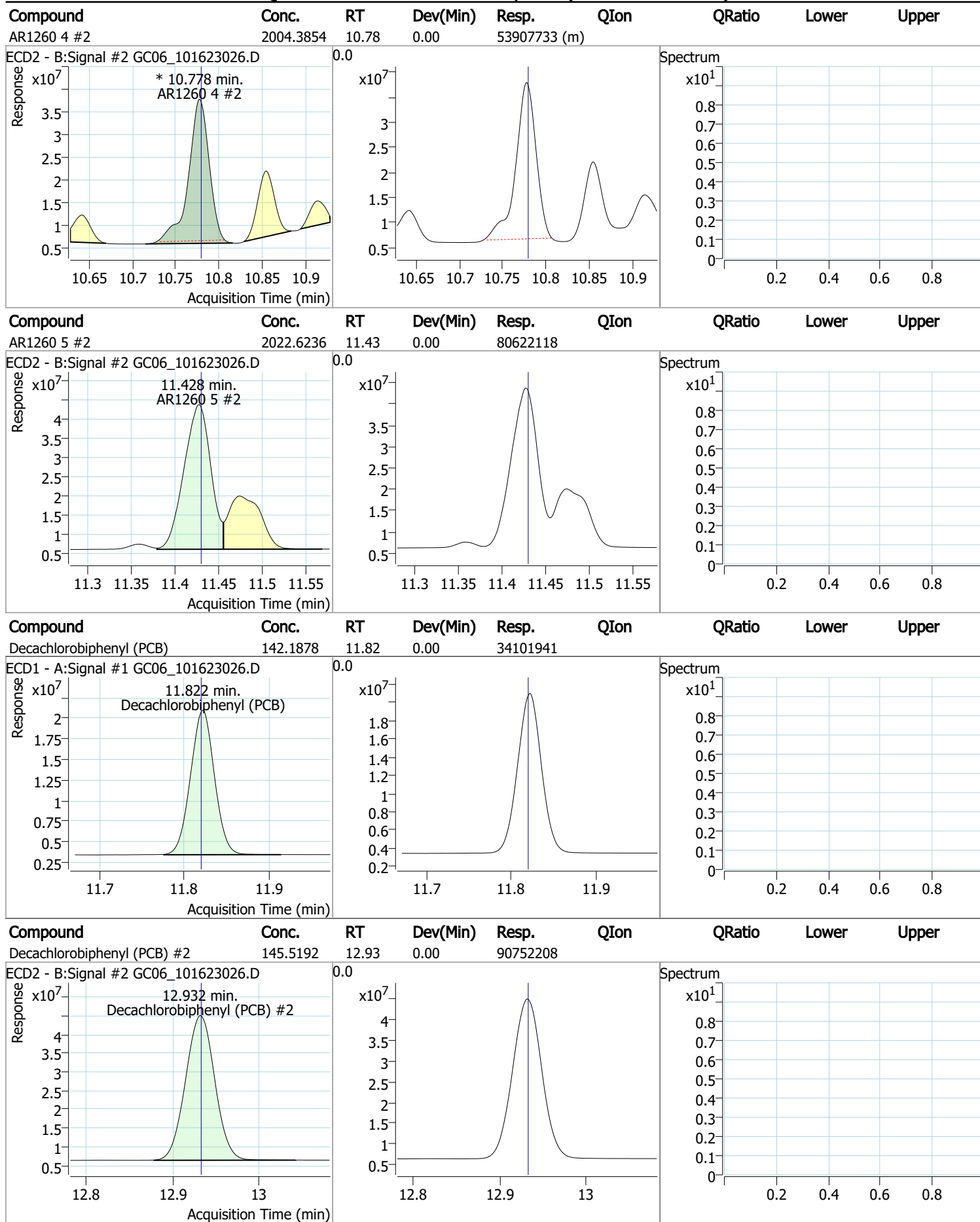
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1902.9868	10.34	0.00	84184543				



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



Quantitation Results Report (Not Reviewed)

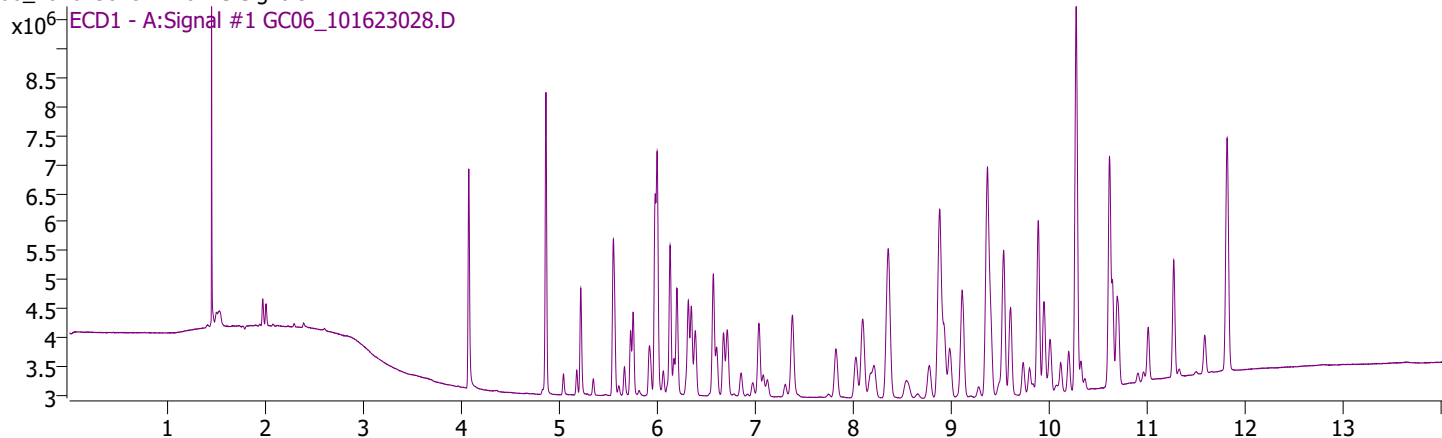


Quantitation Results Report (Not Reviewed)

Data File	GC06_101623028.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/16/2023 5:36:51 PM
Sample Name	ICV, S18851	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	101623PCBICAL.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

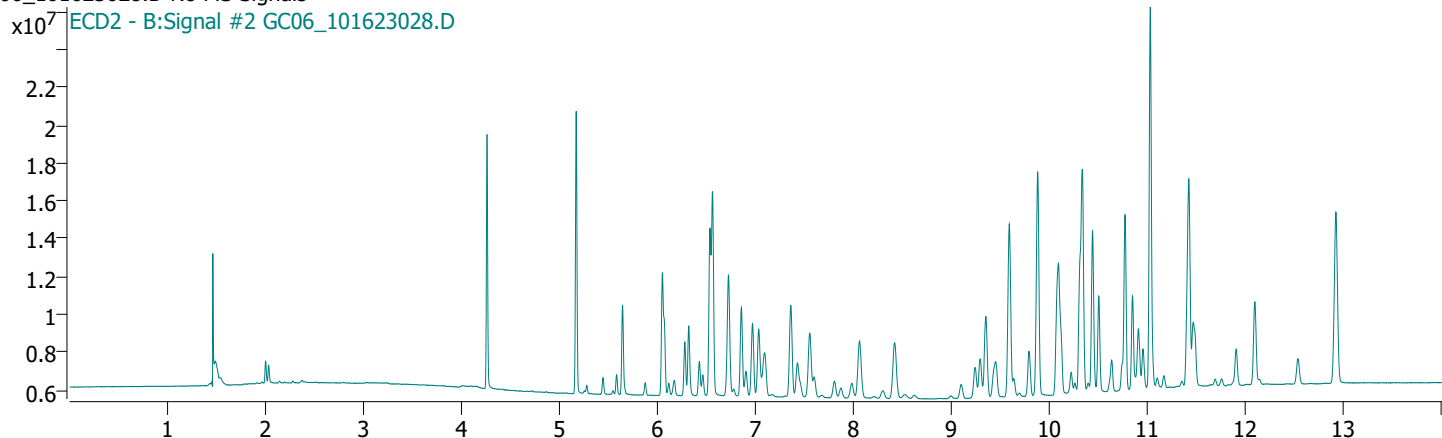
GC06_101623028.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_101623028.D



GC06_101623028.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_101623028.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.077	0.0	4154774.46 3	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.263	0.0	12081595.1 35	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.864	0.0	5737567.92 4	27.7556	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.78%		
S TCMX (PCB) #2	5.173	0.0	15985491.3 37	28.1477	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.74%		
S Decachlorobiphenyl (PCB)	11.820	0.0	8160238.24 5	30.7890	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.94%	*	
S Decachlorobiphenyl (PCB) #2	12.931	0.0	20720951.4 26	29.8782	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.39%		

Target Compounds

QValue

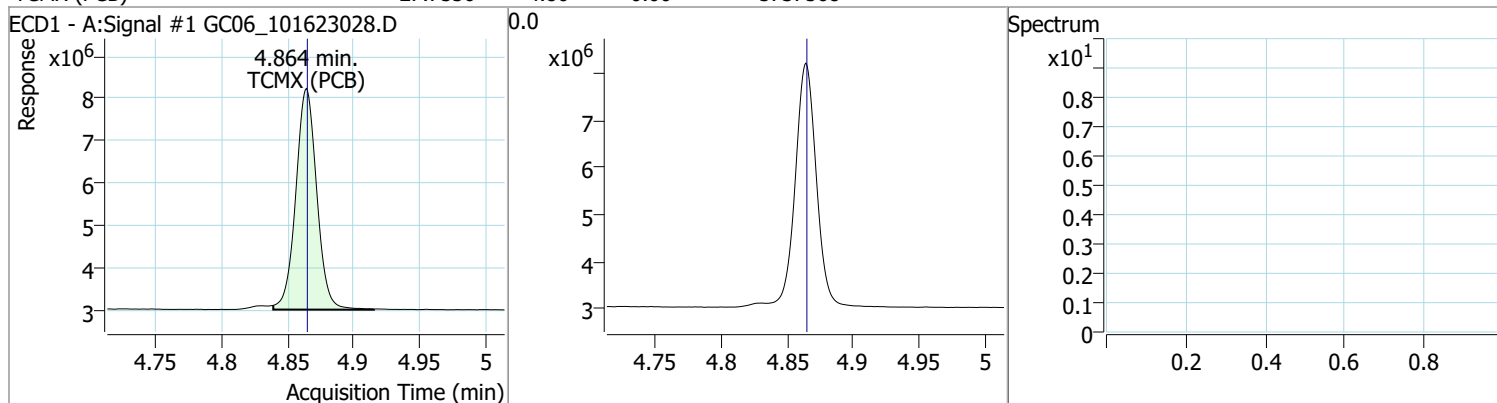
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.220	0.0	2342169.25 1	519.3965	ng/ml	100
T AR1016 2	5.553	0.0	4639832.73 8	512.6417	ng/ml	100
T AR1016 1 #2	5.647	0.0	6026345.95 4	539.4281	ng/ml	100
T AR1016 3	5.999	0.0	6055563.21 5	552.8531	ng/ml m	100
T AR1016 2 #2	6.053	0.0	12770190.0 13	547.7364	ng/ml	100
T AR1016 4	6.132	0.0	3784231.75 7	522.0264	ng/ml	100
T AR1016 3 #2	6.564	0.0	16690170.0 51	537.9779	ng/ml	100
T AR1016 5	6.573	0.0	3498828.52 9	536.3573	ng/ml	100
T AR1016 4 #2	6.728	0.0	11697332.3 67	561.2579	ng/ml	100
T AR1016 5 #2	7.364	0.0	9413535.53 6	546.7269	ng/ml	100
T AR1260 1	8.359	0.0	7207516.45 3	573.7787	ng/ml	100
T AR1260 2	8.886	0.0	11154916.8 35	569.8923	ng/ml	100
T AR1260 3	9.373	0.0	11769338.0 39	572.6124	ng/ml	100
T AR1260 1 #2	9.596	0.0	18275953.4 39	571.3715	ng/ml	100
T AR1260 2 #2	9.886	0.0	21956176.2 02	568.9415	ng/ml	100
T AR1260 4	9.891	0.0	5600224.65 5	518.3336	ng/ml	100
T AR1260 3 #2	10.342	0.0	29591418.6 10	601.5218	ng/ml	100
T AR1260 5	10.619	0.0	7374665.95 1	534.9110	ng/ml m	100
T AR1260 4 #2	10.778	0.0	16227133.5 25	542.5680	ng/ml m	100
T AR1260 5 #2	11.429	0.0	23475695.3 53	529.6165	ng/ml	100

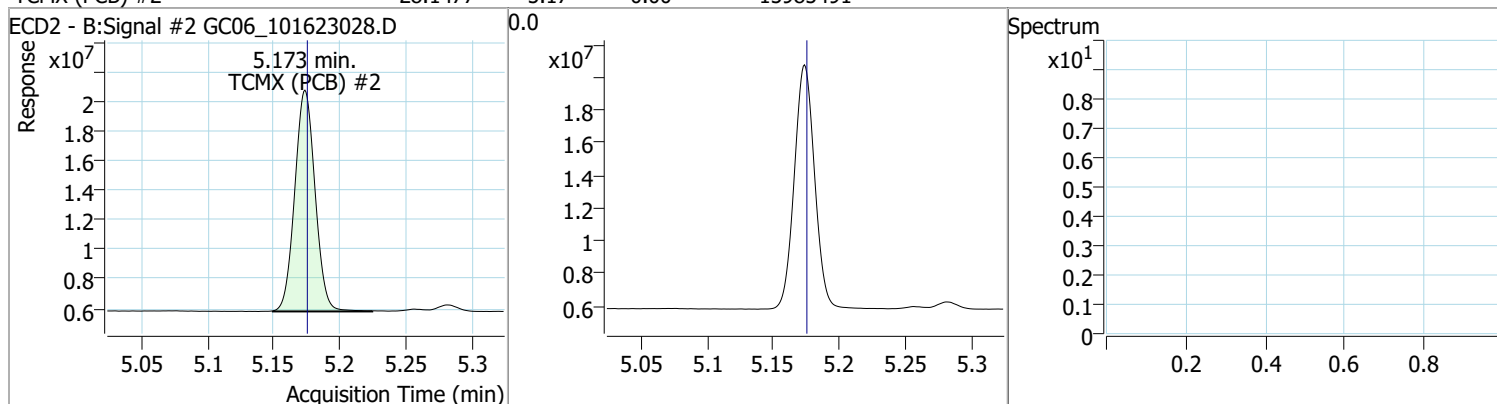
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

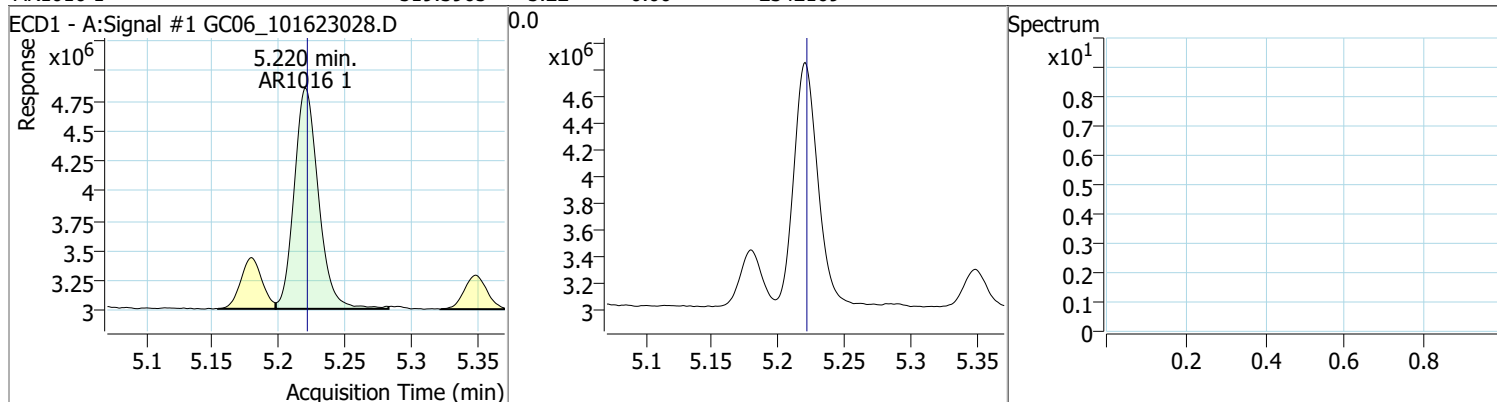
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.7556	4.86	0.00	5737568				



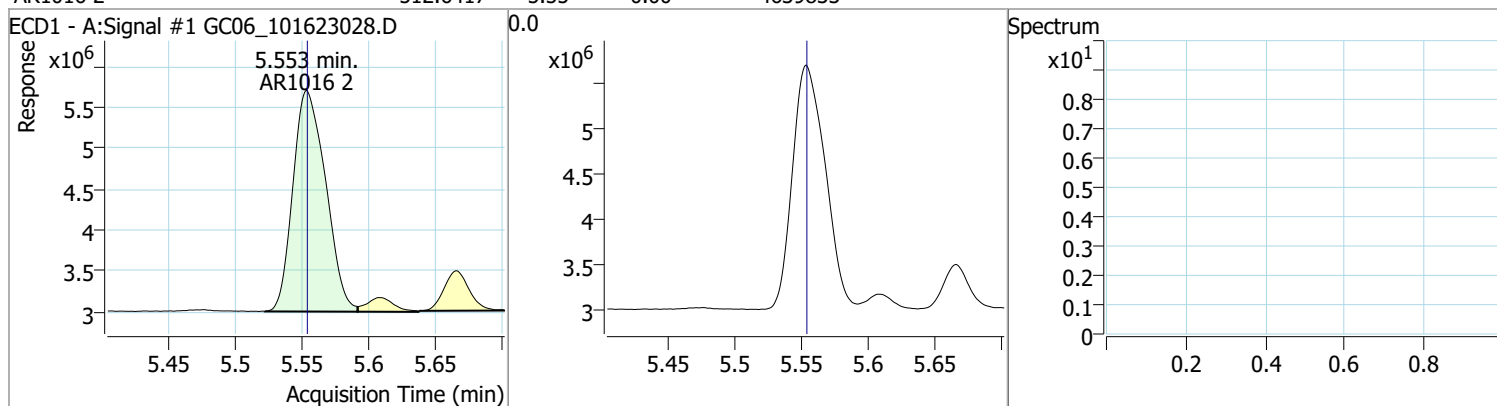
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.1477	5.17	0.00	15985491				



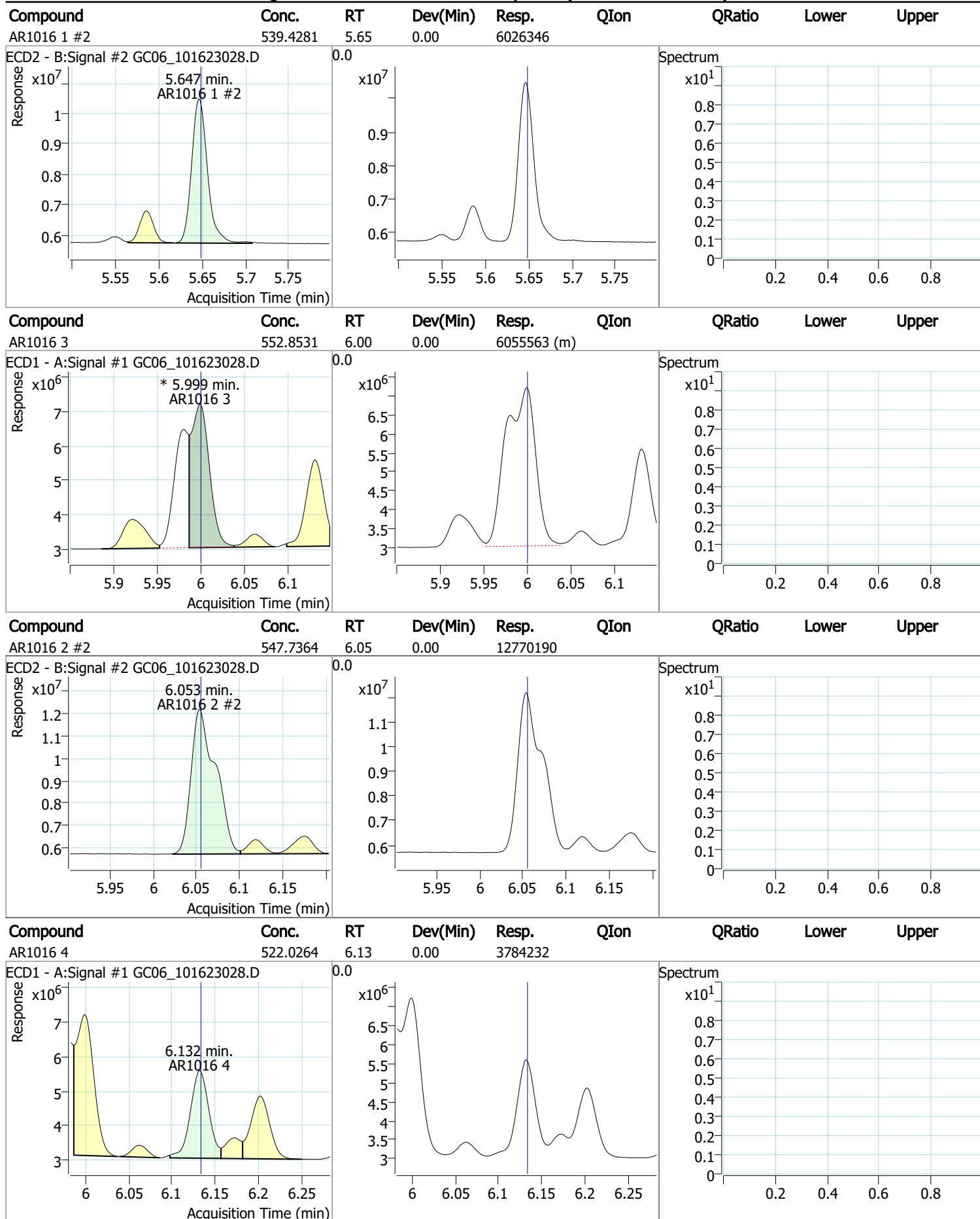
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	519.3965	5.22	0.00	2342169				



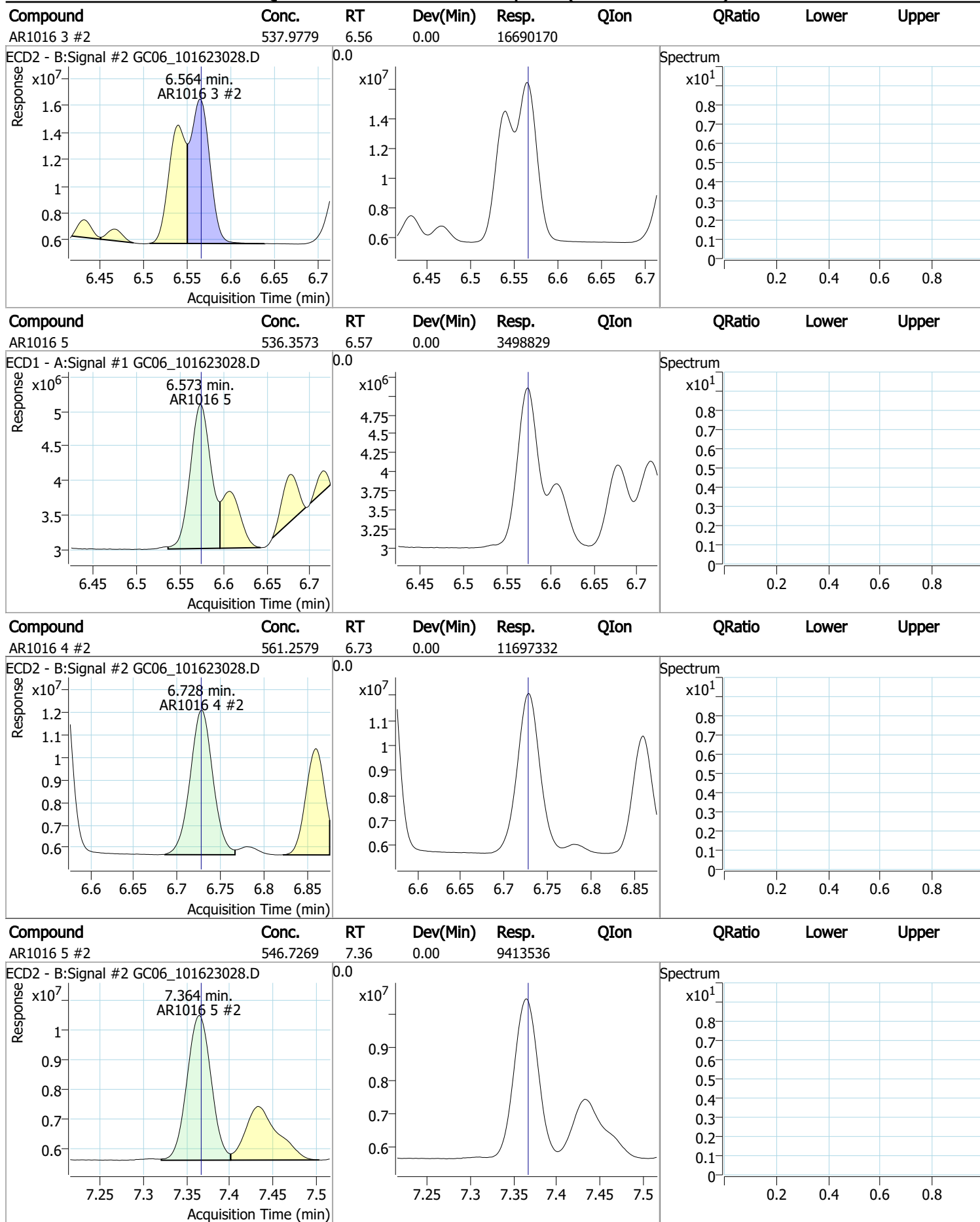
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	512.6417	5.55	0.00	4639833				



Quantitation Results Report (Not Reviewed)

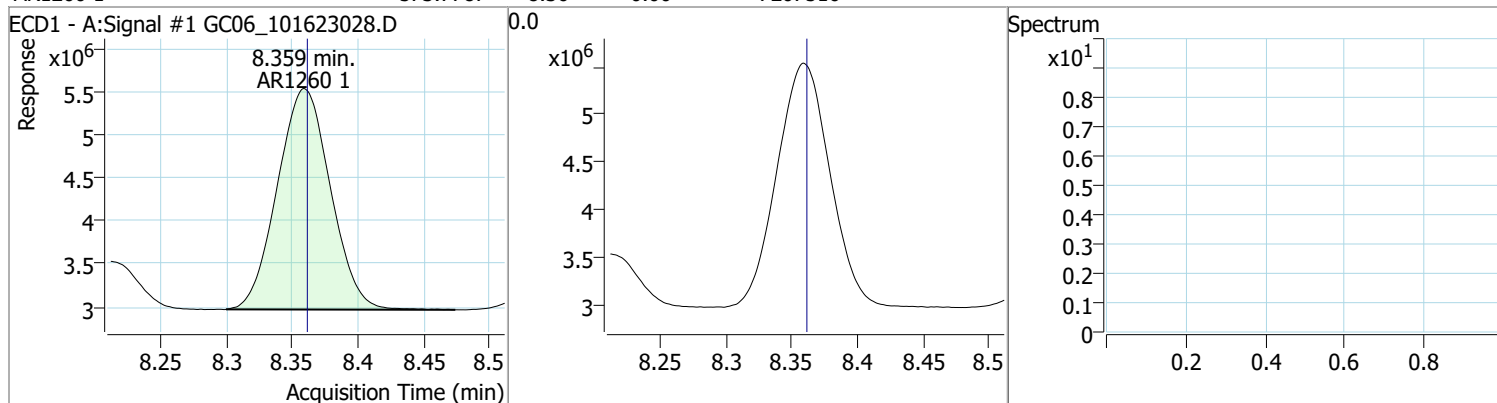


Quantitation Results Report (Not Reviewed)

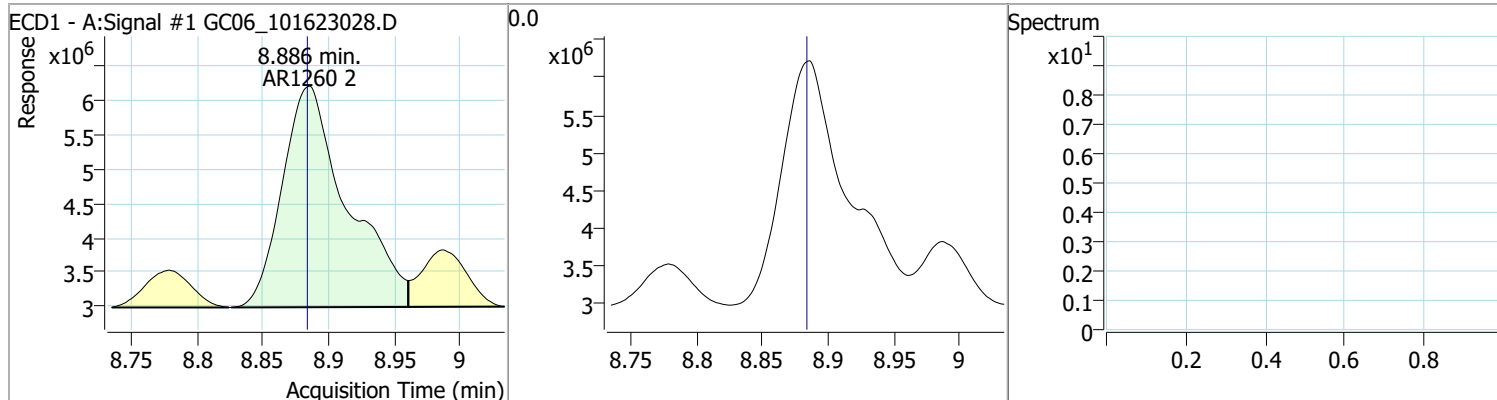


Quantitation Results Report (Not Reviewed)

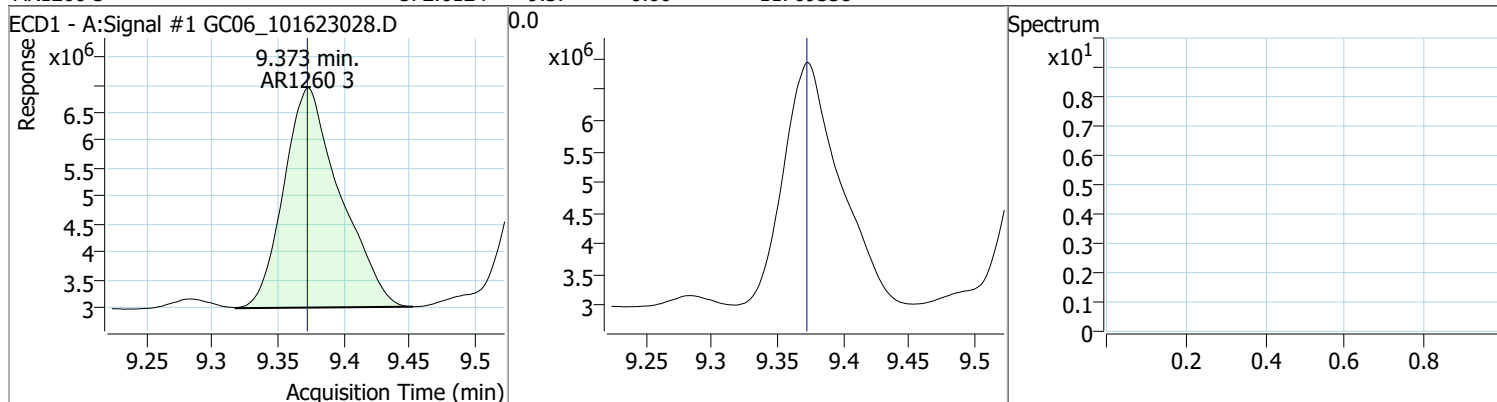
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	573.7787	8.36	0.00	7207516				



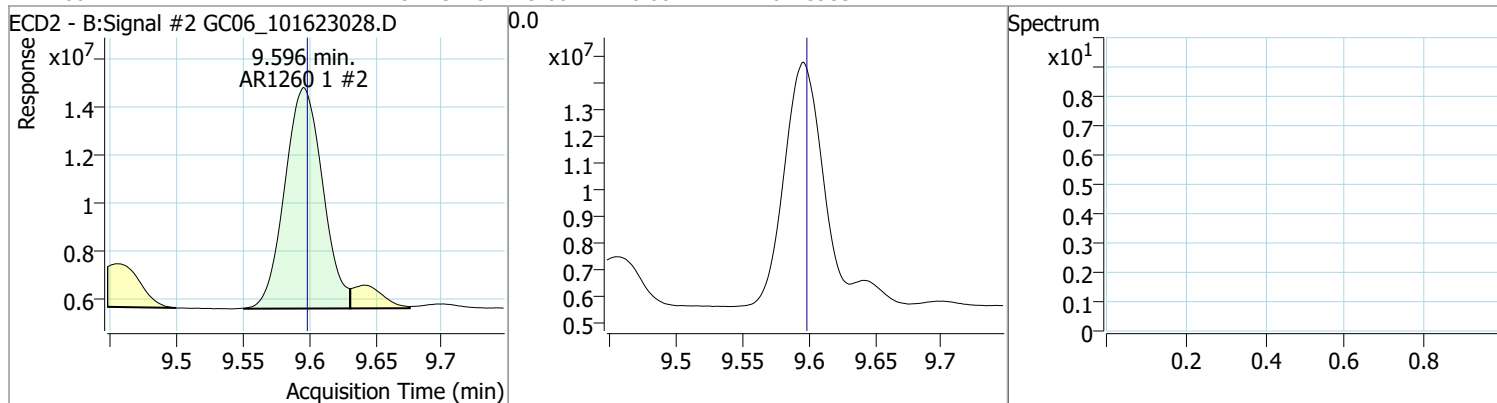
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	569.8923	8.89	0.00	11154917				



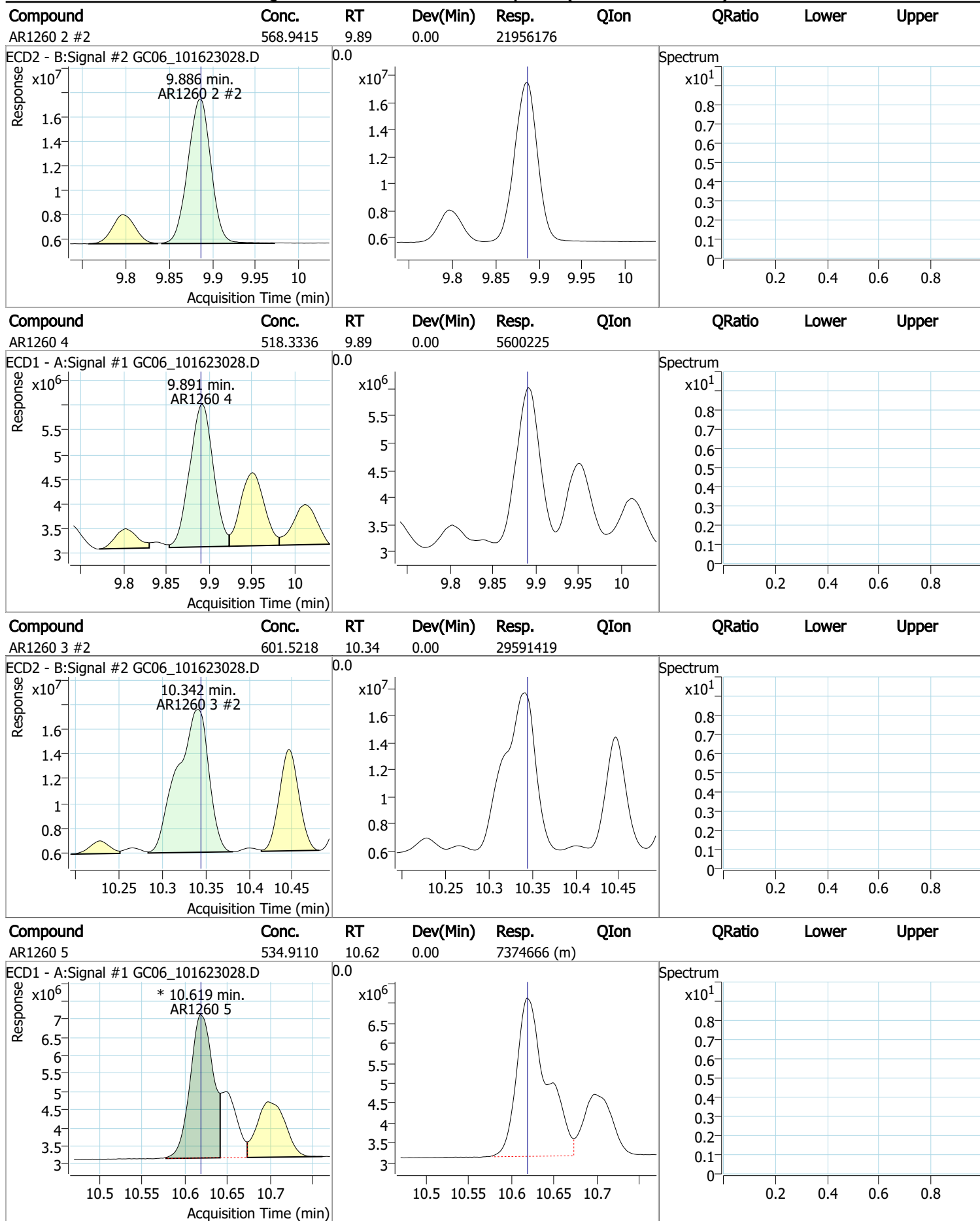
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	572.6124	9.37	0.00	11769338				



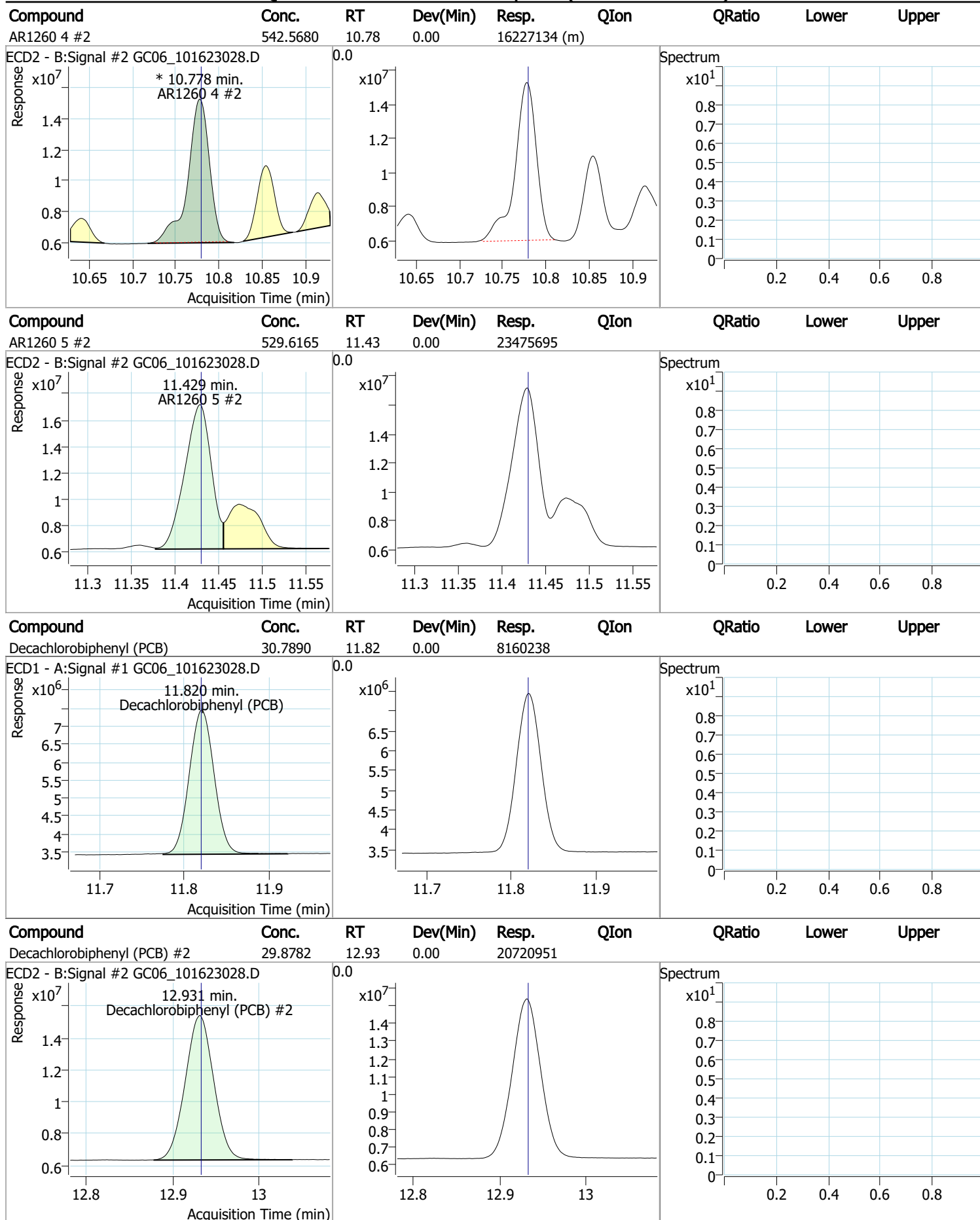
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	571.3715	9.60	0.00	18275953				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 495753 PCBs Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_111123004	IDF: 1.0
Seqnum: 453454429004	Caldate: 16-OCT-2023	Time: 11-NOV-2023 14:26
Cal: 453416704002		

Standards: S19183

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	498.9	ug/L	0	15	0.0000	
Aroclor-1260	A			500.0	570.2	ug/L	14	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2758	1.4116	40.00	44.26	ug/L	11	15	0.0000	
TCMX (PCB)	A	0.9951	0.9336	40.00	37.53	ug/L	-6	15	0.0000	
Aroclor-1016	B			500.0	483.5	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	541.5	ug/L	8	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1481	1.1344	40.00	39.52	ug/L	-1	15	0.0000	
TCMX (PCB)	B	0.9401	0.8595	40.00	36.57	ug/L	-9	15	0.0000	

ISTD (ICAL gc06_101623019)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10693236	13581648	27.01
1-bromo-2-nitrobenzene (PCB)	A	3667875	4388704	19.65

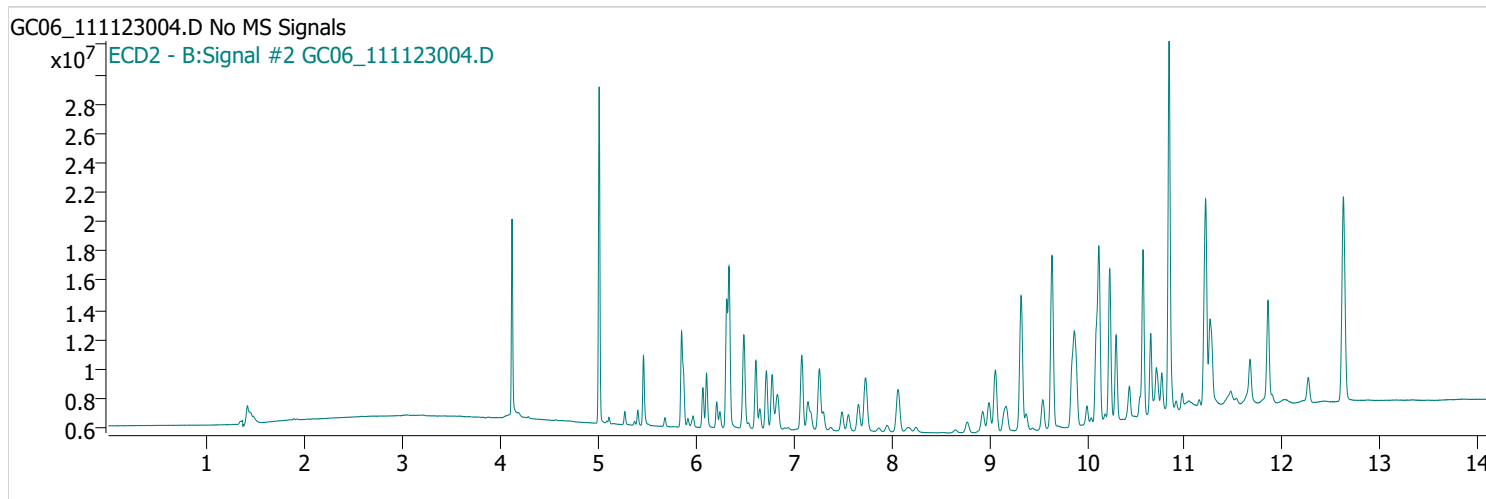
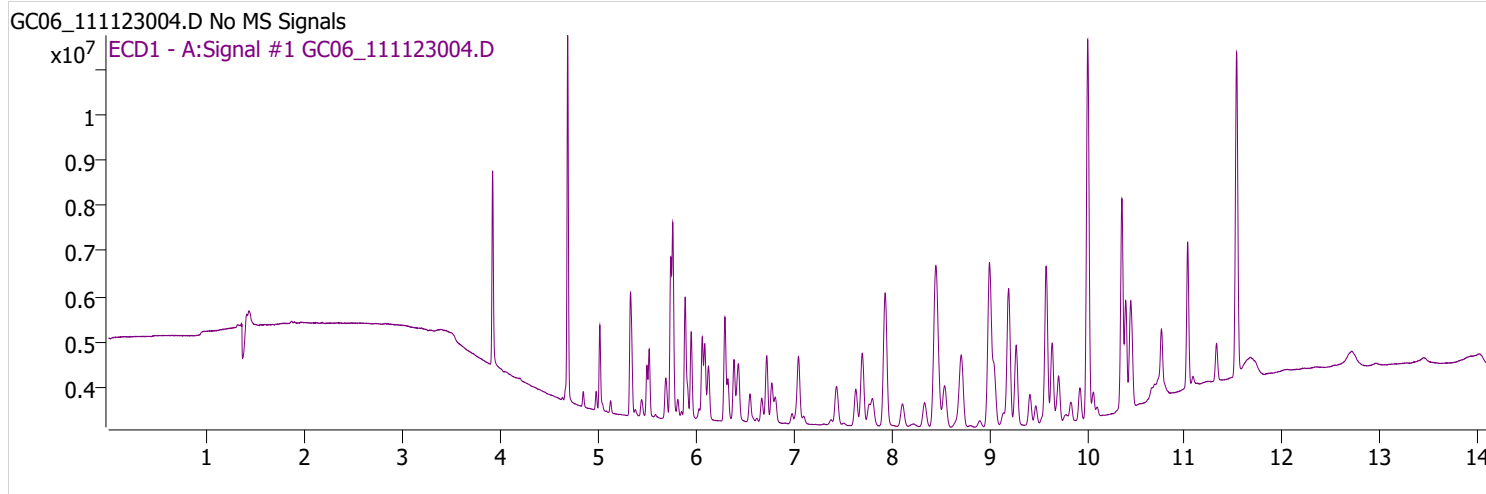
11/11/23 : 500 PPB PCB CCV

Analyst: MES 11/11/23

Reviewer: MTS 11/14/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_111123004.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/11/2023 2:26:07 PM
Sample Name	CCV, S19183	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_22.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	111123-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.925	0.0	4388704.428	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.123	0.0	13581648.007	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.693	0.0	8194851.990	37.5297	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.65%	*	
S TCMX (PCB) #2	5.014	0.0	23347988.697	36.5712	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.86%	*	
S Decachlorobiphenyl (PCB)	11.529	0.0	12390059.845	44.2565	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.28%	*	
S Decachlorobiphenyl (PCB) #2	12.621	0.0	30813228.654	39.5234	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.62%	*	

Target Compounds

QValue

Quantitation Results Report (Not Reviewed)

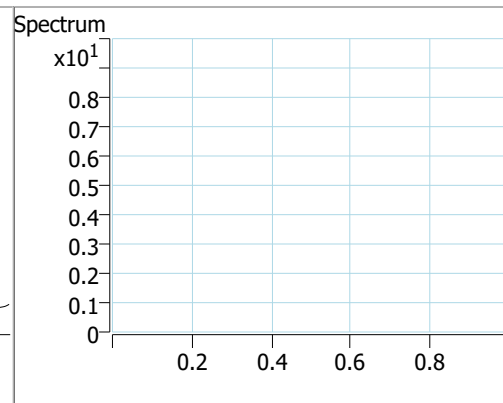
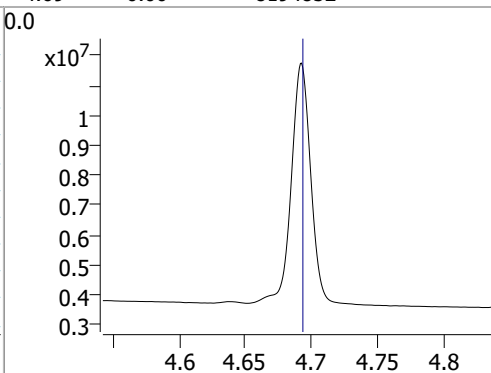
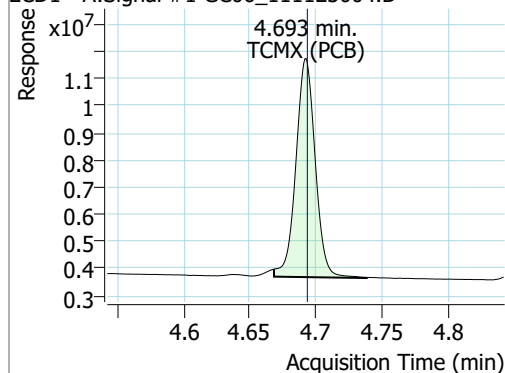
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.021	0.0	2295492.62 7	481.9120	ng/ml	100
T AR1016 2	5.335	0.0	4412830.09 8	461.5725	ng/ml	100
T AR1016 1 #2	5.467	0.0	6086175.22 2	484.6138	ng/ml	100
T AR1016 3	5.766	0.0	5705652.31 3	493.1416	ng/ml	100
T AR1016 2 #2	5.857	0.0	12294919.8 96	469.1069	ng/ml	100
T AR1016 4	5.893	0.0	4232352.16 6	552.7232	ng/ml	100
T AR1016 5	6.299	0.0	3480762.02 8	505.1461	ng/ml	100
T AR1016 3 #2	6.341	0.0	17136772.0 65	491.3653	ng/ml	100
T AR1016 4 #2	6.493	0.0	11347080.2 17	484.3191	ng/ml	100
T AR1016 5 #2	7.085	0.0	9447492.41 3	488.0969	ng/ml	100
T AR1260 1	7.937	0.0	7486387.37 2	564.2119	ng/ml	100
T AR1260 2	8.455	0.0	11487858.7 09	555.6184	ng/ml	100
T AR1260 3	9.003	0.0	12263276.3 14	564.8411	ng/ml	100
T AR1260 1 #2	9.326	0.0	19392659.2 63	539.3214	ng/ml	100
T AR1260 4	9.582	0.0	6912455.62 4	605.6858	ng/ml	100
T AR1260 2 #2	9.642	0.0	23545397.2 10	542.7362	ng/ml	100
T AR1260 3 #2	10.121	0.0	30163945.2 33	545.4382	ng/ml	100
T AR1260 5	10.357	0.0	8164868.45 1	560.6599	ng/ml	100
T AR1260 4 #2	10.573	0.0	17351053.0 90	516.0716	ng/ml	100
T AR1260 5 #2	11.213	0.0	28097186.3 63	563.8683	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)

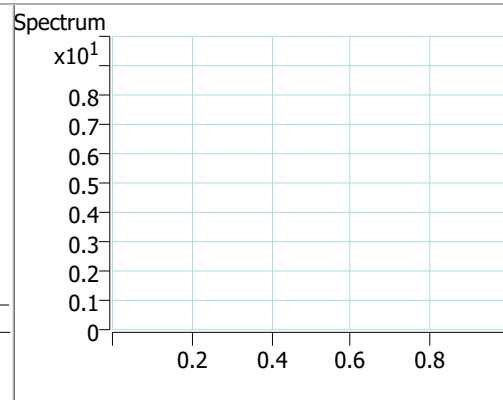
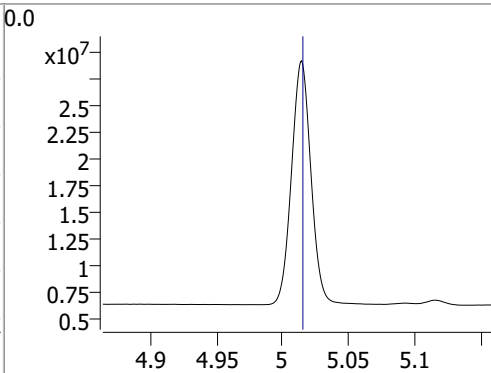
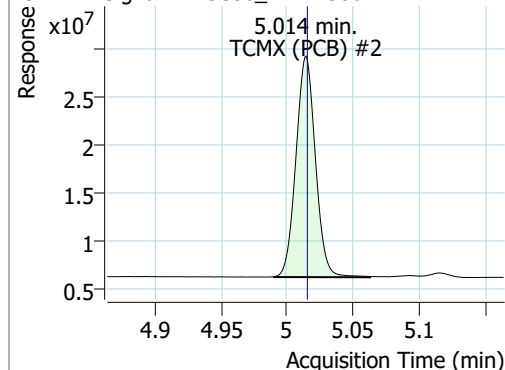
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.5297	4.69	0.00	8194852				

ECD1 - A:Signal #1 GC06_111123004.D



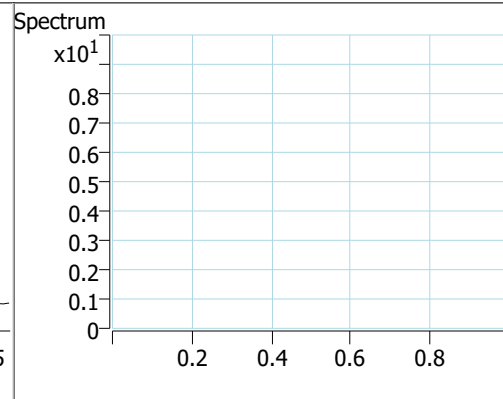
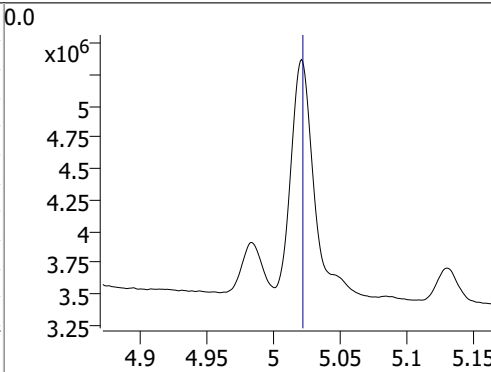
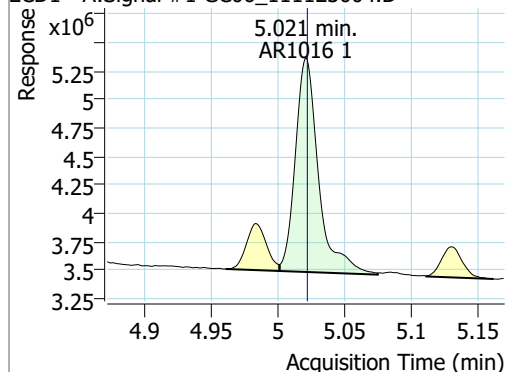
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.5712	5.01	0.00	23347989				

ECD2 - B:Signal #2 GC06_111123004.D



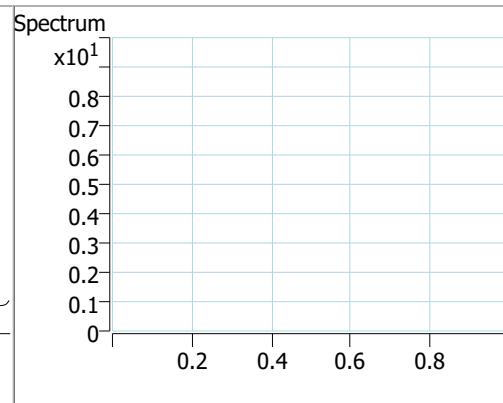
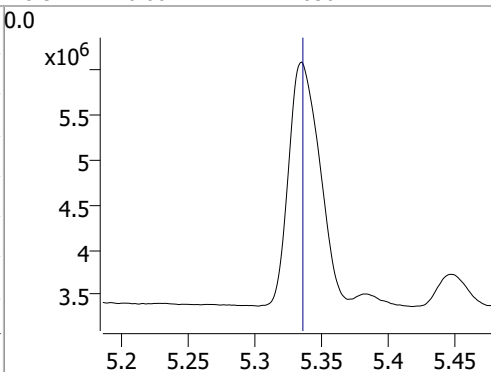
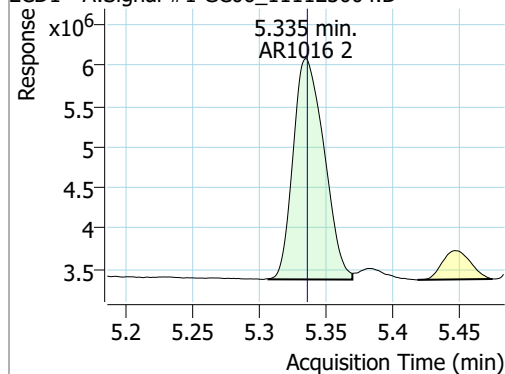
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	481.9120	5.02	0.00	2295493				

ECD1 - A:Signal #1 GC06_111123004.D

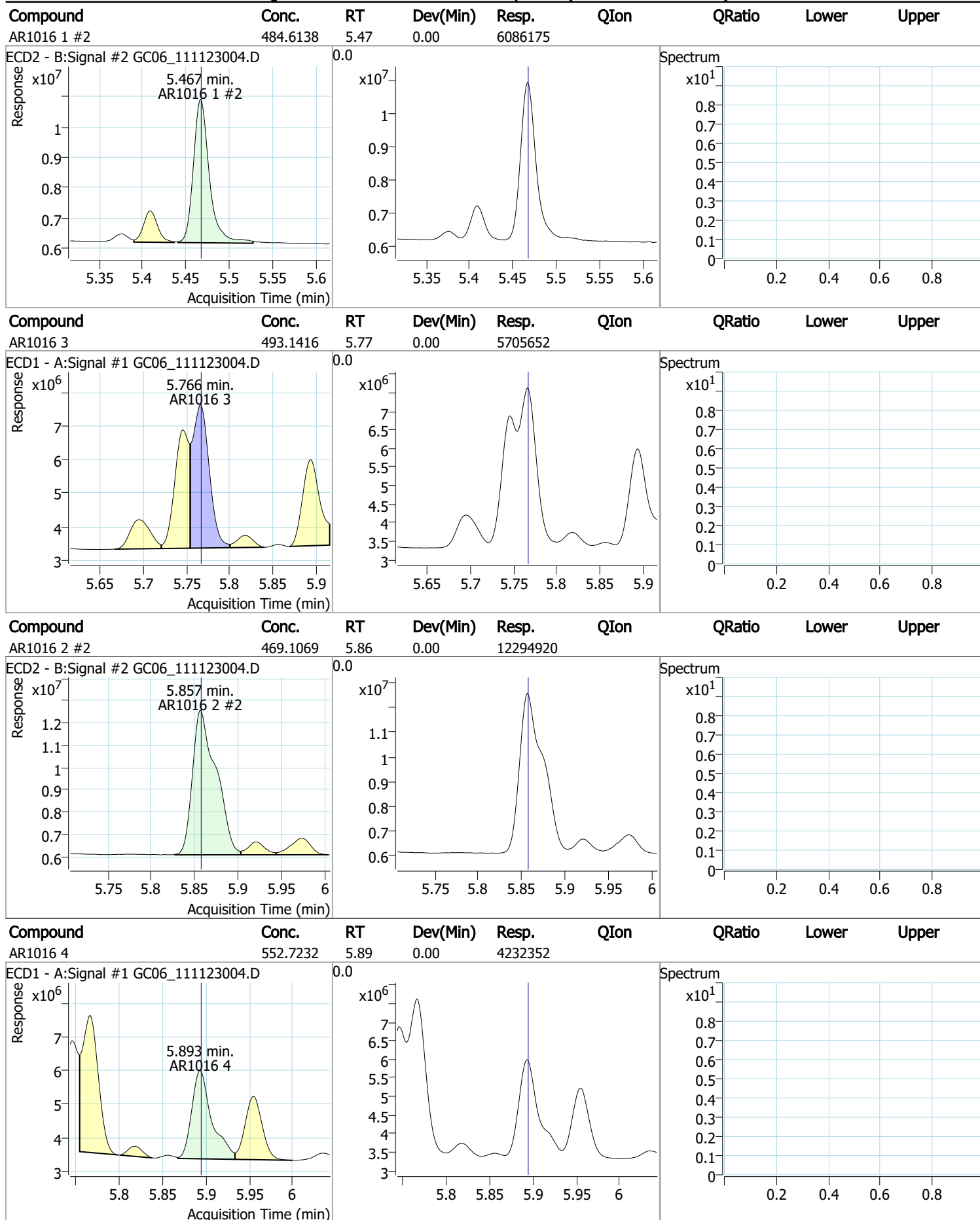


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	461.5725	5.34	0.00	4412830				

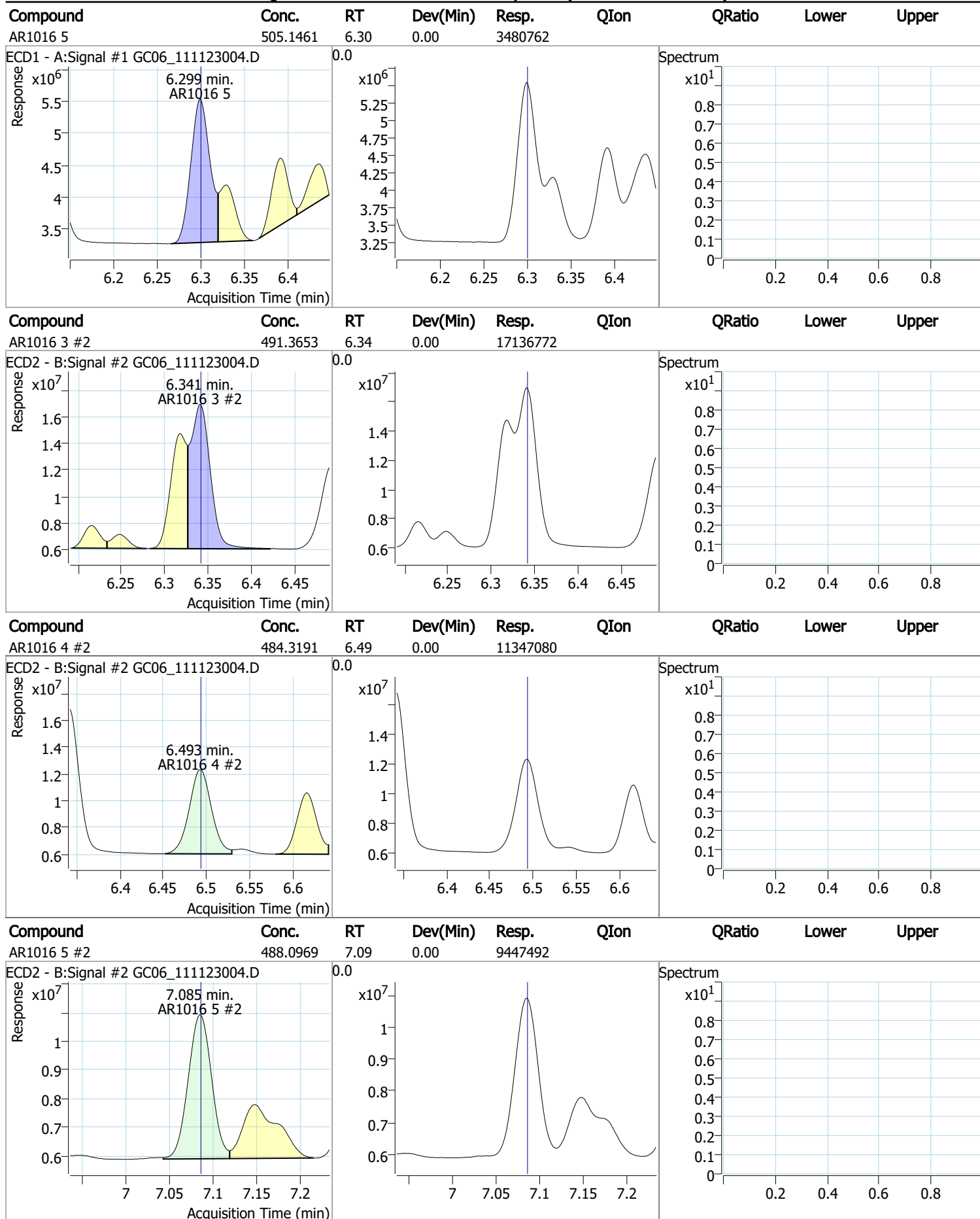
ECD1 - A:Signal #1 GC06_111123004.D



Quantitation Results Report (Not Reviewed)

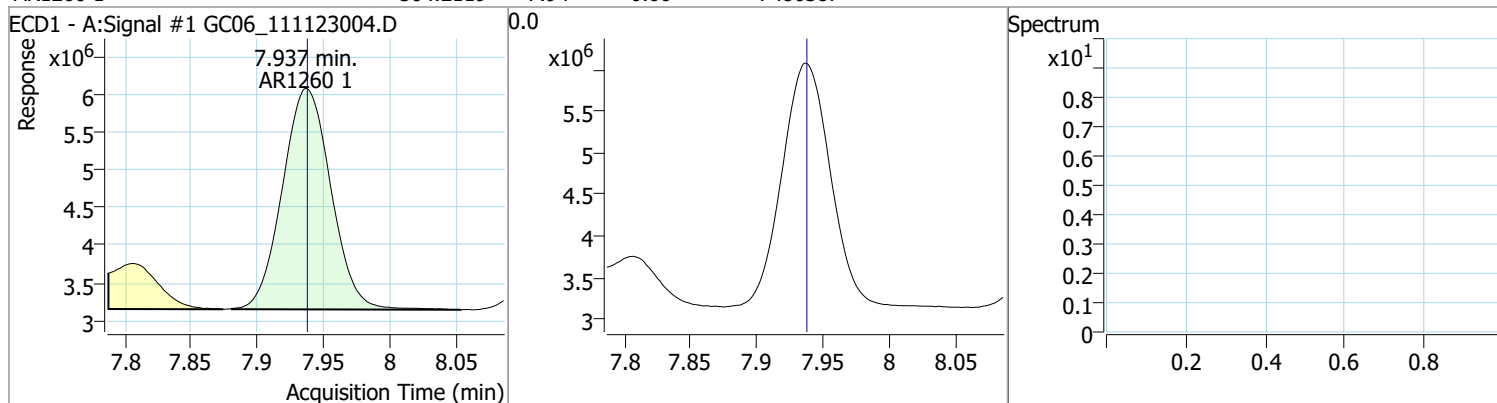


Quantitation Results Report (Not Reviewed)

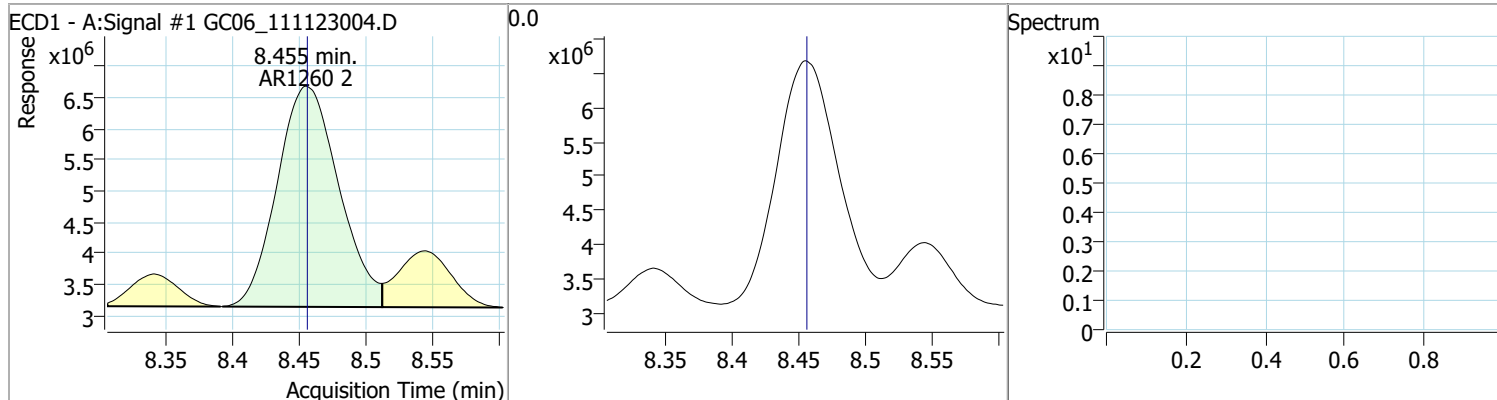


Quantitation Results Report (Not Reviewed)

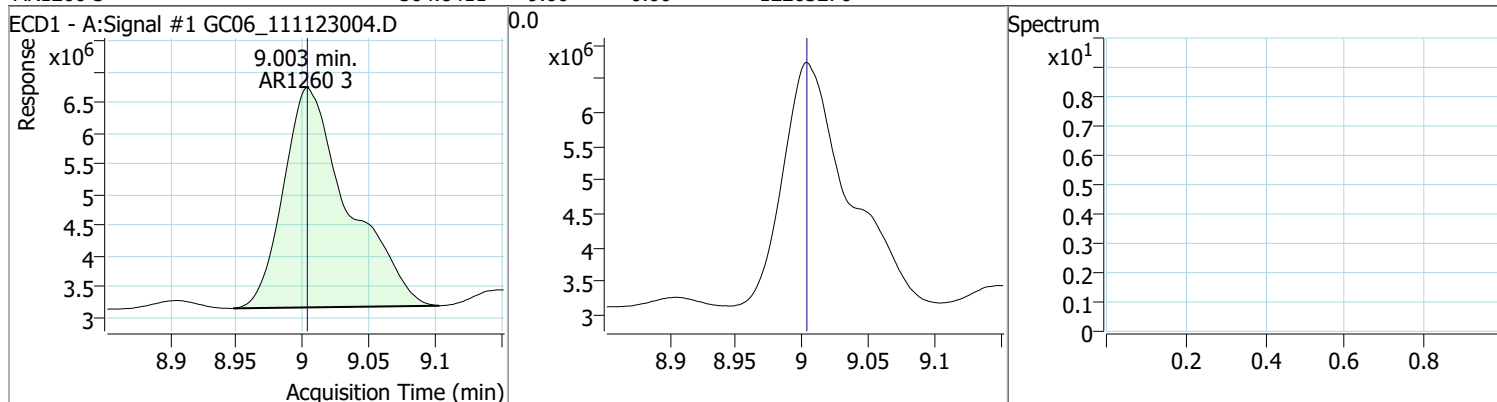
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	564.2119	7.94	0.00	7486387				



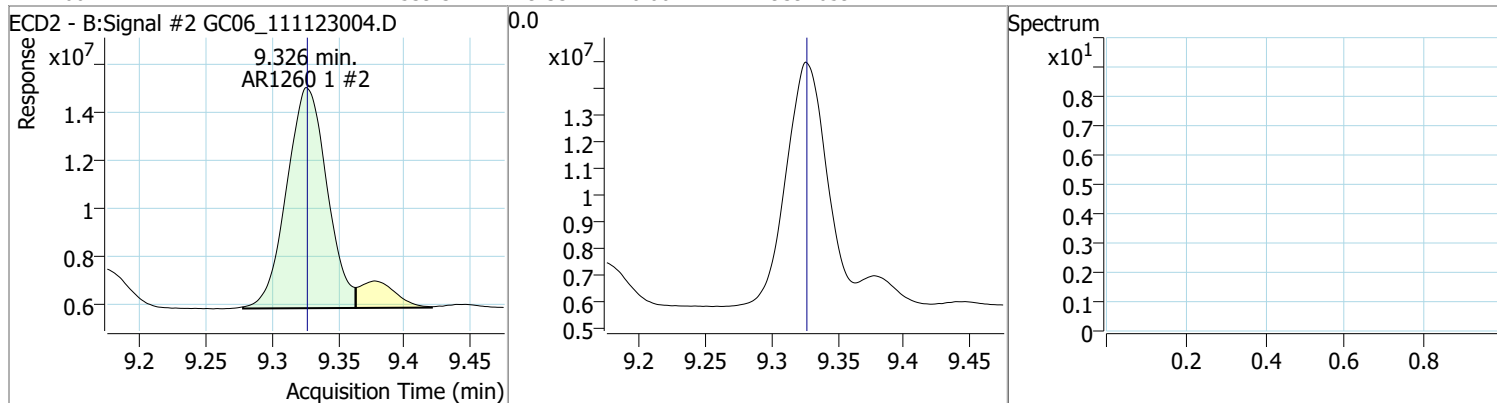
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	555.6184	8.46	0.00	11487859				



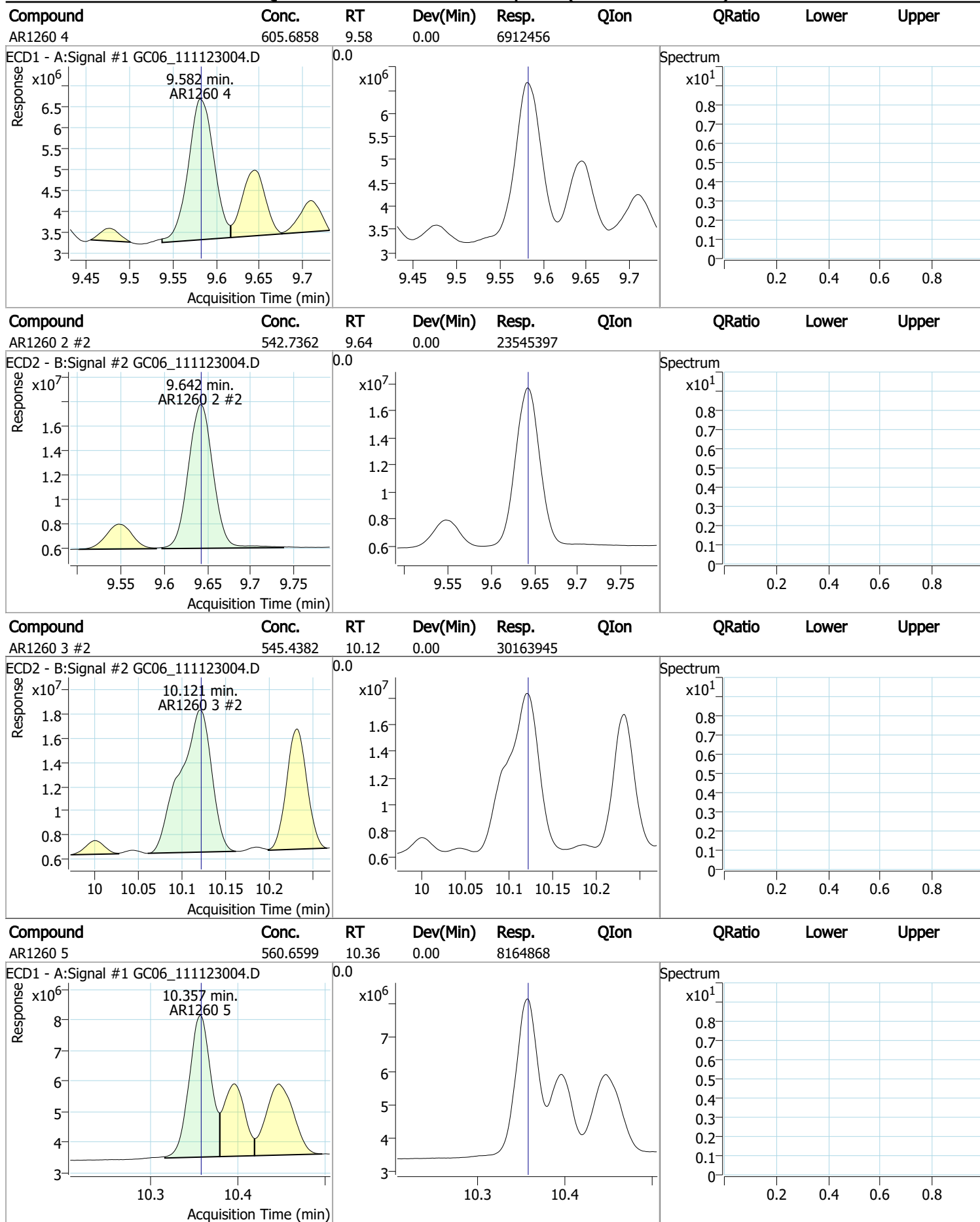
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	564.8411	9.00	0.00	12263276				



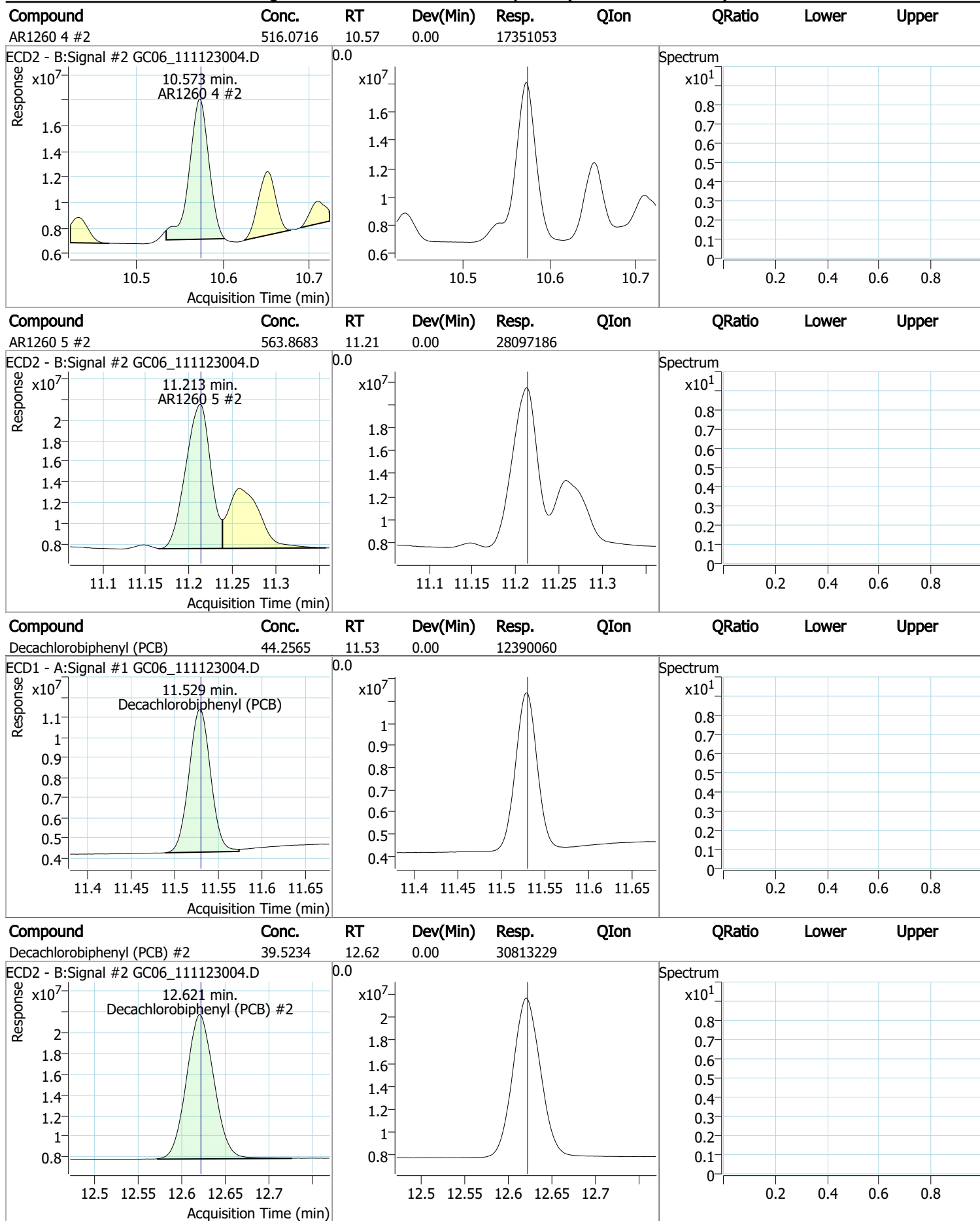
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	539.3214	9.33	0.00	19392659				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY CONTINUING CALIBRATION FOR 495753 PCBs Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_111323004	IDF: 1.0
Seqnum: 453457070004.1	Caldate: 16-OCT-2023	Time: 13-NOV-2023 10:27
Cal: 453416704002		

Standards: S19183

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	460.7	ug/L	-8	15	0.0000	
Aroclor-1260	A			500.0	498.5	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2758	1.2295	40.00	38.55	ug/L	-4	15	0.0000	
TCMX (PCB)	A	0.9951	0.8945	40.00	35.96	ug/L	-10	15	0.0000	
Aroclor-1016	B			500.0	485.3	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	520.3	ug/L	4	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1481	1.0525	40.00	36.67	ug/L	-8	15	0.0000	
TCMX (PCB)	B	0.9401	0.8930	40.00	38.00	ug/L	-5	15	0.0000	

ISTD (ICAL gc06_101623019)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	10693236	13637102	27.53
1-bromo-2-nitrobenzene (PCB)	A	3667875	4723094	28.77

11/13/23 : 500 PPB PCB CCV

MES 11/15/23 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

Analyst: MES 11/14/23

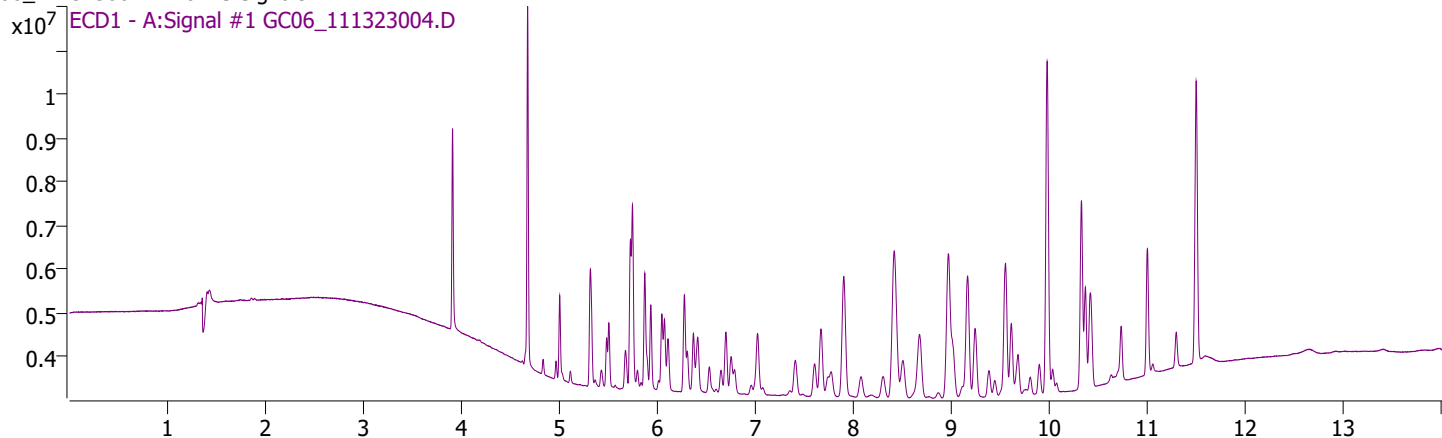
Reviewer: MTS 11/14/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_111323004.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	11/13/2023 10:27:20 AM
Sample Name	CCV, S19183	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_101623_GC06_23.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	111323-PCB.batch.bin	Last Calib Update	10/16/2023 6:22:43 PM
Ref Library			

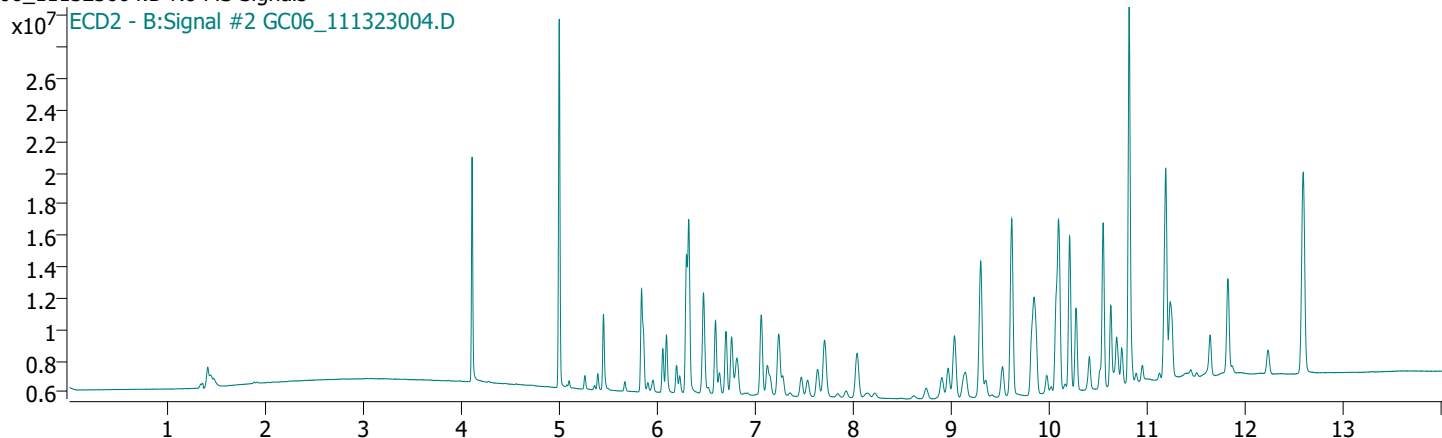
GC06_111323004.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_111323004.D



GC06_111323004.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_111323004.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.913	0.0	4723094.25 1	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.113	0.0	13637101.9 74	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.680	0.0	8450068.04 8	35.9587	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.79%	*	
S TCMX (PCB) #2	5.003	0.0	24357058.1 31	37.9966	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.98%	*	
S Decachlorobiphenyl (PCB)	11.510	0.0	11613678.0 94	38.5463	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.73%	*	
S Decachlorobiphenyl (PCB) #2	12.604	0.0	28707075.9 77	36.6722	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.36%	*	

Target Compounds

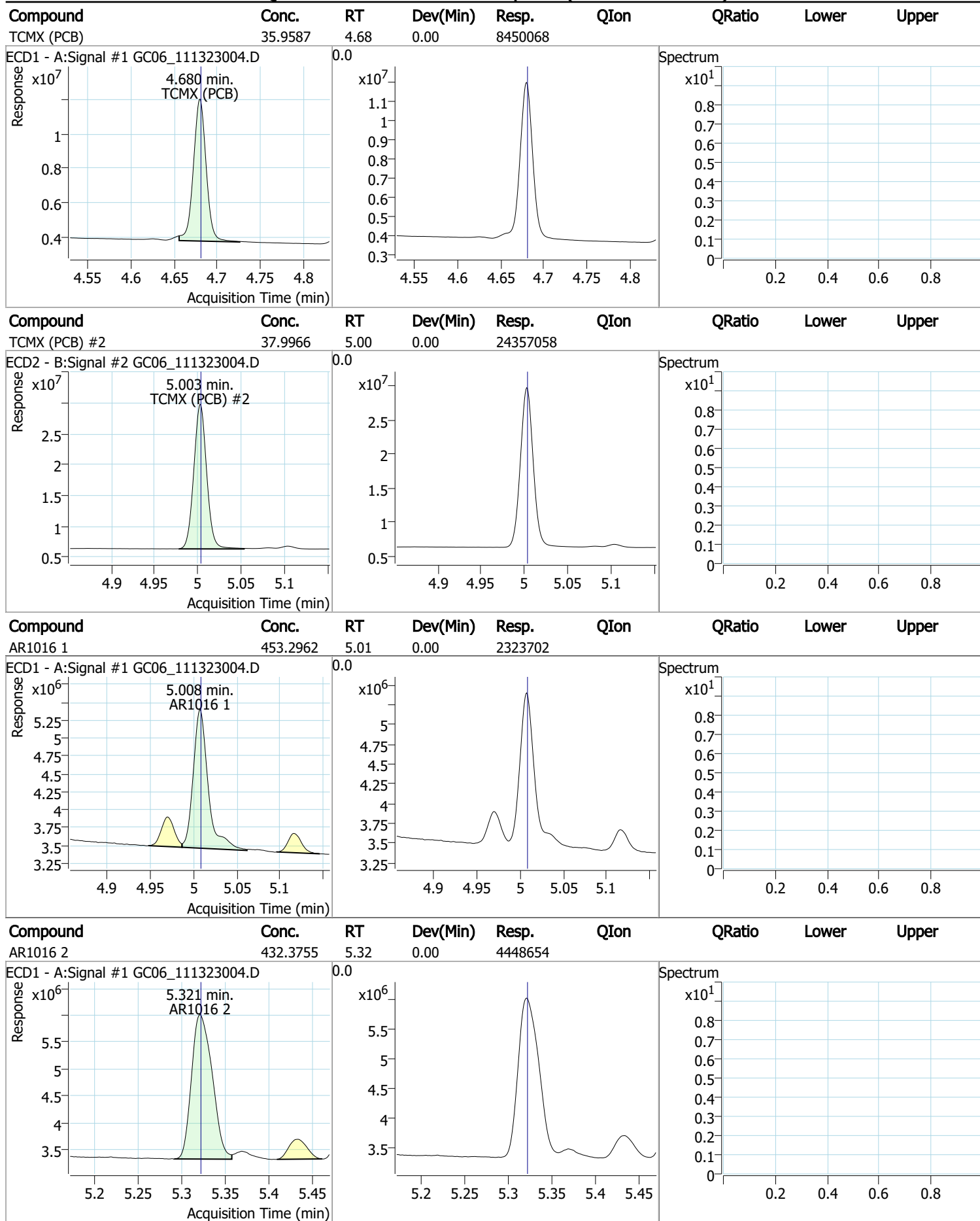
QValue

Quantitation Results Report (Not Reviewed)

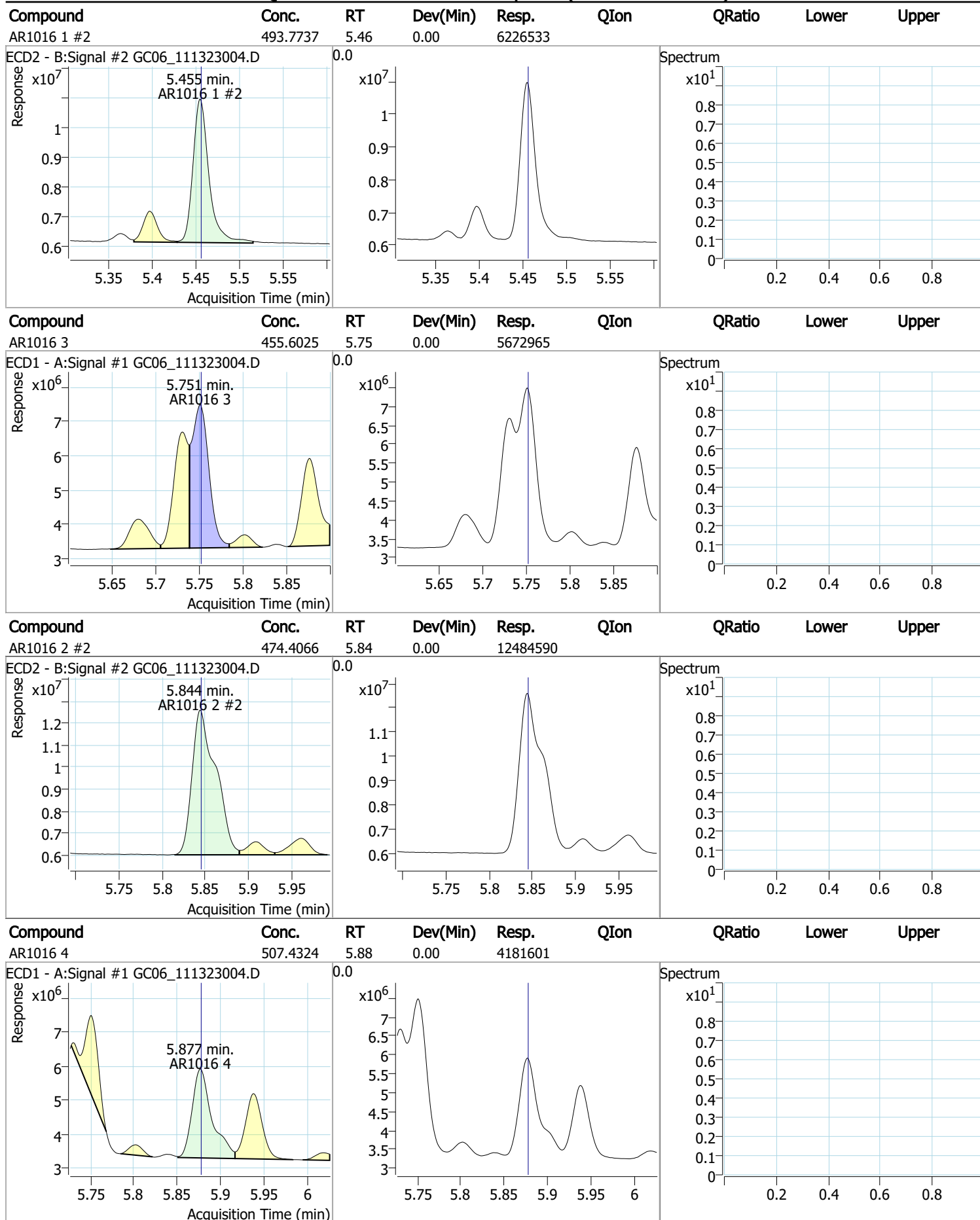
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.008	0.0	2323702.45 2	453.2962	ng/ml	100
T AR1016 2	5.321	0.0	4448654.18 5	432.3755	ng/ml	100
T AR1016 1 #2	5.455	0.0	6226532.85 9	493.7737	ng/ml	100
T AR1016 3	5.751	0.0	5672965.02 0	455.6025	ng/ml	100
T AR1016 2 #2	5.844	0.0	12484589.5 37	474.4066	ng/ml	100
T AR1016 4	5.877	0.0	4181601.05 2	507.4324	ng/ml	100
T AR1016 5	6.282	0.0	3371089.55 7	454.5929	ng/ml	100
T AR1016 3 #2	6.325	0.0	17305394.3 22	494.1825	ng/ml m	100
T AR1016 4 #2	6.476	0.0	11390167.1 19	484.1812	ng/ml	100
T AR1016 5 #2	7.066	0.0	9326244.54 0	479.8734	ng/ml	100
T AR1260 1	7.910	0.0	7079851.03 9	495.7968	ng/ml	100
T AR1260 2	8.425	0.0	10723383.9 98	481.9246	ng/ml	100
T AR1260 3	8.978	0.0	11465298.7 66	490.6987	ng/ml	100
T AR1260 1 #2	9.309	0.0	18785006.0 52	520.2979	ng/ml	100
T AR1260 4	9.562	0.0	6586019.49 9	536.2259	ng/ml	100
T AR1260 2 #2	9.626	0.0	22901466.7 74	525.7465	ng/ml	100
T AR1260 3 #2	10.103	0.0	28865636.3 14	519.8391	ng/ml	100
T AR1260 5	10.338	0.0	7645242.07 4	487.8106	ng/ml	100
T AR1260 4 #2	10.560	0.0	17163623.5 90	508.4210	ng/ml	100
T AR1260 5 #2	11.199	0.0	26389203.5 39	527.4382	ng/ml	100

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

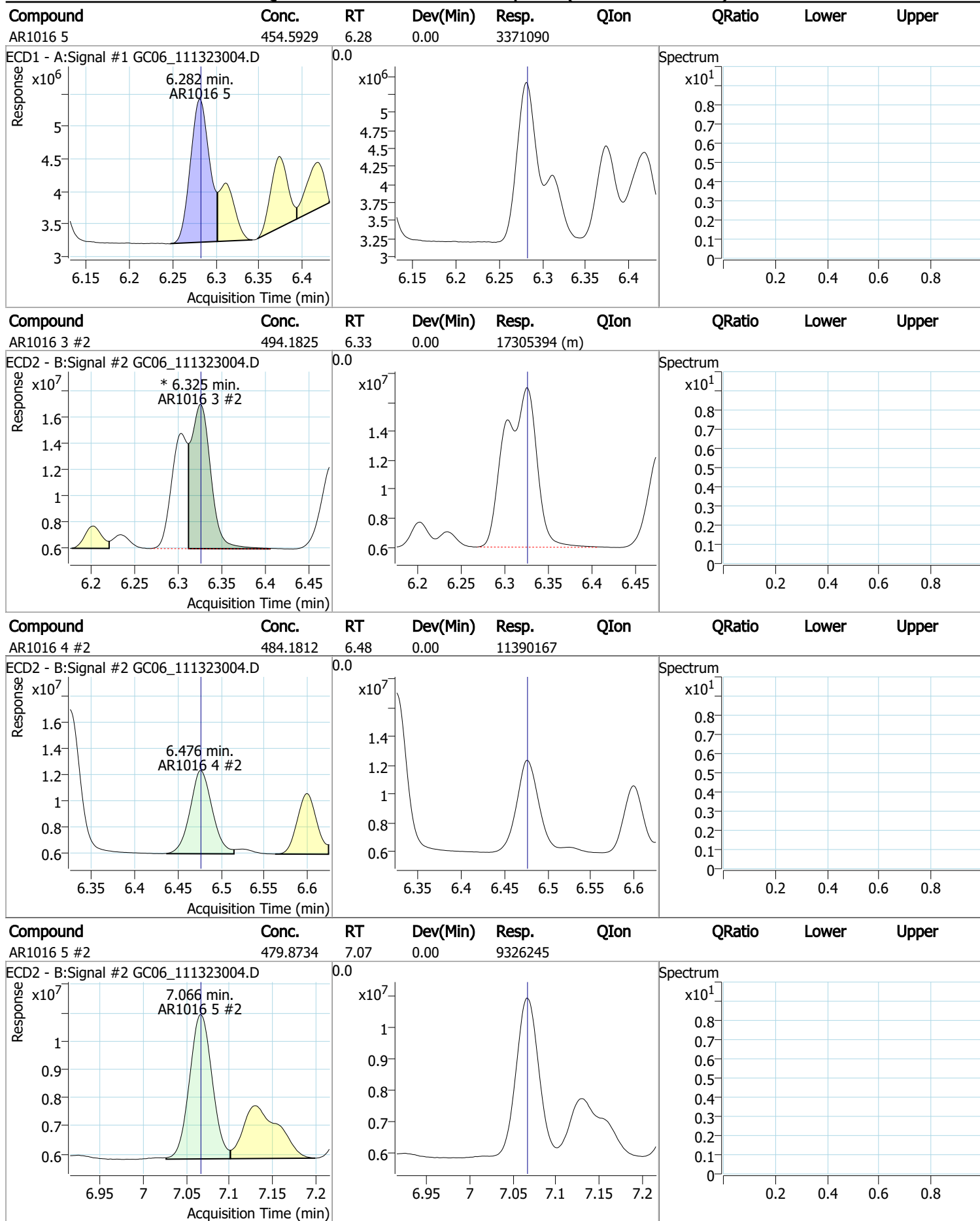
Quantitation Results Report (Not Reviewed)



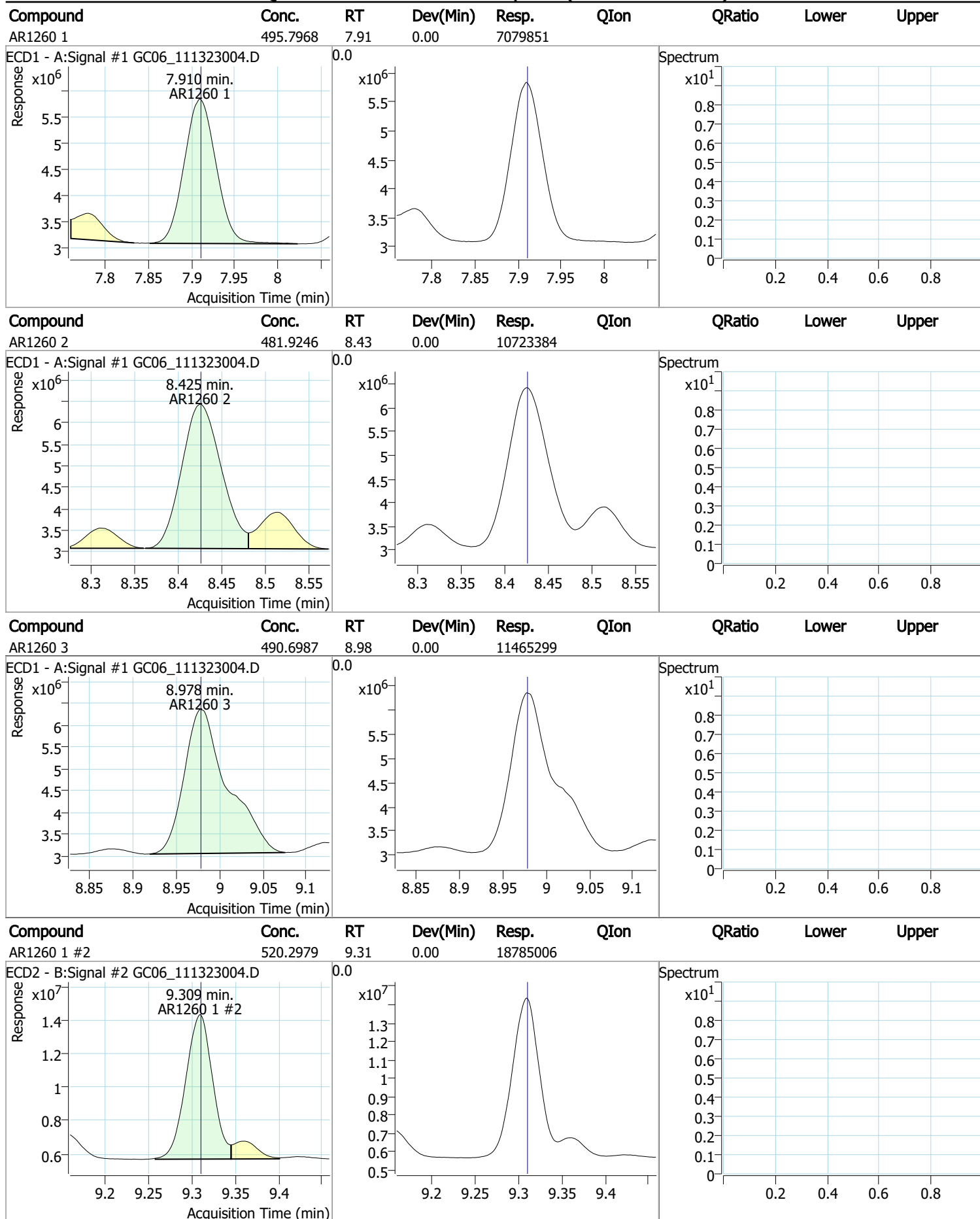
Quantitation Results Report (Not Reviewed)



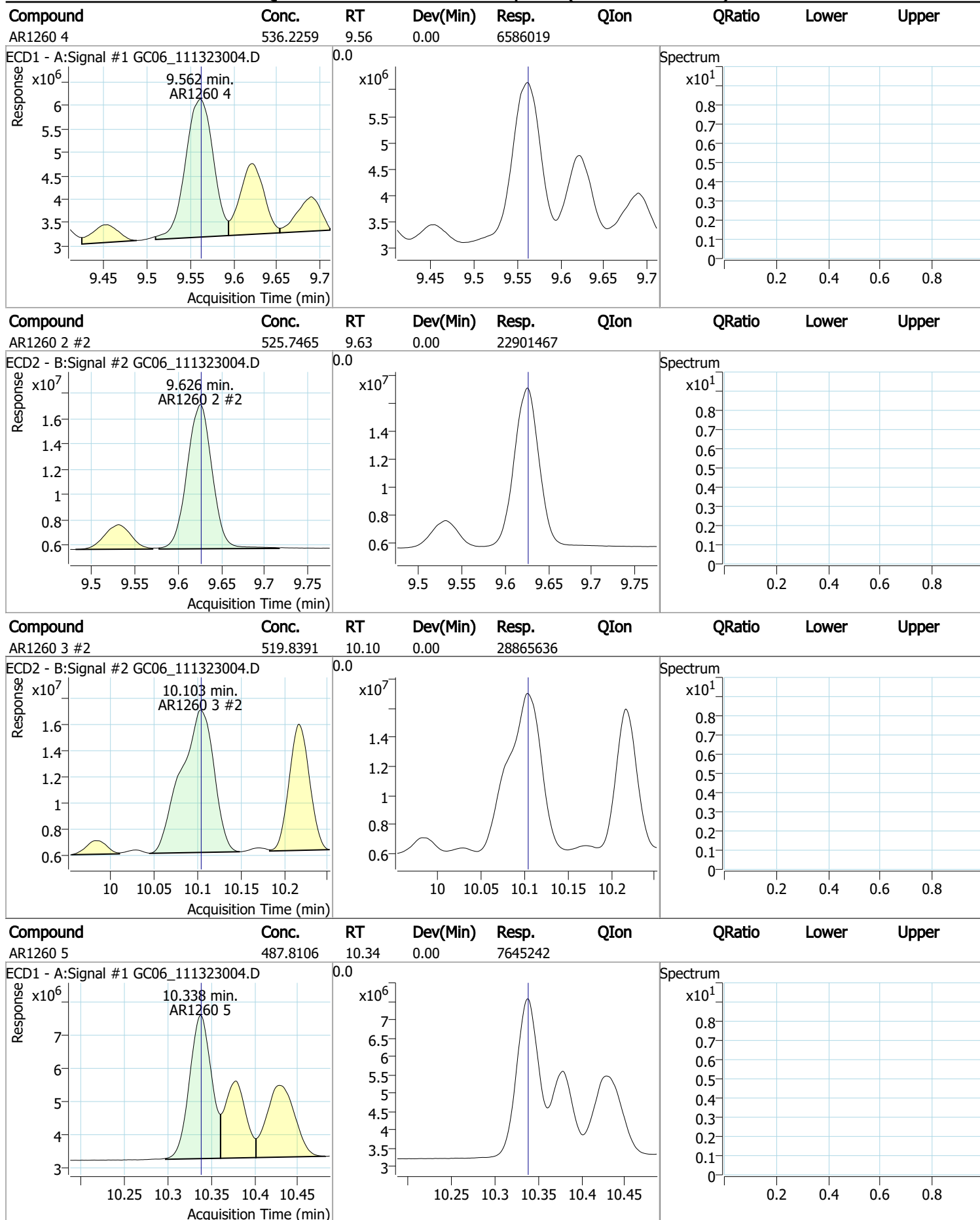
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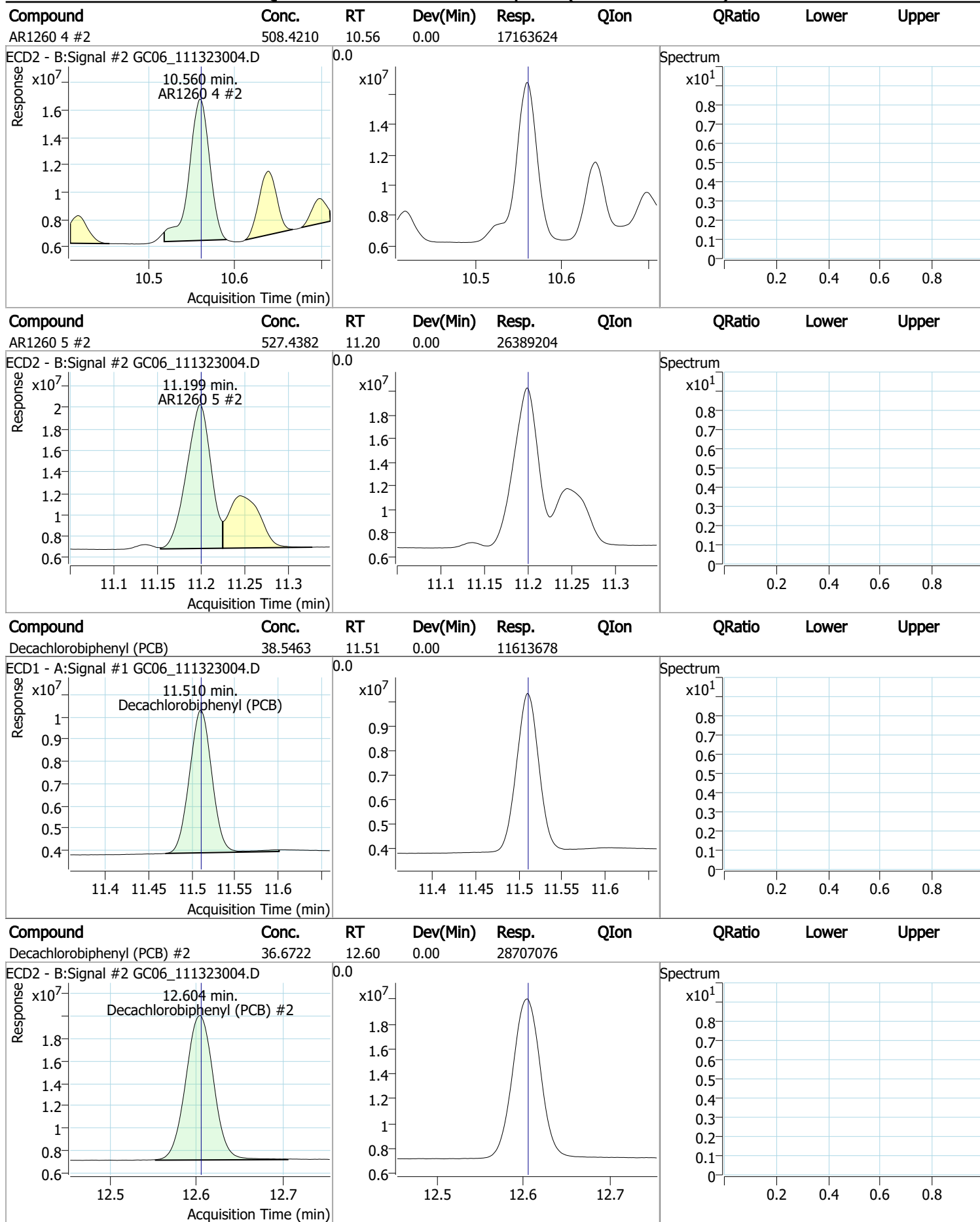
Quantitation Results Report (Not Reviewed)



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: 495753
Report Level: IV
Report Date: 11/17/2023

Metals

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

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

Lab Job #: 495753
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 11/09/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C12E-EXT-1 TO 2-231109-L-WF	495753-002	11/09/23 07:30	Wipe
ARCH-C12E-EXT-1 TO 2-231109-L-DUP-WF	495753-003	11/09/23 07:30	Wipe
ARCH-C13E-EXT-1 TO 2-231109-L-WF	495753-005	11/09/23 07:20	Wipe
ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-L-LA	495753-008	11/09/23 07:40	Wipe
ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-L-LA	495753-010	11/09/23 07:55	Wipe
ARCH-C13E-DG-2 TO 2.5-231109-L-FB	495753-012	11/09/23 08:05	Wipe
ARCH-C13E-DG-2 TO 2.5-231109-L-DUP-FB	495753-013	11/09/23 08:05	Wipe
ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-L-LA	495753-015	11/09/23 08:25	Wipe
ARCH-C12E-DG-2.5 TO 3-231109-L-FB	495753-017	11/09/23 08:30	Wipe
ARCH-C13E-PS-2.5-231109-L-G	495753-019	11/09/23 08:45	Wipe
ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-L-LA	495753-021	11/09/23 09:10	Wipe
ARCH-C13E-INT-2.5 TO 3.5-231109-L-WF	495753-023	11/09/23 08:55	Wipe

Case Narrative

METALS (EPA 6010B)

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

Lab Job Number: 495753
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 11/09/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 11/10/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

495753

Enthalpy Analytical - Orange		Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
Enthalpy Analytical - Orange		COC ID:		Standard:	
931 W. Barkley Avenue, Orange, CA 92668		Page: 1 of 2		5 Day: 3 Day:	
Phone 714-771-6900		Matrix: A = Air S = Soil/Solid		1 Day: custom TAT:	
		W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water		Preservatives:	
		SW = Swab T = Tissue WP = Wipe O = Other		1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃	
				4 = H ₂ SO ₄ 5 = NaOH 6 = Other	
				Sample Receipt Temp:	
				(lab use only)	
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721	Confirmation Wipe Samples - Level IV	
Report To:	Undsay Parker	Proj. Name:	Hanger 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/lit 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 6 Enclosure A/B (Low Occupancy)	
Fax:		Sampled By:	M. Kim		
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 ARCH-C12E-EXT-1 TO 2-231109-P-WF	11/9/2023	0730	WP	1	-
2 ARCH-C12E-EXT-1 TO 2-231109-L-WF	11/9/2023	0730	WP	1	-
3 ARCH-C12E-EXT-1 TO 2-231109-L-DUP-WF	11/9/2023	0730	WP	1	-
4 ARCH-C13E-EXT-1 TO 2-231109-P-WF	11/9/2023	0720	WP	1	-
5 ARCH-C13E-EXT-1 TO 2-231109-L-WF	11/9/2023	0720	WP	1	-
6 ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-LA	11/9/2023	0740	WP	1	-
7 ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-DUP-LA	11/9/2023	0740	WP	1	-
8 ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-L-LA	11/9/2023	0740	WP	1	-
9 ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-P-LA	11/9/2023	0755	WP	1	-
10 ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-L-LA	11/9/2023	0755	WP	1	-
11 ARCH-C13E-DG-2 TO 2.5-231109-P-FB	11/9/2023	0805	WP	1	-
12 ARCH-C13E-DG-2 TO 2.5-231109-L-FB	11/9/2023	0805	WP	1	-
13 ARCH-C13E-DG-2 TO 2.5-231109-L-DUP-FB	11/9/2023	0805	WP	1	-
14 ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-P-LA	11/9/2023	0825	WP	1	-
15 ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-L-LA	11/9/2023	0825	WP	1	-
Signature		Print Name		Company / Title	
1 Relinquished By:	<i>[Signature]</i>	Michaela Kim		Rincon Consultants	
1 Received By:	<i>[Signature]</i>	Audrey Hudson		ENTHALPY	
2 Relinquished By:	<i>[Signature]</i>	Audrey Hudson		"	
2 Received By:	<i>[Signature]</i>	MacNeill		PA	
3 Relinquished By:	<i>[Signature]</i>	MacNeill		PA	
3 Received By:	<i>[Signature]</i>	MacNeill		PA	
				Date / Time	
				11/9/23 @ 14:45	
				11/9/23 @ 14:45	
				11/9/23 @ 16:24	
				11/9/23 @ 16:24	
				11/9/23 @ 17:26	
				11/9/23 @ 18:18	

1x Rinet Type 2 = 9-27-23 on 2

495753

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID:		Standard:	5 Day:	1 Day:	3 Day:
Page: 2 of 2		X (PCBs)		X (PB)	custom TAT:
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 IV (lab use only)			
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721	Test Instructions / Comments	
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP	Confirmation Wipe Samples - Level IV	
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491	Report/Stage 3 Validation	
Address:	449 15th Street, Suite 303	P.O. #:		Report PCB concentrations on a µg/100cm ² basis	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA	Report lead concentrations on a µg/l ₂ basis	
Phone:	(651) 890-9556	Global ID:		Report Aroclor 1268 concentrations in addition to the standard Aroclors	
Fax:		Sampled By:	M. Kim	Wipe samples collected from Zone 6 Enclosure A/B (Low Occupancy)	
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
16 ARCH-C12E-DG-2.5 TO 3-231109-P-FB	11/9/2023	0830	WP	1	-
17 ARCH-C12E-DG-2.5 TO 3-231109-L-FB	11/9/2023	0850	WP	1	-
18 ARCH-C13E-PS-2.5-231109-P-G	11/9/2023	0845	WP	1	-
19 ARCH-C13E-PS-2.5-231109-L-G	11/9/2023	0845	WP	1	-
20 ARCH-C12E-DG-3 TO 3.5-UP-231109-P-LA	11/9/2023	0910	WP	1	-
21 ARCH-C12E-DG-3 TO 3.5-UP-231109-L-LA	11/9/2023	0910	WP	1	-
22 ARCH-C13E-INT-2.5 TO 3.5-231109-P-WF	11/9/2023	0855	WP	1	-
23 ARCH-C13E-INT-2.5 TO 3.5-231109-L-WF	11/9/2023	0855	WP	1	-
24					
25					
26					
27					
28					
29					
30					

Signature	Print Name	Company / Title	Date / Time
	Michaela Kim	Rincon Env Scientist	11/9/23 @ 14:45
	Lindsay Parker	ENTHALPY	11/9/23 @ 14:45
	Lindsay Parker	"	11/9/23 @ 16:24
	Lindsay Parker	"	11/9/23 @ 16:24
	Lindsay Parker	"	11/9/23 @ 16:24
	Lindsay Parker	"	11/9/23 @ 16:24

ea
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 6/9/23 By (print) any (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 6/19/03 By (print) am (sign) [Signature]

Date Labeled 4/7/20 By (print) ny (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: <u>Rincon Consultants</u>	Project: <u>Hangar 1 NTCRA</u>
Date Received: <u>11/10/23</u>	Sampler's Name Present: ☒ Yes ☐ No

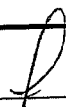
Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? <u>1</u> ☐ No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: <u>5.7</u> #2: _____ #3: _____ #4: _____	
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 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: <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>4.6</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
<u>495753</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: NOV 10 2023

Enthalpy Analytical, a subsidiary of Montrose Environmental Group, Inc.
 931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal
 Sample Acceptance Checklist - Rev 4, 8/8/2017

SOUTHWEST AIRLINES

Printed on:
09 NOV 19:37

526 OAK 9542 7253



SNA

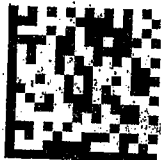
PC#
7 OF

11
DG
G

LOT WT
445 LB
(201.8 KG)

OAK WN 804 10 NOV 06:10

STN FLT DATE ETD LOT 01



PC ID: 0007
PC WT: 40LB

526 95427253 0007

S

4.0/5.7

Results & QC Summary

Lead

Lab #: 495753		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C12E-EXT-1 TO 2-231109-L-WF		Batch#: 326326	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495753-002		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/13/23	
495753-002 Analyte		Result	RL Units
Lead		27	0.50 ug/ft2
Field ID: ARCH-C12E-EXT-1 TO 2-231109-L-DUP-WF		Batch#: 326326	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495753-003		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/13/23	
495753-003 Analyte		Result	RL Units
Lead		25	0.50 ug/ft2
Field ID: ARCH-C13E-EXT-1 TO 2-231109-L-WF		Batch#: 326326	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495753-005		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/13/23	
495753-005 Analyte		Result	RL Units
Lead		69	0.50 ug/ft2
Field ID: ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-L-LA		Batch#: 326326	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495753-008		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/13/23	
495753-008 Analyte		Result	RL Units
Lead		74	0.50 ug/ft2
Field ID: ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-L-LA		Batch#: 326326	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495753-010		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/13/23	
495753-010 Analyte		Result	RL Units
Lead		110	0.50 ug/ft2

Lead

Lab #: 495753		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C13E-DG-2 TO 2.5-231109-L-FB		Batch#: 326326	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495753-012		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/13/23	
495753-012 Analyte		Result	RL Units
Lead		100	0.50 ug/ft2
Field ID: ARCH-C13E-DG-2 TO 2.5-231109-L-DUP-FB		Batch#: 326326	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495753-013		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/13/23	
495753-013 Analyte		Result	RL Units
Lead		140	0.50 ug/ft2
Field ID: ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-L-LA		Batch#: 326326	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495753-015		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/13/23	
495753-015 Analyte		Result	RL Units
Lead		110	0.50 ug/ft2
Field ID: ARCH-C12E-DG-2.5 TO 3-231109-L-FB		Batch#: 326326	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495753-017		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/13/23	
495753-017 Analyte		Result	RL Units
Lead		72	0.50 ug/ft2
Field ID: ARCH-C13E-PS-2.5-231109-L-G		Batch#: 326326	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/09/23	Analysis: EPA 6010B
Lab ID: 495753-019		Received: 11/09/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/10/23	
Diln Fac: 1.000		Analyzed: 11/13/23	
495753-019 Analyte		Result	RL Units
Lead		53	0.50 ug/ft2

Lead

Lab #: 495753

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-L-LA

Type: SAMPLE

Lab ID: 495753-021

Matrix: Wipe

Diln Fac: 1.000

Batch#: 326326

Sampled: 11/09/23

Received: 11/09/23

Prepared: 11/10/23

Analyzed: 11/13/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

495753-021 Analyte	Result	RL	Units
Lead	200	0.50	ug/ft2

Field ID: ARCH-C13E-INT-2.5 TO 3.5-231109-L-WF

Type: SAMPLE

Lab ID: 495753-023

Matrix: Wipe

Diln Fac: 1.000

Batch#: 326326

Sampled: 11/09/23

Received: 11/09/23

Prepared: 11/10/23

Analyzed: 11/13/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

495753-023 Analyte	Result	RL	Units
Lead	23	0.50	ug/ft2

Type: BLANK

Lab ID: QC1106346

Matrix: Wipe

Diln Fac: 1.000

Batch#: 326326

Prepared: 11/10/23

Analyzed: 11/13/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1106346 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 495753

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 326326

Analysis: EPA 6010B

Lab ID: QC1106347

Prepared: 11/10/23

Analyst: SBW

Matrix: Wipe

Analyzed: 11/13/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1106347 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.27	105	80-120	ug/ft2

Type: BSD

Batch#: 326326

Analysis: EPA 6010B

Lab ID: QC1106348

Prepared: 11/10/23

Analyst: SBW

Matrix: Wipe

Analyzed: 11/13/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1106348 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.27	103	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 495753 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	P B
495753-002	MET06	11/13/23 10:10	1.0	✓
495753-003	MET06	11/13/23 10:13	1.0	✓
495753-005	MET06	11/13/23 10:16	1.0	✓
495753-008	MET06	11/13/23 10:20	1.0	✓
495753-010	MET06	11/13/23 10:23	1.0	✓
495753-012	MET06	11/13/23 10:26	1.0	✓
495753-013	MET06	11/13/23 10:29	1.0	✓
495753-015	MET06	11/13/23 10:33	1.0	✓
495753-017	MET06	11/13/23 10:43	1.0	✓
495753-019	MET06	11/13/23 10:46	1.0	✓
495753-021	MET06	11/13/23 10:50	1.0	✓
495753-023	MET06	11/13/23 10:53	1.0	✓
QC1106346	MET06	11/13/23 09:54	1.0	✓
QC1106347	MET06	11/13/23 10:03	1.0	✓
QC1106348	MET06	11/13/23 10:07	1.0	✓

Instrument: MET06
Method: EPA 6010B

Begun: 11/13/23 08:37

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
001	met06_master011	ICALBLK	CALBLANK			11/13/23 08:37	1.0	1	
002	met06_master011	ICAL	L1			11/13/23 08:41	1.0	2 1	
003	met06_master011	ICAL	L2			11/13/23 08:44	1.0	3 1	
004	met06_master011	ICAL	L3			11/13/23 08:47	1.0	4 1	
005	met06_master011	ICAL	L4			11/13/23 08:50	1.0	5 1	
006	met06_master011	ICAL	L5			11/13/23 08:54	1.0	6 1	
007	met06_master011	ICAL	L6			11/13/23 08:57	1.0	7 1	
008	met06_master011	ICAL	L7			11/13/23 09:00	1.0	8 1	
009	met06_master011	ICAL	L8			11/13/23 09:04	1.0	9 1	
010	met06_master011	ICV				11/13/23 09:07	1.0	10 1	
011	met06_master011	CRI				11/13/23 09:10	1.0	11 1	
012	met06_master011	ICB				11/13/23 09:14	1.0	1	
013	met06_master011	ICSA				11/13/23 09:17	1.0	12 1	5:MGASMGCO3=1500
014	met06_master011	ICSAB				11/13/23 09:21	1.0	13 1	5:MGASMGCO3=1500
015	met06_master011	BLANK	QC1106474	Water	326365	11/13/23 09:24	1.0	1	
016	met06_master011	LCS	QC1106475	Water	326365	11/13/23 09:28	1.0	1	
017	met06_master011	SAMPLE	495404-001	Water	326365	11/13/23 09:31	1.0	1	
018	met06_master011	MSS	495524-001	Water	326365	11/13/23 09:34	1.0	1	1:CAASCACO3=260
019	met06_master011	MS	QC1106476	Water	326365	11/13/23 09:37	1.0	1	1:CAASCACO3=310
020	met06_master011	MSD	QC1106477	Water	326365	11/13/23 09:41	1.0	1	1:CAASCACO3=300
021	met06_master011	SAMPLE	495675-001	Water	326365	11/13/23 09:44	1.0	1	1:NA=1500
022	met06_master011	SAMPLE	495675-002	Water	326365	11/13/23 09:47	1.0	1	1:NA=1500
023	met06_master011	SAMPLE	495708-001	Water	326365	11/13/23 09:50	1.0	1	
024	met06_master011	BLANK	QC1106346	Wipe	326326	11/13/23 09:54	1.0	1	
025	met06_master011	CCV				11/13/23 09:57	1.0	10 1	
026	met06_master011	CCB				11/13/23 10:00	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 11/13/23 08:37

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master011	BS	QC1106347	Wipe	326326	11/13/23 10:03	1.0	1	
028	met06_master011	BSD	QC1106348	Wipe	326326	11/13/23 10:07	1.0	1	
029	met06_master011	SAMPLE	495753-002	Wipe	326326	11/13/23 10:10	1.0	1	1:FE=91
030	met06_master011	SAMPLE	495753-003	Wipe	326326	11/13/23 10:13	1.0	1	1:FE=89
031	met06_master011	SAMPLE	495753-005	Wipe	326326	11/13/23 10:16	1.0	1	2:FE=110
032	met06_master011	SAMPLE	495753-008	Wipe	326326	11/13/23 10:20	1.0	1	2:ZN=220
033	met06_master011	SAMPLE	495753-010	Wipe	326326	11/13/23 10:23	1.0	1	1:FE=110
034	met06_master011	SAMPLE	495753-012	Wipe	326326	11/13/23 10:26	1.0	1	1:FE=95
035	met06_master011	SAMPLE	495753-013	Wipe	326326	11/13/23 10:29	1.0	1	1:FE=130
036	met06_master011	SAMPLE	495753-015	Wipe	326326	11/13/23 10:33	1.0	1	1:FE=57
037	met06_master011	CCV				11/13/23 10:36	1.0	10 1	
038	met06_master011	CCB				11/13/23 10:39	1.0	1	
039	met06_master011	SAMPLE	495753-017	Wipe	326326	11/13/23 10:43	1.0	1	1:FE=53
040	met06_master011	SAMPLE	495753-019	Wipe	326326	11/13/23 10:46	1.0	1	1:FE=53
041	met06_master011	SAMPLE	495753-021	Wipe	326326	11/13/23 10:50	1.0	1	1:FE=72
042	met06_master011	SAMPLE	495753-023	Wipe	326326	11/13/23 10:53	1.0	1	1:FE=120
043	met06_master011	BLANK	QC1106008	WET Leachate	326227	11/13/23 10:57	1.0	1	
044	met06_master011	BS	QC1106009	WET Leachate	326227	11/13/23 11:00	1.0	1	
045	met06_master011	BSD	QC1106010	WET Leachate	326227	11/13/23 11:03	1.0	1	
046	met06_master011	SAMPLE	495543-001	WET Leachate	326227	11/13/23 11:06	1.0	1	
047	met06_master011	SAMPLE	495558-001	WET Leachate	326227	11/13/23 11:10	1.0	1	
048	met06_master011	SAMPLE	495585-001	WET Leachate	326227	11/13/23 11:13	1.0	1	
049	met06_master011	CCV				11/13/23 11:16	1.0	10 1	
050	met06_master011	CCB				11/13/23 11:19	1.0	1	

Standards Used:

1=S14463 2=S19164 3=S19163 4=S19162 5=S19161 6=S19156 7=S19112 8=S19241 9=S18727 10=S19393 11=S19240 12=S19107 13=S19267

Date: 11/13/23		Reference: met06_master011			
Sequence: MET06 11/13/23		Analyzed: 11/13/23 08:37			
#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	40844500	2065650	1250430
		LOWER LIMIT	12253350	619695	375129
		UPPER LIMIT	81689000	4131300	2500860
012	ICB		37903200	1935370	1163870
013	ICSA		33855600	1710060	1091860
014	ICSAB		33871600	1701430	1096900
015	BLANK	QC1106474	37721800	1902350	1158320
016	LCS	QC1106475	36587300	1846490	1130050
017	SAMPLE	495404-001	37182000	1906010	1145380
018	MSS	495524-001	36215500	1823190	1122360
019	MS	QC1106476	35541800	1789030	1122460
020	MSD	QC1106477	35706100	1806960	1125060
021	SAMPLE	495675-001	32232200	1671060	1058380
022	SAMPLE	495675-002	32699200	1669370	1056140
023	SAMPLE	495708-001	38698300	2003100	1274060
024	BLANK	QC1106346	37112400	1882280	1145700
025	CCV		35529500	1856110	1130320
026	CCB		37658900	1929920	1148950
027	BS	QC1106347	36345600	1853380	1134220
028	BSD	QC1106348	36753500	1913180	1133920
029	SAMPLE	495753-002	36548900	1855130	1140830
030	SAMPLE	495753-003	35913900	1833420	1133130
031	SAMPLE	495753-005	35971100	1821360	1121850
032	SAMPLE	495753-008	36488400	1844310	1129150
033	SAMPLE	495753-010	35867900	1839040	1118610
034	SAMPLE	495753-012	35907800	1813340	1124380
035	SAMPLE	495753-013	36256600	1844800	1123320
036	SAMPLE	495753-015	36181500	1823470	1121320
037	CCV		36106100	1870870	1116740
038	CCB		38269800	1945790	1145600
039	SAMPLE	495753-017	36221300	1824560	1120150
040	SAMPLE	495753-019	36453200	1834570	1119900
041	SAMPLE	495753-021	36224200	1834750	1137330
042	SAMPLE	495753-023	36417200	1825830	1125210
043	BLANK	QC1106008	36579500	1897100	1136530
044	BS	QC1106009	36415900	1896820	1132640
045	BSD	QC1106010	36639800	1885370	1130590
046	SAMPLE	495543-001	36022100	1855620	1138870
047	SAMPLE	495558-001	36096600	1834910	1144930
048	SAMPLE	495585-001	36090800	1866220	1129280
049	CCV		35536000	1832070	1115920
050	CCB		36609600	1886440	1134830

Instrument: MET06

Calibration #: 483456997001

Units: mg/L

Date: 13-NOV-2023 08:37

X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483456997002	L1	13-NOV-2023 08:41	S19164, S14463 (100X)
L2	met06_master011	483456997003	L2	13-NOV-2023 08:44	S19163, S14463 (100X)
L3	met06_master011	483456997004	L3	13-NOV-2023 08:47	S19162, S14463 (100X)
L4	met06_master011	483456997005	L4	13-NOV-2023 08:50	S19161, S14463 (100X)
L5	met06_master011	483456997006	L5	13-NOV-2023 08:54	S19156, S14463 (100X)
L6	met06_master011	483456997007	L6	13-NOV-2023 08:57	S19112, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00489	32.1568		0.0246	1.000		7	0.995	

$$\text{Instrument amount} = a0 + (\text{response} \times a1) + (\text{response}^2 \times a2)$$

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	0.0049	0.0151	0.0323	0.0328	0.0314	0.0310

Spiked Amounts / Drifts	Ch	L1 %D	L2 %D	L3 %D	L4 %D	L5 %D	L6 %D
Lead	A	0.0033 63	0.0100 -2	0.1000 9	1.0000 6	5.0000 1	10.000 0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 495753 METALS Wipe
EPA 6010B

Inst: MET06
Calnum: 483456997001

Cal Date: 13-NOV-2023

- ICV 483456997010 (13-NOV-2023) stds: S19393, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.031	mg/l	3	10	

ENTHALPY INSTRUMENT BLANK FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997012	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 09:14
Caldate: 13-NOV-2023	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	37903200	-7.20
Yttrium	A	2065650	1935370	-6.31
Yttrium	R	1250430	1163870	-6.92

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997013	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 09:17
Caldate: 13-NOV-2023	

Standards: S19107, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.01662	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	148.8	mg/l	93	
Calcium	R	400.0	400.3	mg/l	100	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	33855600	-17.11
Yttrium	A	2065650	1710060	-17.21
Yttrium	R	1250430	1091860	-12.68

+ = high bias a = ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997014	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 09:21
Caldate: 13-NOV-2023	

Standards: S19267, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.071	mg/l	7	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	33871600	-17.07
Yttrium	A	2065650	1701430	-17.63
Yttrium	R	1250430	1096900	-12.28

ENTHALPY CONTINUING CALIBRATION FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997025	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 09:57
Caldate: 13-NOV-2023	

Standards: S19393, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0246	0.0318	1.000	1.028	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	35529500	-13.01
Yttrium	A	2065650	1856110	-10.14
Yttrium	R	1250430	1130320	-9.61

ENTHALPY INSTRUMENT BLANK FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997026	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 10:00
Caldate: 13-NOV-2023	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	37658900	-7.80
Yttrium	A	2065650	1929920	-6.57
Yttrium	R	1250430	1148950	-8.12

ENTHALPY CONTINUING CALIBRATION FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997037	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 10:36
Caldate: 13-NOV-2023	

Standards: S19393, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0246	0.0317	1.000	1.024	mg/l	2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	36106100	-11.60
Yttrium	A	2065650	1870870	-9.43
Yttrium	R	1250430	1116740	-10.69

ENTHALPY INSTRUMENT BLANK FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997038	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 10:39
Caldate: 13-NOV-2023	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	38269800	-6.30
Yttrium	A	2065650	1945790	-5.80
Yttrium	R	1250430	1145600	-8.38

ENTHALPY CONTINUING CALIBRATION FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997049	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 11:16
Caldate: 13-NOV-2023	

Standards: S19393, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0246	0.0318	1.000	1.028	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	35536000	-13.00
Yttrium	A	2065650	1832070	-11.31
Yttrium	R	1250430	1115920	-10.76

ENTHALPY INSTRUMENT BLANK FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997050	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 11:19
Caldate: 13-NOV-2023	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	36609600	-10.37
Yttrium	A	2065650	1886440	-8.68
Yttrium	R	1250430	1134830	-9.24

SAMPLE PREPARATION SUMMARY

Batch #: 326326
Started By: MLL

Method: 3050B
Prep Date: 10-NOV-2023

Analysis: ICP
Finished By: MLL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18799	Spike S18800	Analysis
495753-002	Wipe	1 ft2	50 mL	50.0				6010
495753-003	Wipe	1 ft2	50 mL	50.0				6010
495753-005	Wipe	1 ft2	50 mL	50.0				6010
495753-008	Wipe	1 ft2	50 mL	50.0				6010
495753-010	Wipe	1 ft2	50 mL	50.0				6010
495753-012	Wipe	1 ft2	50 mL	50.0				6010
495753-013	Wipe	1 ft2	50 mL	50.0				6010
495753-015	Wipe	1 ft2	50 mL	50.0				6010
495753-017	Wipe	1.0828 ft2	50 mL	46.18				6010
495753-019	Wipe	1 ft2	50 mL	50.0				6010
495753-021	Wipe	1 ft2	50 mL	50.0				6010
495753-023	Wipe	1 ft2	50 mL	50.0				6010
QC1106346 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1106347 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1106348 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP

Analyst: SBW 11/13/23

Reviewer: MCP 11/13/23

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

Initials: ML Prep Method: 3050B / 1420.2 / Other: _____ QC Batch #: 326326 Therm ID/Corr Factor: 912650 / 0
Prep Start, Date/Time: 11/11/23 8:20 Prep End, Date/Time: 11/11/23 10:12 HotBlock Temp (Obs/Cor), °C: 97 / 97
HotBlock ID: #3

[illegible]

Hydrochloric Acid ID:	1000	24002692	LCS Spike ID:	6.5m	518799	518800
Nitric Acid ID:	1000	24002692	MS/MSD Spike ID:			
H ₂ O ID:	300	24002692	Gold Std ID:			

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Enthalpy Analytical, Orange, Logbook # BK1219

ICP & ICP-MS Soil Prep Log, Rev. 0, 06/30/2023

ICP Raw Data

Instrument: MET06

Begun: 11/13/23 08:37

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
001	met06_master011	ICALBLK	CALBLANK			11/13/23 08:37	1.0	1	
002	met06_master011	ICAL	L1			11/13/23 08:41	1.0	2 1	
003	met06_master011	ICAL	L2			11/13/23 08:44	1.0	3 1	
004	met06_master011	ICAL	L3			11/13/23 08:47	1.0	4 1	
005	met06_master011	ICAL	L4			11/13/23 08:50	1.0	5 1	
006	met06_master011	ICAL	L5			11/13/23 08:54	1.0	6 1	
007	met06_master011	ICAL	L6			11/13/23 08:57	1.0	7 1	
008	met06_master011	ICAL	L7			11/13/23 09:00	1.0	8 1	
009	met06_master011	ICAL	L8			11/13/23 09:04	1.0	9 1	
010	met06_master011	ICV				11/13/23 09:07	1.0	10 1	
011	met06_master011	CRI				11/13/23 09:10	1.0	11 1	
012	met06_master011	ICB				11/13/23 09:14	1.0	1	
013	met06_master011	ICSA				11/13/23 09:17	1.0	12 1	5:MGASMGCO3=1500
014	met06_master011	ICSAB				11/13/23 09:21	1.0	13 1	5:MGASMGCO3=1500
015	met06_master011	BLANK	QC1106474	Water	326365	11/13/23 09:24	1.0	1	
016	met06_master011	LCS	QC1106475	Water	326365	11/13/23 09:28	1.0	1	
017	met06_master011	SAMPLE	495404-001	Water	326365	11/13/23 09:31	1.0	1	
018	met06_master011	MSS	495524-001	Water	326365	11/13/23 09:34	1.0	1	1:CAASCACO3=260
019	met06_master011	MS	QC1106476	Water	326365	11/13/23 09:37	1.0	1	1:CAASCACO3=310
020	met06_master011	MSD	QC1106477	Water	326365	11/13/23 09:41	1.0	1	1:CAASCACO3=300
021	met06_master011	SAMPLE	495675-001	Water	326365	11/13/23 09:44	1.0	1	1:NA=1500
022	met06_master011	SAMPLE	495675-002	Water	326365	11/13/23 09:47	1.0	1	1:NA=1500
023	met06_master011	SAMPLE	495708-001	Water	326365	11/13/23 09:50	1.0	1	
024	met06_master011	BLANK	QC1106346	Wipe	326326	11/13/23 09:54	1.0	1	
025	met06_master011	CCV				11/13/23 09:57	1.0	10 1	
026	met06_master011	CCB				11/13/23 10:00	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 11/13/23 08:37

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master011	BS	QC1106347	Wipe	326326	11/13/23 10:03	1.0	1	
028	met06_master011	BSD	QC1106348	Wipe	326326	11/13/23 10:07	1.0	1	
029	met06_master011	SAMPLE	495753-002	Wipe	326326	11/13/23 10:10	1.0	1	1:FE=91
030	met06_master011	SAMPLE	495753-003	Wipe	326326	11/13/23 10:13	1.0	1	1:FE=89
031	met06_master011	SAMPLE	495753-005	Wipe	326326	11/13/23 10:16	1.0	1	2:FE=110
032	met06_master011	SAMPLE	495753-008	Wipe	326326	11/13/23 10:20	1.0	1	2:ZN=220
033	met06_master011	SAMPLE	495753-010	Wipe	326326	11/13/23 10:23	1.0	1	1:FE=110
034	met06_master011	SAMPLE	495753-012	Wipe	326326	11/13/23 10:26	1.0	1	1:FE=95
035	met06_master011	SAMPLE	495753-013	Wipe	326326	11/13/23 10:29	1.0	1	1:FE=130
036	met06_master011	SAMPLE	495753-015	Wipe	326326	11/13/23 10:33	1.0	1	1:FE=57
037	met06_master011	CCV				11/13/23 10:36	1.0	10 1	
038	met06_master011	CCB				11/13/23 10:39	1.0	1	
039	met06_master011	SAMPLE	495753-017	Wipe	326326	11/13/23 10:43	1.0	1	1:FE=53
040	met06_master011	SAMPLE	495753-019	Wipe	326326	11/13/23 10:46	1.0	1	1:FE=53
041	met06_master011	SAMPLE	495753-021	Wipe	326326	11/13/23 10:50	1.0	1	1:FE=72
042	met06_master011	SAMPLE	495753-023	Wipe	326326	11/13/23 10:53	1.0	1	1:FE=120
043	met06_master011	BLANK	QC1106008	WET Leachate	326227	11/13/23 10:57	1.0	1	
044	met06_master011	BS	QC1106009	WET Leachate	326227	11/13/23 11:00	1.0	1	
045	met06_master011	BSD	QC1106010	WET Leachate	326227	11/13/23 11:03	1.0	1	
046	met06_master011	SAMPLE	495543-001	WET Leachate	326227	11/13/23 11:06	1.0	1	
047	met06_master011	SAMPLE	495558-001	WET Leachate	326227	11/13/23 11:10	1.0	1	
048	met06_master011	SAMPLE	495585-001	WET Leachate	326227	11/13/23 11:13	1.0	1	
049	met06_master011	CCV				11/13/23 11:16	1.0	10 1	
050	met06_master011	CCB				11/13/23 11:19	1.0	1	

Standards Used:

1=S14463 2=S19164 3=S19163 4=S19162 5=S19161 6=S19156 7=S19112 8=S19241 9=S18727 10=S19393 11=S19240 12=S19107 13=S19267

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-002	Client ID: ARCH-C12E-EXT-1 TO 2-231109-L-WF
Seqnum: 483456997029	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:10
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5429	27	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1855130	-10.19

!=warning +=high bias <=opening a=ICSA u=use

Sample Name: 495753-002,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:10:24

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	84361.5000000	18639.7000000	9643.18000000	18520.7000000	18672.9000000	201875	21933.9000000
Int RSD	0.39580496	0.34804316	0.78742075	1.20331305	0.07095845	0.85517771	0.36901053
Int SD	333.90700000	64.87420000	75.93240000	222.86200000	13.25000000	1726.39000000	80.93840000
RelInt Mean	0.00002807	0.00334703	-0.00036761	0.00286596	0.00249115	0.17248200	0.00479418
RelInt RSD	45.69066876	4.36715536	8.39940045	4.50348225	2.31169942	0.80604933	0.49816653
RelInt SD	0.00001282	0.00014617	0.00003088	0.00012907	0.00005759	0.00139029	0.00002388
Conc Mean	<0.00107857[mg/l]	0.39444500[mg/l]	<-0.01458300[mg/l]	0.02339610[mg/l]	0.00767724[mg/l]	7.27344000[mg/l]	0.02548350[mg/l]
Conc RSD	49.44797278	5.25799541	10.26044024	6.51510294	2.33745461	0.83662614	0.50695548
Conc SD	0.00053333[mg/l]	0.02073990[mg/l]	0.00149628[mg/l]	0.00152428[mg/l]	0.00017945[mg/l]	0.06085150[mg/l]	0.00012919[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	32645.9000000	339034	48944700	8333.22000000	24573.9000000	1701630	10072.8000000
Int RSD	0.68388986	2.37582071	1.12911919	1.37124665	1.17854309	0.26999700	0.90786574
Int SD	223.26200000	8054.84000000	552644	114.26900000	289.61400000	4594.35000000	91.44750000
RelInt Mean	0.01079560	0.00733496	26.62730000	0.00229437	0.00794602	0.91628000	-0.00018609
RelInt RSD	1.30076142	2.95738491	1.07937718	3.29646482	1.02070470	0.68527415	37.28121792
RelInt SD	0.00014042	0.00021692	0.28740900	0.00007563	0.00008111	0.00627903	0.00006938
Conc Mean	0.06636020[mg/l]	0.23491200[mg/l]	91.03060000[mg/l]	2.82569000[mg/l]	3.04674000[mg/l]	0.60647100[mg/l]	<-0.00195483[mg/l]
Conc RSD	1.30856748	3.08837352	1.07938429	4.07596021	1.07523451	0.68583329	29.19384294
Conc SD	0.00086837[mg/l]	0.00725496[mg/l]	0.98257000[mg/l]	0.11517400[mg/l]	0.03275960[mg/l]	0.00415938[mg/l]	0.00057069[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	74645.5000000	34785.4000000	45451.8000000	10980.2000000	10262.3000000	14384.7000000	29319.7000000
Int RSD	0.49435130	0.68121108	0.41712319	0.30582139	2.02934040	0.39489319	0.28683991
Int SD	369.01100000	236.96200000	189.59000000	33.57980000	208.25700000	56.80420000	84.10060000
RelInt Mean	0.04654150	0.01116760	0.01681310	0.00020792	0.00033156	0.00101542	0.01367590
RelInt RSD	0.62031305	0.61958523	0.36209146	32.16717328	45.77514914	1.23761596	1.72503455
RelInt SD	0.00028870	0.00006919	0.00006088	0.00006688	0.00015177	0.00001257	0.00023591
Conc Mean	5.59381000[mg/l]	0.09138920[mg/l]	0.54289700[mg/l]	0.00787909[mg/l]	0.01937160[mg/l]	0.02013750[mg/l]	0.01353050[mg/l]
Conc RSD	0.63766914	0.61564933	0.35597544	42.20093945	45.48457536	1.27911608	1.91558331
Conc SD	0.03567000[mg/l]	0.00056264[mg/l]	0.00193258[mg/l]	0.00332505[mg/l]	0.00881109[mg/l]	0.00025758[mg/l]	0.00025919[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	245679	8704.03000000	24431.0000000	1855130	36548900	1140830	8546290
Int RSD	3.21980308	0.57080801	1.07759404	0.46901996	0.15863897	0.29518421	0.32590867
Int SD	7910.38000000	49.68330000	263.26700000	8700.93000000	57980.8000000	3367.55000000	27853.1000000
RelInt Mean	0.00432875	-0.00083643	0.00008125	---	---	---	4.64579000
RelInt RSD	4.93244008	5.03339809	2.09069213	---	---	---	0.70307956
RelInt SD	0.00021351	0.00004210	0.00000170	---	---	---	0.03266360
Conc Mean	0.03994680[mg/l]	<-0.05408780[mg/l]	0.00394948[mg/l]	1837340	36436900	1126740	14.77540000[mg/l]
Conc RSD	5.06881653	5.39419241	7.02715294	---	---	---	0.70323646
Conc SD	0.00202483[mg/l]	0.00291760[mg/l]	0.00027754[mg/l]	8680.46000000	58088.8000000	3546.85000000	0.10390600[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6536.34000000	21863.9000000	127321	89051.0000000	13773.7000000	97476.4000000	
Int RSD	1.02555406	0.37071931	0.92978377	0.14687875	0.43276171	0.43691704	
Int SD	67.03370000	81.05370000	1183.81000000	130.79700000	59.60730000	425.89100000	
RelInt Mean	-0.00015537	0.00027710	0.06155320	0.04204660	-0.00000796	0.04657280	
RelInt RSD	39.03436335	53.07898839	0.65857665	0.63602289	662.43115780	0.37651805	
RelInt SD	0.00006065	0.00014708	0.00040537	0.00026743	0.00005274	0.00017536	
Conc Mean	<0.00035342[mg/l]	<0.00788537[mg/l]	0.98412100[mg/l]	1.04652000[mg/l]	<-0.00054495[mg/l]	3.54795000[mg/l]	
Conc RSD	41.85480608	39.62629528	0.66876024	0.63800596	33.86004639	0.37522795	
Conc SD	0.00014792[mg/l]	0.00312468[mg/l]	0.00658141[mg/l]	0.00667686[mg/l]	0.00018452[mg/l]	0.01331290[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-003	Client ID: ARCH-C12E-EXT-1 TO 2-231109-L-DUP-WF
Seqnum: 483456997030	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:13
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.4973	25	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1833420	-11.24

!=warning +=high bias <=opening a=ICSA u=use

Sample Name: 495753-003,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:13:39

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	84867.1000000	18321.6000000	9410.81000000	17946.2000000	20939.6000000	209459	21677.5000000
Int RSD	0.13719922	0.87209087	0.60834402	0.42922513	1.17766337	0.49649812	0.59359243
Int SD	116.43700000	159.78100000	57.25010000	77.02960000	246.59800000	1039.96000000	128.67600000
RelInt Mean	0.00003654	0.00286778	-0.00034680	0.00252886	0.00369418	0.18025700	0.00461393
RelInt RSD	40.49483407	3.19659807	9.63330238	2.51213590	2.02823360	0.36487737	1.97667281
RelInt SD	0.00001480	0.00009167	0.00003341	0.00006353	0.00007493	0.00065772	0.00009120
Conc Mean	<0.00072629[mg/l]	0.32644600[mg/l]	<-0.01356730[mg/l]	0.01941500[mg/l]	0.01145620[mg/l]	7.61364000[mg/l]	0.02451440[mg/l]
Conc RSD	84.72283225	3.98445685	11.92890258	3.86446047	2.11638240	0.37816077	2.04806971
Conc SD	0.00061534[mg/l]	0.01300710[mg/l]	0.00161843[mg/l]	0.00075028[mg/l]	0.00024246[mg/l]	0.02879180[mg/l]	0.00050207[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	30093.2000000	346438	47435300	8258.80000000	24660.1000000	1600630	10003.4000000
Int RSD	0.23471283	2.39077988	0.66472437	3.00360827	1.85354480	0.74841156	3.28882180
Int SD	70.63260000	8282.57000000	315314	248.06200000	457.08600000	11979.3000000	328.99400000
RelInt Mean	0.00944634	0.00766101	26.11940000	0.00213485	0.00782909	0.87162800	-0.00026501
RelInt RSD	0.90084520	2.60897715	1.19383294	7.45331054	3.82020133	0.18468659	92.07696255
RelInt SD	0.00008510	0.00019987	0.31182200	0.00015912	0.00029909	0.00160978	0.00024402
Conc Mean	0.05801560[mg/l]	0.24581700[mg/l]	89.29420000[mg/l]	2.58275000[mg/l]	2.99950000[mg/l]	0.57689600[mg/l]	<-0.00260407[mg/l]
Conc RSD	0.90713187	2.71947831	1.19389613	9.38201529	4.02790465	0.18479414	77.08241330
Conc SD	0.00052628[mg/l]	0.00668494[mg/l]	1.06608000[mg/l]	0.24231400[mg/l]	0.12081700[mg/l]	0.00106607[mg/l]	0.00200728[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	84670.2000000	34206.8000000	42722.9000000	11092.8000000	10347.6000000	13929.5000000	28960.7000000
Int RSD	0.76076235	0.41691710	0.14270801	0.62839860	0.06850139	1.29309738	1.63633130
Int SD	644.13900000	142.61400000	60.96900000	69.70700000	7.08825000	180.12200000	473.89300000
RelInt Mean	0.05549030	0.01093060	0.01539360	0.00013280	0.00044865	0.00103027	0.01332080
RelInt RSD	0.92505897	1.38608128	1.05564650	18.65161179	1.14616391	3.68870296	2.91116149
RelInt SD	0.00051332	0.00015151	0.00016250	0.00002477	0.00000514	0.00003800	0.00038779
Conc Mean	6.69930000[mg/l]	0.08946090[mg/l]	0.49731800[mg/l]	0.00418990[mg/l]	0.02616890[mg/l]	0.02044190[mg/l]	0.01314020[mg/l]
Conc RSD	0.94655262	1.37788688	1.04500340	29.34819447	1.14081983	3.81069274	3.24230225
Conc SD	0.06341240[mg/l]	0.00123267[mg/l]	0.00519699[mg/l]	0.00122966[mg/l]	0.00029854[mg/l]	0.00077898[mg/l]	0.00042604[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	191874	8638.49000000	24280.4000000	1833420	35913900	1133130	13035200
Int RSD	2.66004774	0.40730035	0.65672724	0.92781250	0.83147472	0.08504373	1.04043666
Int SD	5103.94000000	35.18460000	159.45600000	17010.7000000	298615	963.65600000	135623
RelInt Mean	0.00288537	-0.00081736	0.00007338	---	---	---	7.17427000
RelInt RSD	4.46986002	3.21865124	4.12790040	---	---	---	0.81863799
RelInt SD	0.00012897	0.00002631	0.00000303	---	---	---	0.05873130
Conc Mean	0.02625870[mg/l]	<-0.05272980[mg/l]	0.00266377[mg/l]	1815380	35802000	1118800	22.81980000[mg/l]
Conc RSD	4.65792290	3.45446029	18.59458587	---	---	---	0.81898614
Conc SD	0.00122311[mg/l]	0.00182153[mg/l]	0.00049532[mg/l]	16956.6000000	298370	1100.14000000	0.18689100[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6445.53000000	22129.7000000	113160	83530.3000000	13834.5000000	93218.6000000	
Int RSD	1.15983170	0.61023421	0.61314776	0.13480617	0.71127977	0.55705299	
Int SD	74.75730000	135.04300000	693.83800000	112.60400000	98.40200000	519.27700000	
RelInt Mean	-0.00038624	0.00024528	0.05445050	0.03972700	-0.00004732	0.04491430	
RelInt RSD	12.44707320	49.64082451	1.48355846	1.04084628	107.69881074	1.52394894	
RelInt SD	0.00004808	0.00012176	0.00080780	0.00041350	0.00005096	0.00068447	
Conc Mean	<-0.00020969[mg/l]	<-0.00720939[mg/l]	0.86882800[mg/l]	0.98862000[mg/l]	<-0.00069035[mg/l]	3.42203000[mg/l]	
Conc RSD	55.91995765	35.88015075	1.50988458	1.04395015	25.97316438	1.51864829	
Conc SD	0.00011726[mg/l]	0.00258674[mg/l]	0.01311830[mg/l]	0.01032070[mg/l]	0.00017931[mg/l]	0.05196860[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-005	Client ID: ARCH-C13E-EXT-1 TO 2-231109-L-WF
Seqnum: 483456997031	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:16
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.376	69	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1821360	-11.83

! = warning + = high bias < = opening a = ICSA u = use

Sample Name: 495753-005,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:16:54

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	86050.2000000	21642.6000000	9786.04000000	18259.8000000	20557.0000000	226201	23864.2000000
Int RSD	0.90293573	1.27748977	0.72762936	0.33824357	0.23405020	1.64017843	0.19449049
Int SD	776.97800000	276.48200000	71.20610000	61.76260000	48.11370000	3710.10000000	46.41360000
RelInt Mean	0.00003117	0.00590487	-0.00019250	0.00254546	0.00340621	0.19720800	0.00578464
RelInt RSD	37.18264218	3.04301365	30.95383800	1.00535463	1.10239827	0.42421352	1.18105362
RelInt SD	0.00001159	0.00017969	0.00005958	0.00002559	0.00003755	0.00083658	0.00006832
Conc Mean	<0.00094962[mg/l]	0.75737100[mg/l]	<-0.00610520[mg/l]	0.01961110[mg/l]	0.01055610[mg/l]	8.35540000[mg/l]	0.03091450[mg/l]
Conc RSD	50.75324550	3.36631585	47.28739435	1.54102014	1.10278417	0.43814180	1.22002620
Conc SD	0.00048197[mg/l]	0.02549550[mg/l]	0.00288699[mg/l]	0.00030221[mg/l]	0.00011641[mg/l]	0.03660850[mg/l]	0.00037717[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	35180.2000000	414930	57265600	8440.60000000	24949.7000000	1997350	10302.5000000
Int RSD	0.40662361	2.28718097	0.32808178	3.36447646	0.69322276	0.84902496	0.81471390
Int SD	143.05100000	9490.20000000	187878	283.98200000	172.95700000	16958.0000000	83.93590000
RelInt Mean	0.01221250	0.00954001	31.74810000	0.00237978	0.00820051	1.09737000	-0.00039488
RelInt RSD	0.83273695	2.04549052	0.46930053	6.99909235	2.65766397	0.17287788	12.93841911
RelInt SD	0.00010170	0.00019514	0.14899400	0.00016656	0.00021794	0.00189711	0.00005109
Conc Mean	0.07512320[mg/l]	0.30866300[mg/l]	>108.53800000[mg/l]	2.95574000[mg/l]	3.14953000[mg/l]	0.72641800[mg/l]	<-0.00367238[mg/l]
Conc RSD	0.83707962	2.11440957	0.46939597	8.58197947	2.79529962	0.17343871	11.44424052
Conc SD	0.00062884[mg/l]	0.00652640[mg/l]	0.50947300[mg/l]	0.25366100[mg/l]	0.08803880[mg/l]	0.00125989[mg/l]	0.00042028[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	76714.9000000	44542.2000000	92070.9000000	11494.5000000	10191.7000000	14168.7000000	30390.0000000
Int RSD	0.82440569	0.32126164	0.44823392	1.29178303	0.87266894	0.43730123	1.45135242
Int SD	632.44200000	143.09700000	412.69300000	148.48400000	88.93980000	61.95990000	441.06600000
RelInt Mean	0.04900520	0.01660070	0.04274470	0.00000836	0.00029450	0.00118974	0.01474020
RelInt RSD	1.93396211	1.13497021	1.26291447	1146.23170086	12.53724096	4.96830400	2.54834398
RelInt SD	0.00094774	0.00018841	0.00053983	0.00009584	0.00003692	0.00005911	0.00037563
Conc Mean	5.89817000[mg/l]	0.13558500[mg/l]	1.37615000[mg/l]	<-0.00210353[mg/l]	0.01722000[mg/l]	0.02371050[mg/l]	0.01469970[mg/l]
Conc RSD	1.98492075	1.13066342	1.26048033	226.93092088	12.44761905	5.10942409	2.80773077
Conc SD	0.11707400[mg/l]	0.00153301[mg/l]	0.01734610[mg/l]	0.00477356[mg/l]	0.00214348[mg/l]	0.00121147[mg/l]	0.00041273[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	297348	8701.51000000	25015.7000000	1821360	35971100	1121850	28042500
Int RSD	0.37510930	0.13722331	0.86047962	0.70088286	1.04986225	1.29812364	0.31530035
Int SD	1115.38000000	11.94050000	215.25500000	12765.6000000	377647	14563.0000000	88418.1000000
RelInt Mean	0.00578874	-0.00079924	0.00008419	---	---	---	15.54460000
RelInt RSD	1.52880247	2.43213519	5.07093715	---	---	---	0.39205834
RelInt SD	0.00008850	0.00001944	0.00000427	---	---	---	0.06094390
Conc Mean	0.05379220[mg/l]	<0.05153990[mg/l]	0.00443107[mg/l]	1803080	35858100	1107590	>49.44980000[mg/l]
Conc RSD	1.56018902	2.61347034	15.75824801	---	---	---	0.39226650
Conc SD	0.00083926[mg/l]	0.00134698[mg/l]	0.00069826[mg/l]	12756.6000000	377783	14718.2000000	0.19397500[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6616.71000000	22052.0000000	160819	82442.9000000	14148.7000000	98833.5000000	
Int RSD	2.18542146	0.98194268	0.31896853	0.28773491	0.97796971	0.47268892	
Int SD	144.60300000	216.53800000	512.96200000	237.21700000	138.37000000	467.17500000	
RelInt Mean	-0.00024634	0.00024371	0.08090940	0.03932540	-0.00006493	0.04832930	
RelInt RSD	42.19104567	22.08904208	0.81641194	0.33854201	107.74215705	0.75508646	
RelInt SD	0.00010393	0.00005383	0.00066055	0.00013313	0.00006996	0.00036493	
Conc Mean	<0.00013154[mg/l]	<0.00717582[mg/l]	1.29839000[mg/l]	0.97859300[mg/l]	<-0.00078094[mg/l]	3.68132000[mg/l]	
Conc RSD	192.71546842	15.93741203	0.82519890	0.33960084	31.94219289	0.75268382	
Conc SD	0.00025350[mg/l]	0.00114364[mg/l]	0.01071430[mg/l]	0.00332331[mg/l]	0.00024945[mg/l]	0.02770870[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-008	Client ID: ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-L-LA
Seqnum: 483456997032	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:20
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.486	74	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1844310	-10.72

! = warning + = high bias < = opening a = ICSA u = use

Sample Name: 495753-008,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:20:10

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	87997.5000000	21627.3000000	9761.90000000	16826.6000000	19930.4000000	227133	15529.2000000
Int RSD	0.17351175	1.24736791	0.14844856	0.50811750	0.41345332	0.91515103	0.26846715
Int SD	152.68600000	269.77200000	14.49140000	85.49890000	82.40290000	2078.61000000	41.69080000
RelInt Mean	-0.00008254	0.00585598	-0.00016480	0.00224685	0.00300559	0.19687200	0.00109058
RelInt RSD	12.70533163	2.46416484	6.27776025	1.51669671	1.42001737	0.69806270	1.46698087
RelInt SD	0.00001049	0.00014430	0.00001035	0.00003408	0.00004268	0.00137429	0.00001600
Conc Mean	<0.00567870[mg/l]	0.75043500[mg/l]	<-0.00470925[mg/l]	0.01608450[mg/l]	0.00932547[mg/l]	8.34068000[mg/l]	0.00508780[mg/l]
Conc RSD	7.68052547	2.72839087	10.64823486	2.50236563	1.43730021	0.72077097	1.73158733
Conc SD	0.00043615[mg/l]	0.02047480[mg/l]	0.00050145[mg/l]	0.00040249[mg/l]	0.00013403[mg/l]	0.06011720[mg/l]	0.00008810[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	16621.6000000	284513	17906800	8248.50000000	25589.1000000	495846	11238.8000000
Int RSD	1.02266328	2.30429892	0.15562970	1.34584470	1.13733973	0.18977243	0.78742303
Int SD	169.98300000	6556.03000000	27868.3000000	111.01200000	291.03500000	940.97900000	88.49690000
RelInt Mean	0.00232573	0.00584241	9.79424000	0.00219504	0.00884118	0.26219300	-0.00129052
RelInt RSD	3.04856540	3.14389096	0.85684341	2.75039635	2.95949183	0.81139847	5.57136658
RelInt SD	0.00007090	0.00018368	0.08392130	0.00006037	0.00026165	0.00212743	0.00007190
Conc Mean	0.01397850[mg/l]	0.18499100[mg/l]	33.48120000[mg/l]	2.67441000[mg/l]	3.40833000[mg/l]	0.17323700[mg/l]	<-0.01104000[mg/l]
Conc RSD	3.13672426	3.32103183	0.85694061	3.43738619	3.10110817	0.81334242	5.35765399
Conc SD	0.00043847[mg/l]	0.00614361[mg/l]	0.28691400[mg/l]	0.09192980[mg/l]	0.10569600[mg/l]	0.00140901[mg/l]	0.00059148[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	77764.5000000	28734.3000000	99330.3000000	16283.7000000	10295.3000000	14291.3000000	31088.4000000
Int RSD	0.23111574	0.34323056	0.10271690	0.48489778	0.18964382	1.16670282	0.80359234
Int SD	179.72600000	98.62490000	102.02900000	78.95930000	19.52440000	166.73700000	249.82400000
RelInt Mean	0.04960650	0.00771807	0.04608790	-0.00115751	0.00042758	0.00125233	0.01540490
RelInt RSD	0.22520436	1.55330283	0.73489354	2.63919966	5.06321654	8.60795477	1.03062662
RelInt SD	0.00011172	0.00011989	0.00033870	0.00003055	0.00002165	0.00010780	0.00015877
Conc Mean	5.97245000[mg/l]	0.06332830[mg/l]	1.48569000[mg/l]	<-0.05976680[mg/l]	0.02494580[mg/l]	0.02499350[mg/l]	0.01543010[mg/l]
Conc RSD	0.23103584	1.53990238	0.73277736	2.54517558	5.03820282	8.84069858	1.13049170
Conc SD	0.01379850[mg/l]	0.00097519[mg/l]	0.01088680[mg/l]	0.00152117[mg/l]	0.00125682[mg/l]	0.00220960[mg/l]	0.00017444[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	249907	8630.30000000	24101.1000000	1844310	36488400	1129150	126331000
Int RSD	0.47524879	0.32124955	0.98551103	0.80141083	0.63373291	0.30968428	0.45416644
Int SD	1187.68000000	27.72480000	237.51900000	14780.5000000	231239	3496.80000000	573753
RelInt Mean	0.00427706	-0.00074651	0.00007714	---	---	---	69.15030000
RelInt RSD	0.74407186	0.93385639	4.69191499	---	---	---	1.24181818
RelInt SD	0.00003182	0.00000697	0.00000362	---	---	---	0.85872100
Conc Mean	0.03945650[mg/l]	<-0.04782860[mg/l]	0.00328122[mg/l]	1826450	36376000	1114970	>219.99600000[mg/l]
Conc RSD	0.76497662	1.01212664	18.03844302	---	---	---	1.24183622
Conc SD	0.00030183[mg/l]	0.00048409[mg/l]	0.00059188[mg/l]	14722.6000000	230988	3553.62000000	2.73199000[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6540.17000000	21997.3000000	207782	76764.4000000	14165.5000000	96378.4000000	
Int RSD	2.07176572	0.27965250	0.59655793	0.35541475	1.26337934	0.26128676	
Int SD	135.49700000	61.51600000	1239.54000000	272.83200000	178.96400000	251.82400000	
RelInt Mean	-0.00024568	0.00022543	0.10469500	0.03577980	0.00027987	0.04636830	
RelInt RSD	63.91833146	8.12167857	0.85988156	1.14330153	30.36999718	0.88142977	
RelInt SD	0.000015703	0.00001831	0.00090025	0.00040907	0.00008500	0.00040870	
Conc Mean	<0.00013316[mg/l]	<0.00678760[mg/l]	1.68471000[mg/l]	0.89009200[mg/l]	<0.00045555[mg/l]	3.53242000[mg/l]	
Conc RSD	287.63855928	5.73043491	0.86800696	1.14716232	67.57713719	0.87831855	
Conc SD	0.00038301[mg/l]	0.00038896[mg/l]	0.01462340[mg/l]	0.01021080[mg/l]	0.00030785[mg/l]	0.03102590[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-010	Client ID: ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-L-LA
Seqnum: 483456997033	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:23
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.165	110	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1839040	-10.97

! = warning + = high bias < = opening a = ICSA u = use

Sample Name: 495753-010,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:23:24

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	84986.9000000	26805.4000000	10817.3000000	18052.9000000	19597.6000000	250547	18933.5000000
Int RSD	0.47012187	0.78541264	0.57029850	0.74769151	0.72691554	0.34396979	0.71934402
Int SD	399.54200000	210.53300000	61.69090000	134.98000000	142.45800000	861.80600000	136.19700000
RelInt Mean	0.00003815	0.01071730	0.00047636	0.00237532	0.00288350	0.21985400	0.00308179
RelInt RSD	32.50557707	1.43032294	2.63871978	3.21856424	0.69343159	0.42716803	2.27721876
RelInt SD	0.00001240	0.00015329	0.00001257	0.00007645	0.00002000	0.00093915	0.00007018
Conc Mean	<0.00065934[mg/l]	1.44019000[mg/l]	0.02634040[mg/l]	0.01760170[mg/l]	0.00891542[mg/l]	9.34635000[mg/l]	0.01594980[mg/l]
Conc RSD	78.21413676	1.51056458	2.31296412	5.12946477	0.71712157	0.43969250	2.41538452
Conc SD	0.00051570[mg/l]	0.02175500[mg/l]	0.00060924[mg/l]	0.00090287[mg/l]	0.00006393[mg/l]	0.04109520[mg/l]	0.00038525[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	24047.3000000	687212	60702500	8164.97000000	26586.6000000	1577820	9615.97000000
Int RSD	0.35970275	3.10445685	0.20338042	1.38716982	0.48899069	0.63751886	0.90290111
Int SD	86.49880000	21334.2000000	123457	113.26200000	130.00600000	10058.9000000	86.82270000
RelInt Mean	0.00596030	0.01716660	33.32620000	0.00221236	0.00988308	0.85613700	-0.00040288
RelInt RSD	0.74381155	3.68007060	0.55083388	2.56204686	2.12766668	0.35727226	13.73149258
RelInt SD	0.00004433	0.00063174	0.18357200	0.00005668	0.00021028	0.00305874	0.00005532
Conc Mean	0.03645650[mg/l]	0.56374700[mg/l]	>113.93300000[mg/l]	2.70080000[mg/l]	3.82920000[mg/l]	0.56663500[mg/l]	<-0.00373818[mg/l]
Conc RSD	0.75209359	3.74813525	0.55083426	3.19625666	2.21821007	0.35756351	12.17378510
Conc SD	0.00027419[mg/l]	0.02113000[mg/l]	0.62758200[mg/l]	0.08632450[mg/l]	0.08493970[mg/l]	0.00202608[mg/l]	0.00045508[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	74776.2000000	65592.6000000	137572	11408.1000000	9965.75000000	18612.6000000	32607.3000000
Int RSD	0.03016976	0.34643390	0.31718736	0.46339005	0.40452249	0.60923783	1.07368902
Int SD	22.55980000	227.23500000	436.36100000	52.86400000	40.31370000	113.39500000	350.10100000
RelInt Mean	0.04765130	0.02804340	0.06728950	0.00051764	0.00021305	0.00375978	0.01692590
RelInt RSD	0.25656803	0.32107412	0.29106324	8.71699221	13.41301878	1.92010969	2.19497929
RelInt SD	0.00012226	0.00009004	0.00019586	0.00004512	0.00002858	0.00007219	0.00037152
Conc Mean	5.73090000[mg/l]	0.22866800[mg/l]	2.16506000[mg/l]	0.02346870[mg/l]	0.01249120[mg/l]	0.07638800[mg/l]	0.01710120[mg/l]
Conc RSD	0.26352231	0.32048297	0.29051712	9.57479537	13.28102985	1.93703199	2.38704886
Conc SD	0.01510220[mg/l]	0.00073284[mg/l]	0.00628987[mg/l]	0.00224708[mg/l]	0.00165896[mg/l]	0.00147966[mg/l]	0.00040821[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	469969	8629.27000000	24822.5000000	1839040	35867900	1118610	2499550
Int RSD	2.57395701	0.22189247	0.42745090	0.34574452	0.62289122	0.36590948	0.57289912
Int SD	12096.8000000	19.14770000	106.10400000	6358.38000000	223418	4093.10000000	14319.9000000
RelInt Mean	0.01066440	-0.00075206	0.00008246	---	---	---	1.36727000
RelInt RSD	3.16396609	1.77610357	2.62811838	---	---	---	0.26067712
RelInt SD	0.00033742	0.00001336	0.00000217	---	---	---	0.00356416
Conc Mean	0.10002900[mg/l]	<0.04838590[mg/l]	0.00414911[mg/l]	1820810	35755100	1104530	4.34486000[mg/l]
Conc RSD	3.19886233	1.93260020	8.54455534	---	---	---	0.26087837
Conc SD	0.00319979[mg/l]	0.00093511[mg/l]	0.00035452[mg/l]	6477.55000000	223640	4164.69000000	0.01133480[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6393.24000000	21683.1000000	322788	73234.7000000	13936.2000000	98312.8000000	
Int RSD	1.69209978	0.66066660	0.63250183	0.20802297	0.46586946	0.01700257	
Int SD	108.18000000	143.25300000	2041.64000000	152.34500000	64.92450000	16.71570000	
RelInt Mean	-0.00032951	0.00008948	0.16910300	0.03403820	-0.00011502	0.04765160	
RelInt RSD	24.25837916	118.79109053	0.43874916	0.26032840	9.14269320	0.31800821	
RelInt SD	0.00007993	0.00010630	0.00074194	0.00008861	0.00001052	0.00015154	
Conc Mean	<0.00007131[mg/l]	<0.00389947[mg/l]	2.73015000[mg/l]	0.84662200[mg/l]	<0.00107935[mg/l]	3.62986000[mg/l]	
Conc RSD	273.38390779	57.91094687	0.44098676	0.26130197	3.40358549	0.31686897	
Conc SD	0.00019496[mg/l]	0.00225822[mg/l]	0.01203960[mg/l]	0.00221224[mg/l]	0.00003674[mg/l]	0.01150190[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-012	Client ID: ARCH-C13E-DG-2 TO 2.5-231109-L-FB
Seqnum: 483456997034	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:26
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.062	100	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1813340	-12.21

! = warning + = high bias < = opening a = ICSA u = use

Sample Name: 495753-012,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:26:40

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	84437.6000000	23838.4000000	10763.5000000	17641.9000000	19412.1000000	202749	17685.9000000
Int RSD	0.38020740	1.26717817	0.05249287	0.33062879	0.24666883	0.39128134	0.33289965
Int SD	321.03800000	302.07500000	5.65007000	58.32920000	47.88360000	793.31900000	58.87630000
RelInt Mean	0.00004322	0.00800485	0.00034553	0.00241423	0.00288877	0.17576900	0.00250536
RelInt RSD	37.67434542	1.03661655	7.99735481	1.79752551	1.15015041	0.22643925	1.57285580
RelInt SD	0.00001628	0.00008298	0.00002763	0.00004340	0.00003323	0.00039801	0.00003941
Conc Mean	<0.00044842[mg/l]	1.05533000[mg/l]	0.02000900[mg/l]	0.01806130[mg/l]	0.00893318[mg/l]	7.41723000[mg/l]	0.01282280[mg/l]
Conc RSD	151.00975862	1.11576474	6.69343795	2.83785774	1.18474048	0.23474936	1.71519481
Conc SD	0.00067716[mg/l]	0.01177500[mg/l]	0.00133929[mg/l]	0.00051255[mg/l]	0.00010583[mg/l]	0.01741190[mg/l]	0.00021994[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	20917.8000000	806033	50017400	8166.89000000	25312.6000000	896149	9544.86000000
Int RSD	0.60513056	3.00085728	0.26261861	3.13868560	1.33450535	0.29268236	0.34012757
Int SD	126.58000000	24187.9000000	131355	256.33300000	337.79800000	2622.87000000	32.46470000
RelInt Mean	0.00449623	0.02048950	27.84960000	0.00215590	0.00869250	0.48905500	-0.00044222
RelInt RSD	2.52631649	3.51013446	1.08240693	5.42460225	1.11116825	0.84910286	11.68405604
RelInt SD	0.00011359	0.00071921	0.30144600	0.00011695	0.00009659	0.00415258	0.00005167
Conc Mean	0.02740200[mg/l]	0.67488700[mg/l]	95.20950000[mg/l]	2.61480000[mg/l]	3.34827000[mg/l]	0.32349900[mg/l]	<0.00406184[mg/l]
Conc RSD	2.56350631	3.56431521	1.08246551	6.81107542	1.16530029	0.85017573	10.46424773
Conc SD	0.00070245[mg/l]	0.02405510[mg/l]	1.03061000[mg/l]	0.17809600[mg/l]	0.03901740[mg/l]	0.00275031[mg/l]	0.00042504[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	67203.6000000	77744.9000000	129861	11230.0000000	10482.8000000	20450.1000000	29626.8000000
Int RSD	0.71983495	0.27031870	0.17715788	0.51614693	0.47121857	0.35369509	1.25806027
Int SD	483.75500000	210.15900000	230.05900000	57.96330000	49.39690000	72.33100000	372.72300000
RelInt Mean	0.04050670	0.03530400	0.06406910	0.00044605	0.00050091	0.00462298	0.01408480
RelInt RSD	0.37050167	0.89698051	0.98518631	7.91970909	5.61523781	1.01053866	0.67209616
RelInt SD	0.00015008	0.00031667	0.00063120	0.00003533	0.00002813	0.00004672	0.00009466
Conc Mean	4.84829000[mg/l]	0.28773000[mg/l]	2.06212000[mg/l]	0.01995900[mg/l]	0.02920310[mg/l]	0.09408080[mg/l]	0.01397970[mg/l]
Conc RSD	0.38244618	0.89528725	0.98309022	8.80209429	5.59149542	1.01785061	0.74406461
Conc SD	0.01854210[mg/l]	0.00257601[mg/l]	0.02027250[mg/l]	0.00175681[mg/l]	0.00163289[mg/l]	0.00095760[mg/l]	0.00010402[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	365618	8672.41000000	24285.9000000	1813340	35907800	1124380	1896170
Int RSD	2.30037088	0.52766763	0.42312618	1.03152194	1.21191218	0.10970135	0.67001904
Int SD	8410.57000000	45.76150000	102.76000000	18705.0000000	435171	1233.46000000	12704.7000000
RelInt Mean	0.00775393	-0.00088276	0.00007651	---	---	---	1.05072000
RelInt RSD	2.74665879	3.08408939	3.08590033	---	---	---	0.36889276
RelInt SD	0.00021297	0.00002723	0.00000236	---	---	---	0.00387603
Conc Mean	0.07242860[mg/l]	<0.05737700[mg/l]	0.00317575[mg/l]	1795340	35796700	1110320	3.33774000[mg/l]
Conc RSD	2.78851172	3.29926626	12.15410533	---	---	---	0.36959739
Conc SD	0.00201968[mg/l]	0.00189302[mg/l]	0.00038598[mg/l]	18698.4000000	435216	929.58800000	0.01233620[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6542.68000000	21959.4000000	250628	84828.7000000	13746.3000000	88423.1000000	
Int RSD	2.32270262	2.14337823	0.36015449	0.12672951	0.28955283	0.29698800	
Int SD	151.96700000	470.67300000	902.64800000	107.50300000	39.80280000	262.60600000	
RelInt Mean	-0.00018298	0.00026975	0.13152700	0.04080550	-0.00000753	0.04279790	
RelInt RSD	55.32996311	57.39245518	1.01068982	0.96126748	260.88509915	0.88370224	
RelInt SD	0.00010124	0.00015482	0.00132933	0.00039225	0.00001964	0.00037821	
Conc Mean	<0.00028609[mg/l]	<0.00772910[mg/l]	2.12015000[mg/l]	1.01554000[mg/l]	<0.00066924[mg/l]	3.26133000[mg/l]	
Conc RSD	86.31290482	42.55269048	1.01745631	0.96404376	9.95786278	0.88057633	
Conc SD	0.00024693[mg/l]	0.00328894[mg/l]	0.02157160[mg/l]	0.00979025[mg/l]	0.00006664[mg/l]	0.02871850[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-013	Client ID: ARCH-C13E-DG-2 TO 2.5-231109-L-DUP-FB
Seqnum: 483456997035	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:29
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.767	140	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1844800	-10.69

! = warning + = high bias < = opening a = ICSA u = use

Sample Name: 495753-013,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:29:55

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	85300.6000000	25132.6000000	11468.1000000	18582.8000000	20007.7000000	200627	19497.9000000
Int RSD	0.50263773	1.01677503	0.90186692	0.49636546	0.40429785	0.83767389	0.56557373
Int SD	428.75300000	255.54200000	103.42700000	92.23860000	80.89070000	1680.60000000	110.27500000
RelInt Mean	0.00003121	0.00928878	0.00065734	0.00253104	0.00308602	0.17397900	0.00338477
RelInt RSD	24.17321800	1.81013007	11.27210244	2.11819252	1.04778647	0.82857126	0.34257867
RelInt SD	0.00000755	0.00016814	0.00007410	0.00005361	0.00003233	0.00144154	0.00001160
Conc Mean	<0.00094764[mg/l]	1.23751000[mg/l]	0.03511040[mg/l]	0.01944080[mg/l]	0.00955119[mg/l]	7.33890000[mg/l]	0.01767510[mg/l]
Conc RSD	33.11507275	1.92801674	10.22580204	3.25728365	1.06629645	0.85939855	0.38130421
Conc SD	0.00031381[mg/l]	0.02385940[mg/l]	0.00359032[mg/l]	0.00063324[mg/l]	0.00010184[mg/l]	0.06307040[mg/l]	0.00006740[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	24289.3000000	1054570	71408200	8167.64000000	25734.8000000	1251460	9827.20000000
Int RSD	0.55465987	3.08839622	0.20232830	1.33460828	1.14188181	0.51149617	0.94957974
Int SD	134.72300000	32569.3000000	144479	109.00600000	293.86100000	6401.17000000	93.31710000
RelInt Mean	0.00597088	0.02712050	39.08530000	0.00220986	0.00903973	0.67467700	-0.00040222
RelInt RSD	1.26489228	3.19754061	0.64204701	4.51183333	3.05508018	0.45471240	3.34426425
RelInt SD	0.00007553	0.00086719	0.25094600	0.00009971	0.00027617	0.00306784	0.00001345
Conc Mean	0.03652180[mg/l]	0.89667200[mg/l]	>133.62200000[mg/l]	2.69698000[mg/l]	3.48853000[mg/l]	0.44644600[mg/l]	<-0.00373278[mg/l]
Conc RSD	1.27903608	3.23473912	0.64220039	5.62988973	3.19787991	0.45526671	2.96427863
Conc SD	0.00046713[mg/l]	0.02900500[mg/l]	0.85812100[mg/l]	0.15183700[mg/l]	0.11155900[mg/l]	0.00203252[mg/l]	0.00011065[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	70692.6000000	97393.0000000	172080	11632.5000000	10145.5000000	22825.8000000	30317.8000000
Int RSD	0.22996608	0.41811218	0.53548873	0.48299248	0.34254596	0.63371273	0.17801621
Int SD	162.56900000	407.21200000	921.46900000	56.18410000	34.75300000	144.65000000	53.97060000
RelInt Mean	0.04378680	0.04534230	0.08603790	0.00062552	0.00023150	0.00576796	0.01485040
RelInt RSD	0.39129829	1.29775067	1.26194386	6.01552321	10.11464363	1.27047864	0.83391020
RelInt SD	0.00017134	0.00058843	0.00108575	0.00003763	0.00002342	0.00007328	0.00012384
Conc Mean	5.25350000[mg/l]	0.36938800[mg/l]	2.76742000[mg/l]	0.02883680[mg/l]	0.01356260[mg/l]	0.11754900[mg/l]	0.01482080[mg/l]
Conc RSD	0.40293709	1.29580279	1.26090727	6.49798175	10.02293071	1.27796068	0.91810833
Conc SD	0.02116830[mg/l]	0.00478654[mg/l]	0.03489460[mg/l]	0.00187381[mg/l]	0.00135937[mg/l]	0.00150223[mg/l]	0.00013607[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	348235	8719.91000000	24574.8000000	1844800	36256600	1123320	1828790
Int RSD	3.10614958	0.58730767	1.14311002	0.81259757	0.13057181	0.36854414	0.78333762
Int SD	10816.7000000	51.21270000	280.91700000	14990.8000000	47340.9000000	4139.93000000	14325.6000000
RelInt Mean	0.00718181	-0.00085703	0.00006501	---	---	---	0.99583900
RelInt RSD	4.03859194	3.87946485	5.78082074	---	---	---	0.04746229
RelInt SD	0.00029004	0.00003325	0.00000376	---	---	---	0.00047265
Conc Mean	0.06700310[mg/l]	<0.05557990[mg/l]	<0.00129515[mg/l]	1826450	36143800	1109310	3.16313000[mg/l]
Conc RSD	4.10516827	4.13797074	47.45164653	---	---	---	0.04747007
Conc SD	0.00275059[mg/l]	0.00229988[mg/l]	0.00061457[mg/l]	14975.7000000	47139.6000000	4260.89000000	0.00150154[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6572.28000000	21692.0000000	258499	93038.3000000	13995.0000000	97771.2000000	
Int RSD	0.59590888	1.59852941	0.57367340	0.76703788	1.00592354	0.34454420	
Int SD	39.16480000	346.75300000	1482.94000000	713.63900000	140.77900000	336.86500000	
RelInt Mean	-0.00013389	0.00014947	0.13332200	0.04457090	-0.00019401	0.04708440	
RelInt RSD	53.41991859	107.72843438	1.41324763	1.61274509	41.62736518	1.16817035	
RelInt SD	0.00007153	0.00016103	0.00188417	0.00071882	0.00008076	0.00055003	
Conc Mean	<0.00040580[mg/l]	<0.00517396[mg/l]	2.14927000[mg/l]	1.10953000[mg/l]	<0.00139568[mg/l]	3.58679000[mg/l]	
Conc RSD	42.99116549	66.11744196	1.42312041	1.61737853	21.75470022	1.16430290	
Conc SD	0.00017446[mg/l]	0.00342089[mg/l]	0.03058670[mg/l]	0.01794530[mg/l]	0.00030363[mg/l]	0.04176110[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-015	Client ID: ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-L-LA
Seqnum: 483456997036	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:33
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.210	110	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1823470	-11.72

! = warning + = high bias < = opening a = ICSA u = use

Sample Name: 495753-015,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:33:10

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	83501.8000000	32205.1000000	10958.6000000	16839.2000000	20086.6000000	245522	16860.1000000
Int RSD	0.11761663	0.30138612	1.01317687	0.62369352	0.48156682	0.18895415	0.69179898
Int SD	98.21200000	97.06170000	111.03000000	105.02500000	96.73040000	463.92400000	116.63800000
RelInt Mean	0.00004675	0.01554810	0.00052116	0.00226020	0.00341400	0.21483200	0.00219096
RelInt RSD	12.19006532	0.34706170	11.53946078	3.56959119	1.35281195	0.53923531	4.55200916
RelInt SD	0.00000570	0.00005396	0.00006014	0.00008068	0.00004618	0.00115845	0.00009973
Conc Mean	<0.00030143[mg/l]	2.12563000[mg/l]	0.02852190[mg/l]	0.01624220[mg/l]	0.01057450[mg/l]	9.12658000[mg/l]	0.01101140[mg/l]
Conc RSD	78.63403533	0.35997939	10.21713140	5.86637894	1.37133671	0.55540739	5.04716022
Conc SD	0.00023703[mg/l]	0.00765183[mg/l]	0.00291412[mg/l]	0.00095283[mg/l]	0.00014501[mg/l]	0.05068970[mg/l]	0.00055576[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	19741.6000000	531685	30073000	8114.80000000	27241.8000000	881066	9687.20000000
Int RSD	0.49930249	3.25873402	0.90568616	1.06102800	0.39233457	0.08810475	0.19922578
Int SD	98.57030000	17326.2000000	272367	86.10030000	106.87900000	776.26100000	19.29940000
RelInt Mean	0.00409539	0.01277710	16.64360000	0.00214218	0.01051810	0.47841000	-0.00019384
RelInt RSD	1.87235160	4.56762489	1.80128698	3.05085474	0.51255740	1.16713906	20.57691613
RelInt SD	0.00007668	0.00058361	0.29979900	0.00006535	0.00005391	0.00558371	0.00003989
Conc Mean	0.02492300[mg/l]	0.41693200[mg/l]	56.89800000[mg/l]	2.59392000[mg/l]	4.08573000[mg/l]	0.31644800[mg/l]	<0.00201862[mg/l]
Conc RSD	1.90267223	4.68172268	1.80160990	3.83672588	0.53279341	1.16875442	16.25392595
Conc SD	0.00047420[mg/l]	0.01951960[mg/l]	1.02508000[mg/l]	0.09952160[mg/l]	0.02176850[mg/l]	0.00369850[mg/l]	0.00032811[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	68773.3000000	46476.7000000	138632	11105.4000000	10224.5000000	16151.0000000	31708.3000000
Int RSD	0.66527999	0.30991228	0.13134918	0.28832100	0.60903320	0.48615504	0.24890045
Int SD	457.53500000	144.03700000	182.09200000	32.01920000	62.27060000	78.51890000	78.92210000
RelInt Mean	0.04221030	0.01801250	0.06864070	0.00042906	0.00048179	0.00226086	0.01614540
RelInt RSD	0.78529885	1.46435531	1.00816717	9.55008204	4.64653467	2.78778872	0.99787556
RelInt SD	0.00033148	0.00026377	0.00069201	0.00004098	0.00002239	0.00006303	0.00016111
Conc Mean	5.05876000[mg/l]	0.14707000[mg/l]	2.20989000[mg/l]	0.01912770[mg/l]	0.02809280[mg/l]	0.04566500[mg/l]	0.01624370[mg/l]
Conc RSD	0.80954424	1.45895152	1.00566092	10.64649697	4.62627435	2.82886237	1.08973325
Conc SD	0.04095290[mg/l]	0.00214568[mg/l]	0.02222400[mg/l]	0.00203643[mg/l]	0.00129965[mg/l]	0.00129180[mg/l]	0.00017701[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	544145	8538.85000000	24567.6000000	1823470	36181500	1121320	4233990
Int RSD	2.25998585	0.80171803	0.58978899	1.12339112	0.74201180	0.57795455	0.67606678
Int SD	12297.6000000	68.45750000	144.89700000	20484.7000000	268471	6480.72000000	28624.6000000
RelInt Mean	0.01265600	-0.00087156	0.00009861	---	---	---	2.33901000
RelInt RSD	3.45424305	3.32120951	2.97111884	---	---	---	0.46359357
RelInt SD	0.00043717	0.00002895	0.00000293	---	---	---	0.01084350
Conc Mean	0.11891600[mg/l]	<0.05672330[mg/l]	0.00678904[mg/l]	1805920	36071900	1107380	7.43644000[mg/l]
Conc RSD	3.48625921	3.55381298	7.0596873	---	---	---	0.46392629
Conc SD	0.00414572[mg/l]	0.00201584[mg/l]	0.00047924[mg/l]	20554.6000000	269226	6494.27000000	0.03449960[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6451.32000000	21756.8000000	430062	84278.7000000	13545.4000000	93323.9000000	
Int RSD	1.24427249	0.80039344	0.37076980	0.36242253	0.50368243	0.51808272	
Int SD	80.27200000	174.14000000	1594.54000000	305.44500000	68.22580000	483.49500000	
RelInt Mean	-0.00024673	0.00018033	0.23040600	0.04030320	0.00017086	0.04531760	
RelInt RSD	16.55537317	36.32418344	0.86880984	1.43981619	21.81016370	1.41303820	
RelInt SD	0.00004085	0.00006550	0.00200179	0.00058029	0.00003727	0.00064036	
Conc Mean	<0.00013057[mg/l]	<0.00582946[mg/l]	3.72534000[mg/l]	1.00300000[mg/l]	<0.00005785[mg/l]	3.45265000[mg/l]	
Conc RSD	76.30265294	23.87150782	0.87237407	1.44429711	246.93146286	1.40815026	
Conc SD	0.00009963[mg/l]	0.00139158[mg/l]	0.03249890[mg/l]	0.01448630[mg/l]	0.00014286[mg/l]	0.04861850[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-017	Client ID: ARCH-C12E-DG-2.5 TO 3-231109-L-FB
Seqnum: 483456997039	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:43
Cal: 483456997001	Caldate: 13-NOV-2023	
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	1.559	72	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1824560	-11.67

! = warning + = high bias < = opening a = ICSA u = use

Sample Name: 495753-017,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:43:28

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	82043.8000000	24485.5000000	9374.60000000	16663.4000000	18256.0000000	212708	17348.6000000
Int RSD	0.80656917	0.83218640	0.64710388	0.82273726	0.80876424	0.28647348	0.70653540
Int SD	661.74000000	203.76500000	60.66340000	137.09600000	147.64800000	609.35200000	122.57400000
RelInt Mean	0.00004762	0.00885376	-0.00044049	0.00232851	0.00252172	0.18550800	0.00254752
RelInt RSD	15.86100010	1.09172939	5.77450720	4.10014559	4.04941865	0.50048785	3.09584223
RelInt SD	0.00000755	0.00009666	0.00002544	0.00009547	0.00010211	0.00092844	0.00007887
Conc Mean	<0.00026550[mg/l]	1.17578000[mg/l]	<-0.01808430[mg/l]	0.01704880[mg/l]	0.00776956[mg/l]	7.84342000[mg/l]	0.01308220[mg/l]
Conc RSD	118.30628364	1.16640018	6.81873227	6.61366196	4.13629601	0.51800745	3.28752045
Conc SD	0.00031410[mg/l]	0.01371430[mg/l]	0.00123312[mg/l]	0.00112755[mg/l]	0.00032137[mg/l]	0.04062950[mg/l]	0.00043008[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	21520.9000000	281660	28194900	8059.58000000	25783.6000000	1026490	9842.13000000
Int RSD	0.34636748	3.34630405	0.53240834	1.72195077	0.71412836	0.35516274	0.81166577
Int SD	74.54140000	9425.20000000	150112	138.78200000	184.12800000	3645.71000000	79.88520000
RelInt Mean	0.00518767	0.00588108	15.59210000	0.00216418	0.00938586	0.55869600	-0.00006497
RelInt RSD	1.88469583	2.89077856	1.41614664	3.14246504	1.36273075	1.00260249	109.68600893
RelInt SD	0.00009777	0.00017001	0.22080700	0.00006801	0.00012790	0.00560150	0.00007126
Conc Mean	0.03167820[mg/l]	0.18628400[mg/l]	53.30310000[mg/l]	2.62741000[mg/l]	3.62835000[mg/l]	0.36962500[mg/l]	<-0.00095852[mg/l]
Conc RSD	1.90878270	3.05238775	1.41617467	3.94175252	1.42389792	1.00380656	61.15882940
Conc SD	0.00060467[mg/l]	0.00568611[mg/l]	0.75486500[mg/l]	0.10356600[mg/l]	0.05166400[mg/l]	0.00371032[mg/l]	0.00058622[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	71126.3000000	35743.7000000	101831	10600.7000000	10303.3000000	15248.4000000	29589.2000000
Int RSD	0.76842462	0.76006401	0.63447084	0.32101371	0.28322673	1.13989009	0.80538169
Int SD	546.55200000	271.67500000	646.08800000	34.02970000	29.18170000	173.81500000	238.30600000
RelInt Mean	0.04451320	0.01212820	0.04837930	0.00025437	0.00050654	0.00159007	0.01441760
RelInt RSD	1.07669635	0.30347537	1.38385632	13.25035774	10.28199378	6.20563246	0.15883365
RelInt SD	0.00047927	0.00003681	0.00066950	0.00003371	0.00005208	0.00009867	0.00002290
Conc Mean	5.34325000[mg/l]	0.09920300[mg/l]	1.55873000[mg/l]	0.01039450[mg/l]	0.02952960[mg/l]	0.03191590[mg/l]	0.01434530[mg/l]
Conc RSD	1.10806906	0.30205236	1.37971297	16.16701140	10.23921760	6.33668485	0.17556552
Conc SD	0.05920690[mg/l]	0.00029964[mg/l]	0.02150600[mg/l]	0.00168048[mg/l]	0.00302360[mg/l]	0.00202241[mg/l]	0.00002519[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	305382	8589.30000000	23542.7000000	1824560	36221300	1120150	2865450
Int RSD	4.46300044	0.14470562	1.90286586	0.88700289	1.97578221	0.67052448	0.63956098
Int SD	13629.2000000	12.42920000	447.98600000	16183.9000000	715654	7510.88000000	18326.3000000
RelInt Mean	0.00607443	-0.00089734	0.00008452	---	---	---	1.58021000
RelInt RSD	4.38304499	0.22648753	7.66230908	---	---	---	0.25798976
RelInt SD	0.00026625	0.00000203	0.00000648	---	---	---	0.00407678
Conc Mean	0.05650150[mg/l]	<-0.05835590[mg/l]	0.00448429[mg/l]	1807210	36114300	1106400	5.02231000[mg/l]
Conc RSD	4.46878401	0.23941709	23.61466364	---	---	---	0.25801474
Conc SD	0.00252493[mg/l]	0.00013971[mg/l]	0.00105895[mg/l]	16200.4000000	716461	7464.38000000	0.01295830[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6337.29000000	21619.8000000	264351	86050.5000000	13388.0000000	91200.9000000	
Int RSD	1.77356567	0.67957613	1.15071628	0.44395675	0.34558037	0.34180255	
Int SD	112.39600000	146.92300000	3041.93000000	382.02700000	46.26630000	311.72700000	
RelInt Mean	-0.00026670	0.00031624	0.13882400	0.04115120	0.00022920	0.04401720	
RelInt RSD	19.59284145	27.33156673	1.73057973	1.42759385	5.86192153	1.21477059	
RelInt SD	0.00005225	0.00008643	0.00240246	0.00058747	0.00001344	0.00053471	
Conc Mean	<0.00008187[mg/l]	<0.00871673[mg/l]	2.23854000[mg/l]	1.02417000[mg/l]	<0.00032178[mg/l]	3.35391000[mg/l]	
Conc RSD	155.67436049	21.06500947	1.74247947	1.43173497	13.75830145	1.21055127	
Conc SD	0.00012745[mg/l]	0.00183618[mg/l]	0.03900610[mg/l]	0.01466340[mg/l]	0.00004427[mg/l]	0.04060080[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-019	Client ID: ARCH-C13E-PS-2.5-231109-L-G
Seqnum: 483456997040	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:46
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.069	53	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1834570	-11.19

! = warning + = high bias < = opening a = ICSA u = use

Sample Name: 495753-019,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:46:44

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	82971.7000000	21132.1000000	9449.91000000	16636.4000000	19941.4000000	239153	15660.6000000
Int RSD	0.20540377	0.60030948	0.73134347	0.51242396	0.71838988	0.62928753	0.82637958
Int SD	170.42700000	126.85800000	69.11130000	85.24890000	143.25700000	1504.96000000	129.41600000
RelInt Mean	0.00004247	0.00576924	-0.00037867	0.00222121	0.00340787	0.20946200	0.00158038
RelInt RSD	9.55543259	2.12941393	8.26585611	1.43276863	0.04975689	0.21229483	2.75662183
RelInt SD	0.00000406	0.00012285	0.00003130	0.00003182	0.00000170	0.00044468	0.00004357
Conc Mean	<-0.00047954[mg/l]	0.73812700[mg/l]	<-0.01507590[mg/l]	0.01578170[mg/l]	0.01055970[mg/l]	8.89161000[mg/l]	0.00776774[mg/l]
Conc RSD	35.19510201	2.36149064	10.05850397	2.38153051	0.05347803	0.21875453	3.04604686
Conc SD	0.00016878[mg/l]	0.01743080[mg/l]	0.00151641[mg/l]	0.00037585[mg/l]	0.00000565[mg/l]	0.01945080[mg/l]	0.00023661[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	17502.9000000	253849	28130900	8119.82000000	24928.2000000	907595	9473.19000000
Int RSD	1.14537020	2.37391914	0.03638597	1.61857036	0.38026051	0.27319564	0.53618792
Int SD	200.47300000	6026.17000000	10235.7000000	131.42500000	94.79210000	2479.51000000	50.79410000
RelInt Mean	0.00287769	0.00505697	15.46900000	0.00224001	0.00858941	0.49010600	-0.00034191
RelInt RSD	2.28723733	2.53588611	0.62471718	2.98995987	1.25230953	0.88784263	7.82135013
RelInt SD	0.00006582	0.00012824	0.09663750	0.00006698	0.00010757	0.00435137	0.00002674
Conc Mean	0.01739210[mg/l]	0.15872100[mg/l]	52.88230000[mg/l]	2.74290000[mg/l]	3.30663000[mg/l]	0.32419500[mg/l]	<-0.00323663[mg/l]
Conc RSD	2.34039593	2.70231412	0.62486125	3.71847315	1.31406296	0.88902050	6.79660635
Conc SD	0.00040704[mg/l]	0.00428914[mg/l]	0.33044100[mg/l]	0.10199400[mg/l]	0.04345120[mg/l]	0.00288216[mg/l]	0.00021998[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	71535.6000000	20511.9000000	74671.0000000	10837.4000000	10270.0000000	13937.2000000	31490.7000000
Int RSD	0.07676555	0.58391470	0.27269087	0.36345064	1.03555988	0.90441409	0.78470787
Int SD	54.91470000	119.77200000	203.62100000	39.38860000	106.35200000	126.05000000	247.11000000
RelInt Mean	0.04482750	0.00365342	0.03315340	0.00029988	0.00046802	0.00084873	0.01617530
RelInt RSD	0.30992583	3.40584986	1.18172194	7.39031556	13.04915441	3.21617762	1.20162841
RelInt SD	0.00013893	0.00012443	0.00039178	0.00002216	0.00006107	0.00002730	0.00019437
Conc Mean	5.38207000[mg/l]	0.03026380[mg/l]	1.06927000[mg/l]	0.01274330[mg/l]	0.02729330[mg/l]	0.01672090[mg/l]	0.01627650[mg/l]
Conc RSD	0.381897207	3.34456686	1.17723307	8.63983427	12.99036760	3.34606391	1.31210027
Conc SD	0.01716730[mg/l]	0.00101219[mg/l]	0.01258780[mg/l]	0.00110100[mg/l]	0.00354550[mg/l]	0.00055949[mg/l]	0.00021356[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	281494	8543.35000000	24306.1000000	1834570	36453200	1119900	6812740
Int RSD	3.22396214	0.41701323	0.78065588	0.65428956	0.72548089	0.66397893	0.53401568
Int SD	9075.26000000	35.62690000	189.74700000	12003.4000000	264461	7435.90000000	36381.1000000
RelInt Mean	0.00535498	-0.00088824	0.00009617	---	---	---	3.74319000
RelInt RSD	3.97501018	0.71579963	3.55905731	---	---	---	0.25186405
RelInt SD	0.00021286	0.00000636	0.00000342	---	---	---	0.00942775
Conc Mean	0.04967880[mg/l]	<-0.05770110[mg/l]	0.00638995[mg/l]	1817340	36343900	1106080	11.90380000[mg/l]
Conc RSD	4.06328253	0.76928343	8.75787760	---	---	---	0.25175742
Conc SD	0.00201859[mg/l]	0.00044389[mg/l]	0.00055962[mg/l]	11986.4000000	264591	7549.77000000	0.02996870[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6372.19000000	21605.9000000	190198	80352.3000000	13336.6000000	100137	
Int RSD	2.78121023	1.27388815	1.53763972	0.27616011	0.76360542	0.59879066	
Int SD	177.22400000	275.23500000	2924.56000000	221.90100000	101.83900000	599.61100000	
RelInt Mean	-0.00020679	0.00018101	0.09718790	0.03778740	0.00013435	0.04868620	
RelInt RSD	24.77890186	84.66123793	1.52906895	0.98184315	5.46807291	1.30512753	
RelInt SD	0.00005124	0.00015325	0.00148607	0.00037101	0.00000735	0.00063542	
Conc Mean	<0.00022801[mg/l]	<0.00584396[mg/l]	1.56265000[mg/l]	0.94020600[mg/l]	<-0.00003070[mg/l]	3.70841000[mg/l]	
Conc RSD	54.81095210	55.70948466	1.54383899	0.98511603	97.33833617	1.30081086	
Conc SD	0.00012497[mg/l]	0.00325564[mg/l]	0.02412480[mg/l]	0.00926212[mg/l]	0.00002989[mg/l]	0.04823940[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-021	Client ID: ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-L-LA
Seqnum: 483456997041	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:50
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	3.936	200	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1834750	-11.18

! = warning + = high bias < = opening a = ICSA u = use

Sample Name: 495753-021,326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:50:33

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	83252.5000000	35078.5000000	10026.3000000	16974.3000000	20673.1000000	221915	16813.1000000
Int RSD	0.55203507	0.73125704	0.57450705	0.11464037	0.73768811	0.65895050	0.35588262
Int SD	459.58300000	256.51400000	57.60180000	19.45940000	152.50300000	1462.31000000	59.83490000
RelInt Mean	0.00004261	0.01802860	0.00015500	0.00227046	0.00378470	0.19093000	0.00217997
RelInt RSD	26.54532484	0.88294155	21.57304241	1.77448623	1.50118900	0.21235688	1.27859099
RelInt SD	0.00001131	0.00015918	0.00003344	0.00004029	0.00005682	0.00040545	0.00002787
Conc Mean	<0.00047364[mg/l]	2.47757000[mg/l]	0.01076900[mg/l]	0.01636330[mg/l]	0.01173820[mg/l]	8.08065000[mg/l]	0.01094100[mg/l]
Conc RSD	99.32206467	0.91167959	15.04986535	2.90808089	1.51727692	0.21974346	1.32579289
Conc SD	0.00047043[mg/l]	0.02258750[mg/l]	0.00162072[mg/l]	0.00047586[mg/l]	0.00017810[mg/l]	0.01775670[mg/l]	0.00014506[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	22982.7000000	499821	38433600	8004.93000000	27668.4000000	1331430	9648.58000000
Int RSD	0.35572757	2.73369866	0.54192425	0.68273052	1.19152535	0.39789850	0.72241200
Int SD	81.75580000	13663.6000000	208281	54.65210000	329.67600000	5297.74000000	69.70250000
RelInt Mean	0.00578841	0.01187530	21.13730000	0.00204965	0.01079260	0.72300500	-0.00019436
RelInt RSD	1.34314432	2.51730062	1.00911659	5.14795209	1.10310768	0.38211769	24.83353313
RelInt SD	0.00007775	0.00029894	0.21330000	0.00010552	0.00011905	0.00276273	0.00004827
Conc Mean	0.03539340[mg/l]	0.38677100[mg/l]	72.26110000[mg/l]	2.45300000[mg/l]	4.19662000[mg/l]	0.47845600[mg/l]	<0.00202292[mg/l]
Conc RSD	1.35859511	2.58502318	1.00910448	6.55083571	1.14623912	0.38251166	19.62751864
Conc SD	0.00048085[mg/l]	0.00999812[mg/l]	0.72919000[mg/l]	0.16069200[mg/l]	0.04810330[mg/l]	0.00183015[mg/l]	0.00039705[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	65711.7000000	38406.0000000	237040	10940.8000000	9916.62000000	16115.4000000	31605.0000000
Int RSD	1.15047549	0.36843462	0.79485741	0.61986783	0.84750348	0.22620661	1.27673469
Int SD	755.99700000	141.50100000	1884.13000000	67.81850000	84.04370000	36.45410000	403.51200000
RelInt Mean	0.03892080	0.01346510	0.12234400	0.00035715	0.00037802	0.00252050	0.01594470
RelInt RSD	0.70617510	0.88854892	0.73807461	17.90256646	2.82906415	0.67708391	0.79953840
RelInt SD	0.00027485	0.00011964	0.00090299	0.00006394	0.00001069	0.00001707	0.00012748
Conc Mean	4.65238000[mg/l]	0.11007800[mg/l]	3.93619000[mg/l]	0.01548750[mg/l]	0.02206860[mg/l]	0.05098680[mg/l]	0.01602320[mg/l]
Conc RSD	0.72975767	0.88388870	0.73752029	20.52894270	2.81342269	0.68607953	0.87415123
Conc SD	0.03395110[mg/l]	0.00097297[mg/l]	0.02903020[mg/l]	0.00317942[mg/l]	0.00062088[mg/l]	0.00034981[mg/l]	0.00014007[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	566471	8416.37000000	24732.5000000	1834750	36224200	1137330	5834660
Int RSD	4.68147531	0.44913187	0.31041100	0.45720834	0.69514303	0.83312583	0.18305265
Int SD	26519.2000000	37.80060000	76.77240000	8388.63000000	251810	9475.39000000	10680.5000000
RelInt Mean	0.01326550	-0.00074958	0.00010535	---	---	---	3.20487000
RelInt RSD	4.87111681	0.80368928	4.54303749	---	---	---	0.32551398
RelInt SD	0.00064618	0.00000602	0.00000479	---	---	---	0.01043230
Conc Mean	0.12469600[mg/l]	<0.04828050[mg/l]	0.00789109[mg/l]	1817380	36114400	1123410	10.19120000[mg/l]
Conc RSD	4.91456823	0.84152815	9.91830026	---	---	---	0.32579873
Conc SD	0.00612827[mg/l]	0.00040629[mg/l]	0.00078266[mg/l]	8431.95000000	251727	9396.66000000	0.03320280[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6409.33000000	21519.0000000	502716	80091.1000000	13408.8000000	84126.4000000	
Int RSD	1.49991029	0.43280775	0.91242371	0.33961451	0.98957401	0.48428080	
Int SD	96.13420000	93.13590000	4586.90000000	272.00100000	132.69000000	407.40800000	
RelInt Mean	-0.00017884	0.00008098	0.26875100	0.03795090	0.00004634	0.04007110	
RelInt RSD	54.53559307	60.71479289	0.88339020	0.83446769	133.14090003	0.73670800	
RelInt SD	0.00009753	0.00004917	0.00237412	0.00031669	0.00006169	0.00029521	
Conc Mean	<0.00029617[mg/l]	<0.00371884[mg/l]	4.34783000[mg/l]	0.94428700[mg/l]	<0.00044166[mg/l]	3.05429000[mg/l]	
Conc RSD	80.32069528	28.08725301	0.88631110	0.83703895	51.23634429	0.73388251	
Conc SD	0.00023788[mg/l]	0.00104452[mg/l]	0.03853530[mg/l]	0.00790405[mg/l]	0.00022629[mg/l]	0.02241490[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 495753-023	Client ID: ARCH-C13E-INT-2.5 TO 3.5-231109-L-WF
Seqnum: 483456997042	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 10:53
Cal: 483456997001	Caldate: 13-NOV-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.4603	23	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2065650	1825830	-11.61

!=warning +=high bias <=opening a=ICSA u=use

Sample Name: 495753-023,326326 Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:53:49 Recalculation Date: State: Measured Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	83633.4000000	17856.3000000	9869.95000000	17757.8000000	18003.1000000	174602	25999.2000000
Int RSD	0.36492597	1.32046393	0.17528154	0.54907196	0.65571485	0.26636980	0.75957722
Int SD	305.20000000	235.78600000	17.30020000	97.50310000	118.04900000	465.08700000	197.48400000
RelInt Mean	0.00003784	0.00288847	-0.00007405	0.00235952	0.00217367	0.15033800	0.00714160
RelInt RSD	9.89086575	3.65446067	20.02484891	2.54269089	2.56842575	0.02023028	1.81424331
RelInt SD	0.00000374	0.00010556	0.00001483	0.00006000	0.00005583	0.00003041	0.00012957
Conc Mean	<-0.00067199[mg/l]	0.32938100[mg/l]	<-0.00039924[mg/l]	0.01741520[mg/l]	0.00668607[mg/l]	6.30443000[mg/l]	0.03842870[mg/l]
Conc RSD	23.16551238	4.54683178	180.02554886	4.06871009	2.62159983	0.02112277	1.85639119
Conc SD	0.00015567[mg/l]	0.01497640[mg/l]	0.00071873[mg/l]	0.00070857[mg/l]	0.00017528[mg/l]	0.00133167[mg/l]	0.00071339[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	46299.1000000	389711	62787100	8074.96000000	23982.8000000	1785350	9629.31000000
Int RSD	0.24750589	3.93573699	0.42159775	2.11114358	0.87169555	0.14781751	1.16088276
Int SD	114.59300000	15338.0000000	264709	170.47400000	209.05700000	2639.06000000	111.78500000
RelInt Mean	0.01841350	0.00876789	34.71630000	0.00216666	0.00764930	0.97715900	-0.00036718
RelInt RSD	0.23798463	1.70326042	0.79755331	6.26923467	1.81630999	0.25611083	9.14074841
RelInt SD	0.00004382	0.00014934	0.27688100	0.00013583	0.00013894	0.00250261	0.00003356
Conc Mean	0.11347300[mg/l]	0.28283900[mg/l]	>118.68500000[mg/l]	2.63119000[mg/l]	2.92688000[mg/l]	0.64679400[mg/l]	<-0.00344452[mg/l]
Conc RSD	0.23867616	1.76592337	0.79781101	7.86199400	1.91749576	0.25623769	8.01534031
Conc SD	0.00027083[mg/l]	0.00499472[mg/l]	0.94688200[mg/l]	0.20686400[mg/l]	0.05612280[mg/l]	0.00165733[mg/l]	0.00027609[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	67354.7000000	44493.4000000	40280.7000000	10639.2000000	9972.70000000	13563.1000000	27575.7000000
Int RSD	0.20980422	0.68431722	0.27953089	0.77698041	1.02101738	0.54967154	0.24635966
Int SD	141.31300000	304.47600000	112.59700000	82.66450000	101.82300000	74.55250000	67.93540000
RelInt Mean	0.04084120	0.01672280	0.01426600	0.00021706	0.00023835	0.00086338	0.01247440
RelInt RSD	0.75127567	0.61227785	0.88001542	31.24766196	27.38104728	8.08061294	0.50842606
RelInt SD	0.00030683	0.00010239	0.00012554	0.00006783	0.00006526	0.00006977	0.00006342
Conc Mean	4.88962000[mg/l]	0.13657900[mg/l]	0.46026200[mg/l]	0.00805788[mg/l]	0.01396030[mg/l]	0.01702130[mg/l]	0.01221030[mg/l]
Conc RSD	0.77514613	0.61013772	0.87325263	41.89340124	27.13996118	8.40112095	0.57023980
Conc SD	0.03790170[mg/l]	0.00083332[mg/l]	0.00401925[mg/l]	0.00337572[mg/l]	0.00378882[mg/l]	0.00142998[mg/l]	0.00006964[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	205093	8555.45000000	24086.0000000	1825830	36417200	1125210	1298390
Int RSD	1.92170869	0.14325021	0.46404550	0.38138326	3.23446064	0.22171595	0.38119748
Int SD	3941.29000000	12.25570000	111.77000000	6963.41000000	1177900	2494.77000000	4949.43000000
RelInt Mean	0.00326518	-0.00080483	0.00006715	---	---	---	0.71285300
RelInt RSD	0.33852039	2.04785879	7.74694433	---	---	---	0.09263972
RelInt SD	0.00001105	0.00001648	0.00000520	---	---	---	0.00066038
Conc Mean	0.02986060[mg/l]	<-0.05186760[mg/l]	<0.00164432[mg/l]	1807970	36306800	1111340	2.26278000[mg/l]
Conc RSD	0.35111150	2.20461328	51.72861730	---	---	---	0.09294231
Conc SD	0.00010484[mg/l]	0.00114348[mg/l]	0.00085058[mg/l]	6906.11000000	1178140	2496.32000000	0.00210308[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6459.09000000	21503.1000000	124952	83080.8000000	13606.3000000	93406.2000000	
Int RSD	1.33361511	1.42594789	0.84460433	0.27130336	0.94074804	0.26987930	
Int SD	86.13940000	306.62300000	1055.35000000	225.40100000	128.00100000	252.08400000	
RelInt Mean	-0.00020982	0.00013548	0.06118750	0.03961910	-0.00017169	0.04528800	
RelInt RSD	26.77251779	196.34495586	1.04438652	0.68530835	32.16705012	0.23706721	
RelInt SD	0.00005617	0.00026602	0.00063903	0.00027151	0.00005523	0.00010736	
Conc Mean	<0.00022060[mg/l]	<0.00487675[mg/l]	0.97821600[mg/l]	0.98592600[mg/l]	<-0.00118609[mg/l]	3.45040000[mg/l]	
Conc RSD	62.10812134	115.88311888	1.06114600	0.68737512	16.68684501	0.23623058	
Conc SD	0.00013701[mg/l]	0.00565133[mg/l]	0.01038030[mg/l]	0.00677701[mg/l]	0.00019792[mg/l]	0.00815090[mg/l]	

ENTHALPY BLANK USER REPORT FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	Lab ID: QC1106346	
Seqnum: 483456997024.1	Matrix: Wipe	
File: met06_master011	Batch: 326326	Time: 13-NOV-2023 09:54
Cal: 483456997001	Caldate: 13-NOV-2023	
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	Flags
Lead	A	-0.001904	ND	0.50	U

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	2065650	1882280	-8.88

U=USE

Sample Name: BLANK, QC1106346, 326326 Sample Type: Unknown Sample

Measure Date: 2023-11-13 09:54:09 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	87530.5000000	15919.9000000	6635.80000000	14506.5000000	13802.7000000	14828.5000000	13175.9000000
Int RSD	0.53733841	1.37656644	0.99361644	0.50130769	1.61043854	1.97295074	1.11637915
Int SD	470.33500000	219.14800000	65.93440000	72.72220000	222.28400000	292.55900000	147.09300000
RelInt Mean	0.00005338	0.00123199	-0.00015199	0.00114352	0.00003215	0.00646156	0.00012050
RelInt RSD	10.77473694	5.54648171	14.48951932	4.65919267	265.76759549	0.84407945	67.48425324
RelInt SD	0.00000575	0.00006833	0.00002202	0.00005328	0.00008545	0.00005454	0.00008132
Conc Mean	<0.00002581[mg/l]	0.09434680[mg/l]	<-0.00407659[mg/l]	0.00305414[mg/l]	<-0.00005179[mg/l]	<0.00868486[mg/l]	<-0.00018598[mg/l]
Conc RSD	926.92094566	10.27598180	26.18315798	20.60282109	518.34552378	27.48081144	240.70834050
Conc SD	0.00023920[mg/l]	0.00969506[mg/l]	0.00106738[mg/l]	0.00062924[mg/l]	0.00026845[mg/l]	0.00238667[mg/l]	0.00044768[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	12533.9000000	85581.7000000	28388.7000000	6527.60000000	16284.7000000	18898.5000000	8803.07000000
Int RSD	0.66919634	0.68847896	10.84547725	2.38347938	1.62491173	0.19816652	0.35980857
Int SD	83.87640000	589.21200000	3078.89000000	155.58400000	264.61200000	37.45050000	31.67420000
RelInt Mean	0.00014267	0.00033857	0.00609071	0.00065031	0.00037724	0.00135303	0.00013706
RelInt RSD	29.16031765	1.50444224	28.68696753	8.87069913	47.90599163	1.49293807	11.92759481
RelInt SD	0.00004160	0.00000509	0.00174724	0.00005769	0.00018072	0.00002020	0.00001635
Conc Mean	<0.00047755[mg/l]	<0.00090635[mg/l]	0.01728650[mg/l]	<0.32196300[mg/l]	<-0.01064610[mg/l]	0.00047011[mg/l]	<0.00070342[mg/l]
Conc RSD	53.87865957	18.79644994	34.55569375	27.28571295	685.71307803	2.84617888	19.11815927
Conc SD	0.00025730[mg/l]	0.00017036[mg/l]	0.00597347[mg/l]	0.08784990[mg/l]	0.07300170[mg/l]	0.00001338[mg/l]	0.00013448[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	26243.8000000	13868.0000000	14096.8000000	9569.11000000	7515.22000000	8582.65000000	14391.0000000
Int RSD	0.75923456	0.11097491	0.53643735	0.25725067	0.44646730	0.61537987	1.38283650
Int SD	199.25200000	15.39000000	75.62050000	24.61660000	33.55300000	52.81590000	199.00400000
RelInt Mean	0.00332010	0.00002164	-0.00020965	0.00011849	0.00002367	0.00107140	0.00033183
RelInt RSD	4.60838529	92.53846545	24.20025853	9.44069342	41.19325864	2.56014560	33.03368010
RelInt SD	0.00015300	0.00002002	0.00005074	0.00001119	0.00000975	0.00002743	0.00010962
Conc Mean	0.25443400[mg/l]	0.00072057[mg/l]	<-0.00190417[mg/l]	0.00381492[mg/l]	<0.00149704[mg/l]	0.02128480[mg/l]	<-0.00113074[mg/l]
Conc RSD	7.42876345	22.60292128	85.58794645	14.56030533	37.80994496	2.64124634	10.65125493
Conc SD	0.01890130[mg/l]	0.00016287[mg/l]	0.00162974[mg/l]	0.00055546[mg/l]	0.00056603[mg/l]	0.00056218[mg/l]	0.00012044[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	93812.8000000	6743.17000000	23916.1000000	1882280	37112400	1145700	11229.8000000
Int RSD	0.411137350	0.24587397	1.52537412	1.33548675	0.40363059	0.94645195	0.53363640
Int SD	385.92100000	16.57970000	364.81000000	25137.6000000	149797	10843.5000000	59.92630000
RelInt Mean	0.00006231	-0.00022802	0.00006337	---	---	---	0.00128104
RelInt RSD	20.71290542	11.90242918	10.69895663	---	---	---	2.40787954
RelInt SD	0.00001291	0.00002714	0.00000678	---	---	---	0.00003085
Conc Mean	<-0.00051313[mg/l]	<-0.01181110[mg/l]	<-0.00102552[mg/l]	1865060	36998100	1131480	<-0.00102911[mg/l]
Conc RSD	23.85058815	15.93238564	108.11100710	---	---	---	9.53976737
Conc SD	0.00012239[mg/l]	0.00188179[mg/l]	0.00110870[mg/l]	25096.7000000	149849	10687.0000000	0.00009817[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6673.54000000	22075.9000000	22353.5000000	9306.16000000	13286.0000000	11226.5000000	
Int RSD	1.66619216	0.98974900	2.66287159	2.01762059	0.46986301	3.46430321	
Int SD	111.19400000	218.49600000	595.24500000	187.76300000	62.42600000	388.92000000	
RelInt Mean	-0.00020816	0.00015596	0.00499630	0.00095439	0.00024056	0.00122678	
RelInt RSD	28.03103307	68.07660742	7.76836859	10.00750219	13.70573906	18.44788797	
RelInt SD	0.000005835	0.00010618	0.00038813	0.00009551	0.00003297	0.00022631	
Conc Mean	<0.00022464[mg/l]	<0.00531184[mg/l]	0.06589880[mg/l]	0.02082040[mg/l]	<0.00031172[mg/l]	0.10497100[mg/l]	
Conc RSD	63.35329075	42.46381668	9.55824689	11.45035638	39.29628929	16.36956874	
Conc SD	0.00014232[mg/l]	0.00225561[mg/l]	0.00629877[mg/l]	0.00238401[mg/l]	0.00012249[mg/l]	0.01718330[mg/l]	

ENTHALPY SPIKE USER REPORT FOR 495753 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET06	Inst: MET06
Seqnum: 483456997027.1	Seqnum: 483456997028.1
File: met06_master011	File: met06_master011
IDF: 1.0	IDF: 1.0
Lab ID: QC1106347	Lab ID: QC1106348
Matrix: Wipe	Matrix: Wipe
Batch: 326326	Batch: 326326
Time: 13-NOV-2023 10:03	Time: 13-NOV-2023 10:07
Cal: 483456997001	Cal: 483456997001
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	1.045	52.27	A	105	1.025	51.27	A	103	80-120	2	20	l<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	2065650	1853380	-10.28

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	2065650	1913180	-7.38

l=warning +=high bias <=opening a=ICSA u=use

Sample Name: BS, QC1106347, 326326

Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:03:53

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	501065	24041.000000	41314.100000	148699	621959	41978.900000	360390
Int RSD	1.65871693	0.53044383	0.67362958	0.47837578	0.37054372	1.12499136	0.43094425
Int SD	8311.25000000	127.52400000	278.30400000	711.34000000	2304.63000000	472.25900000	1553.08000000
RelInt Mean	0.01146650	0.00835881	0.01871500	0.07429600	0.33117200	0.03080010	0.18904500
RelInt RSD	3.31787381	1.91238944	0.72104194	0.46126844	0.65273030	1.56689102	0.62105848
RelInt SD	0.00038044	0.00015985	0.00013494	0.00034270	0.00216166	0.00048260	0.00117408
Conc Mean	0.47463200[mg/l]	1.10556000[mg/l]	0.90927800[mg/l]	0.86698400[mg/l]	1.03594000[mg/l]	1.07369000[mg/l]	1.03858000[mg/l]
Conc RSD	3.33361425	2.05193748	0.71842935	0.46684714	0.65331679	1.96702028	0.62347436
Conc SD	0.01582240[mg/l]	0.02268540[mg/l]	0.00653252[mg/l]	0.00404749[mg/l]	0.00676797[mg/l]	0.02111970[mg/l]	0.00647528[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	318865	1097820	588344	14141.700000	19286.300000	2982000	223231
Int RSD	0.48856099	1.39145762	0.27081775	1.56952842	0.60744155	0.90733400	0.38526594
Int SD	1557.85000000	15275.700000	1593.34000000	221.95800000	117.15300000	27056.700000	860.03300000
RelInt Mean	0.16680200	0.02823960	0.31110500	0.00739330	0.00309721	1.61485000	0.11692300
RelInt RSD	0.54408101	2.74419963	0.64263191	2.94958949	3.38536941	0.44920209	0.58397321
RelInt SD	0.00090754	0.00077495	0.00199926	0.00021807	0.00010485	0.00725394	0.00068280
Conc Mean	1.03117000[mg/l]	0.93410200[mg/l]	1.06008000[mg/l]	10.59080000[mg/l]	1.08808000[mg/l]	1.06917000[mg/l]	0.96139000[mg/l]
Conc RSD	0.54395008	2.77493250	0.64471078	3.13581599	3.89267333	0.44902494	0.58443296
Conc SD	0.00560905[mg/l]	0.02592070[mg/l]	0.00683445[mg/l]	0.33210800[mg/l]	0.04235540[mg/l]	0.00480084[mg/l]	0.00561868[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	35053.400000	245089	73962.200000	44801.900000	32921.800000	9005.56000000	1135630
Int RSD	0.21764879	0.40863931	0.31798135	0.41395566	0.46040314	0.32476270	0.55947712
Int SD	76.29330000	1001.53000000	235.18600000	185.46000000	151.57300000	29.24670000	6353.59000000
RelInt Mean	0.01122780	0.12587400	0.03236970	0.01929420	0.01387450	0.00130114	1.00126000
RelInt RSD	1.11036000	0.67845306	0.54496335	0.97417877	1.22307831	2.74036614	0.41143160
RelInt SD	0.00012467	0.00085400	0.00017640	0.00018796	0.00016970	0.00003566	0.00411950
Conc Mean	1.23132000[mg/l]	1.02448000[mg/l]	1.04539000[mg/l]	0.95208400[mg/l]	0.80560100[mg/l]	0.02599380[mg/l]	1.09859000[mg/l]
Conc RSD	1.25047916	0.67812744	0.54235166	0.97906382	1.22288329	2.81184359	0.41191618
Conc SD	0.01539740[mg/l]	0.00694728[mg/l]	0.00566969[mg/l]	0.00932151[mg/l]	0.00985156[mg/l]	0.00073091[mg/l]	0.00452527[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	3852420	34216.600000	232940	1853380	36345600	1134220	617456
Int RSD	2.04129612	0.71653525	1.21693998	0.79025888	1.37091147	0.50804077	0.30564931
Int SD	78639.300000	245.17400000	2834.74000000	14646.500000	498266	5762.30000000	1887.25000000
RelInt Mean	0.10369400	0.01479980	0.00583365	---	---	---	0.33133900
RelInt RSD	3.43537717	0.20069798	2.59737900	---	---	---	0.72932555
RelInt SD	0.00356228	0.00002970	0.00015152	---	---	---	0.00241654
Conc Mean	0.98225700[mg/l]	1.02505000[mg/l]	0.94421600[mg/l]	1836260	36233700	1119940	1.04853000[mg/l]
Conc RSD	3.43914067	0.19616311	2.62416650	---	---	---	0.73288795
Conc SD	0.03378120[mg/l]	0.00201077[mg/l]	0.02477780[mg/l]	14723.700000	499050	5703.48000000	0.00768455[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	456753	78293.700000	521266	9950.92000000	493740	9283.33000000	
Int RSD	0.69687118	0.92663650	0.20351606	0.47018567	0.37335035	0.82121286	
Int SD	3182.98000000	725.49800000	1060.86000000	46.78780000	1843.38000000	76.23590000	
RelInt Mean	0.40109000	0.05009790	0.27647500	0.00132662	0.26146000	0.00017997	
RelInt RSD	0.23048468	2.05655327	0.67364500	2.04910223	0.63134323	21.87160368	
RelInt SD	0.00092445	0.00103029	0.00186246	0.00002718	0.00165071	0.00003936	
Conc Mean	0.97909000[mg/l]	1.06630000[mg/l]	4.45154000[mg/l]	0.03011160[mg/l]	0.93759900[mg/l]	0.02549020[mg/l]	
Conc RSD	0.23034518	2.05291194	0.67648724	2.25359662	0.63175409	11.72485897	
Conc SD	0.00225510[mg/l]	0.02189020[mg/l]	0.03011410[mg/l]	0.00067859[mg/l]	0.00592332[mg/l]	0.00298869[mg/l]	

Sample Name: BSD,QC1106348,326326 Sample Type: Unknown Sample

Measure Date: 2023-11-13 10:07:09 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	505799	23569.5000000	42133.7000000	149688	622068	41487.6000000	361848
Int RSD	2.15302917	1.06966206	0.63984886	0.64896451	0.80871866	0.35177258	0.65020948
Int SD	10890.0000000	252.11400000	269.59200000	971.42200000	5030.78000000	145.94200000	2352.77000000
RelInt Mean	0.01142070	0.00805389	0.01854440	0.07245440	0.32092000	0.03037560	0.18390400
RelInt RSD	2.21306925	2.37876355	2.42003516	3.44300691	3.57141967	0.77922741	3.42276405
RelInt SD	0.00025275	0.00019158	0.00044878	0.00249461	0.01146140	0.00023669	0.00629460
Conc Mean	0.47272400[mg/l]	1.06229000[mg/l]	0.90103700[mg/l]	0.84523500[mg/l]	1.00387000[mg/l]	1.05512000[mg/l]	1.01027000[mg/l]
Conc RSD	2.22372886	2.55847273	2.41012300	3.48563417	3.57162780	0.98175563	3.43115207
Conc SD	0.01051210[mg/l]	0.02717840[mg/l]	0.02171610[mg/l]	0.02946180[mg/l]	0.03585450[mg/l]	0.01035870[mg/l]	0.03466390[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	319066	1096210	599041	13853.2000000	19192.0000000	2996920	222955
Int RSD	0.93858637	2.61696208	0.88443529	0.78263506	0.79031888	0.69462982	0.82357426
Int SD	2994.71000000	28687.4000000	5298.13000000	108.42000000	151.67800000	20817.5000000	1836.20000000
RelInt Mean	0.16169600	0.02784250	0.30703100	0.00711602	0.00304578	1.57254000	0.11313600
RelInt RSD	3.70602860	2.43657358	3.65572206	1.78382017	6.37304730	2.81727651	3.62341783
RelInt SD	0.00599250	0.00067840	0.01122420	0.00012694	0.00019411	0.04430280	0.00409939
Conc Mean	0.99959500[mg/l]	0.92081900[mg/l]	1.04615000[mg/l]	10.16850000[mg/l]	1.06730000[mg/l]	1.04115000[mg/l]	0.93024200[mg/l]
Conc RSD	3.70771162	2.46415419	3.66840319	1.90128338	7.34643493	2.81802814	3.62484171
Conc SD	0.03706210[mg/l]	0.02269040[mg/l]	0.03837700[mg/l]	0.19333200[mg/l]	0.07840850[mg/l]	0.02933990[mg/l]	0.03371980[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	34904.6000000	246477	74841.6000000	45286.0000000	33861.5000000	8781.20000000	1126280
Int RSD	0.66091862	0.72302487	0.74965126	0.33761207	0.89331542	0.63384048	1.13500195
Int SD	230.69100000	1782.09000000	561.05100000	152.89100000	302.49000000	55.65880000	12783.3000000
RelInt Mean	0.01118010	0.12262500	0.03174690	0.01890430	0.01391330	0.00112922	0.99299800
RelInt RSD	1.94322949	3.49562487	1.86397727	2.66060632	1.72243106	2.91284249	0.39107833
RelInt SD	0.00021726	0.00428651	0.00059176	0.00050297	0.00023965	0.00003289	0.00388340
Conc Mean	1.22542000[mg/l]	0.99806000[mg/l]	1.02538000[mg/l]	0.93286900[mg/l]	0.80785400[mg/l]	0.02247010[mg/l]	1.08951000[mg/l]
Conc RSD	2.19040819	3.49360760	1.85618990	2.66013770	1.72243995	3.00040943	0.39127773
Conc SD	0.02684170[mg/l]	0.03486830[mg/l]	0.01903300[mg/l]	0.02481560[mg/l]	0.01391480[mg/l]	0.00067420[mg/l]	0.00426301[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	3865010	34597.6000000	232539	1913180	36753500	1133920	623770
Int RSD	2.50433246	0.52473293	2.62358142	2.76581921	0.33217245	0.79938620	0.62553666
Int SD	96792.7000000	181.54500000	6100.85000000	52915.1000000	122085	9064.40000000	3901.91000000
RelInt Mean	0.10281600	0.01457860	0.00574634	---	---	---	0.32437600
RelInt RSD	2.22895269	2.19105401	2.47792508	---	---	---	3.37309172
RelInt SD	0.00229172	0.00031943	0.00014239	---	---	---	0.01094150
Conc Mean	0.97393100[mg/l]	1.00981000[mg/l]	0.92995200[mg/l]	1896030	36639100	1119720	1.02639000[mg/l]
Conc RSD	2.23168787	2.18269774	2.50349480	---	---	---	3.38968618
Conc SD	0.02173510[mg/l]	0.02204110[mg/l]	0.02328130[mg/l]	52932.6000000	122243	9102.94000000	0.03479140[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	453655	77763.9000000	472803	10139.7000000	498786	9263.89000000	
Int RSD	0.96979423	0.48241922	0.66951563	0.76680277	0.82069665	0.89386424	
Int SD	4399.52000000	375.14800000	3165.49000000	77.75150000	4093.52000000	82.80660000	
RelInt Mean	0.39849900	0.04973880	0.24233900	0.00132985	0.25600800	0.00010722	
RelInt RSD	0.18056658	1.00990374	3.42254445	6.11392262	3.58076701	39.02572329	
RelInt SD	0.00071956	0.00050231	0.00829416	0.00008131	0.00916705	0.00004184	
Conc Mean	0.97268800[mg/l]	1.05867000[mg/l]	3.89807000[mg/l]	0.03019220[mg/l]	0.91799800[mg/l]	0.01996610[mg/l]	
Conc RSD	0.18044224	1.00799116	3.43480235	6.72166984	3.58733897	15.91172037	
Conc SD	0.00175514[mg/l]	0.01067130[mg/l]	0.13389100[mg/l]	0.00202942[mg/l]	0.03293170[mg/l]	0.00317695[mg/l]	

Instrument: MET06

Calibration #: 483456997001

Units: mg/L

Date: 13-NOV-2023 08:37

X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483456997002	L1	13-NOV-2023 08:41	S19164, S14463 (100X)
L2	met06_master011	483456997003	L2	13-NOV-2023 08:44	S19163, S14463 (100X)
L3	met06_master011	483456997004	L3	13-NOV-2023 08:47	S19162, S14463 (100X)
L4	met06_master011	483456997005	L4	13-NOV-2023 08:50	S19161, S14463 (100X)
L5	met06_master011	483456997006	L5	13-NOV-2023 08:54	S19156, S14463 (100X)
L6	met06_master011	483456997007	L6	13-NOV-2023 08:57	S19112, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00489	32.1568		0.0246	1.000		7	0.995	

$$\text{Instrument amount} = a0 + (\text{response} \times a1) + (\text{response}^2 \times a2)$$

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	0.0049	0.0151	0.0323	0.0328	0.0314	0.0310

Spiked Amounts / Drifts	Ch	L1 %D	L2 %D	L3 %D	L4 %D	L5 %D	L6 %D
Lead	A	0.0033 63	0.0100 -2	0.1000 9	1.0000 6	5.0000 1	10.000 0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 495753 METALS Wipe
EPA 6010B

Inst: MET06
Calnum: 483456997001

Cal Date: 13-NOV-2023

- ICV 483456997010 (13-NOV-2023) stds: S19393, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.031	mg/l	3	10	

Method Name: Met06_Master011923

Method Autor:

Operator

Sample Name: ICALBLK,CALBLANK

Sample Type: Calibration Sample

Measure Date: 2023-11-13 08:37:52

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	85069.1000000	15091.5000000	6678.57000000	13833.8000000	13316.5000000	15219.2000000	12912.4000000
Int RSD	0.49226805	0.80143790	0.58884761	0.58949457	0.23637743	0.98672729	0.68906942
Int SD	418.76800000	120.94900000	39.32660000	81.54950000	31.47720000	150.17200000	88.97540000
RelInt Mean	0.00005400	0.00056505	-0.00006820	0.00088288	0.00002731	0.00623839	0.00014215
RelInt RSD	12.19511789	7.66094094	27.61082967	11.70805965	80.85396221	3.97318860	12.49444257
RelInt SD	0.00000659	0.00004329	0.00001883	0.00010337	0.00002208	0.00024786	0.00001776
	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	12006.4000000	83608.5000000	18589.3000000	6385.95000000	16287.9000000	16752.9000000	8312.33000000
Int RSD	0.67693813	0.65476357	0.37405712	1.10016834	0.80836081	0.56867647	0.78020844
Int SD	81.27590000	547.43800000	69.53460000	70.25620000	131.66500000	95.26980000	64.85350000
RelInt Mean	0.00005563	0.00031325	0.00096336	0.00043756	0.00040103	0.00042346	0.00003839
RelInt RSD	133.63771341	3.20731045	4.80999295	3.36803326	32.00285263	14.72337542	72.61104686
RelInt SD	0.00007435	0.00001005	0.00004634	0.00001474	0.00012834	0.00006235	0.00002787
	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	23785.4000000	13408.6000000	13642.0000000	9215.85000000	7239.66000000	6589.84000000	14543.3000000
Int RSD	0.37775232	0.31618066	0.97872013	1.11916969	0.81609357	0.31890759	0.43754650
Int SD	89.84990000	42.39540000	133.51700000	103.14100000	59.08240000	21.01550000	63.63370000
RelInt Mean	0.00123996	-0.00007971	-0.00015516	0.00003775	-0.00000589	0.00003140	0.00048120
RelInt RSD	12.95065970	75.75802817	32.02643654	93.56618865	88.52404435	13.26773923	11.08439769
RelInt SD	0.00016058	0.00006038	0.00004969	0.00003532	0.00000521	0.00000417	0.00005334
	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	92944.3000000	6512.47000000	23195.7000000	2065650	40844500	1250430	11378.6000000
Int RSD	1.85249660	0.41866297	1.17291567	0.64575799	0.33108987	0.99205073	1.35633558
Int SD	1721.79000000	27.26530000	272.06600000	13339.1000000	135232	12404.9000000	154.33200000
RelInt Mean	0.00011546	-0.00006162	0.00005710	---	---	---	0.00136160
RelInt RSD	42.45775703	15.58139195	12.67478598	---	---	---	6.34356639
RelInt SD	0.00004902	0.00000960	0.00000724	---	---	---	0.00008637
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6483.48000000	21586.1000000	14591.2000000	7920.89000000	12919.4000000	8948.72000000	
Int RSD	2.84123650	1.34454116	0.20363370	0.82193920	0.81018468	0.66454309	
Int SD	184.21100000	290.23400000	29.71260000	65.10490000	104.67100000	59.46810000	
RelInt Mean	-0.00032082	-0.00010051	0.00093609	0.00012027	0.00016199	-0.00015575	
RelInt RSD	17.82902775	143.94432339	9.11407212	8.56918357	33.07726498	11.97634625	
RelInt SD	0.00005720	0.00014468	0.00008532	0.00001031	0.00005358	0.00001865	

Sample Name: ICAL,L1,S19164

Sample Type: Calibration Sample

Measure Date: 2023-11-13 08:41:08

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	86661.9000000	15028.0000000	6920.85000000	14242.1000000	16316.4000000	16462.6000000	13916.5000000
Int RSD	0.12135206	1.28571999	0.75534797	0.33497377	0.21474406	1.23292190	1.59724787
Int SD	105.16600000	193.21800000	52.27650000	47.70730000	35.03850000	202.97100000	222.28100000
RelInt Mean	0.00006073	0.00026619	-0.00001104	0.00095031	0.00134446	0.00736595	0.00044808
RelInt RSD	6.69231555	18.07560680	270.88534213	3.26571351	0.88355920	1.10948350	25.55152597
RelInt SD	0.00000406	0.00004812	0.00002991	0.00003103	0.00001188	0.00008172	0.00011449
	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	13442.6000000	88940.3000000	24987.1000000	6512.45000000	16513.6000000	30281.1000000	9449.49000000
Int RSD	0.75582849	0.34250053	0.41833986	1.81793334	1.17205818	1.00453088	0.40210636
Int SD	101.60300000	304.62100000	104.53100000	118.39200000	193.54900000	304.18300000	37.99700000
RelInt Mean	0.00063858	0.00043031	0.00400786	0.00049484	0.00051250	0.00710733	0.00051823
RelInt RSD	8.60356008	1.36920935	1.65367553	7.58779570	18.23000406	2.08746463	1.54888003
RelInt SD	0.00005494	0.00000589	0.00006628	0.00003755	0.00009343	0.00014836	0.00000803
	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	24954.1000000	15789.5000000	14357.5000000	9831.22000000	7744.31000000	7083.34000000	38284.7000000
Int RSD	1.04337163	0.49415561	0.59588508	0.55742115	0.82053792	0.39364763	0.77478732
Int SD	260.36400000	78.02470000	85.55420000	54.80130000	63.54500000	27.88340000	296.62500000
RelInt Mean	0.00204610	0.00092731	0.00001645	0.00025641	0.00017222	0.00022421	0.02011430
RelInt RSD	4.23179708	4.42419720	187.89639725	13.90298312	17.35595208	3.82905095	0.96895244
RelInt SD	0.00008659	0.00004103	0.00003091	0.00003565	0.00002989	0.00000859	0.00019490
	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	106081	7001.09000000	23787.2000000	1990220	38961400	1212920	18481.2000000
Int RSD	0.43631187	0.54799610	0.30260770	0.31582991	0.86455569	0.15587343	0.57804147
Int SD	462.84400000	38.36570000	71.98190000	6285.71000000	336843	1890.62000000	106.82900000
RelInt Mean	0.00042001	0.00010469	0.00006693	---	---	---	0.00491625
RelInt RSD	4.14769278	5.60089789	4.50805049	---	---	---	1.03954437
RelInt SD	0.00001742	0.00000586	0.00000302	---	---	---	0.00005111
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	7187.25000000	22176.4000000	14771.3000000	9406.41000000	14195.4000000	9090.31000000	
Int RSD	3.43199416	0.77289822	0.85383142	1.94425929	0.35002959	0.66483321	
Int SD	246.66600000	171.40100000	126.12200000	182.88500000	49.68810000	60.43540000	
RelInt Mean	0.00021985	0.00027227	0.00093178	0.00080785	0.00061601	-0.00016186	
RelInt RSD	96.28617173	4.69575821	7.27951972	8.85652606	4.53567898	14.25688867	
RelInt SD	0.00021169	0.00001279	0.00006783	0.00007155	0.00002794	0.00002308	

Method Name: Met06_Master011923

Method Autor:

Operator

Sample Name: ICAL,L2,S19163

Sample Type: Calibration Sample

Measure Date: 2023-11-13 08:44:25

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	87998.6000000	15290.4000000	7333.13000000	15356.7000000	20721.2000000	18769.6000000	15198.3000000
Int RSD	0.39770065	1.80226809	0.32905185	0.62700580	0.57847518	0.01536762	0.66948277
Int SD	349.97100000	275.57400000	24.12980000	96.28740000	119.86700000	2.88444000	101.75000000
RelInt Mean	0.00005206	0.00044544	0.00012812	0.00144673	0.00352765	0.00939252	0.00104586
RelInt RSD	10.54377827	46.54476473	3.78675908	5.70841138	1.42615339	1.93277204	7.65915132
RelInt SD	0.00000549	0.00020733	0.00000485	0.00008259	0.00005031	0.00018154	0.00008010

	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	15759.8000000	97255.4000000	32975.2000000	6624.60000000	16961.0000000	51752.9000000	11118.8000000
Int RSD	0.36076156	0.55782815	0.53855625	2.85971983	0.53622782	0.76770191	0.46074397
Int SD	56.85530000	542.51800000	177.59000000	189.44500000	90.94960000	397.30800000	51.22920000
RelInt Mean	0.00172858	0.00061571	0.00793714	0.00062832	0.00089852	0.01785780	0.00129563
RelInt RSD	2.28178621	3.34461034	0.91147693	23.94945879	6.72852429	1.05957621	1.90779775
RelInt SD	0.00003944	0.00002059	0.00007235	0.00015048	0.00006046	0.00018922	0.00002472

	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	26154.8000000	17171.9000000	14888.0000000	10746.2000000	8566.68000000	7828.85000000	78437.0000000
Int RSD	0.34451688	0.51740809	0.53725349	0.99555192	0.56369562	0.64328605	0.22761707
Int SD	90.10770000	88.84880000	79.98630000	106.98400000	48.29000000	50.36190000	178.53600000
RelInt Mean	0.00306265	0.00156911	0.00015146	0.00064371	0.00053184	0.00054957	0.05400990
RelInt RSD	5.11090069	2.28758978	48.02685875	8.15795238	6.65488999	4.64429528	1.23629001
RelInt SD	0.00015653	0.00003589	0.00007274	0.00005251	0.00003539	0.00002552	0.00066772

	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	134562	7668.31000000	25058.3000000	1987750	38871700	1204590	31704.8000000
Int RSD	0.63232711	0.35590632	0.33789523	0.08112942	0.67562263	1.12189210	0.38946784
Int SD	850.87200000	27.29200000	84.67080000	1612.65000000	262626	13514.2000000	123.48000000
RelInt Mean	0.00110484	0.00040177	0.00008727	---	---	---	0.01156130
RelInt RSD	0.94752181	2.82212238	6.96707890	---	---	---	0.44640914
RelInt SD	0.00001047	0.00001134	0.00000608	---	---	---	0.00005161

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8339.16000000	22528.7000000	14908.8000000	8622.51000000	16117.6000000	9268.28000000	
Int RSD	2.10589556	0.57507535	1.47838860	0.80944180	1.00173103	0.58333369	
Int SD	175.61400000	129.55700000	220.41000000	69.79420000	161.45500000	54.06500000	
RelInt Mean	0.00110519	0.00041820	0.00092102	0.00035693	0.00154307	-0.00012485	
RelInt RSD	14.99280667	10.20152940	7.38790121	10.27548510	5.18001128	18.68800461	
RelInt SD	0.00016570	0.00004266	0.00006804	0.00003668	0.00007993	0.00002333	

Sample Name: ICAL,L3,S19162

Sample Type: Calibration Sample

Measure Date: 2023-11-13 08:47:41

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	89812.4000000	17270.6000000	11048.3000000	30234.7000000	80137.1000000	44793.7000000	32450.5000000
Int RSD	0.51524066	0.71718412	1.04918404	0.22067492	0.16285341	0.71677267	0.85175575
Int SD	462.75000000	123.86200000	115.91700000	66.72040000	130.50600000	321.06900000	276.39900000
RelInt Mean	0.00005230	0.00187673	0.00198793	0.00898156	0.03398780	0.03148370	0.00977255
RelInt RSD	8.23833791	3.43069594	2.67434467	0.33095587	0.26430955	0.52880379	1.59275726
RelInt SD	0.00000431	0.00006438	0.00005316	0.00002973	0.00008983	0.00016649	0.00015565

	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	46764.7000000	193650	141018	8249.12000000	19895.9000000	341325	32691.0000000
Int RSD	0.46420270	1.16682675	0.52530032	2.08959259	0.81242869	0.30422911	0.62116485
Int SD	217.08300000	2259.56000000	740.76800000	172.37300000	161.64000000	1038.41000000	203.06500000
RelInt Mean	0.01748460	0.00308674	0.06345260	0.00192527	0.00321232	0.16696000	0.01233580
RelInt RSD	0.41211523	1.35811244	0.55980527	7.54964239	3.52134906	0.31885781	0.92823327
RelInt SD	0.00007206	0.00004192	0.00035521	0.00014535	0.00011312	0.00053237	0.00011451

	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	45197.2000000	40092.2000000	21115.0000000	21305.1000000	17536.8000000	16395.6000000	615493
Int RSD	0.29806492	0.23819147	0.20036325	0.33972148	0.91411204	0.17365635	0.61606387
Int SD	134.71700000	95.49620000	42.30670000	72.37800000	160.30600000	28.47200000	3791.83000000
RelInt Mean	0.01895110	0.01319380	0.00322588	0.00599523	0.00508113	0.00490771	0.51093300
RelInt RSD	0.69736321	0.73753505	1.55411857	0.52015019	1.48565181	0.13000055	0.97000585
RelInt SD	0.00013216	0.00009731	0.00005013	0.00003118	0.00007549	0.00000638	0.00495608

	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	499059	15658.7000000	36170.6000000	1960080	38383600	1191010	210804
Int RSD	1.54019064	0.52247121	0.64191913	0.09566599	0.72321512	0.57072737	0.62835145
Int SD	7686.46000000	81.81220000	232.18600000	1875.13000000	277596	6797.42000000	1324.59000000
RelInt Mean	0.01057510	0.00445631	0.00036645	---	---	---	0.10381700
RelInt RSD	1.27363335	1.08423112	2.39607854	---	---	---	0.69724323
RelInt SD	0.00013469	0.00004832	0.00000878	---	---	---	0.00072386

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22391.2000000	28333.8000000	15493.8000000	8449.87000000	41304.9000000	9262.07000000	
Int RSD	1.00551556	0.36192816	0.27120655	1.73579002	0.58404451	0.12034351	
Int SD	225.14700000	102.54800000	42.02020000	146.67200000	241.23900000	11.14630000	
RelInt Mean	0.01306170	0.00522703	0.00104950	0.00022696	0.01432920	-0.00018981	
RelInt RSD	1.32790525	3.02437522	10.82582182	37.87138703	0.49371005	14.18508469	
RelInt SD	0.00017345	0.00015809	0.00011362	0.00008595	0.00007074	0.00002692	

Sample Name: ICAL,L4,S19161

Sample Type: Calibration Sample

Measure Date: 2023-11-13 08:50:57

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	90952.7000000	33101.4000000	46753.2000000	171207	640322	285962	191652
Int RSD	0.69619484	0.51575160	0.20612621	0.28744269	0.38580589	0.19457725	0.15762058
Int SD	633.20800000	170.72100000	96.37060000	492.12200000	2470.40000000	556.41700000	302.08300000
RelInt Mean	0.00004823	0.01541670	0.02087270	0.08379890	0.33137700	0.24497100	0.09418590
RelInt RSD	7.32859172	1.00251026	0.59392891	0.47872943	0.56779439	0.66787089	0.50364120
RelInt SD	0.0000353	0.00015455	0.00012397	0.00040117	0.00188154	0.00163609	0.00047436
	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	335661	1141480	1184100	22123.6000000	47094.2000000	3064030	241146
Int RSD	0.25923536	1.67839997	0.47946457	0.24576109	0.67594736	0.43506428	0.97228235
Int SD	870.15200000	19158.6000000	5677.34000000	54.37120000	318.33200000	13330.5000000	2344.62000000
RelInt Mean	0.17071200	0.02859820	0.61735100	0.01422790	0.02723010	1.61311000	0.12290300
RelInt RSD	0.44678874	1.61274835	0.08864698	0.43334083	0.83177440	0.14280055	0.87354255
RelInt SD	0.00076272	0.00046122	0.00054726	0.00006166	0.00022649	0.00230353	0.00107361
	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	215370	257310	77110.9000000	122193	107220	99250.3000000	5693310
Int RSD	0.15426429	0.23997513	0.24360888	0.23516159	0.42570602	0.64904791	0.59912775
Int SD	332.23900000	617.48000000	187.84900000	287.35100000	456.44200000	644.18200000	34110.2000000
RelInt Mean	0.16937800	0.12841900	0.03283390	0.05947500	0.05266170	0.04883350	5.00198000
RelInt RSD	0.43131221	0.33974568	0.03338744	0.30951828	0.76504556	0.59607646	0.05740627
RelInt SD	0.00073055	0.00043630	0.00001096	0.00018409	0.00040289	0.00029109	0.00287145
	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	4045350	91754.8000000	135270	1905900	37279700	1149590	1942500
Int RSD	1.66874065	0.40226233	2.16993421	0.39308778	0.28755596	0.53167303	0.38657452
Int SD	67506.4000000	369.09500000	2935.27000000	7491.86000000	107200	6112.06000000	7509.21000000
RelInt Mean	0.10614000	0.04483970	0.00302393	---	---	---	1.02329000
RelInt RSD	1.58550028	0.24735446	2.68208920	---	---	---	0.08903615
RelInt SD	0.00168285	0.00011091	0.00008110	---	---	---	0.00091110
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	150849	78562.8000000	18651.4000000	9362.89000000	276101	9678.44000000	
Int RSD	0.04754072	0.63768603	1.27492306	0.45923427	0.35945071	1.01917768	
Int SD	71.71470000	500.98400000	237.79100000	42.99760000	992.44700000	98.64050000	
RelInt Mean	0.12657800	0.04948060	0.00270093	0.00063405	0.13880100	-0.00003285	
RelInt RSD	0.57656465	0.65667150	3.27300596	1.95752083	0.46646926	64.02566920	
RelInt SD	0.00072980	0.00032493	0.00008840	0.00001241	0.00064746	0.00002103	

Sample Name: ICAL,L5,S19156

Sample Type: Calibration Sample

Measure Date: 2023-11-13 08:54:14

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	92760.8000000	102831	199317	816307	2989660	1328220	890612
Int RSD	0.26843775	0.68895178	0.37439054	0.32953411	0.52167136	1.12481366	0.41284420
Int SD	249.00500000	708.45600000	746.22400000	2690.01000000	15596.2000000	14940.0000000	3676.84000000
RelInt Mean	0.00000056	0.07464470	0.10333300	0.43348000	1.60592000	1.17373000	0.47283800
RelInt RSD	2000.14243239	0.28741223	0.37194314	0.22849243	0.13364364	1.00729299	0.25603484
RelInt SD	0.00001123	0.00021454	0.00038434	0.00099047	0.00214621	0.01182290	0.00121063
	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	1514300	5406300	5580400	81454.1000000	156367	14422700	1181830
Int RSD	0.45252262	1.63636868	0.61817253	0.68513555	1.36265325	0.77441810	0.48269887
Int SD	6852.55000000	88467.0000000	34496.5000000	558.07100000	2130.74000000	111692	5704.68000000
RelInt Mean	0.80954900	0.14953800	3.00286000	0.06712220	0.12441600	7.77738000	0.63276000
RelInt RSD	0.04191605	1.77596999	0.20599229	0.47250686	0.70269178	0.58278623	0.17298818
RelInt SD	0.00033933	0.00265575	0.00618566	0.00031716	0.00087426	0.04532550	0.00109460
	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	966581	1163430	307222	588206	497555	465024	26586900
Int RSD	1.57052539	0.57313117	0.40142959	0.41634223	0.26756640	0.29464931	0.98862598
Int SD	15180.4000000	6667.98000000	1233.28000000	2448.95000000	1331.29000000	1370.19000000	262845
RelInt Mean	0.83802400	0.61969200	0.15718800	0.31158400	0.26416200	0.24699900	23.63020000
RelInt RSD	0.85143862	0.17540649	0.60191427	0.41094857	0.37566077	0.16512213	0.30619927
RelInt SD	0.00713526	0.00108698	0.00094614	0.00128045	0.00099235	0.00040785	0.07235550
	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	18908200	420025	575624	1869720	35646000	1138640	9424770
Int RSD	1.57868015	0.28034760	2.01216419	0.41706245	0.23593110	1.18576547	0.46514663
Int SD	298500	1177.53000000	11582.5000000	7797.90000000	84100.0000000	13501.6000000	43839.0000000
RelInt Mean	0.52863300	0.22240500	0.01551620	---	---	---	5.08242000
RelInt RSD	1.74495917	0.24839549	2.30464933	---	---	---	0.33057284
RelInt SD	0.00922443	0.00055244	0.00035759	---	---	---	0.01680110
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	729371	290275	32432.7000000	12780.0000000	1287570	11279.9000000	
Int RSD	1.68972992	1.57991215	0.14866878	0.72527778	0.53855635	0.60404791	
Int SD	12324.4000000	4586.09000000	48.21730000	92.69050000	6934.29000000	68.13600000	
RelInt Mean	0.64148600	0.23743100	0.00987168	0.00212941	0.68663500	0.00055273	
RelInt RSD	0.95309329	0.83123518	0.11350246	2.87630846	0.25177278	4.40030829	
RelInt SD	0.00611396	0.00197361	0.00001120	0.00006125	0.00172876	0.00002432	

Sample Name: ICAL,L6,S19112

Sample Type: Calibration Sample

Measure Date: 2023-11-13 08:57:30

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	94814.2000000	176757	383469	1547160	5794690	2530970	1649100
Int RSD	1.08280194	0.41627545	0.30510159	0.51205758	0.47880560	0.64013402	0.50176399
Int SD	1026.65000000	735.79600000	1169.97000000	7922.35000000	27745.30000000	16201.60000000	8274.59000000
RelInt Mean	-0.00003585	0.13952500	0.20615400	0.84306400	3.17759000	2.27770000	0.89784200
RelInt RSD	26.25026845	0.05648443	0.57091786	0.16809874	0.14694753	0.29572771	0.23118321
RelInt SD	0.00000941	0.00007881	0.00117697	0.00141718	0.00466939	0.00673579	0.00207566
	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	2954820	10589000	10581200	151280	291069	27240000	2197630
Int RSD	0.36085108	1.64104259	0.68263618	0.41548652	0.44029423	0.62745595	0.55963470
Int SD	10662.50000000	173770	72231.10000000	628.54800000	1281.56000000	170919	12298.70000000
RelInt Mean	1.61556000	0.29958200	5.80791000	0.13117800	0.24761500	14.96880000	1.20247000
RelInt RSD	0.08281153	1.88752996	0.31770120	0.23001647	0.26382812	0.23745324	0.28806124
RelInt SD	0.00133787	0.00565470	0.01845180	0.00030173	0.00065328	0.03554390	0.00346385
	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	1802680	2247130	580544	1099400	942960	892599	49838100
Int RSD	0.74207846	0.53987086	0.44742173	0.46817264	0.13281687	0.42780913	0.81705563
Int SD	13377.30000000	12131.60000000	2597.48000000	5147.09000000	1252.41000000	3818.62000000	407205
RelInt Mean	1.60533000	1.22607000	0.30970600	0.59765100	0.51367800	0.48637700	44.99960000
RelInt RSD	0.34981779	0.17059630	0.77490588	0.19301733	0.26954629	0.63851292	0.40363248
RelInt SD	0.00561573	0.00209163	0.00239993	0.00115357	0.00138460	0.00310558	0.18163300
	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	37019000	789957	1095220	1836730	35096000	1121160	16780800
Int RSD	1.91986547	0.35313568	1.70376728	0.38914865	0.27219854	0.48248243	0.25067100
Int SD	710715	2789.62000000	18660.00000000	7147.61000000	95530.80000000	5409.40000000	42064.60000000
RelInt Mean	1.05391000	0.42930900	0.03055630	---	---	---	9.22057000
RelInt RSD	2.18560408	0.06349156	1.98927553	---	---	---	0.14267448
RelInt SD	0.02303430	0.00027258	0.00060785	---	---	---	0.01315540
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	1354970	543662	49064.80000000	16970.00000000	2551210	13278.60000000	
Int RSD	0.76983254	0.42489819	0.69377843	0.50127225	0.40924894	0.69071890	
Int SD	10431.00000000	2310.01000000	340.40100000	85.06590000	10440.80000000	91.71780000	
RelInt Mean	1.21512000	0.46924900	0.01886280	0.00405511	1.39259000	0.00133534	
RelInt RSD	0.42702449	0.05607258	0.96359501	1.45519604	0.03067945	1.40749172	
RelInt SD	0.00518886	0.00026312	0.00018176	0.00005901	0.00042724	0.00001879	

Sample Name: ICAL,L7,S19241

Sample Type: Calibration Sample

Measure Date: 2023-11-13 09:00:46

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1921800	15172.8000000	7100.33000000	19631.8000000	14583.3000000	14353.5000000	13519.5000000
Int RSD	1.00809658	0.72922598	0.79076184	5.58573335	0.85174138	1.27212875	0.50269167
Int SD	19373.6000000	110.64400000	56.14670000	1096.58000000	124.21200000	182.59500000	67.96140000
RelInt Mean	0.04814400	0.00019504	0.00001289	0.00357197	0.00027509	0.00561235	0.00009779
RelInt RSD	1.60939889	41.67415246	225.22686729	16.58197017	35.19617145	2.53138169	44.03007663
RelInt SD	0.00077483	0.00008128	0.00002904	0.00059230	0.00009682	0.00014207	0.00004306
	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	12916.9000000	87939.3000000	38146.6000000	6659.13000000	16671.0000000	18891.3000000	11951.1000000
Int RSD	3.83375268	0.65426948	25.92291318	0.93795886	0.76423130	0.83045635	5.96622905
Int SD	495.20200000	575.36000000	9888.71000000	62.45990000	127.40500000	156.88400000	713.03000000
RelInt Mean	0.00019064	0.00034146	0.01054910	0.00056828	0.00051972	0.00107765	0.00170121
RelInt RSD	149.38837600	2.86360748	48.32326928	12.60819987	23.99719077	6.10752099	22.46354066
RelInt SD	0.00028479	0.00000978	0.00509767	0.00007165	0.00012472	0.00006582	0.00038215
	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	24403.0000000	14227.2000000	14431.5000000	10351.3000000	7970.23000000	8915.43000000	14990.1000000
Int RSD	1.09441052	0.07335245	0.26791463	1.69193241	2.02265179	8.17188851	0.55120313
Int SD	267.06900000	10.43600000	38.66410000	175.13700000	161.21000000	728.55900000	82.62590000
RelInt Mean	0.00130113	-0.00006627	-0.00011918	0.00040247	0.00022310	0.00108817	0.00062802
RelInt RSD	20.00668650	54.82327802	20.23677874	22.69315344	32.55109908	34.54984056	11.10926580
RelInt SD	0.00026031	0.00003633	0.00002412	0.00009133	0.00007262	0.00037596	0.00006977
	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	200361	6989.11000000	24703.1000000	1964620	38139300	1182410	10987.8000000
Int RSD	4.30182021	0.94478982	0.03013662	0.48441327	0.68430989	0.41287709	0.04462586
Int SD	8619.17000000	66.03240000	7.44468000	9516.88000000	260991	4881.90000000	4.90340000
RelInt Mean	0.00280805	0.00006707	0.00006908	---	---	---	0.00102172
RelInt RSD	7.45200406	63.80732584	4.28693862	---	---	---	0.95782308
RelInt SD	0.00020926	0.00004280	0.00000296	---	---	---	0.00000979
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6804.46000000	22497.0000000	15455.4000000	8512.82000000	13665.5000000	9185.45000000	
Int RSD	2.14406433	0.58352225	0.76909689	1.33970882	1.11138268	0.10370477	
Int SD	145.89200000	131.27500000	118.86700000	114.04700000	151.87600000	9.52575000	
RelInt Mean	-0.00021650	0.00015810	0.00108570	0.00028237	0.00019374	-0.00018813	
RelInt RSD	34.19770535	128.59934977	7.47731418	18.84834684	35.04727986	13.90733053	
RelInt SD	0.00007404	0.00020331	0.00008118	0.00005322	0.00006790	0.00002616	

Method Name: Met06_Master011923

Method Autor:

Operator

Sample Name: ICAL,L8,S18727

Sample Type: Calibration Sample

Measure Date: 2023-11-13 09:04:03

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	90562.4000000	15313.8000000	7067.18000000	16337.1000000	14331.2000000	14019.1000000	13657.1000000
Int RSD	0.25224155	1.62687249	0.58070404	0.69571711	0.57926203	1.77825253	1.65595185
Int SD	228.43600000	249.13600000	41.03940000	113.66000000	83.01520000	249.29500000	226.15500000
RelInt Mean	0.00005347	0.00028239	-0.00005066	0.00176347	0.00006071	0.00549392	0.00007691
RelInt RSD	7.34669028	56.44169172	58.36072370	5.55167936	57.54575719	2.06799517	141.96505188
RelInt SD	0.00000393	0.00015938	0.00002956	0.00009790	0.00003493	0.00011361	0.00010919
	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	12723.4000000	87965.7000000	22946.7000000	6659.25000000	16683.4000000	18084.9000000	9573.97000000
Int RSD	0.80968923	0.16238034	1.88245804	2.04626647	1.34332930	0.55523669	0.44407701
Int SD	103.02000000	142.83900000	431.96200000	136.26600000	224.11300000	100.41400000	42.51580000
RelInt Mean	0.00008100	0.00032074	0.00266771	0.00056045	0.00044852	0.00054450	0.00041955
RelInt RSD	39.96516234	2.74078912	10.40739061	12.43581966	28.78871657	4.04693515	2.90697480
RelInt SD	0.00003237	0.00000879	0.00027764	0.00006970	0.00012912	0.00002204	0.00001220
	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	24061.2000000	14339.2000000	14622.9000000	10015.8000000	7785.80000000	7475.11000000	14748.7000000
Int RSD	0.88246638	0.47505230	0.62107106	0.37751453	0.46799044	0.30493197	0.62064928
Int SD	212.33200000	68.11870000	90.81860000	37.81110000	36.43680000	22.79400000	91.53770000
RelInt Mean	0.00104046	-0.00005265	-0.00013498	0.00015670	0.00007123	0.00031012	0.00033600
RelInt RSD	5.84099341	83.37581675	35.98973189	12.41206351	19.05663132	7.96552347	11.31029762
RelInt SD	0.00006077	0.00004390	0.00004858	0.00001945	0.00001357	0.00002470	0.00003800
	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	146946	6941.84000000	24606.6000000	1970190	38629700	1160560	10562.4000000
Int RSD	2.50809141	0.42796578	0.50995261	0.64457743	0.79600670	1.00666058	0.76263444
Int SD	3685.54000000	29.70870000	125.48200000	12699.4000000	307495	11682.9000000	80.55250000
RelInt Mean	0.00137131	-0.00006472	0.00005906	---	---	---	0.00073770
RelInt RSD	6.62959506	23.23376535	7.69056512	---	---	---	5.79073935
RelInt SD	0.00009091	0.00001504	0.00000454	---	---	---	0.00004272
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6753.71000000	22499.2000000	1219230	791238	13717.9000000	266626	
Int RSD	1.45835400	1.17384618	0.85173429	0.38685073	0.61609430	0.62703937	
Int SD	98.49300000	264.10600000	10384.6000000	3060.91000000	84.51520000	1671.85000000	
RelInt Mean	-0.00025970	0.00016323	0.61691600	0.40074700	0.00016049	0.13155000	
RelInt RSD	62.84626225	126.53968915	0.23769362	0.42478422	40.78652385	0.90982896	
RelInt SD	0.00016321	0.00020655	0.00146637	0.00170231	0.00006546	0.00119688	

Sample Name: ICV,S19393				Sample Type: Control Sample			
Measure Date: 2023-11-13 09:07:32			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	529408	27886.9000000	45772.4000000	170531	614077	1325680	354493
Int RSD	1.54553766	1.14638414	0.20239096	0.32327260	0.29481482	0.78303965	0.38523751
Int SD	8182.20000000	319.69100000	92.63920000	551.28000000	1810.39000000	10380.6000000	1365.64000000
RelInt Mean	0.01208360	0.00765390	0.02084940	0.08577460	0.32697500	1.17704000	0.18563200
RelInt RSD	1.83234301	2.29498687	0.57554174	0.76184558	0.68424191	0.33500816	0.82371574
RelInt SD	0.00022141	0.00017566	0.00012000	0.00065347	0.00223730	0.00394318	0.00152908
Conc Mean	0.50029500[mg/l]	1.00554000[mg/l]	1.01272000[mg/l]	1.00255000[mg/l]	1.02272000[mg/l]	51.23100000[mg/l]	1.01975000[mg/l]
Conc RSD	1.84067200	2.47877757	0.57345564	0.76992968	0.68507118	0.33704398	0.82743908
Conc SD	0.00920879[mg/l]	0.02492510[mg/l]	0.00580750[mg/l]	0.00771893[mg/l]	0.00700636[mg/l]	0.17267100[mg/l]	0.00843781[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	313623	1122070	575530	51555.1000000	157262	2891950	225909
Int RSD	0.40208148	1.69171264	0.30326829	1.32426666	0.43919065	0.46700323	0.24680292
Int SD	1261.02000000	18982.2000000	1745.40000000	682.72700000	690.68000000	13505.5000000	557.55000000
RelInt Mean	0.16368100	0.02873200	0.30390700	0.04051930	0.12544600	1.56825000	0.11829200
RelInt RSD	0.83358484	1.86664346	0.68875018	1.11755879	0.93563764	0.22299697	0.46840615
RelInt SD	0.00136442	0.00053632	0.00209316	0.00045283	0.00117372	0.00349715	0.00055409
Conc Mean	1.01187000[mg/l]	0.95057100[mg/l]	1.03547000[mg/l]	61.03770000[mg/l]	50.51010000[mg/l]	1.03830000[mg/l]	0.97265300[mg/l]
Conc RSD	0.83367231	1.88704473	0.69145316	1.12979192	0.93872909	0.22334296	0.46826258
Conc SD	0.00843568[mg/l]	0.01793770[mg/l]	0.00715979[mg/l]	0.68959900[mg/l]	0.47415300[mg/l]	0.00231897[mg/l]	0.00455457[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	494530	242065	73894.6000000	48354.9000000	39798.3000000	456531	1116910
Int RSD	0.12195640	0.32801438	0.61146281	0.69251100	0.36465628	0.29128361	0.00914523
Int SD	603.11100000	794.00800000	451.83800000	334.86300000	145.12700000	1329.80000000	102.14400000
RelInt Mean	0.42066800	0.12379300	0.03192070	0.02090560	0.01738660	0.24515800	0.98527400
RelInt RSD	0.42639088	0.77477483	1.17846413	0.91199009	0.22036338	0.69390352	0.47484761
RelInt SD	0.00179369	0.00095912	0.00037617	0.00019066	0.00003831	0.00170116	0.00467855
Conc Mean	51.81170000[mg/l]	1.00756000[mg/l]	1.03097000[mg/l]	1.03239000[mg/l]	1.00949000[mg/l]	5.02428000[mg/l]	1.08103000[mg/l]
Conc RSD	0.67769683	0.77429036	1.17390419	0.91839712	0.22017454	0.69409746	0.47562047
Conc SD	0.22159700[mg/l]	0.00780144[mg/l]	0.01210260[mg/l]	0.00948144[mg/l]	0.00222264[mg/l]	0.03487340[mg/l]	0.00514160[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	3935530	35058.0000000	240390	1850520	36417200	1133440	638539
Int RSD	1.55516030	0.30299218	1.83738508	0.39893489	0.18516910	0.45336057	0.27053477
Int SD	61203.8000000	106.22300000	4416.89000000	7382.37000000	67433.4000000	5138.57000000	1727.47000000
RelInt Mean	0.10562100	0.01523250	0.00597896	---	---	---	0.34313000
RelInt RSD	1.67605874	0.85444937	2.07970951	---	---	---	0.67607612
RelInt SD	0.00177027	0.00013015	0.00012434	---	---	---	0.00231982
Conc Mean	1.00053000[mg/l]	1.05497000[mg/l]	0.96797400[mg/l]	1832670	36297300	1118640	1.08605000[mg/l]
Conc RSD	1.67762086	0.85447548	2.10057295	---	---	---	0.67931403
Conc SD	0.01678510[mg/l]	0.00901446[mg/l]	0.02033300[mg/l]	7393.03000000	68252.5000000	4924.96000000	0.00737769[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	468481	76742.4000000	695589	408053	526386	143711	
Int RSD	0.36043511	0.77684305	0.26115565	0.40508708	0.39027064	0.55447321	
Int SD	1688.57000000	596.16800000	1816.57000000	1652.97000000	2054.33000000	796.83900000	
RelInt Mean	0.41177600	0.04834650	0.37137700	0.21788300	0.27921900	0.07289190	
RelInt RSD	0.73197807	0.91337739	0.66800852	0.82500241	0.80895999	0.95076408	
RelInt SD	0.00301411	0.00044159	0.00248083	0.00179754	0.00225877	0.00069303	
Conc Mean	1.00507000[mg/l]	1.02909000[mg/l]	5.99196000[mg/l]	5.43555000[mg/l]	1.00117000[mg/l]	5.54628000[mg/l]	
Conc RSD	0.73172316	0.91160054	0.67064867	0.82555399	0.81026199	0.94878910	
Conc SD	0.00735433[mg/l]	0.00938119[mg/l]	0.04018500[mg/l]	0.04487340[mg/l]	0.00811210[mg/l]	0.05262250[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997012	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 09:14
Caldate: 13-NOV-2023	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	37903200	-7.20
Yttrium	A	2065650	1935370	-6.31
Yttrium	R	1250430	1163870	-6.92

Sample Name: ICB,1				Sample Type: Control Sample			
Measure Date: 2023-11-13 09:14:02			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	90337.5000000	15003.1000000	6963.23000000	14405.3000000	14222.9000000	13784.2000000	13578.3000000
Int RSD	0.12533112	2.44272184	0.77694691	0.74725275	1.51857919	2.00142192	1.30195238
Int SD	113.22100000	366.48400000	54.10060000	107.64400000	215.98600000	275.88000000	176.78300000
RelInt Mean	0.00005385	0.00010535	-0.00007546	0.00085594	0.00007857	0.00534660	0.00008736
RelInt RSD	8.98993069	74.83607335	34.18566931	5.72944195	139.16510862	2.47761194	39.05090815
RelInt SD	0.00000484	0.00007884	0.00002580	0.00004904	0.00010934	0.00013247	0.00003411
Conc Mean	<0.00000642[mg/l]	<0.06550840[mg/l]	<0.00036695[mg/l]	<0.00034211[mg/l]	<0.00009583[mg/l]	<0.04010370[mg/l]	<0.00036929[mg/l]
Conc RSD	3135.15836815	17.07658865	340.69392894	169.29015097	358.13178396	14.45432716	50.85623301
Conc SD	0.00020132[mg/l]	0.01118660[mg/l]	0.00125019[mg/l]	0.00057917[mg/l]	0.00034321[mg/l]	0.00579672[mg/l]	0.00018781[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	12550.5000000	87660.8000000	19014.0000000	6559.41000000	16545.7000000	17504.1000000	8865.80000000
Int RSD	0.37636509	0.30556874	1.77846850	3.49013097	1.48424666	0.86946487	0.42971080
Int SD	47.23570000	267.86400000	338.15800000	228.93200000	245.57900000	152.19200000	38.09730000
RelInt Mean	-0.00005406	0.00032266	0.00071729	0.00049010	0.00041126	0.00028718	0.00007389
RelInt RSD	30.20512887	2.27630718	23.6963024	21.61872096	9.42710347	17.86909906	18.79609091
RelInt SD	0.00001633	0.00000734	0.00016998	0.00010595	0.00003877	0.00005132	0.00001389
Conc Mean	<0.00073913[mg/l]	<0.00037426[mg/l]	<0.00108423[mg/l]	<0.07799430[mg/l]	<0.00309557[mg/l]	<0.00023586[mg/l]	<0.00018375[mg/l]
Conc RSD	13.66245089	65.63501988	53.59665385	206.88050281	505.91651941	14.41112374	62.17367880
Conc SD	0.00010098[mg/l]	0.00024564[mg/l]	0.00058111[mg/l]	0.16135500[mg/l]	0.01566100[mg/l]	0.00003399[mg/l]	0.00011425[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	23907.2000000	14137.7000000	14362.8000000	9729.36000000	7582.33000000	7097.47000000	14442.4000000
Int RSD	1.69824572	0.41841601	1.01167600	0.28379359	0.89877650	1.03619600	1.75225032
Int SD	406.00300000	59.15440000	145.30500000	27.61130000	68.14820000	73.54370000	253.06700000
RelInt Mean	0.00088484	-0.00015290	-0.00018182	0.00004945	-0.00000991	0.00014667	0.00016530
RelInt RSD	11.60506217	14.33808381	46.13282732	67.46012488	276.70574036	25.20624250	51.77735297
RelInt SD	0.00010269	0.00002192	0.00008388	0.00003336	0.00002742	0.00003697	0.00008559
Conc Mean	<0.04640640[mg/l]	<0.00069919[mg/l]	<0.00096821[mg/l]	<0.00038656[mg/l]	<0.00045233[mg/l]	0.00233096[mg/l]	<0.00131371[mg/l]
Conc RSD	27.33523824	25.50540698	278.62430245	429.56407464	351.92136784	32.50922367	7.15810186
Conc SD	0.01268530[mg/l]	0.00017833[mg/l]	0.00269766[mg/l]	0.00166051[mg/l]	0.00159186[mg/l]	0.00075778[mg/l]	0.00009404[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	98353.7000000	6842.12000000	24446.4000000	1935370	37903200	1163870	9994.03000000
Int RSD	0.39885129	0.18860967	0.23717521	0.54760072	0.65221406	0.73187813	0.59406366
Int SD	392.28500000	12.90490000	57.98080000	10598.1000000	247210	8518.11000000	59.37090000
RelInt Mean	0.00011085	-0.00005500	0.00005981	---	---	---	0.00049108
RelInt RSD	10.40993072	31.82295028	4.56180508	---	---	---	6.34895617
RelInt SD	0.00001154	0.00001750	0.00000273	---	---	---	0.00003118
Conc Mean	<0.00005279[mg/l]	<0.00018465[mg/l]	<0.00044317[mg/l]	1918220	37784700	1149360	<0.00354178[mg/l]
Conc RSD	207.27355381	657.08467821	100.66362795	---	---	---	2.79995934
Conc SD	0.00010943[mg/l]	0.00121332[mg/l]	0.00044611[mg/l]	10523.2000000	246963	8551.62000000	0.00009917[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6689.61000000	22390.4000000	15070.9000000	8354.17000000	13585.0000000	9139.85000000	
Int RSD	2.03218125	2.17840235	1.12069618	0.29724557	0.46296209	0.58866721	
Int SD	135.94500000	487.75300000	168.89900000	24.83240000	62.89340000	53.80330000	
RelInt Mean	-0.00026162	0.00011607	0.00088565	0.00019802	0.00012033	-0.00022334	
RelInt RSD	68.85779157	147.87748245	7.06190002	4.77071235	43.90214916	12.91072476	
RelInt SD	0.00018014	0.00017163	0.00006254	0.00000945	0.00005283	0.00002884	
Conc Mean	<0.00009428[mg/l]	<0.00446420[mg/l]	<0.00082296[mg/l]	<0.00194083[mg/l]	<0.00013473[mg/l]	<0.00513234[mg/l]	
Conc RSD	466.05244372	81.67756821	123.17093620	12.15016256	143.96000802	42.65851444	
Conc SD	0.00043938[mg/l]	0.00364625[mg/l]	0.00101365[mg/l]	0.00023581[mg/l]	0.00019395[mg/l]	0.00218938[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 495753 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997013	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 09:17
Caldate: 13-NOV-2023	

Standards: S19107, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.01662	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	148.8	mg/l	93	
Calcium	R	400.0	400.3	mg/l	100	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	33855600	-17.11
Yttrium	A	2065650	1710060	-17.21
Yttrium	R	1250430	1091860	-12.68

+ = high bias a = ICSA

Sample Name: ICSA,S19107 Sample Type: Control Sample

Measure Date: 2023-11-13 09:17:16 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	87234.9000000	3034340	15539.9000000	18072.9000000	18249.5000000	9881940	15340.3000000
Int RSD	0.27021525	0.21439160	0.33202788	0.52252987	0.56710595	0.28868319	1.04080755
Int SD	235.72200000	6505.37000000	51.59680000	94.43630000	103.49400000	28527.5000000	159.66300000
RelInt Mean	0.00003263	2.77869000	0.00003447	0.00120791	0.00159886	9.15462000	0.00022301
RelInt RSD	24.84372271	0.53192692	37.35469628	3.69402522	5.76168020	0.56233465	44.41450006
RelInt SD	0.00000811	0.01478060	0.00001288	0.00004462	0.00009212	0.05147960	0.00009905
Conc Mean	<0.00088875[mg/l]	>394.18100000[mg/l]	0.00496199[mg/l]	0.00381466[mg/l]	0.00487613[mg/l]	>400.31500000[mg/l]	<0.00037355[mg/l]
Conc RSD	37.93521702	0.53196374	12.57531756	13.81525483	5.92921025	0.56267439	146.05899659
Conc SD	0.00033715[mg/l]	2.09690000[mg/l]	0.00062399[mg/l]	0.00052700[mg/l]	0.00028912[mg/l]	2.25247000[mg/l]	0.00054560[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	14713.8000000	88981.1000000	73613800	6446.88000000	1137030	34022.2000000	22387.1000000
Int RSD	1.16033248	0.50594452	0.96709992	2.82409476	0.47098757	0.54422994	0.42546824
Int SD	170.72900000	450.19500000	711919	182.06600000	5355.27000000	185.15900000	95.25000000
RelInt Mean	-0.00037000	0.00038143	43.52710000	0.00094300	1.03612000	0.00663126	-0.00018564
RelInt RSD	28.39243243	1.39326632	1.38499464	16.23351007	0.22406478	2.29773829	14.32593893
RelInt SD	0.00010505	0.00000531	0.60284800	0.00015308	0.00232158	0.00015237	0.00002659
Conc Mean	<0.00269305[mg/l]	0.00233982[mg/l]	>148.80800000[mg/l]	0.76770700[mg/l]	>418.37500000[mg/l]	0.00396614[mg/l]	<0.00195112[mg/l]
Conc RSD	24.12450567	7.59669547	1.38518762	30.36705410	0.22395554	2.54446389	11.21232933
Conc SD	0.00064969[mg/l]	0.00017775[mg/l]	2.06127000[mg/l]	0.23313000[mg/l]	0.93697400[mg/l]	0.00010092[mg/l]	0.00021877[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	28989.6000000	16589.9000000	33711.5000000	25652.4000000	18740.3000000	15245.9000000	16381.4000000
Int RSD	0.45883696	0.29787401	0.69942601	0.03219399	1.05768851	0.95739838	1.25745663
Int SD	133.01500000	49.41700000	235.78700000	8.25853000	198.21400000	145.96400000	205.98900000
RelInt Mean	0.00719320	0.00031901	0.00359481	0.00017184	0.00011823	0.00004604	0.00262764
RelInt RSD	1.70816883	13.29572776	3.48819548	68.17578734	78.02048532	189.80555109	7.85385365
RelInt SD	0.00012287	0.00004242	0.00012539	0.00011716	0.00009224	0.00008738	0.00020637
Conc Mean	0.73290000[mg/l]	0.00313962[mg/l]	0.01661660[mg/l]	0.00648900[mg/l]	0.00698680[mg/l]	<0.00026829[mg/l]	0.00139167[mg/l]
Conc RSD	2.07099195	10.98948280	21.75517254	89.82632147	76.64710597	667.59229923	16.29294301
Conc SD	0.01517830[mg/l]	0.00034503[mg/l]	0.00361497[mg/l]	0.00582883[mg/l]	0.00535518[mg/l]	0.00179105[mg/l]	0.00022674[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	107769	15550.5000000	27285.2000000	1710060	33855600	1091860	25970.4000000
Int RSD	0.35872190	0.24434005	1.28609283	0.41312878	0.43656293	0.68961405	0.94882251
Int SD	386.59100000	37.99610000	350.91300000	7064.75000000	147801	7529.62000000	246.41300000
RelInt Mean	0.00036866	-0.00002991	0.00005488	---	---	---	0.00122808
RelInt RSD	2.39668637	100.94815568	19.87550816	---	---	---	6.95584978
RelInt SD	0.00000884	0.00003019	0.00001091	---	---	---	0.00008542
Conc Mean	0.00239211[mg/l]	<0.00192373[mg/l]	<0.00036214[mg/l]	1690690	33725300	1077690	<0.00119602[mg/l]
Conc RSD	3.50272354	108.85571260	492.54295979	---	---	---	22.73966991
Conc SD	0.00008379[mg/l]	0.00209409[mg/l]	0.00178370[mg/l]	7067.94000000	148028	7617.64000000	0.00027197[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6336.72000000	20942.1000000	20262.4000000	14434.6000000	15348.3000000	18824.7000000	
Int RSD	1.94790049	0.97786277	11.36977851	0.22247724	0.48039197	0.77990619	
Int SD	123.43300000	204.78500000	2303.79000000	32.11370000	73.73200000	146.81500000	
RelInt Mean	-0.00028106	0.00026186	0.00195144	0.00034757	-0.00055918	0.00122014	
RelInt RSD	34.42461440	31.45681455	73.85981634	5.52930650	8.69847151	8.08767027	
RelInt SD	0.00009675	0.00008237	0.00144133	0.00001922	0.00004864	0.00009868	
Conc Mean	<0.00004686[mg/l]	<0.00756151[mg/l]	0.01652730[mg/l]	0.00567364[mg/l]	<0.00260091[mg/l]	0.10446700[mg/l]	
Conc RSD	503.54964055	23.14286432	141.59663103	8.45494251	6.80861698	7.17215963	
Conc SD	0.00023598[mg/l]	0.00174995[mg/l]	0.02340210[mg/l]	0.00047970[mg/l]	0.00017709[mg/l]	0.00749254[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997014	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 09:21
Caldate: 13-NOV-2023	

Standards: S19267, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.071	mg/l	7	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	33871600	-17.07
Yttrium	A	2065650	1701430	-17.63
Yttrium	R	1250430	1096900	-12.28

Sample Name: ICSAB,S19267

Sample Type: Control Sample

Measure Date: 2023-11-13 09:21:35

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	978070	3057140	15575.1000000	18450.0000000	303673	9974060	168566
Int RSD	1.74040713	0.46450277	0.04476125	0.91894309	0.45308276	0.33082115	0.21766074
Int SD	17022.4000000	14200.5000000	6.97161000	169.54500000	1375.89000000	32996.3000000	366.90200000
RelInt Mean	0.02638500	2.78665000	-0.00003065	0.00133298	0.17112800	9.19710000	0.09111650
RelInt RSD	2.18741330	1.46228267	127.28776455	7.81467089	0.61778318	1.31497972	0.67918873
RelInt SD	0.00057715	0.04074870	0.00003902	0.00010417	0.00105720	0.12094000	0.00061885
Conc Mean	1.09507000[mg/l]	>395.31100000[mg/l]	<0.00134816[mg/l]	0.00529169[mg/l]	0.53706500[mg/l]	>402.17300000[mg/l]	0.50094500[mg/l]
Conc RSD	2.19222515	1.46258768	140.45143010	23.24758253	0.61737220	1.31589888	0.68035413
Conc SD	0.02400640[mg/l]	5.78177000[mg/l]	0.00189351[mg/l]	0.00123019[mg/l]	0.00331569[mg/l]	5.29219000[mg/l]	0.00340820[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	156097	626281	74105600	6648.04000000	1143910	1403700	22570.8000000
Int RSD	0.37073999	1.88437778	0.81647406	1.23583492	1.34483482	0.07280473	0.61129424
Int SD	578.71400000	11801.5000000	605053	82.15880000	15383.7000000	1021.96000000	137.97400000
RelInt Mean	0.08349510	0.01626750	44.04580000	0.00119450	1.03753000	0.82099300	-0.00030051
RelInt RSD	0.64179814	2.35070539	1.30413570	1.91092507	0.30095708	0.40391087	29.51075689
RelInt SD	0.00053587	0.00038240	0.57441700	0.00002283	0.00312252	0.00331608	0.00008868
Conc Mean	0.51596700[mg/l]	0.53367400[mg/l]	>150.58100000[mg/l]	1.15071000[mg/l]	>418.94400000[mg/l]	0.54335800[mg/l]	<-0.00289604[mg/l]
Conc RSD	0.64230077	2.39650049	1.30416852	3.02134334	0.30098056	0.40417368	25.18946562
Conc SD	0.00331406[mg/l]	0.01278950[mg/l]	1.96383000[mg/l]	0.03476690[mg/l]	1.26094000[mg/l]	0.00219611[mg/l]	0.00072950[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	22860.7000000	227856	89346.8000000	25702.2000000	19060.3000000	15321.6000000	16349.3000000
Int RSD	0.70818041	0.27393661	0.87319971	0.81854083	1.04913354	0.99489609	0.16798946
Int SD	161.89500000	624.18100000	780.17600000	210.38300000	199.96800000	152.43400000	27.46510000
RelInt Mean	0.00152674	0.12567600	0.03641050	0.00005665	0.00014090	-0.00000935	0.00263164
RelInt RSD	7.96147347	0.65859512	1.48284149	196.40432935	46.12368880	941.16885728	2.81753203
RelInt SD	0.00012155	0.00082770	0.00053991	0.00011126	0.00006499	0.00008799	0.00007415
Conc Mean	<0.03289040[mg/l]	1.02287000[mg/l]	1.07146000[mg/l]	<-0.00228664[mg/l]	0.00830294[mg/l]	<-0.00086696[mg/l]	0.00139607[mg/l]
Conc RSD	45.65435507	0.65813740	1.51685551	241.83999230	45.44089202	208.02502529	5.83523033
Conc SD	0.01501590[mg/l]	0.00673189[mg/l]	0.01625250[mg/l]	0.00553001[mg/l]	0.00377293[mg/l]	0.00180350[mg/l]	0.00008146[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	108331	15951.2000000	128498	1701430	33871600	1096900	591831
Int RSD	0.44290369	0.29465307	1.70012763	0.48079909	0.34756256	1.09473060	0.39306829
Int SD	479.80200000	47.00070000	2184.63000000	8180.46000000	117725	12008.1000000	2326.30000000
RelInt Mean	0.00036732	0.00009594	0.00303956	---	---	---	0.33737800
RelInt RSD	2.88734983	44.41356767	2.46770914	---	---	---	0.62999366
RelInt SD	0.00001061	0.00004261	0.00007501	---	---	---	0.00212546
Conc Mean	0.00237943[mg/l]	0.01065140[mg/l]	0.48769900[mg/l]	1681940	33740400	1082780	1.06800000[mg/l]
Conc RSD	4.22706278	27.71795257	2.51485035	---	---	---	0.63288951
Conc SD	0.00010058[mg/l]	0.00295235[mg/l]	0.01226490[mg/l]	8181.84000000	118316	11932.2000000	0.00675926[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	231960	20529.0000000	19309.4000000	14861.1000000	521839	19224.6000000	
Int RSD	1.66006208	0.41042525	0.45434607	0.27471587	0.31691192	0.26529343	
Int SD	3850.68000000	84.25620000	87.73150000	40.82580000	1653.77000000	51.00160000	
RelInt Mean	0.20781500	0.00000445	0.00133761	0.00051817	0.30001200	0.00139951	
RelInt RSD	0.59387917	2348.06455964	2.56530678	10.18870219	0.55919763	1.91572765	
RelInt SD	0.00123417	0.00010446	0.00003431	0.00005279	0.00167766	0.00002681	
Conc Mean	0.50760200[mg/l]	<0.00209299[mg/l]	0.00658362[mg/l]	0.00993205[mg/l]	1.07972000[mg/l]	0.11808600[mg/l]	
Conc RSD	0.59285818	106.02535129	8.70589433	13.26845918	0.55980625	1.72423488	
Conc SD	0.00300936[mg/l]	0.00221910[mg/l]	0.00057316[mg/l]	0.00131783[mg/l]	0.00604434[mg/l]	0.00203608[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997025	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 09:57
Caldate: 13-NOV-2023	

Standards: S19393, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0246	0.0318	1.000	1.028	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	35529500	-13.01
Yttrium	A	2065650	1856110	-10.14
Yttrium	R	1250430	1130320	-9.61

Sample Name: CCV,S19393				Sample Type: Control Sample			
Measure Date: 2023-11-13 09:57:24			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	519458	27609.0000000	45316.4000000	168119	609129	1313490	352165
Int RSD	2.33886089	0.90482814	0.19192654	0.32534931	0.32772204	0.37852743	0.41257365
Int SD	12149.4000000	249.81400000	86.97420000	546.97400000	1996.25000000	4971.92000000	1452.94000000
RelInt Mean	0.01212220	0.00767840	0.02059020	0.08420800	0.32331000	1.16928000	0.18385700
RelInt RSD	4.10081503	1.68123567	0.29654884	0.04826929	0.31955399	0.42368979	0.27204621
RelInt SD	0.00049711	0.00012909	0.00006106	0.00004065	0.00103315	0.00495412	0.00050018
Conc Mean	0.50190200[mg/l]	1.00901000[mg/l]	1.00017000[mg/l]	0.98404400[mg/l]	1.01125000[mg/l]	50.89120000[mg/l]	1.00997000[mg/l]
Conc RSD	4.11927030	1.81518518	0.29613766	0.04872770	0.32083659	0.42556670	0.27195065
Conc SD	0.02067470[mg/l]	0.01831540[mg/l]	0.00296188[mg/l]	0.00047950[mg/l]	0.00324446[mg/l]	0.21657600[mg/l]	0.00274662[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	310926	1093520	570614	50507.7000000	154385	2867710	225034
Int RSD	0.40917453	2.89980064	0.43824021	0.65998452	1.37808725	0.47936158	0.40369278
Int SD	1272.23000000	31709.9000000	2500.66000000	333.34300000	2127.56000000	13746.7000000	908.44600000
RelInt Mean	0.16178500	0.02865720	0.30034600	0.03982390	0.12344200	1.55016000	0.11747600
RelInt RSD	0.25819204	4.28897450	0.24905343	0.35425461	1.02794835	0.18144192	0.10530747
RelInt SD	0.00041772	0.00122910	0.00074802	0.00014108	0.00126892	0.00281264	0.00012371
Conc Mean	1.00015000[mg/l]	0.94807100[mg/l]	1.02329000[mg/l]	59.97880000[mg/l]	49.70090000[mg/l]	1.02632000[mg/l]	0.96594000[mg/l]
Conc RSD	0.25809629	4.33612040	0.24989886	0.35818656	1.03148032	0.18173182	0.10520736
Conc SD	0.00258135[mg/l]	0.04110950[mg/l]	0.00255719[mg/l]	0.21483600[mg/l]	0.51265500[mg/l]	0.00186515[mg/l]	0.00101624[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	488883	240586	73795.1000000	47836.2000000	39794.2000000	452023	1092500
Int RSD	0.92863732	0.53020957	0.53078321	0.50553138	0.93897854	0.42517306	1.14093364
Int SD	4539.95000000	1275.61000000	391.69200000	241.82700000	373.65900000	1921.88000000	12464.7000000
RelInt Mean	0.41693400	0.12265900	0.03184080	0.02060670	0.01736980	0.24196900	0.96608500
RelInt RSD	0.59327136	0.42300769	0.38902917	0.27854872	0.99317781	0.22517265	0.64093636
RelInt SD	0.00247355	0.00051886	0.00012387	0.00005740	0.00017251	0.00054485	0.00619199
Conc Mean	51.35040000[mg/l]	0.99833500[mg/l]	1.02841000[mg/l]	1.01758000[mg/l]	1.00851000[mg/l]	4.95890000[mg/l]	1.05995000[mg/l]
Conc RSD	0.59495739	0.42301833	0.38780836	0.28019222	0.99307890	0.22530803	0.64227086
Conc SD	0.30551300[mg/l]	0.00422314[mg/l]	0.00398826[mg/l]	0.00285118[mg/l]	0.01001530[mg/l]	0.01117280[mg/l]	0.00680775[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	3858110	34775.4000000	235192	1856110	35529500	1130320	633451
Int RSD	3.34580922	0.69431840	2.61672166	0.32847083	2.88188688	0.80265854	0.45627049
Int SD	129085	241.45200000	6154.32000000	6096.78000000	1023920	9072.61000000	2890.25000000
RelInt Mean	0.10618100	0.01507640	0.00598624	---	---	---	0.33934700
RelInt RSD	5.36613895	0.56312780	4.14196557	---	---	---	0.38928295
RelInt SD	0.00569782	0.00008490	0.00024795	---	---	---	0.00132102
Conc Mean	1.00583000[mg/l]	1.04415000[mg/l]	0.96916700[mg/l]	1838450	35409600	1115770	1.07402000[mg/l]
Conc RSD	5.37238897	0.55377580	4.18360303	---	---	---	0.39108955
Conc SD	0.05403710[mg/l]	0.00578225[mg/l]	0.04054610[mg/l]	5985.03000000	1023460	8937.39000000	0.00420038[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	458093	75503.2000000	691945	404839	521751	144110	
Int RSD	0.99896746	0.44471625	0.42015478	0.29044139	0.37425707	0.30021928	
Int SD	4576.20000000	335.77500000	2907.24000000	1175.82000000	1952.69000000	432.64600000	
RelInt Mean	0.40368200	0.04760940	0.36833200	0.21550900	0.27588800	0.07294080	
RelInt RSD	0.51851953	1.03901540	0.23579868	0.37882362	0.16782499	0.23419266	
RelInt SD	0.00209317	0.00049467	0.00086852	0.00081640	0.00046301	0.00017082	
Conc Mean	0.98533100[mg/l]	1.01343000[mg/l]	5.94267000[mg/l]	5.37629000[mg/l]	0.98922000[mg/l]	5.54999000[mg/l]	
Conc RSD	0.51814365	1.03693398	0.23715266	0.37918527	0.16957199	0.23362745	
Conc SD	0.00510543[mg/l]	0.01050860[mg/l]	0.01409320[mg/l]	0.02038610[mg/l]	0.00167744[mg/l]	0.01296630[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997026	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 10:00
Caldate: 13-NOV-2023	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	37658900	-7.80
Yttrium	A	2065650	1929920	-6.57
Yttrium	R	1250430	1148950	-8.12

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2023-11-13 10:00:39			Recalculation Date:		State: Checked		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	89584.6000000	15046.4000000	6987.89000000	14286.1000000	14078.7000000	13788.5000000	13556.3000000
Int RSD	0.50900490	0.91339457	0.69655361	1.27826349	1.05111267	0.48478660	0.74064457
Int SD	455.99000000	137.43300000	48.67440000	182.61400000	147.98300000	66.84480000	100.40400000
RelInt Mean	0.00005085	0.00022563	-0.00004654	0.00083008	0.00005722	0.00532760	0.00014307
RelInt RSD	24.82738412	41.73020840	24.54263772	13.83592867	114.21650614	2.59505218	48.01506976
RelInt SD	0.00001262	0.00009415	0.00001142	0.00011485	0.00006535	0.00013825	0.00006869
Conc Mean	<0.00013106[mg/l]	<0.04844300[mg/l]	<0.00103441[mg/l]	<0.00064756[mg/l]	<0.00002264[mg/l]	<0.04093510[mg/l]	<0.00007249[mg/l]
Conc RSD	400.61804697	27.57735896	53.51997757	209.45574491	899.20747815	14.77878398	522.87206598
Conc SD	0.00052504[mg/l]	0.01335930[mg/l]	0.00055362[mg/l]	0.00135636[mg/l]	0.00020355[mg/l]	0.00604971[mg/l]	0.00037901[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	12507.7000000	87020.6000000	20674.4000000	6763.87000000	16615.9000000	17540.3000000	9159.77000000
Int RSD	0.89735123	0.41127733	5.51067987	0.49758940	1.16761656	0.42971215	2.61216166
Int SD	112.23800000	357.89600000	1139.30000000	33.65630000	194.01000000	75.37280000	239.26800000
RelInt Mean	-0.00000400	0.00032604	0.00164434	0.00063857	0.00049744	0.00040609	0.00027855
RelInt RSD	1260.05618328	1.34952781	36.70268922	5.17402082	56.48275654	14.64568461	39.39415697
RelInt SD	0.00005046	0.00000440	0.00006352	0.00003304	0.00028097	0.00005948	0.00010973
Conc Mean	<0.00042957[mg/l]	<0.00048724[mg/l]	0.00208520[mg/l]	<0.30409700[mg/l]	<0.03790510[mg/l]	<0.00015709[mg/l]	0.00186734[mg/l]
Conc RSD	72.64905534	30.20174862	98.95022060	16.54633226	299.41881172	25.07635604	48.34063427
Conc SD	0.00031208[mg/l]	0.00014716[mg/l]	0.00206331[mg/l]	0.05031690[mg/l]	0.11349500[mg/l]	0.00003939[mg/l]	0.00090268[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	25188.4000000	14197.3000000	14363.2000000	9806.80000000	7597.46000000	7895.50000000	14587.90000000
Int RSD	0.28688087	0.51664753	0.15653476	1.92591875	0.82970888	5.06288392	0.66824080
Int SD	72.26070000	73.35000000	22.48340000	188.87100000	63.03680000	399.74000000	97.48230000
RelInt Mean	0.00192814	-0.00005814	-0.00014999	0.00012249	0.00001780	0.00058445	0.00030051
RelInt RSD	2.30231726	78.20887000	12.32552403	57.39815495	72.38153037	34.60854717	29.25880078
RelInt SD	0.00004439	0.00004547	0.00001849	0.00007031	0.00001288	0.00020227	0.00008793
Conc Mean	0.08247860[mg/l]	<0.00007159[mg/l]	<0.00005065[mg/l]	<0.00401949[mg/l]	<0.00115607[mg/l]	0.01130400[mg/l]	<0.00116515[mg/l]
Conc RSD	6.64868220	516.71539342	1167.43203491	87.05905476	64.68362642	36.67613234	8.29092392
Conc SD	0.00548374[mg/l]	0.00036992[mg/l]	0.00059132[mg/l]	0.00349933[mg/l]	0.00074779[mg/l]	0.00414587[mg/l]	0.00009660[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	120922	6818.34000000	24540.1000000	1929920	37658900	1148950	9848.93000000
Int RSD	1.54009196	0.53529011	0.37299604	0.82501347	0.51732525	0.37973454	0.35091832
Int SD	1862.31000000	36.49790000	91.53360000	15922.1000000	194819	4362.96000000	34.56170000
RelInt Mean	0.00072459	-0.00002439	0.00006502	---	---	---	0.00044424
RelInt RSD	6.55895577	17.61195376	0.59190654	---	---	---	0.64659657
RelInt SD	0.00004753	0.00000430	0.00000038	---	---	---	0.00000287
Conc Mean	0.00576752[mg/l]	<0.00228799[mg/l]	<0.00129468[mg/l]	1912990	37541200	1134360	<0.00369093[mg/l]
Conc RSD	7.81441590	13.02667407	4.83836933	---	---	---	0.24616939
Conc SD	0.00045070[mg/l]	0.00029805[mg/l]	0.00006264[mg/l]	15816.3000000	195112	4367.01000000	0.00009099[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6584.57000000	22409.4000000	17437.5000000	8272.21000000	13487.5000000	9521.28000000	
Int RSD	1.97359888	0.25337091	2.26830681	0.48259292	0.55641965	0.63214190	
Int SD	129.95300000	56.77890000	395.53600000	39.92110000	75.04710000	60.18800000	
RelInt Mean	-0.00038017	0.00007278	0.00212344	0.00016896	0.00014819	-0.00000086	
RelInt RSD	28.99274274	53.74053479	7.94875297	8.74450317	16.36663000	5338.54337152	
RelInt SD	0.00011022	0.00003911	0.00016879	0.00001477	0.00002425	0.00004567	
Conc Mean	<0.00019488[mg/l]	<0.00354464[mg/l]	0.01923380[mg/l]	<0.00121545[mg/l]	<0.00003948[mg/l]	0.01176040[mg/l]	
Conc RSD	137.94667597	23.44122393	14.14629454	30.34151960	221.16728975	29.48250060	
Conc SD	0.00026884[mg/l]	0.00083091[mg/l]	0.00272087[mg/l]	0.00036879[mg/l]	0.00008732[mg/l]	0.00346726[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997037	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 10:36
Caldate: 13-NOV-2023	

Standards: S19393, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0246	0.0317	1.000	1.024	mg/l	2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	36106100	-11.60
Yttrium	A	2065650	1870870	-9.43
Yttrium	R	1250430	1116740	-10.69

Sample Name: CCV,S19393				Sample Type: Control Sample			
Measure Date: 2023-11-13 10:36:24			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	520946	27507.7000000	45599.7000000	167069	610470	1315500	352554
Int RSD	1.94081536	0.56366399	0.58346656	0.70691152	0.45808967	0.18039681	0.47503645
Int SD	10110.6000000	155.05100000	266.05900000	1181.03000000	2796.50000000	2373.12000000	1674.76000000
RelInt Mean	0.01194990	0.00762382	0.02058300	0.08300520	0.32145300	1.18563000	0.18260600
RelInt RSD	3.51022184	3.64769892	0.64804936	0.41835210	0.51463822	0.16291254	0.56876554
RelInt SD	0.00041947	0.00027809	0.00013339	0.00034725	0.00165432	0.00193154	0.00103860
Conc Mean	0.49473500[mg/l]	1.00127000[mg/l]	0.99982500[mg/l]	0.96984000[mg/l]	1.00544000[mg/l]	51.60670000[mg/l]	1.00312000[mg/l]
Conc RSD	3.52602909	3.94054551	0.64547996	0.42284604	0.51426937	0.16361655	0.57378180
Conc SD	0.01744450[mg/l]	0.03945550[mg/l]	0.00645367[mg/l]	0.00410093[mg/l]	0.00517067[mg/l]	0.08443710[mg/l]	0.00575572[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	312355	1092300	582161	50568.3000000	153685	2908790	225436
Int RSD	0.49405644	2.24606793	0.19559194	1.24253139	0.25614927	0.92523695	0.35456404
Int SD	1543.21000000	24533.8000000	1138.66000000	628.32700000	393.66300000	26913.2000000	799.31500000
RelInt Mean	0.16122400	0.02815320	0.30421200	0.04026750	0.12418000	1.56001000	0.11678300
RelInt RSD	0.70552151	3.49982950	0.80519177	1.17990191	0.11431309	0.40736470	0.62302304
RelInt SD	0.00113747	0.00098531	0.00244949	0.00047512	0.00014195	0.00635493	0.00072759
Conc Mean	0.99667900[mg/l]	0.93121100[mg/l]	1.03651000[mg/l]	60.65440000[mg/l]	49.99900000[mg/l]	1.03285000[mg/l]	0.96023700[mg/l]
Conc RSD	0.70563542	3.53894015	0.80776645	1.19282690	0.11486350	0.40763906	0.62331174
Conc SD	0.00703292[mg/l]	0.03295500[mg/l]	0.00837258[mg/l]	0.72350200[mg/l]	0.05743060[mg/l]	0.00421030[mg/l]	0.00598527[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	488800	240953	74008.7000000	48139.6000000	40191.7000000	453397	1091810
Int RSD	0.15857324	0.56164480	0.33178126	0.90282221	0.48754594	0.33397001	0.28146381
Int SD	775.10600000	1353.30000000	245.54700000	434.61500000	195.95300000	1514.21000000	3073.05000000
RelInt Mean	0.42172900	0.12188600	0.03170180	0.02060520	0.01743700	0.24077500	0.97734700
RelInt RSD	0.16125095	0.58773116	0.24970633	0.66672976	0.56282101	0.60008722	0.15548725
RelInt SD	0.00068004	0.00071636	0.00007916	0.00013738	0.00009814	0.00144486	0.00151965
Conc Mean	51.94280000[mg/l]	0.99204300[mg/l]	1.02394000[mg/l]	1.01753000[mg/l]	1.01242000[mg/l]	4.93444000[mg/l]	1.07232000[mg/l]
Conc RSD	0.16184957	0.58727898	0.24809364	0.66981318	0.56260149	0.60029304	0.15579678
Conc SD	0.08406920[mg/l]	0.00582606[mg/l]	0.00254033[mg/l]	0.00681555[mg/l]	0.00569589[mg/l]	0.02962110[mg/l]	0.00167064[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	3832330	34797.8000000	235168	1870870	36106100	1116740	639346
Int RSD	2.93445502	0.41498313	2.16028541	0.81320455	1.18430958	0.25708580	0.28532281
Int SD	112458	144.40500000	5080.30000000	15214.0000000	427608	2870.98000000	1824.20000000
RelInt Mean	0.10370300	0.01498660	0.00588481	---	---	---	0.33980000
RelInt RSD	4.15119138	0.33938652	3.43394264	---	---	---	0.57835197
RelInt SD	0.00430491	0.00005086	0.00020208	---	---	---	0.00196524
Conc Mean	0.98233600[mg/l]	1.03800000[mg/l]	0.95258300[mg/l]	1853260	35985900	1102100	1.07547000[mg/l]
Conc RSD	4.15589981	0.34372929	3.46912553	---	---	---	0.58077027
Conc SD	0.04082490[mg/l]	0.00356791[mg/l]	0.03304630[mg/l]	15282.5000000	427232	2732.05000000	0.00624601[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	458025	75881.8000000	686899	406107	523859	143880	
Int RSD	0.41671524	0.31091513	0.61392577	0.40248260	0.40528272	0.30880734	
Int SD	1908.66000000	235.92800000	4217.05000000	1634.51000000	2123.11000000	444.31200000	
RelInt Mean	0.40856100	0.04826410	0.36264000	0.21448000	0.27481400	0.07225480	
RelInt RSD	0.23698689	0.28478310	0.47894882	0.61106863	0.64287118	0.85313778	
RelInt SD	0.00096824	0.00013745	0.00173686	0.00131062	0.00176670	0.00061643	
Conc Mean	0.99723000[mg/l]	1.02734000[mg/l]	5.85040000[mg/l]	5.35062000[mg/l]	0.98535300[mg/l]	5.49791000[mg/l]	
Conc RSD	0.23690122	0.28404618	0.47971934	0.61131794	0.64339683	0.85138716	
Conc SD	0.00236245[mg/l]	0.00291812[mg/l]	0.02806550[mg/l]	0.03270930[mg/l]	0.00633973[mg/l]	0.04680850[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997038	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 10:39
Caldate: 13-NOV-2023	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	38269800	-6.30
Yttrium	A	2065650	1945790	-5.80
Yttrium	R	1250430	1145600	-8.38

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2023-11-13 10:39:38			Recalculation Date:		State: Checked		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	89499.5000000	15117.5000000	6916.35000000	14030.0000000	14060.5000000	13803.1000000	13421.8000000
Int RSD	0.68560606	0.68526542	0.70627860	0.37303207	1.03153515	1.46442466	0.52630273
Int SD	613.61400000	103.59500000	48.84870000	52.33640000	145.03900000	202.13600000	70.63930000
RelInt Mean	0.00004931	0.00017259	-0.00007956	0.00072094	0.00005419	0.00533303	0.00005257
RelInt RSD	8.82672421	85.23097960	18.41480737	11.57285806	175.72931620	1.84888141	121.15692291
RelInt SD	0.00000435	0.00014710	0.00001465	0.00008343	0.00009524	0.00009860	0.00006369
Conc Mean	<0.00019518[mg/l]	<0.05596800[mg/l]	<0.00056559[mg/l]	<0.00193653[mg/l]	<0.00001157[mg/l]	<0.04069770[mg/l]	<0.00057036[mg/l]
Conc RSD	92.73897294	37.29238136	125.55194283	50.88168012	2567.79631711	10.60192591	61.47485798
Conc SD	0.00018101[mg/l]	0.02087180[mg/l]	0.00071011[mg/l]	0.00098534[mg/l]	0.00029702[mg/l]	0.00431474[mg/l]	0.00035063[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	12522.4000000	86753.8000000	25295.2000000	6781.27000000	16538.1000000	17642.0000000	9178.06000000
Int RSD	0.60294512	0.58092095	6.32159461	2.52690130	0.38583271	1.10222764	2.04914764
Int SD	75.50320000	503.97100000	1599.06000000	171.35600000	63.80940000	194.45500000	188.07200000
RelInt Mean	0.00001130	0.00031974	0.00402783	0.00057283	0.00035970	0.00049231	0.00033088
RelInt RSD	424.43125006	2.65623944	22.93589849	10.13038727	21.47202082	8.51889241	36.31734039
RelInt SD	0.00004797	0.00000849	0.00092382	0.00005803	0.00007723	0.00004194	0.00012017
Conc Mean	<0.00033491[mg/l]	<0.00027662[mg/l]	0.01023400[mg/l]	<0.20398100[mg/l]	<0.01773390[mg/l]	<0.00009998[mg/l]	0.00229773[mg/l]
Conc RSD	88.57225608	102.68562401	30.86173539	43.32437825	175.92520540	27.78286191	43.02028524
Conc SD	0.00029664[mg/l]	0.00028405[mg/l]	0.00315839[mg/l]	0.08837350[mg/l]	0.03119840[mg/l]	0.00002778[mg/l]	0.00098849[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	24430.0000000	14094.6000000	14230.5000000	9734.85000000	7557.96000000	7905.84000000	14574.90000000
Int RSD	1.30175194	0.48589602	0.92281367	0.81233506	0.38175778	4.55825061	0.11438157
Int SD	318.01800000	68.48510000	131.32100000	79.07960000	28.85310000	360.36800000	16.67100000
RelInt Mean	0.00122509	-0.00007932	-0.00018706	0.00010434	0.00001982	0.00057770	0.00014706
RelInt RSD	11.74607580	58.15110986	55.82439671	44.67336924	34.84968797	34.89872824	44.99830004
RelInt SD	0.00014390	0.00004613	0.00010442	0.00004661	0.00000691	0.00020161	0.00006618
Conc Mean	<0.00437339[mg/l]	<0.00010067[mg/l]	<0.00113951[mg/l]	<0.00311559[mg/l]	<0.00127371[mg/l]	0.01116570[mg/l]	<0.00133374[mg/l]
Conc RSD	406.48101358	372.70325304	294.45726672	74.39874951	31.48581702	37.00959188	5.45135484
Conc SD	0.01777700[mg/l]	0.00037522[mg/l]	0.00335537[mg/l]	0.00231796[mg/l]	0.00040104[mg/l]	0.00413238[mg/l]	0.00007271[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	119621	6771.32000000	24397.2000000	1945790	38269800	1145600	11999.90000000
Int RSD	1.67610202	0.11121170	1.12946568	0.89893051	1.33819356	0.40123516	1.87380728
Int SD	2004.97000000	7.53050000	275.55800000	17491.3000000	512124	4596.55000000	224.85500000
RelInt Mean	0.00069113	-0.00003884	0.00006445	---	---	---	0.00157684
RelInt RSD	9.08917412	35.70915513	6.66792871	---	---	---	8.44575226
RelInt SD	0.00006282	0.00001387	0.00000430	---	---	---	0.00013318
Conc Mean	0.00545019[mg/l]	<0.00128543[mg/l]	<0.00120052[mg/l]	1928940	38152300	1131040	<0.00008762[mg/l]
Conc RSD	10.93035289	74.73491361	58.54571352	---	---	---	483.45224222
Conc SD	0.00059573[mg/l]	0.00096066[mg/l]	0.00070285[mg/l]	17425.9000000	512445	4597.14000000	0.00042358[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6717.19000000	22432.3000000	15304.2000000	8387.14000000	13463.2000000	9282.59000000	
Int RSD	1.99668314	0.16907049	0.65318083	1.06452855	0.77404332	0.91104099	
Int SD	134.12100000	37.92640000	99.96410000	89.28350000	104.21100000	84.56820000	
RelInt Mean	-0.00030762	-0.00002379	0.00106338	0.00022947	0.00008627	-0.00011352	
RelInt RSD	40.19016969	268.55394032	8.93699336	29.34145045	100.04173032	19.50899385	
RelInt SD	0.00012363	0.00006388	0.00009503	0.00006733	0.00008630	0.00002215	
Conc Mean	<0.00001793[mg/l]	<0.00149313[mg/l]	<0.00201470[mg/l]	<0.00272590[mg/l]	<0.00025664[mg/l]	<0.00320599[mg/l]	
Conc RSD	1681.97410769	90.89161694	75.89665955	61.65449943	120.39822319	52.45056909	
Conc SD	0.00030155[mg/l]	0.00135713[mg/l]	0.00152909[mg/l]	0.00168064[mg/l]	0.00030899[mg/l]	0.00168156[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997049	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 11:16
Caldate: 13-NOV-2023	

Standards: S19393, S14463 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0246	0.0318	1.000	1.028	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	35536000	-13.00
Yttrium	A	2065650	1832070	-11.31
Yttrium	R	1250430	1115920	-10.76

Sample Name: CCV,S19393				Sample Type: Control Sample			
Measure Date: 2023-11-13 11:16:34			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	515725	26992.6000000	45196.0000000	167053	604625	1312750	349360
Int RSD	2.74469921	2.12015145	0.11367621	0.52428211	0.70187802	0.36805332	0.26453715
Int SD	14155.1000000	572.28400000	51.37710000	875.82900000	4243.73000000	4831.62000000	924.18700000
RelInt Mean	0.01207460	0.00754518	0.02086390	0.08493670	0.32521600	1.18367000	0.18489400
RelInt RSD	3.05610124	5.01834284	0.80603818	0.87339984	1.05318926	0.17370889	0.73634082
RelInt SD	0.00036901	0.00037864	0.00016817	0.00074184	0.00342514	0.00205614	0.00136145
Conc Mean	0.49992300[mg/l]	0.99011000[mg/l]	1.01343000[mg/l]	0.99265100[mg/l]	1.01721000[mg/l]	51.52110000[mg/l]	1.01570000[mg/l]
Conc RSD	3.07015280	5.42601327	0.80409796	0.88264455	1.05322401	0.17456421	0.73332480
Conc SD	0.01534840[mg/l]	0.05372350[mg/l]	0.00814897[mg/l]	0.00876158[mg/l]	0.01071350[mg/l]	0.08993740[mg/l]	0.00744838[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	308314	1089290	574415	50358.7000000	153873	2862830	223313
Int RSD	0.24428926	3.35429500	0.62449100	1.09776066	0.68497397	0.60813601	0.53249923
Int SD	753.17800000	36538.0000000	3587.17000000	552.81800000	1053.99000000	17409.9000000	1189.14000000
RelInt Mean	0.16263000	0.02859200	0.30661400	0.04031680	0.12493000	1.56784000	0.11821800
RelInt RSD	0.73041259	3.38666060	0.45473788	0.74003393	0.82133195	0.14995727	1.14052006
RelInt SD	0.00118787	0.00096831	0.00139429	0.00029836	0.00102609	0.00235109	0.00134830
Conc Mean	1.00537000[mg/l]	0.94588900[mg/l]	1.04472000[mg/l]	60.72940000[mg/l]	50.30210000[mg/l]	1.03803000[mg/l]	0.97204400[mg/l]
Conc RSD	0.73041169	3.42386897	0.45625048	0.74808412	0.82406102	0.14993497	1.14097716
Conc SD	0.00734334[mg/l]	0.03238600[mg/l]	0.00476654[mg/l]	0.45430700[mg/l]	0.41452000[mg/l]	0.00155637[mg/l]	0.01109080[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	489682	238634	72550.1000000	47640.7000000	39768.0000000	450186	1092540
Int RSD	0.62858345	0.37344134	0.11250515	0.57421490	0.74571012	0.49121252	0.88902923
Int SD	3078.06000000	891.15800000	81.62260000	273.56000000	296.55400000	2211.37000000	9713.00000000
RelInt Mean	0.42341800	0.12339300	0.03181570	0.02086580	0.01769320	0.24419100	0.97868500
RelInt RSD	0.45872164	0.87625716	0.77340747	1.40003259	1.08475007	1.05352777	0.68330566
RelInt SD	0.00194231	0.00108124	0.00024607	0.00029213	0.00019193	0.00257262	0.00668741
Conc Mean	52.15150000[mg/l]	1.00430000[mg/l]	1.02760000[mg/l]	1.03045000[mg/l]	1.02729000[mg/l]	5.00446000[mg/l]	1.07379000[mg/l]
Conc RSD	0.46016701	0.87568854	0.77140814	1.40659906	1.08470831	1.05353225	0.68448672
Conc SD	0.23998400[mg/l]	0.00879454[mg/l]	0.00792699[mg/l]	0.01449430[mg/l]	0.01114310[mg/l]	0.05272360[mg/l]	0.00734995[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	3802750	34379.5000000	232996	1832070	35536000	1115920	626758
Int RSD	3.01839458	0.06801291	3.09772700	0.72290906	0.26830172	0.21507097	0.13663503
Int SD	114782	23.38250000	7217.58000000	13244.2000000	95343.7000000	2400.02000000	856.37100000
RelInt Mean	0.10457700	0.01513970	0.00593785	---	---	---	0.34019300
RelInt RSD	2.89652600	0.88846543	3.20676676	---	---	---	0.69247457
RelInt SD	0.00302910	0.00013451	0.00019041	---	---	---	0.00235575
Conc Mean	0.99062500[mg/l]	1.04856000[mg/l]	0.96125100[mg/l]	1814960	35419500	1101780	1.07671000[mg/l]
Conc RSD	2.89944227	0.87963493	3.23876906	---	---	---	0.69552990
Conc SD	0.02872260[mg/l]	0.00922350[mg/l]	0.03113270[mg/l]	13207.5000000	95738.5000000	2712.71000000	0.00748884[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	459216	75506.8000000	679263	404018	520733	143523	
Int RSD	0.71925848	0.72695837	0.52926922	0.52182824	0.46794999	0.60461877	
Int SD	3302.95000000	548.90300000	3595.13000000	2108.28000000	2436.77000000	867.76700000	
RelInt Mean	0.41005400	0.04861470	0.36640700	0.21791200	0.27910300	0.07366220	
RelInt RSD	0.51738795	0.27110730	1.06841845	0.88052517	0.93905476	0.64850222	
RelInt SD	0.00212157	0.00013180	0.00391476	0.00191877	0.00262093	0.00047770	
Conc Mean	1.00087000[mg/l]	1.03479000[mg/l]	5.91128000[mg/l]	5.43627000[mg/l]	1.00075000[mg/l]	5.60476000[mg/l]	
Conc RSD	0.51709313	0.27067618	1.07101508	0.88083741	0.94027479	0.64710889	
Conc SD	0.00517543[mg/l]	0.00280093[mg/l]	0.06331070[mg/l]	0.04788470[mg/l]	0.00940980[mg/l]	0.03626890[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 495753 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483456997050	File: met06_master011
Cal: 483456997001	Time: 13-NOV-2023 11:19
Caldate: 13-NOV-2023	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	40844500	36609600	-10.37
Yttrium	A	2065650	1886440	-8.68
Yttrium	R	1250430	1134830	-9.24

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2023-11-13 11:19:48			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	89162.5000000	15043.1000000	6894.30000000	13820.9000000	14050.6000000	13617.4000000	13345.3000000
Int RSD	0.51272340	1.71235982	0.33060789	0.46244166	0.52510142	1.41648185	0.24928776
Int SD	457.15700000	257.59200000	22.79310000	63.91360000	73.77990000	192.88800000	33.26820000
RelInt Mean	0.00005002	0.00017693	-0.00007879	0.00068849	0.00006634	0.00523591	0.00004875
RelInt RSD	11.23068803	21.88079695	25.83774933	1.40401285	75.77924094	2.61398687	70.04898703
RelInt SD	0.00000562	0.00003871	0.00002036	0.00000967	0.00005027	0.00013687	0.00003415
Conc Mean	<0.00016554[mg/l]	<0.05535310[mg/l]	<0.00052795[mg/l]	<0.00231974[mg/l]	<0.00005019[mg/l]	<0.04494740[mg/l]	<0.00059116[mg/l]
Conc RSD	141.13386493	9.92323826	186.81956022	4.92128428	310.25125027	13.32457495	31.77626849
Conc SD	0.00023363[mg/l]	0.00549282[mg/l]	0.00098631[mg/l]	0.00011416[mg/l]	0.00015571[mg/l]	0.00598905[mg/l]	0.00018785[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	12315.2000000	86560.5000000	22135.6000000	6719.14000000	16763.5000000	17335.8000000	9147.09000000
Int RSD	0.99494121	0.25472011	5.09726414	2.44644404	1.72493811	1.00111907	1.84090241
Int SD	122.52900000	220.48700000	1128.31000000	164.38000000	289.16000000	173.55200000	168.38900000
RelInt Mean	-0.00005353	0.00033729	0.00253280	0.00052512	0.00058828	0.00038147	0.00031443
RelInt RSD	124.91177070	1.41850633	24.83346494	10.18627981	37.60018631	14.05793378	22.31924435
RelInt SD	0.00006686	0.00000478	0.00062898	0.00005349	0.00022119	0.00005363	0.00007018
Conc Mean	<0.00073583[mg/l]	<0.00086361[mg/l]	0.00512269[mg/l]	<0.13132800[mg/l]	<0.07460130[mg/l]	<0.00017340[mg/l]	0.00216246[mg/l]
Conc RSD	56.19355014	18.53078835	41.97755476	62.02774732	119.77083509	20.48413513	26.69626259
Conc SD	0.00041349[mg/l]	0.00016003[mg/l]	0.00215038[mg/l]	0.08145980[mg/l]	0.08935060[mg/l]	0.00003552[mg/l]	0.00057730[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	24803.6000000	14083.9000000	14160.1000000	9702.43000000	7552.77000000	7841.67000000	14580.7000000
Int RSD	1.20567579	0.58344280	1.59987571	1.09880721	0.53036171	4.06744992	1.54895855
Int SD	299.05100000	82.17150000	226.54400000	106.61100000	40.05700000	318.95600000	225.84900000
RelInt Mean	0.00156280	-0.00004337	-0.00023576	0.00011206	0.00003180	0.00057936	0.00014406
RelInt RSD	7.87279242	22.91345083	17.18038878	37.81756690	55.16938839	30.08288513	88.60359704
RelInt SD	0.00012304	0.00000994	0.00004051	0.00004238	0.00001754	0.00017429	0.00012765
Conc Mean	<0.03734580[mg/l]	<0.00019181[mg/l]	<0.00270564[mg/l]	<0.00350239[mg/l]	<0.00196907[mg/l]	0.01119960[mg/l]	<0.00133704[mg/l]
Conc RSD	40.69935575	42.14248846	48.14794282	60.15121103	51.72441813	31.89676417	10.48899061
Conc SD	0.01519950[mg/l]	0.00008083[mg/l]	0.00130271[mg/l]	0.00210673[mg/l]	0.00101849[mg/l]	0.00357231[mg/l]	0.00014024[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	117809	6724.06000000	24514.3000000	1886440	36609600	1134830	10227.8000000
Int RSD	1.25124566	0.51718753	0.48959179	0.54021331	0.19255305	0.46279090	0.72538180
Int SD	1474.08000000	34.77600000	120.02000000	10190.8000000	70492.9000000	5251.89000000	74.19060000
RelInt Mean	0.00067701	-0.00006350	0.00006957	---	---	---	0.00069594
RelInt RSD	7.39348786	24.28867694	1.60167784	---	---	---	5.51133073
RelInt SD	0.00005005	0.00001542	0.00000111	---	---	---	0.00003836
Conc Mean	0.00531629[mg/l]	<0.00042373[mg/l]	<0.00203785[mg/l]	1869390	36493600	1120140	<0.00289001[mg/l]
Conc RSD	8.92882066	251.82014061	8.93976495	---	---	---	4.22576392
Conc SD	0.00047468[mg/l]	0.00106704[mg/l]	0.00018218[mg/l]	10239.2000000	70773.2000000	5201.64000000	0.00012213[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6889.53000000	22445.2000000	15337.9000000	8445.37000000	13512.3000000	9142.34000000	
Int RSD	0.44369210	2.00316772	1.23490830	1.39687190	0.37714157	0.64755303	
Int SD	30.56830000	449.61500000	189.40900000	117.97100000	50.96050000	59.20150000	
RelInt Mean	-0.00014680	-0.00000985	0.00114130	0.00026632	0.00015718	-0.00019272	
RelInt RSD	115.72153537	736.87212353	7.97999650	25.51266695	2.11094641	14.51236788	
RelInt SD	0.00016989	0.00007261	0.00009108	0.00006795	0.00000332	0.00002797	
Conc Mean	<0.00037431[mg/l]	<0.00178914[mg/l]	0.00328278[mg/l]	<0.00364567[mg/l]	<0.00000142[mg/l]	<0.00280702[mg/l]	
Conc RSD	110.69980177	86.21572376	44.70479289	46.52066698	1063.01290804	75.65069006	
Conc SD	0.00041436[mg/l]	0.00154252[mg/l]	0.00146756[mg/l]	0.00169599[mg/l]	0.00001510[mg/l]	0.00212353[mg/l]	



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

enthalpy.com

Lab Job Number: 497463
Report Level: II
Report Date: 12/11/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105



Sample Summary

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

Lab Job #: 497463
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 12/07/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C11E-DG-5 TO 5.5-UP-C11.6-DG-231207-L-LA	497463-001	12/07/23 09:10	Wipe
ARCH-C12E-DG-5 TO 5.5-231207-L-FB	497463-002	12/07/23 09:15	Wipe
ARCH-C12E-PS-5.5-231207-L-G	497463-003	12/07/23 09:20	Wipe
ARCH-C13E-PS-5.5-231207-L-G	497463-004	12/07/23 09:25	Wipe
ARCH-C12E-DG-5.5 TO 6-DN-C12E-DG-231207-L-LA	497463-005	12/07/23 09:35	Wipe
ARCH-C13E-DG-5.5 TO 6-231207-L-FB	497463-006	12/07/23 09:40	Wipe
ARCH-C13E-DG-5.5 TO 6-231207-L-DUP-FB	497463-007	12/07/23 09:40	Wipe
ARCH-C11E-DG-6 TO 6.5-UP-C11.4-HM-231207-L-LA	497463-008	12/07/23 09:50	Wipe
ARCH-C12E-EXT-6 TO 7-231207-L-WF	497463-009	12/07/23 09:55	Wipe
ARCH-C12E-DG-6 TO 6.5-231207-L-FB	497463-010	12/07/23 10:05	Wipe
ARCH-C12E-DG-6 TO 6.5-DN-C12.3-VS-231207-L-LA	497463-011	12/07/23 10:10	Wipe
ARCH-C11E-DG-6.5 TO 7-DN-C11.3-DG-231207-L-LA	497463-012	12/07/23 10:15	Wipe
ARCH-C12E-PS-6.5-231207-L-G	497463-013	12/07/23 10:25	Wipe
ARCH-C13E-PS-6.5-231207-L-G	497463-014	12/07/23 10:30	Wipe
ARCH-C11E-DG-7 TO 7.5-UP-C11.2-VS-231207-L-LA	497463-015	12/07/23 10:35	Wipe
ARCH-C13E-DG-7 TO 7.5-231207-L-FB	497463-016	12/07/23 10:50	Wipe
ARCH-C12E-DG-7 TO 7.5-231207-L-FB	497463-017	12/07/23 10:45	Wipe
ARCH-C12E-DG-7 TO 7.5-DN-C12.4-DG-231207-L-LA	497463-018	12/07/23 11:00	Wipe



Sample Summary

Austin Moore	Lab Job #:	497463
Rincon	Project No:	20-10491
Consultants	Location:	Hangar 1 NTCRA
449 15th Street	Date Received:	12/07/23
#303		
Oakland, CA		
94612		

Sample ID	Lab ID	Collected	Matrix
ARCH-C11E-DG-8 TO 9-UP-C11E-DG-231207-L-LA	497463-019	12/07/23 11:10	Wipe
ARCH-C13E-EXT-8 TO 9-231207-L-WF	497463-020	12/07/23 11:15	Wipe
ARCH-C12E-INT-7.5 TO 9-231207-L-WF	497463-021	12/07/23 11:20	Wipe
231207-L-FIELDBLANK2-LO	497463-022	12/07/23 09:05	Wipe
231207-L-MEDBLANK2-LO	497463-023	12/07/23 12:05	Wipe

Case Narrative

7 of 12

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

Lab Job 497463
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

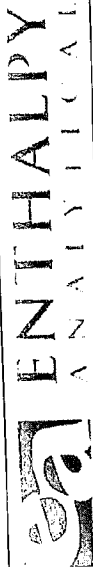
Date Received: 12/07/23

This data package contains sample and QC results for twenty three wipe samples, requested for the above referenced project on 12/08/23. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

497463



Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92668
Phone 714-771-6900

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
COC ID:				Standard:			
Page: 1 of 2				3 Day: Custom TAT:			
Matrix: A = Air S = Soil/Solid				Preservatives:			
W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water				1 = Na ₂ S ₂ O ₃ 2 = HCl 3 = HNO ₃			
SW = Swab T = Tissue WP = Wipe O = Other				4 = H ₂ SO ₄ 5 = NaOH 6 = Other			
Report: Level II data validation (lab use only)				Report: Level II data validation			
PROJECT INFORMATION				Analysis Request			
Quote #: RIN031721				Confirmation Wipe Samples - Level II			
Proj. Name: Hanger 1 - NCTRA WP				Report/Stage 2A Validation			
Proj. #: 20-10491				Report lead concentrations on a µg/l2 basis			
P.O. #: 158 Cody Road, Mountain View, CA				Wipe samples collected from Zone 6 Enclosure A/B (Low Occupancy)			
Address:				6x Rivet Type 1 = 0.087 8472			
Global ID:				6x Rivet Type 1 = 0.087 8472			
Sampled By:				1x Rivet Type 2 = 0.0100 472			
Sample ID				Date / Time			
1	ARCH-C11E-DG-5 TO 5.5-UP-C11.6-DG-231207-L-LA	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	
2	ARCH-C12E-DG-5 TO 5.5-231207-L-FB	12/7/2023	0910	WP	1	--	
3	ARCH-C12E-PS-5.5-231207-L-G	12/7/2023	0915	WP	1	--	
4	ARCH-C13E-PS-5.5-231207-L-G	12/7/2023	0920	WP	1	--	
5	ARCH-C13E-PS-5.5-231207-L-G	12/7/2023	0925	WP	1	--	
6	ARCH-C12E-DG-5 TO 6-DN-C12E-DG-231207-L-LA	12/7/2023	0935	WP	1	--	
7	ARCH-C13E-DG-5 TO 6-231207-L-FB	12/7/2023	0940	WP	1	--	
8	ARCH-C13E-DG-5 TO 6-231207-L-DUP-FB	12/7/2023	0950	WP	1	--	
9	ARCH-C11E-DG-6 TO 6.5-UP-C11.4-HIM-231207-L-LA	12/7/2023	0955	WP	1	--	
10	ARCH-C12E-EXT-6 TO 7-231207-L-WF	12/7/2023	1005	WP	1	--	
11	ARCH-C12E-DG-6 TO 6.5-231207-L-FB	12/7/2023	1010	WP	1	--	
12	ARCH-C12E-DG-6 TO 6.5-DN-C12.3-VS-231207-L-LA	12/7/2023	1015	WP	1	--	
13	ARCH-C11E-DG-6.5 TO 7 -DN-C11.3-DG-231207-L-LA	12/7/2023	1025	WP	1	--	
14	ARCH-C12E-PS-6.5-231207-L-G	12/7/2023	1030	WP	1	--	
15	ARCH-C13E-PS-6.5-231207-L-G	12/7/2023	1035	WP	1	--	
Signature				Company / Title			
Relinquished By: [Signature]				Rincon Env Scientist			
Received By: [Signature]				PHTALUPY			
Relinquished By: [Signature]				12/7/23 @ 13:47			
Received By: [Signature]				12/7/23 @ 16:15			
Relinquished By: [Signature]				12/7/23 @ 16:15			
Received By: [Signature]				12/7/23 @ 17:03			
Relinquished By: [Signature]				12/7/23 @ 17:03			
Received By: [Signature]				12/7/23 @ 17:03			

497463

 ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
		Page: 2 of 2	COC ID: 2	Standard: 2 Day: 5 Day: 3 Day: Custom TAT:			
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: (lab use only)			
PROJECT INFORMATION		Analysis Request		Test Instructions / Comments			
Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By:		Lead - EPA Method 3050/6010B		Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft ² basis Wipe samples collected from Zone 6 Enclosure A/B (Low Occupancy)			
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:		Sample ID Sampling Date Sampling Time Matrix Container No. / Size Pres.					
16 ARCH-C13E-DG-7 TO 7.5-231207-L-FB		12/7/2023 1050 WP 1 --					
17 ARCH-C12E-DG-7 TO 7.5-231207-L-FB		12/7/2023 1045 WP 1 --					
18 ARCH-C12E-DG-7 TO 7.5-DN-C12.4-DG-231207-L-LA		12/7/2023 1100 WP 1 --					
19 ARCH-C11E-DG-8 TO 9-UP-C11E-DG-231207-L-LA		12/7/2023 1110 WP 1 --					
20 ARCH-C13E-EXT-8 TO 9-231207-L-WF		12/7/2023 1115 WP 1 --					
21 ARCH-C12E-INT-7.3 TO 9-231207-L-WF		12/7/2023 1120 WP 1 --					
22 2301208-L-FIELD BLANK2-LO		12/7/2023 0905 WP 1 --					
23 2301208-L-MED BLANK2-LO		12/7/2023 1205 WP 1 --					
24 ARCH-C12E-DG-8 TO 9-DN-C12.4-DG-231207-L-LA		12/7/2023 WP 1 --					
25 ARCH-C13E-INT-7.3 TO 9-231207-L-WF		12/7/2023 WP 1 --					
26							
27							
28							
29							
30							
Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By: [Signature]		Michaela K M		Rincon / Environmental Scientist		12/7/23 09:13:47	
1 Received By: [Signature]		Lindsay Parker		Enthalpy		12/7/23 @ 13:47	
2 Relinquished By: [Signature]		JSP		Enthalpy		12/7/23 16:15	
2 Received By: [Signature]		Lindsay Parker		Enthalpy		12/7/23 16:19	
3 Relinquished By: [Signature]		Lindsay Parker		Enthalpy		12/7/23 17:05	
3 Received By: [Signature]		Lindsay Parker		Enthalpy		12/8/23 09:30	

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ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 NTCRA

Date Received: 12/08/23

Sampler's Name Present: ☐ Yes ☒ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C)
(No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 4.0 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: Southwest Airlines

Section 3

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

Cooler Temp (°C): #1: 1.6 #2: _____ #3: _____ #4: _____

Section 4

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

Section 5 Explanations/Comments

497463

Section 6

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

Project Manager's response:

Completed By: _____

Date:

DEC 08 2023

SOUTHWEST AIRLINES

Printed on:
07 DEC 19:07

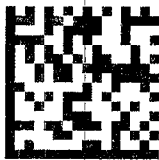
526 OAK 9659 3114 

SNA

PC# 12 OF 14 DG LOT WT
730 LB
(331.2 KG)

OAK WN 4585 07 DEC 20:45

STN FLT DATE ETD LOT 01



PC ID: 0012
PC WT: 52LB

526 96593114 0012

S

1.6 / 4.0

Lead

Lab #: 497463		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C11E-DG-5 TO 5.5-UP-C11.6-DG-231207-L-LA		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-001		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-001 Analyte		Result	RL Units
Lead		21	0.50 ug/ft2
Field ID: ARCH-C12E-DG-5 TO 5.5-231207-L-FB		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-002		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-002 Analyte		Result	RL Units
Lead		14	0.50 ug/ft2
Field ID: ARCH-C12E-PS-5.5-231207-L-G		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-003		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-003 Analyte		Result	RL Units
Lead		45	0.50 ug/ft2
Field ID: ARCH-C13E-PS-5.5-231207-L-G		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-004		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-004 Analyte		Result	RL Units
Lead		70	0.50 ug/ft2
Field ID: ARCH-C12E-DG-5.5 TO 6-DN-C12E-DG-231207-L-LA		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-005		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-005 Analyte		Result	RL Units
Lead		7.9	0.50 ug/ft2

Lead

Lab #: 497463		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C13E-DG-5.5 TO 6-231207-L-FB	Batch#: 328031	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 12/07/23	Analysis: EPA 6010B	
Lab ID: 497463-006	Received: 12/07/23	Analyst: KLN	
Matrix: Wipe	Prepared: 12/08/23		
Diln Fac: 1.000	Analyzed: 12/08/23		
497463-006 Analyte		Result	RL Units
Lead		5.9	0.50 ug/ft2
Field ID: ARCH-C13E-DG-5.5 TO 6-231207-L-DUP-FB	Batch#: 328031	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 12/07/23	Analysis: EPA 6010B	
Lab ID: 497463-007	Received: 12/07/23	Analyst: KLN	
Matrix: Wipe	Prepared: 12/08/23		
Diln Fac: 1.000	Analyzed: 12/08/23		
497463-007 Analyte		Result	RL Units
Lead		8.1	0.50 ug/ft2
Field ID: ARCH-C11E-DG-6 TO 6.5-UP-C11.4-HM-231207-L-LA	Batch#: 328031	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 12/07/23	Analysis: EPA 6010B	
Lab ID: 497463-008	Received: 12/07/23	Analyst: KLN	
Matrix: Wipe	Prepared: 12/08/23		
Diln Fac: 1.000	Analyzed: 12/08/23		
497463-008 Analyte		Result	RL Units
Lead		12	0.50 ug/ft2
Field ID: ARCH-C12E-EXT-6 TO 7-231207-L-WF	Batch#: 328031	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 12/07/23	Analysis: EPA 6010B	
Lab ID: 497463-009	Received: 12/07/23	Analyst: KLN	
Matrix: Wipe	Prepared: 12/08/23		
Diln Fac: 1.000	Analyzed: 12/08/23		
497463-009 Analyte		Result	RL Units
Lead		7.0	0.50 ug/ft2
Field ID: ARCH-C12E-DG-6 TO 6.5-231207-L-FB	Batch#: 328031	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 12/07/23	Analysis: EPA 6010B	
Lab ID: 497463-010	Received: 12/07/23	Analyst: KLN	
Matrix: Wipe	Prepared: 12/08/23		
Diln Fac: 1.000	Analyzed: 12/08/23		
497463-010 Analyte		Result	RL Units
Lead		2.8	0.50 ug/ft2

Lead

Lab #: 497463		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C12E-DG-6 TO 6.5-DN-C12.3-VS-231207-L-LA		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-011		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-011 Analyte		Result	RL Units
Lead		33	0.50 ug/ft2
Field ID: ARCH-C11E-DG-6.5 TO 7-DN-C11.3-DG-231207-L-LA		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-012		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-012 Analyte		Result	RL Units
Lead		68	0.50 ug/ft2
Field ID: ARCH-C12E-PS-6.5-231207-L-G		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-013		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-013 Analyte		Result	RL Units
Lead		14	0.50 ug/ft2
Field ID: ARCH-C13E-PS-6.5-231207-L-G		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-014		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-014 Analyte		Result	RL Units
Lead		8.9	0.50 ug/ft2
Field ID: ARCH-C11E-DG-7 TO 7.5-UP-C11.2-VS-231207-L-LA		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-015		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-015 Analyte		Result	RL Units
Lead		70	0.50 ug/ft2

Lead

Lab #: 497463		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C13E-DG-7 TO 7.5-231207-L-FB		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-016		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-016 Analyte		Result	RL Units
Lead		59	0.50 ug/ft2
Field ID: ARCH-C12E-DG-7 TO 7.5-231207-L-FB		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-017		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-017 Analyte		Result	RL Units
Lead		96	0.50 ug/ft2
Field ID: ARCH-C12E-DG-7 TO 7.5-DN-C12.4-DG-231207-L-LA		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-018		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-018 Analyte		Result	RL Units
Lead		50	0.50 ug/ft2
Field ID: ARCH-C11E-DG-8 TO 9-UP-C11E-DG-231207-L-LA		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-019		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-019 Analyte		Result	RL Units
Lead		27	0.50 ug/ft2
Field ID: ARCH-C13E-EXT-8 TO 9-231207-L-WF		Batch#: 328031	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-020		Received: 12/07/23	Analyst: KLN
Matrix: Wipe		Prepared: 12/08/23	
Diln Fac: 1.000		Analyzed: 12/08/23	
497463-020 Analyte		Result	RL Units
Lead		65	0.50 ug/ft2

Lead

Lab #: 497463	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C12E-INT-7.5 TO 9-231207-L-WF	Batch#: 328032	Prep: EPA 3050B
Type: SAMPLE	Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-021	Received: 12/07/23	Analyst: KLN
Matrix: Wipe	Prepared: 12/08/23	
Diln Fac: 1.000	Analyzed: 12/08/23	

497463-021 Analyte	Result	RL	Units
Lead	26	0.50	ug/ft2

Field ID: 231207-L-FIELDBLANK2-LO	Batch#: 328032	Prep: EPA 3050B
Type: SAMPLE	Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-022	Received: 12/07/23	Analyst: KLN
Matrix: Wipe	Prepared: 12/08/23	
Diln Fac: 1.000	Analyzed: 12/08/23	

497463-022 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 231207-L-MEDBLANK2-LO	Batch#: 328032	Prep: EPA 3050B
Type: SAMPLE	Sampled: 12/07/23	Analysis: EPA 6010B
Lab ID: 497463-023	Received: 12/07/23	Analyst: KLN
Matrix: Wipe	Prepared: 12/08/23	
Diln Fac: 1.000	Analyzed: 12/08/23	

497463-023 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 328031	Analysis: EPA 6010B
Lab ID: QC1112115	Prepared: 12/08/23	Analyst: KLN
Matrix: Wipe	Analyzed: 12/08/23	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1112115 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 328032	Analysis: EPA 6010B
Lab ID: QC1112118	Prepared: 12/08/23	Analyst: KLN
Matrix: Wipe	Analyzed: 12/08/23	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1112118 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 497463

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1112116

Matrix: Wipe

Diln Fac: 1.000

Batch#: 328031

Prepared: 12/08/23

Analyzed: 12/08/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: KLN

QC1112116 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.76	108	80-120	ug/ft2

Type: BS

Lab ID: QC1112119

Matrix: Wipe

Diln Fac: 1.000

Batch#: 328032

Prepared: 12/08/23

Analyzed: 12/08/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: KLN

QC1112119 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	54.09	108	80-120	ug/ft2

Type: BSD

Lab ID: QC1112117

Matrix: Wipe

Diln Fac: 1.000

Batch#: 328031

Prepared: 12/08/23

Analyzed: 12/08/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: KLN

QC1112117 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	52.41	105	80-120	ug/ft2	3	20

Type: BSD

Lab ID: QC1112120

Matrix: Wipe

Diln Fac: 1.000

Batch#: 328032

Prepared: 12/08/23

Analyzed: 12/08/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: KLN

QC1112120 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.83	108	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: 499977
Report Level: II
Report Date: 01/22/2024

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:

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 #: 499977 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 01/18/24
--	--

Sample ID	Lab ID	Collected	Matrix
ARCH-C11W-DG-3 TO 3.5-DN-C11.4-VS-240118-L-LA	499977-001	01/18/24 09:40	Wipe
ARCH-C12W-PS-3.5-240118-L-G	499977-002	01/18/24 09:45	Wipe
ARCH-C12W-DG-4 TO 4.5-UP-C12.4-DG-240118-L-LA	499977-003	01/18/24 09:55	Wipe
ARCH-C13W-DG-4 TO 4.5-240118-L-FB	499977-004	01/18/24 10:00	Wipe
ARCH-C12W-INT-3.5 TO 4.5-240118-L-WF	499977-005	01/18/24 10:10	Wipe
ARCH-C12W-INT-3.5 TO 4.5-240118-L-DUP-WF	499977-006	01/18/24 10:10	Wipe
ARCH-C12W-PS-4.5-240118-L-G	499977-007	01/18/24 10:20	Wipe
ARCH-C13W-PS-4.5-240118-L-G	499977-008	01/18/24 10:25	Wipe
ARCH-C12W-DG-5 TO 5.5-UP-C12.6-VS-240118-L-LA	499977-009	01/18/24 10:30	Wipe
ARCH-C13W-INT-4.5 TO 5.5-240118-L-WF	499977-010	01/18/24 10:40	Wipe
ARCH-C11W-DG-5 TO 5.5-UP-C11.6-DG-240118-L-LA	499977-011	01/18/24 10:50	Wipe
ARCH-C12W-DG-5 TO 5.5-240118-L-FB	499977-012	01/18/24 10:45	Wipe
240118-L-FIELDBLANK1-LO	499977-013	01/18/24 07:45	Wipe
240118-L-MEDBLANK1-LO	499977-014	01/18/24 11:55	Wipe

Case Narrative

3 of 15

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

Lab Job 499977
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 01/18/24

This data package contains sample and QC results for fourteen wipe samples, requested for the above referenced project on 01/19/24. 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)											
		COC ID:		Standard:		5 Day:		3 Day:							
Page:		1 of 2		2 Day:		1 Day:		X (Pb)		Custom TAT:					
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking 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)			
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:		Rincon Consultants, Inc.		Quote #:		RIN031721		Lead - EPA Method 3050/6010B HOLD				Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft ² basis Wipe samples collected from Zone 6 Enclosure C/D (Low Occupancy)			
Report To:		Lindsay Parker		Proj. Name:		Hangar 1 - NCTRA WP									
Email:		lparker@rinconconsultants.com		Proj. #:		20-10491									
Address:		449 15th Street, Suite 303		P.O. #:											
		Oakland, California 94612		Address:		158 Cody Road, Mountain View, CA									
Phone:		(651) 890-9556		Global ID:											
Fax:				Sampled By:		D. Welsh									
Sample ID			Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.								
1	ARCH-C11W-DG-3 TO 3.5-DN-C11.4-VS-240118-L-LA		1/18/2024	0940	WP	I	--	X							4x Rivet Type 2 = 0.0400 ft ²
2	ARCH-C12W-PS-3.5-240118-L-G		1/18/2024	0945	WP	I	--	X							6x Rivet Type I = 0.0828 ft ²
3	ARCH-C12W-DG-4 TO 4.5-UP-C12.4-DG-240118-L-LA		1/18/2024	0955	WP	I	--	X							
4	ARCH-C13W-DG-4 TO 4.5-240118-L-FB		1/18/2024	1000	WP	I	--	X							
5	ARCH-C12W-INT-3.5 TO 4.5-240118-L-WF		1/18/2024	1010	WP	I	--	X							
6	ARCH-C12W-INT-3.5 TO 4.5-240118-L-DUP-WF		1/18/2024	1010	WP	I	--	X							
7	ARCH-C12W-PS-4.5-240118-L-G		1/18/2024	1020	WP	I	--	X							2x Rivet Type I = 0.0276 ft ²
8	ARCH-C13W-PS-4.5-240118-L-G		1/18/2024	1025	WP	I	--	X							2x Rivet Type I = 0.0276 ft ²
9	ARCH-C12W-DG-5 TO 5.5-UP-C12.6-VS-240118-L-LA		1/18/2024	1030	WP	I	--	X							
10	ARCH-C13W-INT-4.5 TO 5.5-240118-L-WF		1/18/2024	1040	WP	I	--	X							
11	ARCH-C11W-DG-5 TO 5.5-UP-C11.6-DG-240118-L-LA		1/18/2024	1050	WP	I	--	X							
12	ARCH-C12W-DG-5 TO 5.5-240118-L-FB		1/18/2024	1045	WP	I	--	X							
13	ARCH-C12W-PS-5.5-240118-L-G		1/18/2024		WP	I	--	X							
14	ARCH-C13W-PS-5.5-240118-L-G		1/18/2024		WP	I	--	X							
15	ARCH-C12W-DG-6 TO 6.5-240118-L-FB		1/18/2024		WP	I	--	X							
			Signature		Print Name			Company / Title				Date / Time			
1 Relinquished By:			[Signature]		Donald Welsh			Rincon / Env. Scientist				1/18/24			

499977

 ENTHALPY ANALYTICAL				Chain of Custody Record				Turn Around Time (rush by advanced notice only)									
				COC ID: _____				Standard: _____		5 Day: _____		3 Day: _____					
Page: 2 of 2				2 Day: _____		1 Day: _____		X (Pb)		Custom TAT: _____							
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking 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)					
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments					
Company: Rincon Consultants, Inc.				Quote #: RIN031721				Lead - EPA Method 3050/6010B HOLD				Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft ² basis Wipe samples collected from Zone 6 Enclosure C/D (Low Occupancy)					
Report To: Lindsay Parker				Proj. Name: Hangar 1 - NCTRA WP													
Email: lparker@rinconconsultants.com				Proj. #: 20-10491													
Address: 449 15th Street, Suite 303				P.O. #: _____													
Oakland, California 94612				Address: 158 Cody Road, Mountain View, CA													
Phone: (651) 890-9556				Global ID: _____													
Fax: _____				Sampled By: D. Welsh													
Sample ID				Sampling Date		Sampling Time		Matrix		Container No. / Size		Pres.					
16 ARCH C13W-DG-6 TO 6.5-DN-C12.3-VS-240118-L-EA				1/18/2024				WP		1		--		X			
17 ARCH C13W-INF-7 TO 7.5-240118-L-WP				1/18/2024				WP		1		--		X			
18 240118-L-FIELDBLANK 1-LO				1/18/2024		0745		WP		1		--		X			
19 240118-L-MEDBLANK 1-LO				1/18/2024		1155		WP		1		--		X			
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
Signature				Print Name				Company / Title				Date / Time					
1 Relinquished By: [Signature]				Donald Welsh				Rincon / Env. Scientist				1/18/24 1400					
1 Received By: Audrey Hudson				AUDREY HUDSON				ENTHALPY				1/18/24 14:00					
2 Relinquished By: Audrey Hudson				" "				" "				1/18/24 16:16					
2 Received By: [Signature]				Marcelle G. Kim				EA				1/18/24 16:16					
3 Relinquished By: [Signature]				Marcelle G. Kim				EA				1/19/24 17:03					
3 Received By: [Signature]				G. Kim				EA				1/19/24 0730					

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: 1/18/24 Login # 499974 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 1/18/24 By (print) [signature] (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 1/18/24 By (print) [signature] (sign) [signature]

Date Labeled 1/19/24 By (print) [signature] (sign) [signature]



SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: Rincon Consultants Project: Hangar 1 NTCRA
 Date Received: 01/19/24 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: 3.3 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
 Shipping Information: Southwest Airlines

Section 3
 Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
 Cooler Temp (°C): #1: 3.3 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments
499977

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: JAN 19 2024

151986 10/0A

SOUTHWEST AIRLINES

Printed on:
18 JAN 19:07

526 OAK 9803 5803



SNA

33/33

OAK WN 2652 19 JAN 07:30

PC#
2 OF

DG
6 G

LOT WT
214 LB
(97.1 KG)

STN T DATE ETD LOT 01



S

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



Lead

Lab #: 499977		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C11W-DG-3 TO 3.5-DN-C11.4-VS-240118-L-LA		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-001		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-001 Analyte		Result	RL Units
Lead		70	0.50 ug/ft2
Field ID: ARCH-C12W-PS-3.5-240118-L-G		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-002		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-002 Analyte		Result	RL Units
Lead		22	0.50 ug/ft2
Field ID: ARCH-C12W-DG-4 TO 4.5-UP-C12.4-DG-240118-L-LA		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-003		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-003 Analyte		Result	RL Units
Lead		21	0.50 ug/ft2
Field ID: ARCH-C13W-DG-4 TO 4.5-240118-L-FB		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-004		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-004 Analyte		Result	RL Units
Lead		18	0.50 ug/ft2
Field ID: ARCH-C12W-INT-3.5 TO 4.5-240118-L-WF		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-005		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-005 Analyte		Result	RL Units
Lead		110	0.50 ug/ft2

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.



Lead

Lab #: 499977		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C12W-INT-3.5 TO 4.5-240118-L-DUP-WF		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-006		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-006 Analyte		Result	RL Units
Lead		74	0.50 ug/ft2
Field ID: ARCH-C12W-PS-4.5-240118-L-G		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-007		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-007 Analyte		Result	RL Units
Lead		35	0.50 ug/ft2
Field ID: ARCH-C13W-PS-4.5-240118-L-G		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-008		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-008 Analyte		Result	RL Units
Lead		9.5	0.50 ug/ft2
Field ID: ARCH-C12W-DG-5 TO 5.5-UP-C12.6-VS-240118-L-LA		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-009		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-009 Analyte		Result	RL Units
Lead		68	0.50 ug/ft2
Field ID: ARCH-C13W-INT-4.5 TO 5.5-240118-L-WF		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-010		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-010 Analyte		Result	RL Units
Lead		5.9	0.50 ug/ft2

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.



Lead

Lab #: 499977		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C11W-DG-5 TO 5.5-UP-C11.6-DG-240118-L-LA		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-011		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-011 Analyte		Result	RL Units
Lead		16	0.50 ug/ft2
Field ID: ARCH-C12W-DG-5 TO 5.5-240118-L-FB		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-012		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-012 Analyte		Result	RL Units
Lead		11	0.50 ug/ft2
Field ID: 240118-L-FIELDBLANK1-LO		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-013		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-013 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Field ID: 240118-L-MEDBLANK1-LO		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 499977-014		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
499977-014 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Type: BLANK		Batch#: 330937	Analysis: EPA 6010B
Lab ID: QC1121536		Prepared: 01/19/24	Analyst: KLN
Matrix: Wipe		Analyzed: 01/19/24	
Diln Fac: 1.000		Prep: EPA 3050B	
QC1121536 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

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.



Lead: Batch QC

Lab #: 499977		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Type: BS	Batch#: 330937	Analysis: EPA 6010B	
Lab ID: QC1121537	Prepared: 01/19/24	Analyst: KLN	
Matrix: Wipe	Analyzed: 01/19/24		
Diln Fac: 1.000	Prep: EPA 3050B		

QC1121537 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.00	106	80-120	ug/ft2

Type: BSD	Batch#: 330937	Analysis: EPA 6010B	
Lab ID: QC1121538	Prepared: 01/19/24	Analyst: KLN	
Matrix: Wipe	Analyzed: 01/19/24		
Diln Fac: 1.000	Prep: EPA 3050B		

QC1121538 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	52.99	106	80-120	ug/ft2	0	20

Legend
RPD: Relative Percent
Difference



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

enthalpy.com

Lab Job Number: 500180
Report Level: IV
Report Date: 01/26/2024

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 #: 500180 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 01/18/24
--	--

Sample ID	Lab ID	Collected	Matrix
ARCH-C12W-EXT-1 TO 2-240118-P-WF	500180-001	01/18/24 07:40	Wipe
ARCH-C13W-EXT-1 TO 2-240118-P-WF	500180-004	01/18/24 08:05	Wipe
ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-LA	500180-006	01/18/24 08:20	Wipe
ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-DUP-LA	500180-007	01/18/24 08:20	Wipe
ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-P-LA	500180-009	01/18/24 08:30	Wipe
ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-P-LA	500180-011	01/18/24 08:40	Wipe
ARCH-C13W-DG-2 TO 2.5-240118-P-FB	500180-013	01/18/24 08:50	Wipe
ARCH-C12W-DG-2.5 TO 3-240118-P-FB	500180-016	01/18/24 09:00	Wipe
ARCH-C13W-PS-2.5-240118-P-G	500180-018	01/18/24 09:10	Wipe
ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-P-LA	500180-020	01/18/24 09:20	Wipe
ARCH-C13W-INT-2.5 TO 3.5-240118-P-WF	500180-022	01/18/24 09:30	Wipe
240118-P-FIELDBLANK1-LO	500180-024	01/18/24 07:45	Wipe

Case Narrative

PCBS (EPA 8082)

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

Lab Job 500180
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 01/18/24

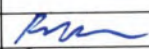
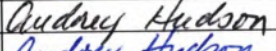
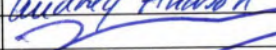
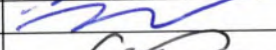
This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 01/19/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

500180

 ENTHALPY ANALYTICAL		Chain of Custody Record				Turn Around Time (rush by advanced notice only)									
		COC ID:				Standard:	X (PCBs)	5 Day:	3 Day:						
Page:		1	of	2	2 Day:		1 Day:	X (PB)	custom TAT						
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking 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 IV			Sample Receipt Temp: (lab use only)						
CUSTOMER INFORMATION		PROJECT INFORMATION				Analysis Request						Test Instructions / Comments			
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721			PCBs - EPA Method 3546/8082 Lead by EPA Method 3050M/5010B							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 6 Enclosure C/D (Low Occupancy)	
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP												
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491												
Address:	449 15th Street, Suite 303	P.O. #:													
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA												
Phone:	(651) 890-9556	Global ID:													
Fax:		Sampled By:	D. Welsh												
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.										
1	ARCH-C12W-EXT-1 TO 2-240118-P-WF	1/18/2024	0740	WP	1	--	X								
2	ARCH-C12W-EXT-1 TO 2-240118-L-WF	1/18/2024	0740	WP	1	--	X								
3	ARCH-C12W-EXT-1 TO 2-240118-L-DUP-WF	1/18/2024	0740	WP	1	--	X								
4	ARCH-C13W-EXT-1 TO 2-240118-P-WF	1/18/2024	0805	WP	1	--	X								
5	ARCH-C13W-EXT-1 TO 2-240118-L-WF	1/18/2024	0805	WP	1	--	X								
6	ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-LA	1/18/2024	0820	WP	1	--	X								
7	ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-DUP-LA	1/18/2024	0820	WP	1	--	X								
8	ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-L-LA	1/18/2024	0820	WP	1	--	X								
9	ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-P-LA	1/18/2024	0830	WP	1	--	X							1 x Rivet Type 2 = 9.273 cm ²	
10	ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-L-LA	1/18/2024	0830	WP	1	--	X							4 x Rivet Type 2 = 0.0400 ft ²	
11	ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-P-LA	1/18/2024	0840	WP	1	--	X							2 x Rivet Type 2 = 2.0200 ft ²	
12	ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-L-LA	1/18/2024	0840	WP	1	--	X								
13	ARCH-C13W-DG-2 TO 2.5-240118-P-FB	1/18/2024	0850	WP	1	--	X								
14	ARCH-C13W-DG-2 TO 2.5-240118-L-FB	1/18/2024	0850	WP	1	--	X								
15	ARCH-C13W-DG-2 TO 2.5-240118-L-DUP-FB	1/18/2024	0850	WP	1	--	X								
Signature		Print Name		Company / Title		Date / Time									
1 Relinquished By:		Donald Welsh		Rincon / Env. Scientist		1/18/24		1400							
1 Received By:		AUDREY HUDSON		ENTHALPY		1/18/24		14:00							
2 Relinquished By:		"		"		1/18/24		16:16							
2 Received By:		"		"		1/18/24		16:16							
3 Relinquished By:		G. Kim		EA		1/19/24		1053							
3 Received By:		G. Kim		EA		1/19/24		0930							

[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

Project: Hangar 1 NTCRA

Date Received: 01/19/24

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: 3-3 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

Section 3

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

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

Section 4

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

Section 5 Explanations/Comments

500180

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: JAN 19 2024

SOUTHWEST AIRLINES

Printed on:
18 JAN 19:07

526 OAK 9803 **5803** 

SNA 33/33	PC# 2 OF 6
	DG G
OAK WN 2652 19 JAN 07:30	LOT WT 214 LB (97.1 KG)
STN T	DATE ETD LOT 01


PC
132

S

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 500180	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C12W-EXT-1 TO 2-240118-P-WF	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-001	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/24/24	

500180-001 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

500180-001 Surrogate	%REC	Limits
TCMX (PCB)	70	19-121
Decachlorobiphenyl (PCB)	58	19-121

Field ID: ARCH-C13W-EXT-1 TO 2-240118-P-WF	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-004	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/24/24	

500180-004 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

500180-004 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 500180	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-LA	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-006	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/24/24	

500180-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
500180-006 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		57	19-121

Field ID: ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-DUP-LA	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-007	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/24/24	

500180-007 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
500180-007 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		54	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 500180	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-P-LA	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-009	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/25/24	

500180-009 Analyte	Result	RL	Units
Aroclor-1016	ND	0.46	ug/100 cm2
Aroclor-1221	ND	0.46	ug/100 cm2
Aroclor-1232	ND	0.46	ug/100 cm2
Aroclor-1242	ND	0.46	ug/100 cm2
Aroclor-1248	ND	0.46	ug/100 cm2
Aroclor-1254	ND	0.46	ug/100 cm2
Aroclor-1260	ND	0.46	ug/100 cm2
Aroclor-1262	ND	0.46	ug/100 cm2
Aroclor-1268	ND	0.46	ug/100 cm2
500180-009 Surrogate		%REC	Limits
TCMX (PCB)		74	19-121
Decachlorobiphenyl (PCB)		56	19-121

Field ID: ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-P-LA	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-011	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/25/24	

500180-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

500180-011 Surrogate	%REC	Limits
TCMX (PCB)	82	19-121
Decachlorobiphenyl (PCB)	63	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 500180	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C13W-DG-2 TO 2.5-240118-P-FB	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-013	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/25/24	

500180-013 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

500180-013 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	59	19-121

Field ID: ARCH-C12W-DG-2.5 TO 3-240118-P-FB	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-016	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/25/24	

500180-016 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

500180-016 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 500180	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C13W-PS-2.5-240118-P-G	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-018	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/25/24	

500180-018 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
500180-018 Surrogate		%REC	Limits
TCMX (PCB)		81	19-121
Decachlorobiphenyl (PCB)		58	19-121

Field ID: ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-P-LA	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-020	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/25/24	

500180-020 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
500180-020 Surrogate		%REC	Limits
TCMX (PCB)		77	19-121
Decachlorobiphenyl (PCB)		60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 500180	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C13W-INT-2.5 TO 3.5-240118-P-WF	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-022	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/25/24	

500180-022 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
500180-022 Surrogate		%REC	Limits
TCMX (PCB)		81	19-121
Decachlorobiphenyl (PCB)		64	19-121

Field ID: 240118-P-FIELDBLANK1-LO	Batch#: 330971	Prep: EPA 3546
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 8082
Lab ID: 500180-024	Received: 01/18/24	Analyst: TRN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/25/24	

500180-024 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
500180-024 Surrogate		%REC	Limits
TCMX (PCB)		74	19-121
Decachlorobiphenyl (PCB)		59	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 500180

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 330971

Analysis: EPA 8082

Lab ID: QC1121649

Prepared: 01/19/24

Analyst: TRN

Matrix: Wipe

Analyzed: 01/24/24

Diln Fac: 1.000

Prep: EPA 3546

QC1121649 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
QC1121649 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		61	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 500180

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 330971

Analysis: EPA 8082

Lab ID: QC1121650

Prepared: 01/19/24

Analyst: TRN

Matrix: Wipe

Analyzed: 01/24/24

Diln Fac: 1.000

Prep: EPA 3546

QC1121650 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.571	71	60-140	ug/100 cm2
Aroclor-1260	5.000	3.358	67	60-140	ug/100 cm2

QC1121650 Surrogate	%REC	Limits
TCMX (PCB)	69	19-121
Decachlorobiphenyl (PCB)	59	19-121

Type: BSD

Batch#: 330971

Analysis: EPA 8082

Lab ID: QC1121651

Prepared: 01/19/24

Analyst: TRN

Matrix: Wipe

Analyzed: 01/24/24

Diln Fac: 1.000

Prep: EPA 3546

QC1121651 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.398	68	60-140	ug/100 cm2	5	20
Aroclor-1260	5.000	3.272	65	60-140	ug/100 cm2	3	20

QC1121651 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	58	19-121

Legend

RPD: Relative Percent
Difference

Instrument: SVOA-GC06
 Calibration #: 454035180003
 Units: ug/L

Name: PCB_608_012424_2
 Date: 24-JAN-2024 15:22
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_012424021	454035180021		24-JAN-2024 15:42	S19330
L2	gc06_012424022	454035180022		24-JAN-2024 16:03	S19332
L3	gc06_012424023	454035180023		24-JAN-2024 16:23	S19333
L4	gc06_012424024	454035180024		24-JAN-2024 16:44	S19340
L5	gc06_012424025	454035180025		24-JAN-2024 17:05	S19335
L6	gc06_012424026	454035180026		24-JAN-2024 17:25	S19336
L7	gc06_012424027	454035180027		24-JAN-2024 17:46	S19337
L8	gc06_012424028	454035180028		24-JAN-2024 18:07	S19338
L9	gc06_012424029	454035180029		24-JAN-2024 18:27	S19339

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		48.6819		0.0205	5	8	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.3256		0.0411	11	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.5911		0.0538	9	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		25.2859		0.0395	9	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.1550		0.0332	8	7	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.1494		0.0707	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.38128		0.1066	12	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		8.63631		0.1158	15	7	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		15.7040		0.0637	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		12.9371		0.0773	14	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.66829		1.4964	13	9	.99	20	
TCMX (PCB)	A	AVRG		1.08540		0.9213	6	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		40.1120		0.0249	20	7	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		23.8939		0.0419	11	8	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		17.7023		0.0565	12	8	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.8711		0.0387	12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		28.6602		0.0349	12	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		18.5560		0.0539	13	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		16.0511		0.0623	18	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		13.0561		0.0766	17	8	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		22.5002		0.0444	14	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.7616		0.0677	15	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		1.12313		0.8904	16	9	.99	20	
TCMX (PCB)	B	AVRG		1.01392		0.9863	15	9	.99	20	

Instrument: SVOA-GC06
 Calibration #: 454035180003
 Units: ug/L

Name: PCB_608_012424_2
 Date: 24-JAN-2024 15:22
 X Axis: R

$Instrument\ amount = a0 + (response \times a1) + (response^2 \times a2)$

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		0.0200	0.0210	0.0206	0.0218	0.0219	0.0210	0.0189	0.0192
Aroclor-1016 Peak # 2	A	0.0495	0.0359	0.0400	0.0413	0.0440	0.0444	0.0413	0.0367	0.0370
Aroclor-1016 Peak # 3	A	0.0620	0.0468	0.0517	0.0547	0.0571	0.0580	0.0557	0.0479	0.0501
Aroclor-1016 Peak # 4	A	0.0466	0.0386	0.0368	0.0396	0.0414	0.0425	0.0403	0.0346	0.0355
Aroclor-1016 Peak # 5	A	0.0359	0.0289	0.0304	0.0330	0.0348	0.0358	0.0333		
Aroclor-1260 Peak # 1	A	0.0813	0.0605	0.0664	0.0730	0.0798	0.0790	0.0731	0.0607	0.0623
Aroclor-1260 Peak # 2	A	0.1216	0.0887	0.0991	0.1106	0.1205	0.1206	0.1111	0.0921	0.0951
Aroclor-1260 Peak # 3	A	0.1278	0.0838	0.1027	0.1179	0.1306	0.1285	0.1192		
Aroclor-1260 Peak # 4	A	0.0616	0.0487	0.0552	0.0696	0.0739	0.0757	0.0702	0.0579	0.0604
Aroclor-1260 Peak # 5	A	0.0744	0.0611	0.0682	0.0825	0.0890	0.0950	0.0828	0.0712	0.0713
Decachlorobiphenyl (PCB)	A	1.6758	1.2599	1.3025	1.5722	1.7199	1.7235	1.5920	1.2856	1.3359
TCMX (PCB)	A	0.9602	0.8156	0.8655	0.9146	0.9273	0.9808	0.9559	0.9179	0.9541
Aroclor-1016 Peak # 1	B	0.0352	0.0265	0.0254	0.0216	0.0231	0.0224	0.0203		
Aroclor-1016 Peak # 2	B		0.0463	0.0444	0.0429	0.0458	0.0448	0.0405	0.0357	0.0345
Aroclor-1016 Peak # 3	B		0.0666	0.0589	0.0563	0.0622	0.0596	0.0547	0.0473	0.0463
Aroclor-1016 Peak # 4	B	0.0457	0.0360	0.0383	0.0400	0.0423	0.0422	0.0384	0.0330	0.0320
Aroclor-1016 Peak # 5	B		0.0382	0.0361	0.0362	0.0386	0.0382	0.0345	0.0293	0.0280
Aroclor-1260 Peak # 1	B		0.0587	0.0554	0.0560	0.0625	0.0589	0.0526	0.0437	0.0432
Aroclor-1260 Peak # 2	B	0.0852	0.0597	0.0591	0.0628	0.0715	0.0660	0.0592	0.0490	0.0483
Aroclor-1260 Peak # 3	B	0.1023	0.0638	0.0710	0.0765	0.0841	0.0812	0.0731	0.0608	
Aroclor-1260 Peak # 4	B	0.0524	0.0389	0.0421	0.0472	0.0511	0.0500	0.0449	0.0372	0.0361
Aroclor-1260 Peak # 5	B	0.0865	0.0607	0.0623	0.0701	0.0757	0.0757	0.0678	0.0549	0.0560
Decachlorobiphenyl (PCB)	B	1.1522	0.7557	0.8118	0.9269	1.0024	0.9984	0.9091	0.7259	0.7310
TCMX (PCB)	B	1.3492	1.0226	0.9936	0.9322	0.9755	0.9651	0.9064	0.8587	0.8731

Instrument: SVOA-GC06
 Calibration #: 454035180003
 Units: ug/L

Name: PCB_608_012424_2
 Date: 24-JAN-2024 15:22
 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			50.000	-3	100.00	2	500.00	0	250.00	6	750.00	7	1000.0	2	1500.0	-8
Aroclor-1016 Peak # 2	A	20.000	20	50.000	-13	100.00	-3	500.00	0	250.00	7	750.00	8	1000.0	0	1500.0	-11
Aroclor-1016 Peak # 3	A	20.000	15	50.000	-13	100.00	-4	500.00	2	250.00	6	750.00	8	1000.0	4	1500.0	-11
Aroclor-1016 Peak # 4	A	20.000	18	50.000	-2	100.00	-7	500.00	0	250.00	5	750.00	8	1000.0	2	1500.0	-12
Aroclor-1016 Peak # 5	A	20.000	8	50.000	-13	100.00	-8	500.00	0	250.00	5	750.00	8	1000.0	0		
Aroclor-1260 Peak # 1	A	20.000	15	50.000	-14	100.00	-6	500.00	3	250.00	13	750.00	12	1000.0	3	1500.0	-14
Aroclor-1260 Peak # 2	A	20.000	14	50.000	-17	100.00	-7	500.00	4	250.00	13	750.00	13	1000.0	4	1500.0	-14
Aroclor-1260 Peak # 3	A	20.000	10	50.000	-28	100.00	-11	500.00	2	250.00	13	750.00	11	1000.0	3		
Aroclor-1260 Peak # 4	A	20.000	-3	50.000	-24	100.00	-13	500.00	9	250.00	16	750.00	19	1000.0	10	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	-4	50.000	-21	100.00	-12	500.00	7	250.00	15	750.00	23	1000.0	7	1500.0	-8
Decachlorobiphenyl (PCB)	A	1.6000	12	4.0000	-16	8.0000	-13	40.000	5	20.000	15	60.000	15	80.000	6	120.00	-14
TCMX (PCB)	A	1.6000	4	4.0000	-11	8.0000	-6	40.000	-1	20.000	1	60.000	6	80.000	4	120.00	0
Aroclor-1016 Peak # 1	B	20.000	41	50.000	6	100.00	2	500.00	-13	250.00	-7	750.00	-10	1000.0	-19		
Aroclor-1016 Peak # 2	B			50.000	11	100.00	6	500.00	3	250.00	9	750.00	7	1000.0	-3	1500.0	-15
Aroclor-1016 Peak # 3	B			50.000	18	100.00	4	500.00	0	250.00	10	750.00	6	1000.0	-3	1500.0	-16
Aroclor-1016 Peak # 4	B	20.000	18	50.000	-7	100.00	-1	500.00	3	250.00	9	750.00	9	1000.0	-1	1500.0	-15
Aroclor-1016 Peak # 5	B			50.000	9	100.00	3	500.00	4	250.00	11	750.00	9	1000.0	-1	1500.0	-16
Aroclor-1260 Peak # 1	B			50.000	9	100.00	3	500.00	4	250.00	16	750.00	9	1000.0	-2	1500.0	-19
Aroclor-1260 Peak # 2	B	20.000	37	50.000	-4	100.00	-5	500.00	1	250.00	15	750.00	6	1000.0	-5	1500.0	-21
Aroclor-1260 Peak # 3	B	20.000	34	50.000	-17	100.00	-7	500.00	0	250.00	10	750.00	6	1000.0	-5	1500.0	-21
Aroclor-1260 Peak # 4	B	20.000	18	50.000	-13	100.00	-5	500.00	6	250.00	15	750.00	12	1000.0	1	1500.0	-16
Aroclor-1260 Peak # 5	B	20.000	28	50.000	-10	100.00	-8	500.00	4	250.00	12	750.00	12	1000.0	0	1500.0	-19
Decachlorobiphenyl (PCB)	B	1.6000	29	4.0000	-15	8.0000	-9	40.000	4	20.000	13	60.000	12	80.000	2	120.00	-18
TCMX (PCB)	B	1.6000	37	4.0000	4	8.0000	1	40.000	-5	20.000	-1	60.000	-2	80.000	-8	120.00	-13

Instrument: SVOA-GC06
 Calibration #: 454035180003
 Units: ug/L

Name: PCB_608_012424_2
 Date: 24-JAN-2024 15:22
 X Axis: R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-6
Aroclor-1016 Peak # 2	A	2000.0	-10
Aroclor-1016 Peak # 3	A	2000.0	-7
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A		
Aroclor-1260 Peak # 1	A	2000.0	-12
Aroclor-1260 Peak # 2	A	2000.0	-11
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A	2000.0	-5
Aroclor-1260 Peak # 5	A	2000.0	-8
Decachlorobiphenyl (PCB)	A	160.00	-11
TCMX (PCB)	A	160.00	4
Aroclor-1016 Peak # 1	B		
Aroclor-1016 Peak # 2	B	2000.0	-18
Aroclor-1016 Peak # 3	B	2000.0	-18
Aroclor-1016 Peak # 4	B	2000.0	-17
Aroclor-1016 Peak # 5	B	2000.0	-20
Aroclor-1260 Peak # 1	B	2000.0	-20
Aroclor-1260 Peak # 2	B	2000.0	-23
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B	2000.0	-19
Aroclor-1260 Peak # 5	B	2000.0	-17
Decachlorobiphenyl (PCB)	B	160.00	-18
TCMX (PCB)	B	160.00	-11

TRN 01/25/24 : Manually integrated for coeluting peak, negative/tailing peak, and automatic draw baseline for one/both columns on multiple levels

Analyst: TRN 01/25/24

Reviewer: MTS 01/25/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 500180 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	Name: PCB_608_012424_2
Calnum: 454035180003	Cal Date: 24-JAN-2024

• ICV 454035180032 (gc06_012424032 24-JAN-2024) stds: S19341

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	540.8	ug/L	8	15	
Aroclor-1260	A	500.0	557.8	ug/L	12	15	
Aroclor-1016	B	500.0	526.8	ug/L	5	15	
Aroclor-1260	B	500.0	536.5	ug/L	7	15	

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Analyst: TRN 01/25/24

Reviewer: MTS 01/25/24

ENTHALPY CONTINUING CALIBRATION FOR 500180 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_012424032	IDF: 1.0
Seqnum: 454035180032	Caldate: 24-JAN-2024	Time: 24-JAN-2024 19:29
Cal: 454035180003		

Standards: S19341

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	540.8	ug/L	8	15	15	0.0000	
Aroclor-1260	A			500.0	557.8	ug/L	12	15	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4964	2.3055	20.00	30.81	ug/L	54	15	15	0.0000	c+
TCMX (PCB)	A	0.9213	1.2189	20.00	26.46	ug/L	32	15	15	0.0000	c+
Aroclor-1016	B			500.0	526.8	ug/L	5	15	15	0.0000	
Aroclor-1260	B			500.0	536.5	ug/L	7	15	15	0.0000	
Decachlorobiphenyl (PCB)	B	0.8904	1.3412	20.00	30.13	ug/L	51	15	15	0.0000	c+
TCMX (PCB)	B	0.9863	1.2451	20.00	25.25	ug/L	26	15	15	0.0000	c+

ISTD (ICAL gc06_012424022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8860520	12103468	36.60
1-bromo-2-nitrobenzene (PCB)	A	1972855	2388025	21.04

01/24/24 : 500 PPB PCB ICV

TRN 01/24/24 : Manually integrated for baseline

+=high bias c=CCV

Analyst: TRN 01/25/24

Reviewer: MTS 01/25/24

Date: 01/24/24		Reference: gc06_012424022		
Sequence: SVOA-GC06 gc06_012424		Analyzed: 01/24/24 16:03		
#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8860520	1972855
		LOWER LIMIT	4430260	986428
		UPPER LIMIT	17721040	3945711
032	ICV/CCV		12103468	2388025

Date: 01/24/24
Sequence: SVOA-GC06 gc06_012424

Reference: gc06_012424032
Analyzed: 01/24/24 19:29

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV	12103468	2388025
		STD		
		LOWER LIMIT	6051734	1194013
		UPPER LIMIT	24206936	4776050
041	BLANK	QC1121649	15382340	2688368
042	BS	QC1121650	17790308	3209035
043	BSD	QC1121651	17124950	3010801
044	SAMPLE	500180-001	16650085	2852824
045	SAMPLE	500180-004	22769256	3976448
046	SAMPLE	500180-006	19330974	3196379
047	SAMPLE	500180-007	23491286	3815411
048	SAMPLE	500180-009	16812799	2776370
049	SAMPLE	500180-011	20443575	3349138
050	SAMPLE	500180-013	15515777	2589491
051	SAMPLE	500180-016	16145260	2807244
052	SAMPLE	500180-018	15567594	2514859
053	SAMPLE	500180-020	14278250	2579055
054	SAMPLE	500180-022	15596992	2820112
055	SAMPLE	500180-024	15681880	2509547

Date: 01/24/24
Sequence: SVOA-GC06 gc06_012424

Reference: gc06_012424032
Analyzed: 01/24/24 19:29

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.28	4.10
		LOWER LIMIT	4.08	3.90
		UPPER LIMIT	4.48	4.30
041	BLANK	QC1121649	4.28	4.10
042	BS	QC1121650	4.28	4.10
043	BSD	QC1121651	4.28	4.10
044	SAMPLE	500180-001	4.28	4.10
045	SAMPLE	500180-004	4.28	4.10
046	SAMPLE	500180-006	4.28	4.10
047	SAMPLE	500180-007	4.28	4.09
048	SAMPLE	500180-009	4.28	4.09
049	SAMPLE	500180-011	4.28	4.09
050	SAMPLE	500180-013	4.28	4.10
051	SAMPLE	500180-016	4.28	4.09
052	SAMPLE	500180-018	4.28	4.09
053	SAMPLE	500180-020	4.28	4.09
054	SAMPLE	500180-022	4.28	4.09
055	SAMPLE	500180-024	4.28	4.09

Instrument: SVOA-GC06

Begun: 01/24/24 10:20

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
005	gc06_012424005	PEM				01/24/24 10:20	1.0	1	
006	gc06_012424006	CCV				01/24/24 10:41	1.0	2	
007	gc06_012424007	CCV				01/24/24 11:01	1.0	3	
009	gc06_012424009	ICAL				01/24/24 11:39	1.0	4	
010	gc06_012424010	ICAL				01/24/24 11:59	1.0	5	
011	gc06_012424011	ICAL				01/24/24 12:19	1.0	6	
012	gc06_012424012	ICAL				01/24/24 12:39	1.0	7	
013	gc06_012424013	ICAL				01/24/24 13:00	1.0	8	
014	gc06_012424014	ICAL				01/24/24 13:20	1.0	9	
015	gc06_012424015	ICAL				01/24/24 13:40	1.0	10	
016	gc06_012424016	ICAL				01/24/24 13:59	1.0	11	
018	gc06_012424018	XICV				01/24/24 14:40	1.0	12	
020	gc06_012424020	ICAL				01/24/24 15:22	1.0	13	
021	gc06_012424021	ICAL				01/24/24 15:42	1.0	14	
022	gc06_012424022	ICAL				01/24/24 16:03	1.0	15	
023	gc06_012424023	ICAL				01/24/24 16:23	1.0	16	
024	gc06_012424024	ICAL				01/24/24 16:44	1.0	17	
025	gc06_012424025	ICAL				01/24/24 17:05	1.0	18	
026	gc06_012424026	ICAL				01/24/24 17:25	1.0	19	
027	gc06_012424027	ICAL				01/24/24 17:46	1.0	20	
028	gc06_012424028	ICAL				01/24/24 18:07	1.0	21	
029	gc06_012424029	ICAL				01/24/24 18:27	1.0	22	
031	gc06_012424031	ICV				01/24/24 19:09	1.0	12	
032	gc06_012424032	ICV/CCV				01/24/24 19:29	1.0	23	
041	gc06_012424041	BLANK	QC1121649	Wipe	330971	01/24/24 21:49	1.0	24	
042	gc06_012424042	BS	QC1121650	Wipe	330971	01/24/24 22:09	1.0	24	
043	gc06_012424043	BSD	QC1121651	Wipe	330971	01/24/24 22:30	1.0	24	
044	gc06_012424044	SAMPLE	500180-001	Wipe	330971	01/24/24 22:51	1.0	24	
045	gc06_012424045	SAMPLE	500180-004	Wipe	330971	01/24/24 23:12	1.0	24	
046	gc06_012424046	SAMPLE	500180-006	Wipe	330971	01/24/24 23:32	1.0	24	
047	gc06_012424047	SAMPLE	500180-007	Wipe	330971	01/24/24 23:52	1.0	24	
048	gc06_012424048	SAMPLE	500180-009	Wipe	330971	01/25/24 00:12	1.0	24	
049	gc06_012424049	SAMPLE	500180-011	Wipe	330971	01/25/24 00:32	1.0	24	
050	gc06_012424050	SAMPLE	500180-013	Wipe	330971	01/25/24 00:52	1.0	24	
051	gc06_012424051	SAMPLE	500180-016	Wipe	330971	01/25/24 01:12	1.0	24	
052	gc06_012424052	SAMPLE	500180-018	Wipe	330971	01/25/24 01:32	1.0	24	
053	gc06_012424053	SAMPLE	500180-020	Wipe	330971	01/25/24 01:52	1.0	24	
054	gc06_012424054	SAMPLE	500180-022	Wipe	330971	01/25/24 02:11	1.0	24	
055	gc06_012424055	SAMPLE	500180-024	Wipe	330971	01/25/24 02:31	1.0	24	

TRN 01/24/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 5 through 32.

MES 01/25/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 41 through 55.

Standards Used:

1=S18897 2=S19020 3=S19824 4=S19008 5=S19009 6=S19010 7=S19011 8=S19013 9=S19014 10=S19015 11=S19016 12=S19019 13=S19328 14=S19330 15=S19332
16=S19333 17=S19340 18=S19335 19=S19336 20=S19337 21=S19338 22=S19339 23=S19341 24=S19190

SAMPLE PREPARATION SUMMARY

Batch #: 330971
Started By: JAM

Method: 3546
Prep Date: 19-JAN-2024 17:06

Analysis: 8080
Finished By: JAM

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S19800	Spike S19663	Analysis
500180-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
500180-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
500180-006	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
500180-007	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
500180-009	Wipe	1.09273 dm2	10 mL	9.151		.5 mL		PCB-MICROWAVE
500180-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
500180-013	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
500180-016	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
500180-018	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
500180-020	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
500180-022	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
500180-024	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
QC1121649 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1121650 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1121651 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080

Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: wipe Date/Time: 11/19/24 17:06 Initials: JAM

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

Hotblock Temp (Obs/Corr), °C: N/A /

Balance ID: N/A Microdispenser ID: Syringe

Extraction Start Time*: 17:40 Extraction end time*: 18:25
* For hot block, microwave, cholesteryl

608.3 QC Batch#:

8081 QC Batch #:

8082 QC Batch #: 330971

* For hot block, microwave, shaker table

[illegible]Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 519662

Acetone-Hexane Mix ID:

Sodium Sulfate Lot: 225342

Baked Sand Lot: *N/A*

Surrogate ID: S19800 A Volume: 500 μL

Pest LCS Spike ID: _____ Volume: _____ μ L

PCB LCS Spike ID: 519663 A Volume: 500 μ L

Pest MS/MSD Spike ID: _____ Volume: _____ μ L

PCB MS/MSD Spike ID: _____ Volume: _____ μ L

REPORTING SUMMARY FOR 500180 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
500180-001	Aroclor-1016	SVOA-GC06	B	01/24/24 22:51
500180-001	Aroclor-1221	SVOA-GC06	B	01/24/24 22:51
500180-001	Aroclor-1232	SVOA-GC06	B	01/24/24 22:51
500180-001	Aroclor-1242	SVOA-GC06	B	01/24/24 22:51
500180-001	Aroclor-1248	SVOA-GC06	B	01/24/24 22:51
500180-001	Aroclor-1254	SVOA-GC06	B	01/24/24 22:51
500180-001	Aroclor-1260	SVOA-GC06	B	01/24/24 22:51
500180-001	Aroclor-1262	SVOA-GC06	B	01/24/24 22:51
500180-001	Aroclor-1268	SVOA-GC06	B	01/24/24 22:51
500180-001	TCMX (PCB)	SVOA-GC06	B	01/24/24 22:51
500180-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/24/24 22:51
500180-004	Aroclor-1016	SVOA-GC06	B	01/24/24 23:12
500180-004	Aroclor-1221	SVOA-GC06	B	01/24/24 23:12
500180-004	Aroclor-1232	SVOA-GC06	B	01/24/24 23:12
500180-004	Aroclor-1242	SVOA-GC06	B	01/24/24 23:12
500180-004	Aroclor-1248	SVOA-GC06	B	01/24/24 23:12
500180-004	Aroclor-1254	SVOA-GC06	B	01/24/24 23:12
500180-004	Aroclor-1260	SVOA-GC06	B	01/24/24 23:12
500180-004	Aroclor-1262	SVOA-GC06	B	01/24/24 23:12
500180-004	Aroclor-1268	SVOA-GC06	B	01/24/24 23:12
500180-004	TCMX (PCB)	SVOA-GC06	B	01/24/24 23:12
500180-004	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/24/24 23:12
500180-006	Aroclor-1016	SVOA-GC06	B	01/24/24 23:32
500180-006	Aroclor-1221	SVOA-GC06	B	01/24/24 23:32
500180-006	Aroclor-1232	SVOA-GC06	B	01/24/24 23:32
500180-006	Aroclor-1242	SVOA-GC06	B	01/24/24 23:32
500180-006	Aroclor-1248	SVOA-GC06	B	01/24/24 23:32
500180-006	Aroclor-1254	SVOA-GC06	B	01/24/24 23:32
500180-006	Aroclor-1260	SVOA-GC06	B	01/24/24 23:32
500180-006	Aroclor-1262	SVOA-GC06	B	01/24/24 23:32
500180-006	Aroclor-1268	SVOA-GC06	B	01/24/24 23:32

REPORTING SUMMARY FOR 500180 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
500180-006	TCMX (PCB)	SVOA-GC06	B	01/24/24 23:32
500180-006	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/24/24 23:32
500180-007	Aroclor-1016	SVOA-GC06	B	01/24/24 23:52
500180-007	Aroclor-1221	SVOA-GC06	B	01/24/24 23:52
500180-007	Aroclor-1232	SVOA-GC06	B	01/24/24 23:52
500180-007	Aroclor-1242	SVOA-GC06	B	01/24/24 23:52
500180-007	Aroclor-1248	SVOA-GC06	B	01/24/24 23:52
500180-007	Aroclor-1254	SVOA-GC06	B	01/24/24 23:52
500180-007	Aroclor-1260	SVOA-GC06	B	01/24/24 23:52
500180-007	Aroclor-1262	SVOA-GC06	B	01/24/24 23:52
500180-007	Aroclor-1268	SVOA-GC06	B	01/24/24 23:52
500180-007	TCMX (PCB)	SVOA-GC06	B	01/24/24 23:52
500180-007	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/24/24 23:52
500180-009	Aroclor-1016	SVOA-GC06	B	01/25/24 00:12
500180-009	Aroclor-1221	SVOA-GC06	B	01/25/24 00:12
500180-009	Aroclor-1232	SVOA-GC06	B	01/25/24 00:12
500180-009	Aroclor-1242	SVOA-GC06	B	01/25/24 00:12
500180-009	Aroclor-1248	SVOA-GC06	B	01/25/24 00:12
500180-009	Aroclor-1254	SVOA-GC06	B	01/25/24 00:12
500180-009	Aroclor-1260	SVOA-GC06	B	01/25/24 00:12
500180-009	Aroclor-1262	SVOA-GC06	B	01/25/24 00:12
500180-009	Aroclor-1268	SVOA-GC06	B	01/25/24 00:12
500180-009	TCMX (PCB)	SVOA-GC06	B	01/25/24 00:12
500180-009	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/25/24 00:12
500180-011	Aroclor-1016	SVOA-GC06	B	01/25/24 00:32
500180-011	Aroclor-1221	SVOA-GC06	B	01/25/24 00:32
500180-011	Aroclor-1232	SVOA-GC06	B	01/25/24 00:32
500180-011	Aroclor-1242	SVOA-GC06	B	01/25/24 00:32
500180-011	Aroclor-1248	SVOA-GC06	B	01/25/24 00:32
500180-011	Aroclor-1254	SVOA-GC06	B	01/25/24 00:32

REPORTING SUMMARY FOR 500180 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
500180-011	Aroclor-1260	SVOA-GC06	B	01/25/24 00:32
500180-011	Aroclor-1262	SVOA-GC06	B	01/25/24 00:32
500180-011	Aroclor-1268	SVOA-GC06	B	01/25/24 00:32
500180-011	TCMX (PCB)	SVOA-GC06	B	01/25/24 00:32
500180-011	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/25/24 00:32
500180-013	Aroclor-1016	SVOA-GC06	B	01/25/24 00:52
500180-013	Aroclor-1221	SVOA-GC06	B	01/25/24 00:52
500180-013	Aroclor-1232	SVOA-GC06	B	01/25/24 00:52
500180-013	Aroclor-1242	SVOA-GC06	B	01/25/24 00:52
500180-013	Aroclor-1248	SVOA-GC06	B	01/25/24 00:52
500180-013	Aroclor-1254	SVOA-GC06	B	01/25/24 00:52
500180-013	Aroclor-1260	SVOA-GC06	B	01/25/24 00:52
500180-013	Aroclor-1262	SVOA-GC06	B	01/25/24 00:52
500180-013	Aroclor-1268	SVOA-GC06	B	01/25/24 00:52
500180-013	TCMX (PCB)	SVOA-GC06	B	01/25/24 00:52
500180-013	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/25/24 00:52
500180-016	Aroclor-1016	SVOA-GC06	B	01/25/24 01:12
500180-016	Aroclor-1221	SVOA-GC06	B	01/25/24 01:12
500180-016	Aroclor-1232	SVOA-GC06	B	01/25/24 01:12
500180-016	Aroclor-1242	SVOA-GC06	B	01/25/24 01:12
500180-016	Aroclor-1248	SVOA-GC06	B	01/25/24 01:12
500180-016	Aroclor-1254	SVOA-GC06	B	01/25/24 01:12
500180-016	Aroclor-1260	SVOA-GC06	B	01/25/24 01:12
500180-016	Aroclor-1262	SVOA-GC06	B	01/25/24 01:12
500180-016	Aroclor-1268	SVOA-GC06	B	01/25/24 01:12
500180-016	TCMX (PCB)	SVOA-GC06	B	01/25/24 01:12
500180-016	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/25/24 01:12
500180-018	Aroclor-1016	SVOA-GC06	B	01/25/24 01:32
500180-018	Aroclor-1221	SVOA-GC06	B	01/25/24 01:32
500180-018	Aroclor-1232	SVOA-GC06	B	01/25/24 01:32

REPORTING SUMMARY FOR 500180 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
500180-018	Aroclor-1242	SVOA-GC06	B	01/25/24 01:32
500180-018	Aroclor-1248	SVOA-GC06	B	01/25/24 01:32
500180-018	Aroclor-1254	SVOA-GC06	B	01/25/24 01:32
500180-018	Aroclor-1260	SVOA-GC06	B	01/25/24 01:32
500180-018	Aroclor-1262	SVOA-GC06	B	01/25/24 01:32
500180-018	Aroclor-1268	SVOA-GC06	B	01/25/24 01:32
500180-018	TCMX (PCB)	SVOA-GC06	B	01/25/24 01:32
500180-018	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/25/24 01:32
500180-020	Aroclor-1016	SVOA-GC06	B	01/25/24 01:52
500180-020	Aroclor-1221	SVOA-GC06	B	01/25/24 01:52
500180-020	Aroclor-1232	SVOA-GC06	B	01/25/24 01:52
500180-020	Aroclor-1242	SVOA-GC06	B	01/25/24 01:52
500180-020	Aroclor-1248	SVOA-GC06	B	01/25/24 01:52
500180-020	Aroclor-1254	SVOA-GC06	B	01/25/24 01:52
500180-020	Aroclor-1260	SVOA-GC06	B	01/25/24 01:52
500180-020	Aroclor-1262	SVOA-GC06	B	01/25/24 01:52
500180-020	Aroclor-1268	SVOA-GC06	B	01/25/24 01:52
500180-020	TCMX (PCB)	SVOA-GC06	B	01/25/24 01:52
500180-020	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/25/24 01:52
500180-022	Aroclor-1016	SVOA-GC06	B	01/25/24 02:11
500180-022	Aroclor-1221	SVOA-GC06	B	01/25/24 02:11
500180-022	Aroclor-1232	SVOA-GC06	B	01/25/24 02:11
500180-022	Aroclor-1242	SVOA-GC06	B	01/25/24 02:11
500180-022	Aroclor-1248	SVOA-GC06	B	01/25/24 02:11
500180-022	Aroclor-1254	SVOA-GC06	B	01/25/24 02:11
500180-022	Aroclor-1260	SVOA-GC06	B	01/25/24 02:11
500180-022	Aroclor-1262	SVOA-GC06	B	01/25/24 02:11
500180-022	Aroclor-1268	SVOA-GC06	B	01/25/24 02:11
500180-022	TCMX (PCB)	SVOA-GC06	B	01/25/24 02:11
500180-022	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/25/24 02:11

REPORTING SUMMARY FOR 500180 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
500180-024	Aroclor-1016	SVOA-GC06	B	01/25/24 02:31
500180-024	Aroclor-1221	SVOA-GC06	B	01/25/24 02:31
500180-024	Aroclor-1232	SVOA-GC06	B	01/25/24 02:31
500180-024	Aroclor-1242	SVOA-GC06	B	01/25/24 02:31
500180-024	Aroclor-1248	SVOA-GC06	B	01/25/24 02:31
500180-024	Aroclor-1254	SVOA-GC06	B	01/25/24 02:31
500180-024	Aroclor-1260	SVOA-GC06	B	01/25/24 02:31
500180-024	Aroclor-1262	SVOA-GC06	B	01/25/24 02:31
500180-024	Aroclor-1268	SVOA-GC06	B	01/25/24 02:31
500180-024	TCMX (PCB)	SVOA-GC06	B	01/25/24 02:31
500180-024	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/25/24 02:31
QC1121649	Aroclor-1016	SVOA-GC06	B	01/24/24 21:49
QC1121649	Aroclor-1221	SVOA-GC06	B	01/24/24 21:49
QC1121649	Aroclor-1232	SVOA-GC06	B	01/24/24 21:49
QC1121649	Aroclor-1242	SVOA-GC06	B	01/24/24 21:49
QC1121649	Aroclor-1248	SVOA-GC06	B	01/24/24 21:49
QC1121649	Aroclor-1254	SVOA-GC06	B	01/24/24 21:49
QC1121649	Aroclor-1260	SVOA-GC06	B	01/24/24 21:49
QC1121649	Aroclor-1262	SVOA-GC06	B	01/24/24 21:49
QC1121649	Aroclor-1268	SVOA-GC06	B	01/24/24 21:49
QC1121649	TCMX (PCB)	SVOA-GC06	B	01/24/24 21:49
QC1121649	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/24/24 21:49
QC1121650	Aroclor-1016	SVOA-GC06	B	01/24/24 22:09
QC1121650	Aroclor-1260	SVOA-GC06	B	01/24/24 22:09
QC1121650	TCMX (PCB)	SVOA-GC06	B	01/24/24 22:09
QC1121650	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/24/24 22:09
QC1121651	Aroclor-1016	SVOA-GC06	B	01/24/24 22:30
QC1121651	Aroclor-1260	SVOA-GC06	B	01/24/24 22:30
QC1121651	TCMX (PCB)	SVOA-GC06	B	01/24/24 22:30
QC1121651	Decachlorobiphenyl (PCB)	SVOA-GC06	B	01/24/24 22:30

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-001	Client ID: ARCH-C12W-EXT-1 TO 2-240118-P-WF
Seqnum: 454035180044	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424044	Batch: 330971	Time: 24-JAN-2024 22:51
Cal: 454035180003	Caldate: 24-JAN-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	15.27	ND	0.83	138%	0.50		u
Aroclor-1016 Peak # 1	B	44.39	0.44	2.57	141%			
Aroclor-1016 Peak # 2	B	4.155	0.04	0.22	137%			
Aroclor-1016 Peak # 3	B	15.08	0.15	1.31	159%			
Aroclor-1016 Peak # 4	B	8.662	0.09	0.03	110%			
Aroclor-1016 Peak # 5	B	4.083	0.04	0.01	132%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	32.52	ND	1.1	110%	0.50		u
Aroclor-1260 Peak # 1	B	9.071	0.09	3.08	189%			
Aroclor-1260 Peak # 2	B	4.266	0.04	0.02	59%			
Aroclor-1260 Peak # 3	B	1.163	0.01	0.09	156%			
Aroclor-1260 Peak # 4	B	143.7	1.44	2.01	33%			
Aroclor-1260 Peak # 5	B	4.376	0.04	0.36	157%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.02	0.5000	0.3502	70	19-121	c+ u
Decachlorobiphenyl (PCB)	B	28.89	0.5000	0.2889	58	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	16650085	37.56
1-bromo-2-nitrobenzene (PCB)	A	2388025	2852824	19.46

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.10	0.00

01/25/24 : WIPE/1S-10ML

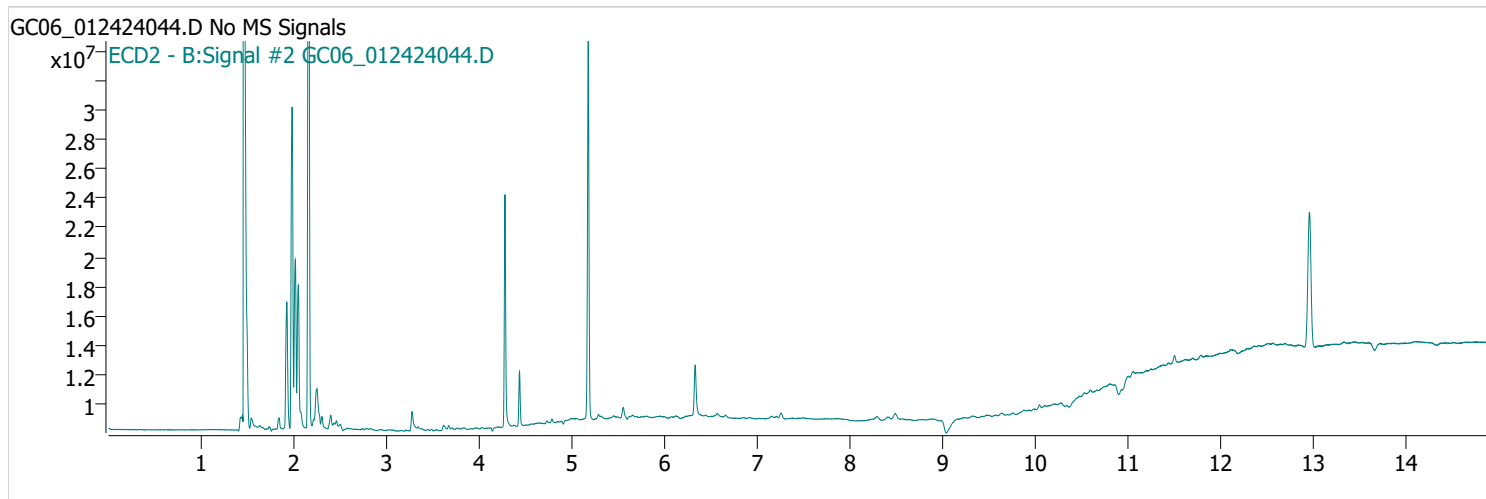
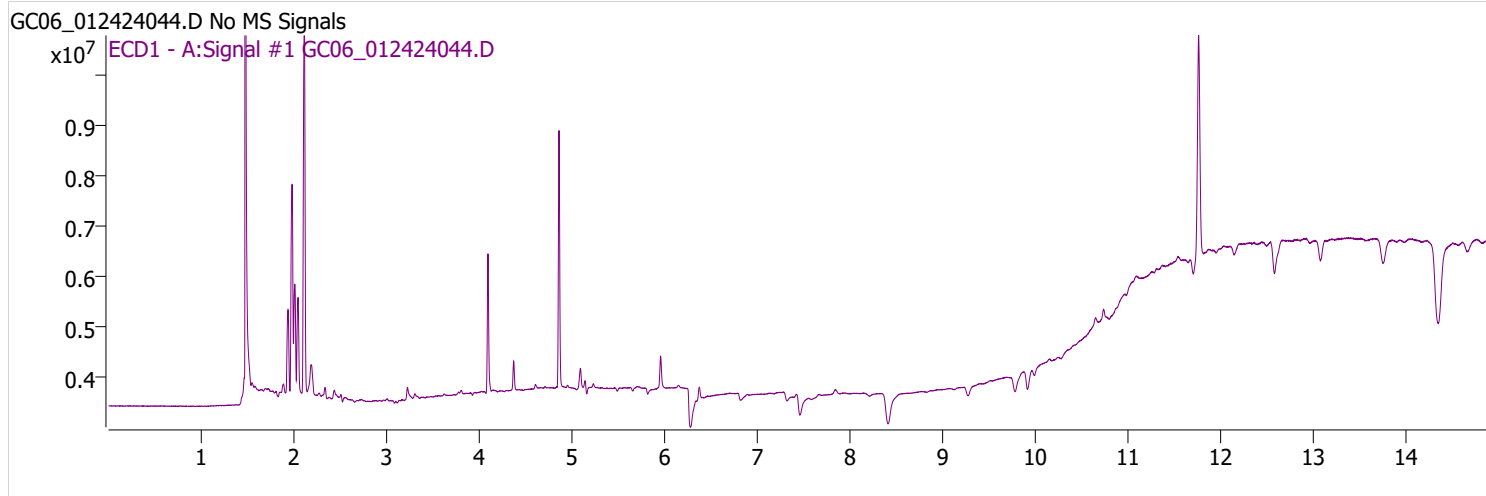
+ = high bias c = CCV u = use

Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_012424044.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 10:51:29 PM
Sample Name	500180-001, 330971, 1	Instrument	SVOA-GC06
Vial	34	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.097	0.0	2852824.35 3	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.280	0.0	16650084.8 32	20.0000	ng/ml	-0.004
System Monitoring Compounds						
S TCMX (PCB)	4.863	0.0	5109269.17 6	38.8779	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.39%	*	
S TCMX (PCB) #2	5.179	0.0	28753561.0 83	35.0195	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 175.10%	*	
S Decachlorobiphenyl (PCB)	11.770	0.0	9277820.59 0	43.4675	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.34%	*	
S Decachlorobiphenyl (PCB) #2	12.966	0.0	21416794.7 71	28.8935	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.47%		

Target Compounds

GC06_012424044.D

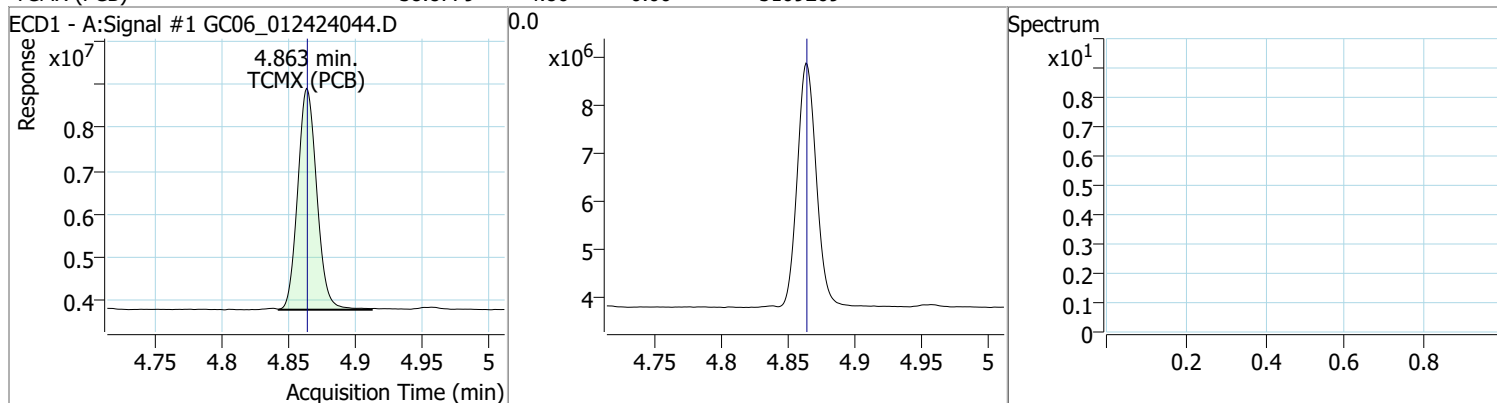
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.235	0.0	752437.316	256.7984	ng/ml	100
T AR1016 2	5.458	0.0	131034.079	22.3462	ng/ml	100
T AR1016 1 #2	5.661	0.0	921384.538	44.3945	ng/ml	100
T AR1016 3	5.961	0.0	1002658.408	130.6811	ng/ml	100
T AR1016 2 #2	6.072	0.0	144776.808	4.1553	ng/ml	100
T AR1016 4	6.113	0.0	14185.003	2.5146	ng/ml	100
T AR1016 5	6.414	0.0	3966.207	0.8385	ng/ml	100
T AR1016 3 #2	6.574	0.0	709096.474	15.0782	ng/ml	100
T AR1016 4 #2	6.661	0.0	278722.042	8.6616	ng/ml	100
T AR1016 5 #2	7.387	0.0	118604.232	4.0831	ng/ml	100
T AR1260 1	8.344	0.0	3103060.583	307.8095	ng/ml	100
T AR1260 2	8.878	0.0	35492.760	2.3343	ng/ml	100
T AR1260 3	9.240	0.0	156171.124	9.4555	ng/ml	100
T AR1260 1 #2	9.642	0.0	406959.271	9.0709	ng/ml	100
T AR1260 4	9.887	0.0	1830037.682	201.4775	ng/ml	100
T AR1260 2 #2	9.938	0.0	221236.076	4.2655	ng/ml	100
T AR1260 3 #2	10.347	0.0	74161.949	1.1631	ng/ml	100
T AR1260 5	10.660	0.0	399309.801	36.2162	ng/ml	100
T AR1260 4 #2	10.811	0.0	5317376.282	143.7132	ng/ml	100
T AR1260 5 #2	11.445	0.0	246786.839	4.3759	ng/ml	100

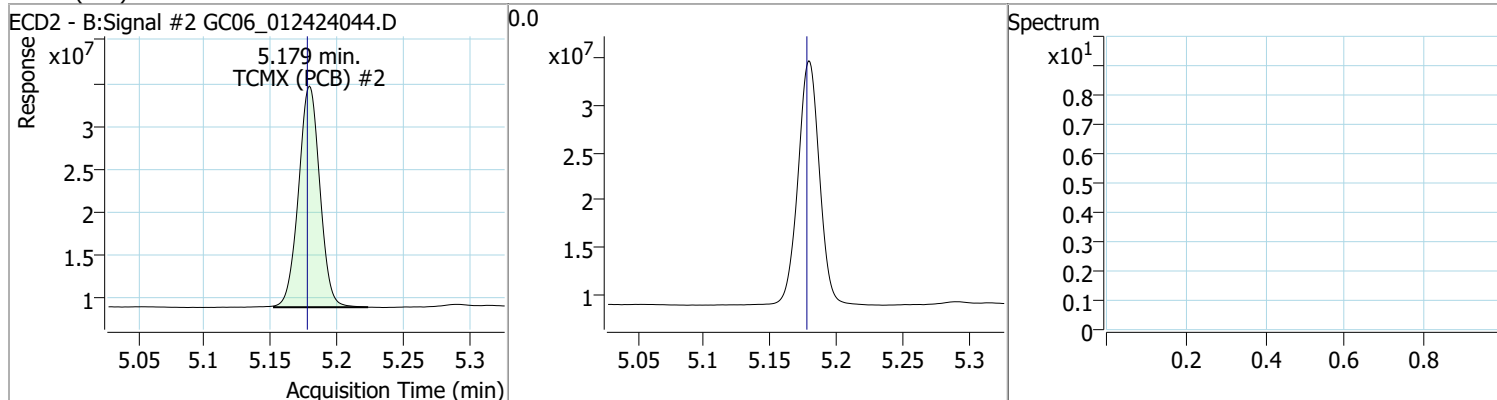
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

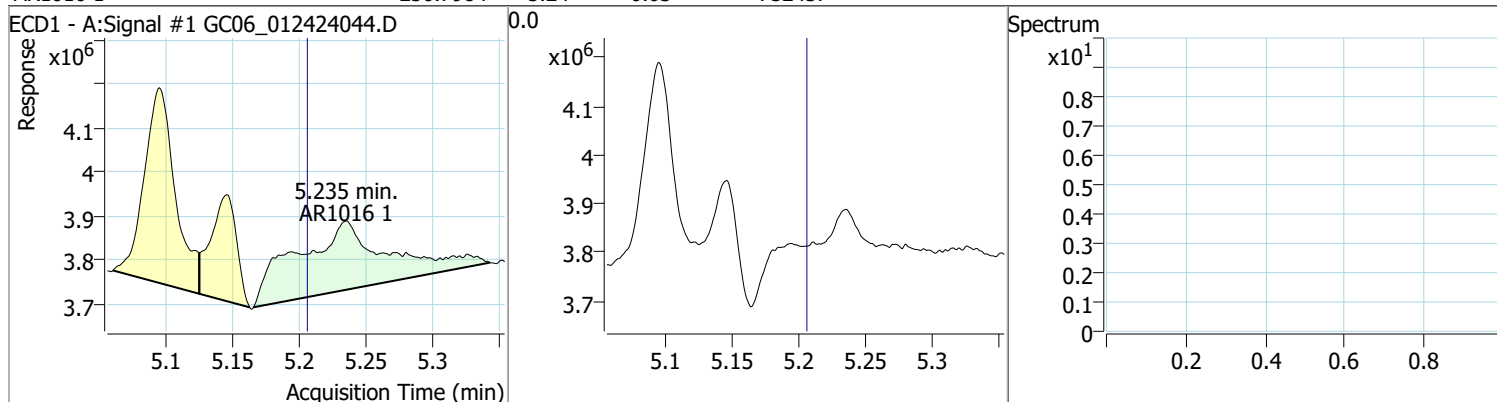
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.8779	4.86	0.00	5109269				



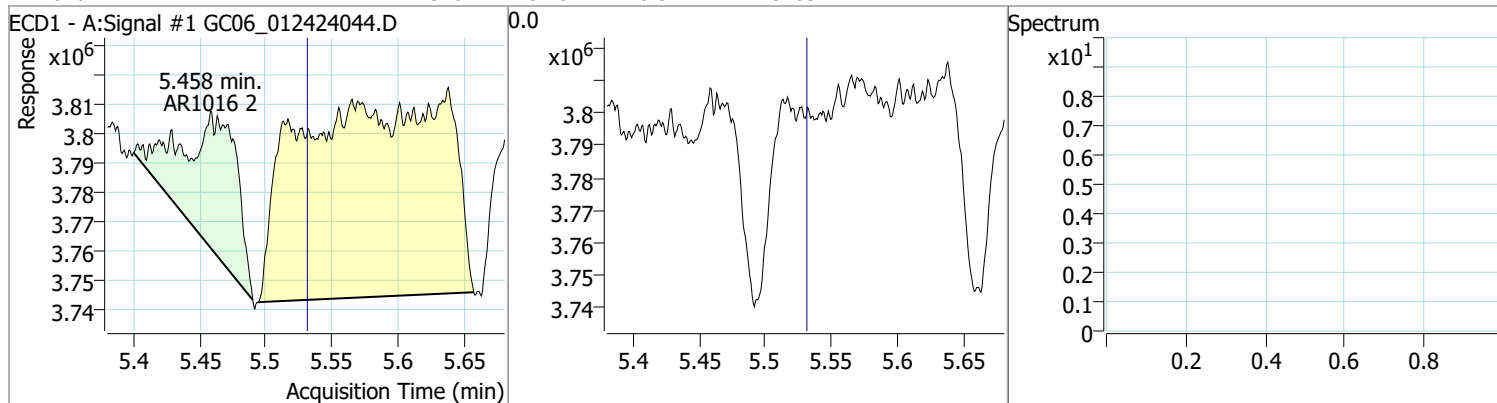
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.0195	5.18	0.00	28753561				



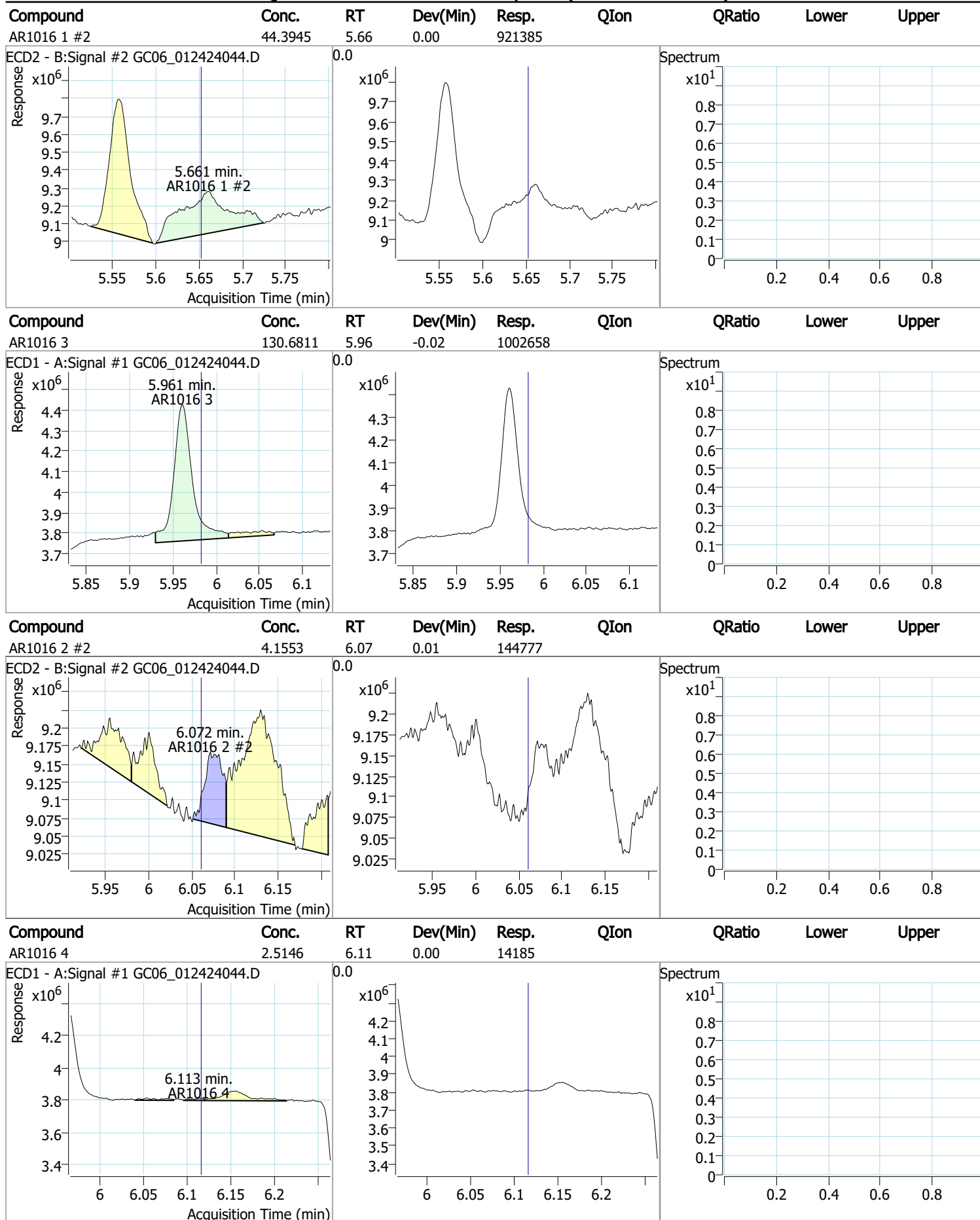
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	256.7984	5.24	0.03	752437				



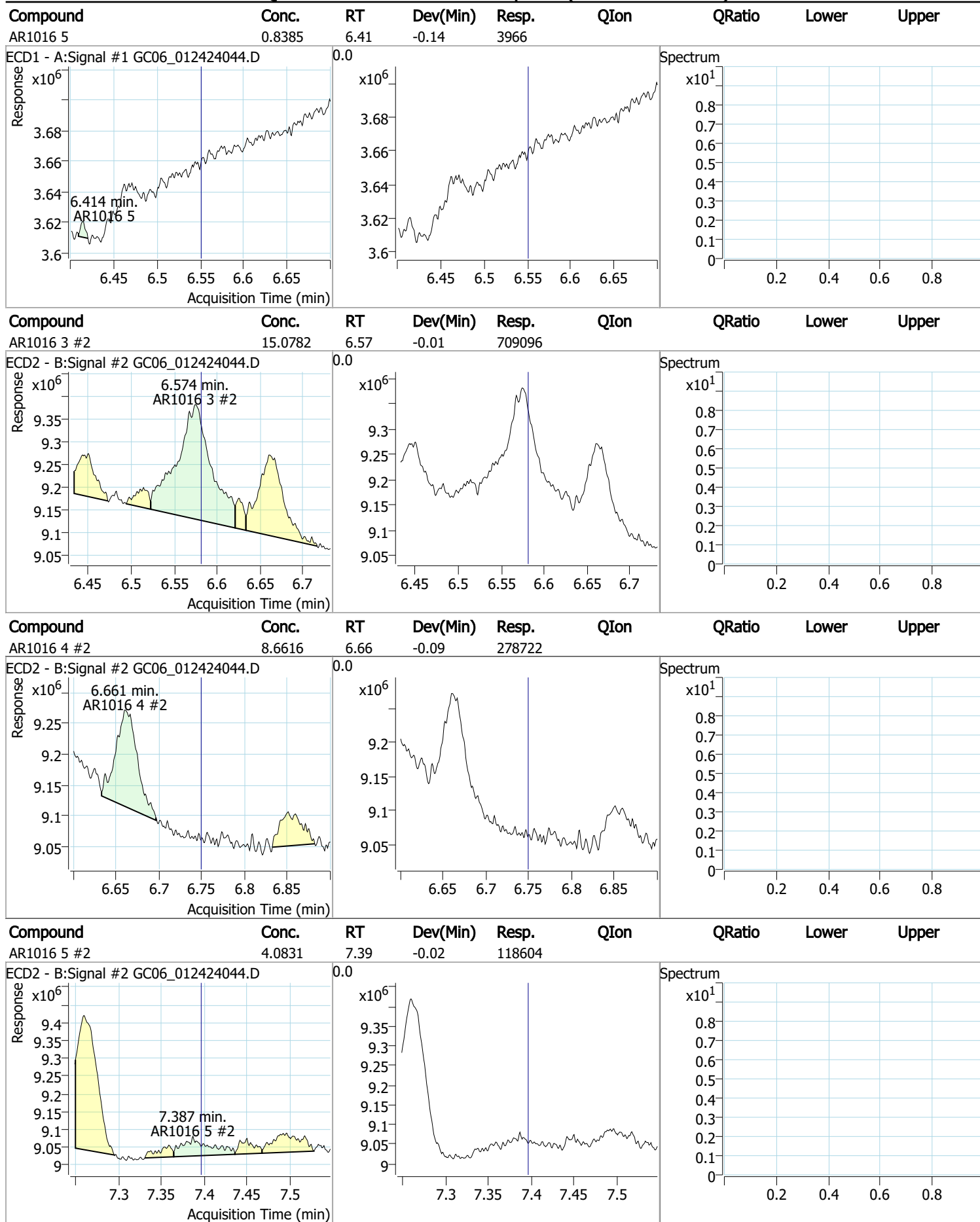
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.3462	5.46	-0.07	131034				



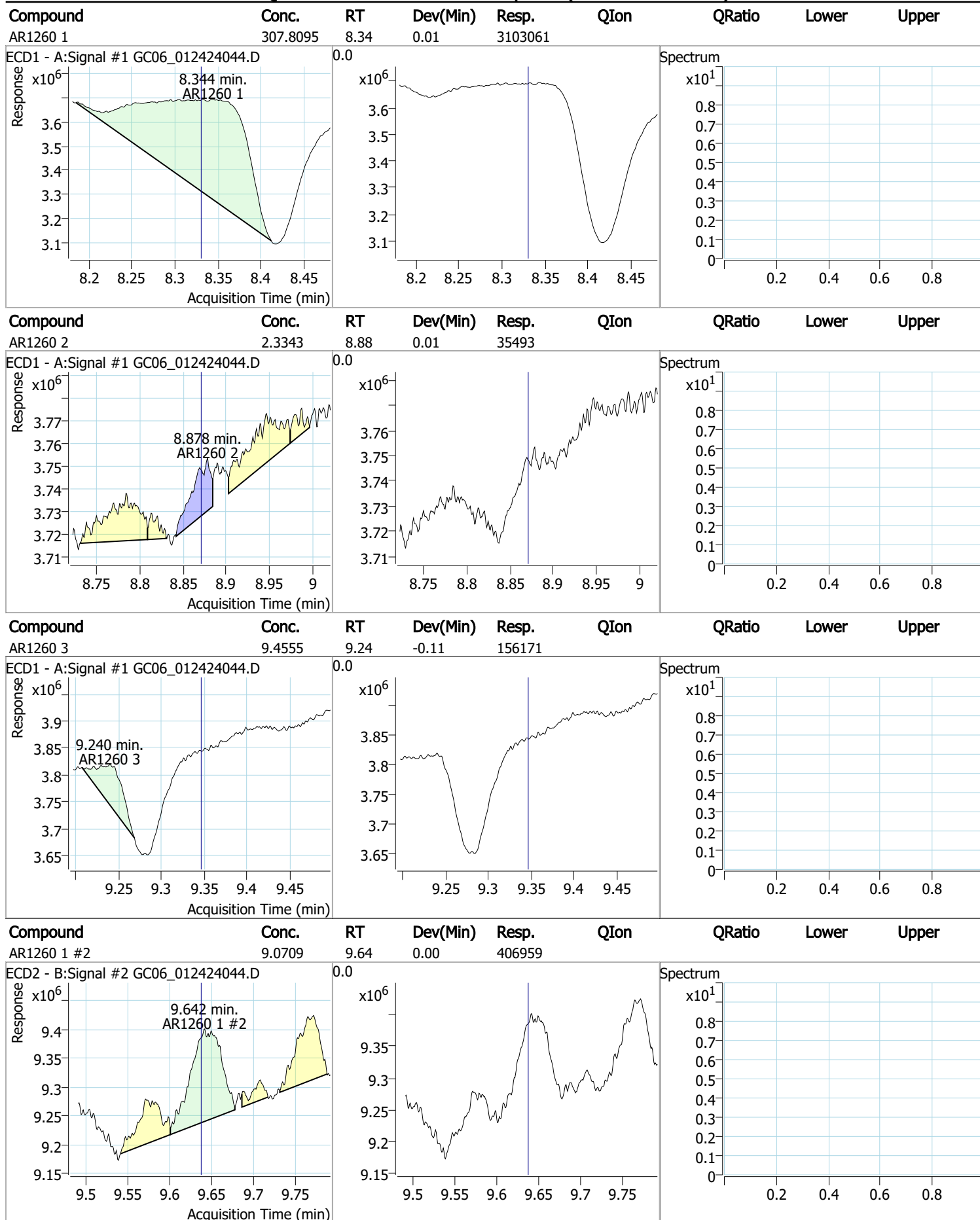
Quantitation Results Report (Not Reviewed)



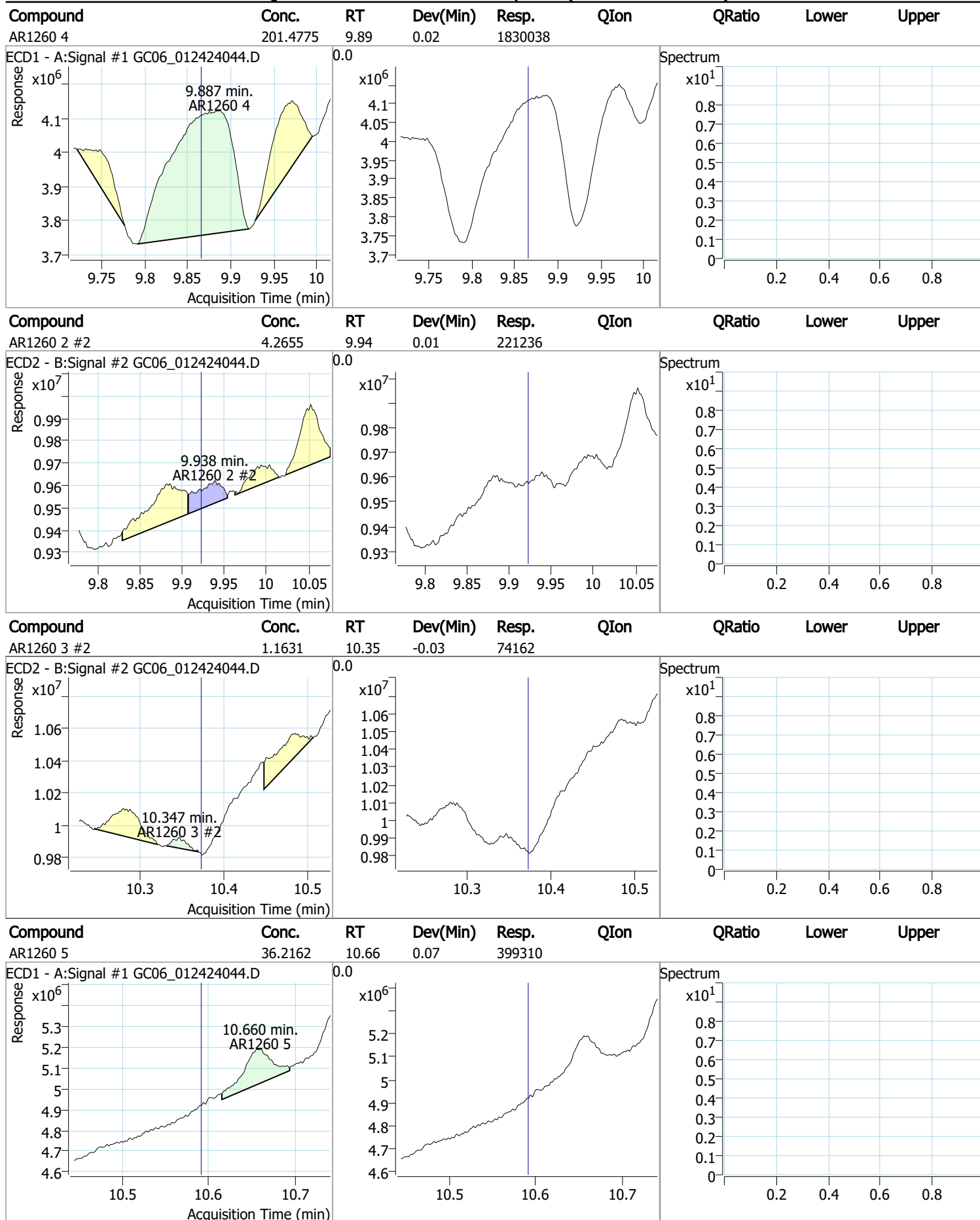
Quantitation Results Report (Not Reviewed)



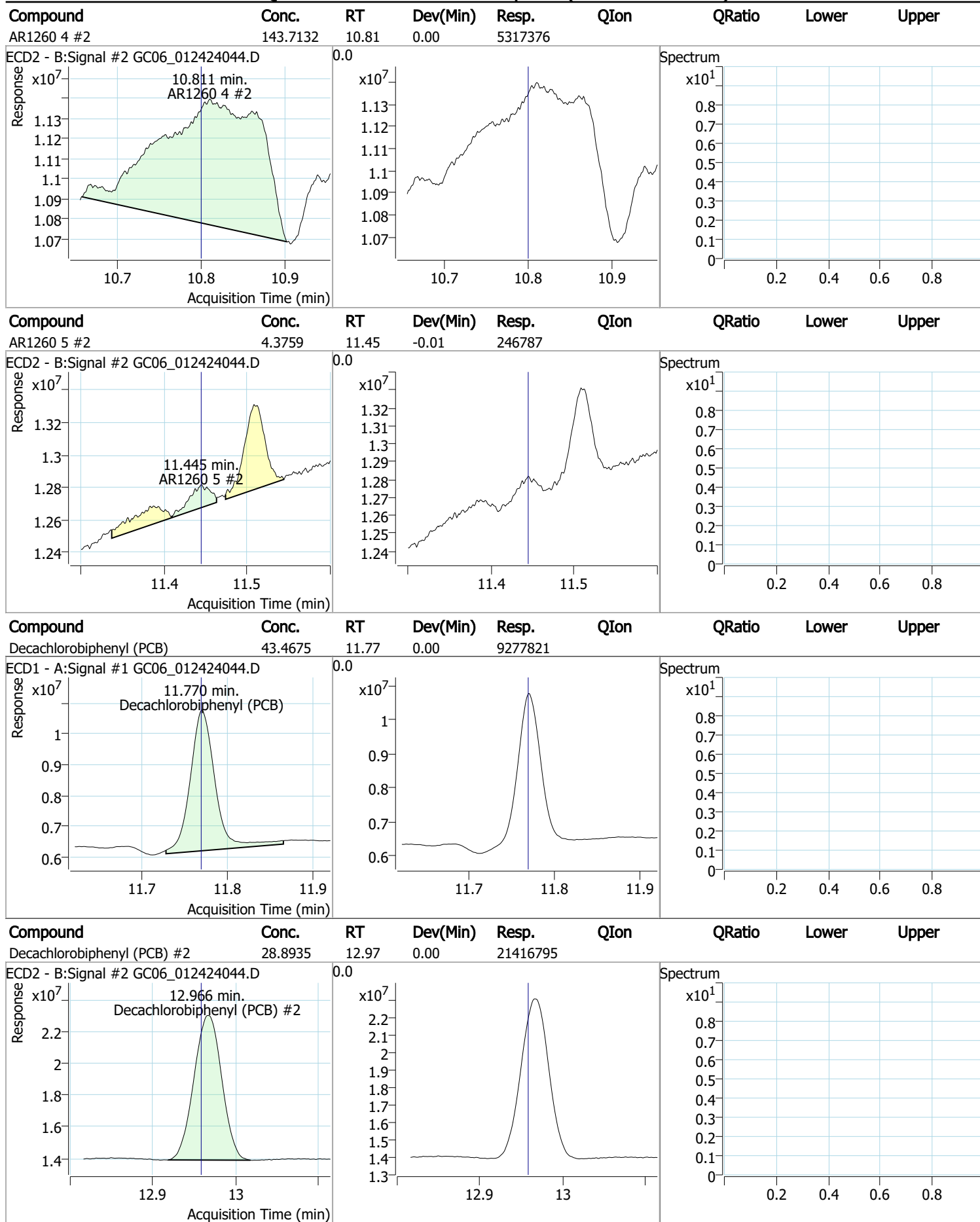
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-004	Client ID: ARCH-C13W-EXT-1 TO 2-240118-P-WF
Seqnum: 454035180045	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424045	Batch: 330971	Time: 24-JAN-2024 23:12
Cal: 454035180003	Caldate: 24-JAN-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	13.64	ND	1.3	161%	0.50		u
Aroclor-1016 Peak # 1	B	45.26	0.45	2.68	142%			
Aroclor-1016 Peak # 2	B	6.206	0.06	0.17	93%			
Aroclor-1016 Peak # 3	B	9.776	0.10	3.42	189%			
Aroclor-1016 Peak # 4	B	0.1667	0.00	0.02	164%			
Aroclor-1016 Peak # 5	B	6.797	0.07	0.02	116%			
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	36.43	ND	0.97	91%	0.50		u
Aroclor-1260 Peak # 1	B	7.896	0.08	2.57	188%			
Aroclor-1260 Peak # 2	B	11.98	0.12	0.04	103%			
Aroclor-1260 Peak # 3	B	2.098	0.02	0.11	136%			
Aroclor-1260 Peak # 4	B	141.2	1.41	1.83	26%			
Aroclor-1260 Peak # 5	B	18.99	0.19	0.28	40%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.00	0.5000	0.3600	72	19-121	c+ u
Decachlorobiphenyl (PCB)	B	28.92	0.5000	0.2892	58	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	22769256	88.12
1-bromo-2-nitrobenzene (PCB)	A	2388025	3976448	66.52

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.10	0.00

01/25/24 : WIPE/1S-10ML

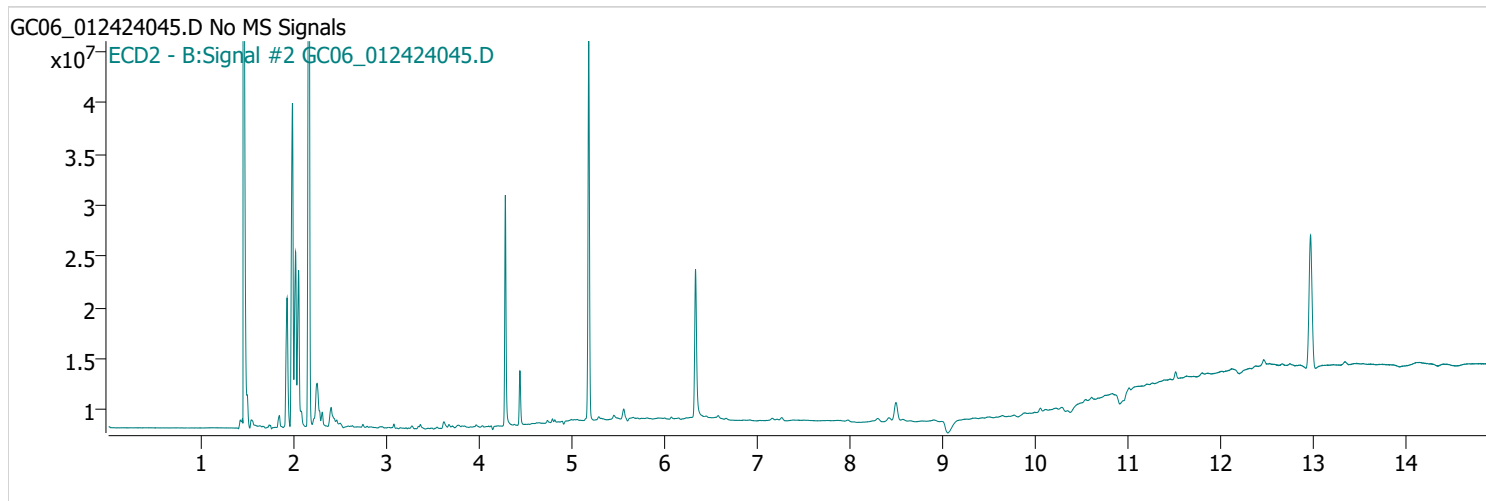
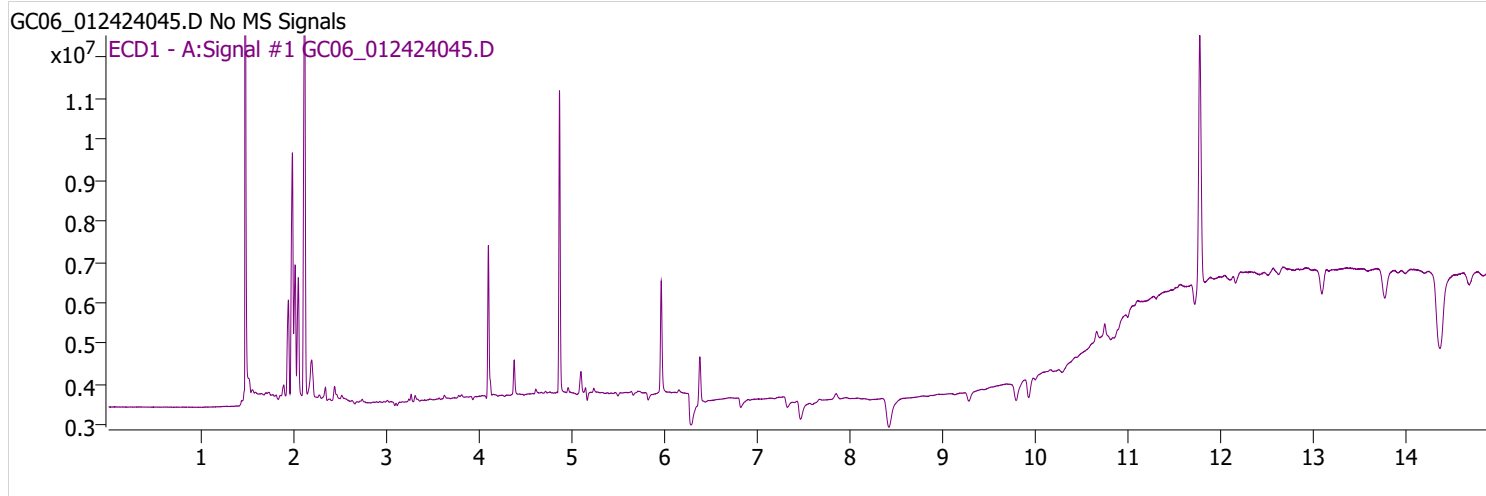
+ = high bias c = CCV u = use

Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_012424045.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 11:12:13 PM
Sample Name	500180-004, 330971, 1	Instrument	SVOA-GC06
Vial	35	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.097	0.0	3976447.760	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.280	0.0	22769255.632	20.0000	ng/ml	-0.004
System Monitoring Compounds						
S TCMX (PCB)	4.864	0.0	7308654.879	39.8990	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.49%	*	
S TCMX (PCB) #2	5.179	0.0	40422187.189	36.0002	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.00%	*	
S Decachlorobiphenyl (PCB)	11.769	0.0	13064095.673	43.9114	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.56%	*	
S Decachlorobiphenyl (PCB) #2	12.964	0.0	29315611.505	28.9209	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.60%		

Target Compounds

GC06_012424045.D

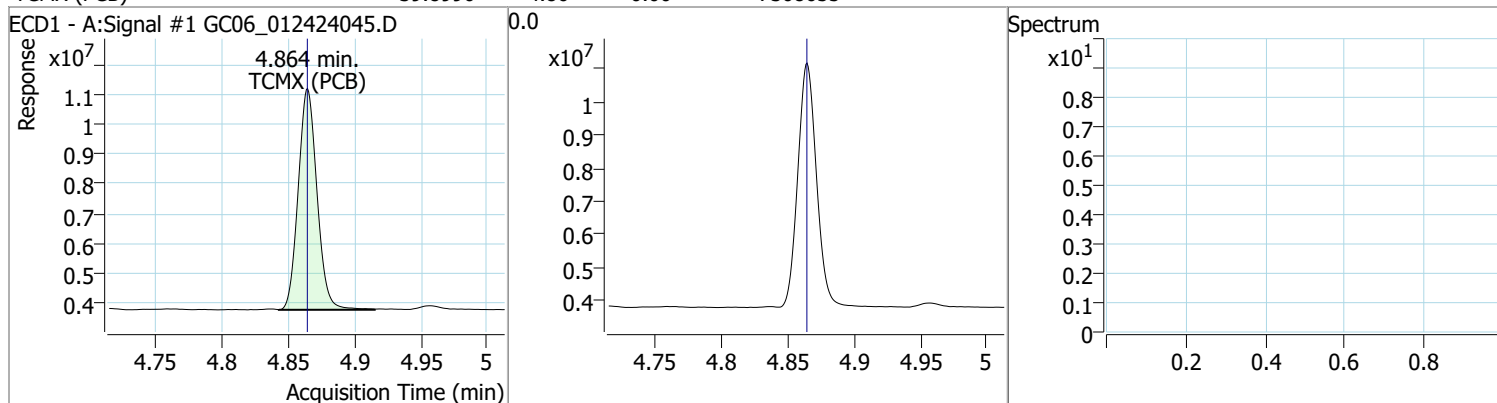
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.233	0.0	1095209.62 7	268.1631	ng/ml	100
T AR1016 2	5.465	0.0	139274.734	17.0401	ng/ml	100
T AR1016 1 #2	5.659	0.0	1284596.02 0	45.2608	ng/ml	100
T AR1016 3	5.961	0.0	3653976.83 9	341.6689	ng/ml	100
T AR1016 2 #2	6.069	0.0	295672.509	6.2055	ng/ml	100
T AR1016 4	6.112	0.0	13149.016	1.6723	ng/ml	100
T AR1016 5	6.517	0.0	11932.527	1.8098	ng/ml	100
T AR1016 3 #2	6.573	0.0	628688.131	9.7757	ng/ml	100
T AR1016 4 #2	6.800	0.0	7337.039	0.1667	ng/ml	100
T AR1016 5 #2	7.390	0.0	270009.038	6.7973	ng/ml	100
T AR1260 1	8.338	0.0	3616654.39 7	257.3822	ng/ml	100
T AR1260 2	8.957	0.0	81150.417	3.8290	ng/ml	100
T AR1260 3	9.240	0.0	253935.191	11.0303	ng/ml	100
T AR1260 1 #2	9.640	0.0	484442.539	7.8960	ng/ml	100
T AR1260 4	9.886	0.0	2314024.22 2	182.7739	ng/ml	100
T AR1260 2 #2	9.881	0.0	849620.894	11.9787	ng/ml	100
T AR1260 3 #2	10.340	0.0	182911.651	2.0977	ng/ml	100
T AR1260 5	10.657	0.0	436132.759	28.3786	ng/ml	100
T AR1260 4 #2	10.830	0.0	7143702.39 9	141.1856	ng/ml	100
T AR1260 5 #2	11.508	0.0	1464609.94 4	18.9905	ng/ml	100

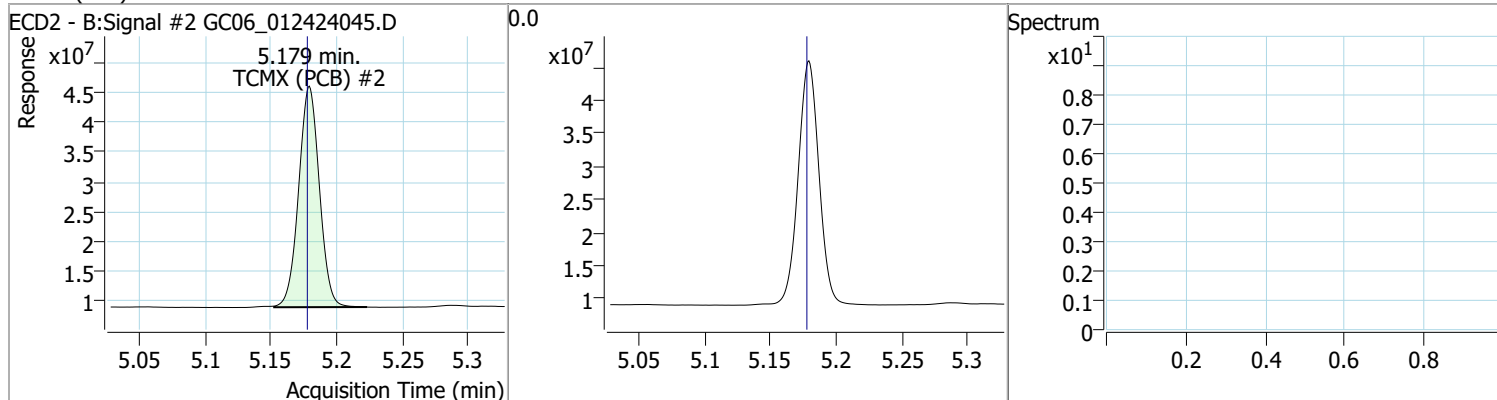
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

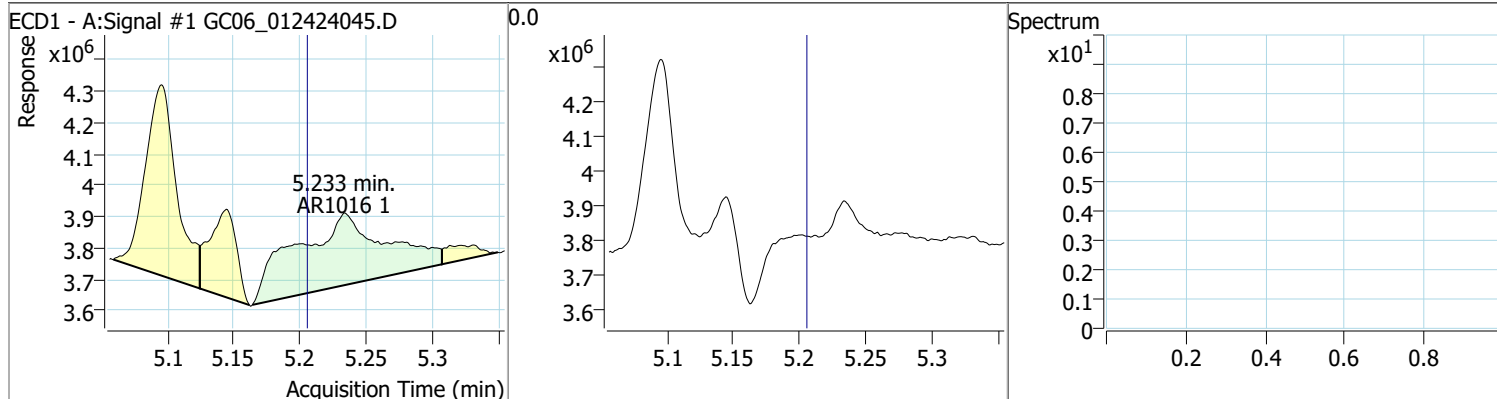
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.8990	4.86	0.00	7308655				



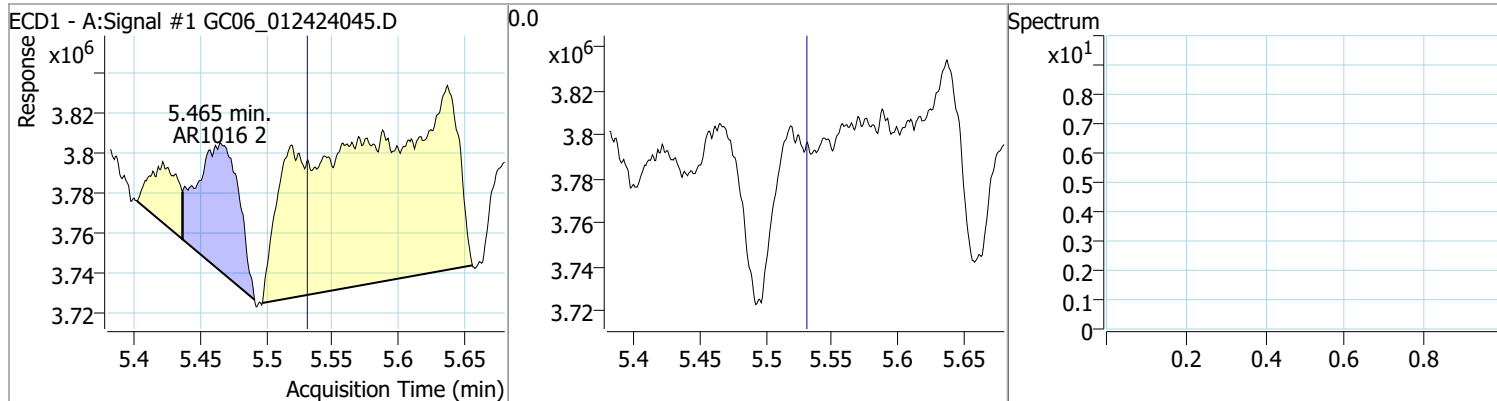
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.0002	5.18	0.00	40422187				



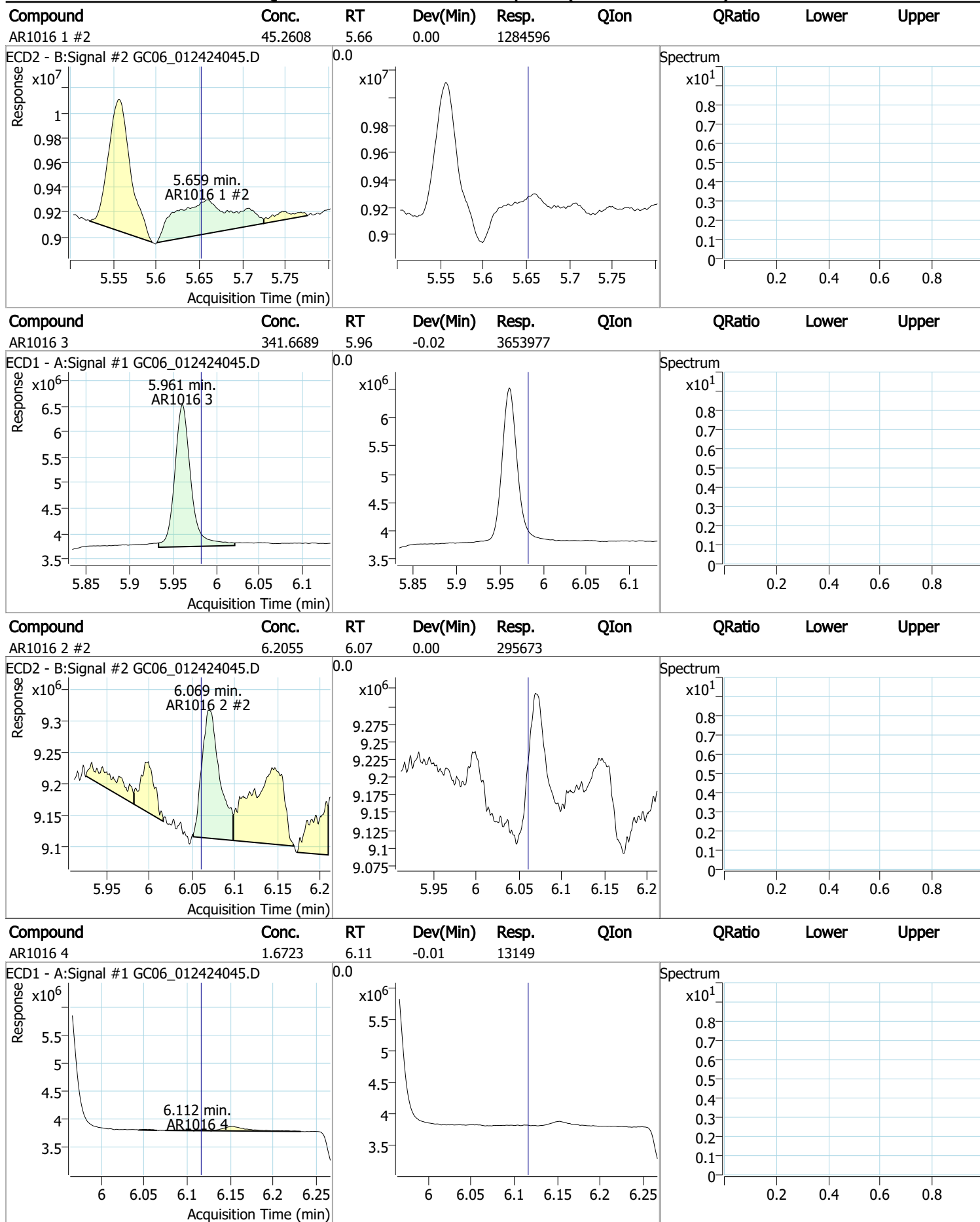
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	268.1631	5.23	0.03	1095210				



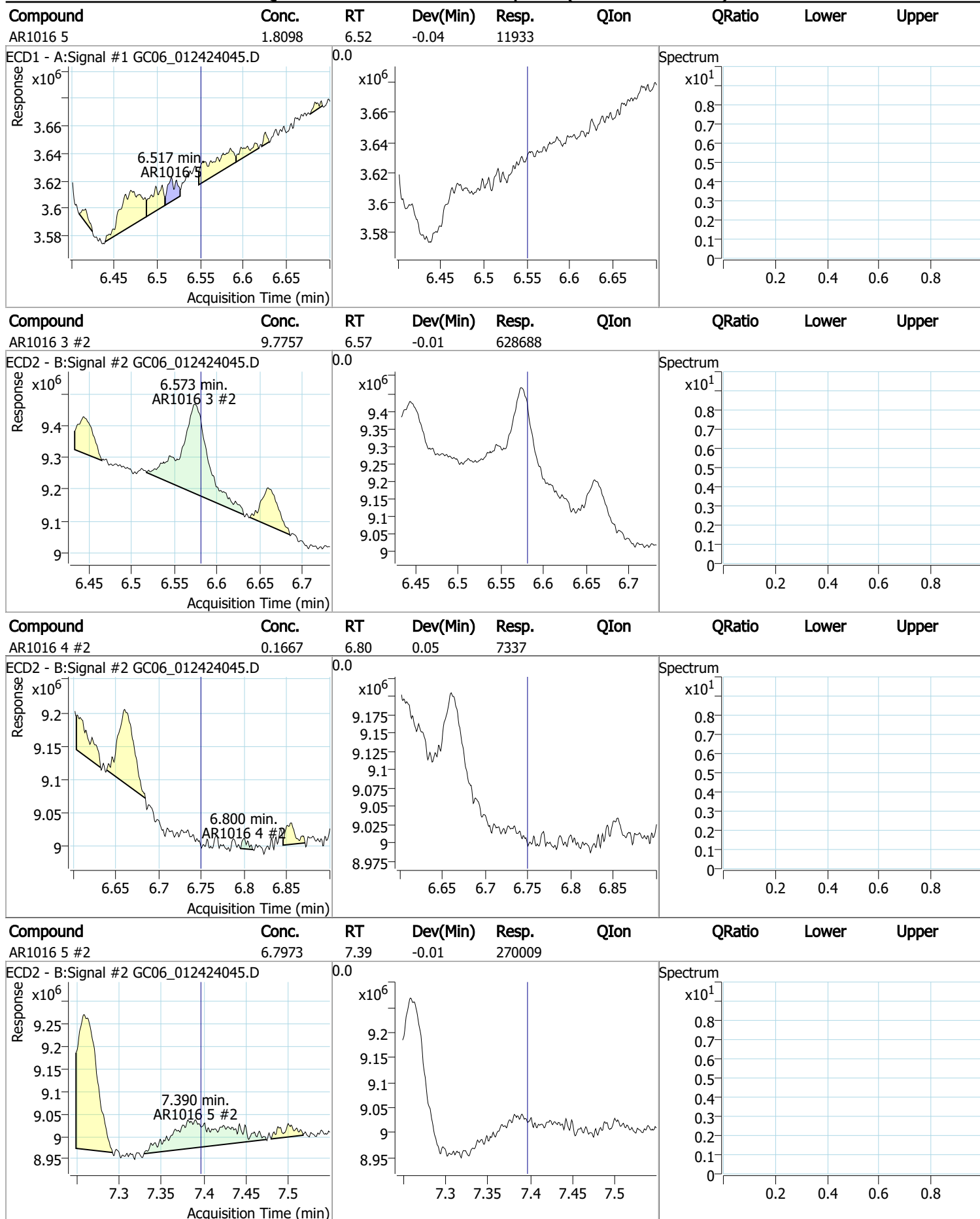
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	17.0401	5.47	-0.07	139275				



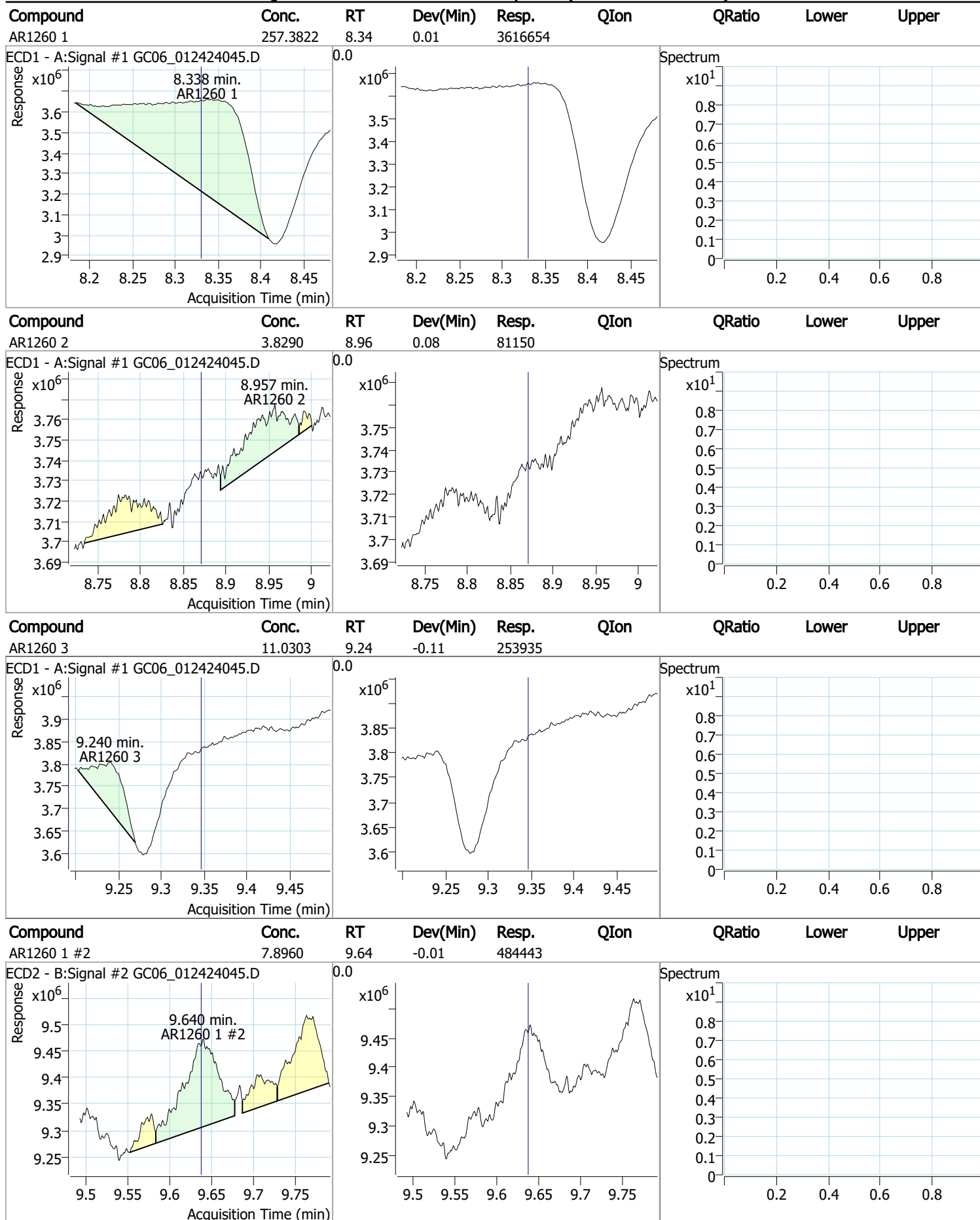
Quantitation Results Report (Not Reviewed)



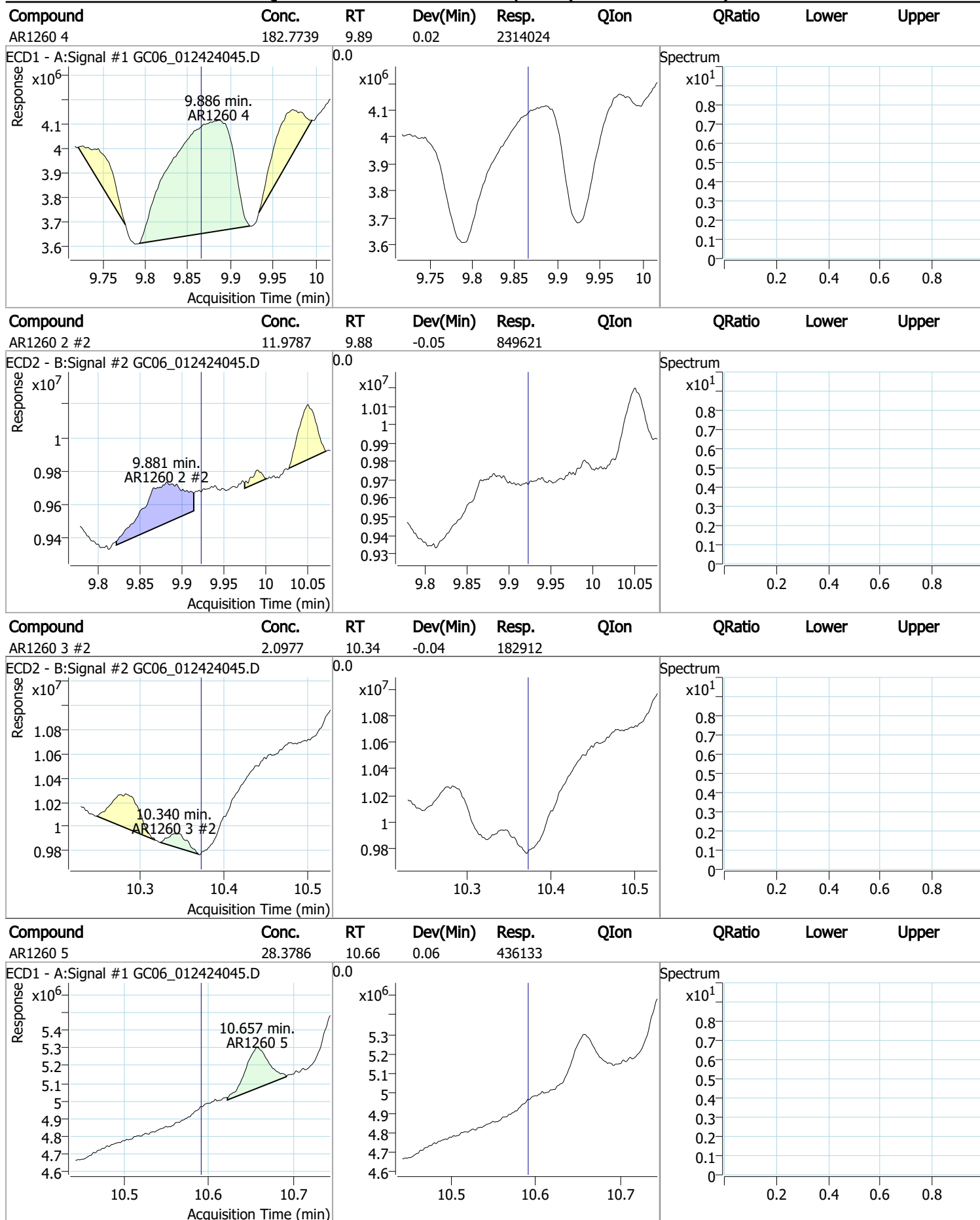
Quantitation Results Report (Not Reviewed)



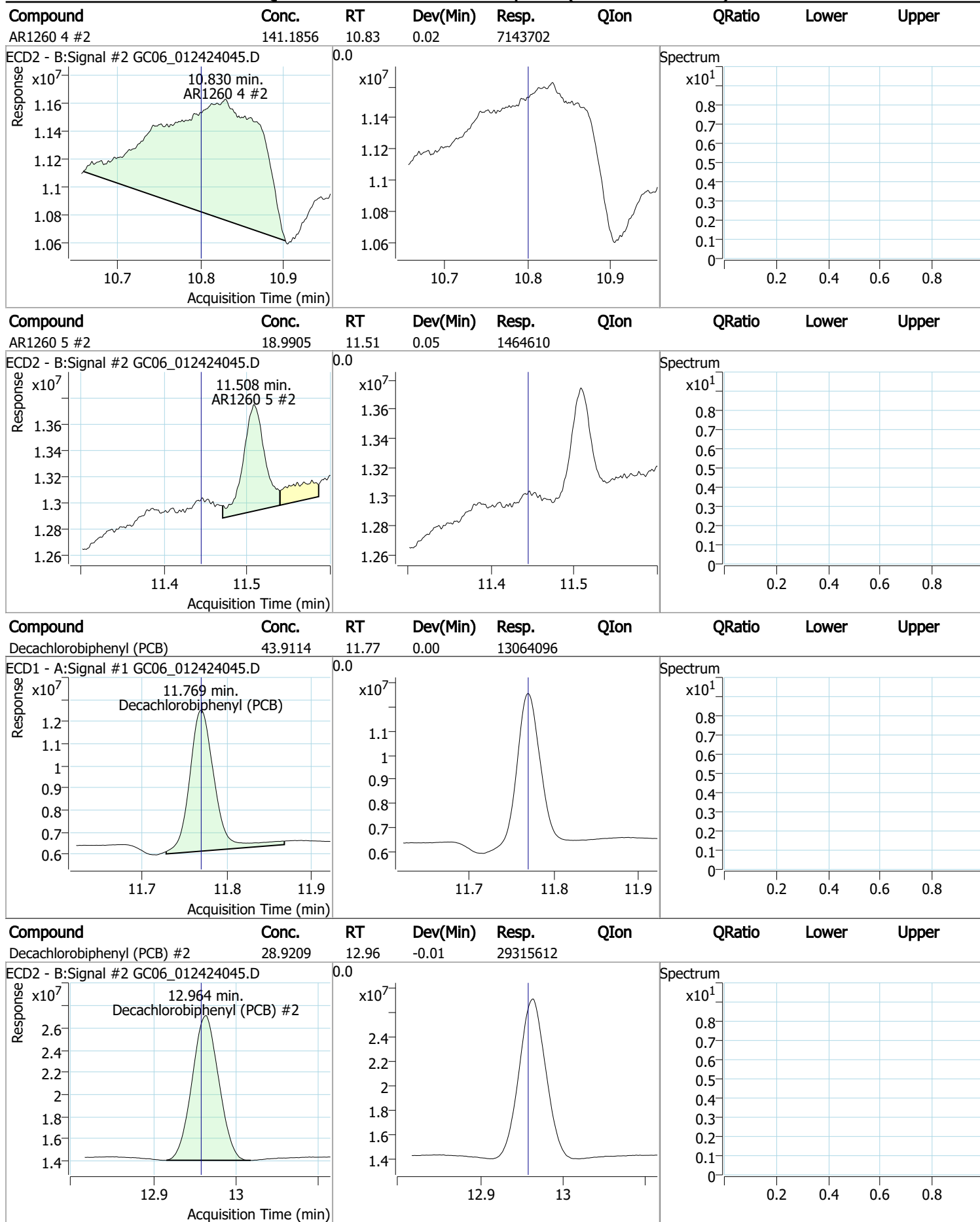
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-006	Client ID: ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-LA
Seqnum: 454035180046	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424046	Batch: 330971	Time: 24-JAN-2024 23:32
Cal: 454035180003	Caldate: 24-JAN-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	11.39	ND	0.83	152%	0.50		u
Aroclor-1016 Peak # 1	B	21.22	0.21	0.86	121%			
Aroclor-1016 Peak # 2	B	2.577	0.03	0.20	153%			
Aroclor-1016 Peak # 3	B	14.49	0.14	2.93	181%			
Aroclor-1016 Peak # 4	B	0.3089	0.00	0.06	179%			
Aroclor-1016 Peak # 5	B	18.37	0.18	0.11	50%			
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	50.61	0.51 FP	0.61	19%	0.50		x u
Aroclor-1260 Peak # 1	B	20.03	0.20	0.01	186%			
Aroclor-1260 Peak # 2	B	11.22	0.11	0.01	163%			
Aroclor-1260 Peak # 3	B	0.9683	0.01	0.16	177%			
Aroclor-1260 Peak # 4	B	204.2	2.04	1.97	3%			
Aroclor-1260 Peak # 5	B	16.67	0.17	0.90	138%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.56	0.5000	0.3656	73	19-121	c+ u
Decachlorobiphenyl (PCB)	B	28.66	0.5000	0.2866	57	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	19330974	59.71
1-bromo-2-nitrobenzene (PCB)	A	2388025	3196379	33.85

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.10	0.00

01/25/24 : WIPE/1S-10ML

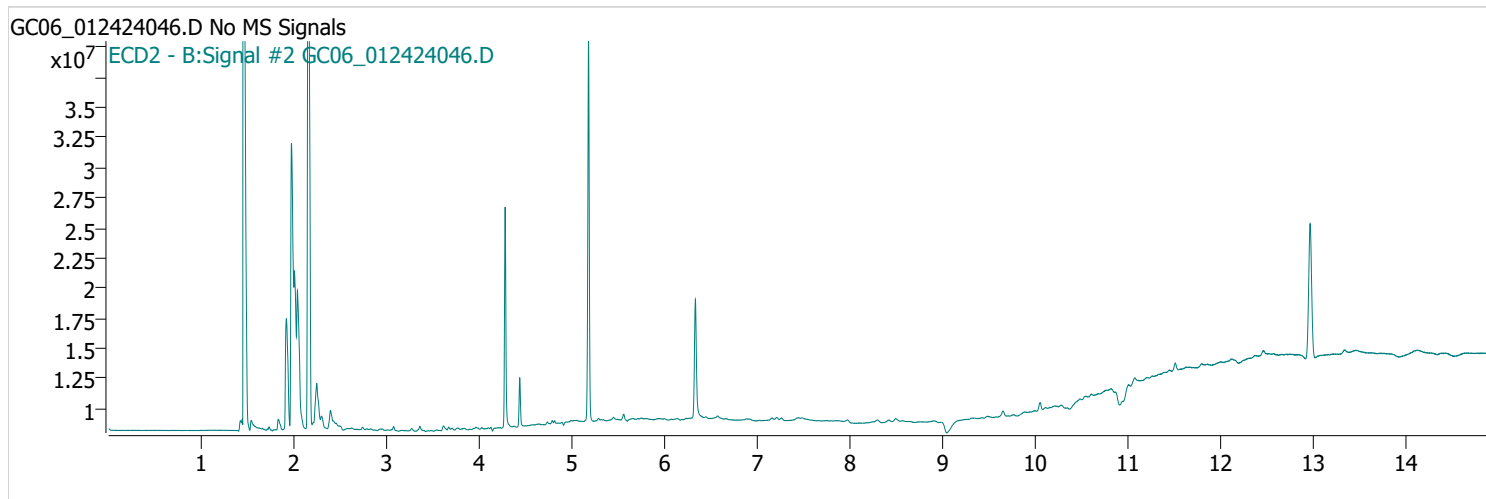
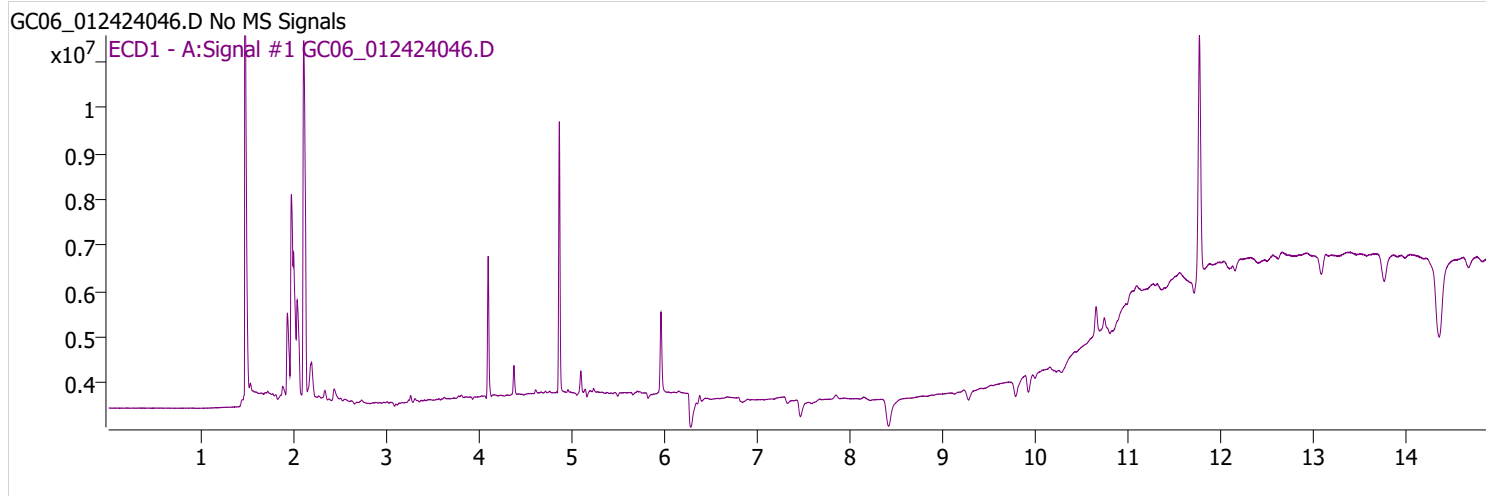
+ = high bias c = CCV u = use x = false positive

Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_012424046.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 11:32:56 PM
Sample Name	500180-006, 330971, 1	Instrument	SVOA-GC06
Vial	36	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.096	0.0	3196379.35 5	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.279	0.0	19330973.9 48	20.0000	ng/ml	-0.005
System Monitoring Compounds						
S TCMX (PCB)	4.863	0.0	5981392.95 1	40.6222	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.11%	*	
S TCMX (PCB) #2	5.178	0.0	34849556.0 40	36.5576	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.79%	*	
S Decachlorobiphenyl (PCB)	11.768	0.0	10938005.7 72	45.7376	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 228.69%	*	
S Decachlorobiphenyl (PCB) #2	12.963	0.0	24663093.3 52	28.6586	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.29%		

Target Compounds

QValue

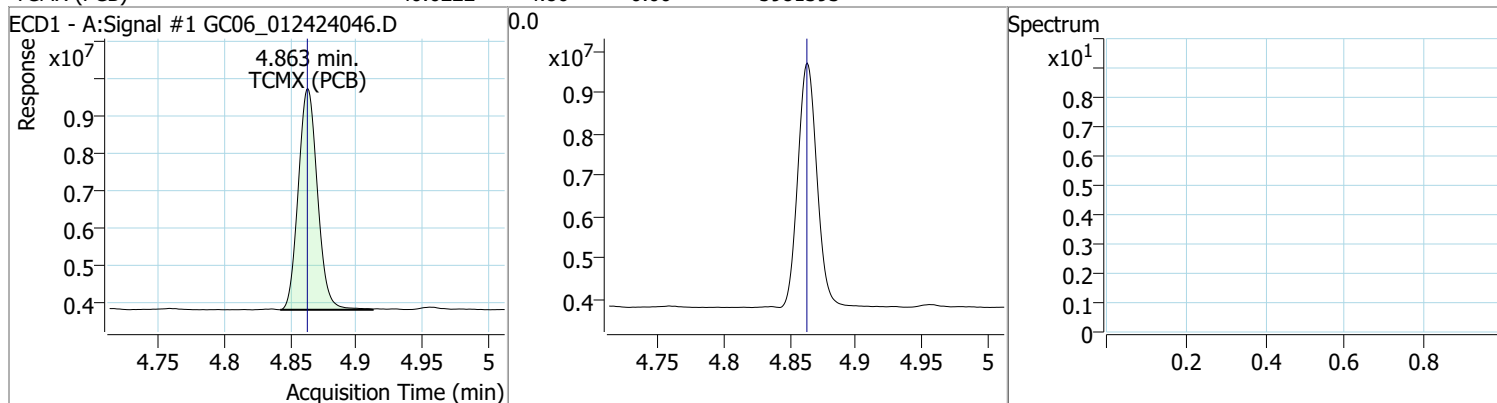
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.193	0.0	282852.924	86.1588	ng/ml	100
T AR1016 2	5.465	0.0	128391.416	19.5421	ng/ml	100
T AR1016 1 #2	5.657	0.0	511435.130	21.2247	ng/ml	100
T AR1016 3	5.960	0.0	2519218.44 4	293.0505	ng/ml	100
T AR1016 2 #2	6.070	0.0	104247.602	2.5771	ng/ml	100
T AR1016 4	6.108	0.0	35301.351	5.5852	ng/ml	100
T AR1016 5	6.573	0.0	58261.269	10.9929	ng/ml	100
T AR1016 3 #2	6.572	0.0	791061.259	14.4883	ng/ml	100
T AR1016 4 #2	6.788	0.0	11541.246	0.3089	ng/ml	100
T AR1016 5 #2	7.448	0.0	619373.823	18.3657	ng/ml	100
T AR1260 1	8.183	0.0	7903.512	0.6997	ng/ml	100
T AR1260 2	8.786	0.0	19295.691	1.1326	ng/ml	100
T AR1260 3	9.224	0.0	289879.526	15.6645	ng/ml	100
T AR1260 1 #2	9.651	0.0	1043408.62 8	20.0316	ng/ml	100
T AR1260 4	9.891	0.0	2007119.93 8	197.2225	ng/ml	100
T AR1260 2 #2	9.878	0.0	675339.038	11.2151	ng/ml	100
T AR1260 3 #2	10.348	0.0	71685.048	0.9683	ng/ml	100
T AR1260 5	10.653	0.0	1113308.54 6	90.1209	ng/ml	100
T AR1260 4 #2	10.818	0.0	8771429.40 1	204.1890	ng/ml	100
T AR1260 5 #2	11.508	0.0	1091193.30 3	16.6652	ng/ml	100

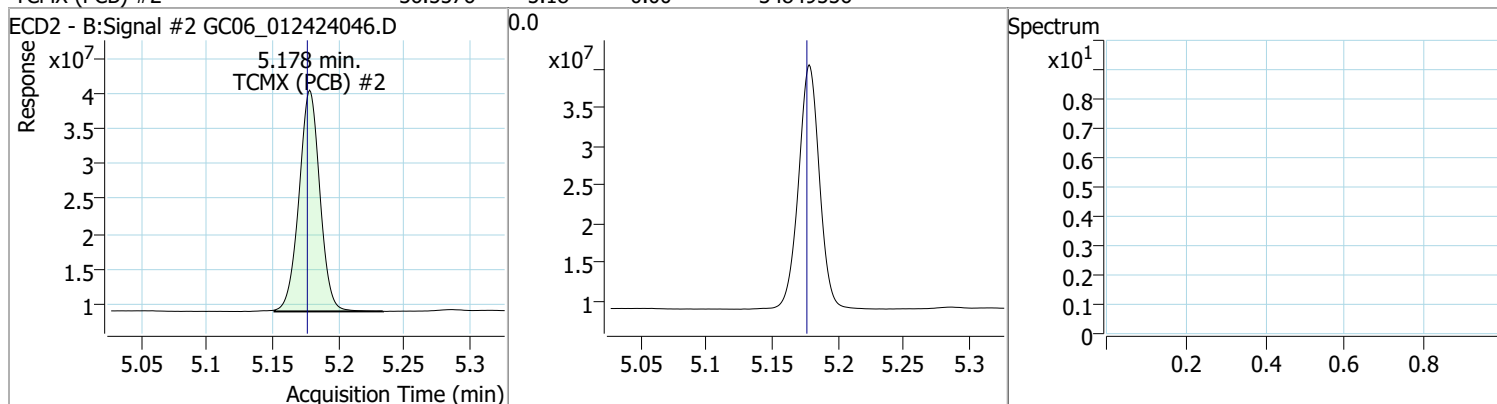
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

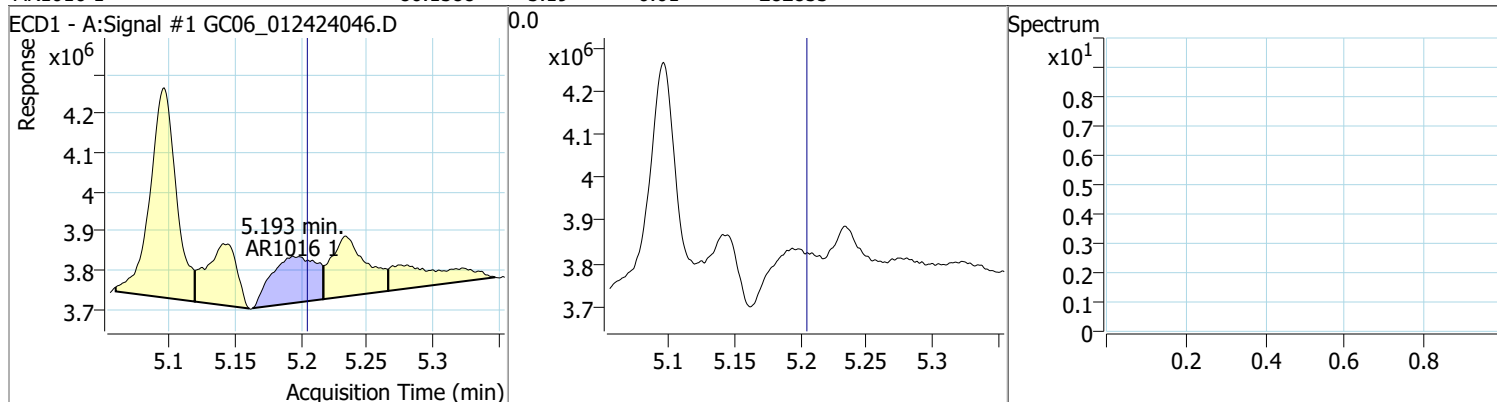
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.6222	4.86	0.00	5981393				



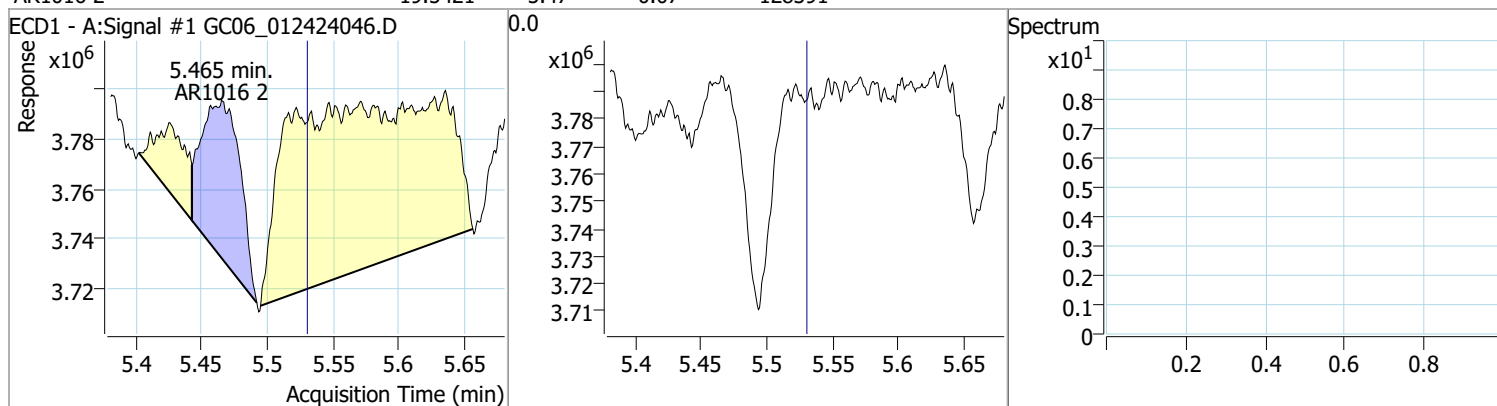
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.5576	5.18	0.00	34849556				



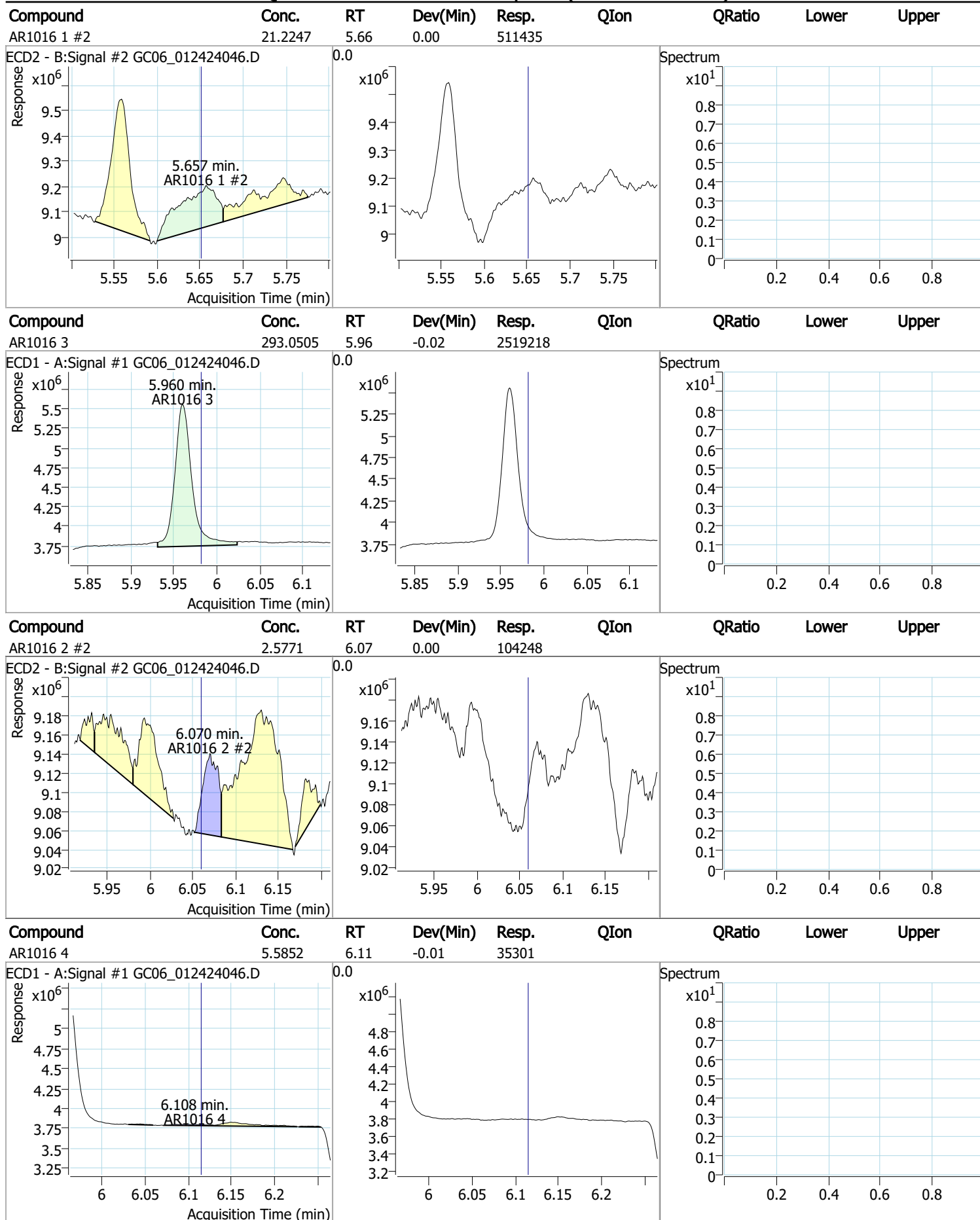
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	86.1588	5.19	-0.01	282853				



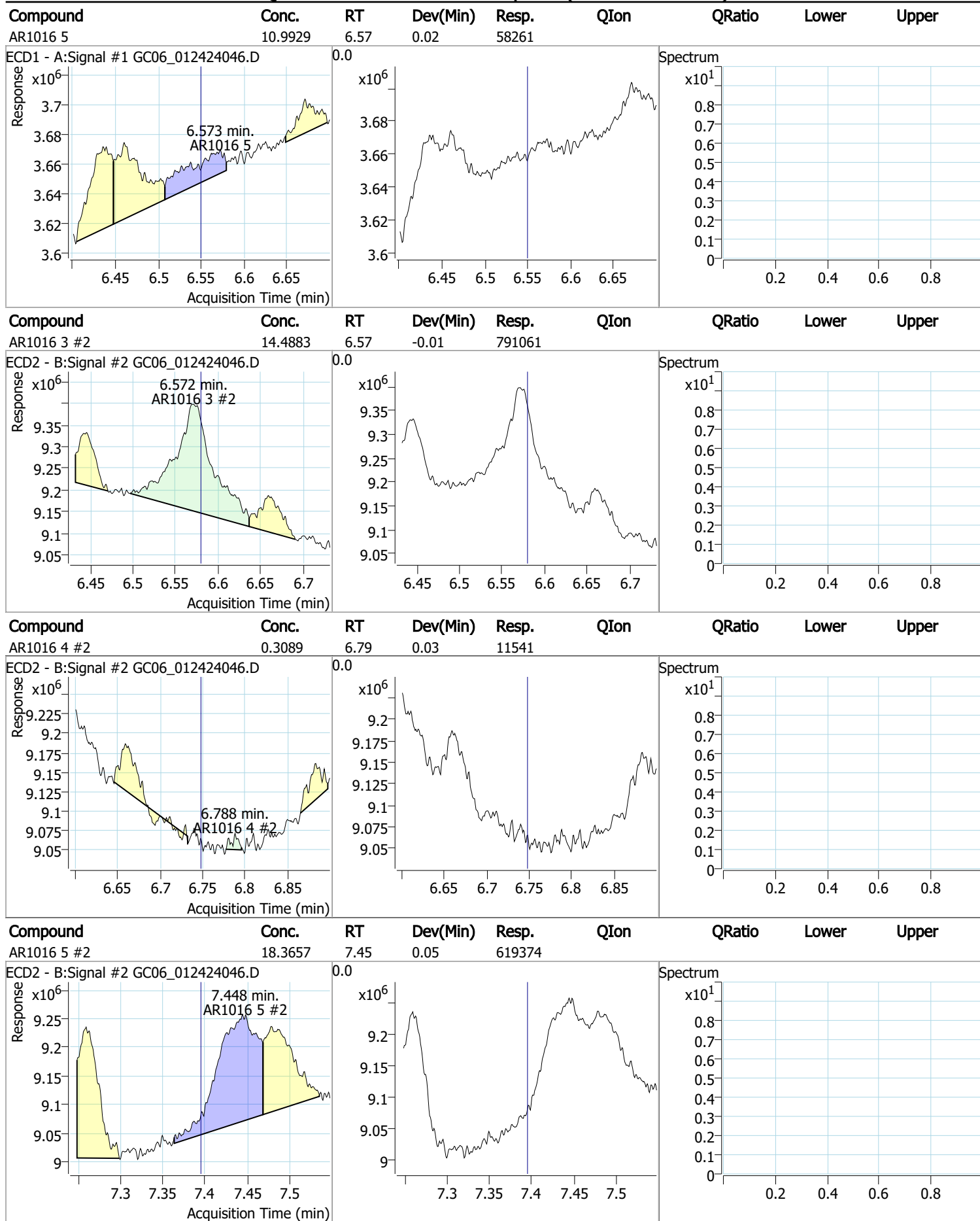
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	19.5421	5.47	-0.07	128391				



Quantitation Results Report (Not Reviewed)

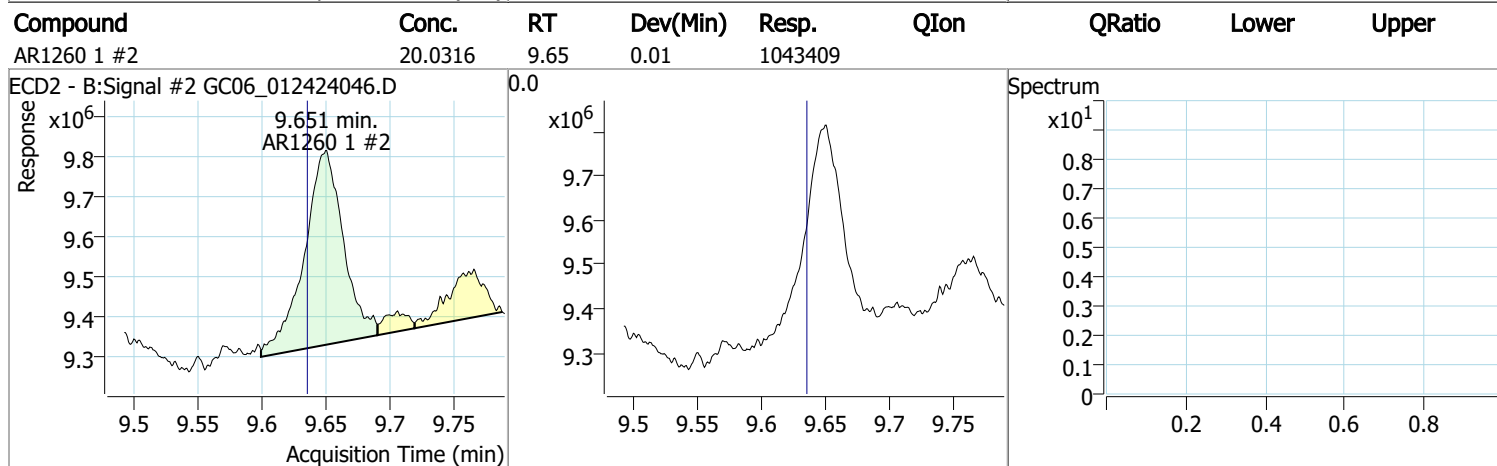
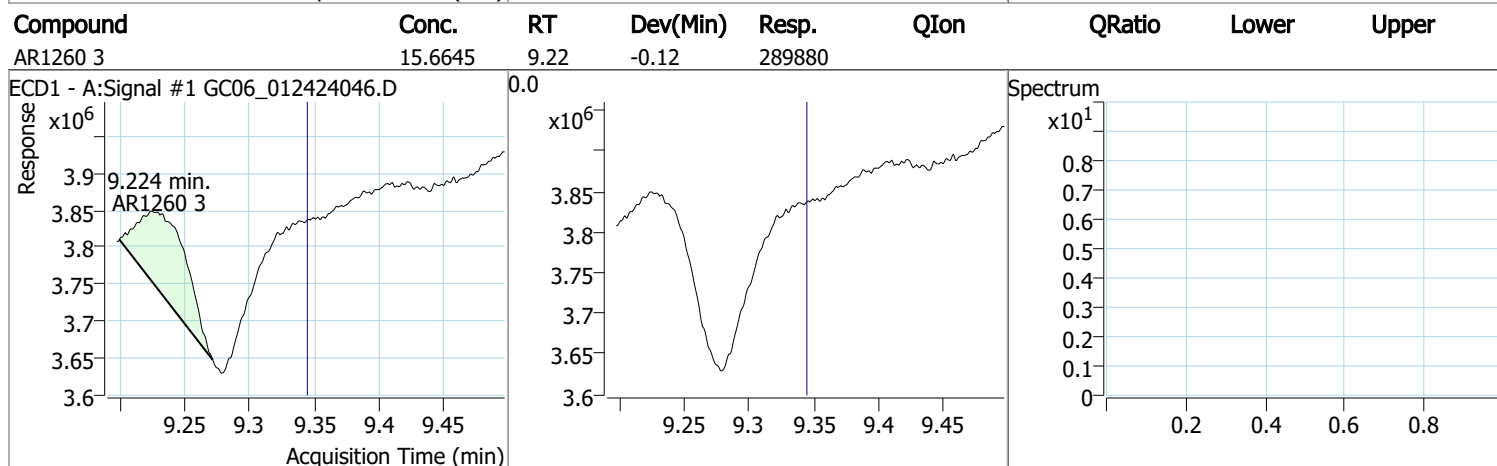
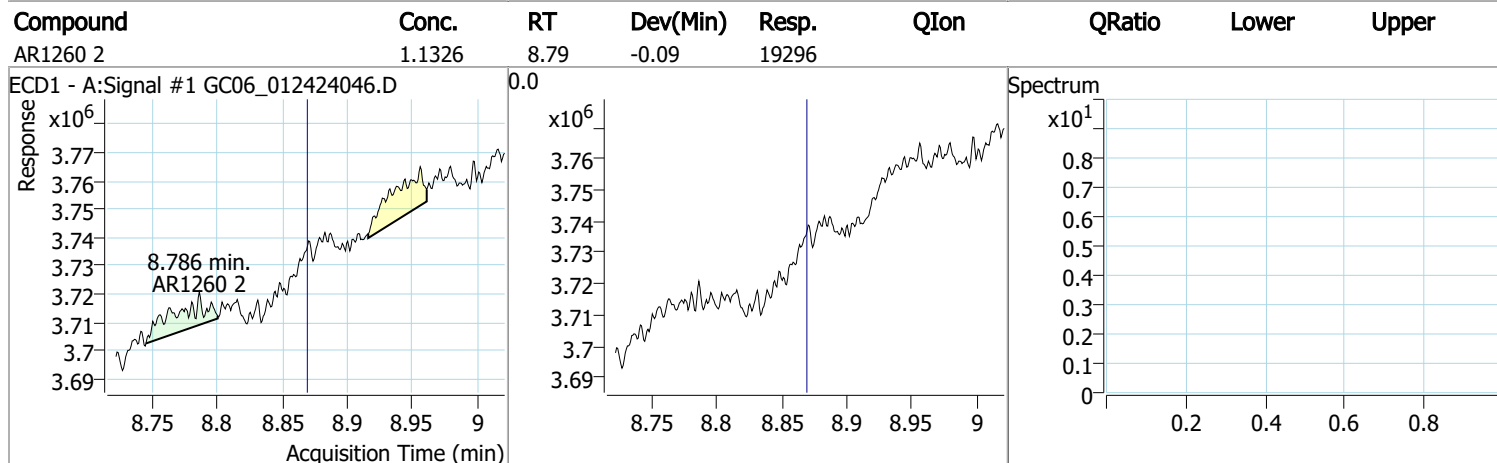
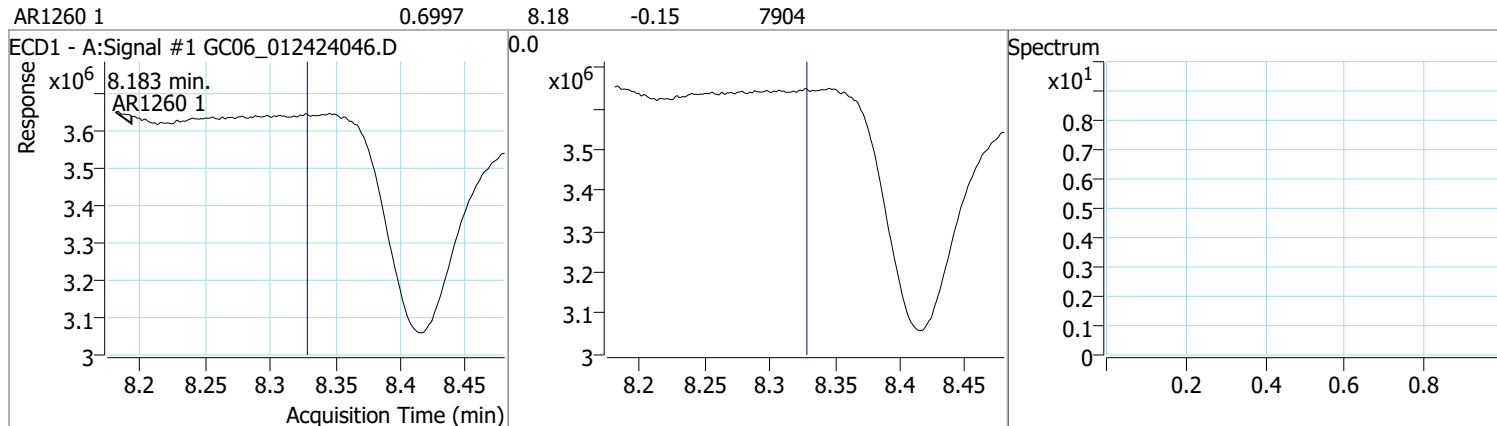


Quantitation Results Report (Not Reviewed)

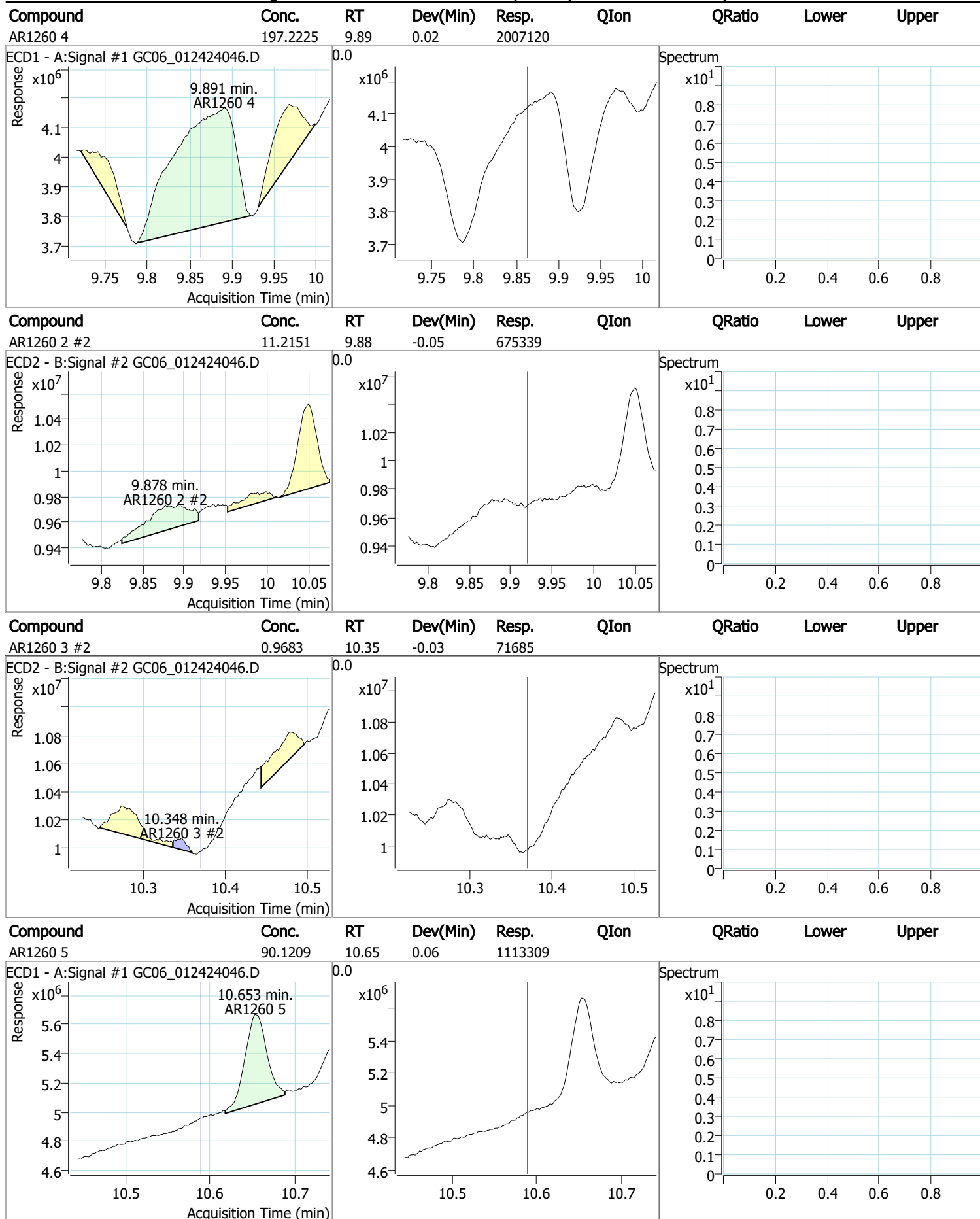


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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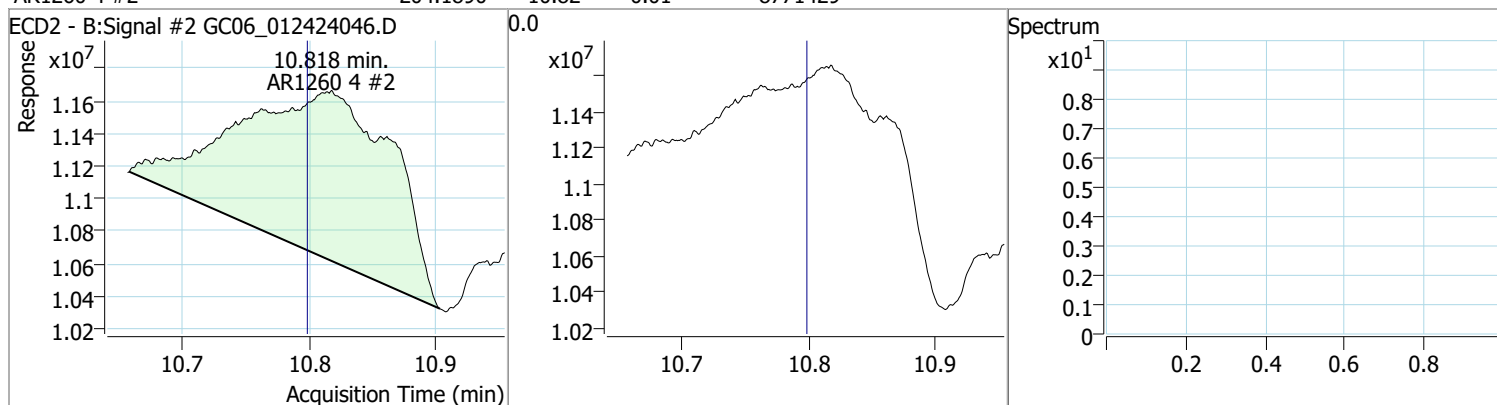


Quantitation Results Report (Not Reviewed)

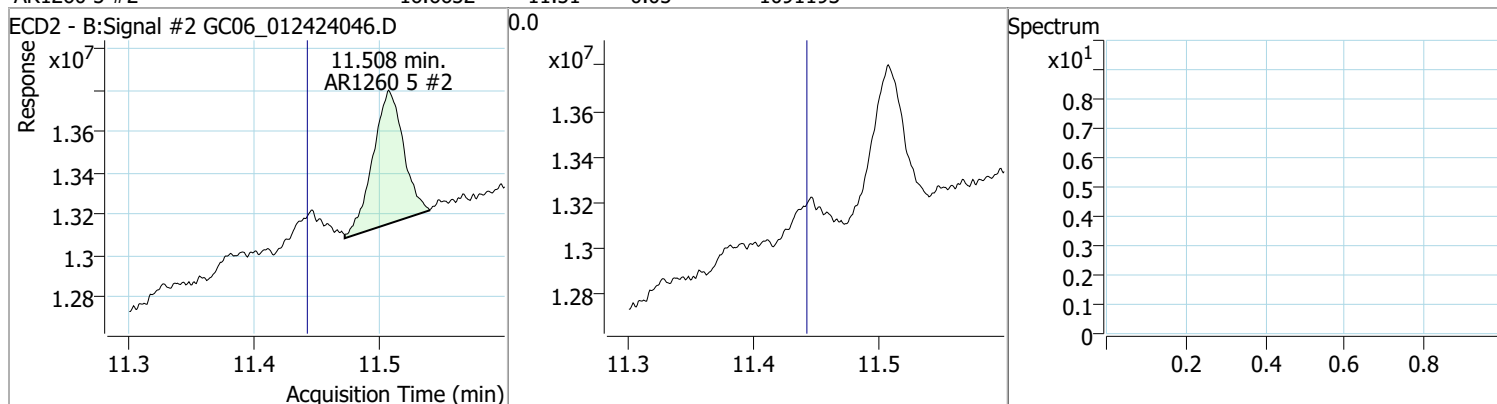


Quantitation Results Report (Not Reviewed)

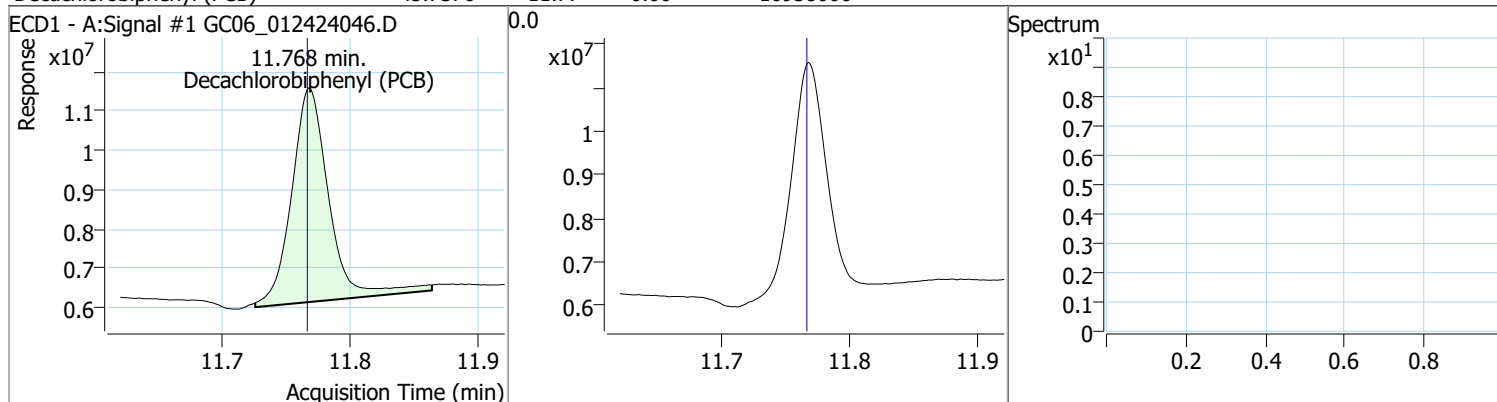
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	204.1890	10.82	0.01	8771429				



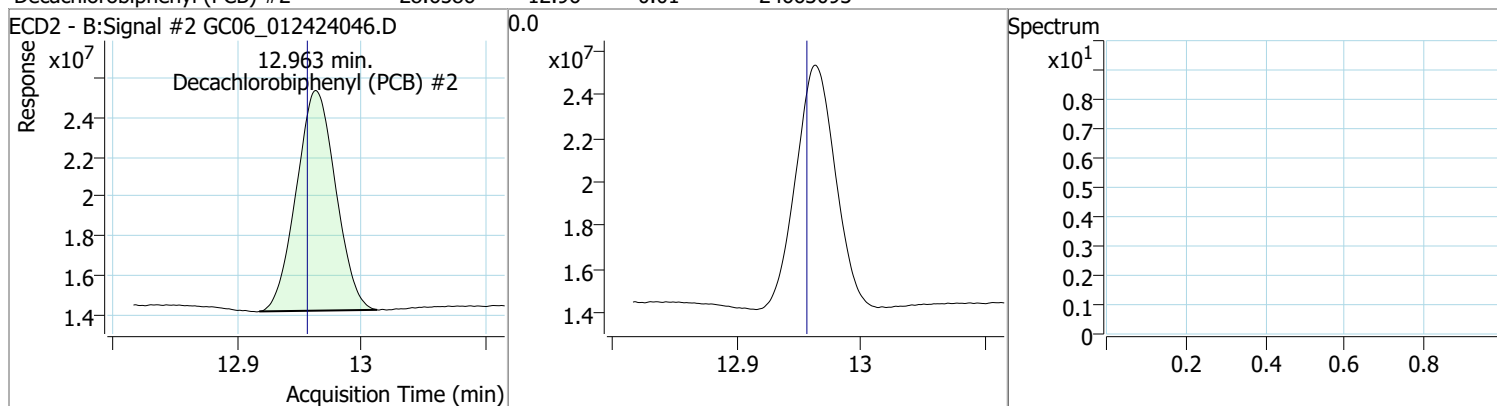
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.6652	11.51	0.05	1091193				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.7376	11.77	0.00	10938006				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.6586	12.96	-0.01	24663093				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-007	Client ID: ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-DUP-LA
Seqnum: 454035180047	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424047	Batch: 330971	Time: 24-JAN-2024 23:52
Cal: 454035180003	Caldate: 24-JAN-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	9.009	ND	1.3	175%	0.50		u
Aroclor-1016 Peak # 1	B	24.37	0.24	2.07	158%			
Aroclor-1016 Peak # 2	B	3.483	0.03	0.20	141%			
Aroclor-1016 Peak # 3	B	10.54	0.11	4.19	190%			
Aroclor-1016 Peak # 4	B	0.3793	0.00	0.08	182%			
Aroclor-1016 Peak # 5	B	6.271	0.06	0.10	44%			
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	35.60	ND	1.1	101%	0.50		u
Aroclor-1260 Peak # 1	B	12.62	0.13	2.73	182%			
Aroclor-1260 Peak # 2	B	3.497	0.03	0.01	105%			
Aroclor-1260 Peak # 3	B	2.526	0.03	0.13	133%			
Aroclor-1260 Peak # 4	B	140.9	1.41	2.15	42%			
Aroclor-1260 Peak # 5	B	18.42	0.18	0.43	80%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.29	0.5000	0.3629	73	19-121	c+ u
Decachlorobiphenyl (PCB)	B	27.22	0.5000	0.2722	54	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	23491286	94.09
1-bromo-2-nitrobenzene (PCB)	A	2388025	3815411	59.77

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.09	-0.01

01/25/24 : WIPE/1S-10ML

+ = high bias c = CCV u = use

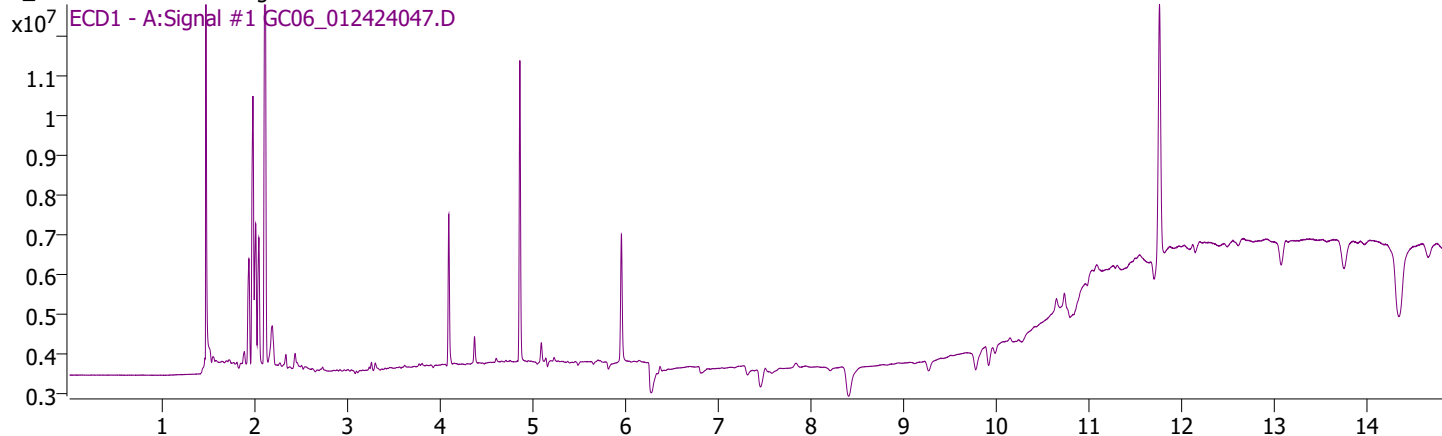
Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

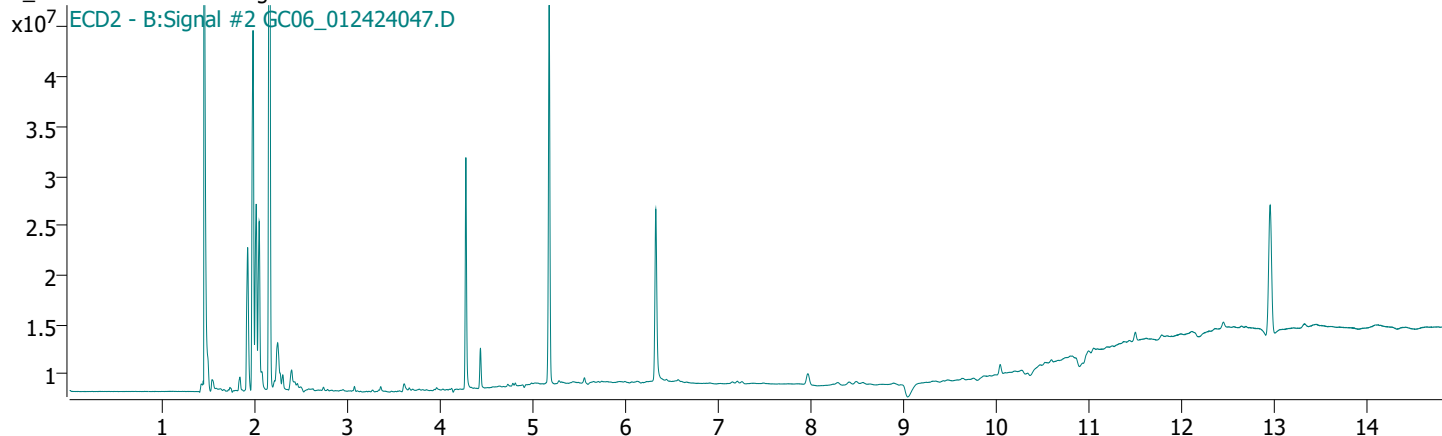
Quantitation Results Report (Not Reviewed)

Data File	GC06_012424047.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 11:52:39 PM
Sample Name	500180-007, 330971, 1	Instrument	SVOA-GC06
Vial	37	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			

GC06_012424047.D No MS Signals



GC06_012424047.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.094	0.0	3815410.98 1	20.0000	ng/ml	-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.278	0.0	23491286.4 63	20.0000	ng/ml	-0.006
System Monitoring Compounds						
S TCMX (PCB)	4.862	0.0	7466367.78 1	42.4803	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.40%	*	
S TCMX (PCB) #2	5.178	0.0	42038296.0 10	36.2888	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.44%	*	
S Decachlorobiphenyl (PCB)	11.768	0.0	13009316.0 39	45.5729	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.86%	*	
S Decachlorobiphenyl (PCB) #2	12.963	0.0	28470501.2 70	27.2239	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 136.12%		

Target Compounds

QValue

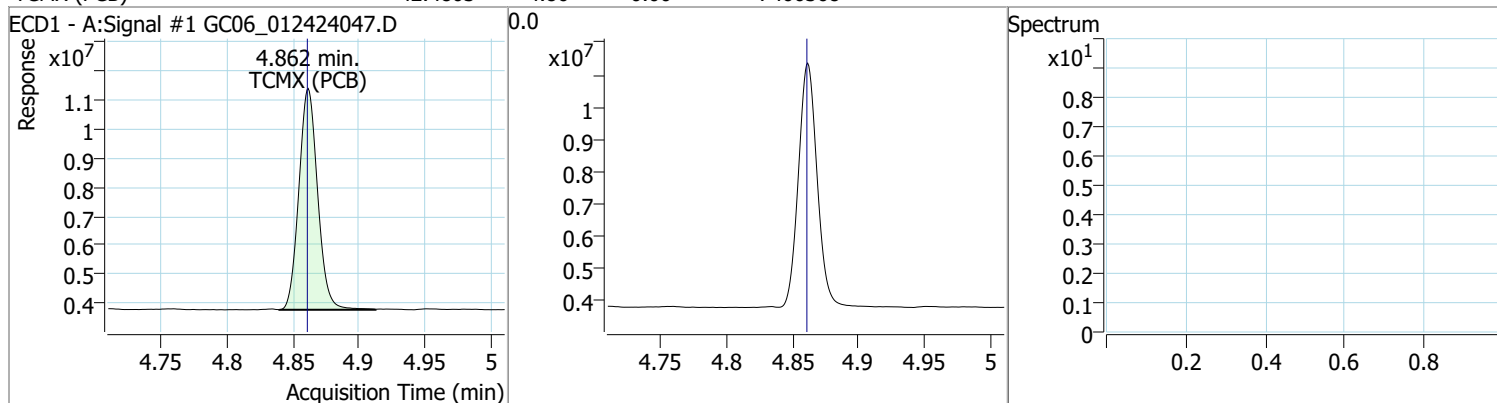
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.231	0.0	810493.312	206.8260	ng/ml	100
T AR1016 2	5.461	0.0	157400.610	20.0705	ng/ml	100
T AR1016 1 #2	5.659	0.0	713601.681	24.3699	ng/ml	100
T AR1016 3	5.958	0.0	4295861.727	418.6431	ng/ml	100
T AR1016 2 #2	6.074	0.0	171214.108	3.4830	ng/ml	100
T AR1016 4	6.090	0.0	60971.486	8.0815	ng/ml	100
T AR1016 5	6.588	0.0	62126.657	9.8203	ng/ml	100
T AR1016 3 #2	6.568	0.0	699430.360	10.5414	ng/ml	100
T AR1016 4 #2	6.733	0.0	17220.765	0.3793	ng/ml	100
T AR1016 5 #2	7.388	0.0	256989.225	6.2707	ng/ml	100
T AR1260 1	8.338	0.0	3677418.593	272.7523	ng/ml	100
T AR1260 2	8.869	0.0	22173.458	1.0904	ng/ml	100
T AR1260 3	9.233	0.0	277187.904	12.5485	ng/ml	100
T AR1260 1 #2	9.635	0.0	798559.553	12.6158	ng/ml	100
T AR1260 4	9.888	0.0	2614320.598	215.2083	ng/ml	100
T AR1260 2 #2	9.933	0.0	255897.607	3.4970	ng/ml	100
T AR1260 3 #2	10.345	0.0	227286.090	2.5265	ng/ml	100
T AR1260 5	10.655	0.0	633613.281	42.9686	ng/ml	100
T AR1260 4 #2	10.824	0.0	7357173.383	140.9354	ng/ml	100
T AR1260 5 #2	11.508	0.0	1465895.792	18.4230	ng/ml	100

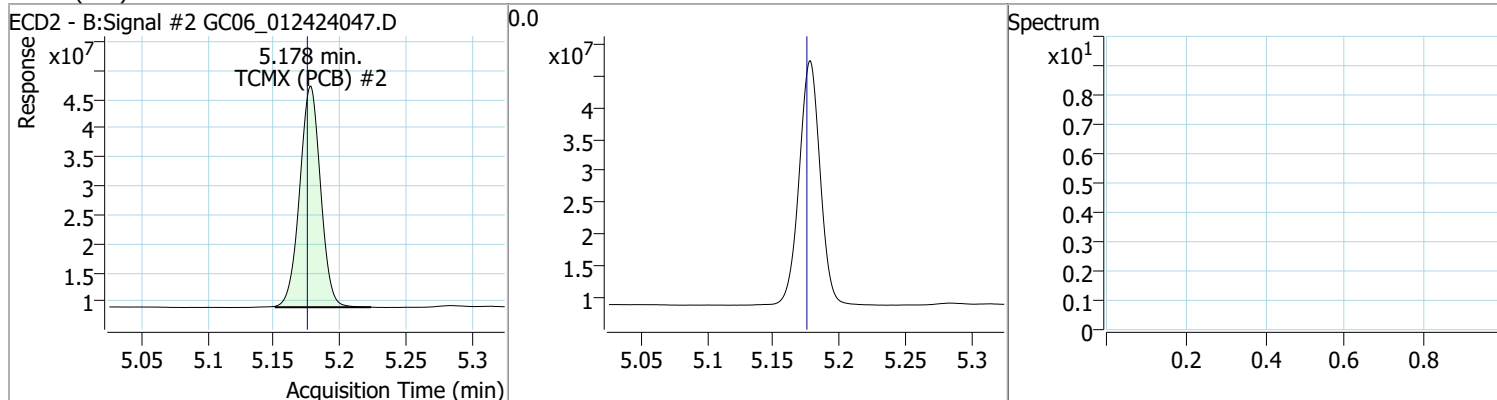
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

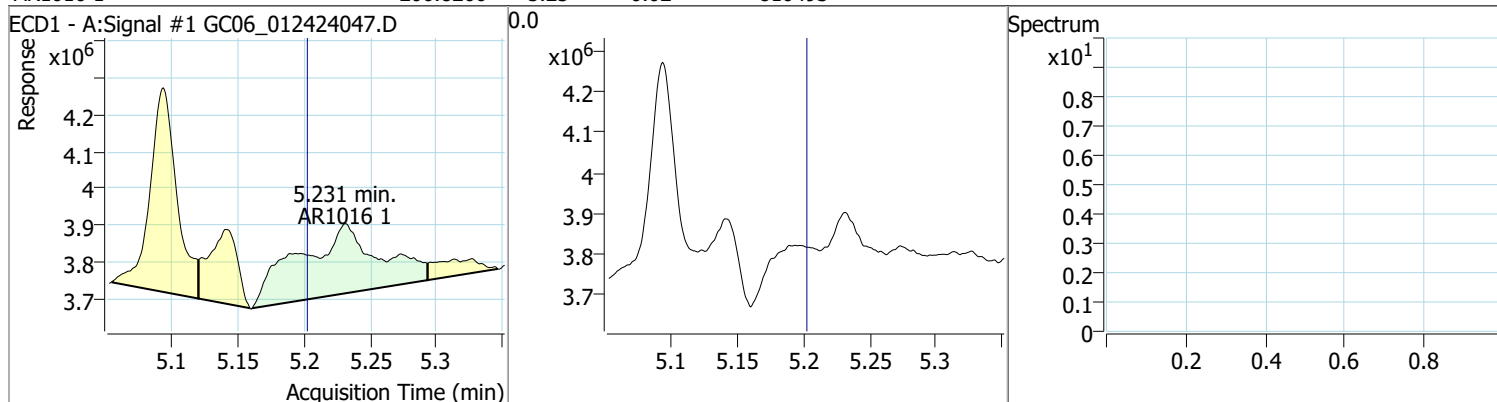
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	42.4803	4.86	0.00	7466368				



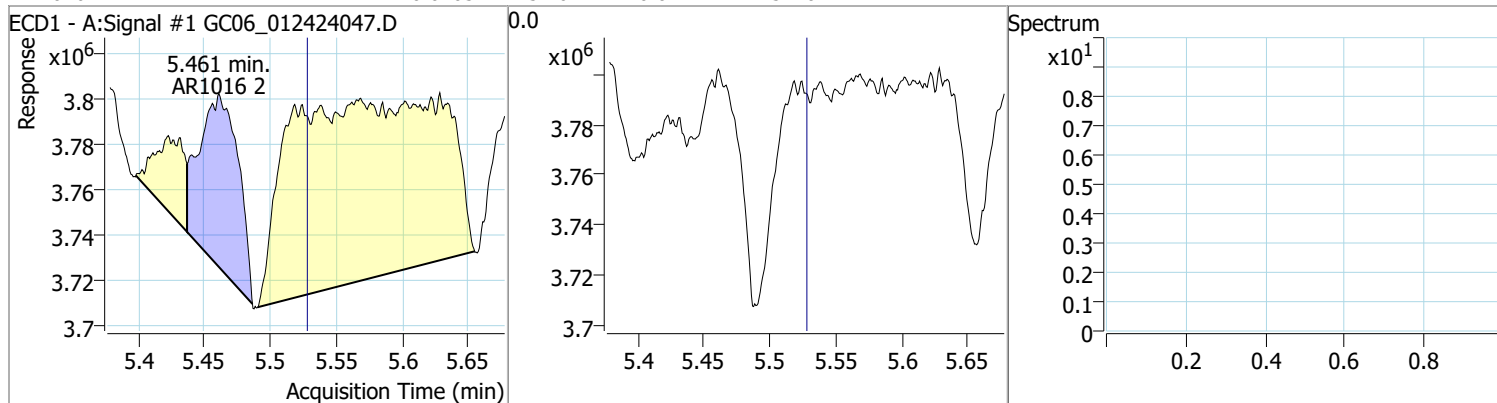
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.2888	5.18	0.00	42038296				



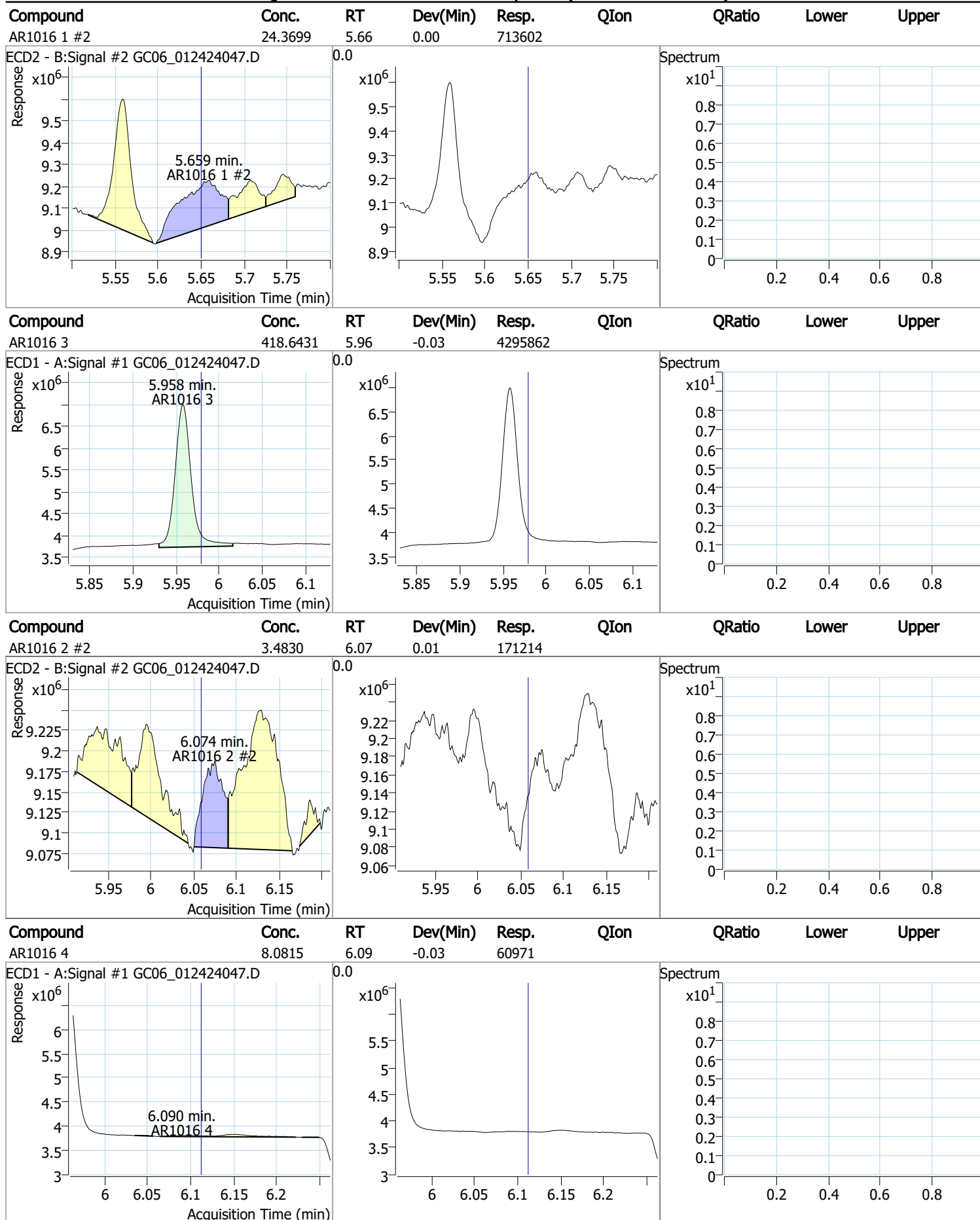
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	206.8260	5.23	0.02	810493				



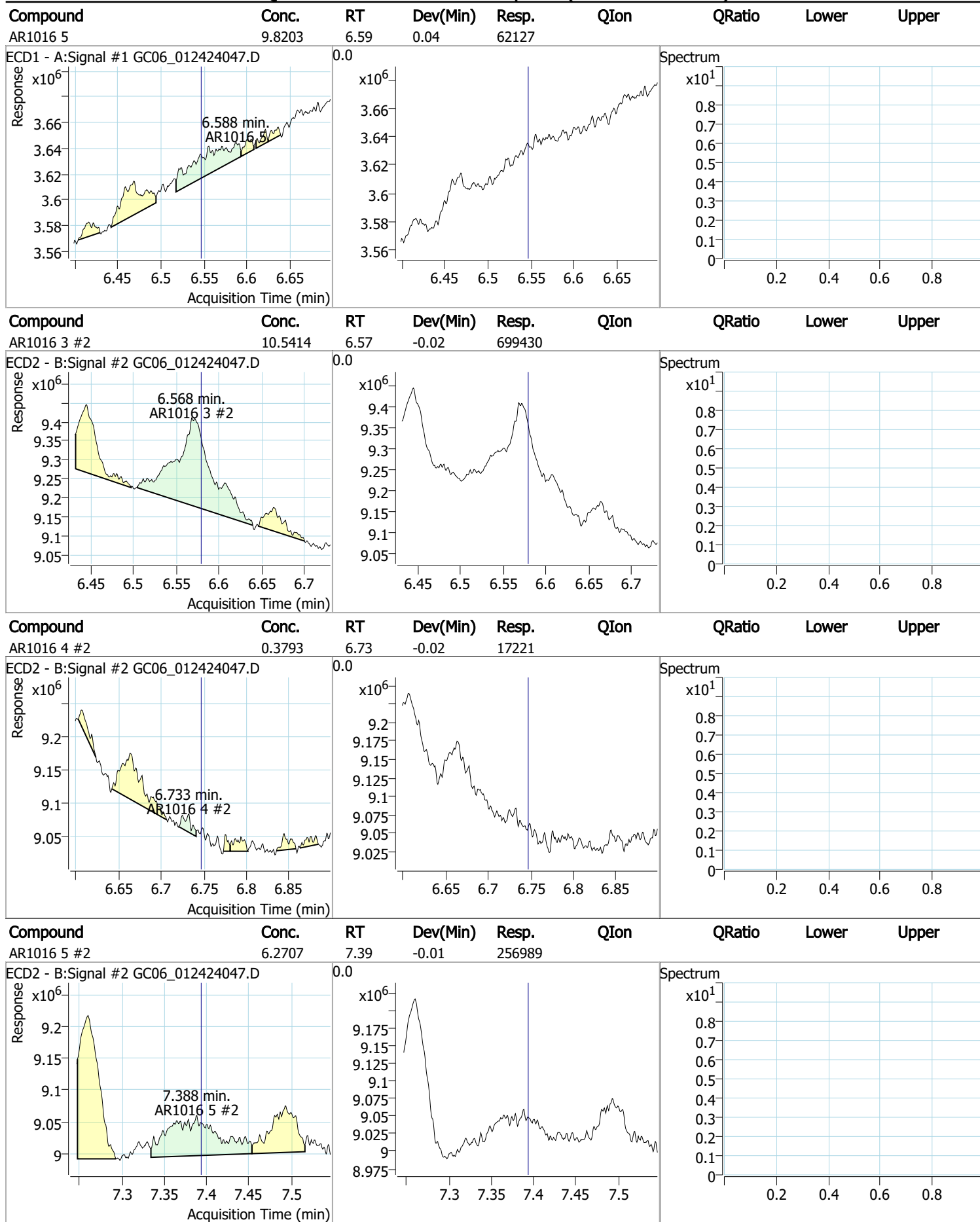
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	20.0705	5.46	-0.07	157401				



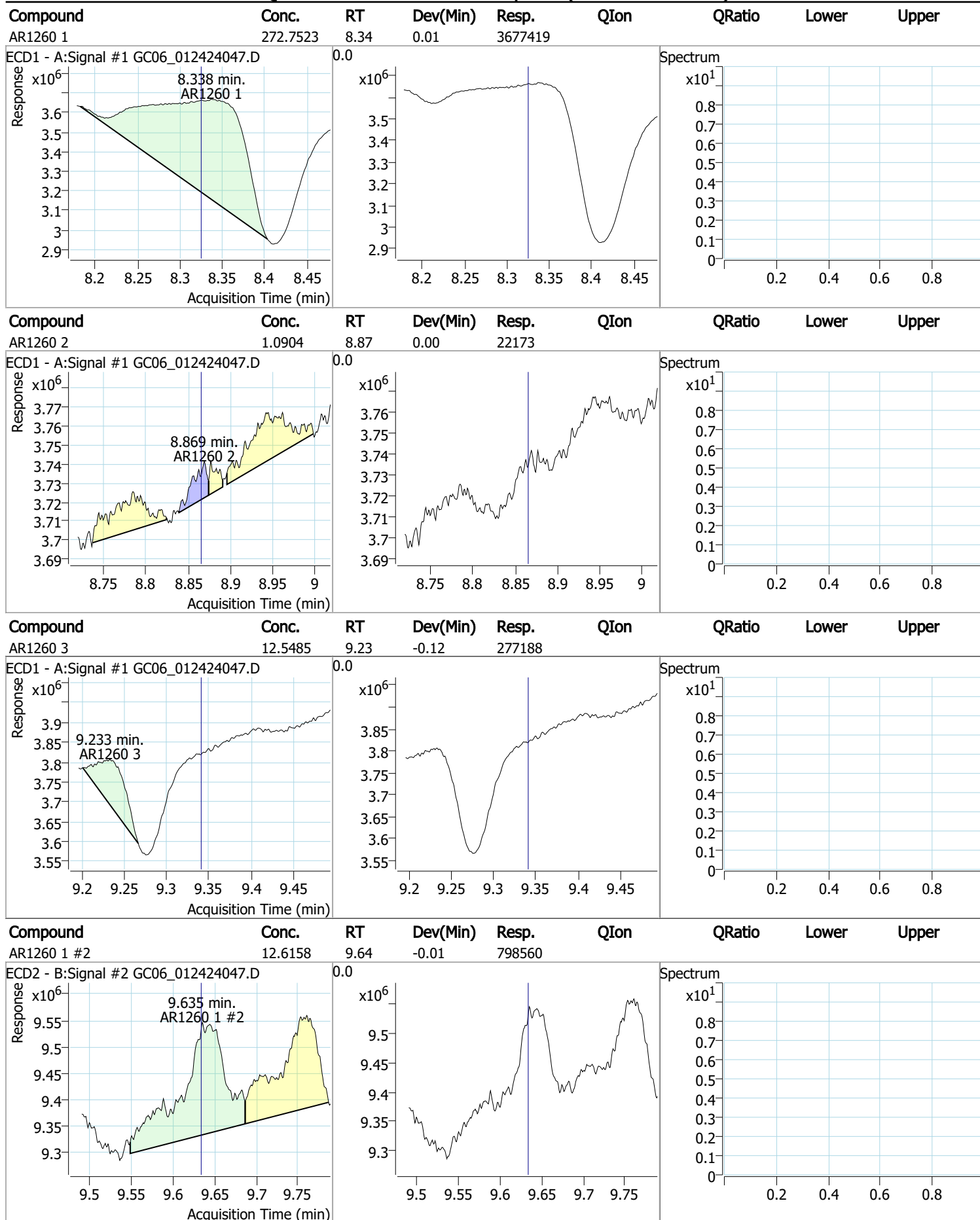
Quantitation Results Report (Not Reviewed)



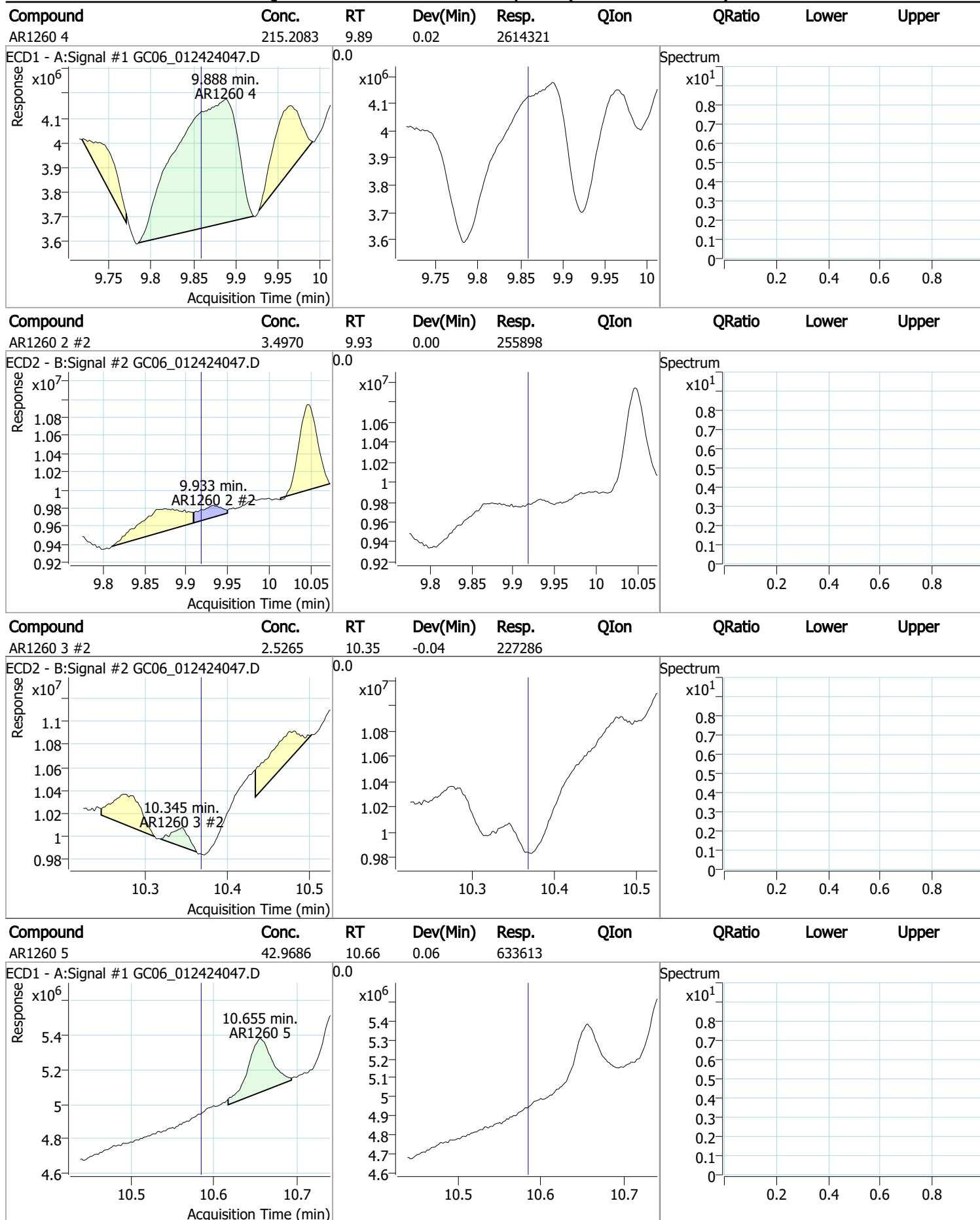
Quantitation Results Report (Not Reviewed)



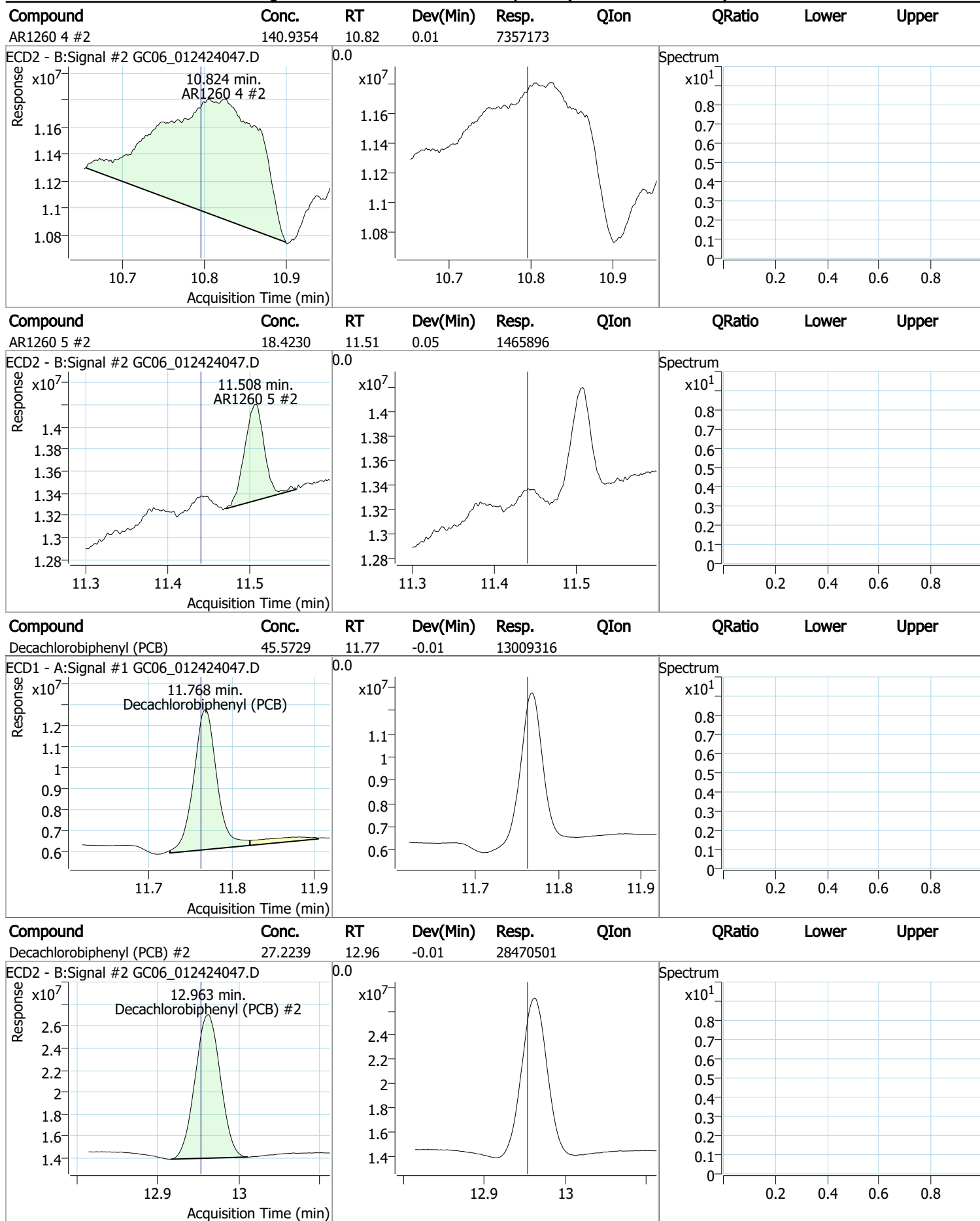
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-009	Client ID: ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-P-LA
Seqnum: 454035180048.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424048	Batch: 330971	Time: 25-JAN-2024 00:12
Cal: 454035180003	Caldate: 24-JAN-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

• 1.09 dm2 ⇒ 10.0 ml = 9.151 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	18.63	ND	1.3	155%	0.46		u
Aroclor-1016 Peak # 1	B	47.71	0.44	3.06	150%			
Aroclor-1016 Peak # 2	B	17.79	0.16	0.24	39%			
Aroclor-1016 Peak # 3	B	17.25	0.16	3.33	182%			
Aroclor-1016 Peak # 4	B	0.3149	0.00	0.03	166%			
Aroclor-1016 Peak # 5	B	10.07	0.09	0.07	21%			
Aroclor-1221	B		ND			0.46		u
Aroclor-1232	B		ND			0.46		u
Aroclor-1242	B		ND			0.46		u
Aroclor-1248	B		ND			0.46		u
Aroclor-1254	B		ND			0.46		u
Aroclor-1260	B	10.52	ND	1.1	167%	0.46		u
Aroclor-1260 Peak # 1	B	10.55	0.10	2.60	186%			
Aroclor-1260 Peak # 2	B	9.827	0.09	0.02	135%			
Aroclor-1260 Peak # 3	B	5.190	0.05	0.10	75%			
Aroclor-1260 Peak # 4	B	20.77	0.19	2.03	166%			
Aroclor-1260 Peak # 5	B	6.259	0.06	0.61	166%			
Aroclor-1262	B		ND			0.46		u
Aroclor-1268	B		ND			0.46		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.98	0.4576	0.3384	74	19-121	c+ u
Decachlorobiphenyl (PCB)	B	27.84	0.4576	0.2548	56	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	16812799	38.91
1-bromo-2-nitrobenzene (PCB)	A	2388025	2776370	16.26

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.09	-0.01

01/25/24 : WIPE/1S-10ML

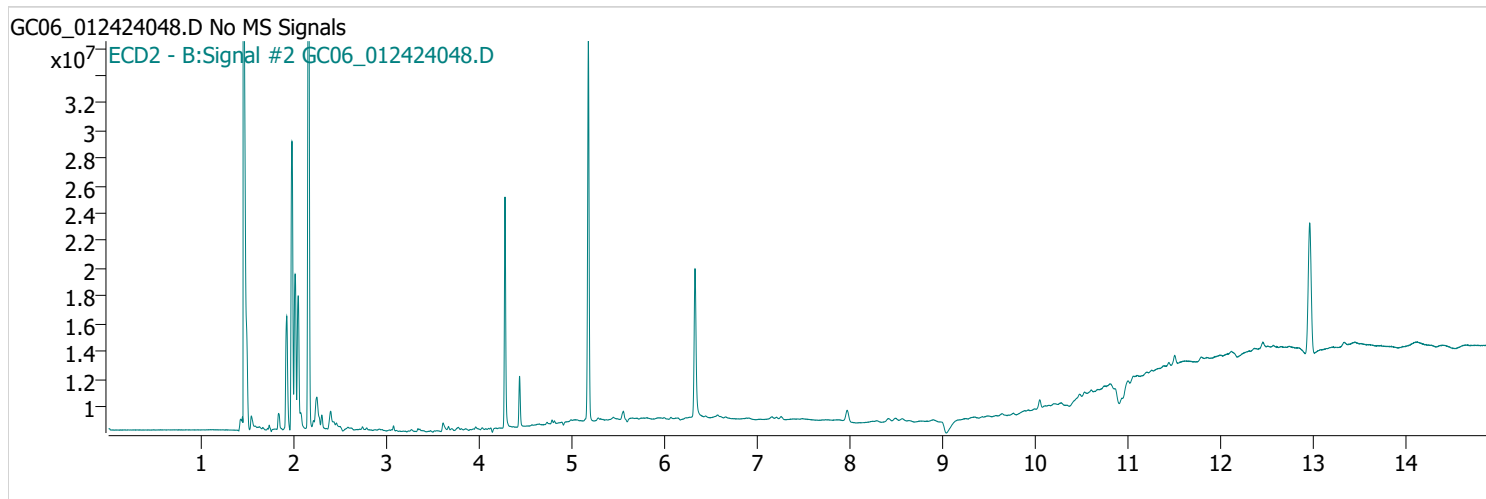
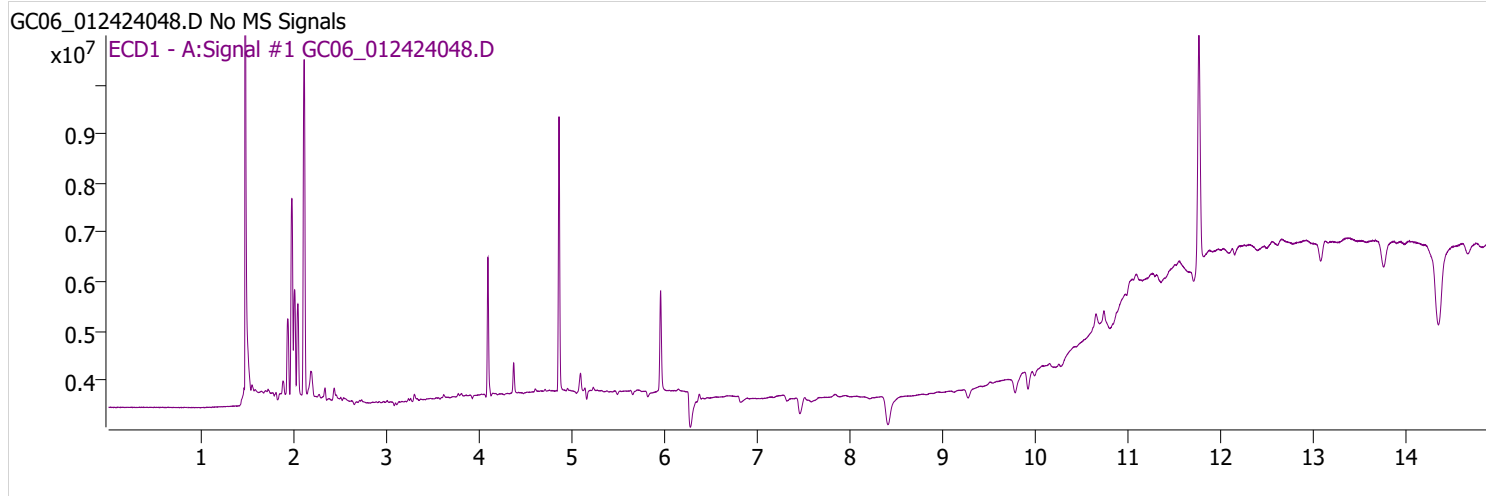
+ = high bias c = CCV u = use

Analyst: TRN 01/25/24 *

Reviewer: MTS 01/26/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_012424048.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/25/2024 12:12:29 AM
Sample Name	500180-009, 330971, 1	Instrument	SVOA-GC06
Vial	38	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.094	0.0	2776369.78 1	20.0000	ng/ml	-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.278	0.0	16812799.3 62	20.0000	ng/ml	-0.006
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	5528769.94 8	43.2285	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.14%	*	
S TCMX (PCB) #2	5.178	0.0	30657839.6 66	36.9774	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.89%	*	
S Decachlorobiphenyl (PCB)	11.766	0.0	9715971.52 7	46.7738	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 233.87%	*	
S Decachlorobiphenyl (PCB) #2	12.962	0.0	20836441.2 32	27.8384	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 139.19%		

Target Compounds

QValue

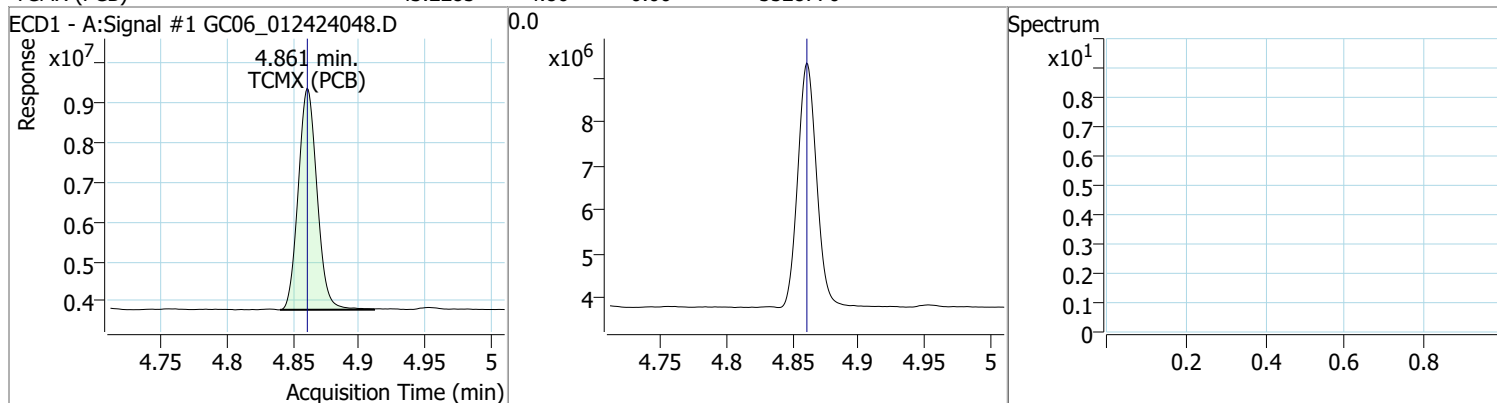
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.232	0.0	952229.868	333.9347	ng/ml	100
T AR1016 2	5.465	0.0	150218.512	26.3233	ng/ml	100
T AR1016 1 #2	5.651	0.0	999802.234	47.7066	ng/ml	100
T AR1016 3	5.958	0.0	2718404.15 1	364.0589	ng/ml	100
T AR1016 2 #2	6.069	0.0	625964.371	17.7921	ng/ml	100
T AR1016 4	6.106	0.0	18728.753	3.4115	ng/ml	100
T AR1016 5	6.556	0.0	37618.206	8.1717	ng/ml	100
T AR1016 3 #2	6.575	0.0	819185.104	17.2505	ng/ml	100
T AR1016 4 #2	6.752	0.0	10232.527	0.3149	ng/ml	100
T AR1016 5 #2	7.438	0.0	295257.233	10.0663	ng/ml	100
T AR1260 1	8.333	0.0	2784965.91 2	283.8633	ng/ml	100
T AR1260 2	8.883	0.0	28089.650	1.8983	ng/ml	100
T AR1260 3	9.230	0.0	182515.988	11.3549	ng/ml	100
T AR1260 1 #2	9.643	0.0	477723.319	10.5451	ng/ml	100
T AR1260 4	9.886	0.0	1963709.36 5	222.1475	ng/ml	100
T AR1260 2 #2	9.931	0.0	514644.712	9.8265	ng/ml	100
T AR1260 3 #2	10.282	0.0	334162.166	5.1899	ng/ml	100
T AR1260 5	10.656	0.0	712313.418	66.3838	ng/ml	100
T AR1260 4 #2	10.779	0.0	775962.045	20.7690	ng/ml	100
T AR1260 5 #2	11.443	0.0	356428.799	6.2589	ng/ml	100

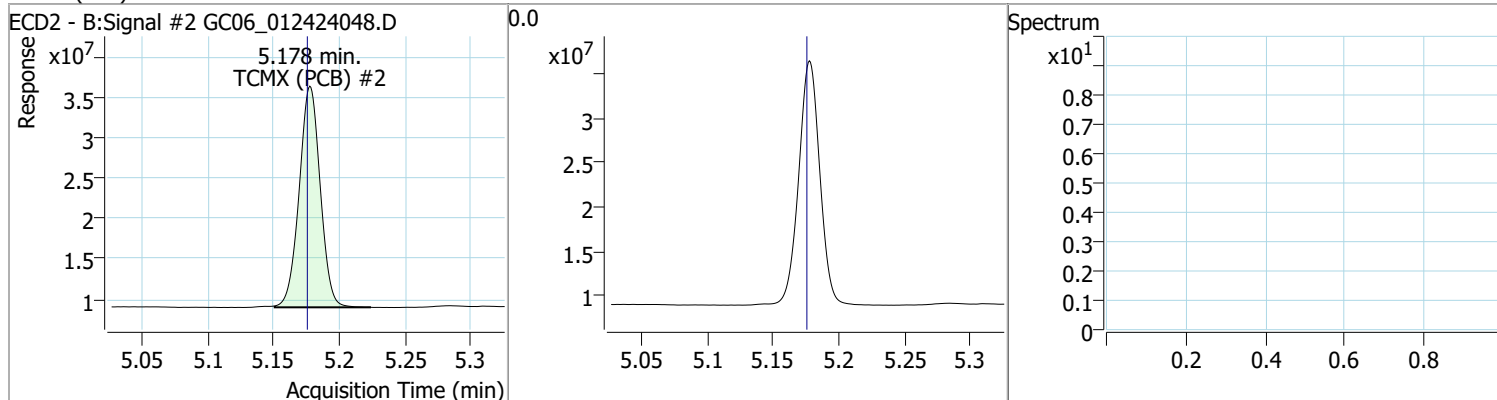
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

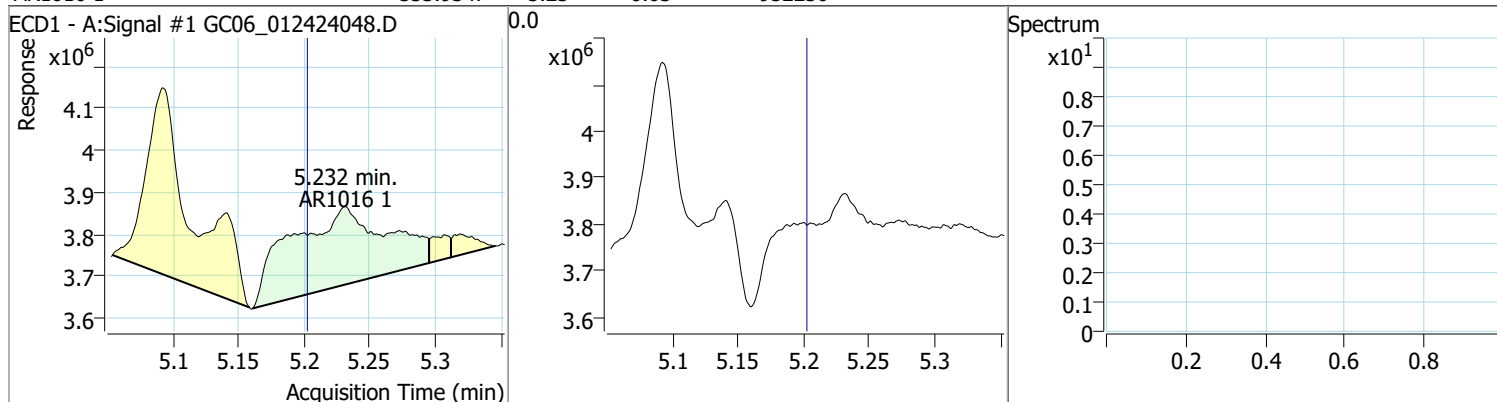
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.2285	4.86	0.00	5528770				



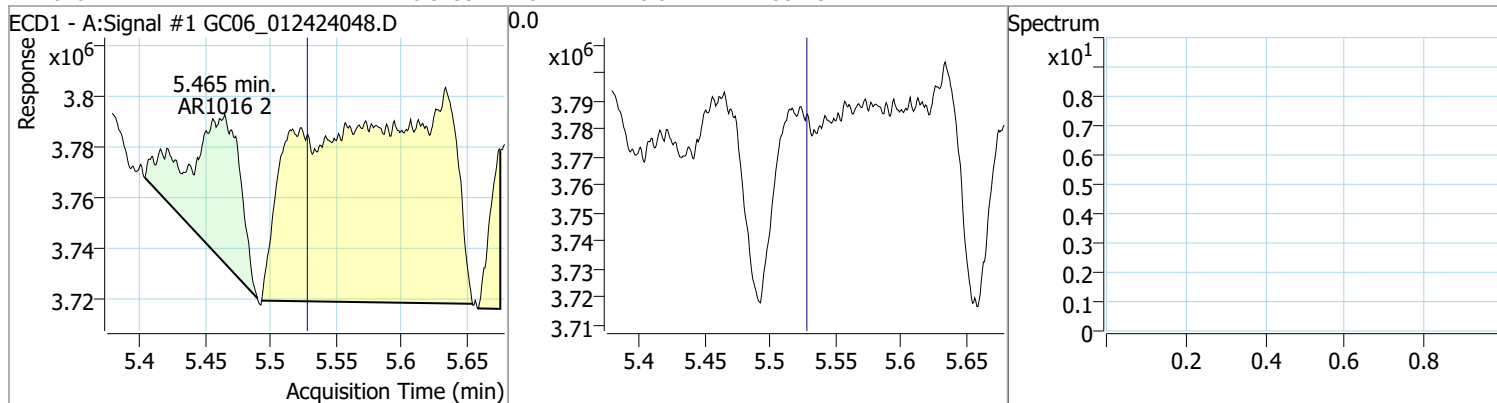
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.9774	5.18	0.00	30657840				



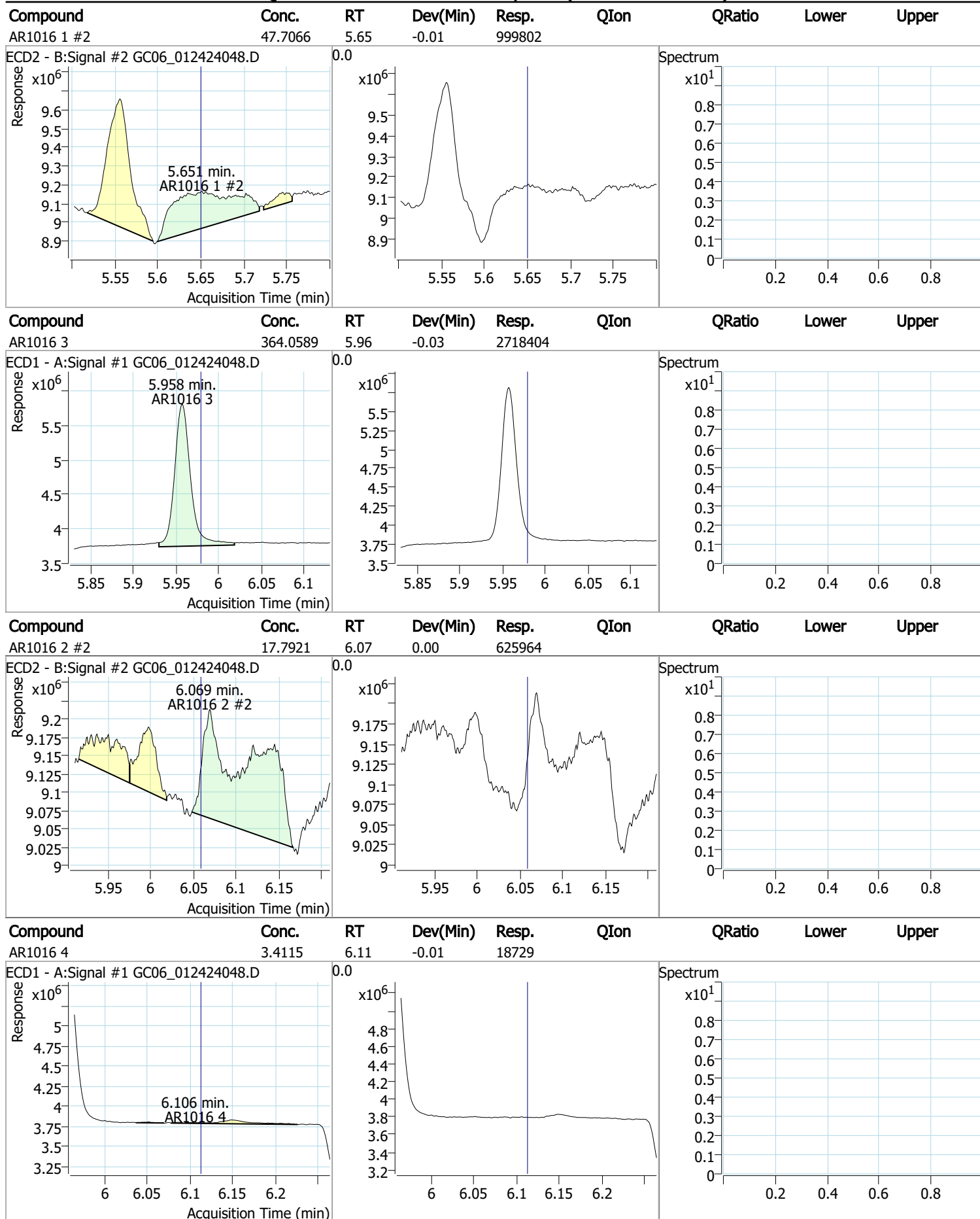
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	333.9347	5.23	0.03	952230				



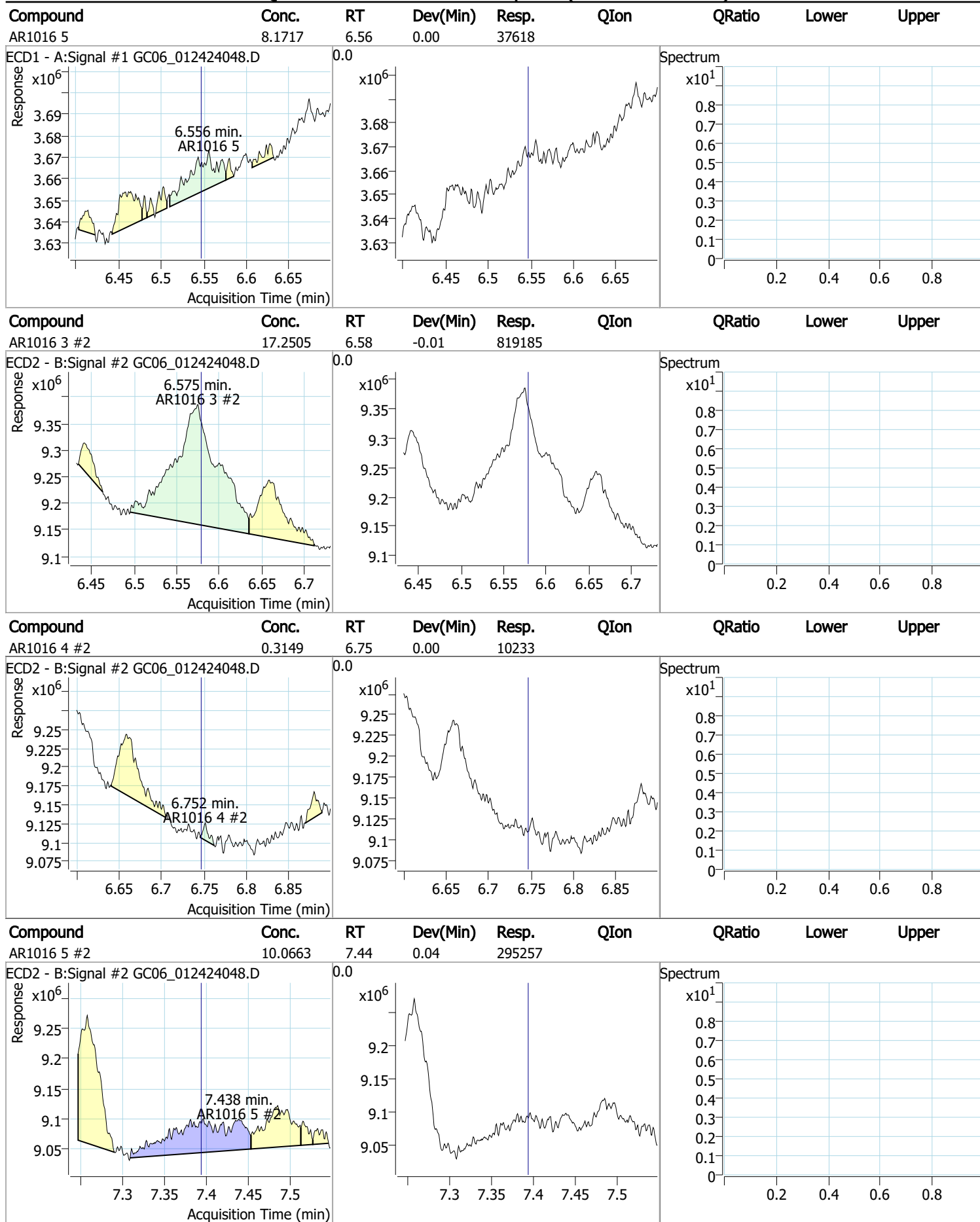
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.3233	5.47	-0.07	150219				



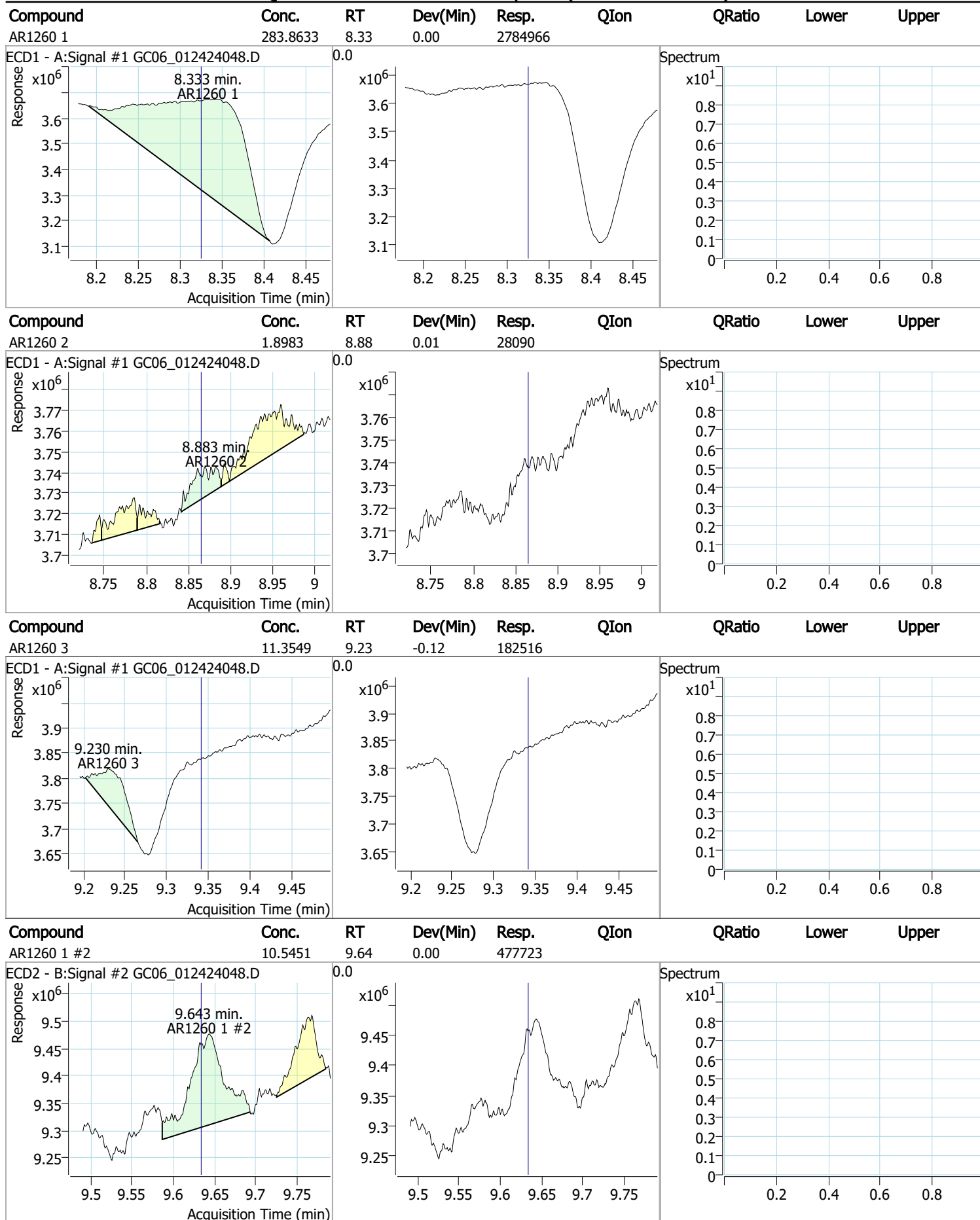
Quantitation Results Report (Not Reviewed)



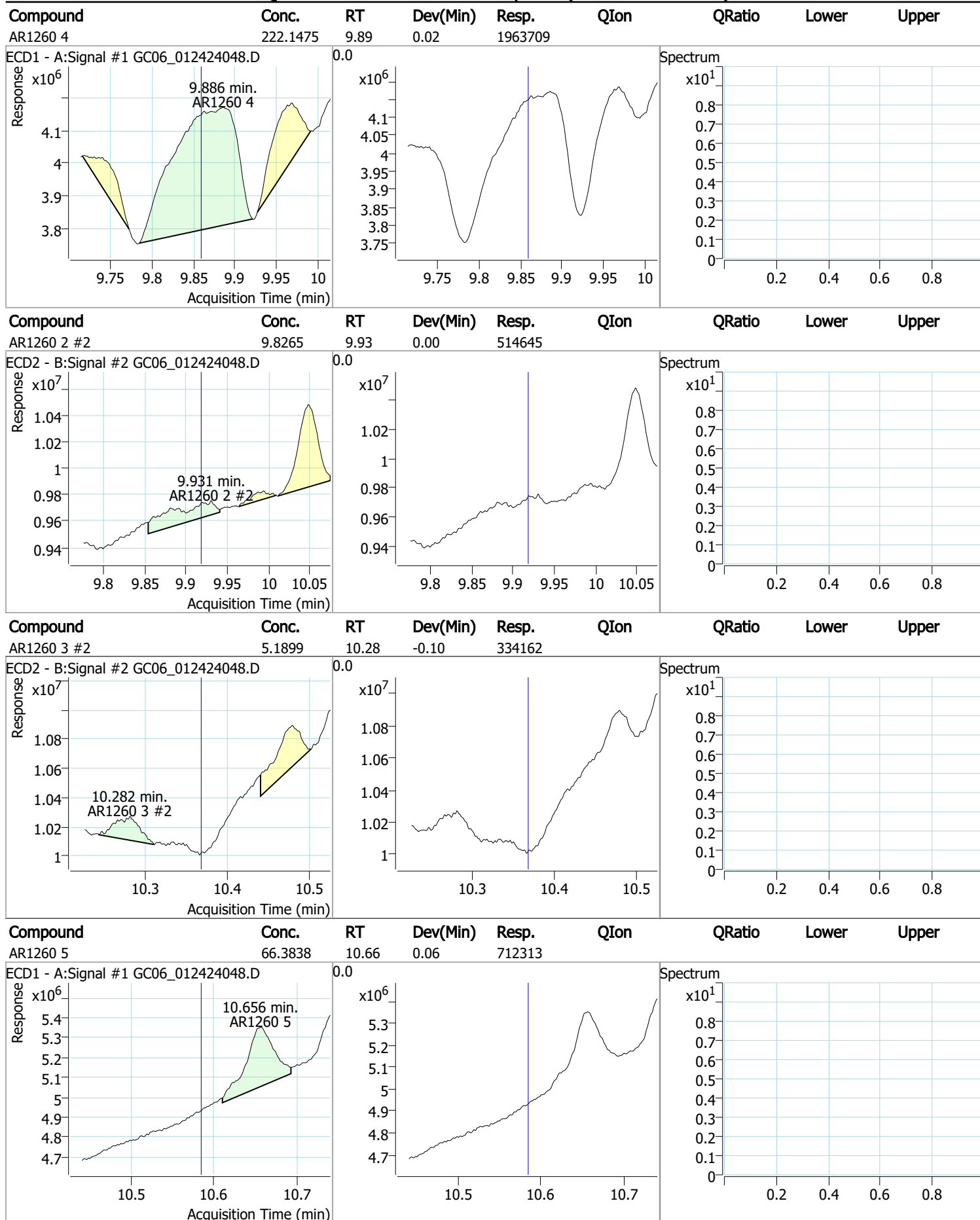
Quantitation Results Report (Not Reviewed)



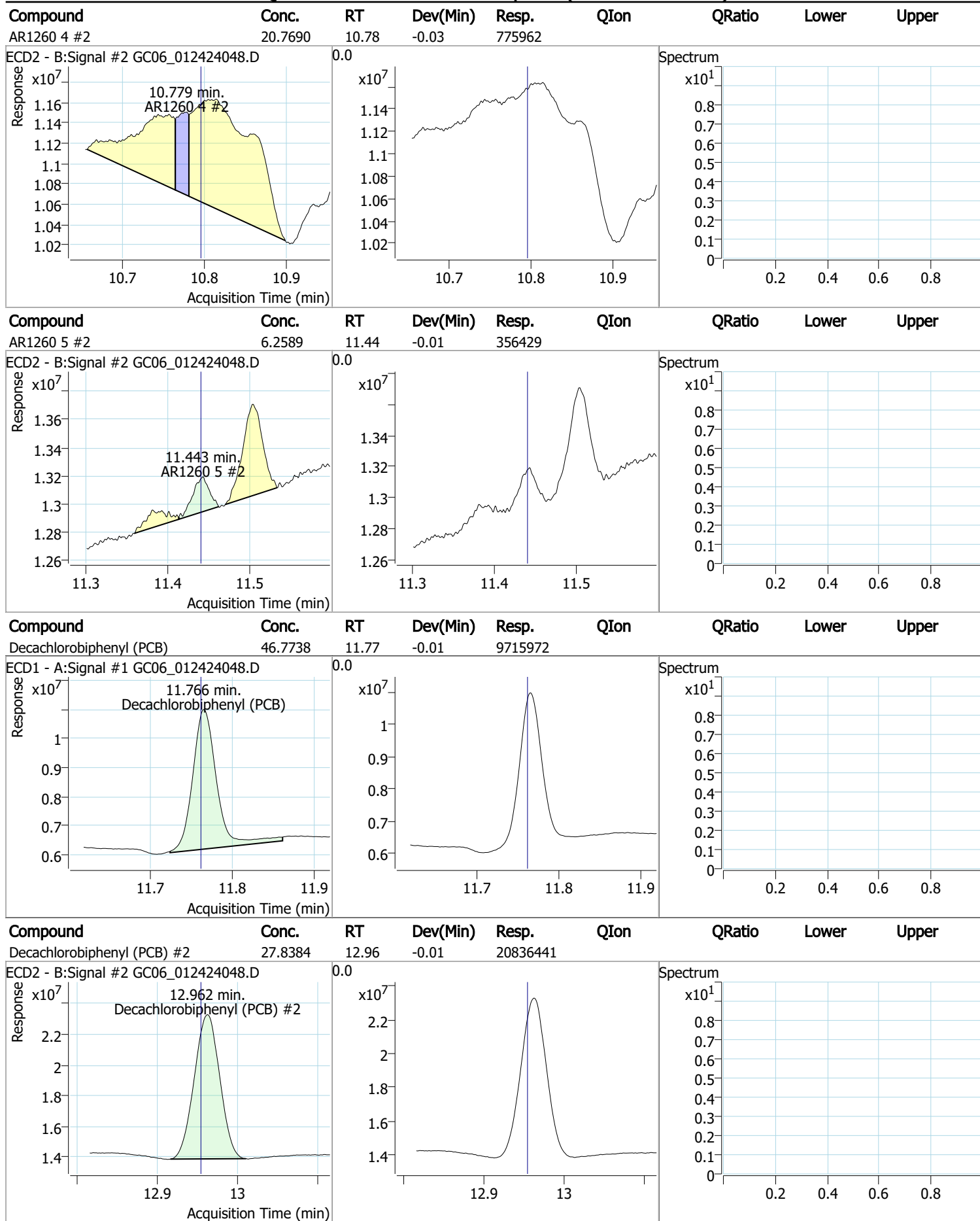
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-011	Client ID: ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-P-LA
Seqnum: 454035180049	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424049	Batch: 330971	Time: 25-JAN-2024 00:32
Cal: 454035180003	Caldate: 24-JAN-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	13.87	ND	1.3	162%	0.50		u
Aroclor-1016 Peak # 1	B	45.30	0.45	2.18	131%			
Aroclor-1016 Peak # 2	B	5.312	0.05	0.23	124%			
Aroclor-1016 Peak # 3	B	14.39	0.14	4.09	186%			
Aroclor-1016 Peak # 4	B	0.7166	0.01	0.06	160%			
Aroclor-1016 Peak # 5	B	3.643	0.04	0.05	29%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	42.65	ND	1.3	99%	0.50		u
Aroclor-1260 Peak # 1	B	10.79	0.11	3.10	187%			
Aroclor-1260 Peak # 2	B	21.11	0.21	0.02	159%			
Aroclor-1260 Peak # 3	B	3.195	0.03	0.12	118%			
Aroclor-1260 Peak # 4	B	155.2	1.55	2.50	47%			
Aroclor-1260 Peak # 5	B	22.94	0.23	0.58	87%			
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	40.90	0.5000	0.4090	82	19-121	c+ u
Decachlorobiphenyl (PCB)	B	31.47	0.5000	0.3147	63	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	20443575	68.91
1-bromo-2-nitrobenzene (PCB)	A	2388025	3349138	40.25

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.09	-0.01

01/25/24 : WIPE/1S-10ML

+ = high bias c = CCV u = use

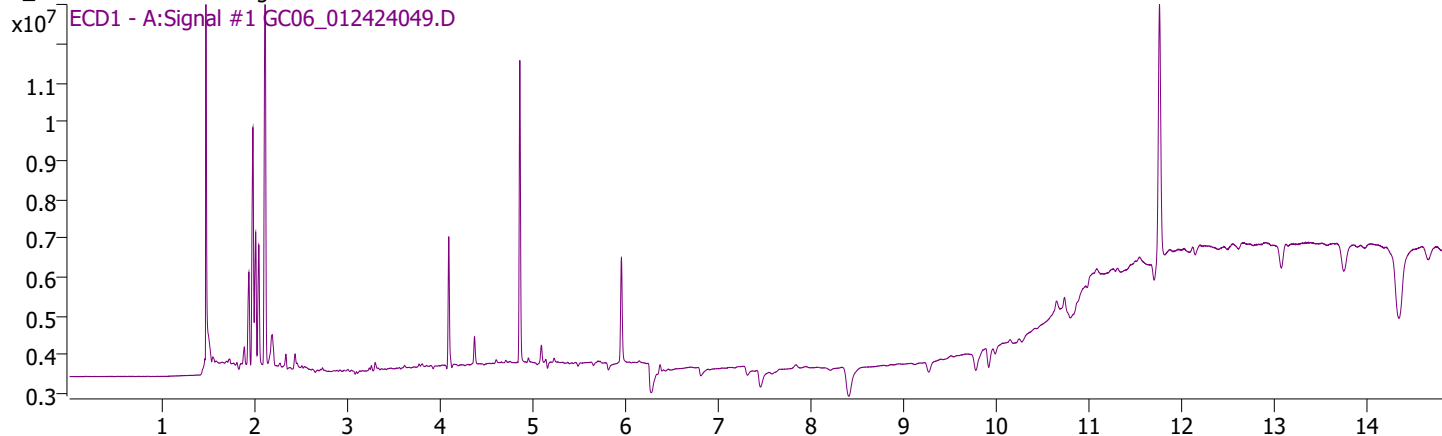
Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

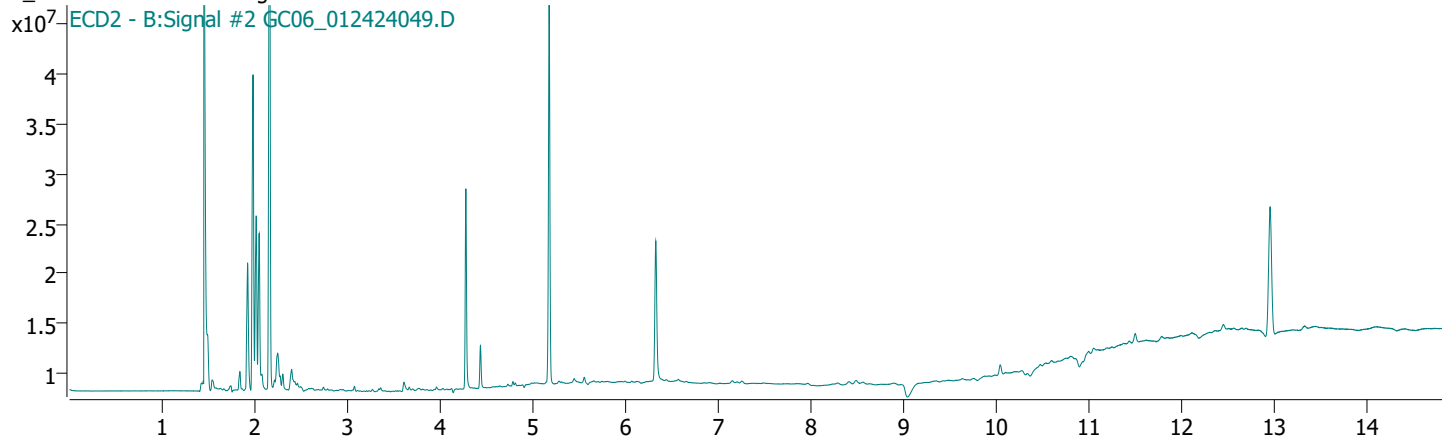
Quantitation Results Report (Not Reviewed)

Data File	GC06_012424049.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/25/2024 12:32:04 AM
Sample Name	500180-011, 330971, 1	Instrument	SVOA-GC06
Vial	39	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			

GC06_012424049.D No MS Signals



GC06_012424049.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	3349137.816	20.0000	ng/ml	-0.005
M 1-bromo-2-nitrobenzene (PCB) #2	4.278	0.0	20443575.390	20.0000	ng/ml	-0.007
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	7587388.624	49.1789	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 245.89%		*
S TCMX (PCB) #2	5.178	0.0	41231100.906	40.8981	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.49%		*
S Decachlorobiphenyl (PCB)	11.767	0.0	13976217.530	55.7764	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 278.88%		*
S Decachlorobiphenyl (PCB) #2	12.960	0.0	28637301.420	31.4656	ng/ml	-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.33%		*

Target Compounds

GC06_012424049.D

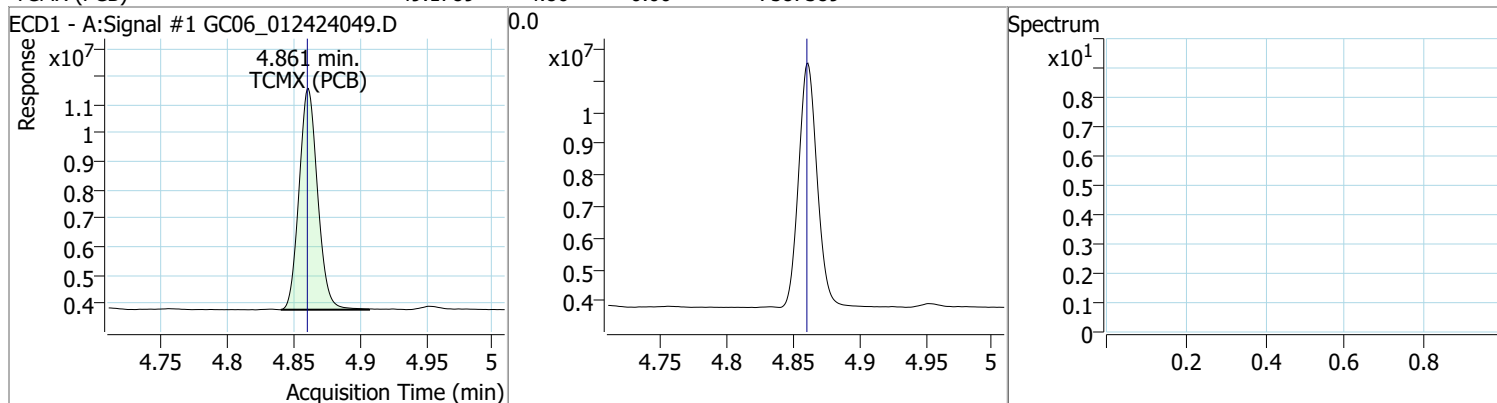
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.232	0.0	749205.312	217.8035	ng/ml	100
T AR1016 2	5.459	0.0	155844.925	22.6388	ng/ml	100
T AR1016 1 #2	5.659	0.0	1154278.049	45.2958	ng/ml	100
T AR1016 3	5.958	0.0	3681962.123	408.7721	ng/ml	100
T AR1016 2 #2	6.071	0.0	227257.205	5.3122	ng/ml	100
T AR1016 4	6.078	0.0	42214.705	6.3744	ng/ml	100
T AR1016 5	6.412	0.0	27217.800	4.9013	ng/ml	100
T AR1016 3 #2	6.573	0.0	831144.333	14.3940	ng/ml	100
T AR1016 4 #2	6.743	0.0	28312.298	0.7166	ng/ml	100
T AR1016 5 #2	7.379	0.0	129936.695	3.6432	ng/ml	100
T AR1260 1	8.333	0.0	3666990.418	309.8443	ng/ml	100
T AR1260 2	8.868	0.0	43308.457	2.4262	ng/ml	100
T AR1260 3	9.232	0.0	241230.760	12.4411	ng/ml	100
T AR1260 1 #2	9.636	0.0	594257.412	10.7878	ng/ml	100
T AR1260 4	9.890	0.0	2664710.168	249.8955	ng/ml	100
T AR1260 2 #2	9.928	0.0	1344626.392	21.1144	ng/ml	100
T AR1260 3 #2	10.339	0.0	250105.067	3.1946	ng/ml	100
T AR1260 5	10.656	0.0	753828.350	58.2381	ng/ml	100
T AR1260 4 #2	10.805	0.0	7051022.658	155.2069	ng/ml	100
T AR1260 5 #2	11.504	0.0	1588436.346	22.9391	ng/ml	100

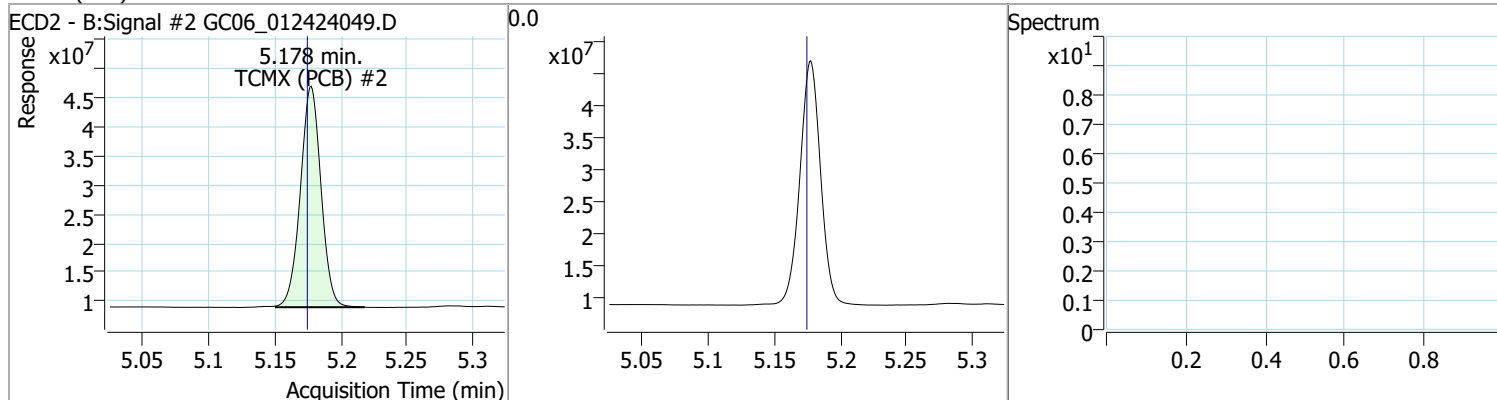
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

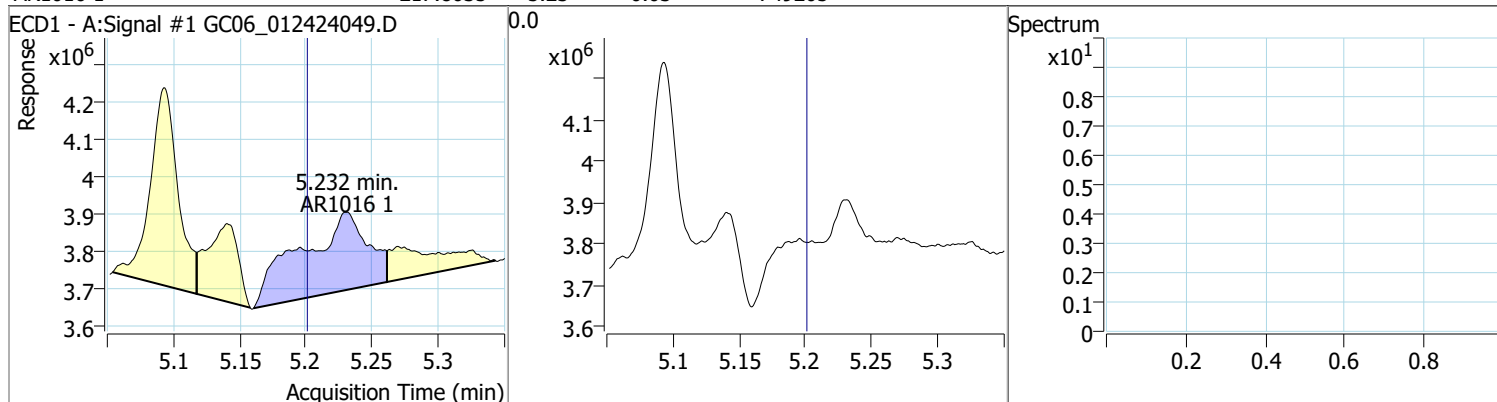
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.1789	4.86	0.00	7587389				



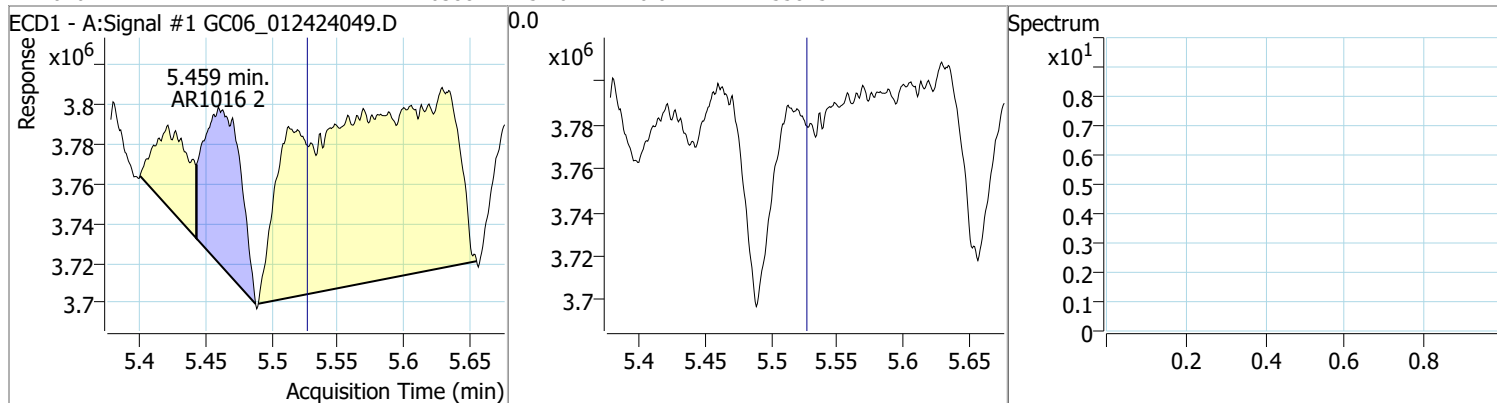
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.8981	5.18	0.00	41231101				



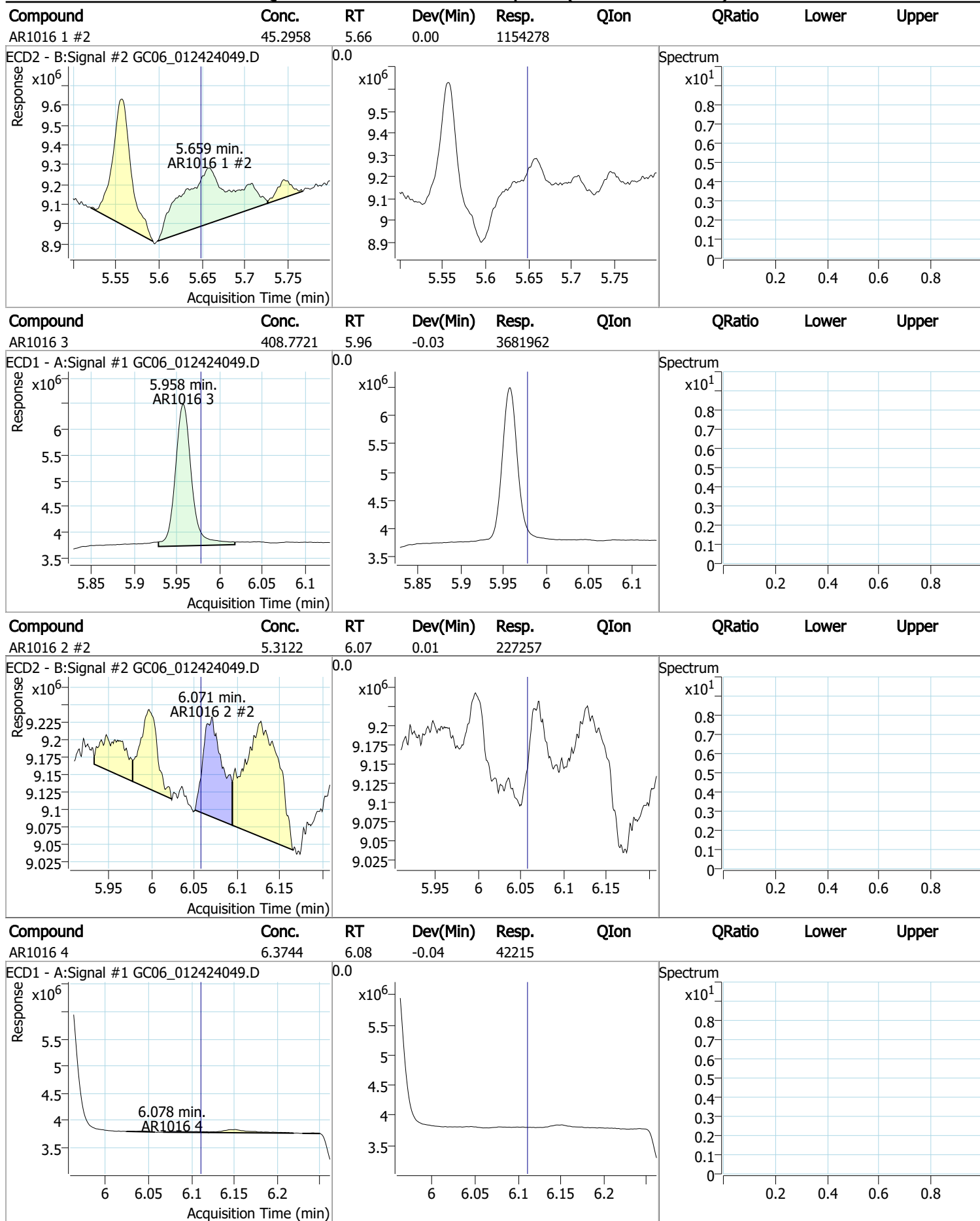
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	217.8035	5.23	0.03	749205				



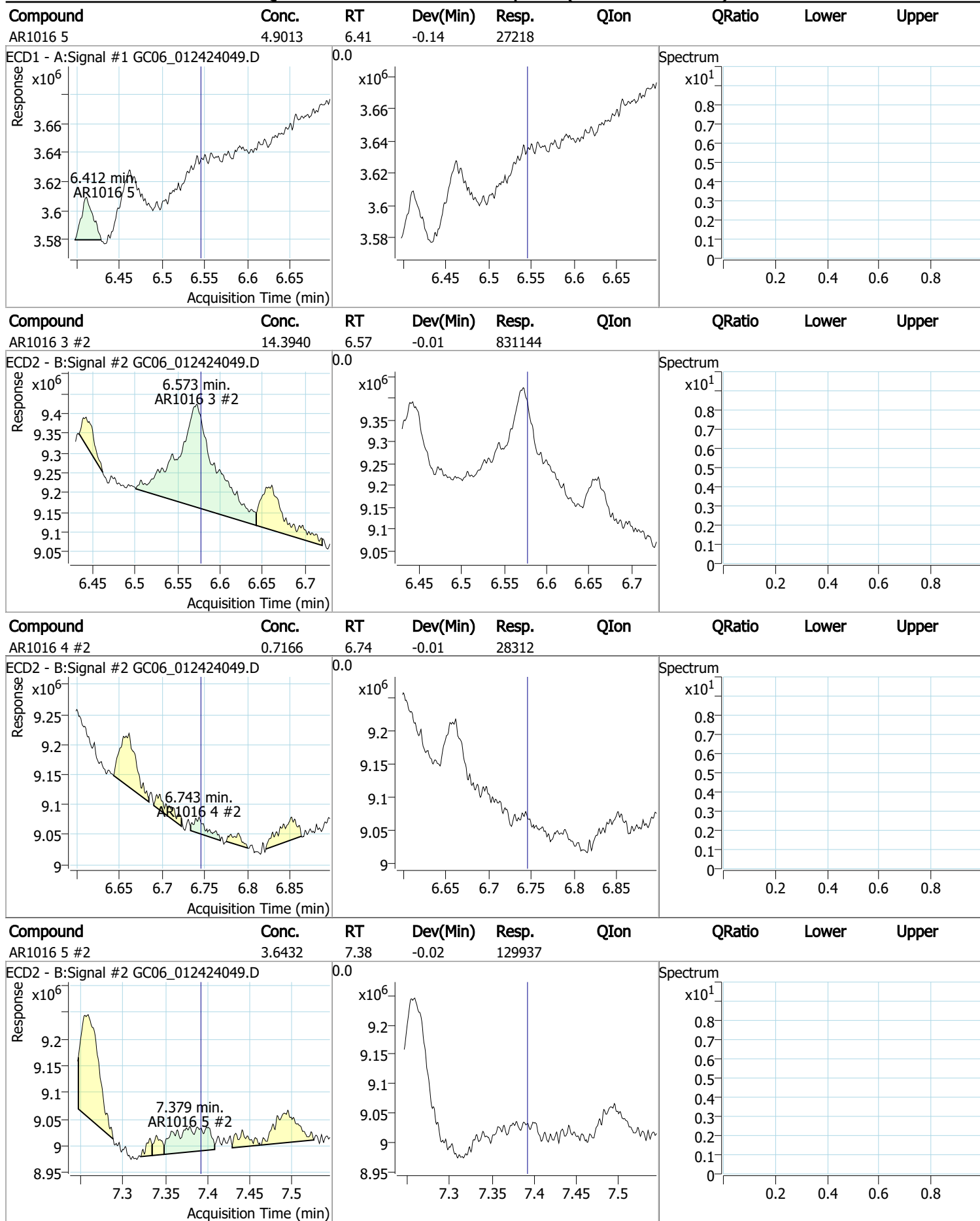
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.6388	5.46	-0.07	155845				



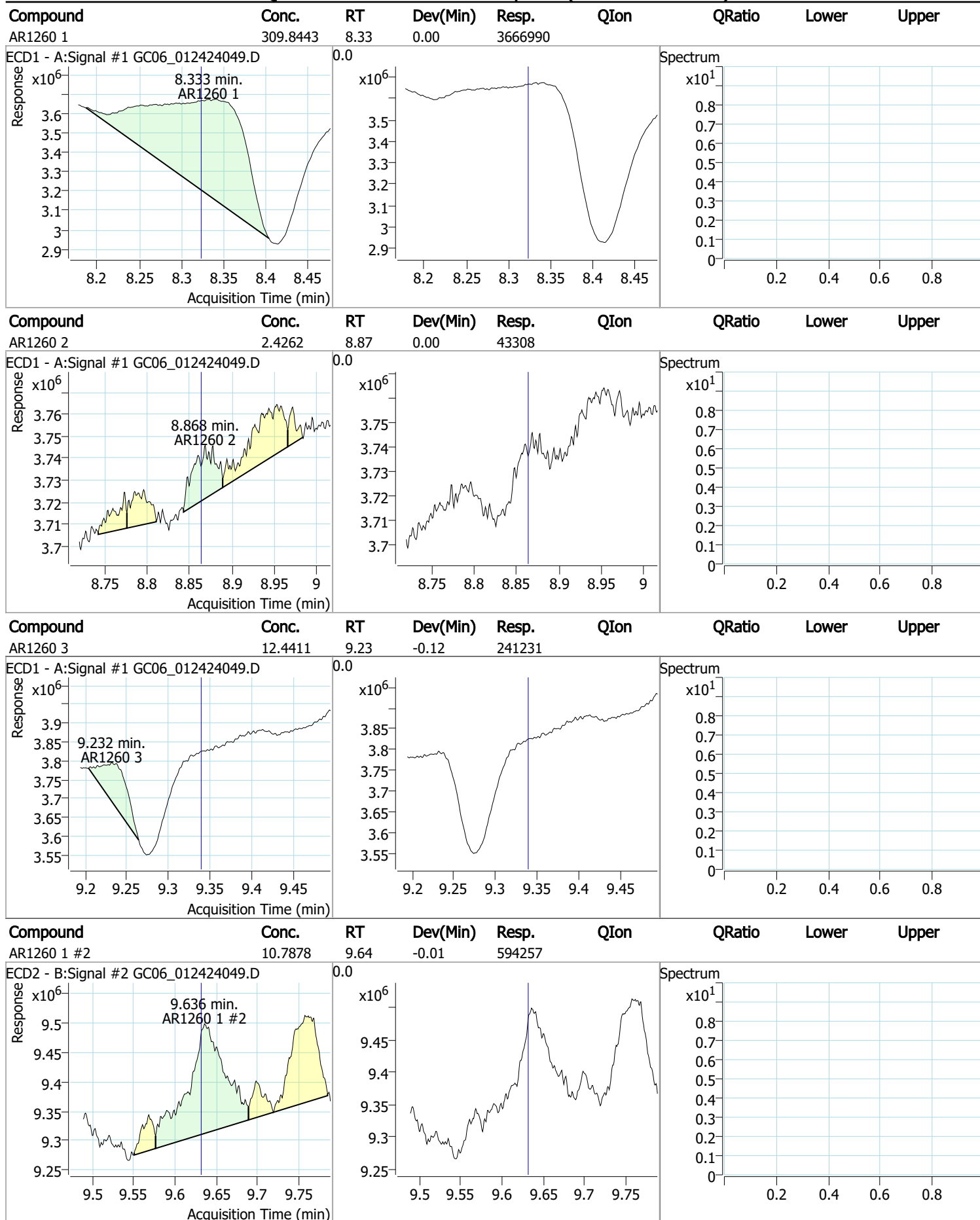
Quantitation Results Report (Not Reviewed)



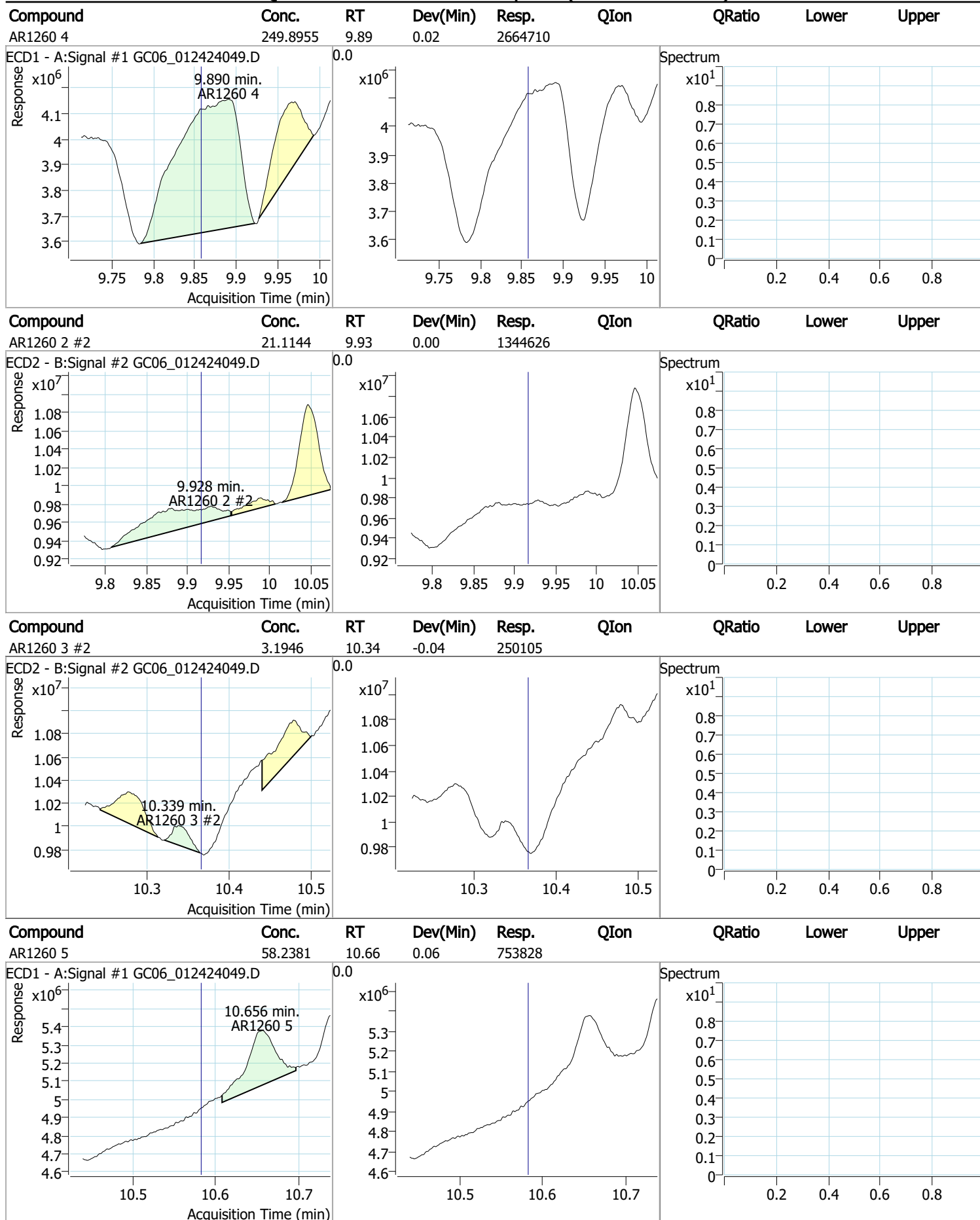
Quantitation Results Report (Not Reviewed)



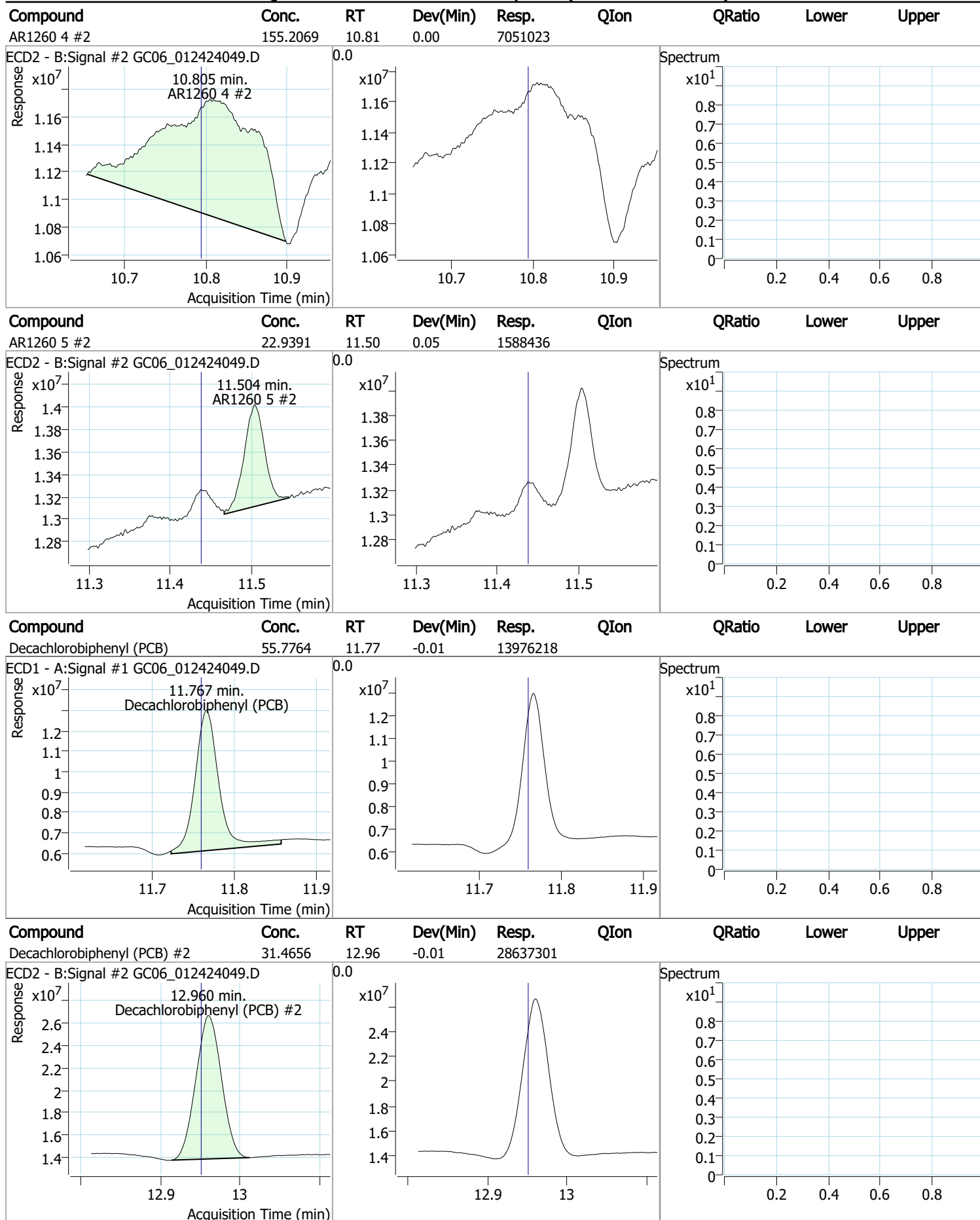
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-013	Client ID: ARCH-C13W-DG-2 TO 2.5-240118-P-FB
Seqnum: 454035180050	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424050	Batch: 330971	Time: 25-JAN-2024 00:52
Cal: 454035180003	Caldate: 24-JAN-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	17.84	ND	1.2	147%	0.50		u
Aroclor-1016 Peak # 1	B	55.55	0.56	3.07	139%			
Aroclor-1016 Peak # 2	B	2.648	0.03	0.22	156%			
Aroclor-1016 Peak # 3	B	23.03	0.23	2.53	167%			
Aroclor-1016 Peak # 4	B	2.452	0.02	0.03	15%			
Aroclor-1016 Peak # 5	B	5.531	0.06	0.01	128%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	53.65	0.54 FP	1.2	76%	0.50		x u
Aroclor-1260 Peak # 1	B	10.99	0.11	3.21	187%			
Aroclor-1260 Peak # 2	B	4.403	0.04	0.02	57%			
Aroclor-1260 Peak # 3	B	1.549	0.02	0.13	156%			
Aroclor-1260 Peak # 4	B	237.3	2.37	2.25	5%			
Aroclor-1260 Peak # 5	B	13.98	0.14	0.37	90%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.64	0.5000	0.3864	77	19-121	c+ u
Decachlorobiphenyl (PCB)	B	29.67	0.5000	0.2967	59	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	15515777	28.19
1-bromo-2-nitrobenzene (PCB)	A	2388025	2589491	8.44

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.10	0.00

01/25/24 : WIPE/1S-10ML

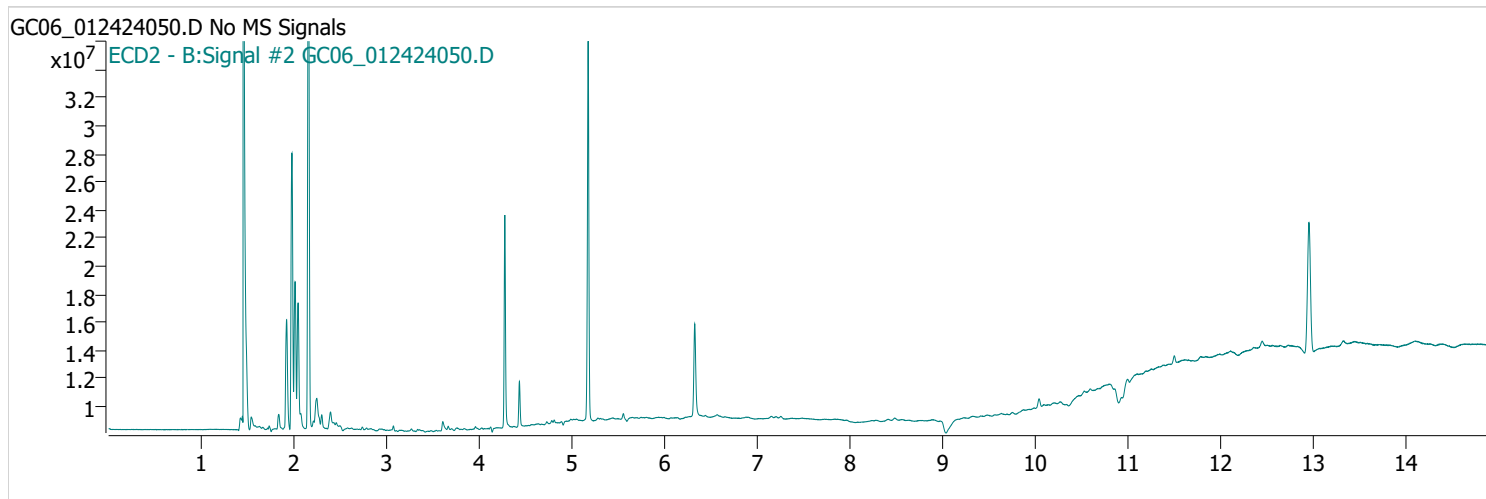
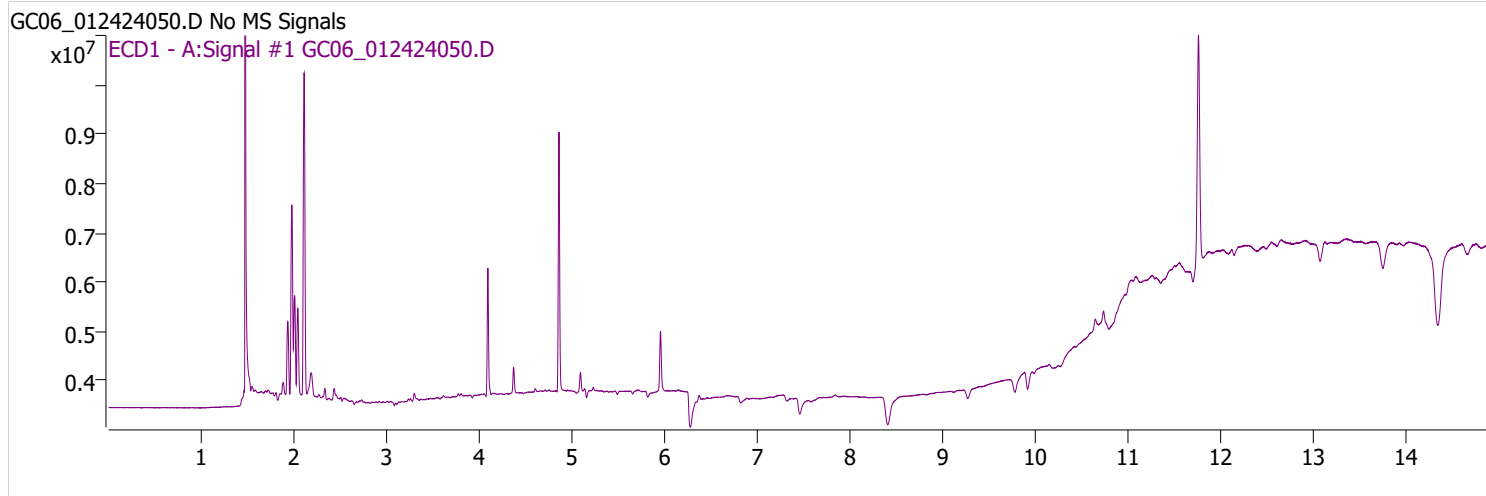
+ = high bias c = CCV u = use x = false positive

Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_012424050.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/25/2024 12:52:48 AM
Sample Name	500180-013, 330971, 1	Instrument	SVOA-GC06
Vial	40	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.095	0.0	2589491.07 1	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.278	0.0	15515776.6 60	20.0000	ng/ml	-0.006
System Monitoring Compounds						
S TCMX (PCB)	4.863	0.0	5347250.27 8	44.8266	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.13%	*	
S TCMX (PCB) #2	5.178	0.0	29566384.0 62	38.6420	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.21%	*	
S Decachlorobiphenyl (PCB)	11.768	0.0	9710285.79 8	50.1200	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 250.60%	*	
S Decachlorobiphenyl (PCB) #2	12.962	0.0	20491481.5 25	29.6662	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.33%		

Target Compounds

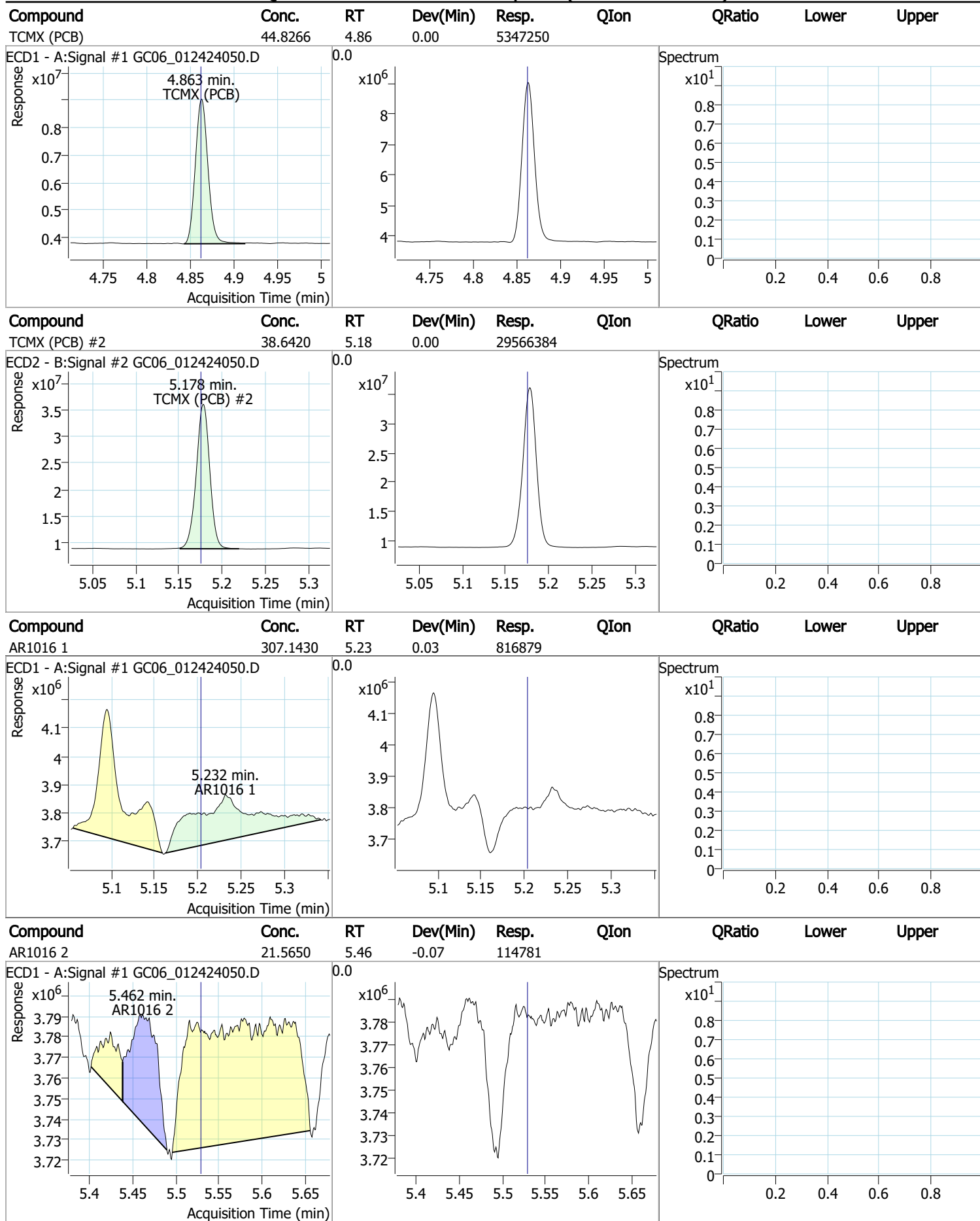
GC06_012424050.D

Quantitation Results Report (Not Reviewed)

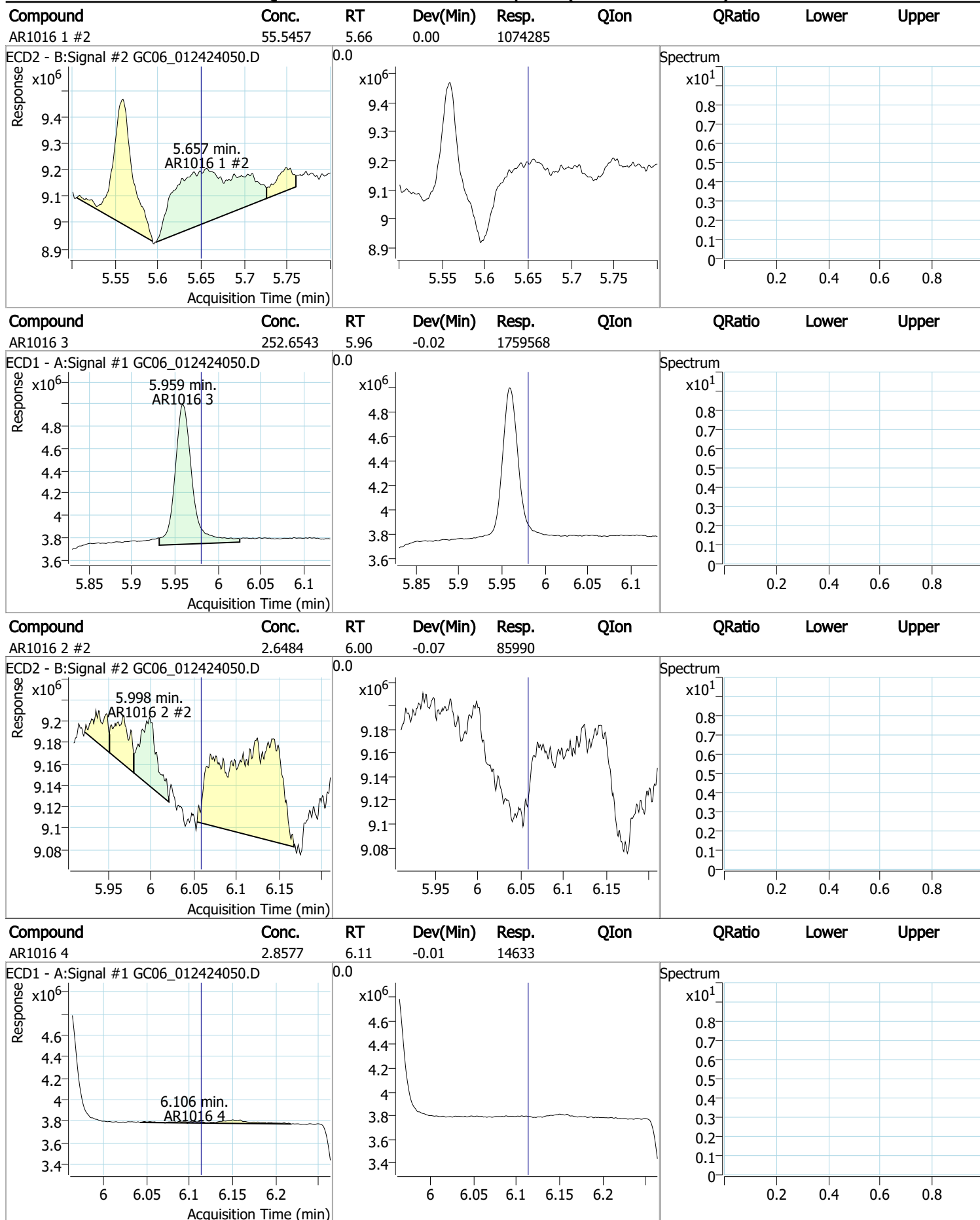
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.232	0.0	816879.339	307.1430	ng/ml	100
T AR1016 2	5.462	0.0	114780.956	21.5650	ng/ml	100
T AR1016 1 #2	5.657	0.0	1074285.37 2	55.5457	ng/ml	100
T AR1016 3	5.959	0.0	1759567.98 1	252.6543	ng/ml	100
T AR1016 2 #2	5.998	0.0	85990.068	2.6484	ng/ml	100
T AR1016 4	6.106	0.0	14632.722	2.8577	ng/ml	100
T AR1016 5	6.537	0.0	5175.003	1.2053	ng/ml	100
T AR1016 3 #2	6.573	0.0	1009141.87 7	23.0271	ng/ml	100
T AR1016 4 #2	6.657	0.0	73530.208	2.4521	ng/ml	100
T AR1016 5 #2	7.383	0.0	149723.072	5.5313	ng/ml	100
T AR1260 1	8.345	0.0	2934675.79 5	320.7100	ng/ml	100
T AR1260 2	8.882	0.0	33956.241	2.4604	ng/ml	100
T AR1260 3	9.229	0.0	189959.878	12.6708	ng/ml	100
T AR1260 1 #2	9.643	0.0	459367.258	10.9876	ng/ml	100
T AR1260 4	9.893	0.0	1858290.85 0	225.3932	ng/ml	100
T AR1260 2 #2	9.939	0.0	212832.463	4.4035	ng/ml	100
T AR1260 3 #2	10.344	0.0	92049.161	1.5491	ng/ml	100
T AR1260 5	10.653	0.0	371091.127	37.0795	ng/ml	100
T AR1260 4 #2	10.813	0.0	8183248.14 1	237.3384	ng/ml	100
T AR1260 5 #2	11.508	0.0	734917.544	13.9839	ng/ml	100

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

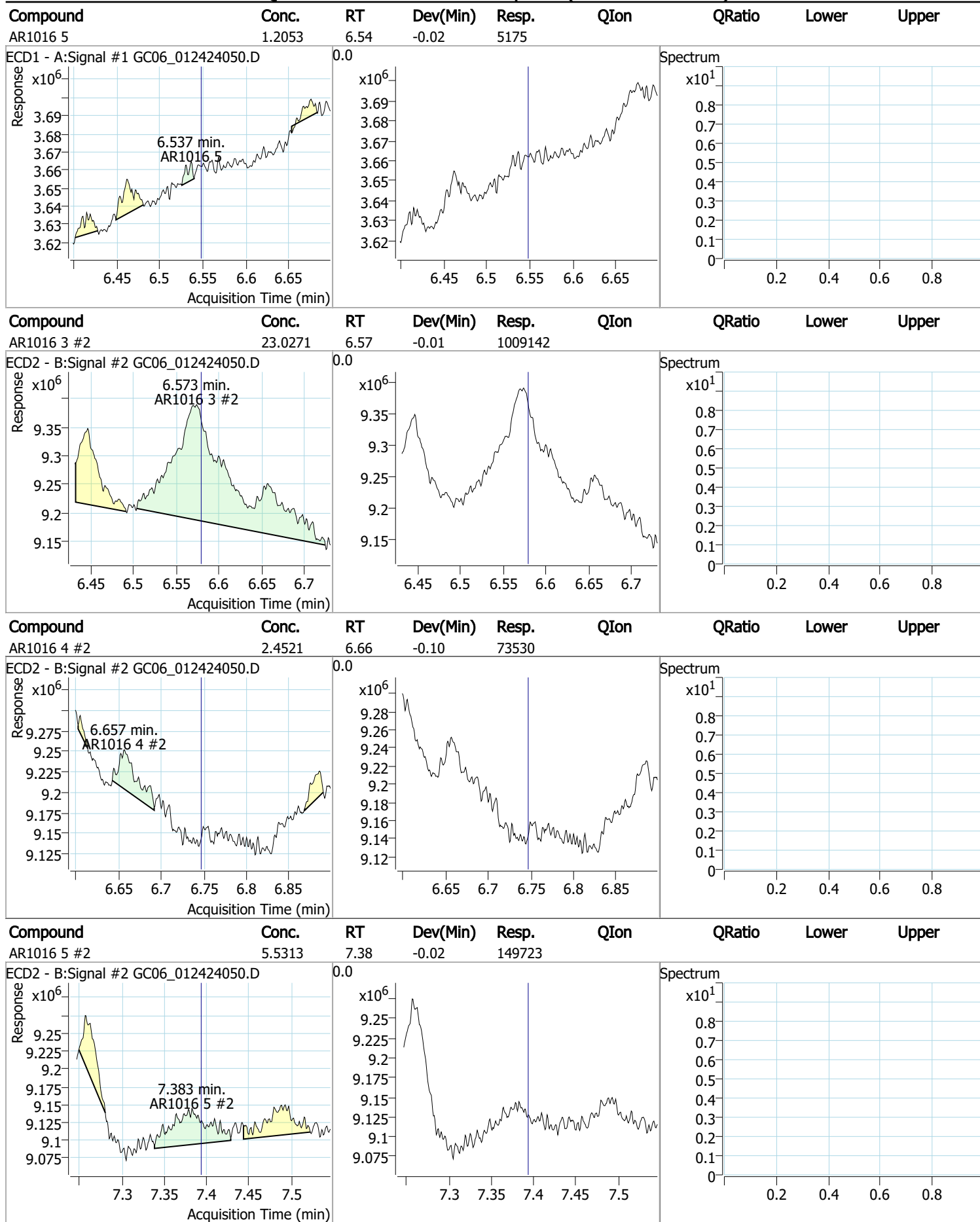
Quantitation Results Report (Not Reviewed)



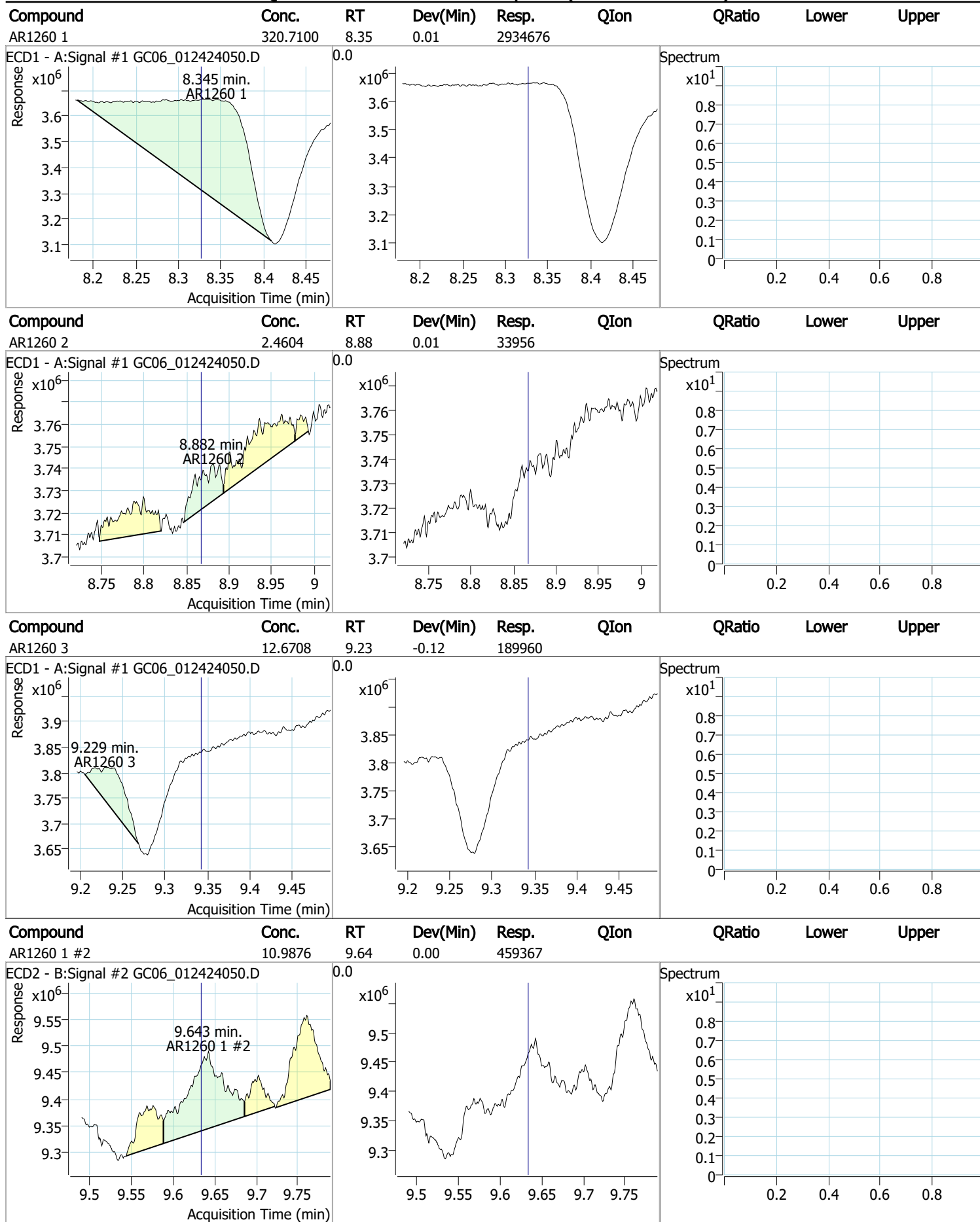
Quantitation Results Report (Not Reviewed)



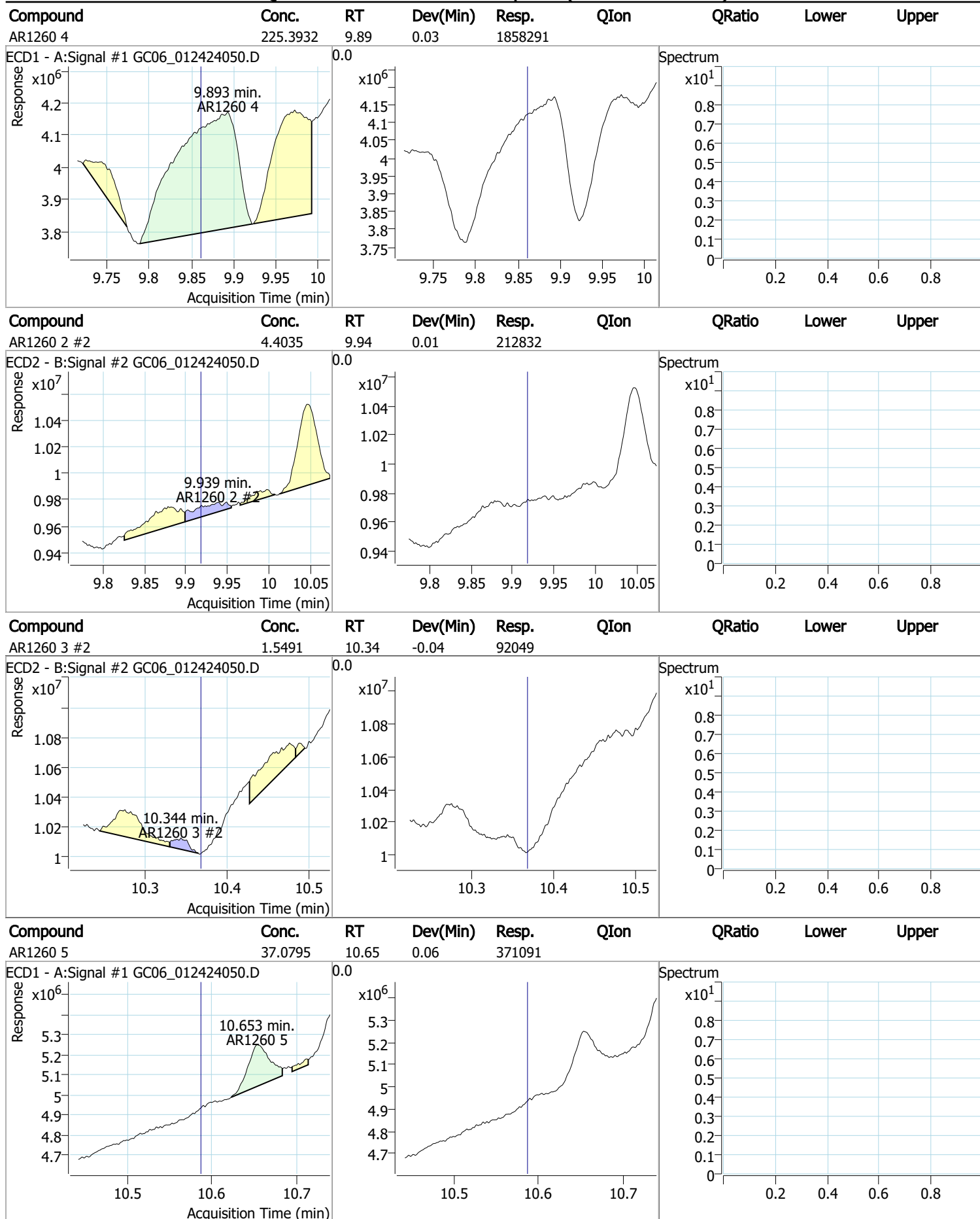
Quantitation Results Report (Not Reviewed)



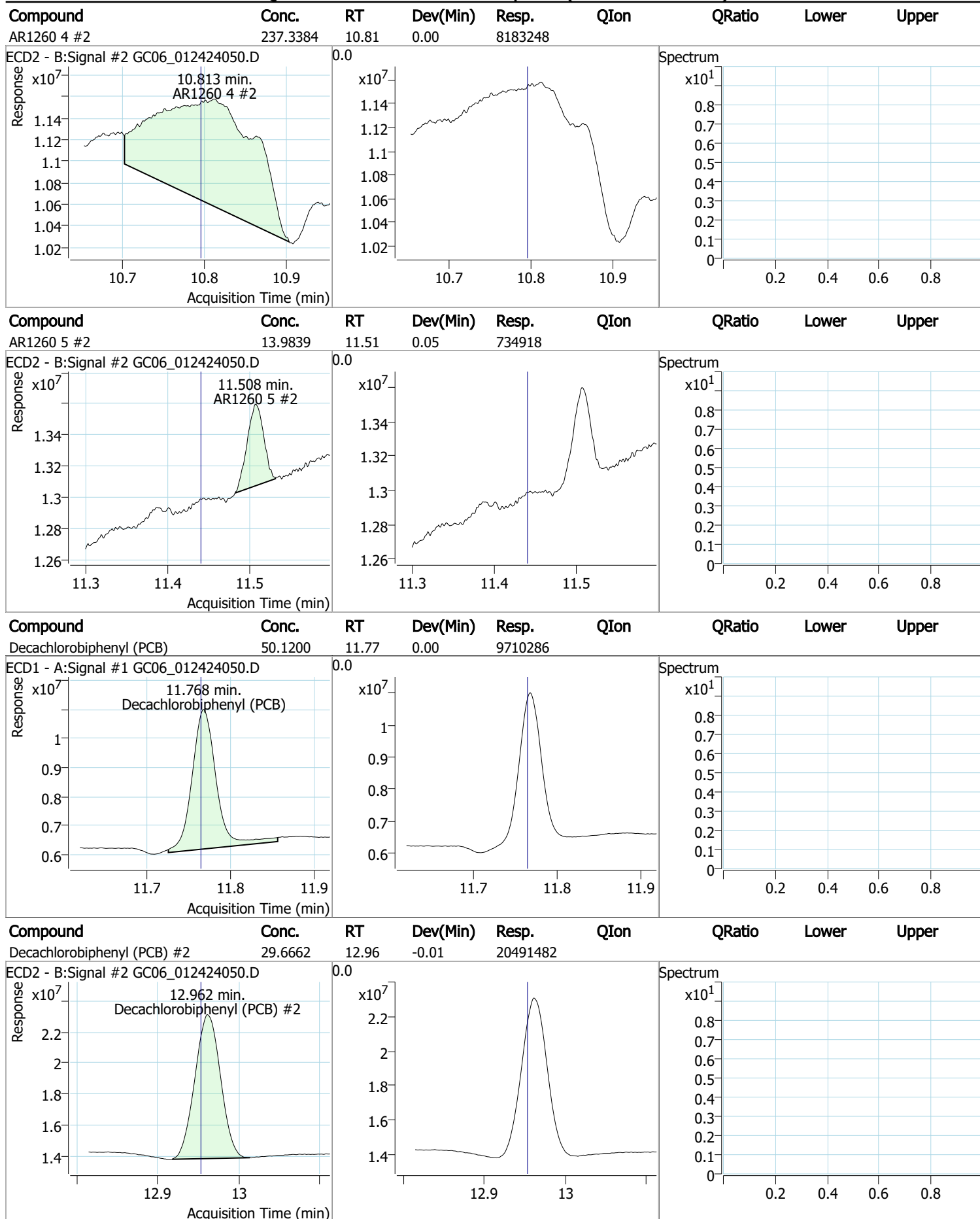
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-016	Client ID: ARCH-C12W-DG-2.5 TO 3-240118-P-FB
Seqnum: 454035180051	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424051	Batch: 330971	Time: 25-JAN-2024 01:12
Cal: 454035180003	Caldate: 24-JAN-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	12.42	ND	1.6	171%	0.50		u
Aroclor-1016 Peak # 1	B	37.06	0.37	2.78	153%			
Aroclor-1016 Peak # 2	B	3.088	0.03	0.18	143%			
Aroclor-1016 Peak # 3	B	16.04	0.16	4.67	187%			
Aroclor-1016 Peak # 4	B	0.1894	0.00	0.10	192%			
Aroclor-1016 Peak # 5	B	5.711	0.06	0.10	52%			
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	43.74	ND	1.2	90%	0.50		u
Aroclor-1260 Peak # 1	B	3.060	0.03	3.05	196%			
Aroclor-1260 Peak # 2	B	2.493	0.02	0.02	17%			
Aroclor-1260 Peak # 3	B	2.788	0.03	0.12	124%			
Aroclor-1260 Peak # 4	B	191.7	1.92	2.05	7%			
Aroclor-1260 Peak # 5	B	18.69	0.19	0.52	95%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.68	0.5000	0.3968	79	19-121	c+ u
Decachlorobiphenyl (PCB)	B	29.79	0.5000	0.2979	60	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	16145260	33.39
1-bromo-2-nitrobenzene (PCB)	A	2388025	2807244	17.56

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.09	-0.01

01/25/24 : WIPE/1S-10ML

+ = high bias c = CCV u = use

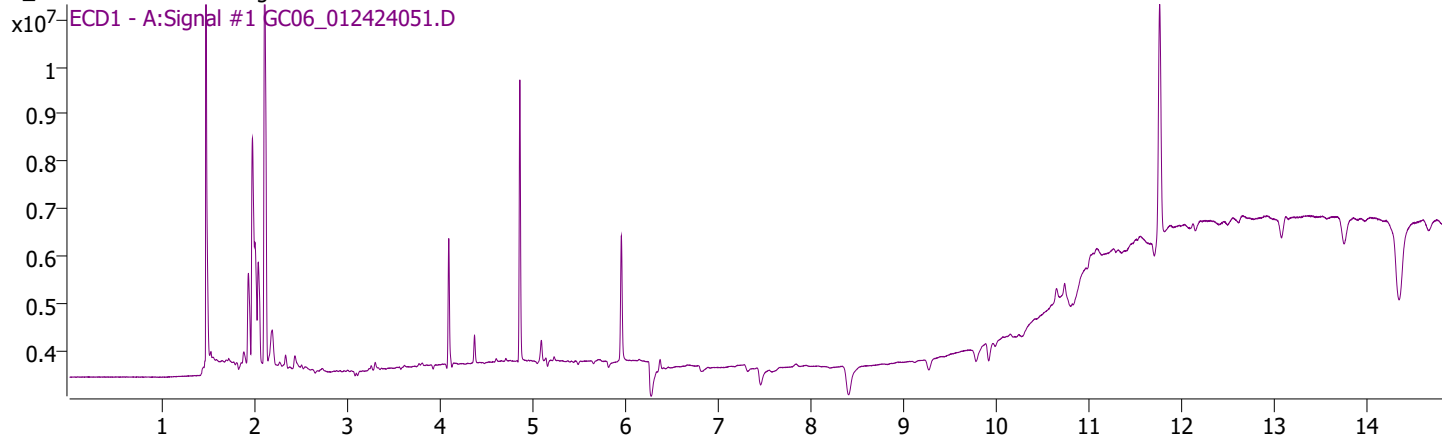
Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

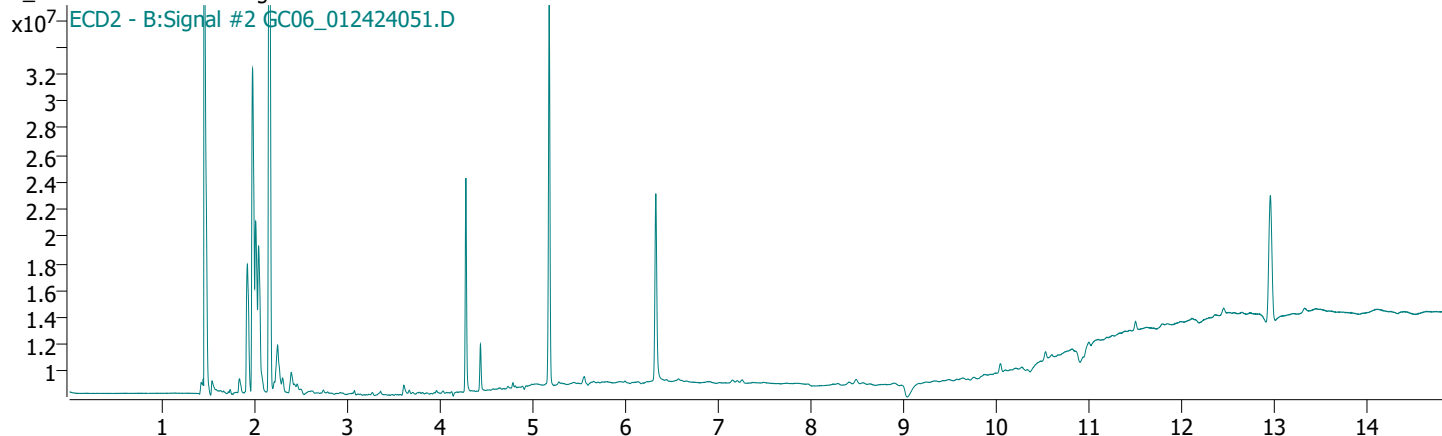
Quantitation Results Report (Not Reviewed)

Data File	GC06_012424051.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/25/2024 1:12:23 AM
Sample Name	500180-016, 330971, 1	Instrument	SVOA-GC06
Vial	41	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			

GC06_012424051.D No MS Signals



GC06_012424051.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	2807243.557	20.0000	ng/ml	-0.005
M 1-bromo-2-nitrobenzene (PCB) #2	4.278	0.0	16145259.607	20.0000	ng/ml	-0.007
System Monitoring Compounds						
S TCMX (PCB)	4.860	0.0	5848668.853	45.2268	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.13%	*	
S TCMX (PCB) #2	5.177	0.0	31591948.150	39.6795	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.40%	*	
S Decachlorobiphenyl (PCB)	11.766	0.0	10828962.816	51.5585	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 257.79%	*	
S Decachlorobiphenyl (PCB) #2	12.960	0.0	21412949.444	29.7915	ng/ml	-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.96%		

Target Compounds

QValue

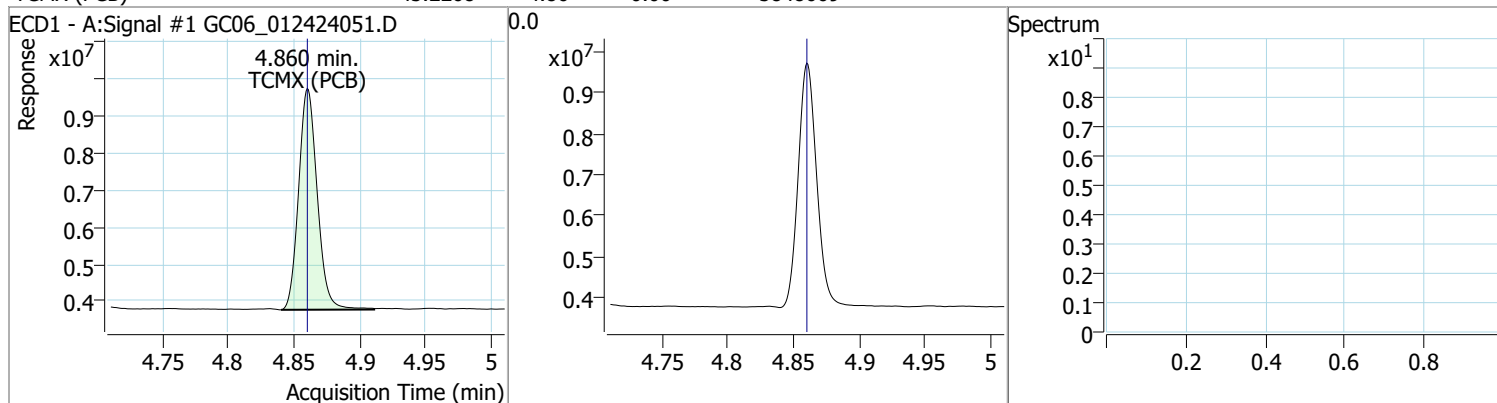
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.230	0.0	800293.639	277.5661	ng/ml	100
T AR1016 2	5.460	0.0	106231.562	18.4106	ng/ml	100
T AR1016 1 #2	5.658	0.0	745743.444	37.0552	ng/ml	100
T AR1016 3	5.956	0.0	3527383.786	467.2051	ng/ml	100
T AR1016 2 #2	6.076	0.0	104323.486	3.0878	ng/ml	100
T AR1016 4	6.148	0.0	54444.705	9.8081	ng/ml	100
T AR1016 5	6.557	0.0	45042.567	9.6768	ng/ml	100
T AR1016 3 #2	6.572	0.0	731547.699	16.0420	ng/ml	100
T AR1016 4 #2	6.783	0.0	5909.487	0.1894	ng/ml	100
T AR1016 5 #2	7.386	0.0	160859.478	5.7110	ng/ml	100
T AR1260 1	8.338	0.0	3023786.101	304.8160	ng/ml	100
T AR1260 2	8.793	0.0	31369.862	2.0966	ng/ml	100
T AR1260 3	9.220	0.0	192276.060	11.8305	ng/ml	100
T AR1260 1 #2	9.636	0.0	133123.829	3.0600	ng/ml	100
T AR1260 4	9.888	0.0	1832267.067	204.9983	ng/ml	100
T AR1260 2 #2	9.943	0.0	125361.341	2.4926	ng/ml	100
T AR1260 3 #2	10.336	0.0	172412.292	2.7885	ng/ml	100
T AR1260 5	10.652	0.0	566848.535	52.2462	ng/ml	100
T AR1260 4 #2	10.823	0.0	6876598.084	191.6657	ng/ml	100
T AR1260 5 #2	11.506	0.0	1022215.883	18.6922	ng/ml	100

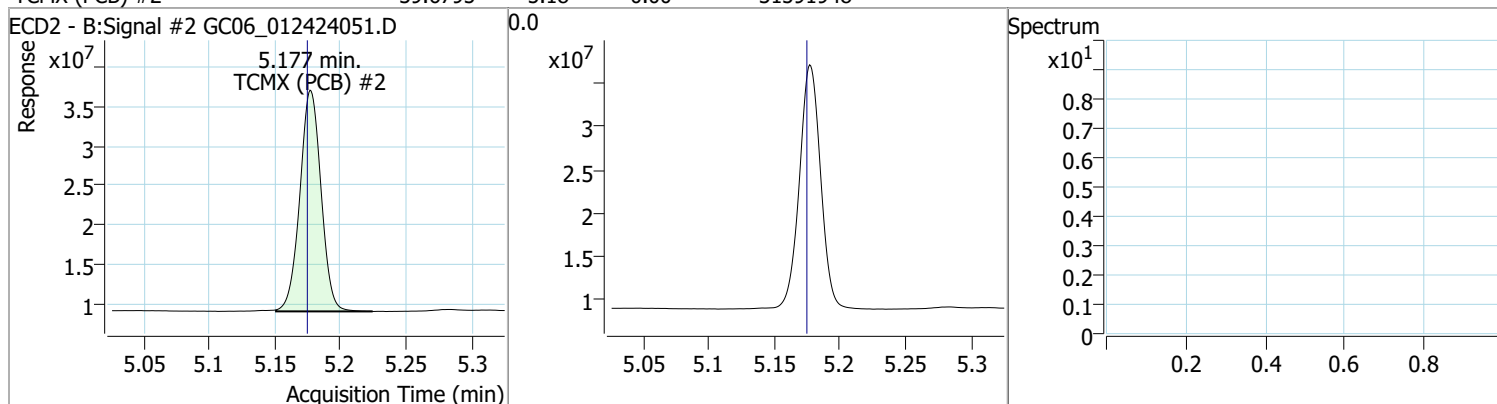
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

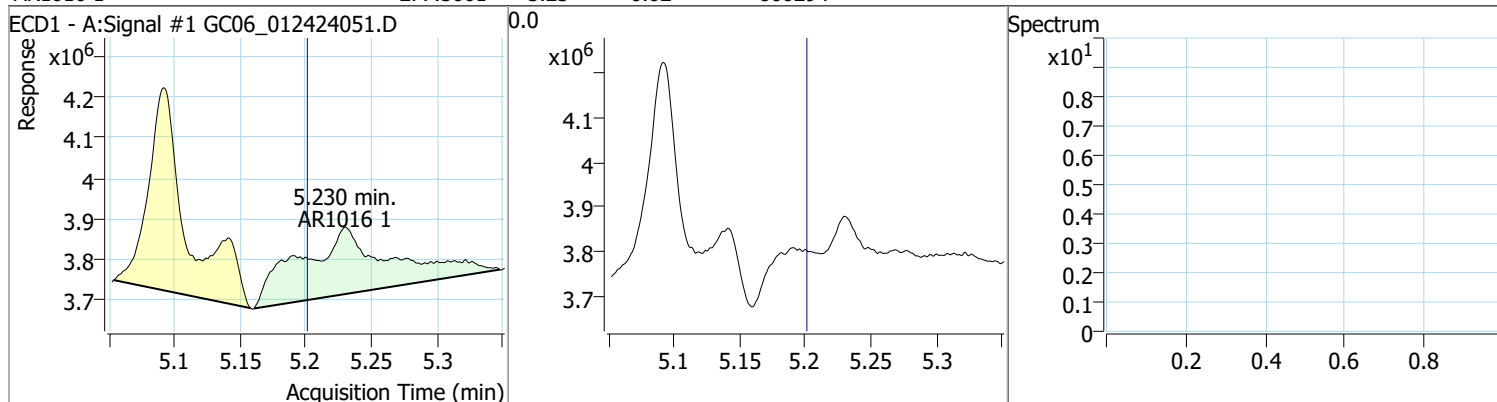
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.2268	4.86	0.00	5848669				



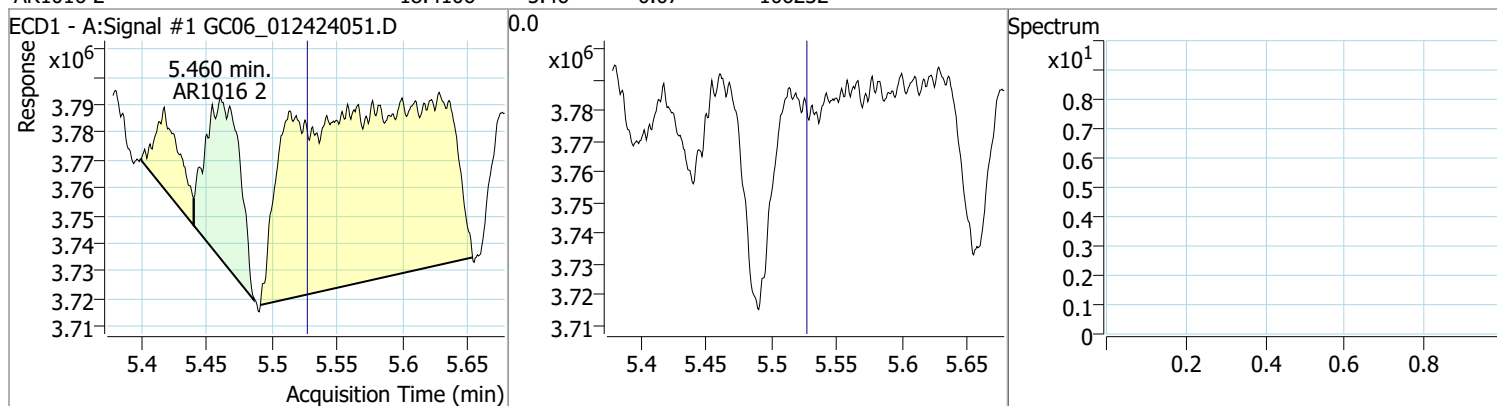
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.6795	5.18	0.00	31591948				



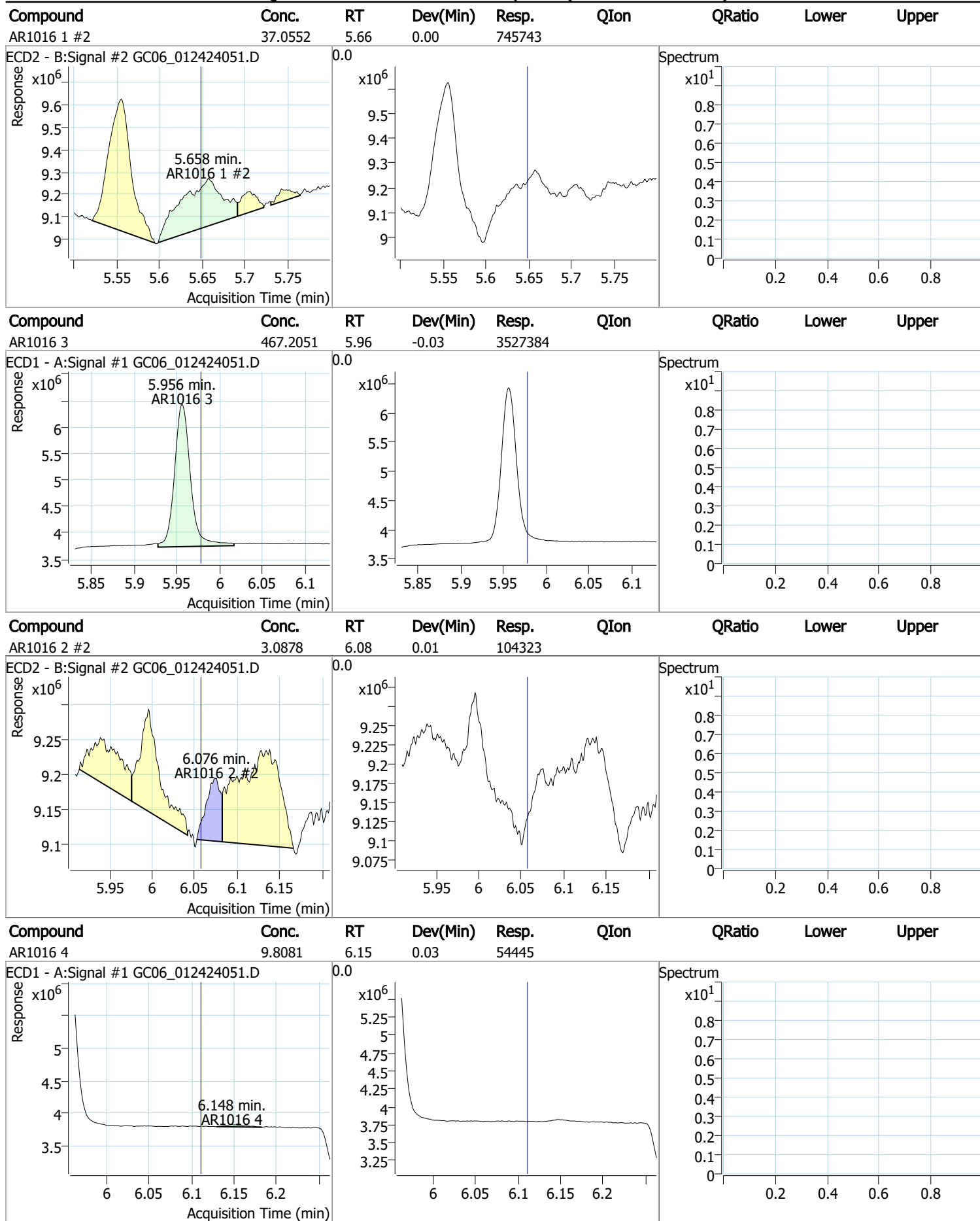
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	277.5661	5.23	0.02	800294				



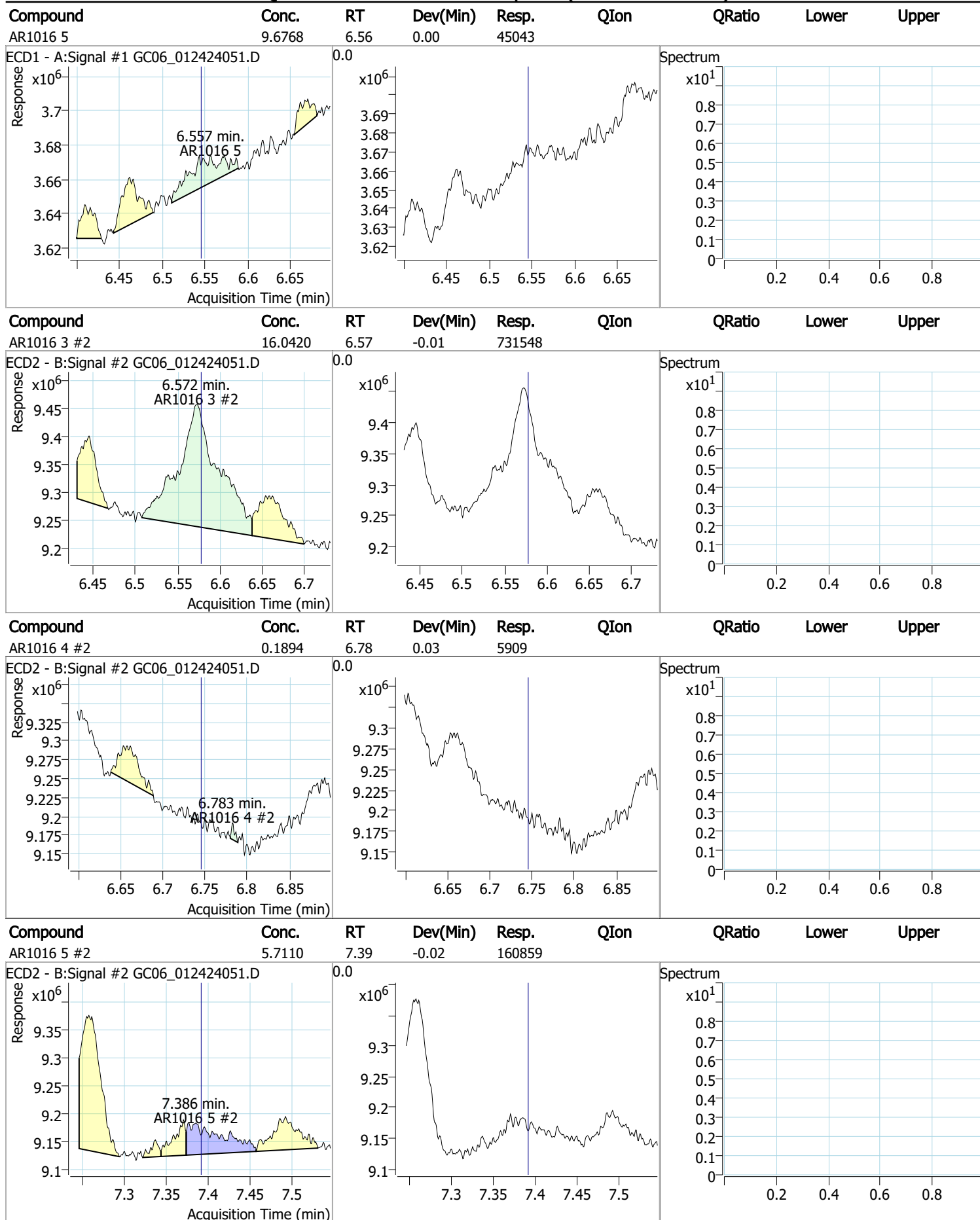
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	18.4106	5.46	-0.07	106232				



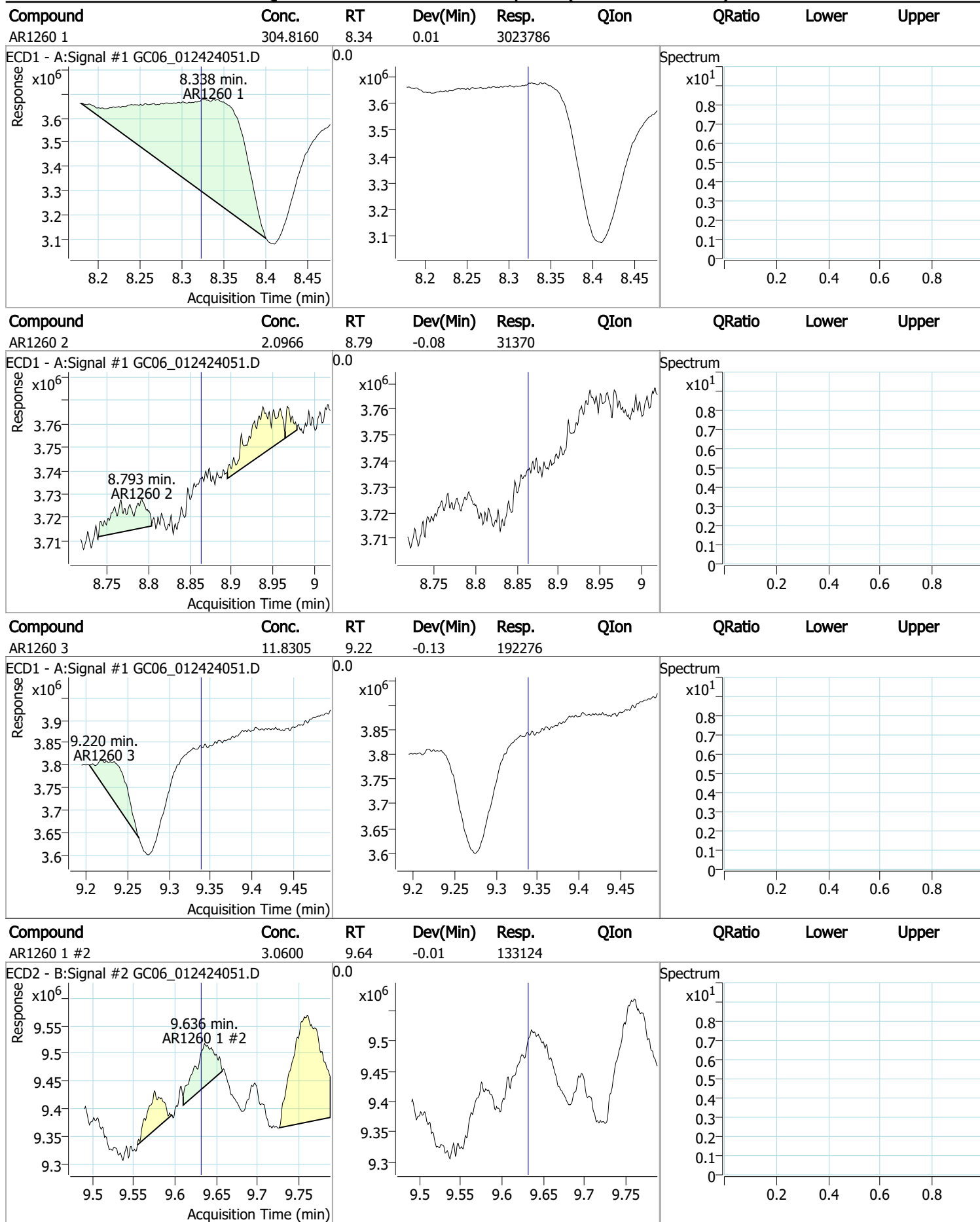
Quantitation Results Report (Not Reviewed)



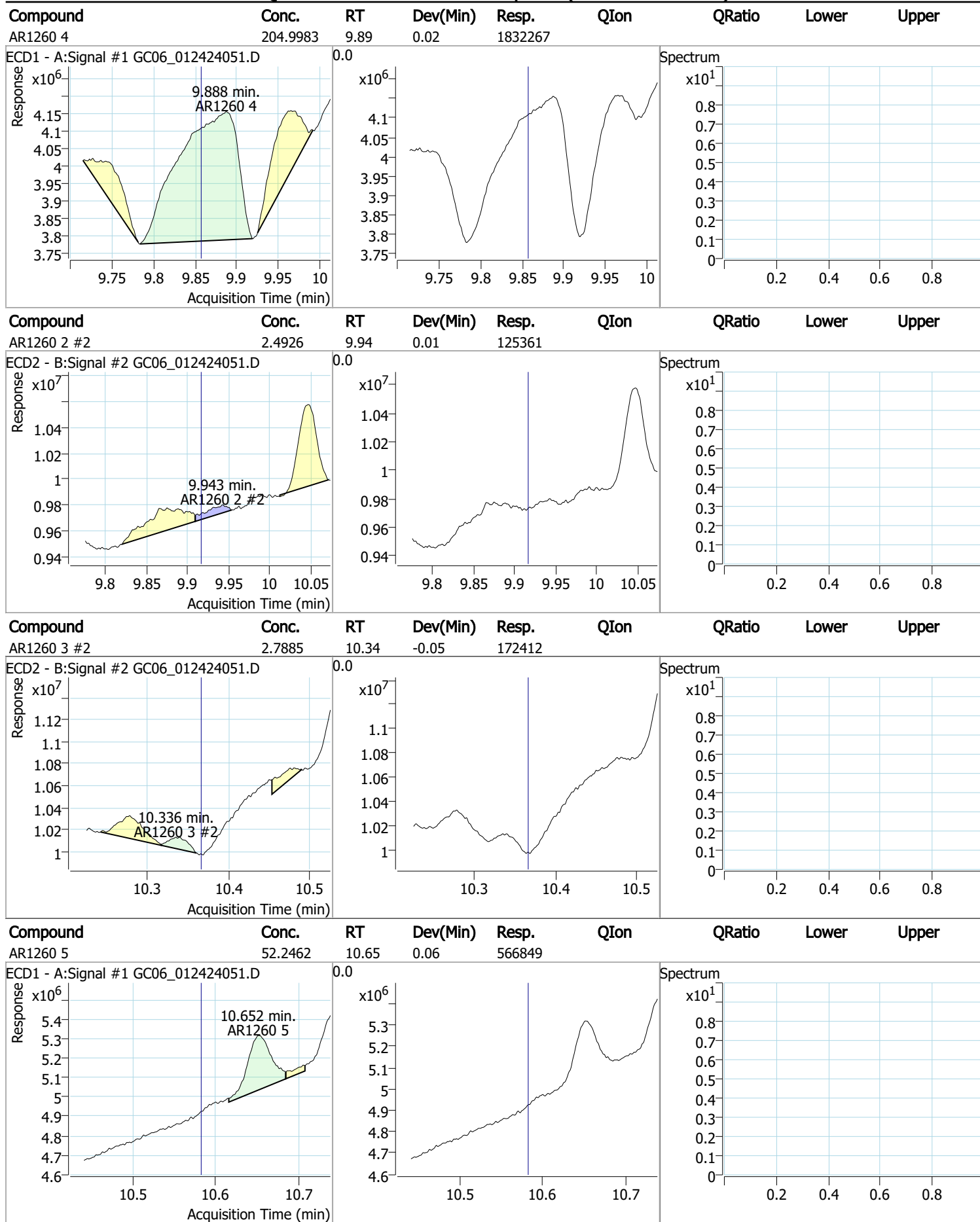
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

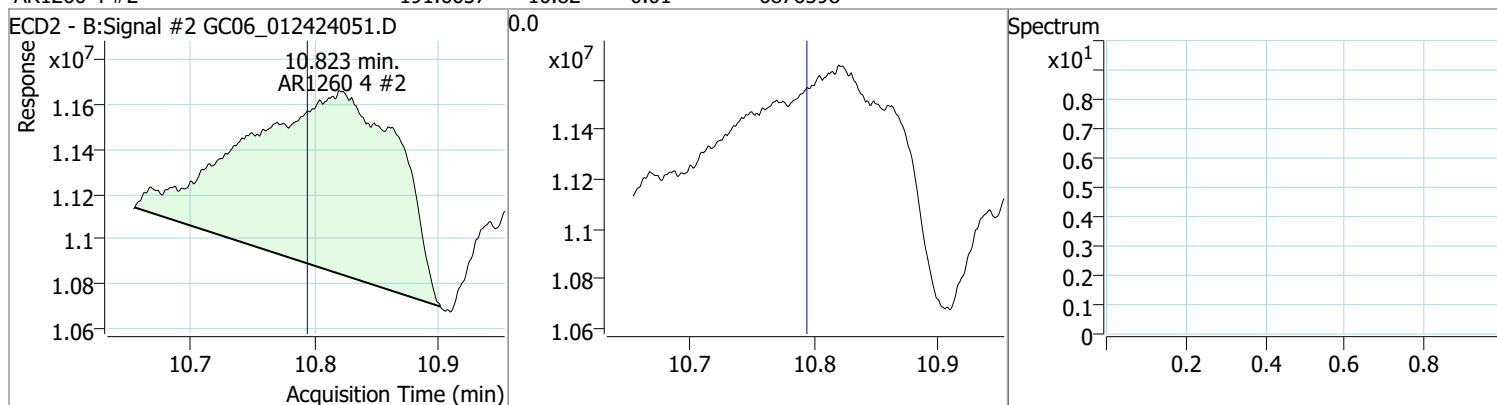


Quantitation Results Report (Not Reviewed)

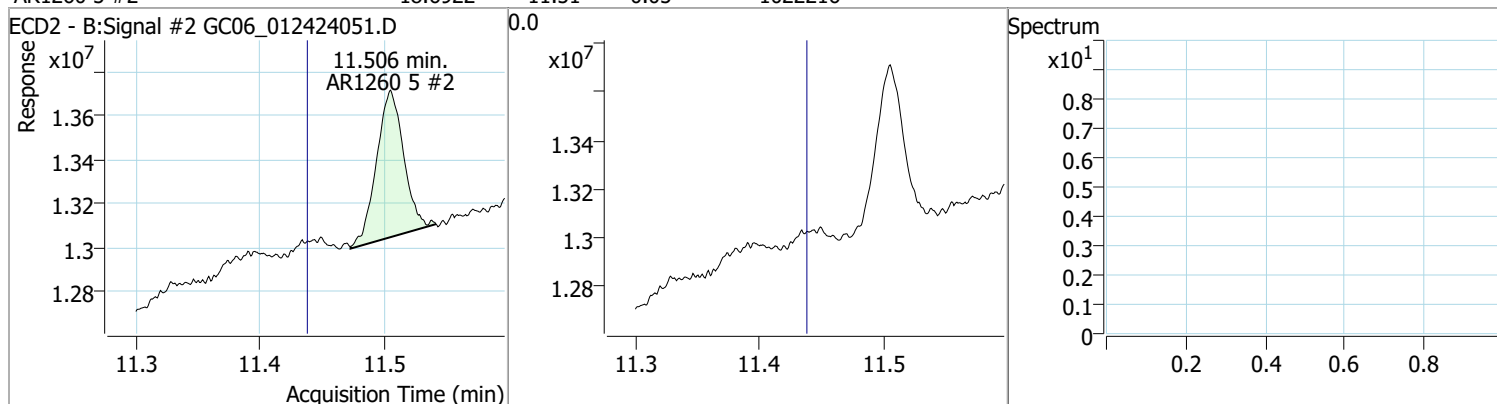


Quantitation Results Report (Not Reviewed)

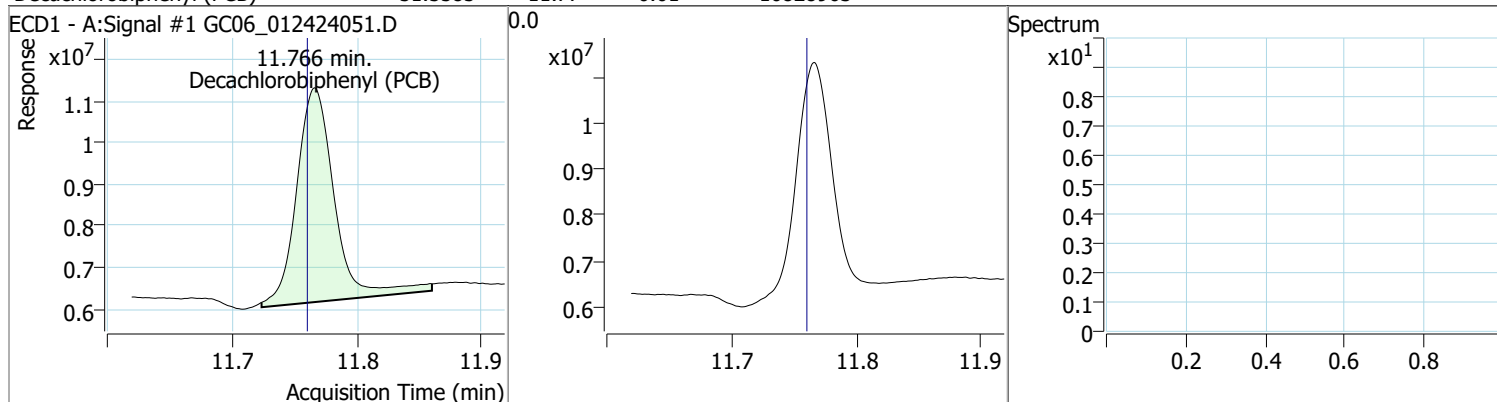
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	191.6657	10.82	0.01	6876598				



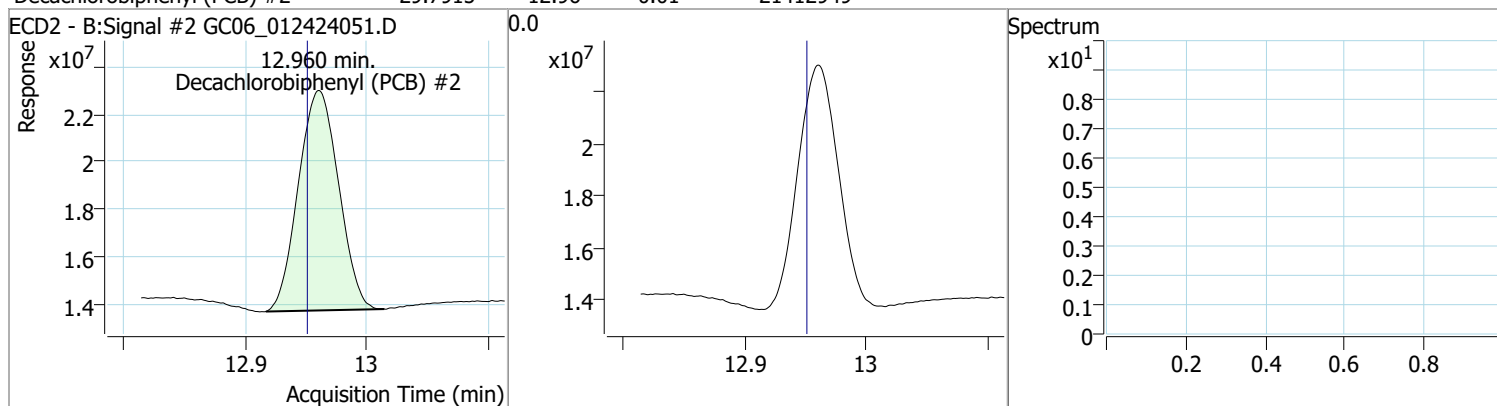
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	18.6922	11.51	0.05	1022216				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	51.5585	11.77	-0.01	10828963				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.7915	12.96	-0.01	21412949				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-018	Client ID: ARCH-C13W-PS-2.5-240118-P-G
Seqnum: 454035180052	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424052	Batch: 330971	Time: 25-JAN-2024 01:32
Cal: 454035180003	Caldate: 24-JAN-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	16.77	ND	1.4	159%	0.50		u
Aroclor-1016 Peak # 1	B	30.25	0.30	2.07	149%			
Aroclor-1016 Peak # 2	B	32.58	0.33	0.32	1%			
Aroclor-1016 Peak # 3	B	12.42	0.12	3.89	188%			
Aroclor-1016 Peak # 4	B	0.7688	0.01	0.43	193%			
Aroclor-1016 Peak # 5	B	7.817	0.08	0.54	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	49.34	ND	2.4	132%	0.50		u
Aroclor-1260 Peak # 1	B	14.96	0.15	4.56	187%			
Aroclor-1260 Peak # 2	B	14.64	0.15	0.02	161%			
Aroclor-1260 Peak # 3	B	2.913	0.03	0.09	99%			
Aroclor-1260 Peak # 4	B	203.5	2.03	2.56	23%			
Aroclor-1260 Peak # 5	B	10.73	0.11	4.86	191%			
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	40.29	0.5000	0.4029	81	19-121	c+ u
Decachlorobiphenyl (PCB)	B	28.89	0.5000	0.2889	58	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	15567594	28.62
1-bromo-2-nitrobenzene (PCB)	A	2388025	2514859	5.31

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.09	-0.01

01/25/24 : WIPE/1S-10ML

+ = high bias c = CCV u = use

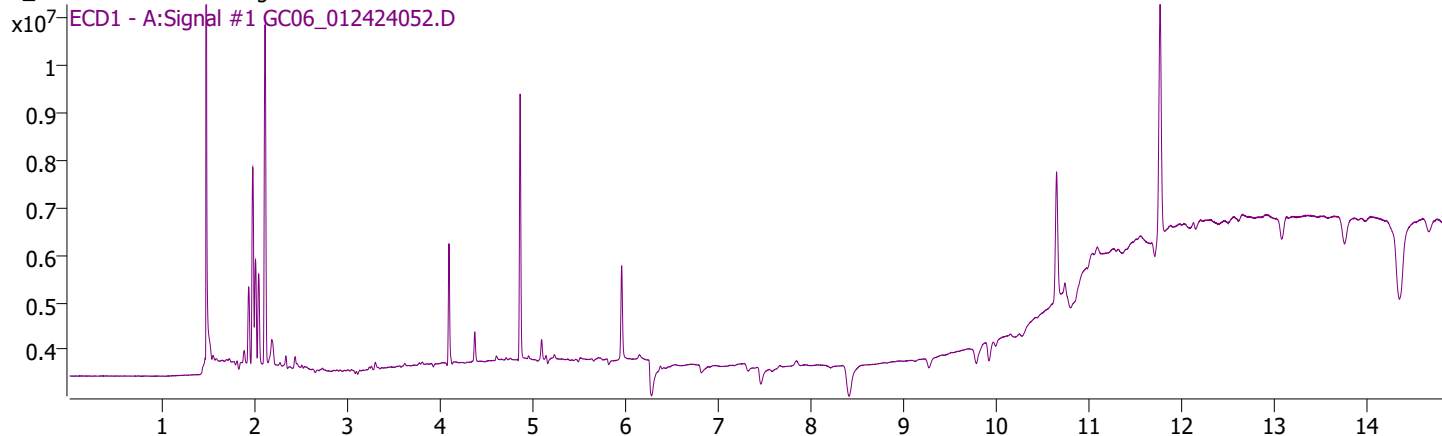
Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

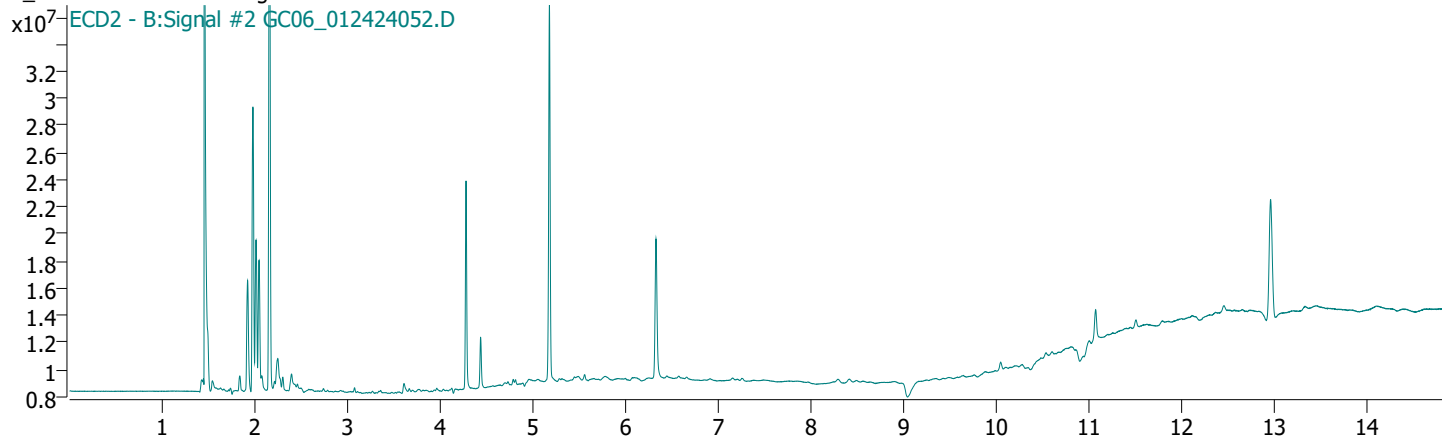
Quantitation Results Report (Not Reviewed)

Data File	GC06_012424052.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/25/2024 1:32:11 AM
Sample Name	500180-018, 330971, 1	Instrument	SVOA-GC06
Vial	42	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			

GC06_012424052.D No MS Signals



GC06_012424052.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	2514859.016	20.0000	ng/ml	-0.005
M 1-bromo-2-nitrobenzene (PCB) #2	4.278	0.0	15567594.128	20.0000	ng/ml	-0.007
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	5672727.147	48.9663	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 244.83%	*	
S TCMX (PCB) #2	5.177	0.0	30928590.908	40.2878	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.44%	*	
S Decachlorobiphenyl (PCB)	11.766	0.0	9954894.737	52.9074	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 264.54%	*	
S Decachlorobiphenyl (PCB) #2	12.958	0.0	20023467.911	28.8921	ng/ml	-0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.46%		

Target Compounds

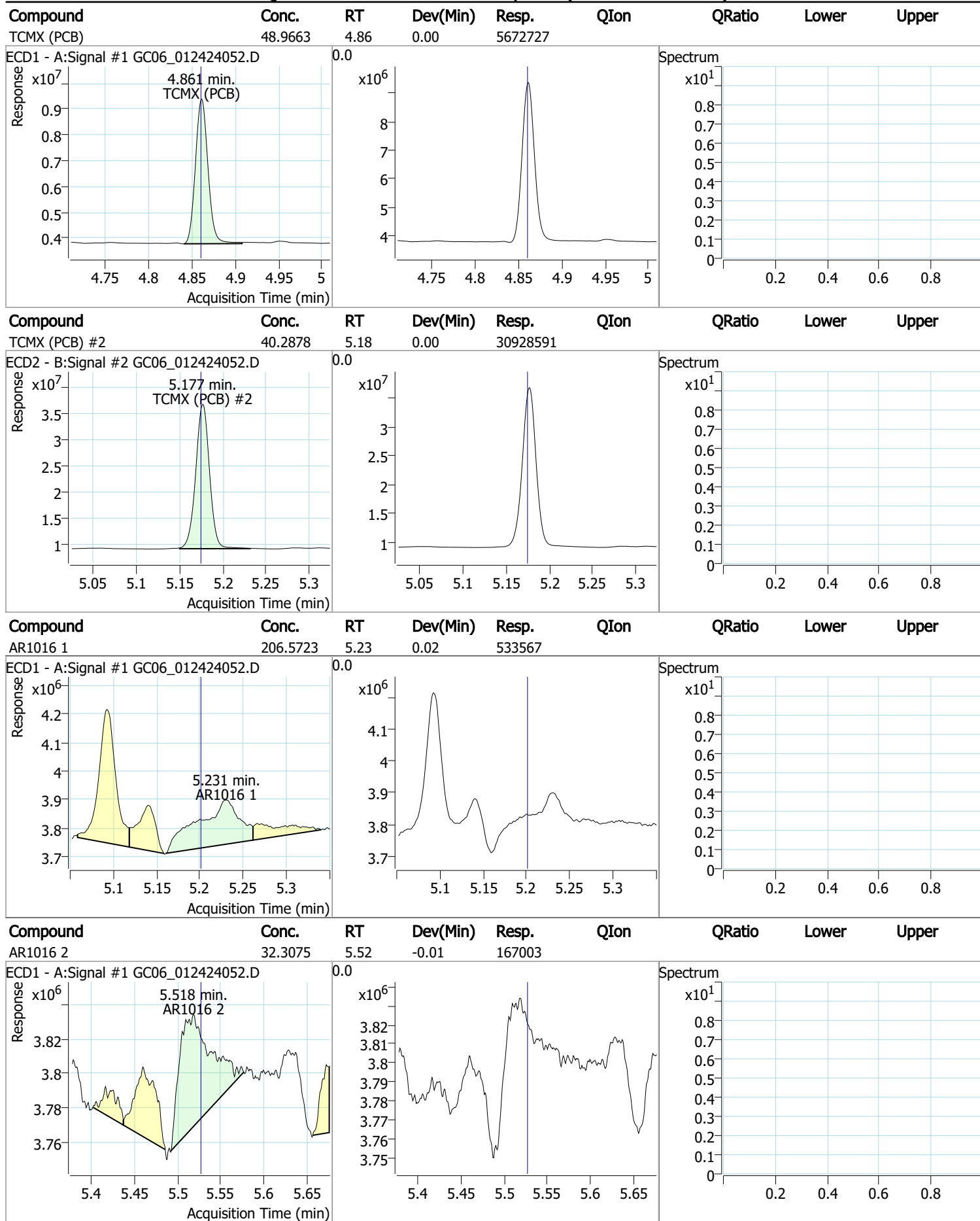
GC06_012424052.D

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.231	0.0	533566.704	206.5723	ng/ml	100
T AR1016 2	5.518	0.0	167002.571	32.3075	ng/ml	100
T AR1016 1 #2	5.659	0.0	587007.987	30.2501	ng/ml	100
T AR1016 3	5.957	0.0	2630150.309	388.8677	ng/ml	100
T AR1016 2 #2	6.097	0.0	1061502.572	32.5849	ng/ml	100
T AR1016 4	6.150	0.0	211996.460	42.6308	ng/ml	100
T AR1016 5	6.533	0.0	226878.345	54.4088	ng/ml	100
T AR1016 3 #2	6.570	0.0	545938.008	12.4160	ng/ml	100
T AR1016 4 #2	6.778	0.0	23129.472	0.7688	ng/ml	100
T AR1016 5 #2	7.385	0.0	212313.960	7.8175	ng/ml	100
T AR1260 1	8.337	0.0	4050291.784	455.7634	ng/ml	100
T AR1260 2	8.794	0.0	21104.657	1.5746	ng/ml	100
T AR1260 3	9.228	0.0	125652.601	8.6301	ng/ml	100
T AR1260 1 #2	9.643	0.0	627421.201	14.9573	ng/ml	100
T AR1260 4	9.887	0.0	2052961.727	256.3945	ng/ml	100
T AR1260 2 #2	9.876	0.0	710154.836	14.6442	ng/ml	100
T AR1260 3 #2	10.343	0.0	173668.930	2.9130	ng/ml	100
T AR1260 5	10.649	0.0	4728490.082	486.4934	ng/ml	100
T AR1260 4 #2	10.801	0.0	7039091.715	203.4749	ng/ml	100
T AR1260 5 #2	11.444	0.0	565845.795	10.7310	ng/ml	100

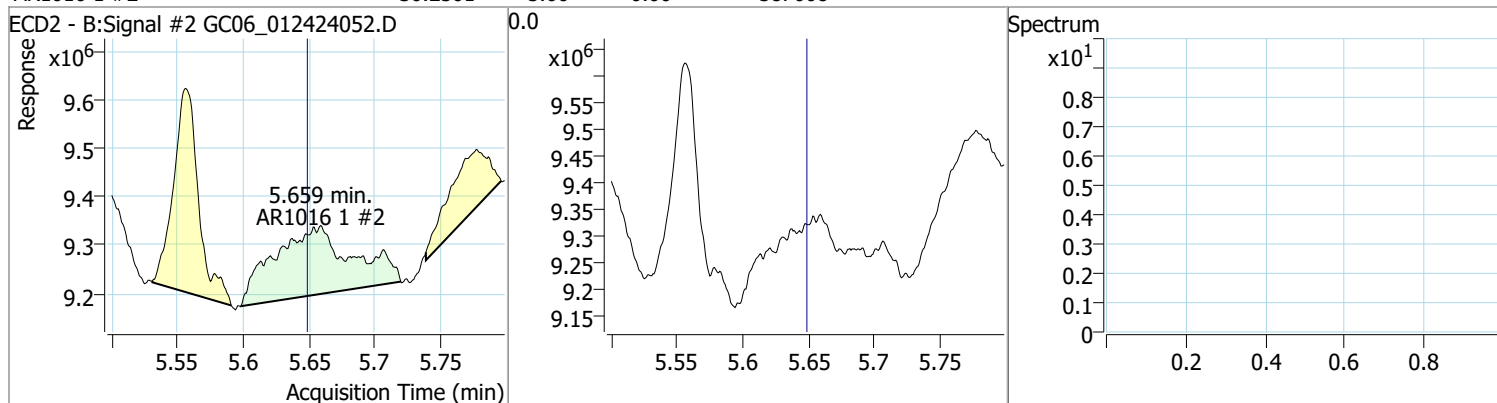
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

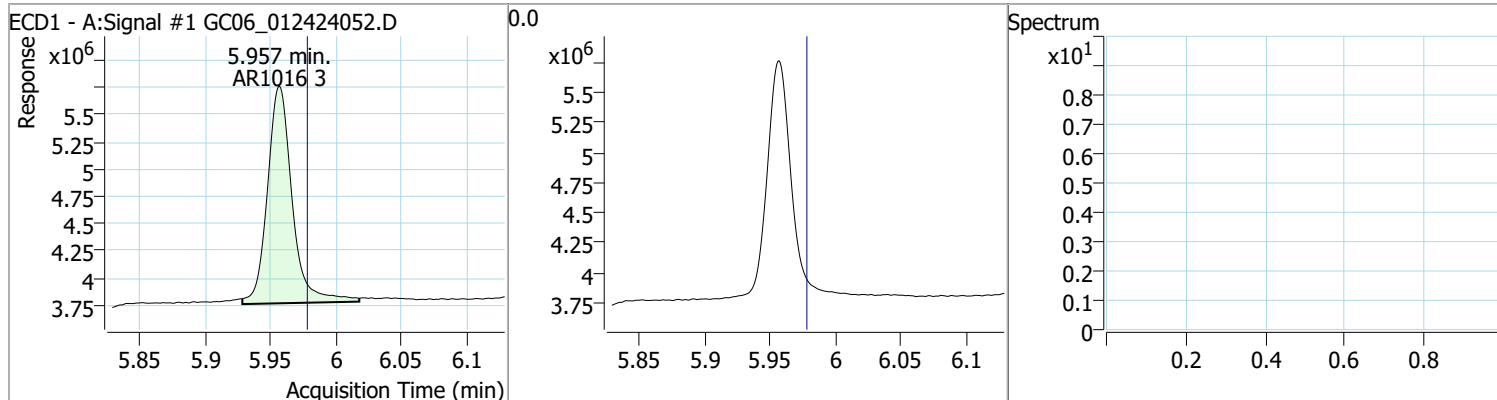


Quantitation Results Report (Not Reviewed)

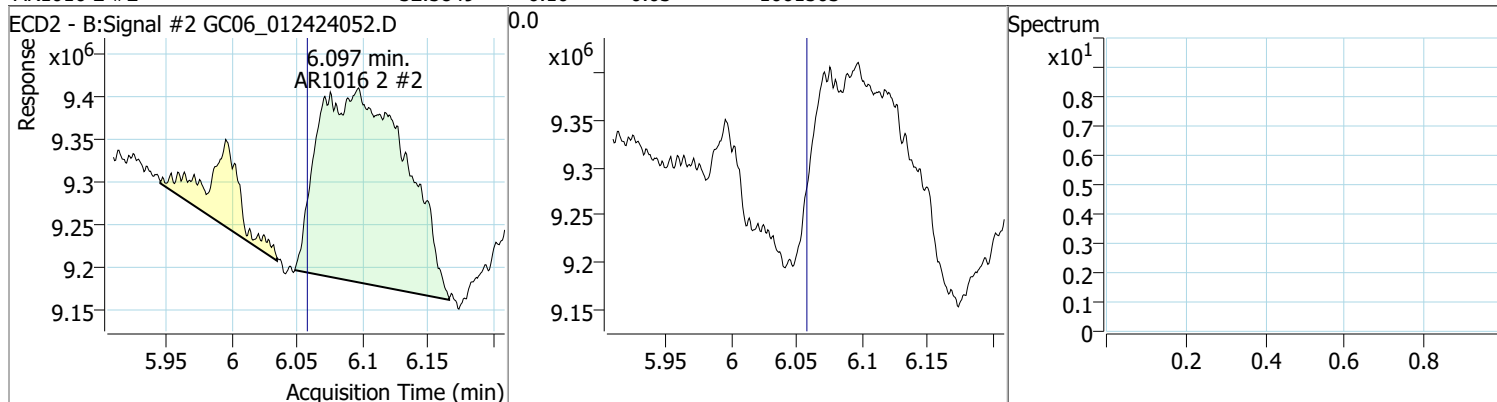
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	30.2501	5.66	0.00	587008				



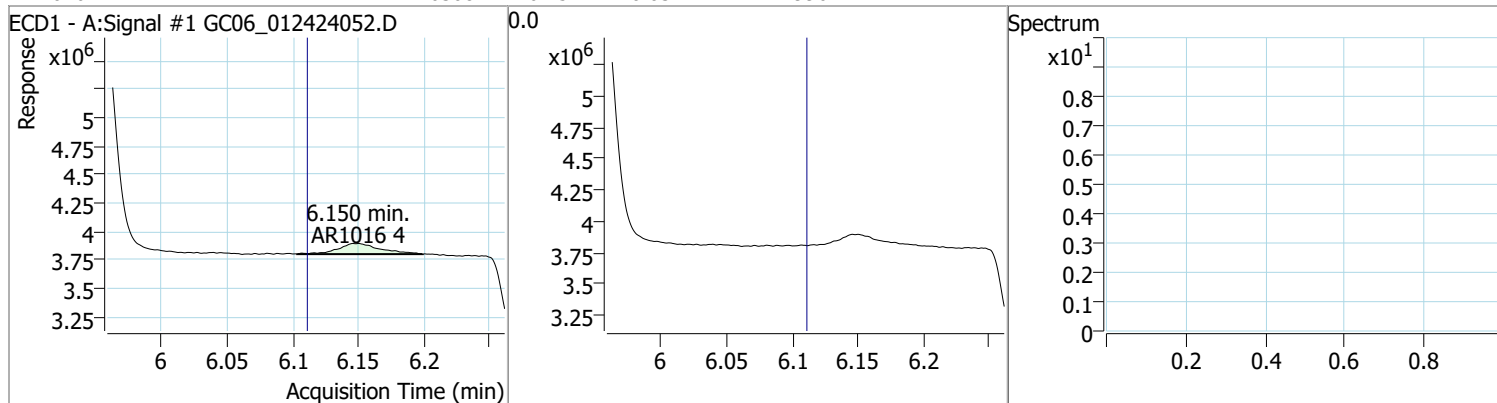
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	388.8677	5.96	-0.03	2630150				



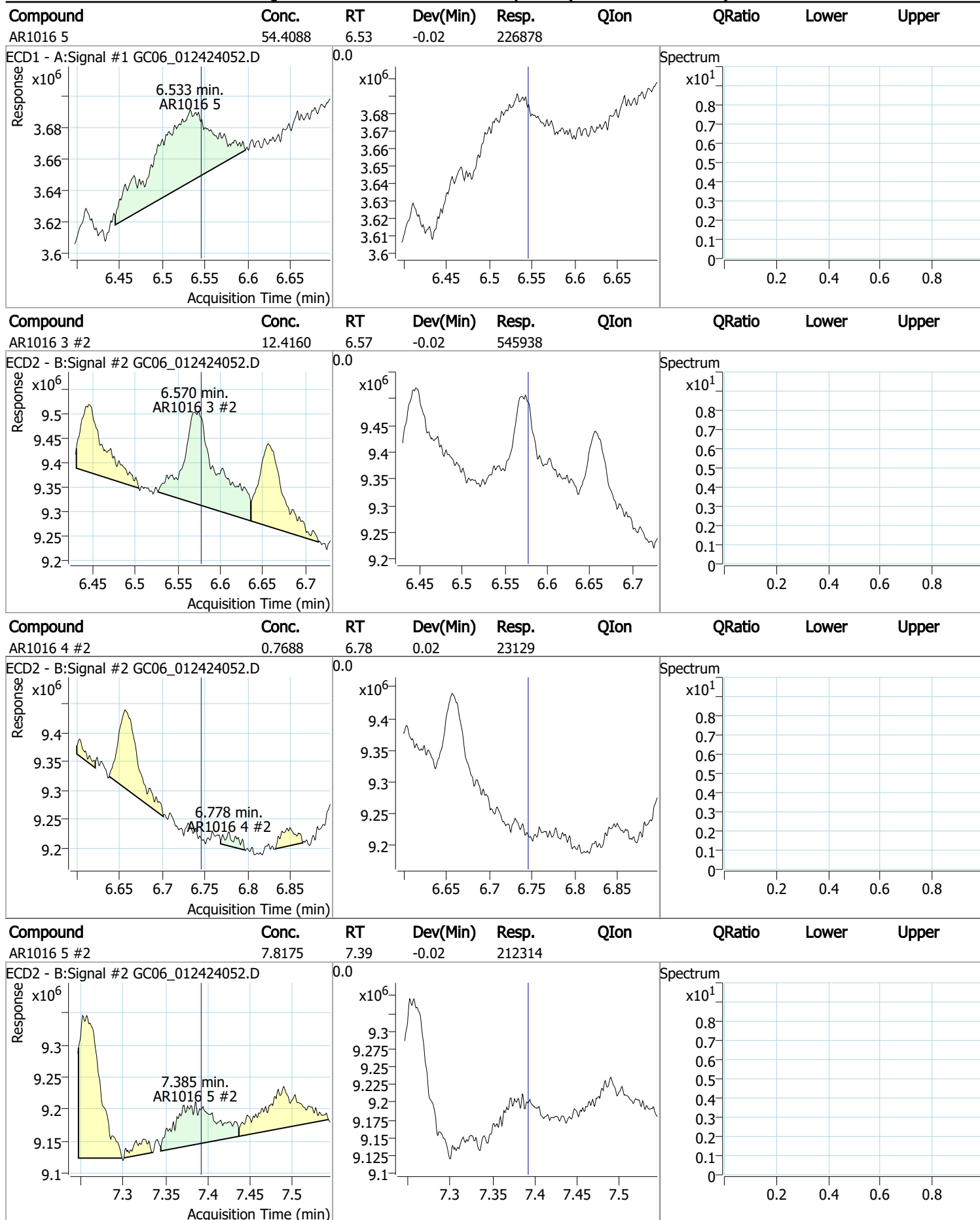
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	32.5849	6.10	0.03	1061503				



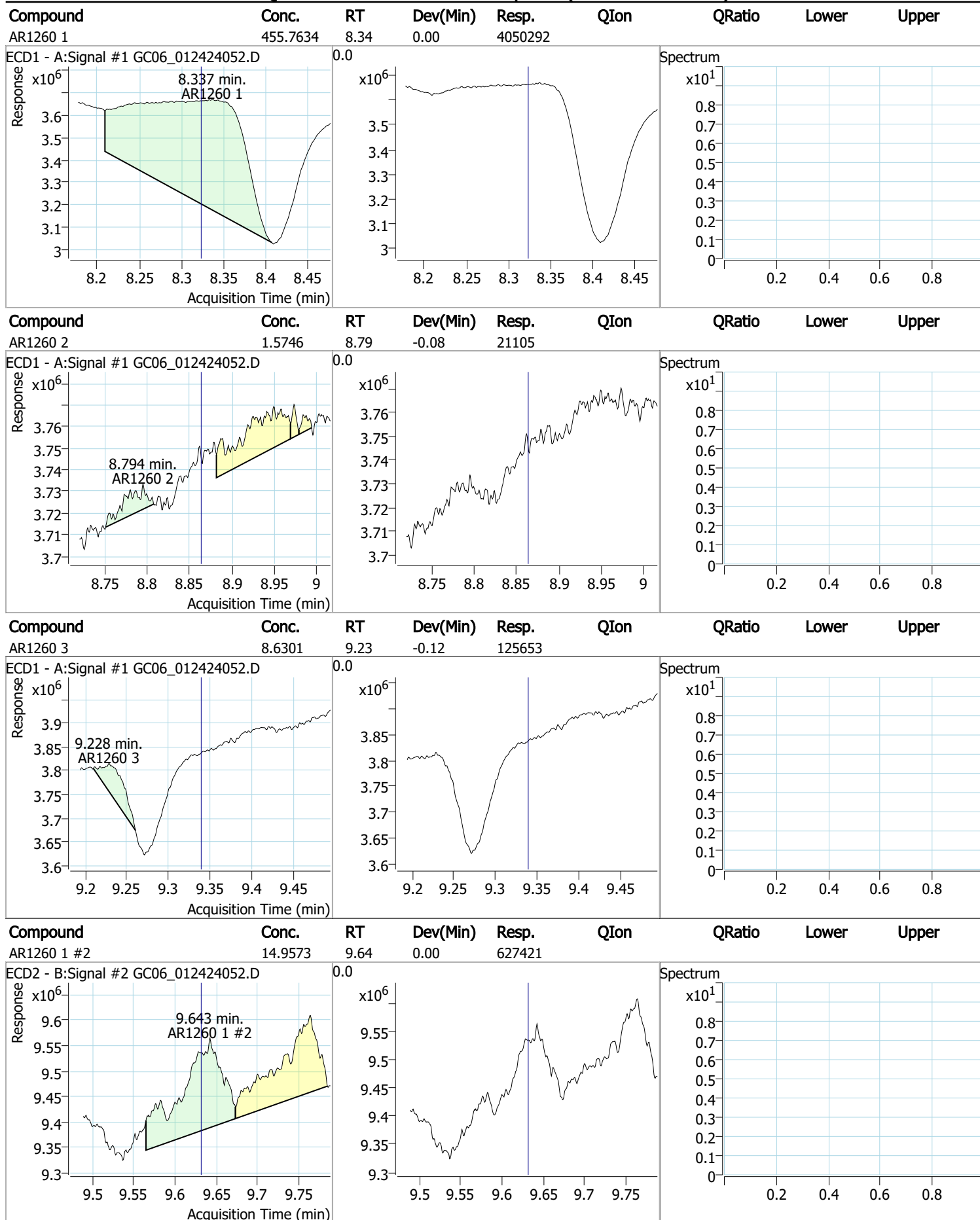
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	42.6308	6.15	0.03	211996				



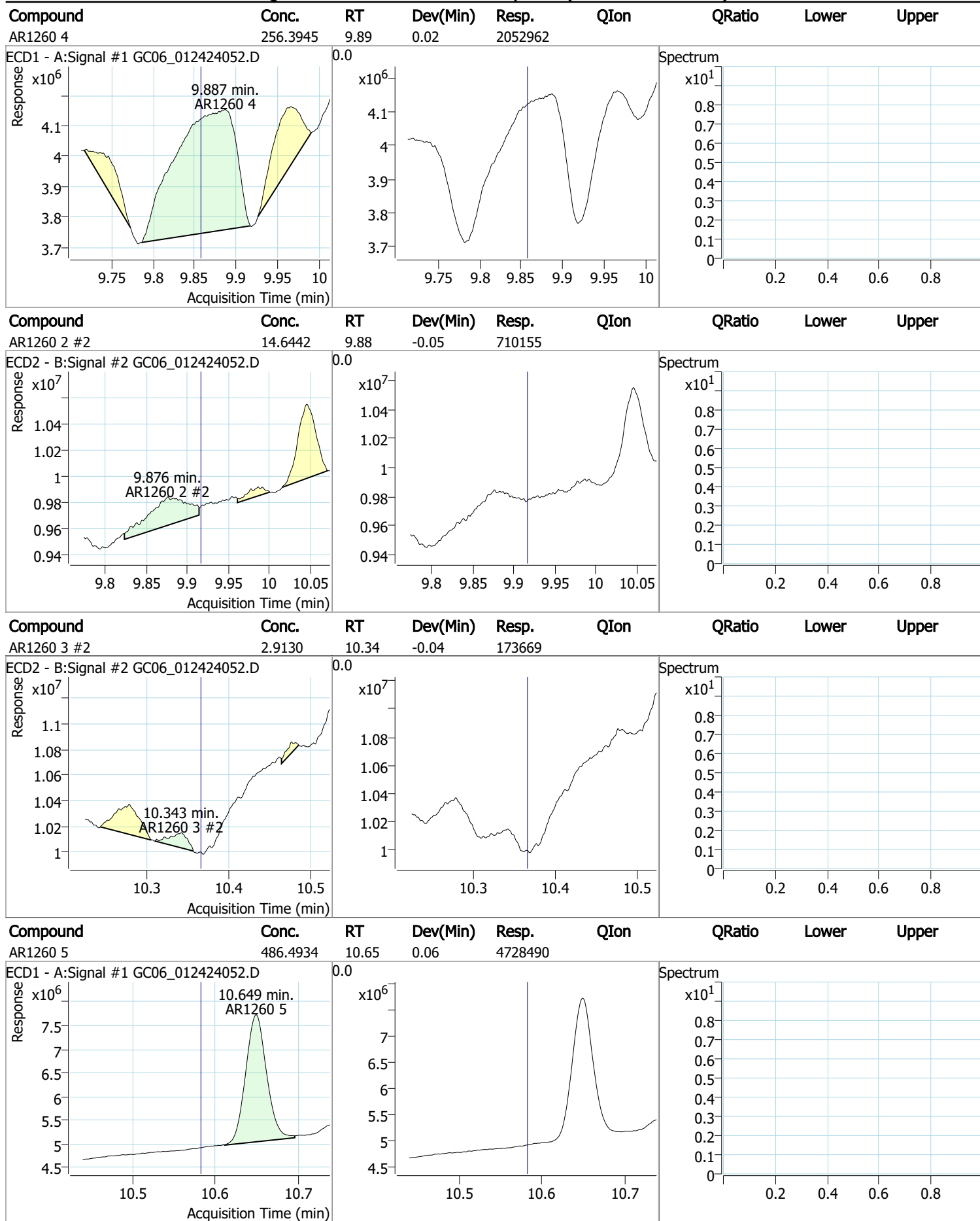
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

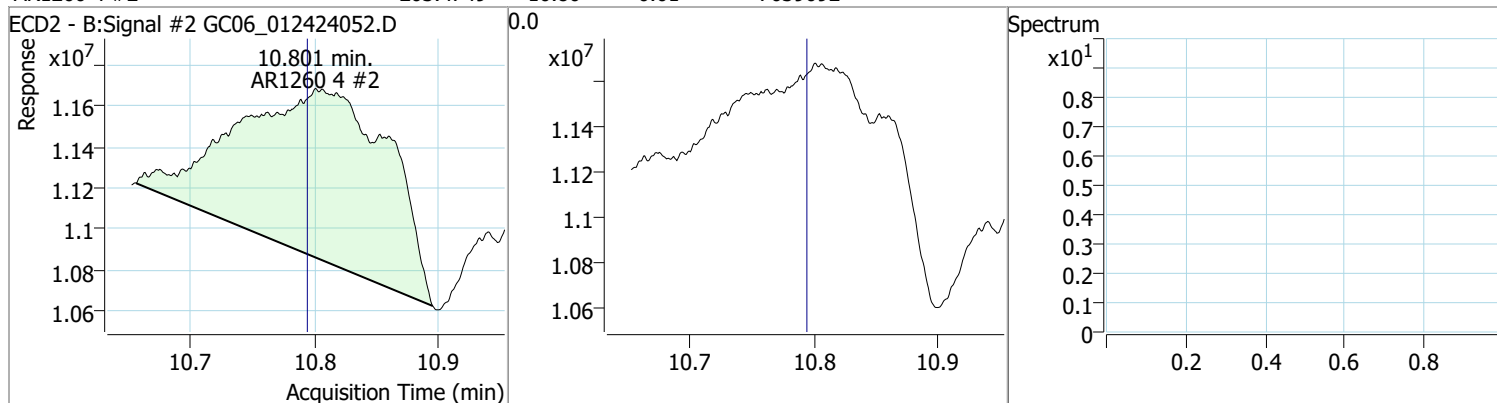


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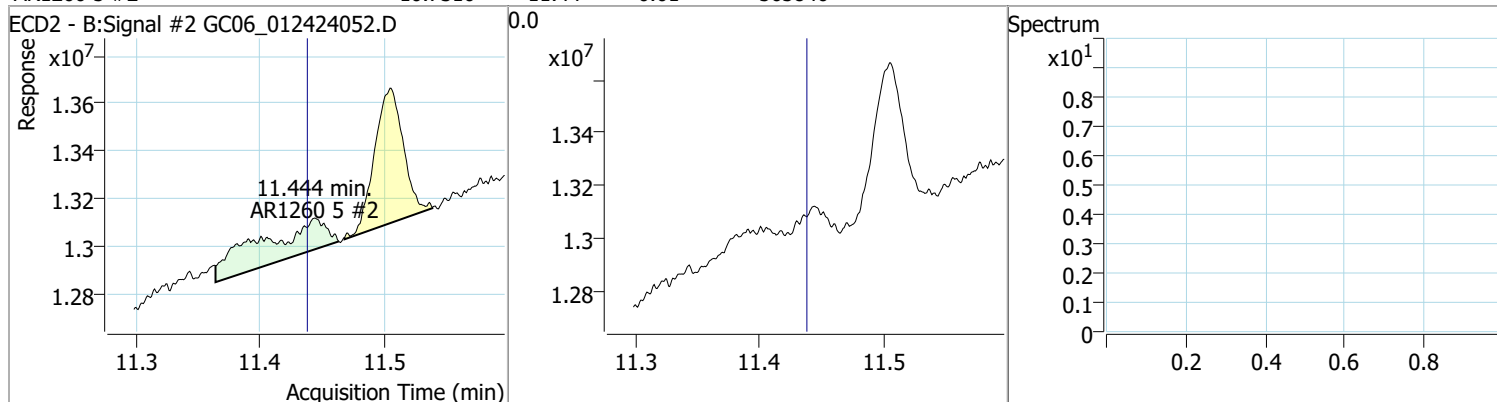


Quantitation Results Report (Not Reviewed)

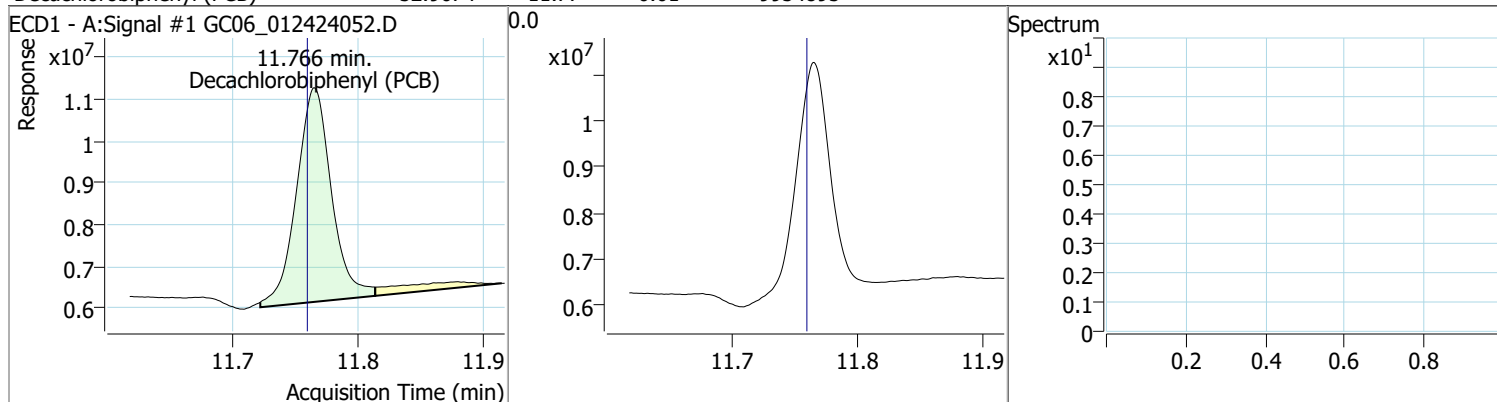
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	203.4749	10.80	-0.01	7039092				



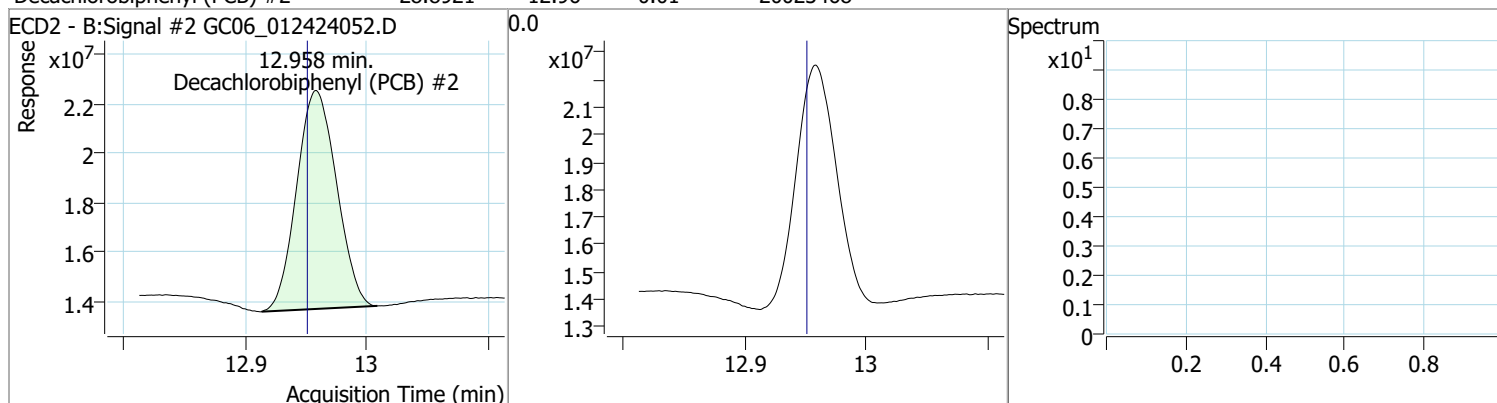
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.7310	11.44	-0.01	565846				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	52.9074	11.77	-0.01	9954895				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.8921	12.96	-0.01	20023468				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-020	Client ID: ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-P-LA
Seqnum: 454035180053	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424053	Batch: 330971	Time: 25-JAN-2024 01:52
Cal: 454035180003	Caldate: 24-JAN-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	37.85	ND	1.4	117%	0.50		u
Aroclor-1016 Peak # 1	B	33.00	0.33	0.53	46%			
Aroclor-1016 Peak # 2	B	13.00	0.13	0.18	32%			
Aroclor-1016 Peak # 3	B	27.47	0.27	6.35	183%			
Aroclor-1016 Peak # 4	B	1.019	0.01	0.04	126%			
Aroclor-1016 Peak # 5	B	114.8	1.15	0.12	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	59.96	0.60 FP	1.3	73%	0.50		x u
Aroclor-1260 Peak # 1	B	61.16	0.61	3.21	136%			
Aroclor-1260 Peak # 2	B	4.226	0.04	0.00	186%			
Aroclor-1260 Peak # 3	B	1.795	0.02	0.13	152%			
Aroclor-1260 Peak # 4	B	228.3	2.28	2.23	3%			
Aroclor-1260 Peak # 5	B	4.337	0.04	0.86	181%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.67	0.5000	0.3867	77	19-121	c+ u
Decachlorobiphenyl (PCB)	B	30.04	0.5000	0.3004	60	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	14278250	17.97
1-bromo-2-nitrobenzene (PCB)	A	2388025	2579055	8.00

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.09	-0.01

01/25/24 : WIPE/1S-10ML

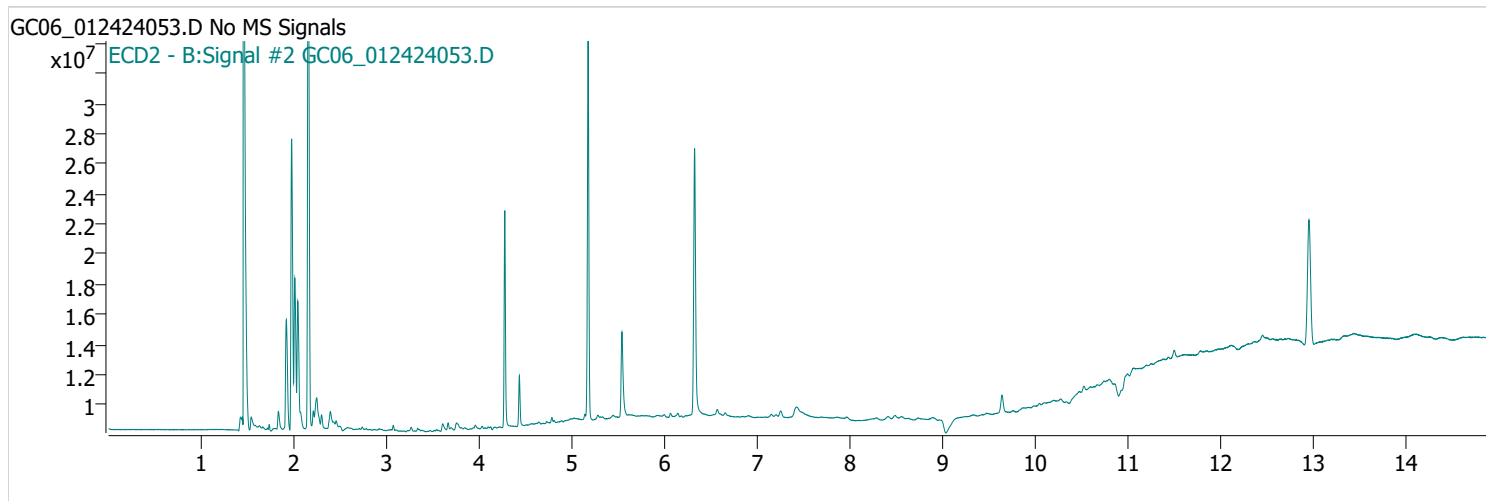
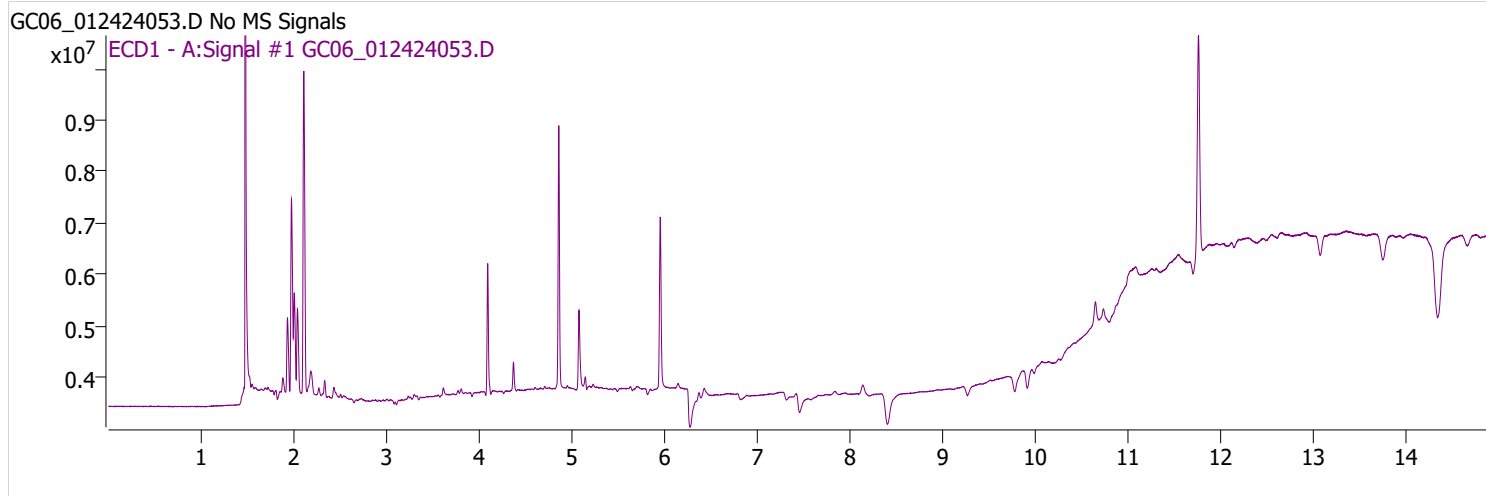
+ = high bias c = CCV u = use x = false positive

Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_012424053.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/25/2024 1:52:04 AM
Sample Name	500180-020, 330971, 1	Instrument	SVOA-GC06
Vial	43	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	2579054.78 9	20.0000	ng/ml	-0.005
M 1-bromo-2-nitrobenzene (PCB) #2	4.278	0.0	14278249.9 11	20.0000	ng/ml	-0.007
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	5248181.48 9	44.1741	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.87%	*	
S TCMX (PCB) #2	5.178	0.0	27225183.8 58	38.6661	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.33%	*	
S Decachlorobiphenyl (PCB)	11.766	0.0	9034705.91 1	46.8217	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 234.11%	*	
S Decachlorobiphenyl (PCB) #2	12.959	0.0	19094245.9 78	30.0392	ng/ml	-0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.20%	*	

Target Compounds

GC06_012424053.D

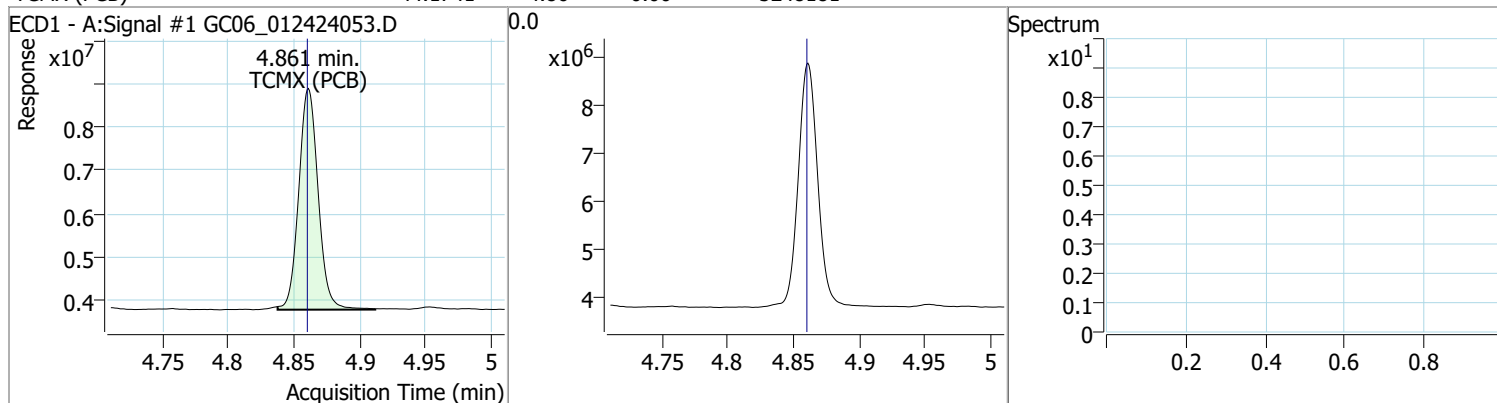
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.191	0.0	139815.179	52.7826	ng/ml	100
T AR1016 2	5.463	0.0	95276.891	17.9730	ng/ml	100
T AR1016 1 #2	5.613	0.0	587299.965	32.9982	ng/ml	100
T AR1016 3	5.956	0.0	4403560.97 1	634.8607	ng/ml	100
T AR1016 2 #2	6.067	0.0	388299.098	12.9960	ng/ml	100
T AR1016 4	6.098	0.0	22851.133	4.4808	ng/ml	100
T AR1016 5	6.560	0.0	51134.788	11.9577	ng/ml	100
T AR1016 3 #2	6.572	0.0	1107632.61 6	27.4651	ng/ml	100
T AR1016 4 #2	6.788	0.0	28126.868	1.0193	ng/ml	100
T AR1016 5 #2	7.426	0.0	2859374.19 7	114.7901	ng/ml	100
T AR1260 1	8.343	0.0	2924636.70 8	320.9062	ng/ml	100
T AR1260 2	8.869	0.0	2096.727	0.1525	ng/ml	100
T AR1260 3	9.223	0.0	197359.403	13.2177	ng/ml	100
T AR1260 1 #2	9.646	0.0	2353098.83 9	61.1619	ng/ml	100
T AR1260 4	9.874	0.0	1827434.67 6	222.5476	ng/ml	100
T AR1260 2 #2	9.938	0.0	187964.951	4.2261	ng/ml	100
T AR1260 3 #2	10.342	0.0	98162.845	1.7952	ng/ml	100
T AR1260 5	10.654	0.0	857617.319	86.0401	ng/ml	100
T AR1260 4 #2	10.805	0.0	7242798.69 0	228.2691	ng/ml	100
T AR1260 5 #2	11.441	0.0	209752.111	4.3371	ng/ml	100

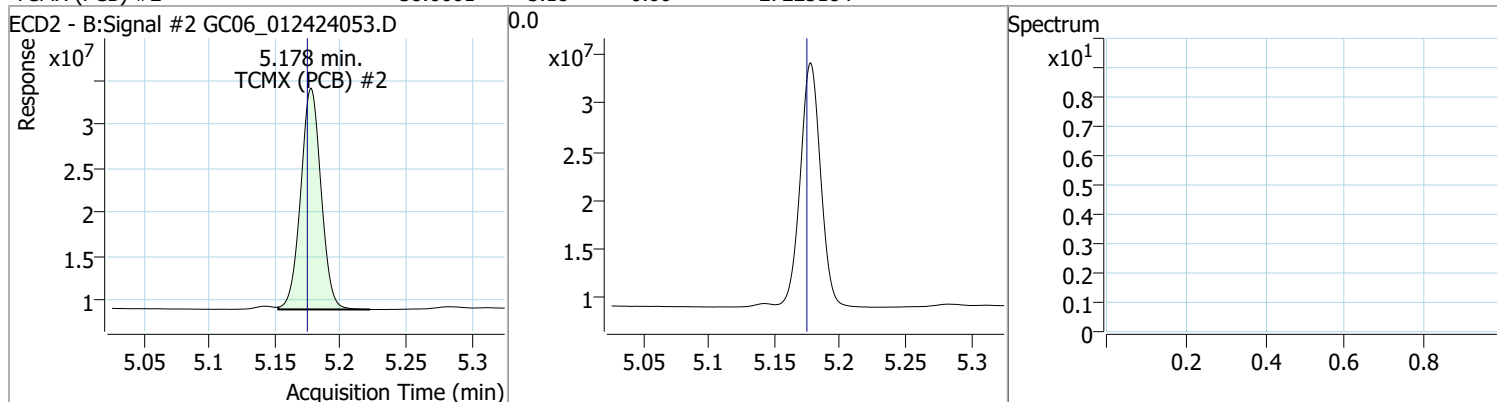
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

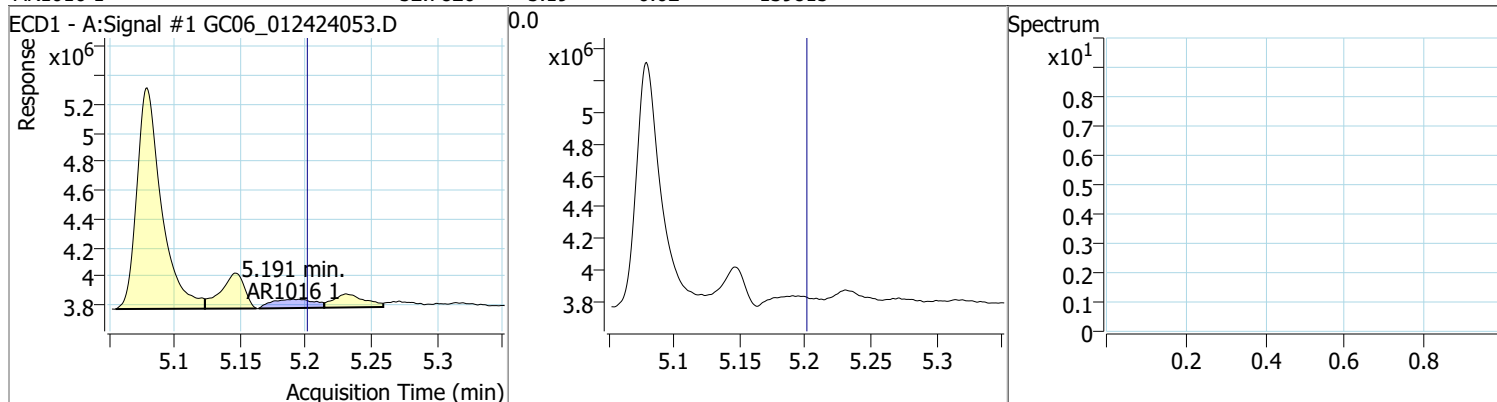
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.1741	4.86	0.00	5248181				



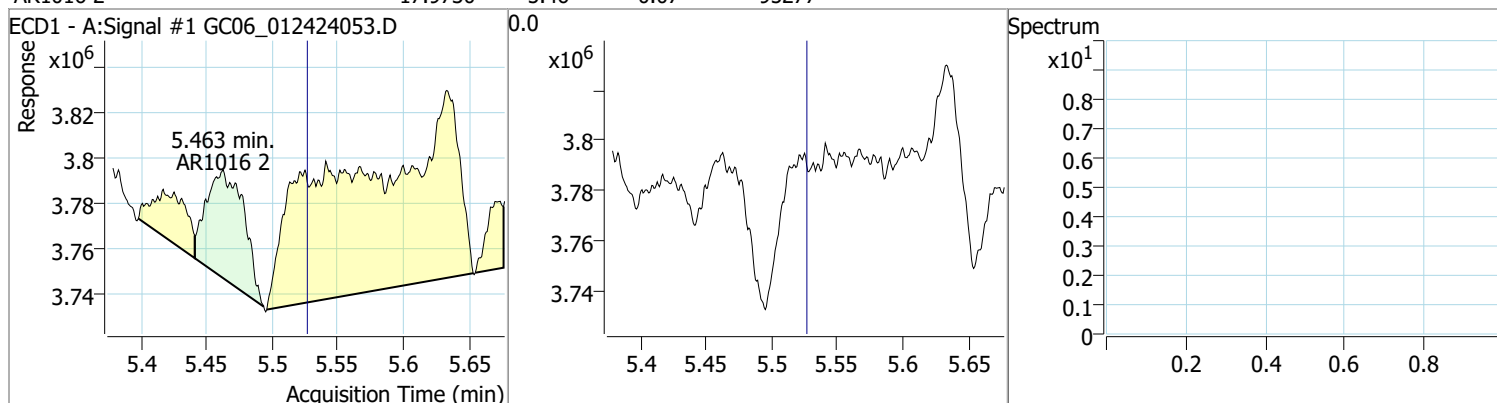
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.6661	5.18	0.00	27225184				



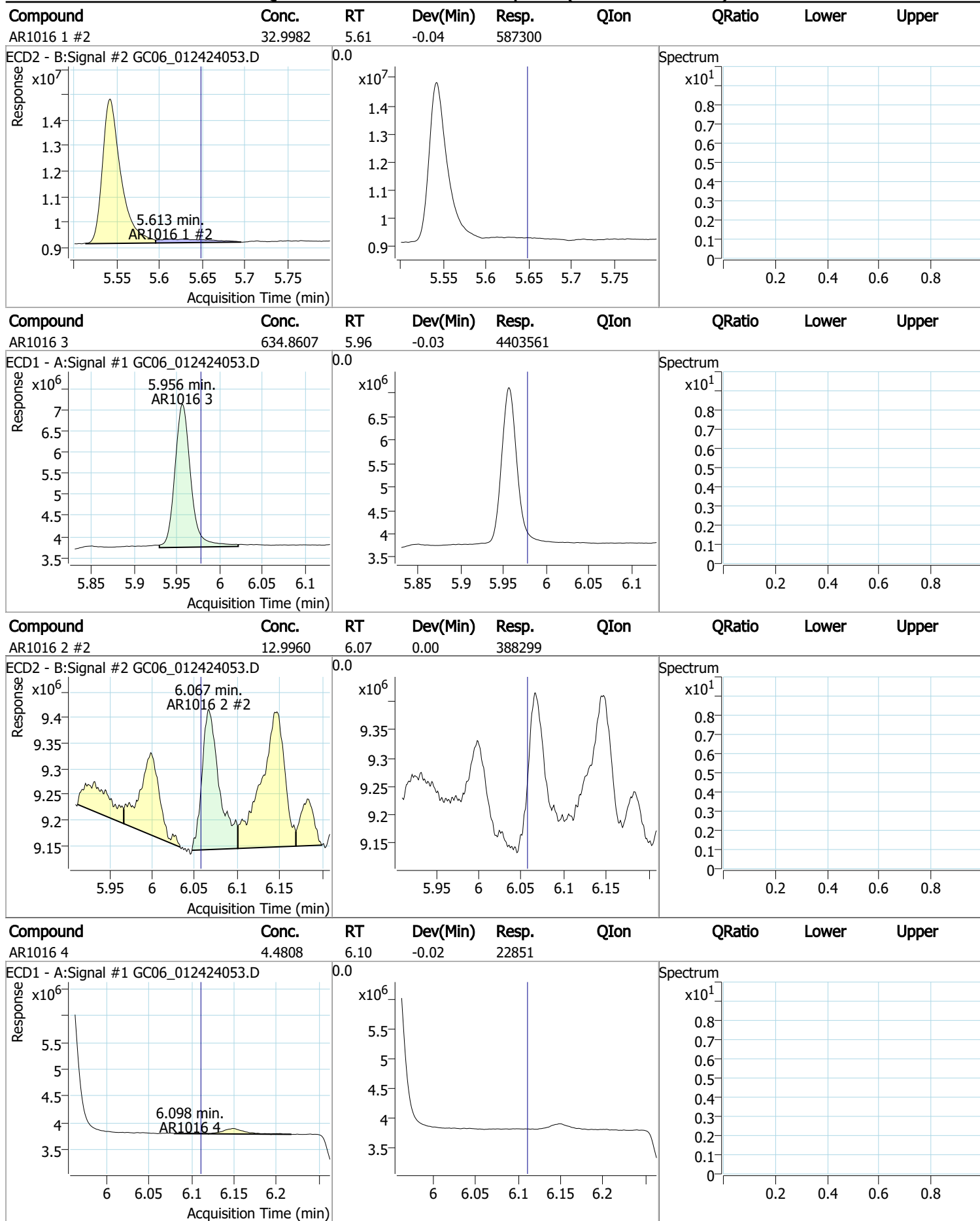
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.7826	5.19	-0.02	139815				



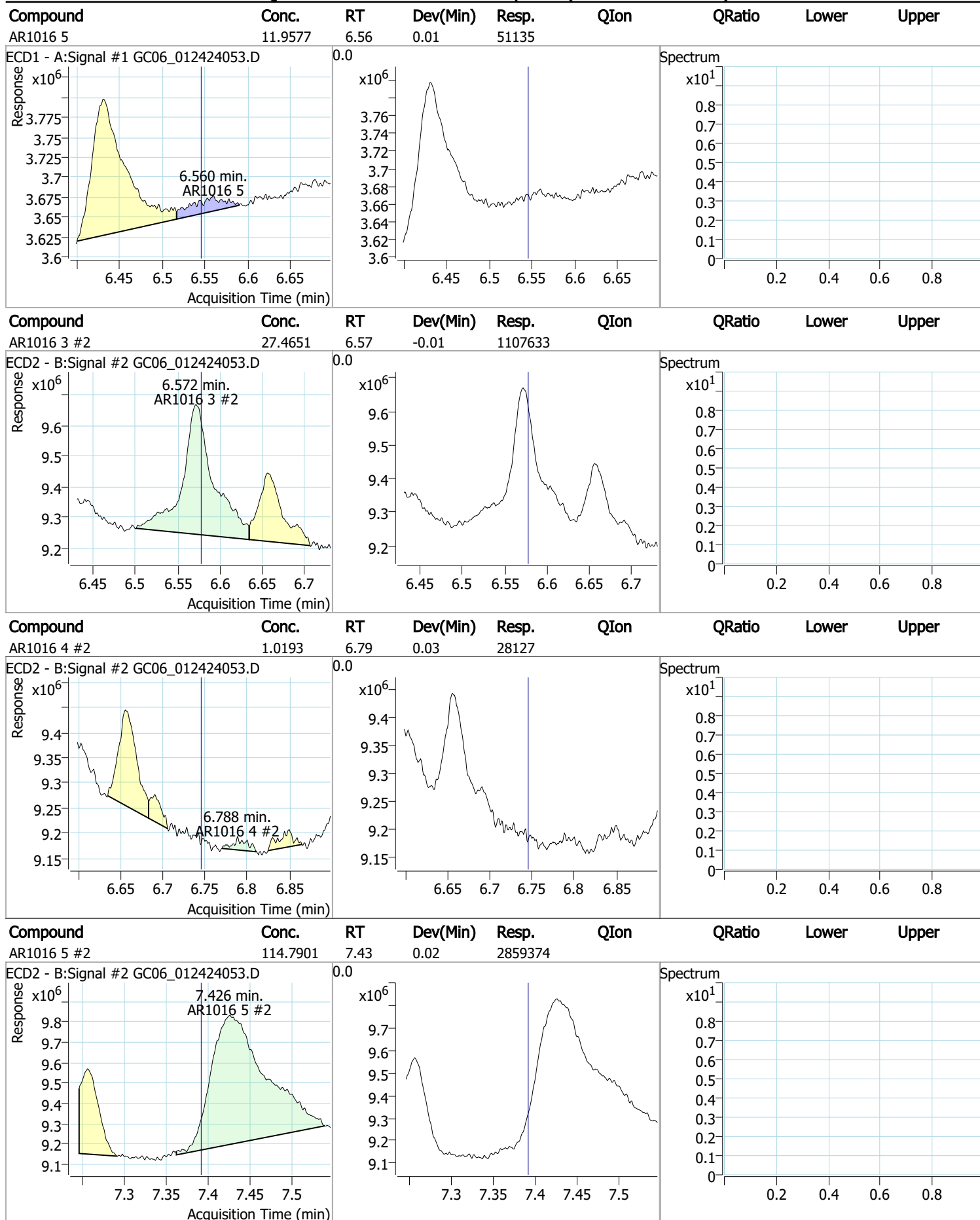
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	17.9730	5.46	-0.07	95277				



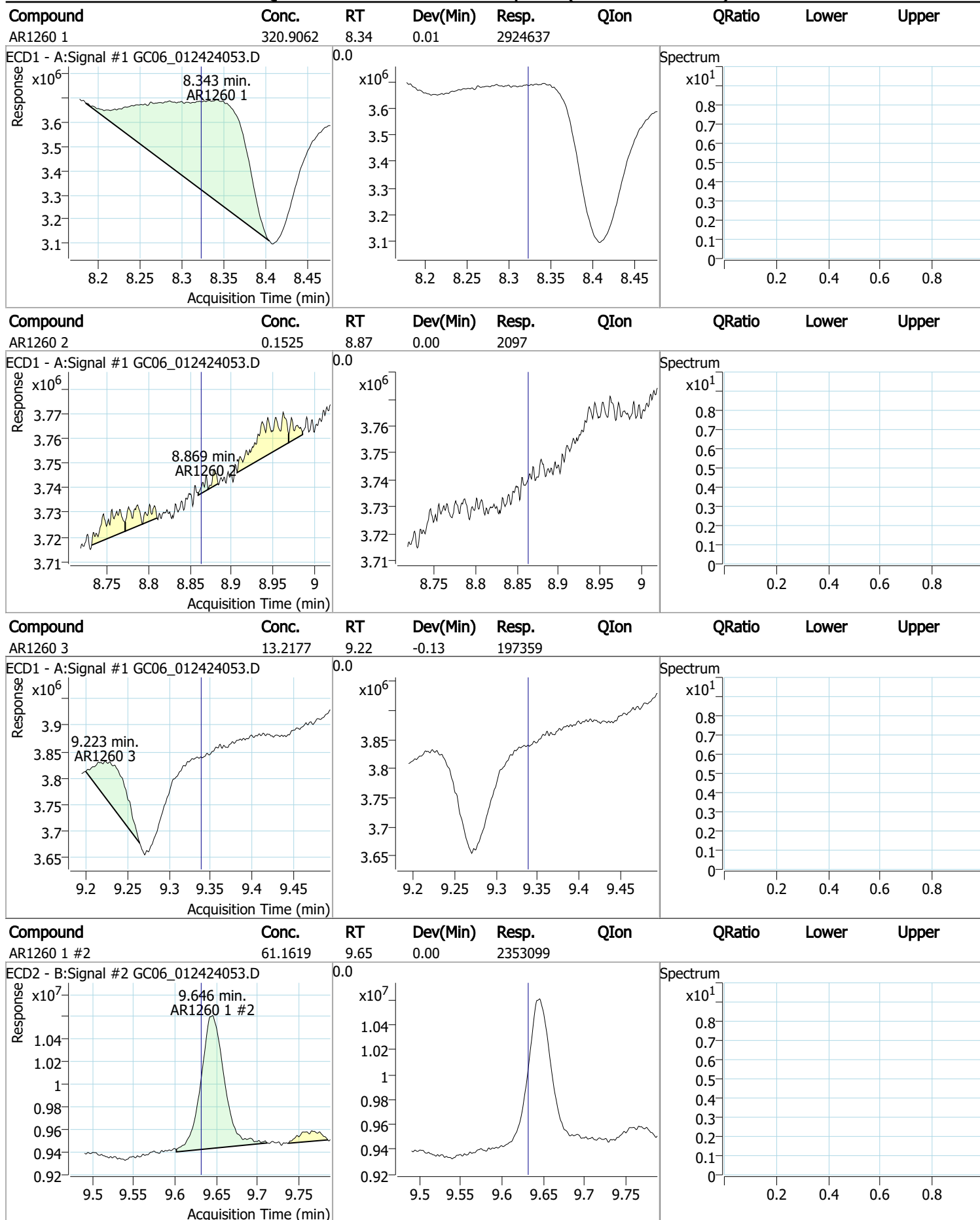
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



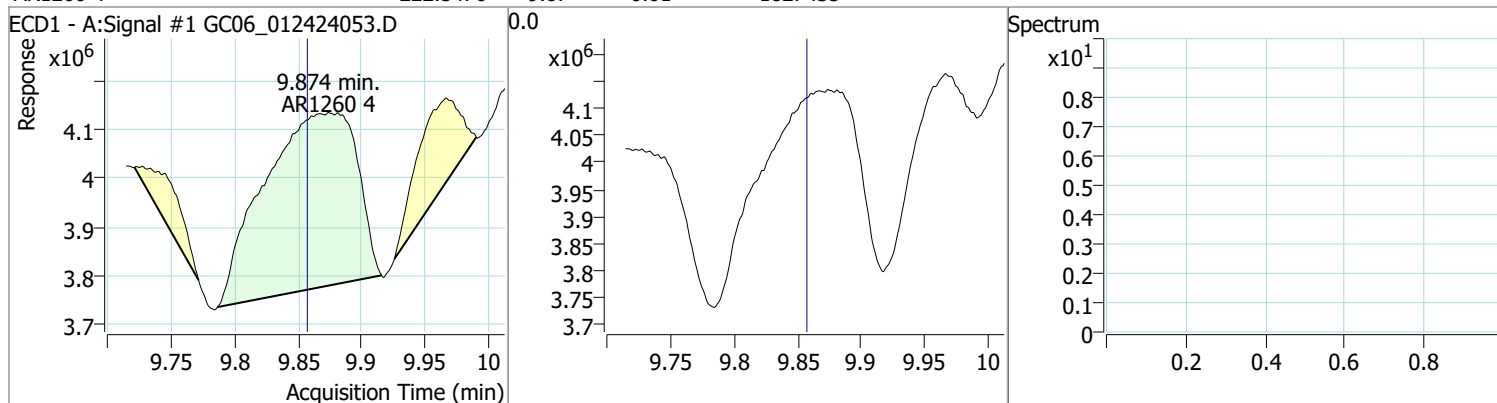
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

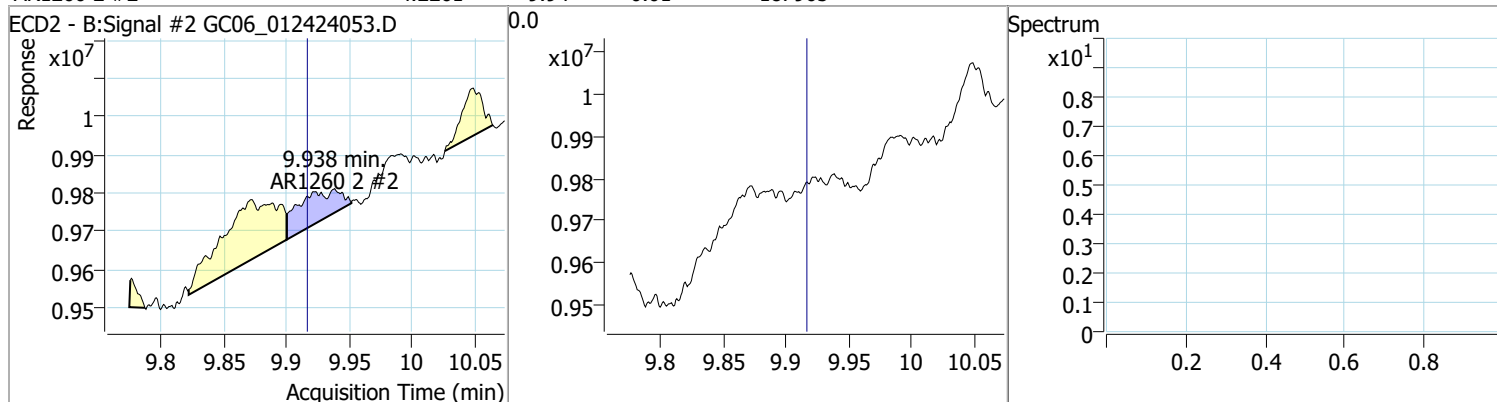
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 4 222.5476 9.87 0.01 1827435



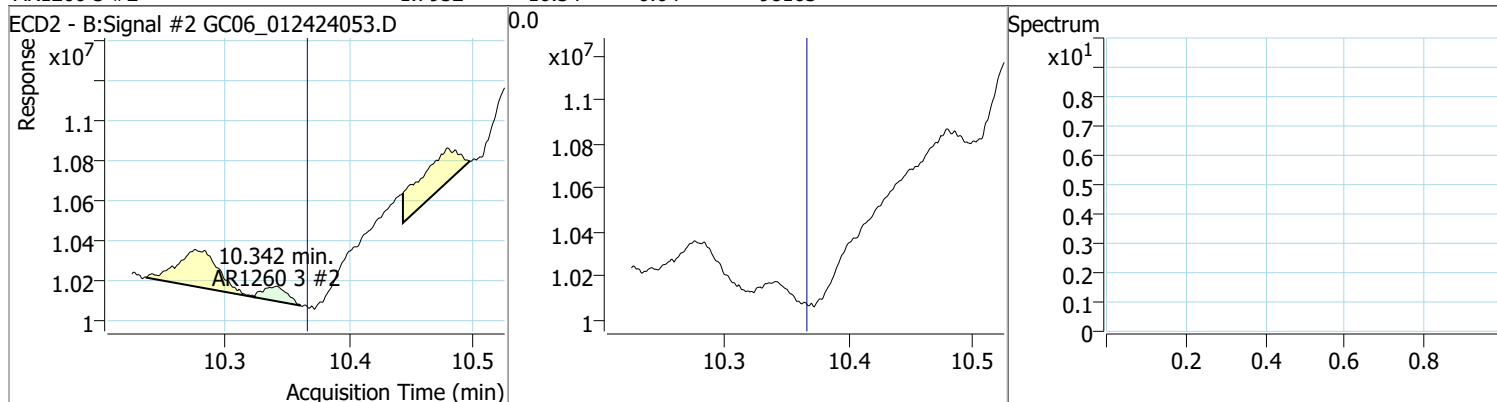
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 #2 4.2261 9.94 0.01 187965



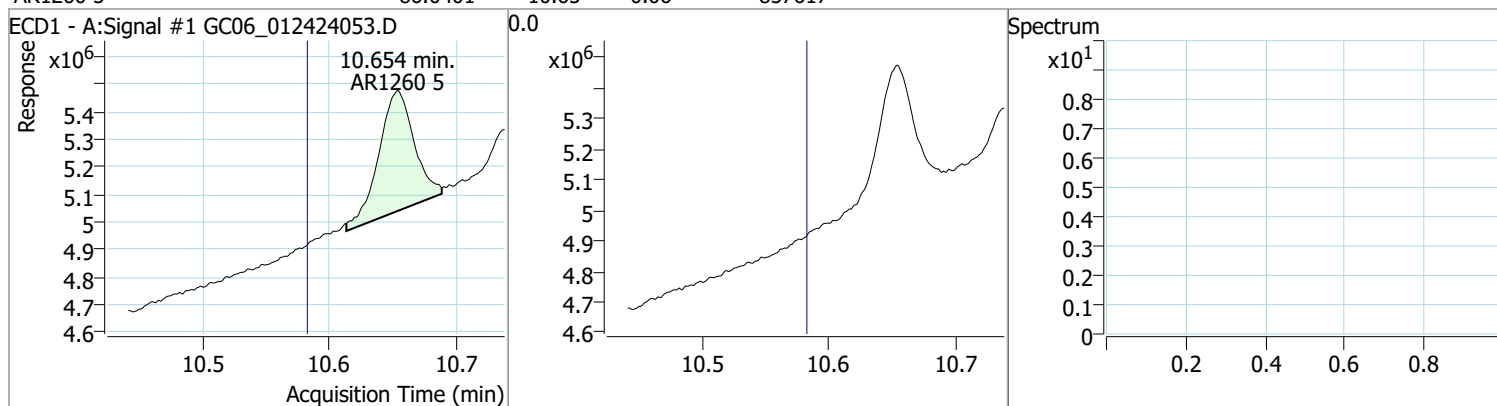
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 #2 1.7952 10.34 -0.04 98163

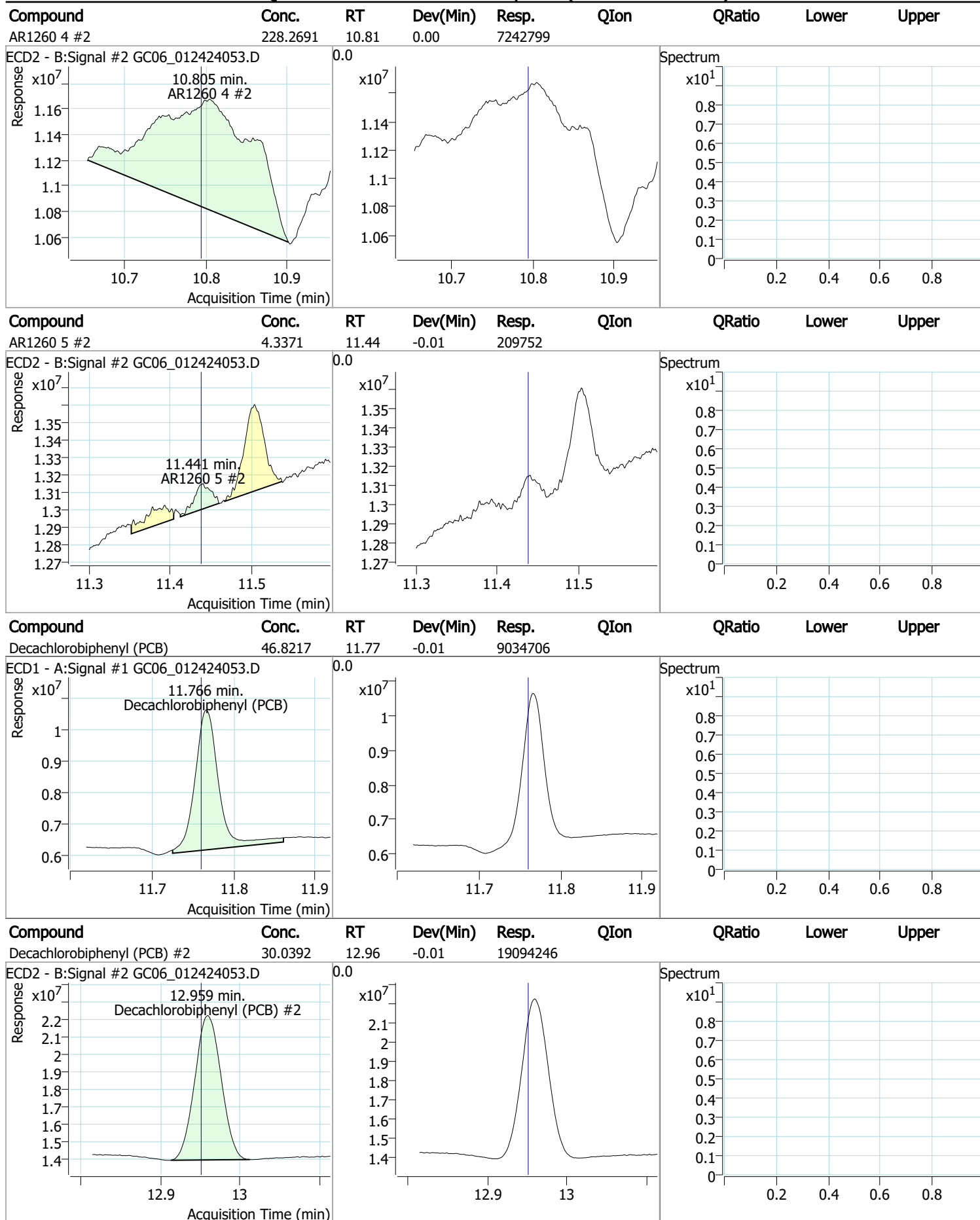


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 5 86.0401 10.65 0.06 857617



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-022	Client ID: ARCH-C13W-INT-2.5 TO 3.5-240118-P-WF
Seqnum: 454035180054	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424054	Batch: 330971	Time: 25-JAN-2024 02:11
Cal: 454035180003	Caldate: 24-JAN-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	16.66	ND	0.89	137%	0.50		u
Aroclor-1016 Peak # 1	B	39.14	0.39	2.28	141%			
Aroclor-1016 Peak # 2	B	10.86	0.11	0.13	19%			
Aroclor-1016 Peak # 3	B	21.82	0.22	1.80	157%			
Aroclor-1016 Peak # 4	B	0.8673	0.01	0.16	179%			
Aroclor-1016 Peak # 5	B	10.62	0.11	0.06	55%			
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	43.40	ND	0.86	66%	0.50		u
Aroclor-1260 Peak # 1	B	11.30	0.11	2.38	182%			
Aroclor-1260 Peak # 2	B	3.749	0.04	0.02	67%			
Aroclor-1260 Peak # 3	B	1.445	0.01	0.09	146%			
Aroclor-1260 Peak # 4	B	177.8	1.78	1.33	29%			
Aroclor-1260 Peak # 5	B	22.72	0.23	0.47	69%			
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	40.38	0.5000	0.4038	81	19-121	c+ u
Decachlorobiphenyl (PCB)	B	31.95	0.5000	0.3195	64	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	15596992	28.86
1-bromo-2-nitrobenzene (PCB)	A	2388025	2820112	18.09

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.09	-0.01

01/25/24 : WIPE/1S-10ML

+ = high bias c = CCV u = use

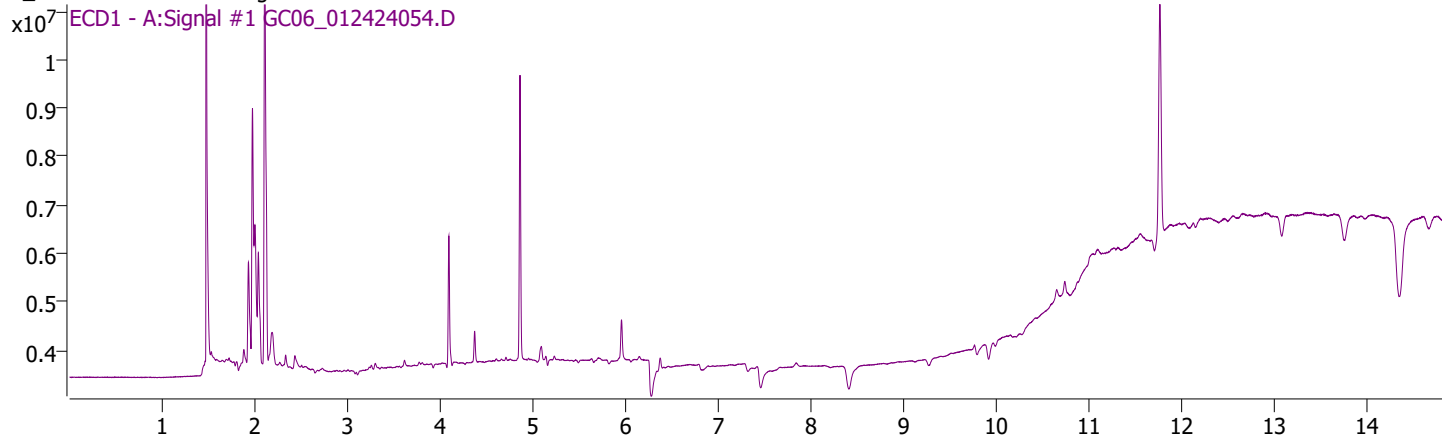
Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

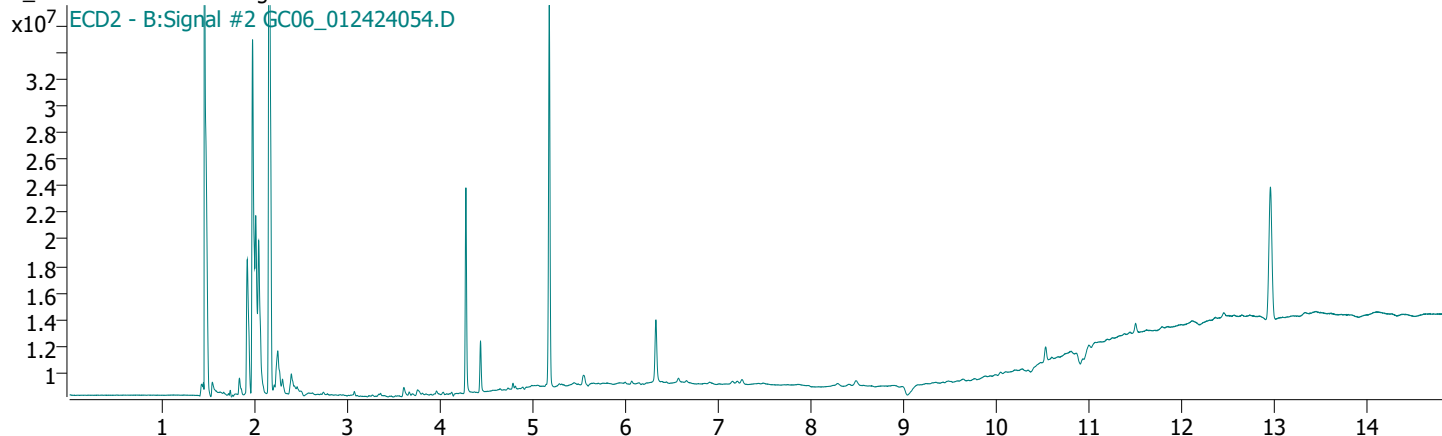
Quantitation Results Report (Not Reviewed)

Data File	GC06_012424054.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/25/2024 2:11:55 AM
Sample Name	500180-022, 330971, 1	Instrument	SVOA-GC06
Vial	44	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			

GC06_012424054.D No MS Signals



GC06_012424054.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	2820111.58 5	20.0000	ng/ml	-0.005
M 1-bromo-2-nitrobenzene (PCB) #2	4.277	0.0	15596992.2 54	20.0000	ng/ml	-0.007
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	5953731.76 3	45.8292	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 229.15%	*	
S TCMX (PCB) #2	5.177	0.0	31057856.9 27	40.3799	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.90%	*	
S Decachlorobiphenyl (PCB)	11.767	0.0	9731551.17 9	46.1221	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.61%	*	
S Decachlorobiphenyl (PCB) #2	12.959	0.0	22186248.4 69	31.9525	ng/ml	-0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.76%	*	

Target Compounds

QValue

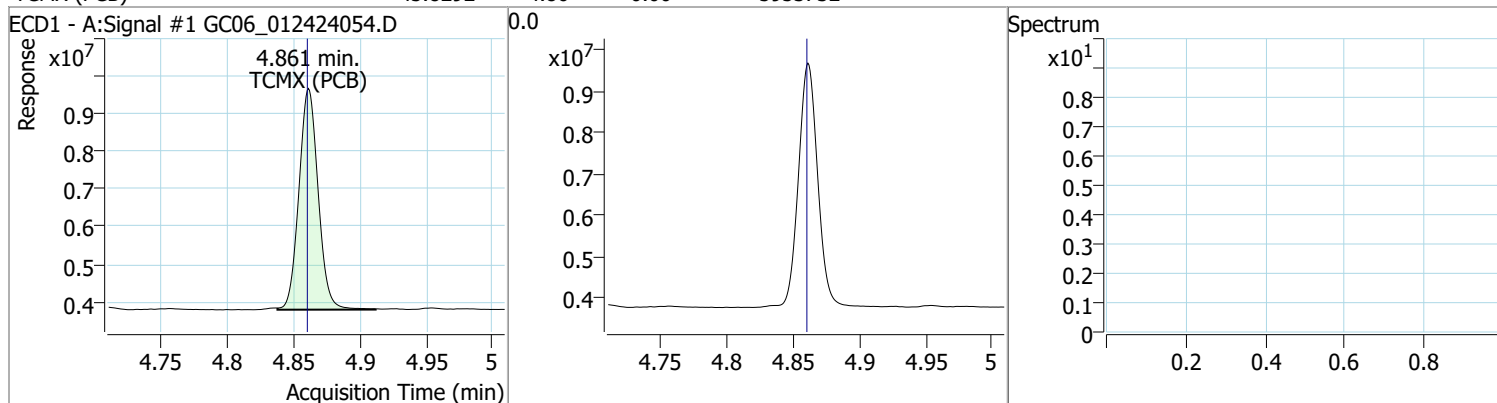
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.233	0.0	659793.692	227.7923	ng/ml	100
T AR1016 2	5.459	0.0	76444.359	13.1878	ng/ml	100
T AR1016 1 #2	5.654	0.0	760936.409	39.1392	ng/ml	100
T AR1016 3	5.957	0.0	1363632.607	179.7902	ng/ml	100
T AR1016 2 #2	6.068	0.0	354594.410	10.8644	ng/ml	100
T AR1016 4	6.093	0.0	87548.081	15.6996	ng/ml	100
T AR1016 5	6.463	0.0	28392.839	6.0720	ng/ml	100
T AR1016 3 #2	6.573	0.0	961331.089	21.8219	ng/ml	100
T AR1016 4 #2	6.788	0.0	26144.770	0.8673	ng/ml	100
T AR1016 5 #2	7.433	0.0	289072.789	10.6237	ng/ml	100
T AR1260 1	8.332	0.0	2369679.140	237.7880	ng/ml	100
T AR1260 2	8.871	0.0	27914.748	1.8572	ng/ml	100
T AR1260 3	9.227	0.0	152678.311	9.3512	ng/ml	100
T AR1260 1 #2	9.648	0.0	474877.308	11.2994	ng/ml	100
T AR1260 4	9.875	0.0	1194036.897	132.9820	ng/ml	100
T AR1260 2 #2	9.933	0.0	182147.135	3.7490	ng/ml	100
T AR1260 3 #2	10.348	0.0	86303.666	1.4449	ng/ml	100
T AR1260 5	10.653	0.0	510122.752	46.8033	ng/ml	100
T AR1260 4 #2	10.808	0.0	6162334.879	177.7953	ng/ml	100
T AR1260 5 #2	11.505	0.0	1200444.156	22.7229	ng/ml	100

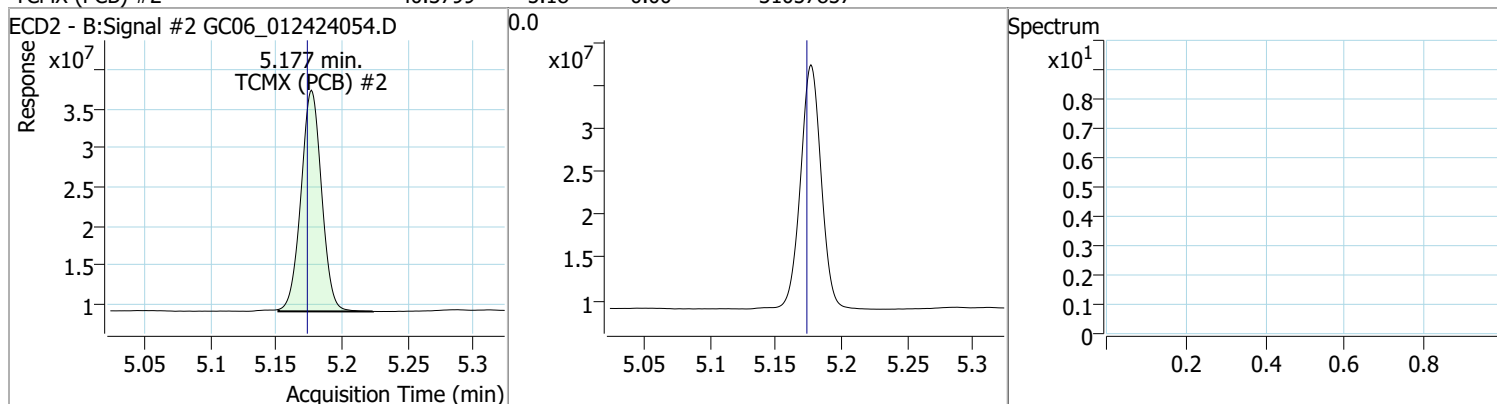
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

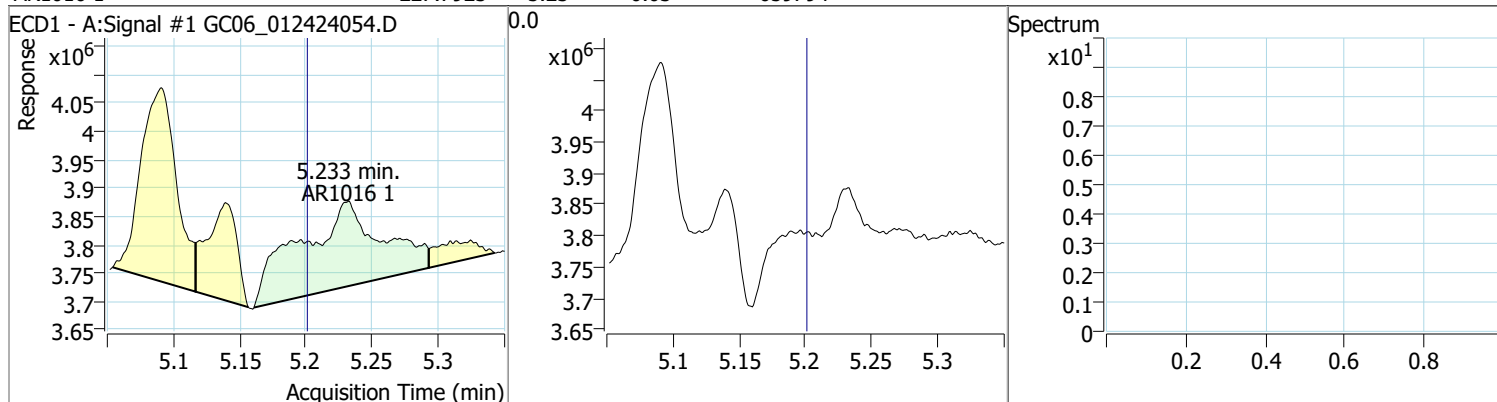
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.8292	4.86	0.00	5953732				



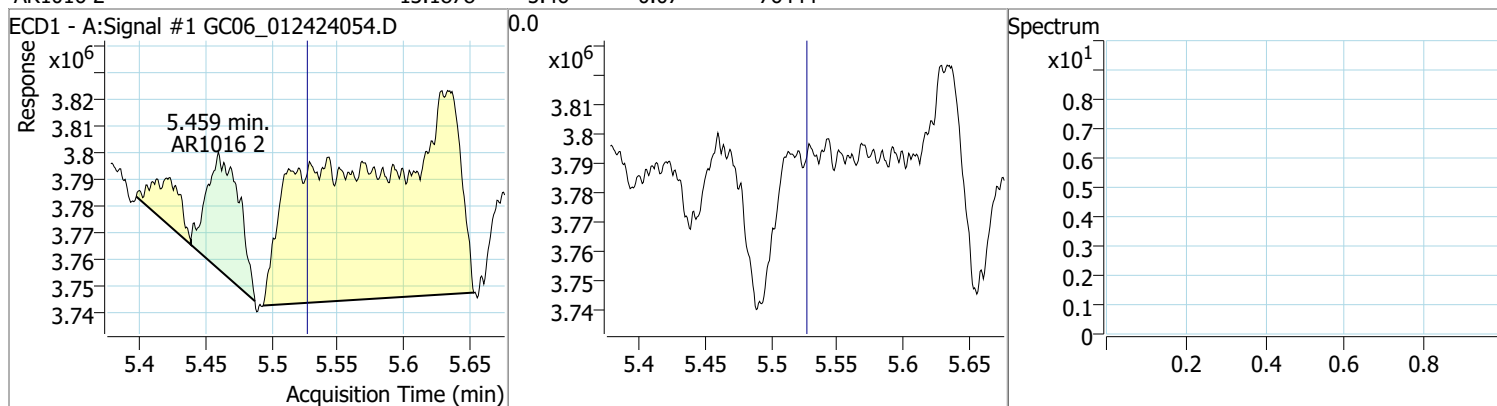
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.3799	5.18	0.00	31057857				



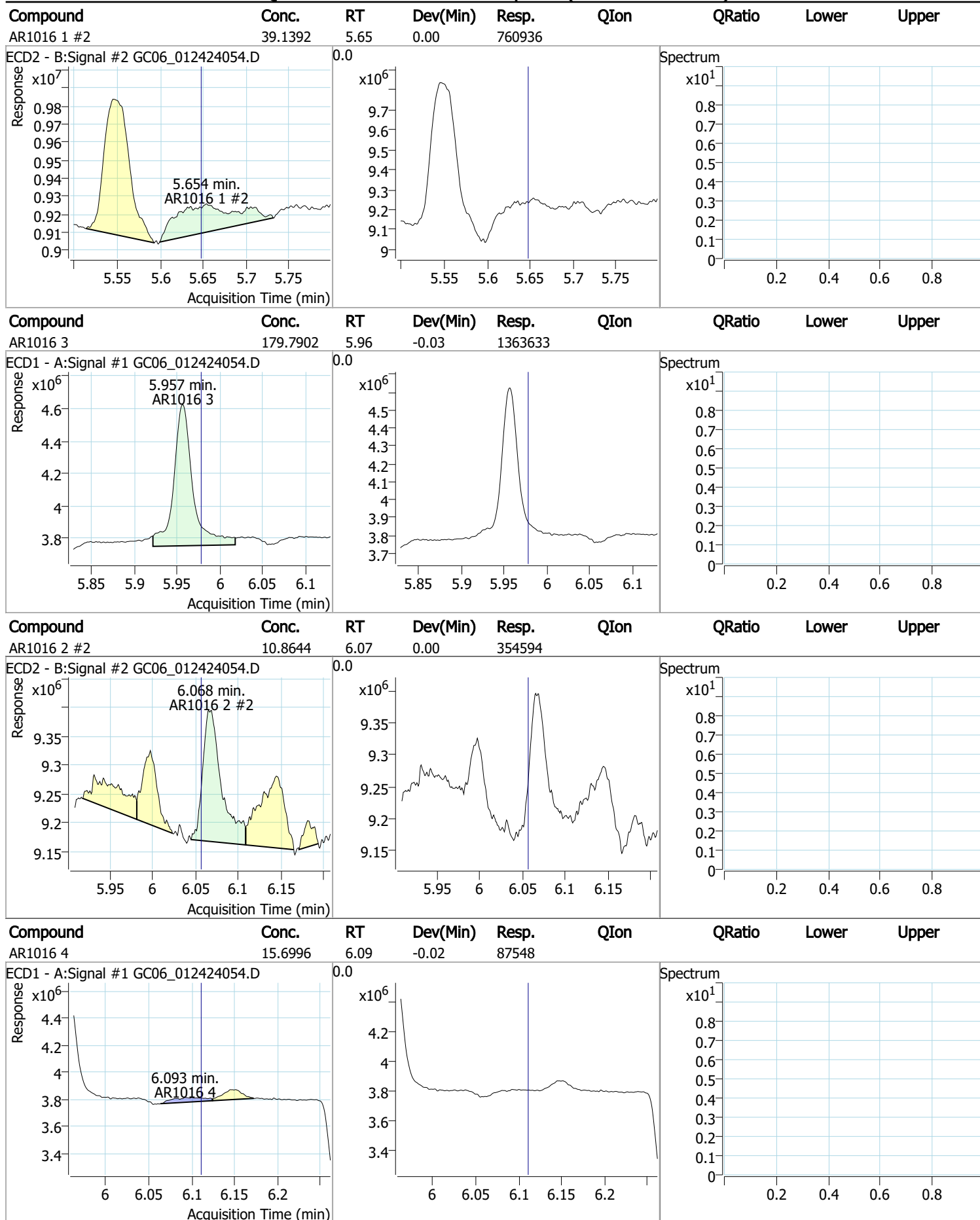
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	227.7923	5.23	0.03	659794				



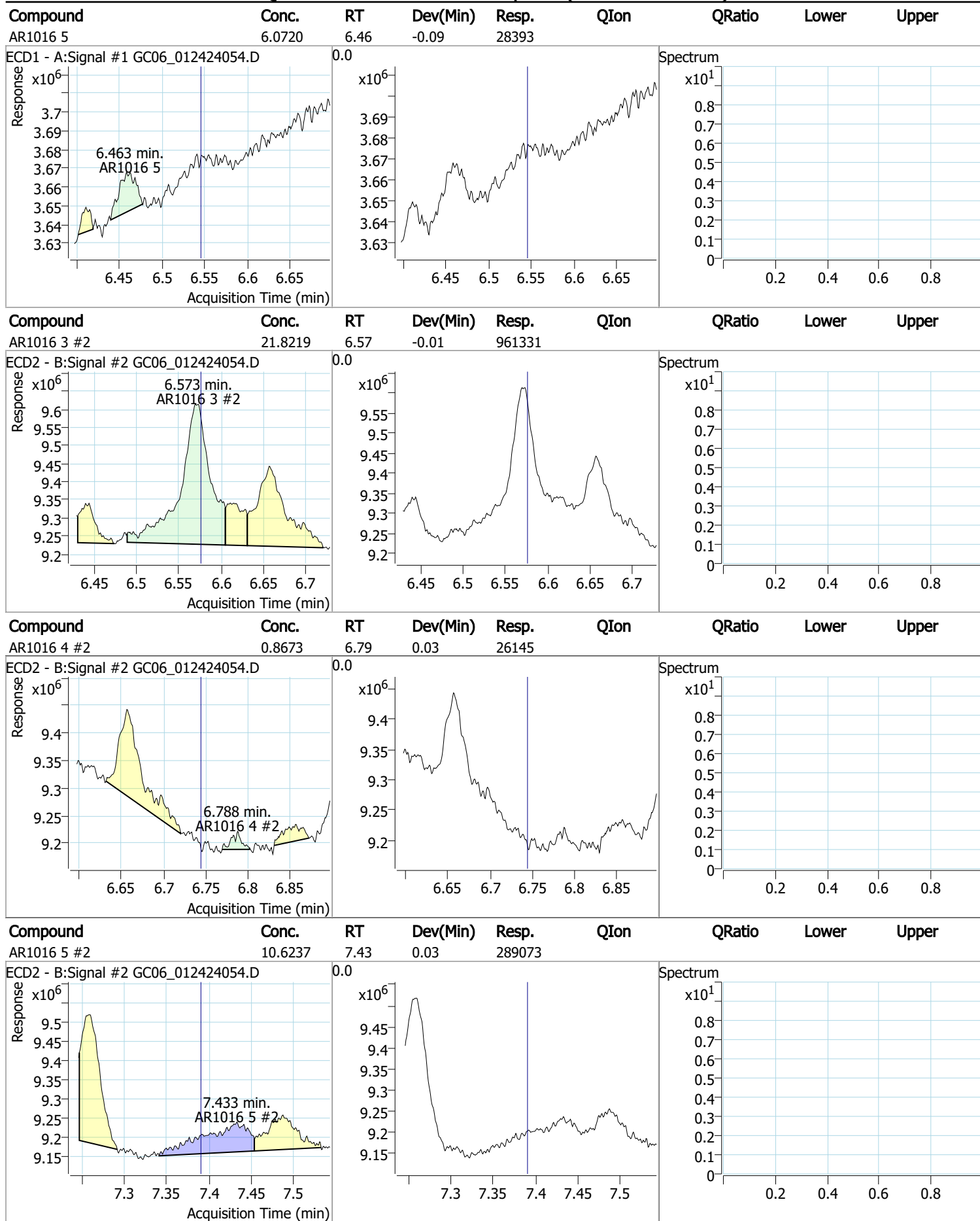
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	13.1878	5.46	-0.07	76444				



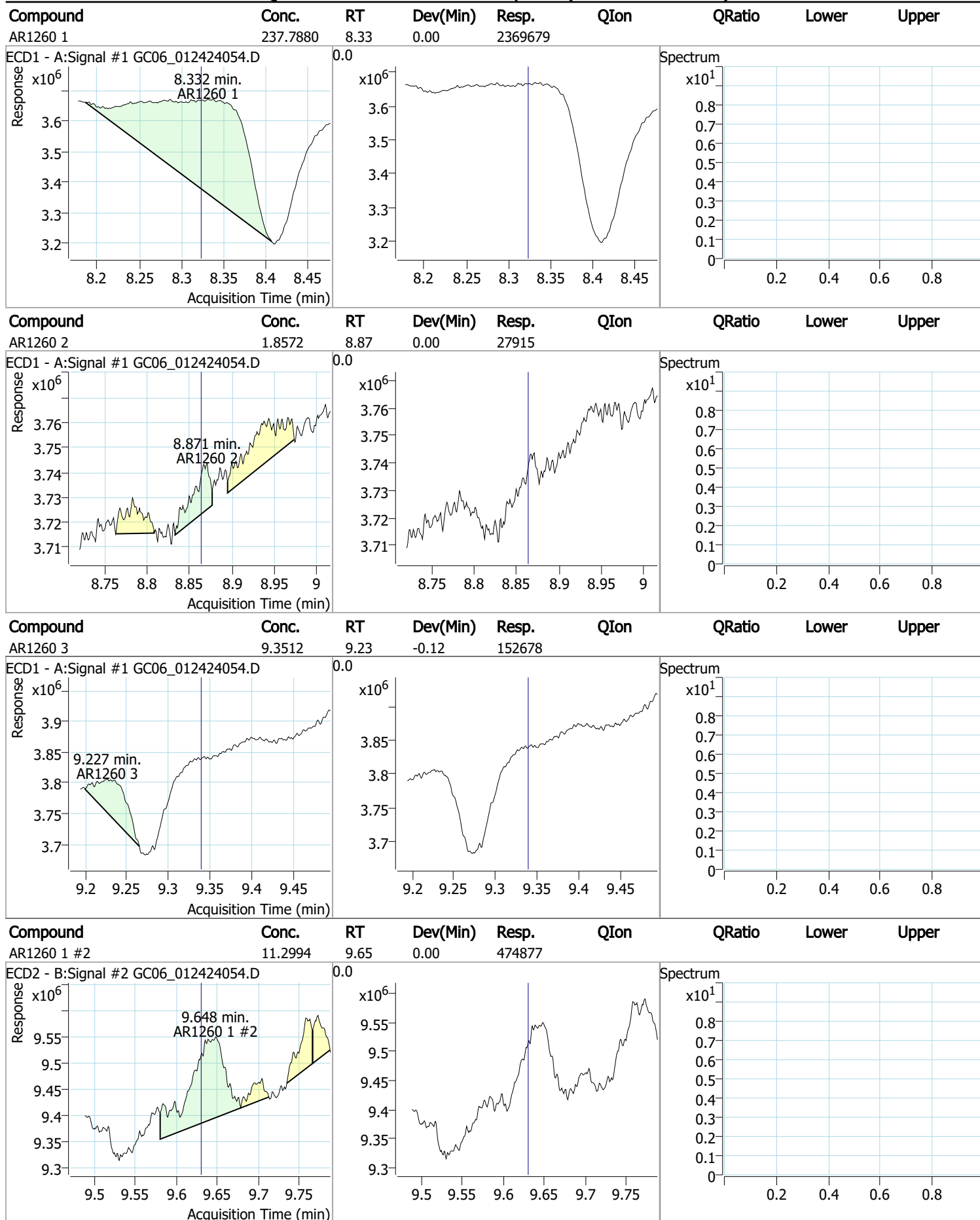
Quantitation Results Report (Not Reviewed)



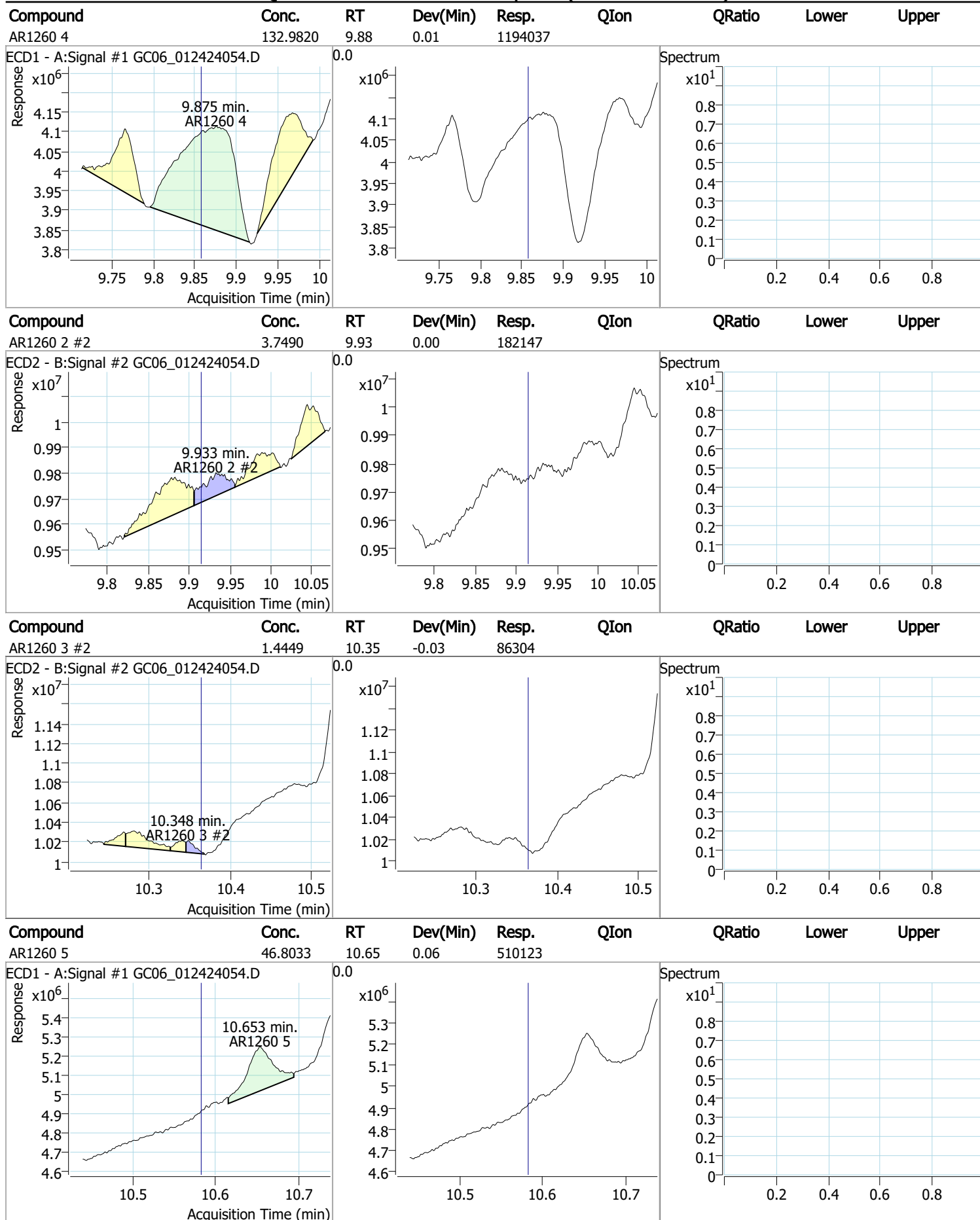
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

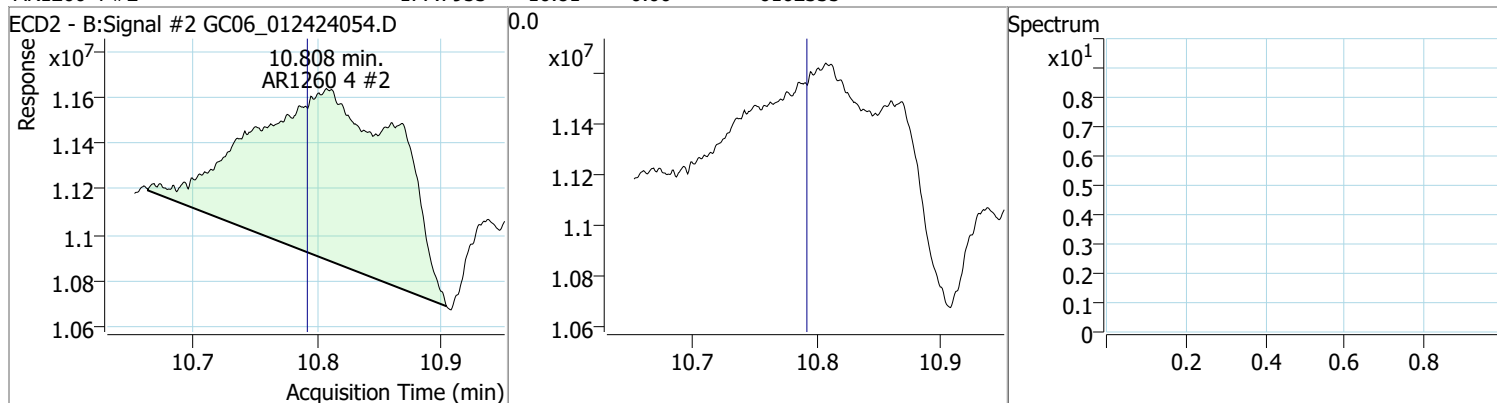


Quantitation Results Report (Not Reviewed)

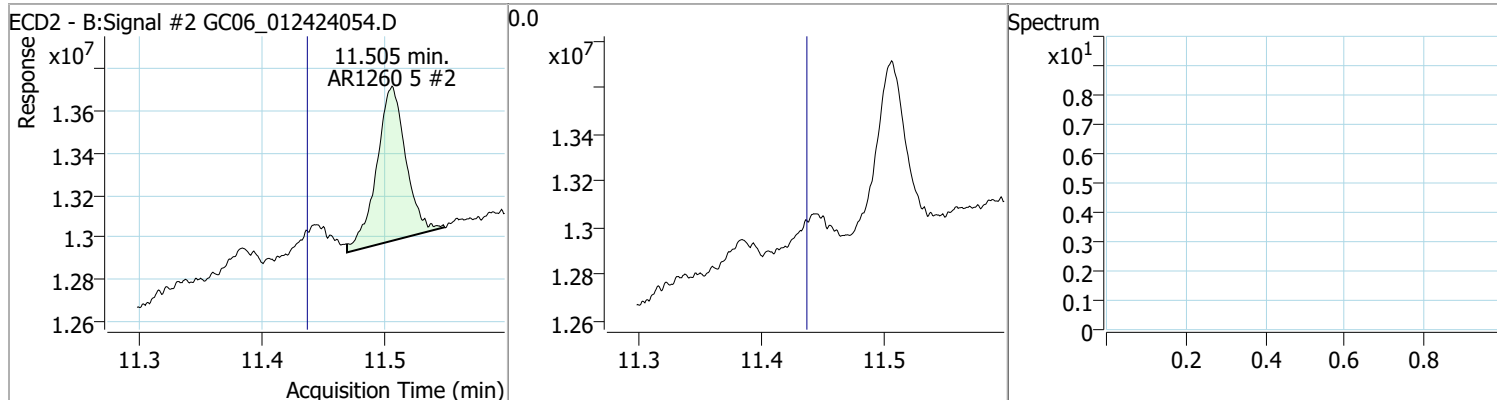


Quantitation Results Report (Not Reviewed)

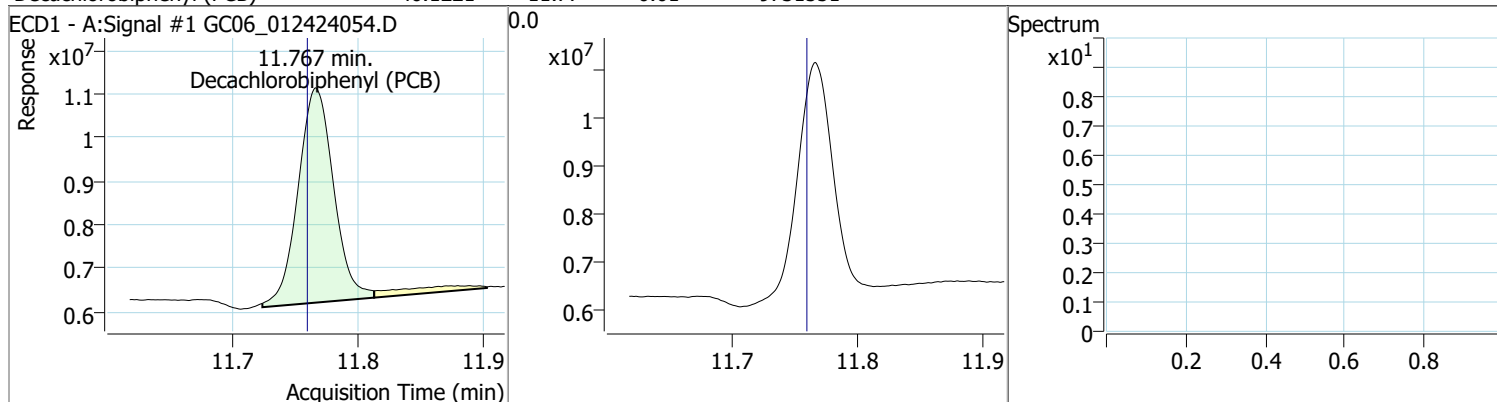
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	177.7953	10.81	0.00	6162335				



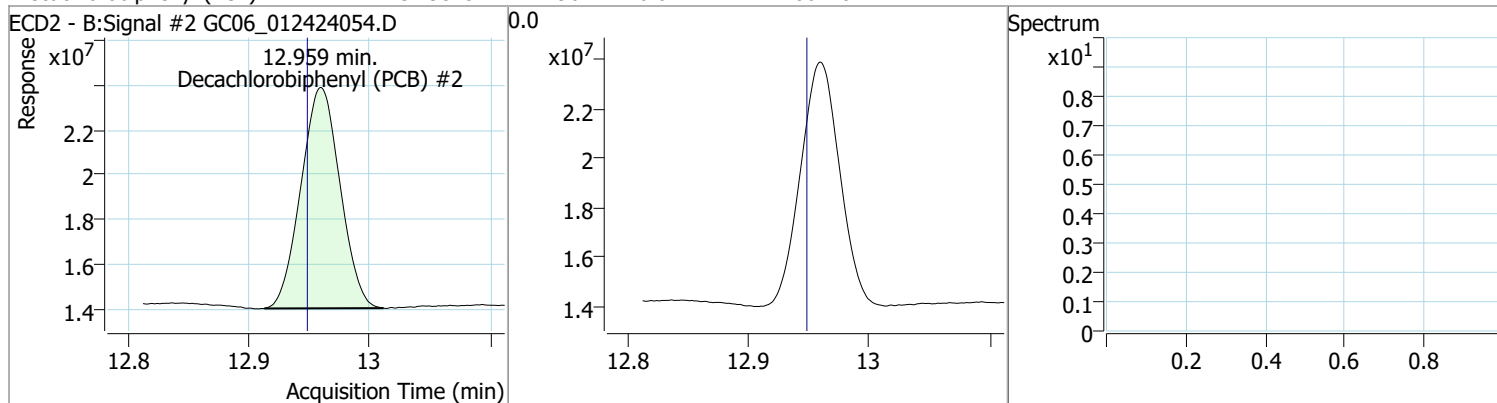
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	22.7229	11.51	0.05	1200444				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	46.1221	11.77	-0.01	9731551				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.9525	12.96	-0.01	22186248				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 500180-024	Client ID: 240118-P-FIELDBLANK1-LO
Seqnum: 454035180055	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_012424055	Batch: 330971	Time: 25-JAN-2024 02:31
Cal: 454035180003	Caldate: 24-JAN-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	22.32	ND	0.67	100%	0.50		u
Aroclor-1016 Peak # 1	B	70.11	0.70	1.25	56%			
Aroclor-1016 Peak # 2	B	6.615	0.07	0.14	69%			
Aroclor-1016 Peak # 3	B	18.91	0.19	1.30	149%			
Aroclor-1016 Peak # 4	B	0.6282	0.01	0.55	196%			
Aroclor-1016 Peak # 5	B	15.33	0.15	0.09	53%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	44.45	ND	1.2	89%	0.50		u
Aroclor-1260 Peak # 1	B	10.37	0.10	3.32	188%			
Aroclor-1260 Peak # 2	B	3.567	0.04	0.01	82%			
Aroclor-1260 Peak # 3	B	1.379	0.01	ND				
Aroclor-1260 Peak # 4	B	198.8	1.99	2.31	15%			
Aroclor-1260 Peak # 5	B	8.142	0.08	0.17	72%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.09	0.5000	0.3709	74	19-121	c+ u
Decachlorobiphenyl (PCB)	B	29.36	0.5000	0.2936	59	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	15681880	29.57
1-bromo-2-nitrobenzene (PCB)	A	2388025	2509547	5.09

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.09	-0.01

01/25/24 : WIPE/1S-10ML

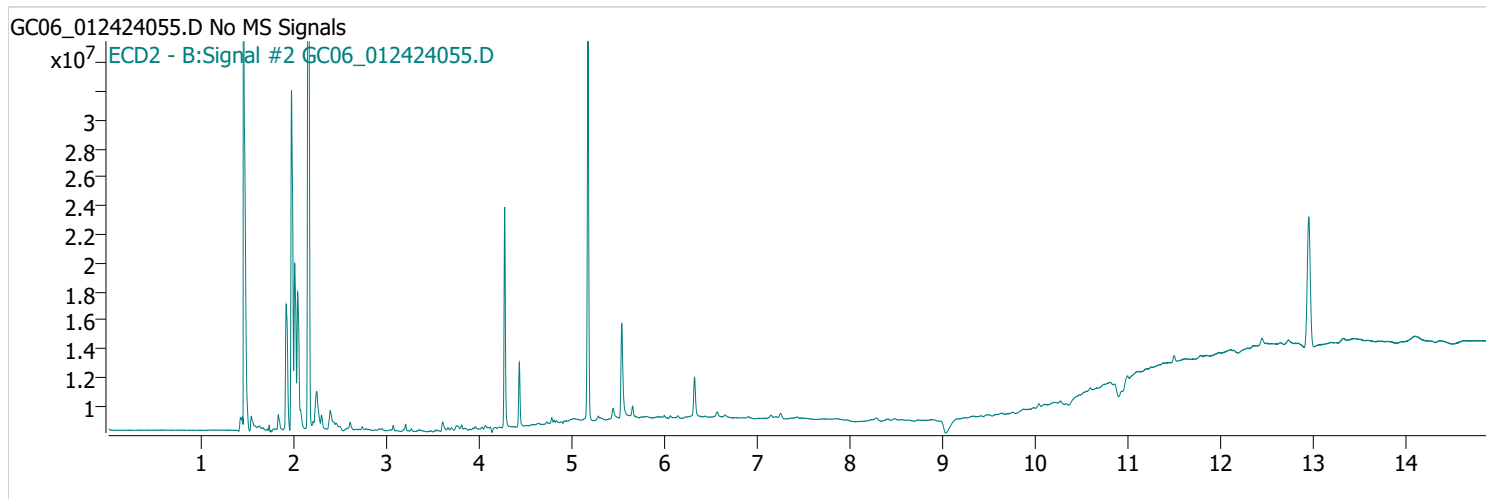
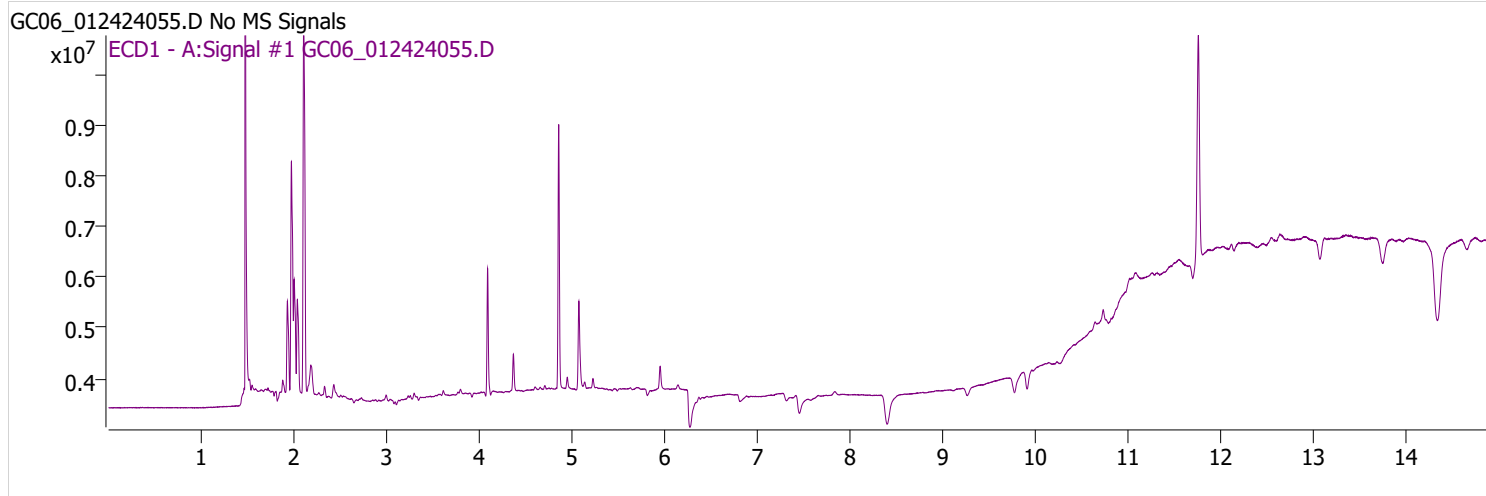
+ = high bias c = CCV u = use

Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_012424055.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/25/2024 2:31:39 AM
Sample Name	500180-024, 330971, 1	Instrument	SVOA-GC06
Vial	45	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	2509547.28 7	20.0000	ng/ml	-0.006
M 1-bromo-2-nitrobenzene (PCB) #2	4.277	0.0	15681880.4 94	20.0000	ng/ml	-0.007
System Monitoring Compounds						
S TCMX (PCB)	4.860	0.0	5292142.68 9	45.7779	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 228.89%	*	
S TCMX (PCB) #2	5.177	0.0	28679588.8 15	37.0859	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.43%	*	
S Decachlorobiphenyl (PCB)	11.768	0.0	9262275.70 5	49.3305	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 246.65%	*	
S Decachlorobiphenyl (PCB) #2	12.960	0.0	20499326.3 63	29.3632	ng/ml	-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.82%		

Target Compounds

QValue

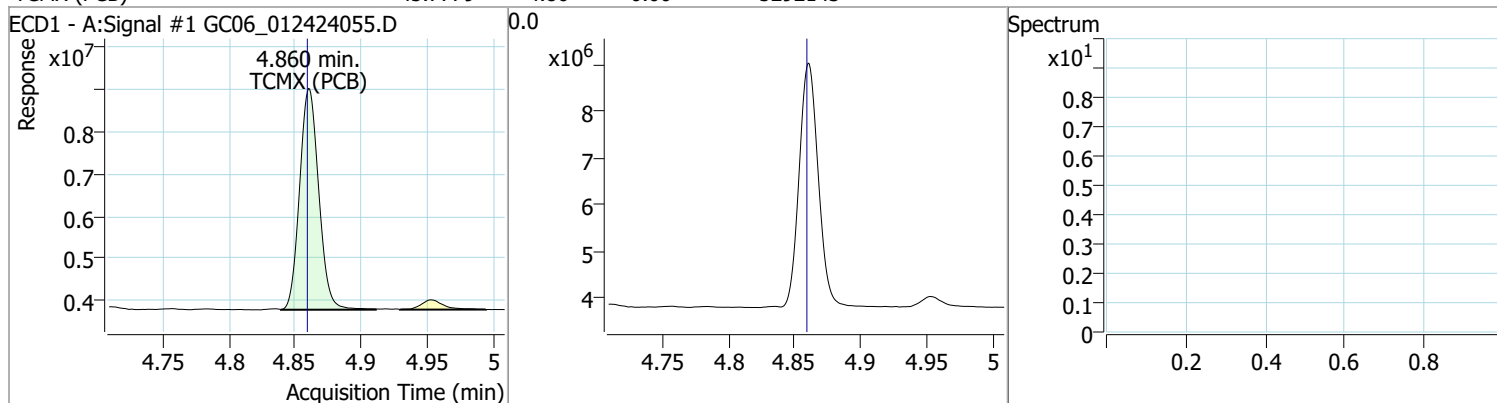
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.230	0.0	322892.375	125.2736	ng/ml	100
T AR1016 2	5.525	0.0	69831.466	13.5379	ng/ml	100
T AR1016 1 #2	5.658	0.0	1370562.28 2	70.1141	ng/ml	100
T AR1016 3	5.956	0.0	878537.953	130.1668	ng/ml	100
T AR1016 2 #2	6.068	0.0	217081.467	6.6152	ng/ml	100
T AR1016 4	6.148	0.0	274413.367	55.2992	ng/ml	100
T AR1016 5	6.465	0.0	37067.038	8.9080	ng/ml	100
T AR1016 3 #2	6.572	0.0	837672.312	18.9120	ng/ml	100
T AR1016 4 #2	6.780	0.0	19039.018	0.6282	ng/ml	100
T AR1016 5 #2	7.433	0.0	419316.420	15.3268	ng/ml	100
T AR1260 1	8.214	0.0	2946219.21 1	332.2281	ng/ml	100
T AR1260 2	8.795	0.0	20019.511	1.4968	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.643	0.0	438034.821	10.3664	ng/ml	100
T AR1260 4	9.883	0.0	1846460.76 8	231.0927	ng/ml	100
T AR1260 2 #2	9.943	0.0	174261.409	3.5673	ng/ml	100
T AR1260 3 #2	10.343	0.0	82820.161	1.3791	ng/ml	100
T AR1260 5	10.653	0.0	167851.479	17.3060	ng/ml	100
T AR1260 4 #2	10.809	0.0	6927343.27 0	198.7853	ng/ml	100
T AR1260 5 #2	11.423	0.0	432465.118	8.1417	ng/ml	100

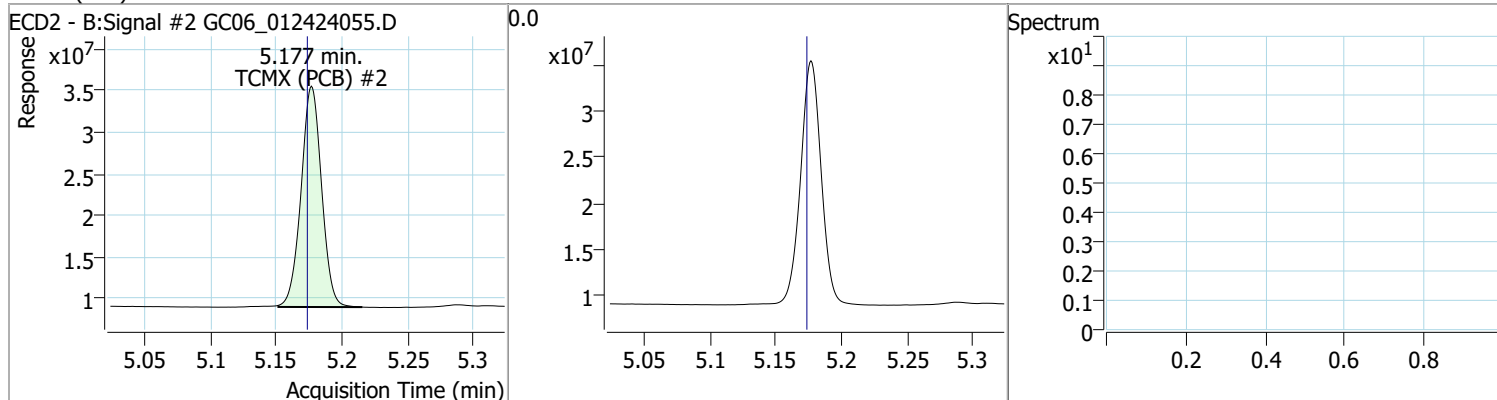
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

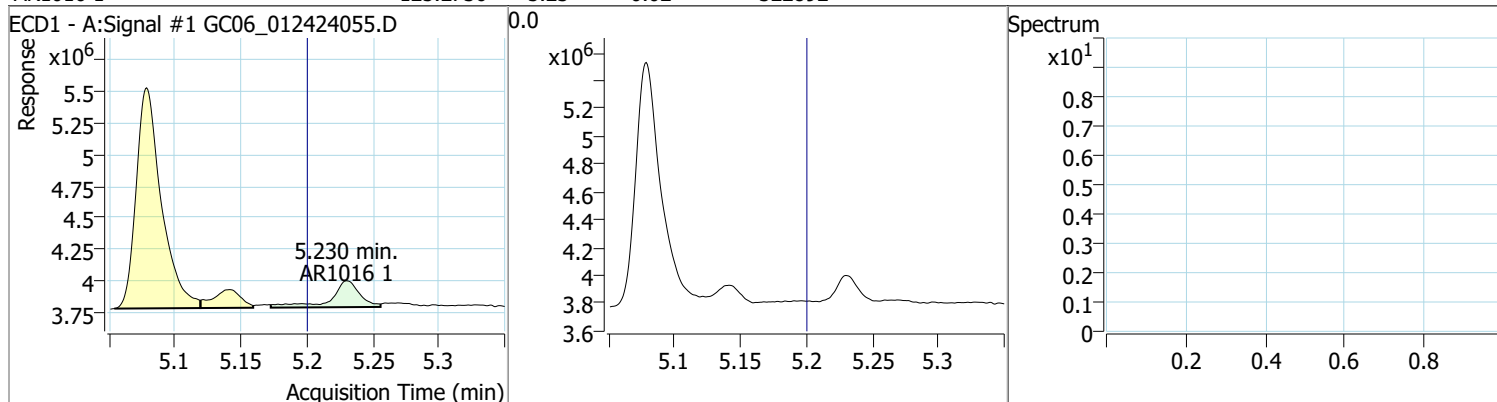
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.7779	4.86	0.00	5292143				



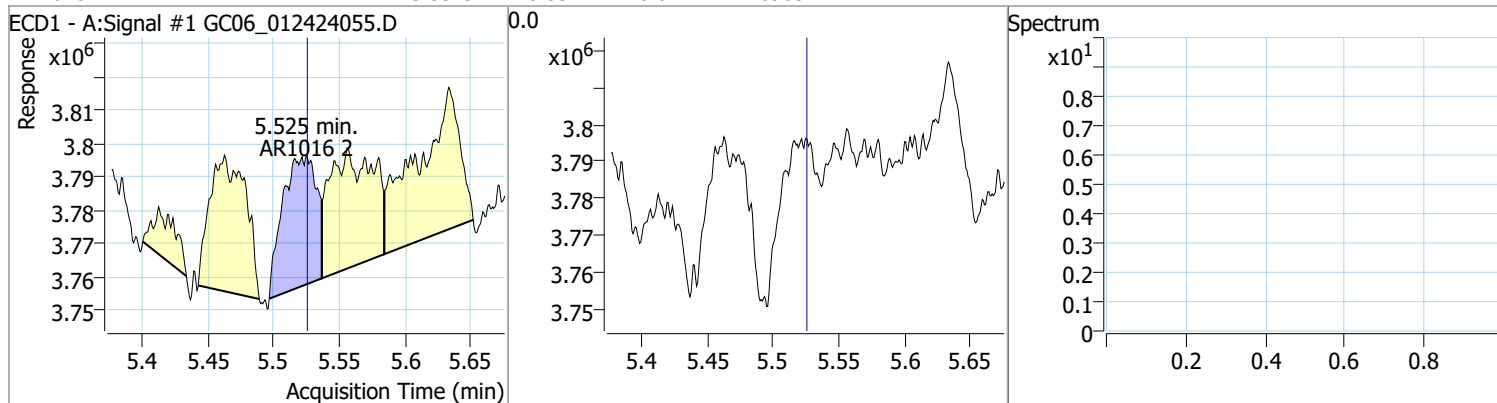
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.0859	5.18	0.00	28679589				



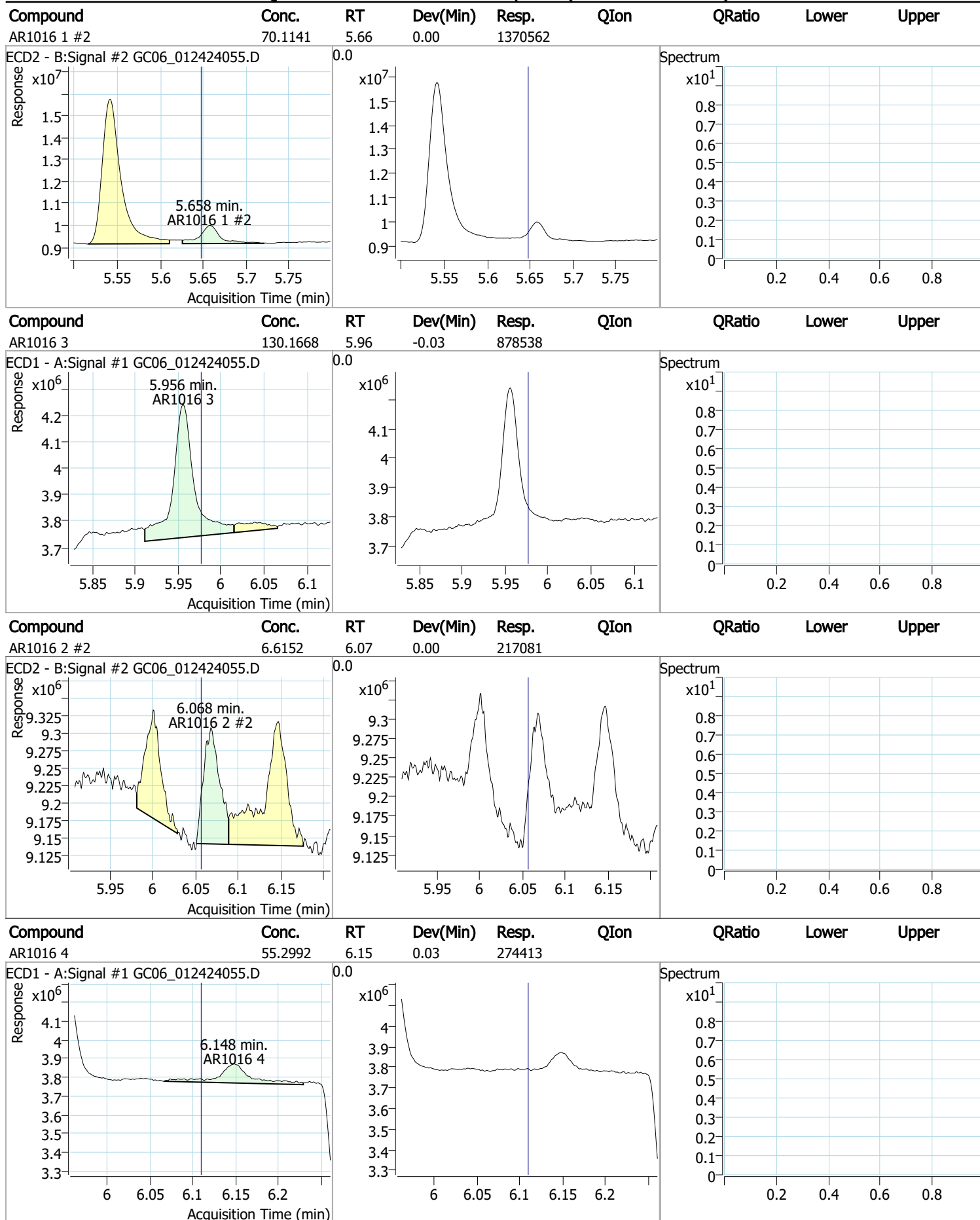
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	125.2736	5.23	0.02	322892				



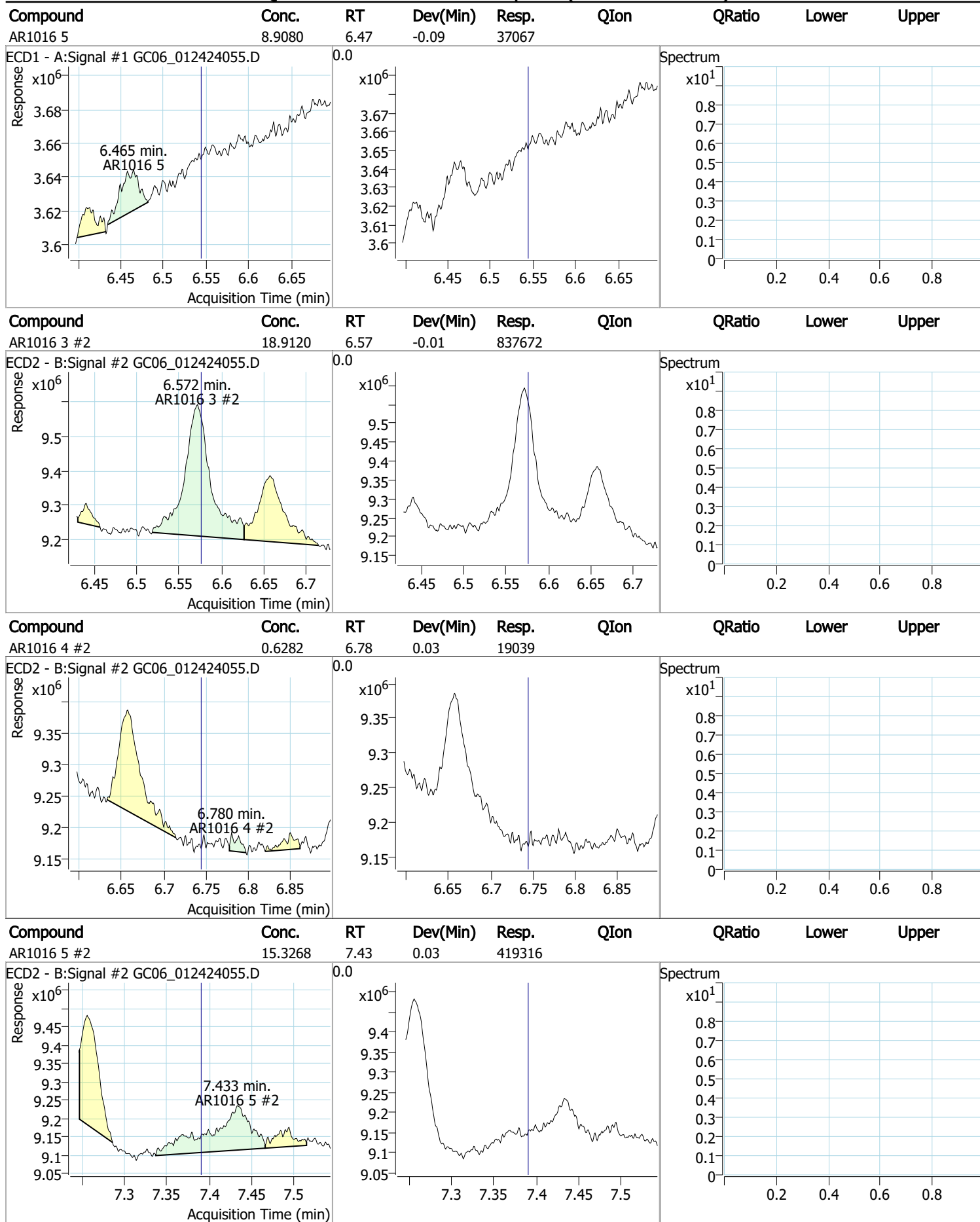
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	13.5379	5.53	-0.01	69831				



Quantitation Results Report (Not Reviewed)



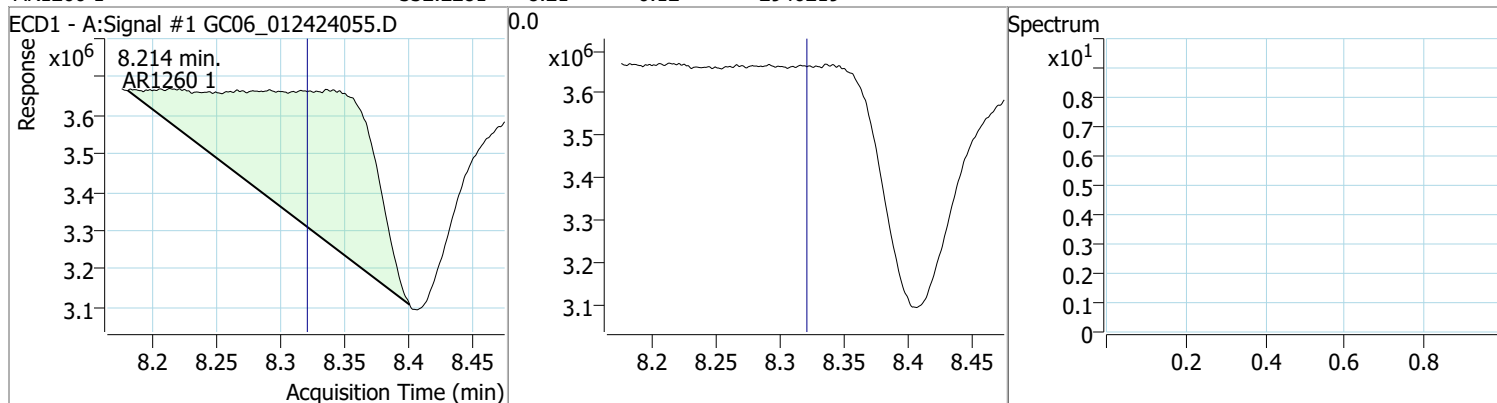
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

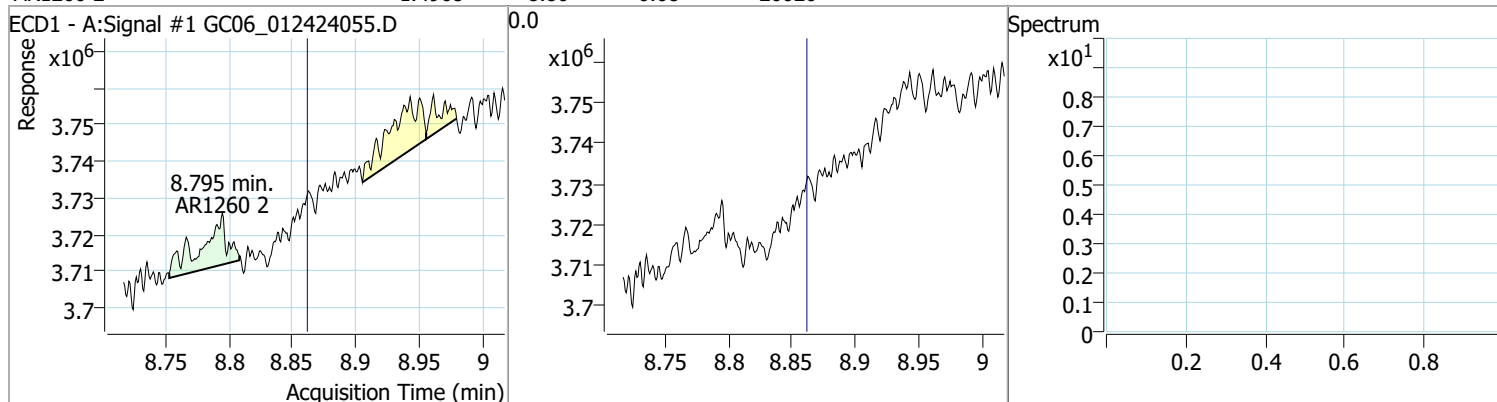
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 1 332.2281 8.21 -0.12 2946219



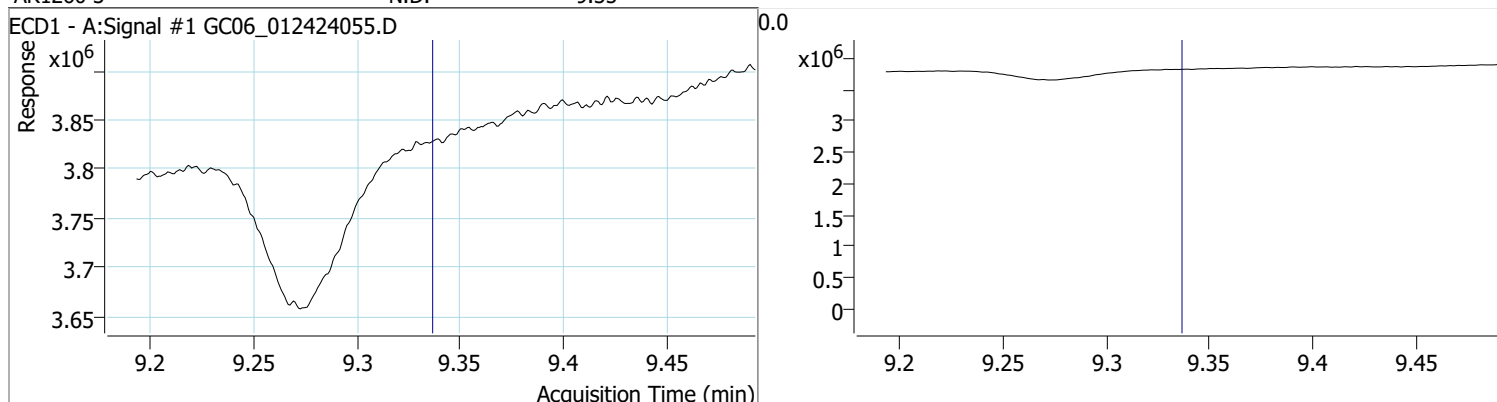
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 1.4968 8.80 -0.08 20020



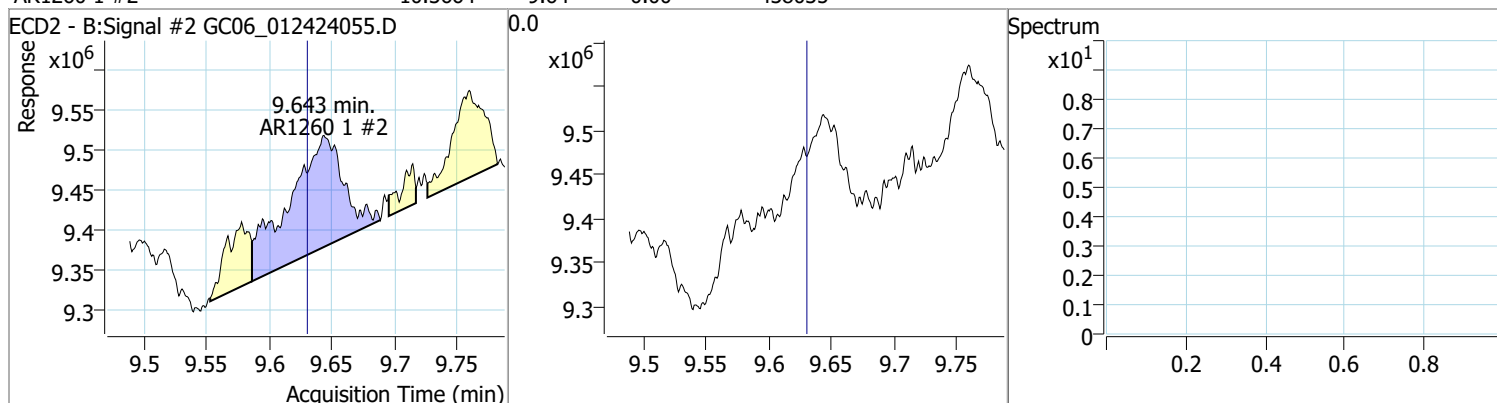
Compound	Conc.	Exp RT	QIon	Exp Ratio
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AR1260 3 N.D. 9.35

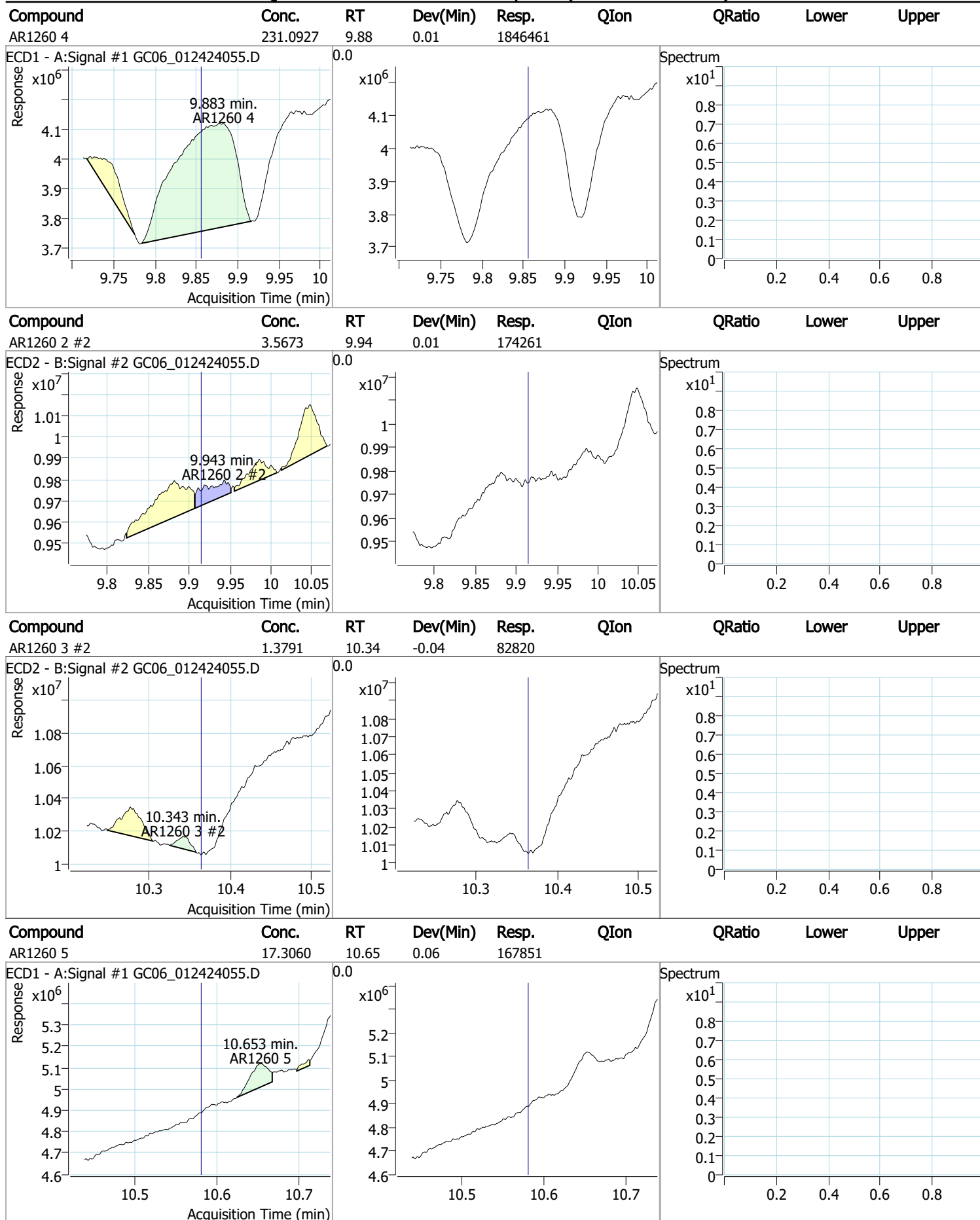


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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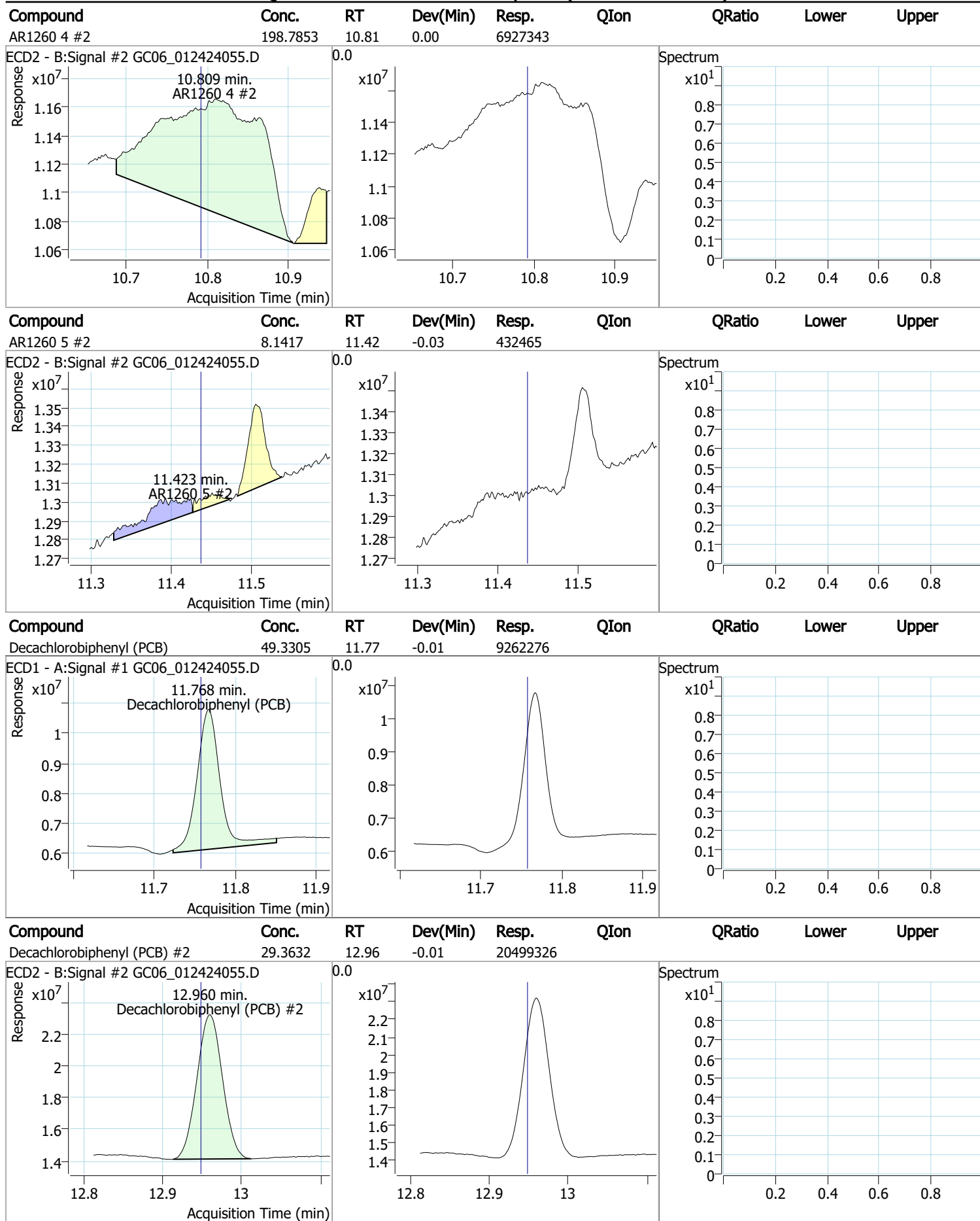
AR1260 1 #2 10.3664 9.64 0.00 438035



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 500180 PCBS Wipe

EPA 8082

Inst: SVOA-GC06	Lab ID: QC1121649	
Seqnum: 454035180041.1	Matrix: Wipe	
File: gc06_012424041	Batch: 330971	Time: 24-JAN-2024 21:49
Cal: 454035180003	Caldate: 24-JAN-2024	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

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

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	24.40	ND	0.67	93%	0.50	u
Aroclor-1016 Peak # 1	B	87.93	0.88	2.64	100%		
Aroclor-1016 Peak # 2	B	8.131	0.08	0.45	139%		
Aroclor-1016 Peak # 3	B	15.51	0.16	0.17	11%		
Aroclor-1016 Peak # 4	B	1.936	0.02	0.04	67%		
Aroclor-1016 Peak # 5	B	8.488	0.08	0.05	50%		
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	3.484	ND	0.85	184%	0.50	u
Aroclor-1260 Peak # 1	B	5.934	0.06	2.34	190%		
Aroclor-1260 Peak # 2	B	1.046	0.01	0.00	160%		
Aroclor-1260 Peak # 3	B	0.4996	0.00	0.21	191%		
Aroclor-1260 Peak # 4	B	1.304	0.01	1.38	196%		
Aroclor-1260 Peak # 5	B	8.636	0.09	0.34	119%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.09	0.5000	0.3609	72	19-121	c+ u
Decachlorobiphenyl (PCB)	B	30.34	0.5000	0.3034	61	19-121	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	15382340	27.09
1-bromo-2-nitrobenzene (PCB)	A	2388025	2688368	12.58

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.10	0.00

01/25/24 : WIPE/1S-10ML [general version]

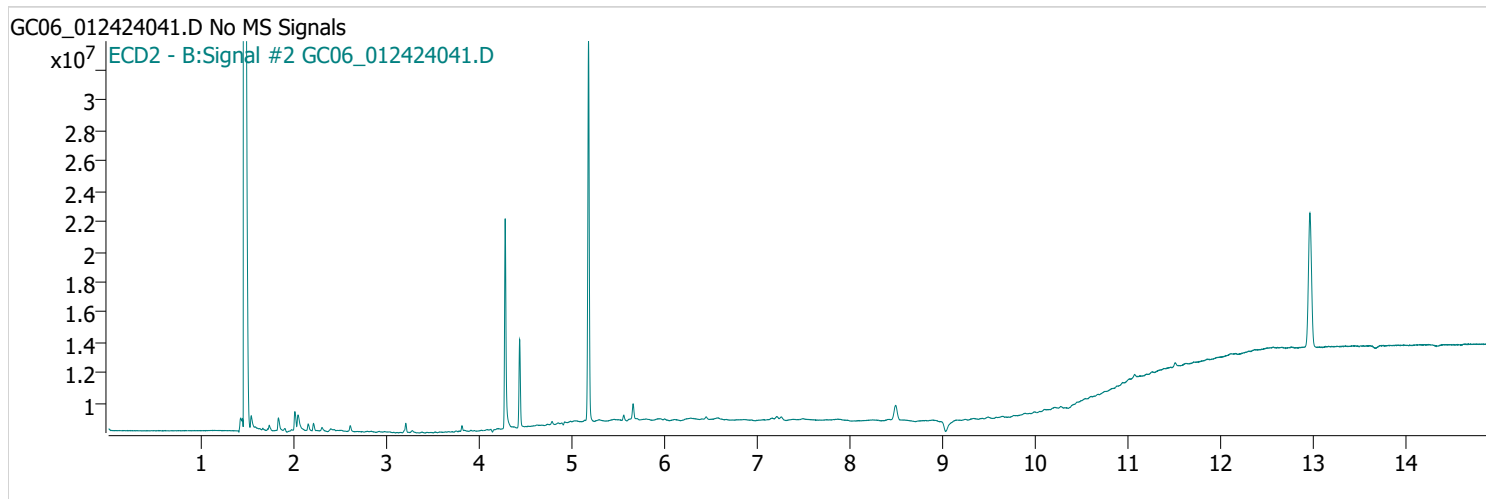
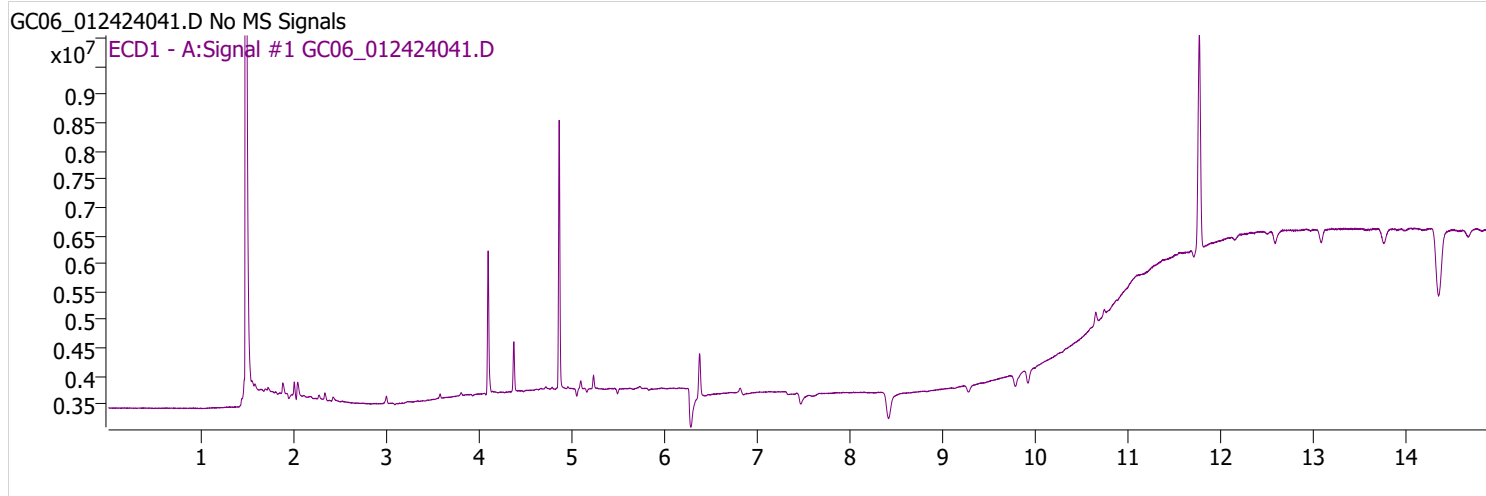
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Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_012424041.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 9:49:53 PM
Sample Name	QC1121649, 330971, 1	Instrument	SVOA-GC06
Vial	31	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.097	0.0	2688367.92 9	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.281	0.0	15382340.3 31	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.863	0.0	4821734.21 9	38.9344	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.67%	*	
S TCMX (PCB) #2	5.180	0.0	27373666.6 23	36.0865	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.43%	*	
S Decachlorobiphenyl (PCB)	11.772	0.0	7377370.72 4	36.6781	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.39%	*	
S Decachlorobiphenyl (PCB) #2	12.965	0.0	20779194.7 17	30.3436	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 151.72%	*	

Target Compounds

QValue

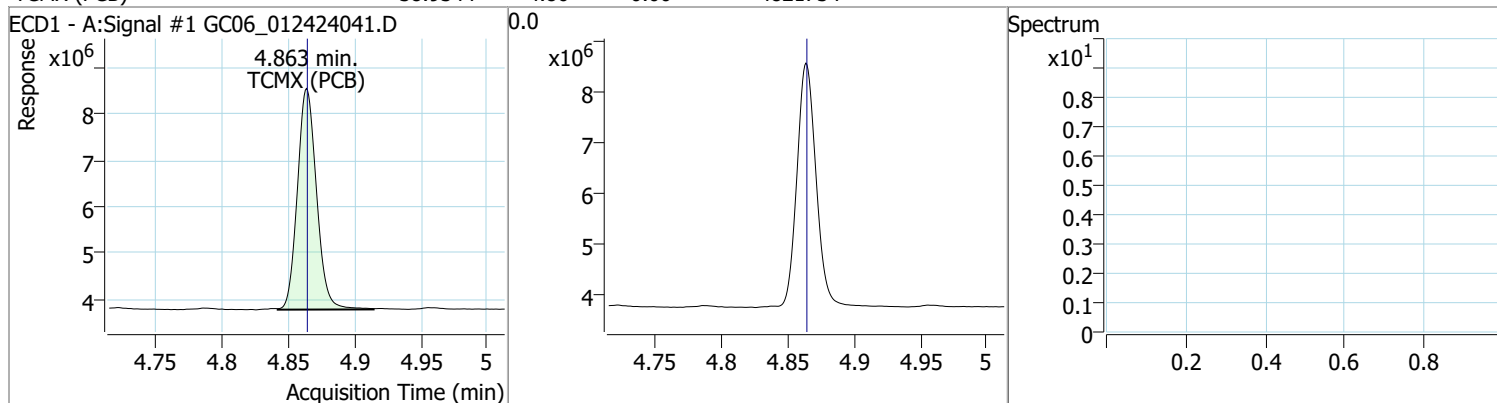
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.234	0.0	727859.797	263.6065	ng/ml	100
T AR1016 2	5.462	0.0	248099.950	44.8985	ng/ml	100
T AR1016 1 #2	5.661	0.0	1685972.229	87.9291	ng/ml	100
T AR1016 3	5.967	0.0	125824.367	17.4025	ng/ml	100
T AR1016 2 #2	6.112	0.0	261733.654	8.1312	ng/ml	100
T AR1016 4	6.102	0.0	20614.303	3.8778	ng/ml	100
T AR1016 5	6.533	0.0	22767.039	5.1075	ng/ml	100
T AR1016 3 #2	6.575	0.0	674047.769	15.5142	ng/ml	100
T AR1016 4 #2	6.800	0.0	57548.662	1.9358	ng/ml	100
T AR1016 5 #2	7.390	0.0	227777.790	8.4878	ng/ml	100
T AR1260 1	8.306	0.0	2220079.191	233.6934	ng/ml	100
T AR1260 2	8.828	0.0	1645.918	0.1149	ng/ml	100
T AR1260 3	9.435	0.0	333096.583	21.4013	ng/ml	100
T AR1260 1 #2	9.652	0.0	245964.812	5.9343	ng/ml	100
T AR1260 4	9.885	0.0	1185140.406	138.4595	ng/ml	100
T AR1260 2 #2	9.942	0.0	50123.447	1.0460	ng/ml	100
T AR1260 3 #2	10.343	0.0	29432.542	0.4996	ng/ml	100
T AR1260 5	10.654	0.0	350957.832	33.7780	ng/ml	100
T AR1260 4 #2	10.682	0.0	44583.267	1.3043	ng/ml	100
T AR1260 5 #2	11.509	0.0	449972.389	8.6363	ng/ml	100

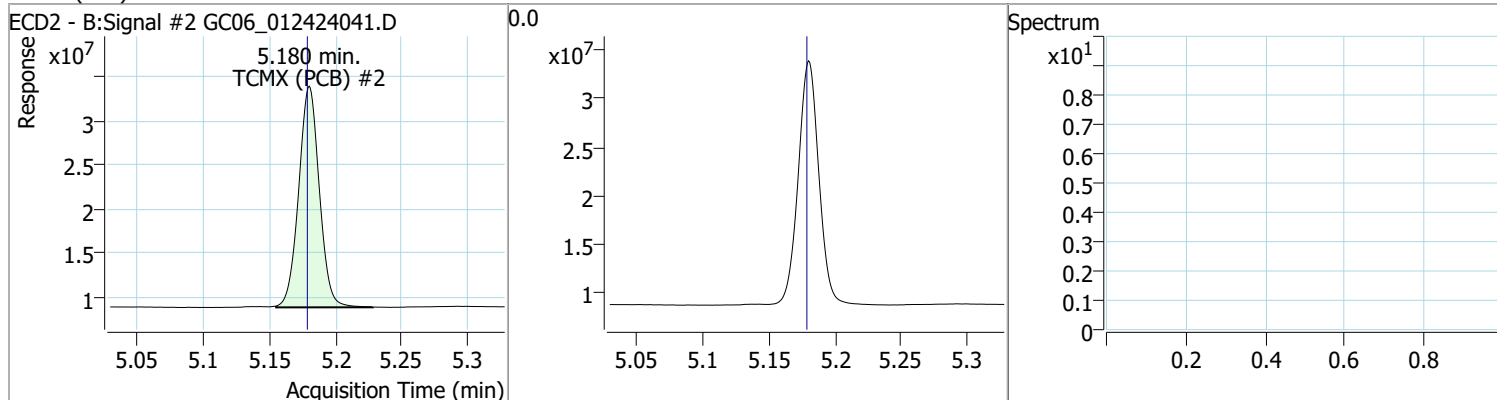
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

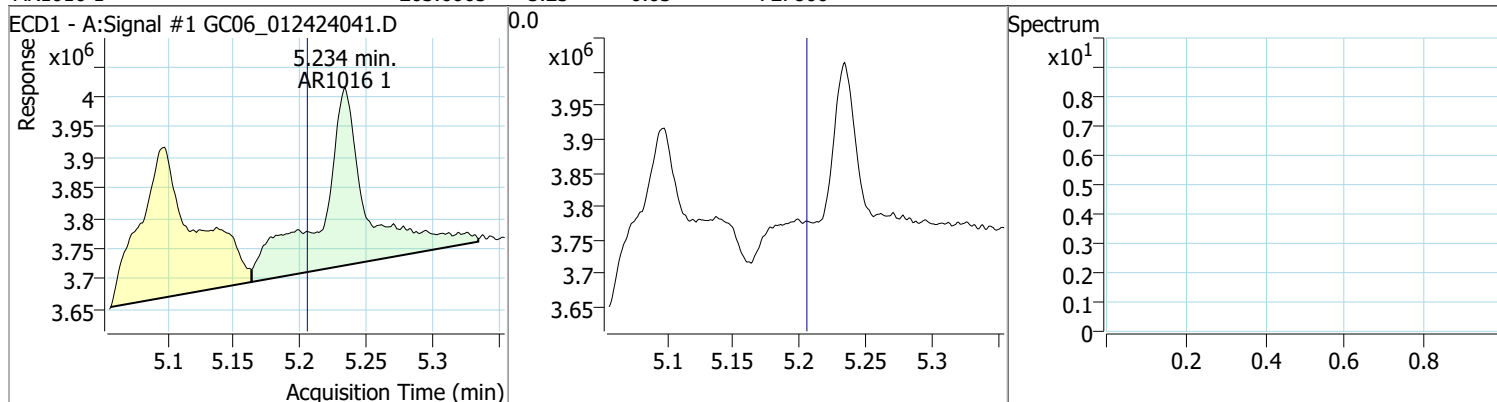
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.9344	4.86	0.00	4821734				



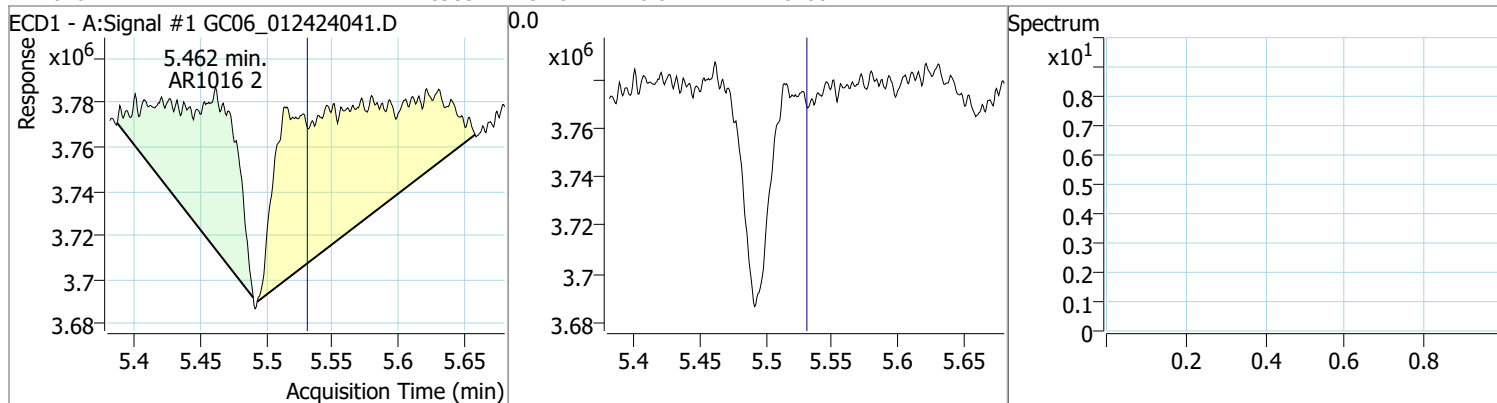
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.0865	5.18	0.00	27373667				



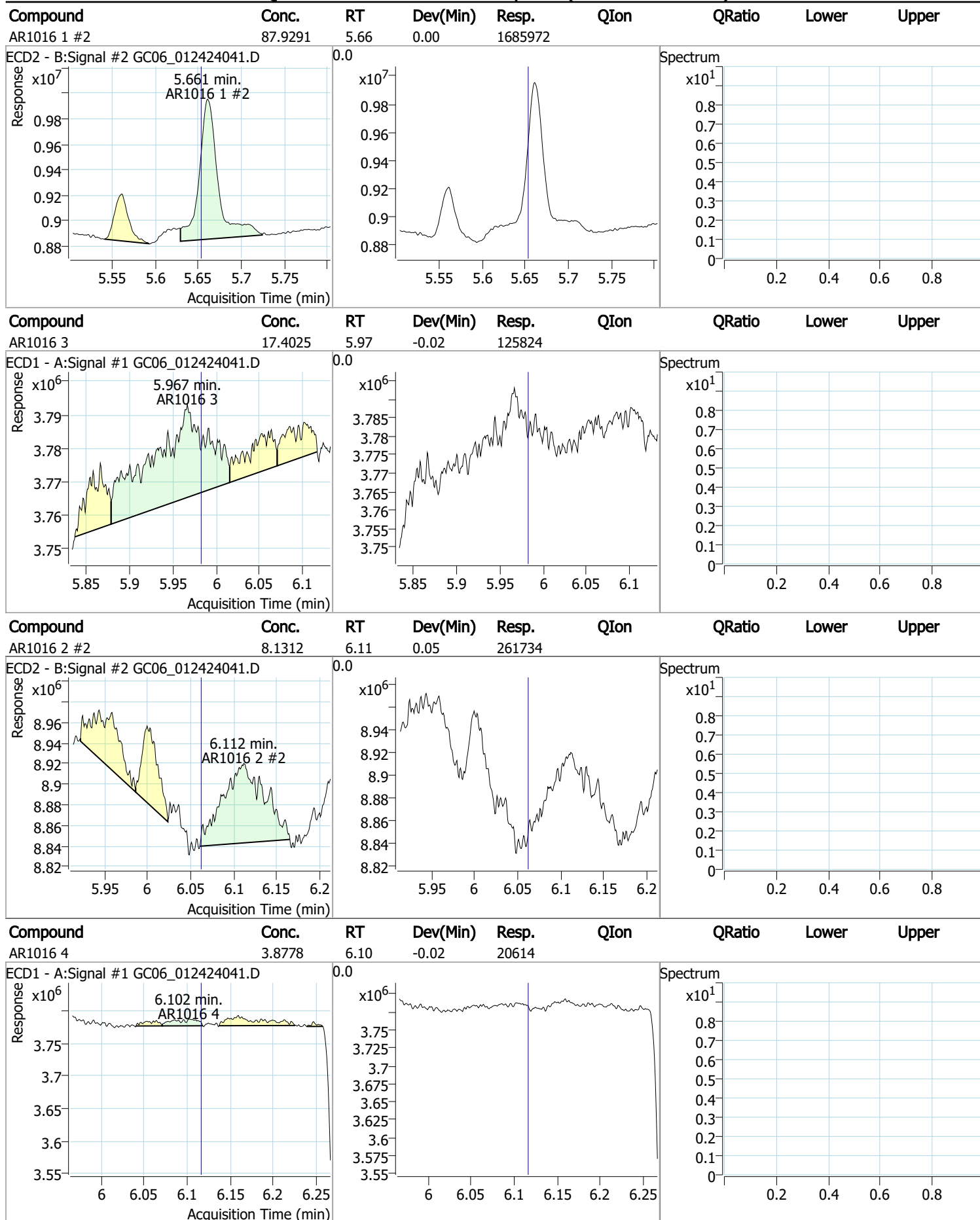
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	263.6065	5.23	0.03	727860				



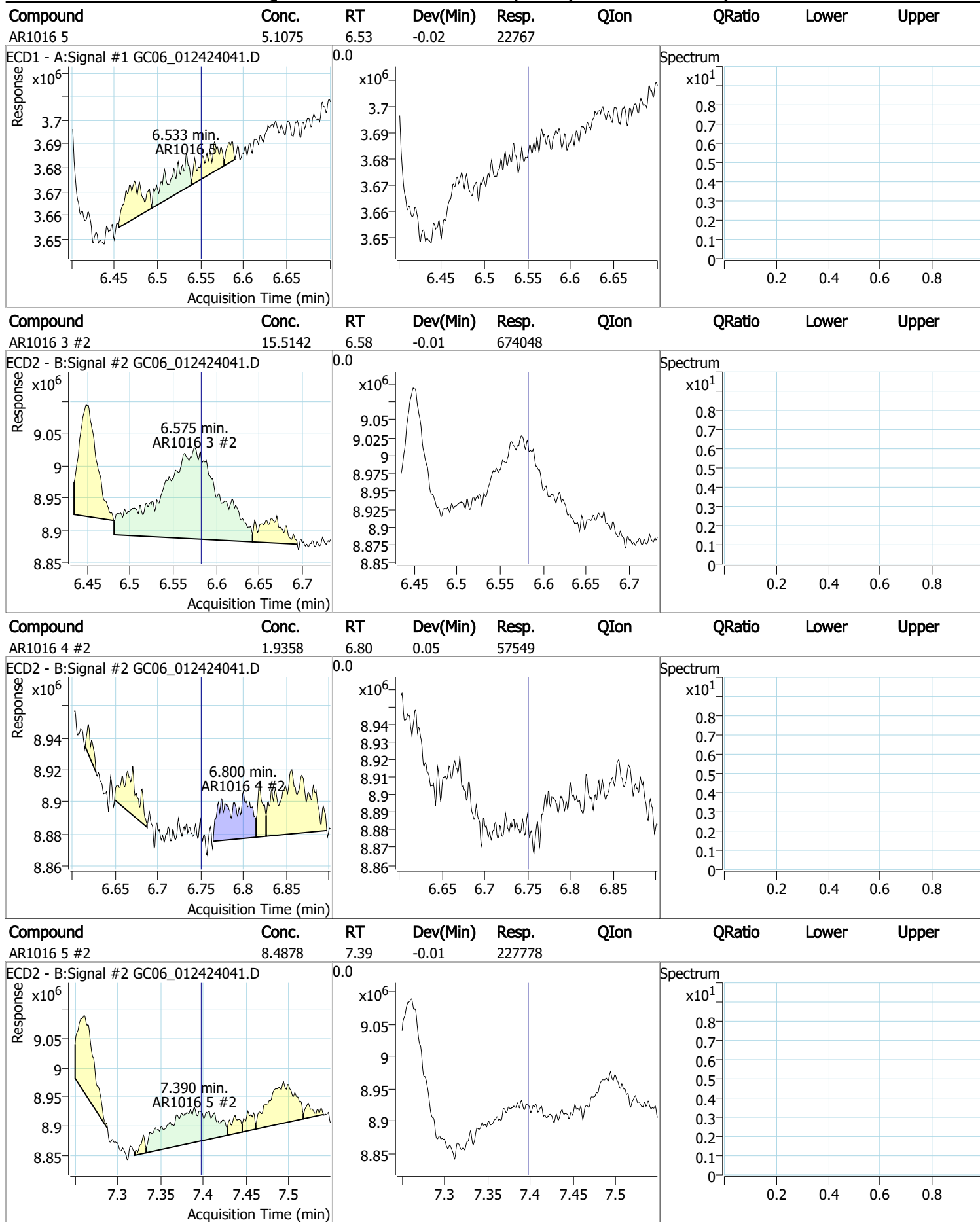
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	44.8985	5.46	-0.07	248100				



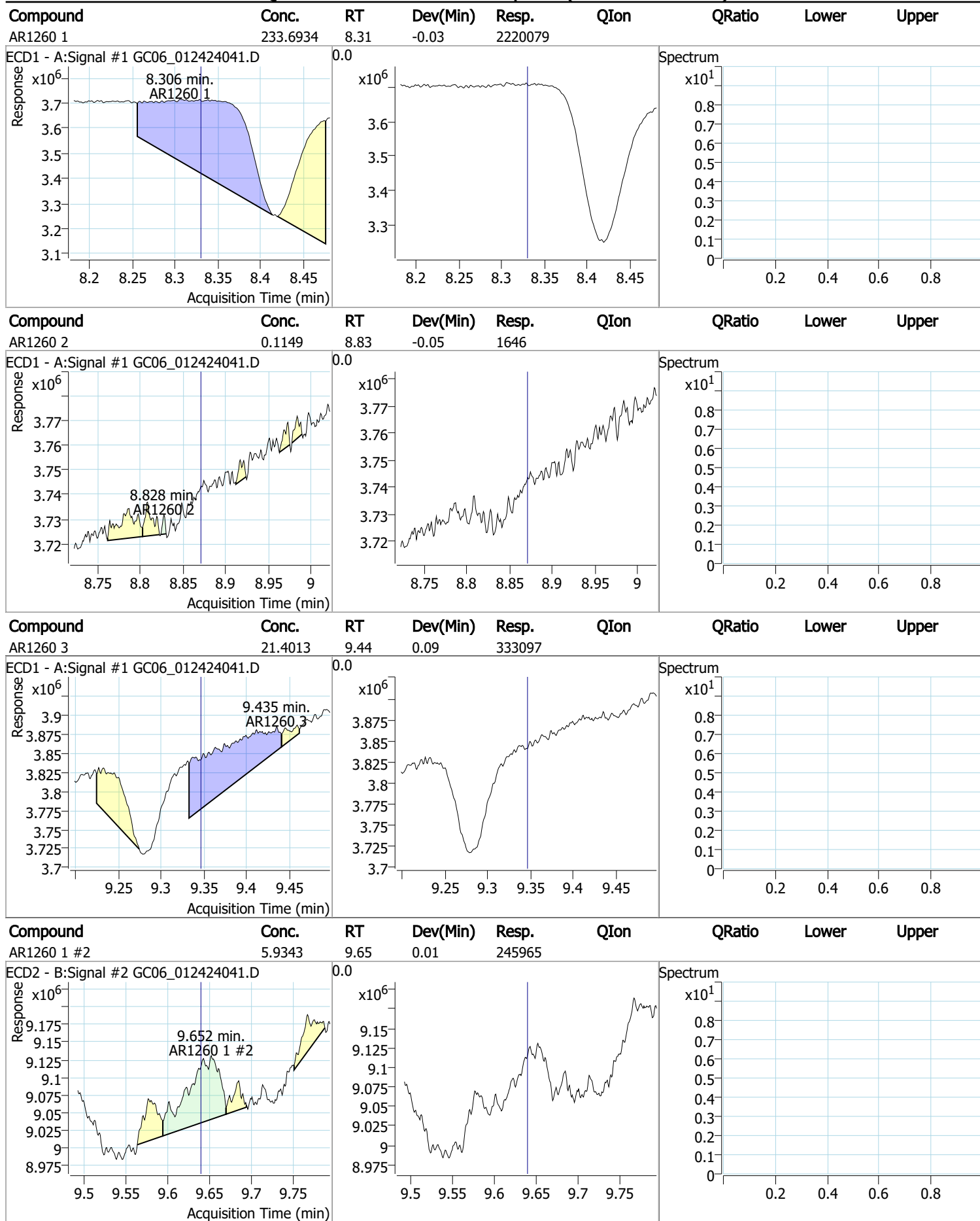
Quantitation Results Report (Not Reviewed)



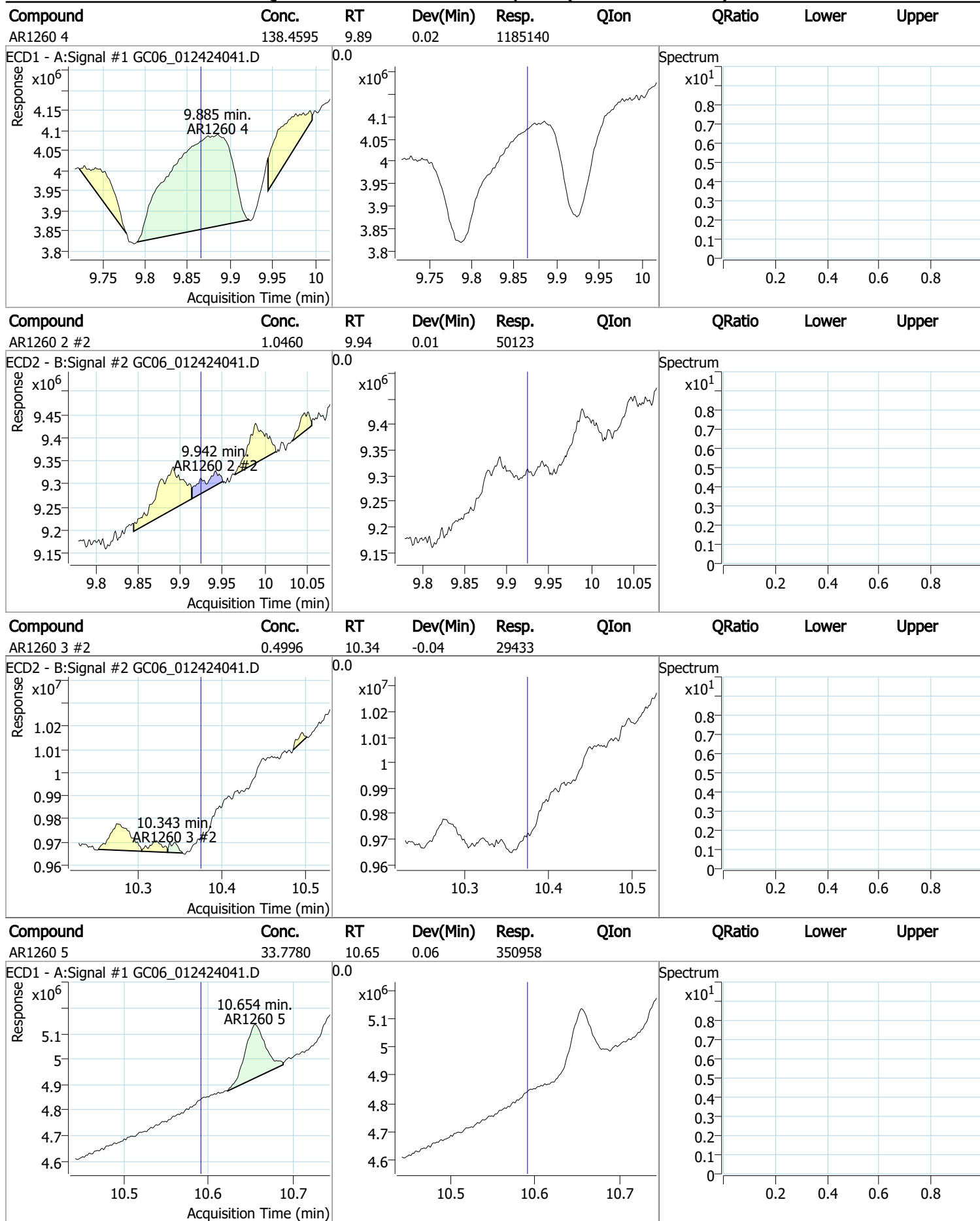
Quantitation Results Report (Not Reviewed)



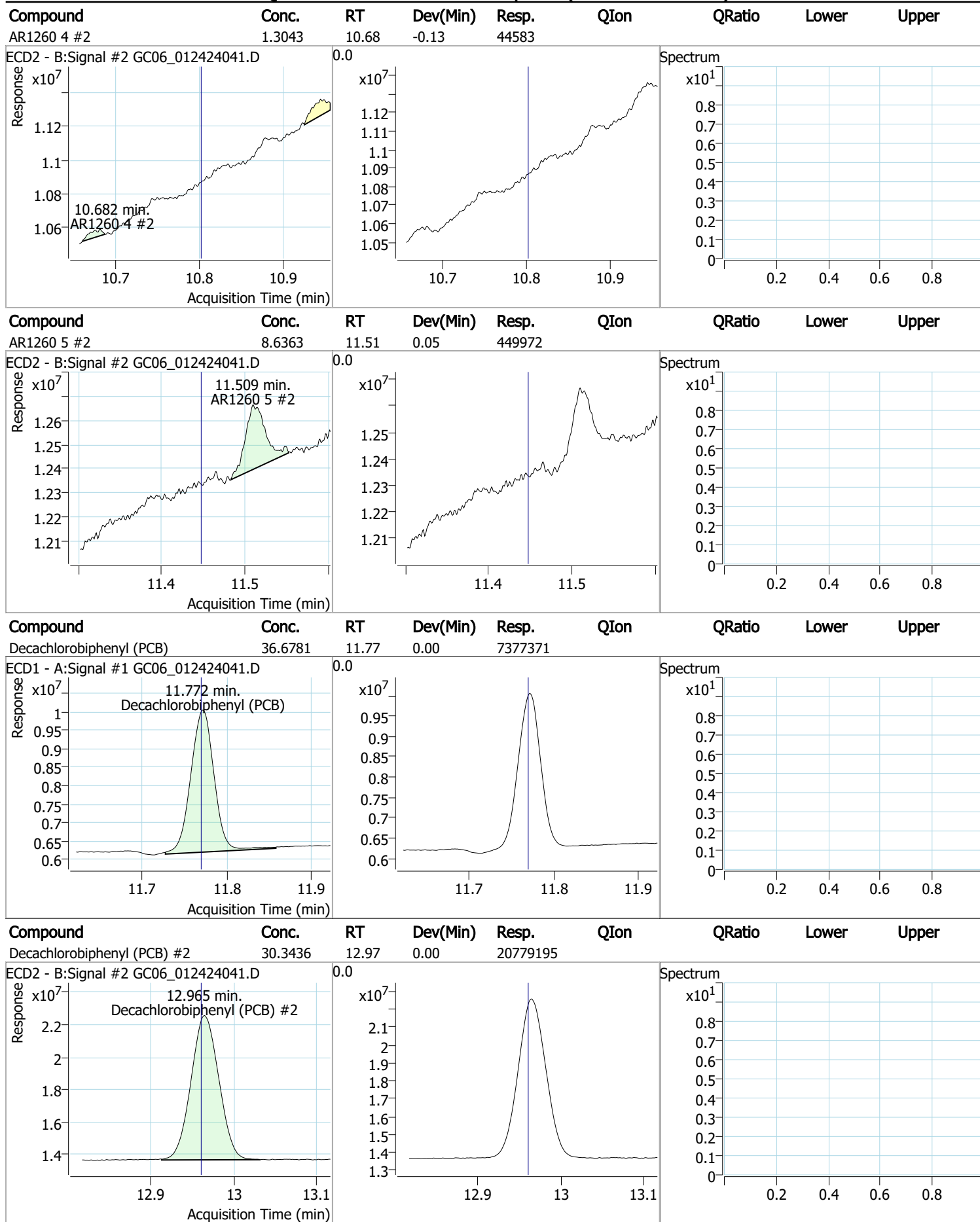
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SPIKE USER REPORT FOR 500180 PCBS Wipe
EPA 8082

Type: BS	Type: BSD
Inst: SVOA-GC06	Inst: SVOA-GC06
Seqnum: 454035180042.1	Seqnum: 454035180043.1
File: gc06_012424042	File: gc06_012424043
IDF: 1.0	IDF: 1.0
Lab ID: QC1121650	Lab ID: QC1121651
Matrix: Wipe	Matrix: Wipe
Batch: 330971	Batch: 330971
Time: 24-JAN-2024 22:09	Time: 24-JAN-2024 22:30
Cal: 454035180003	Cal: 454035180003
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	357.1	3.571	B	71	339.8	3.398	B	68	60-140	5	20	u
Aroclor-1016 Peak # 1		314.5	3.145	B		301.0	3.010	B					
Aroclor-1016 Peak # 2		374.5	3.745	B		356.5	3.565	B					
Aroclor-1016 Peak # 3		369.2	3.692	B		351.2	3.512	B					
Aroclor-1016 Peak # 4		373.1	3.731	B		354.7	3.547	B					
Aroclor-1016 Peak # 5		354.3	3.543	B		335.4	3.354	B					
Aroclor-1260	5.000	335.8	3.358	B	67	327.2	3.272	B	65	60-140	3	20	u
Aroclor-1260 Peak # 1		360.2	3.602	B		345.3	3.453	B					
Aroclor-1260 Peak # 2		350.9	3.509	B		336.9	3.369	B					
Aroclor-1260 Peak # 3		337.2	3.372	B		324.2	3.242	B					
Aroclor-1260 Peak # 4		334.1	3.341	B		342.4	3.424	B					
Aroclor-1260 Peak # 5		296.6	2.966	B		287.4	2.874	B					
Surrogates													
TCMX (PCB)	0.5000	34.25	0.3425	B	69	32.88	0.3288	B	66	19-121			c+ u
Decachlorobiphenyl (PCB)	0.5000	29.59	0.2959	B	59	28.90	0.2890	B	58	19-121			c+ u

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	17790308	46.99
1-bromo-2-nitrobenzene (PCB)	A	2388025	3209035	34.38

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.10	0.00

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	12103468	17124950	41.49
1-bromo-2-nitrobenzene (PCB)	A	2388025	3010801	26.08

ISTD (ICV/CCV gc06_012424032)	Ch	ICV/CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.10	4.10	0.00

01/25/24 : WIPE/1S-10ML [general version]

TRN 01/25/24 [Aroclor-1260 Peak # 1 A]: Corrected baseline noise or negative peak for Ch. A for spike & dup. [general version]

TRN 01/25/24 [Aroclor-1016 Peak # 4 A]: Corrected baseline noise or negative peak for Ch. A for spike & dup. [general version]

+ = high bias c = CCV u = use

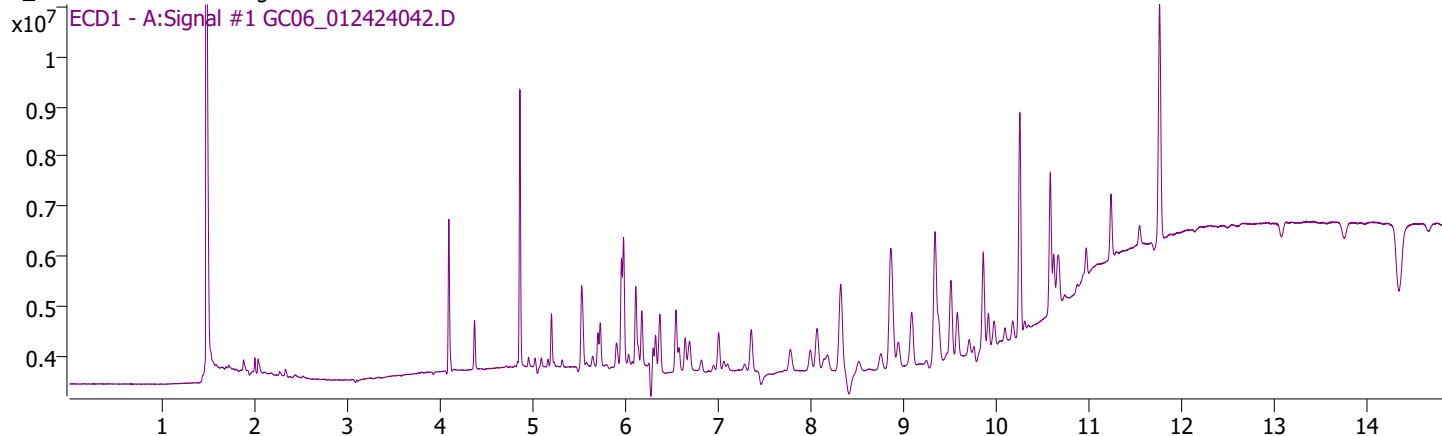
Analyst: TRN 01/25/24

Reviewer: MTS 01/26/24

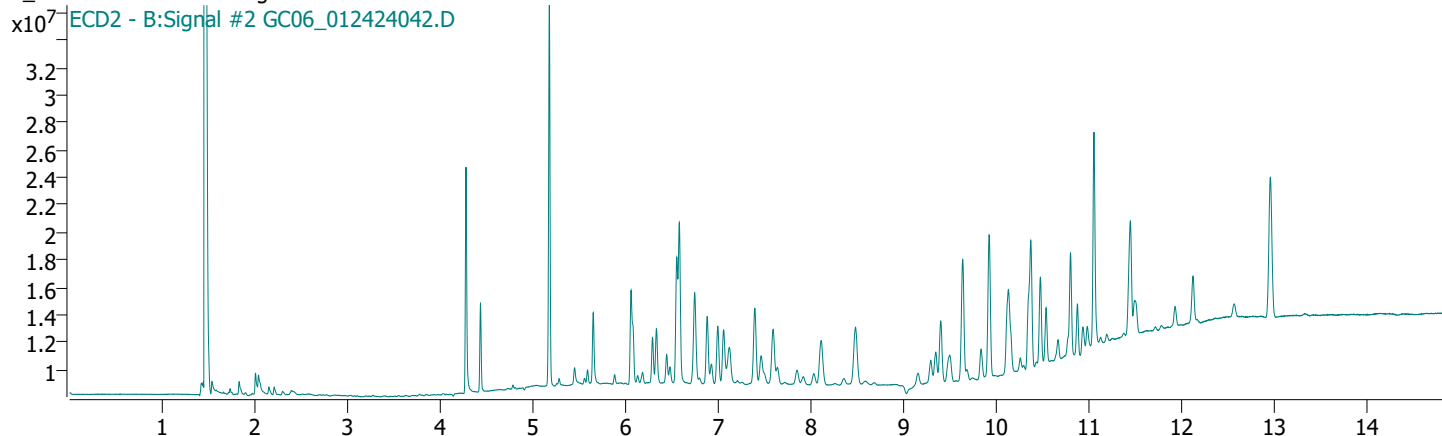
Quantitation Results Report (Not Reviewed)

Data File	GC06_012424042.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 10:09:53 PM
Sample Name	QC1121650, 330971, 1	Instrument	SVOA-GC06
Vial	32	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			

GC06_012424042.D No MS Signals



GC06_012424042.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.095	0.0	3209035.40 2	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.280	0.0	17790307.5 53	20.0000	ng/ml	-0.004
System Monitoring Compounds						
S TCMX (PCB)	4.862	0.0	5477921.68 5	37.0562	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.28%	*	
S TCMX (PCB) #2	5.179	0.0	30048086.7 58	34.2506	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.25%	*	
S Decachlorobiphenyl (PCB)	11.767	0.0	9096870.89 3	37.8888	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.44%	*	
S Decachlorobiphenyl (PCB) #2	12.962	0.0	23434373.9 07	29.5891	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.95%		

Target Compounds

QValue

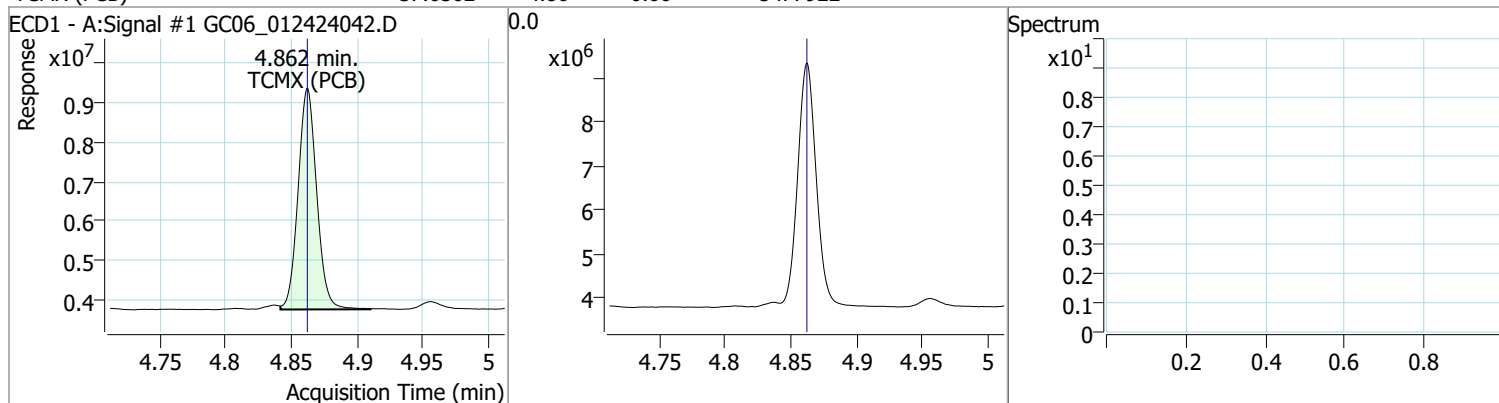
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.202	0.0	1602199.12 3	486.1151	ng/ml	100
T AR1016 2	5.529	0.0	2998369.40 6	454.5741	ng/ml	100
T AR1016 1 #2	5.653	0.0	6973534.26 5	314.4663	ng/ml	100
T AR1016 3	5.980	0.0	3529772.30 4	408.9848	ng/ml	100
T AR1016 2 #2	6.062	0.0	13940352.6 98	374.4613	ng/ml	100
T AR1016 4	6.113	0.0	2535452.34 4	399.5672	ng/ml	100
T AR1016 5	6.547	0.0	1950659.77 8	366.6038	ng/ml	100
T AR1016 3 #2	6.583	0.0	18549245.2 95	369.1503	ng/ml	100
T AR1016 4 #2	6.748	0.0	12826743.3 09	373.0597	ng/ml	100
T AR1016 5 #2	7.398	0.0	10995184.9 90	354.2645	ng/ml	100
T AR1260 1	8.324	0.0	7387632.25 5	651.4746	ng/ml m	100
T AR1260 2	8.866	0.0	6879562.21 7	402.2335	ng/ml	100
T AR1260 3	9.344	0.0	7622481.37 7	410.2796	ng/ml	100
T AR1260 1 #2	9.642	0.0	17266201.9 99	360.1877	ng/ml	100
T AR1260 4	9.863	0.0	4298530.16 9	420.7140	ng/ml m	100
T AR1260 2 #2	9.927	0.0	19446861.4 22	350.9131	ng/ml	100
T AR1260 3 #2	10.377	0.0	22971225.9 19	337.1674	ng/ml	100
T AR1260 5	10.587	0.0	4508360.76 4	363.5066	ng/ml	100
T AR1260 4 #2	10.805	0.0	13206657.8 39	334.0606	ng/ml	100
T AR1260 5 #2	11.451	0.0	17872591.1 53	296.5974	ng/ml	100

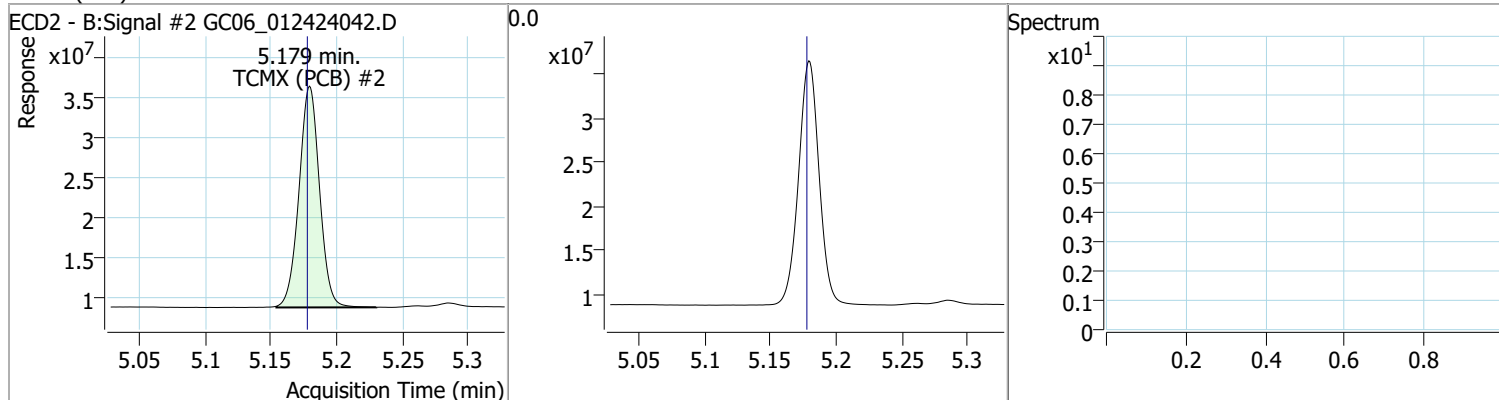
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

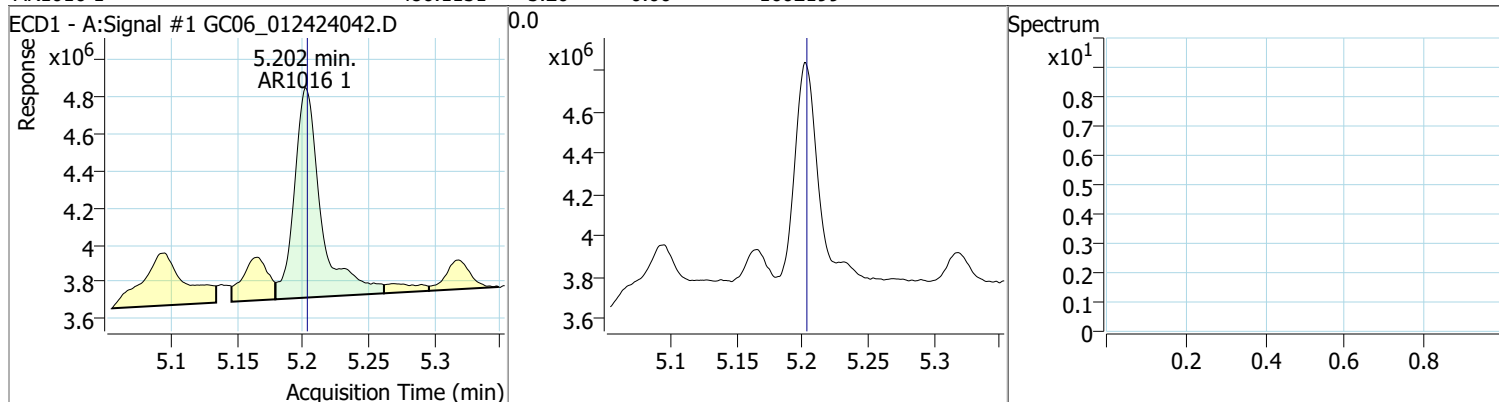
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.0562	4.86	0.00	5477922				



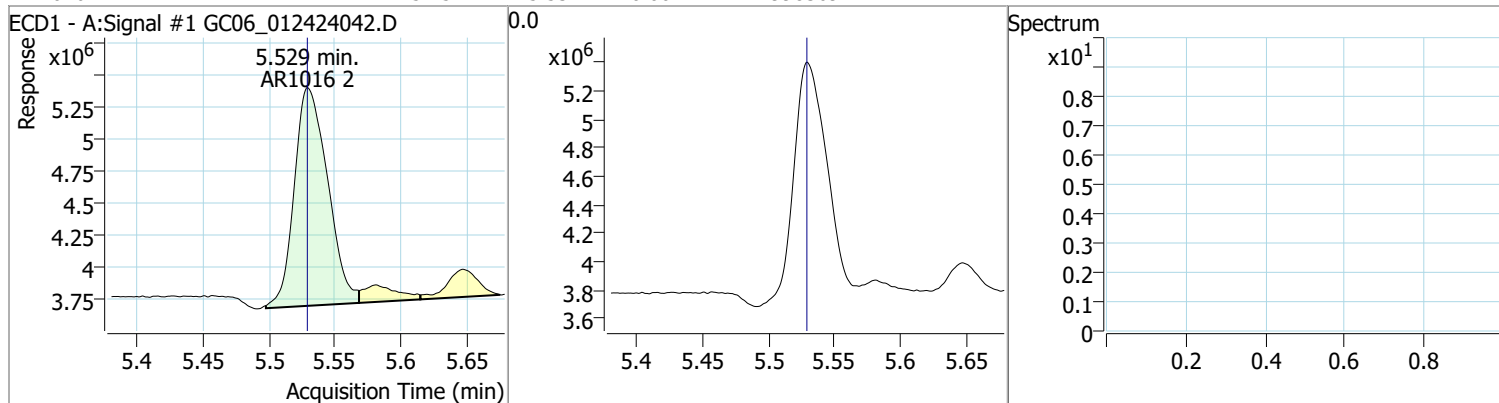
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.2506	5.18	0.00	30048087				



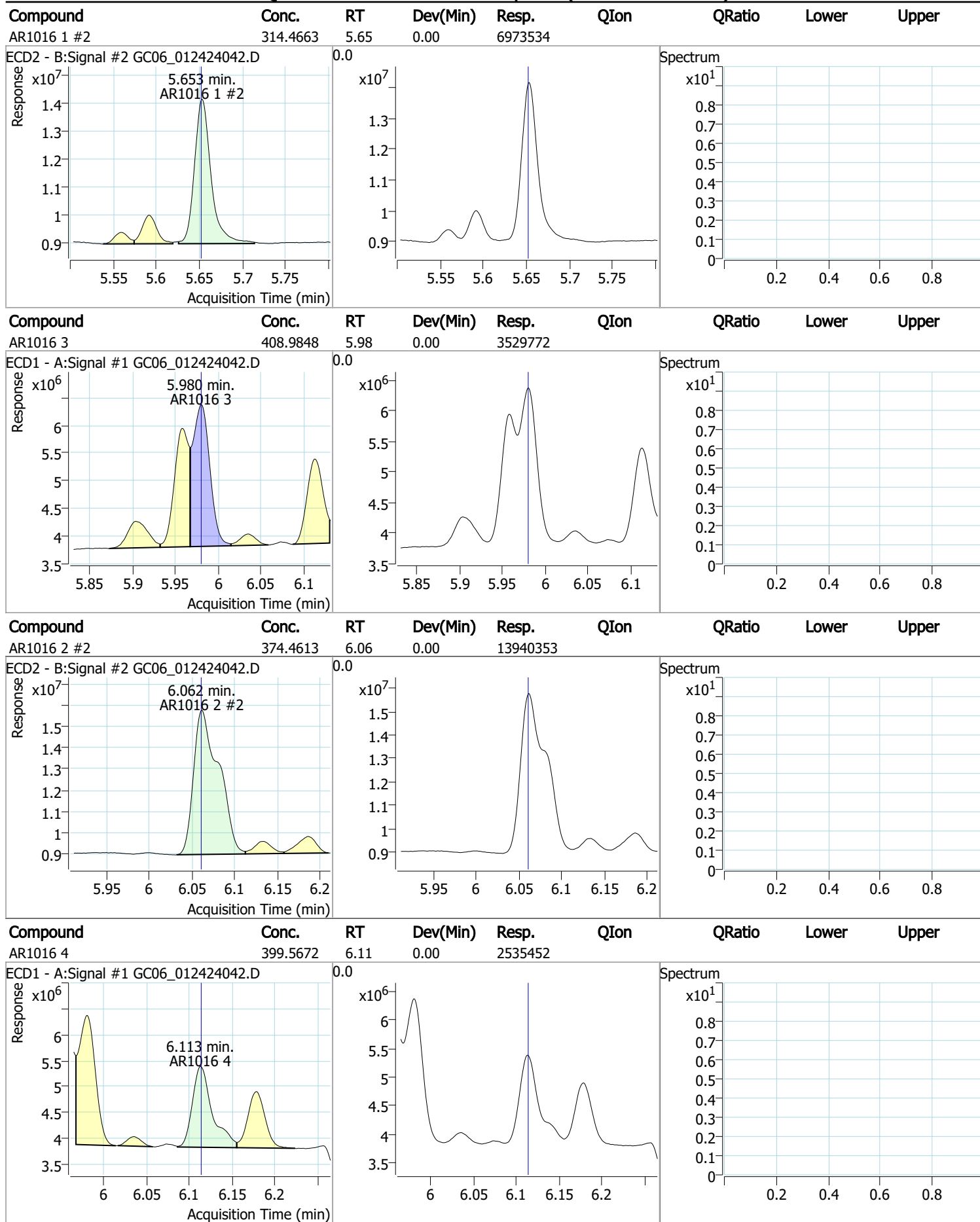
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	486.1151	5.20	0.00	1602199				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	454.5741	5.53	0.00	2998369				

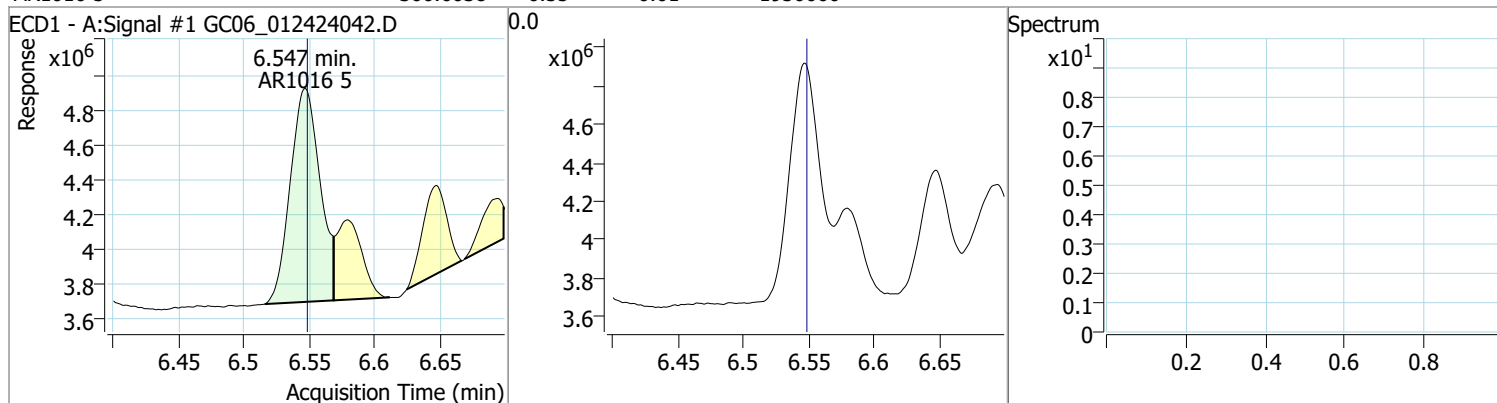


Quantitation Results Report (Not Reviewed)

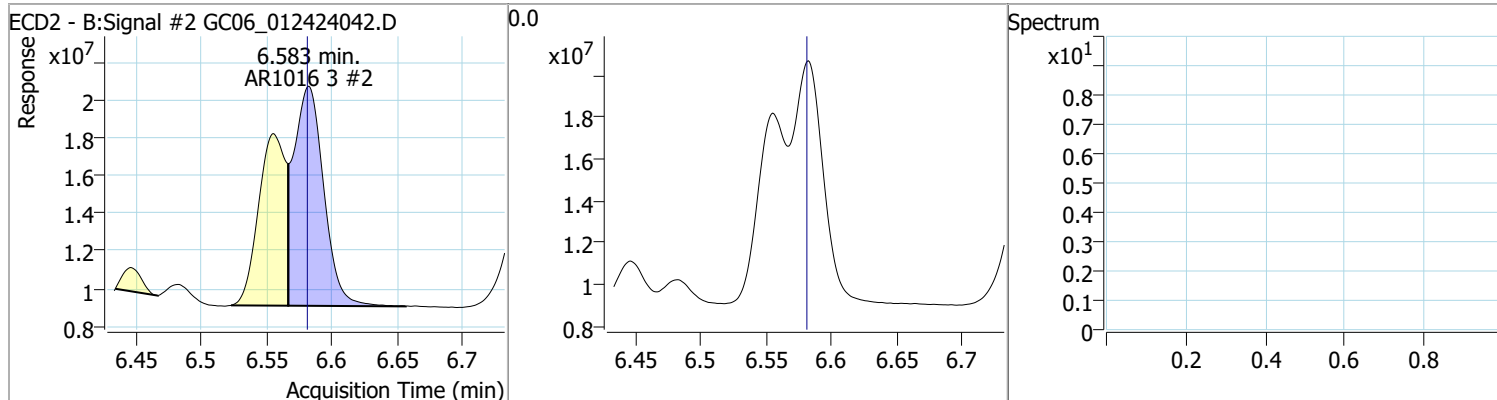


Quantitation Results Report (Not Reviewed)

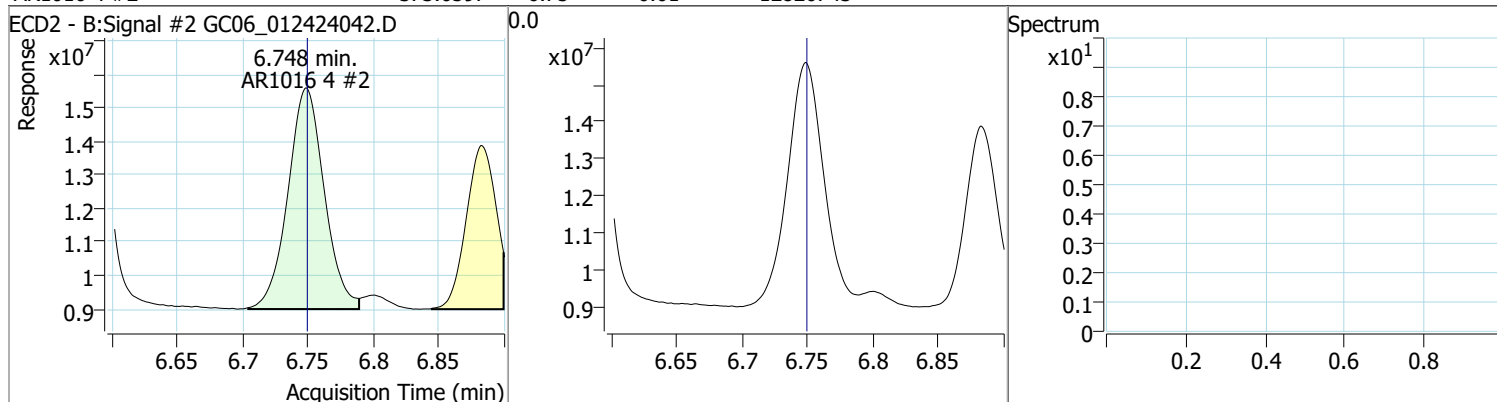
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	366.6038	6.55	-0.01	1950660				



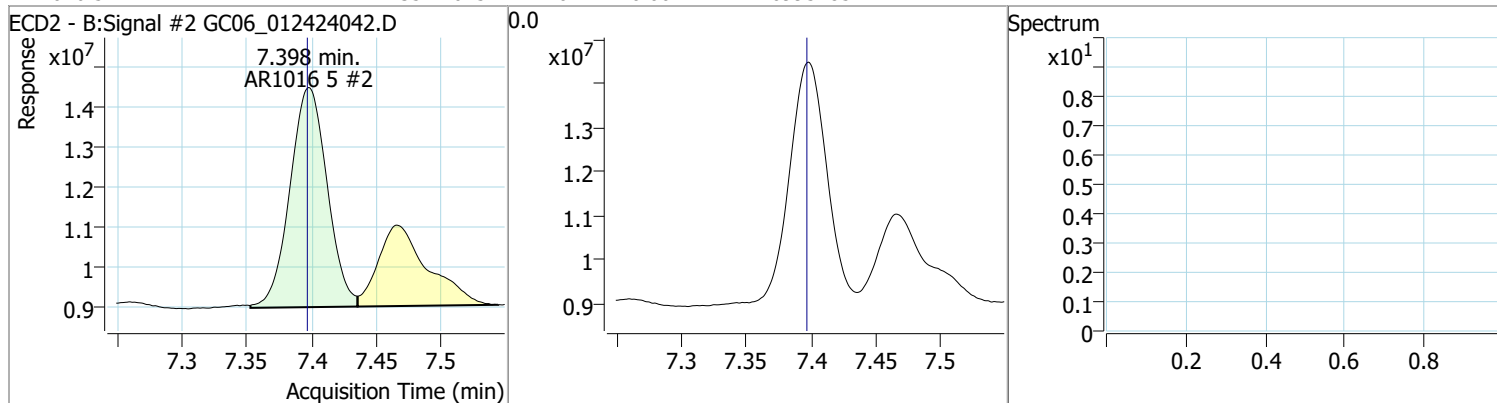
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	369.1503	6.58	0.00	18549245				



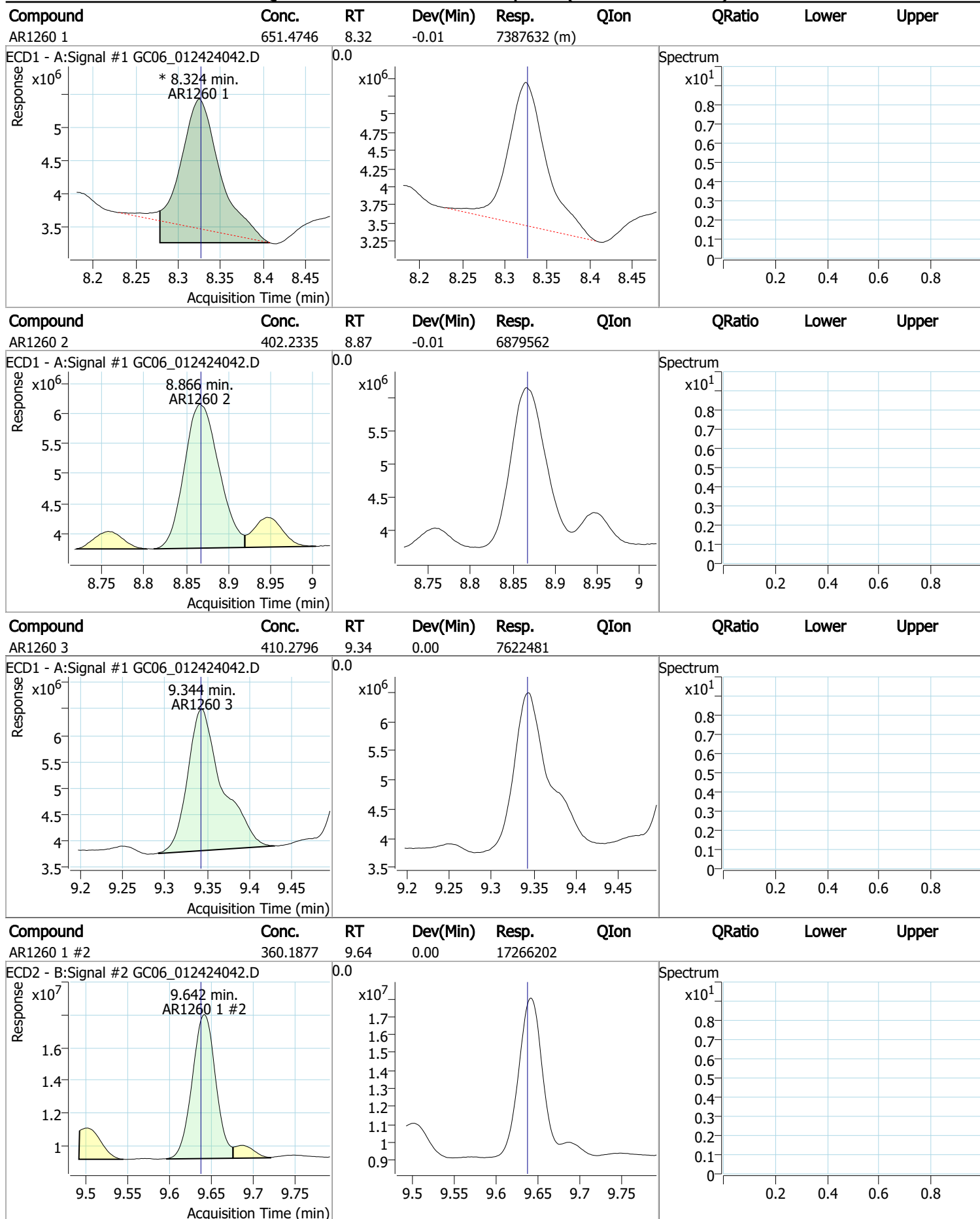
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	373.0597	6.75	-0.01	12826743				



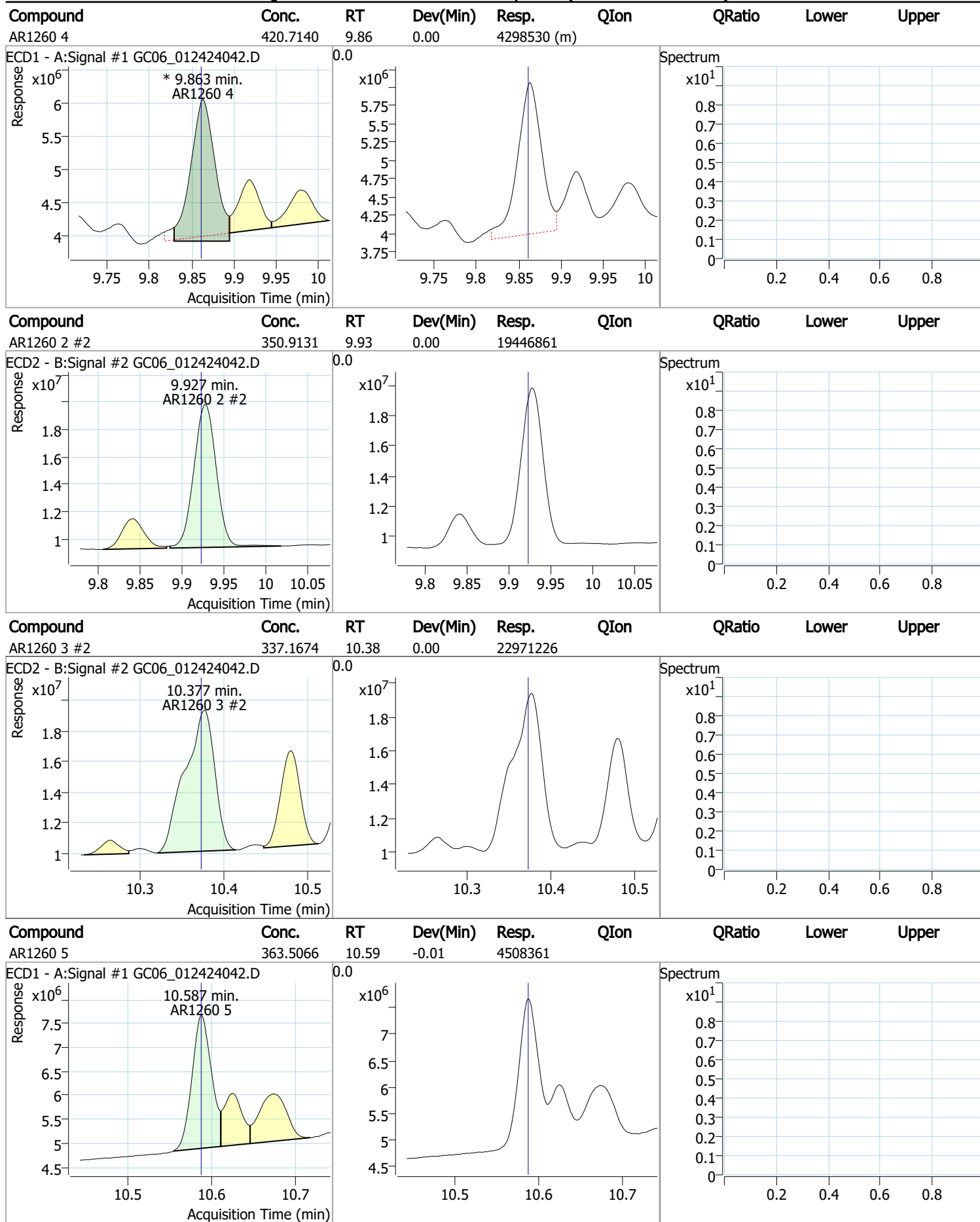
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	354.2645	7.40	0.00	10995185				



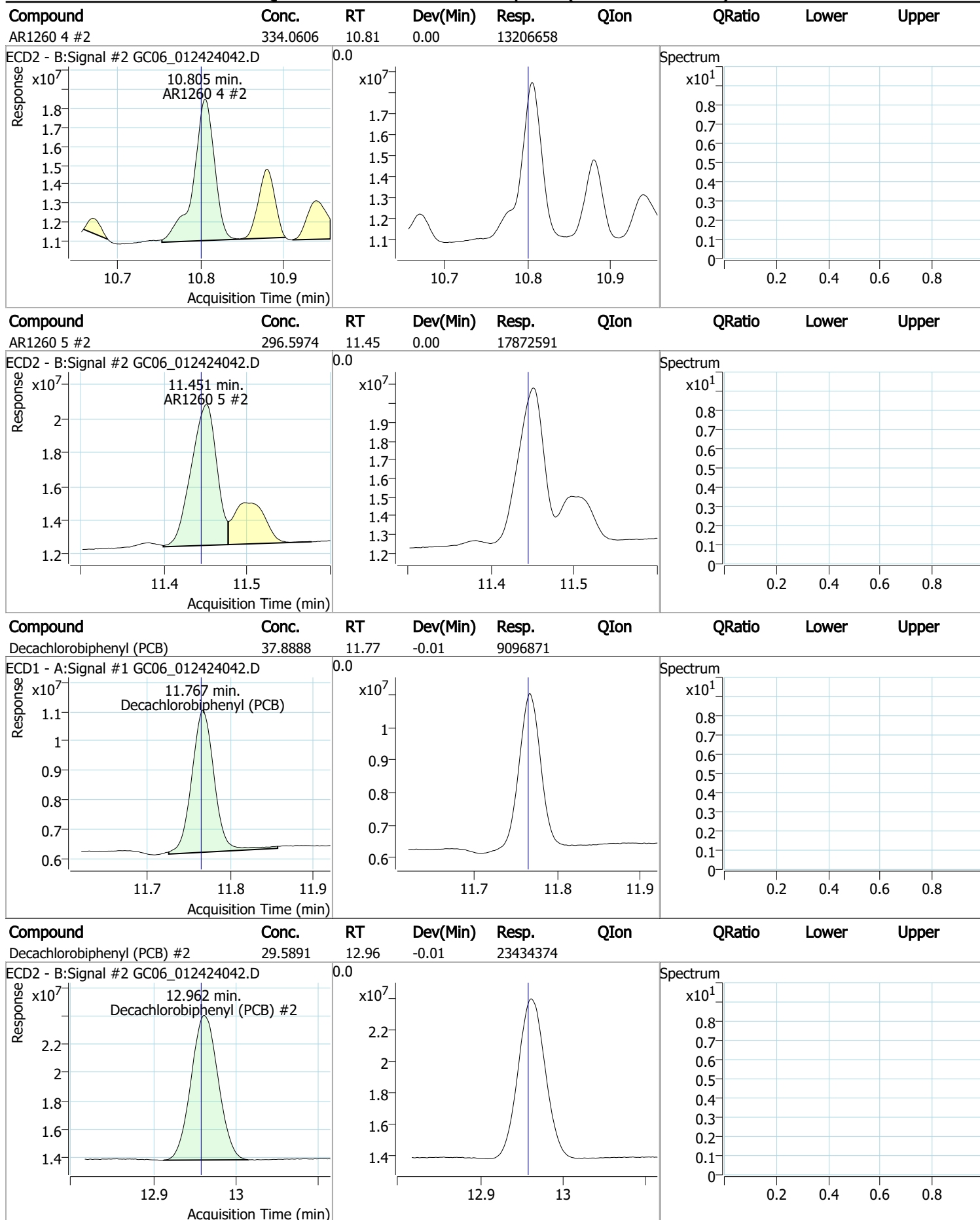
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



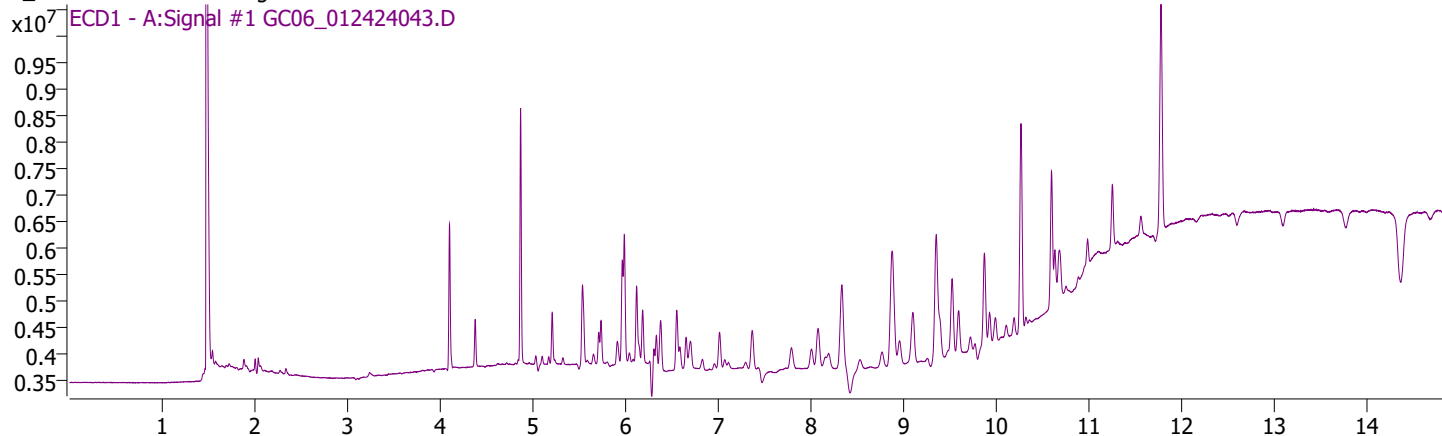
Quantitation Results Report (Not Reviewed)



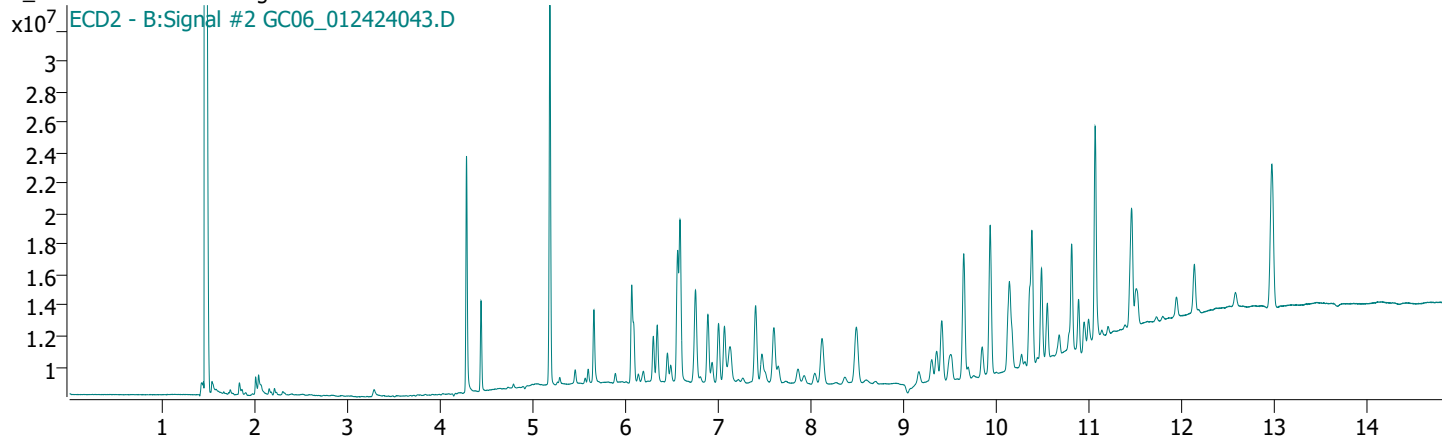
Quantitation Results Report (Not Reviewed)

Data File	GC06_012424043.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 10:30:39 PM
Sample Name	QC1121651, 330971, 1	Instrument	SVOA-GC06
Vial	33	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	WIPE/1S-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			

GC06_012424043.D No MS Signals



GC06_012424043.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.097	0.0	3010800.62 7	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.280	0.0	17124950.3 10	20.0000	ng/ml	-0.004
System Monitoring Compounds						
S TCMX (PCB)	4.863	0.0	4969720.86 8	35.8319	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.16%	*	
S TCMX (PCB) #2	5.179	0.0	27763750.1 53	32.8763	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.38%	*	
S Decachlorobiphenyl (PCB)	11.769	0.0	8603131.29 4	38.1916	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.96%	*	
S Decachlorobiphenyl (PCB) #2	12.965	0.0	22033455.0 35	28.9011	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.51%		

Target Compounds

QValue

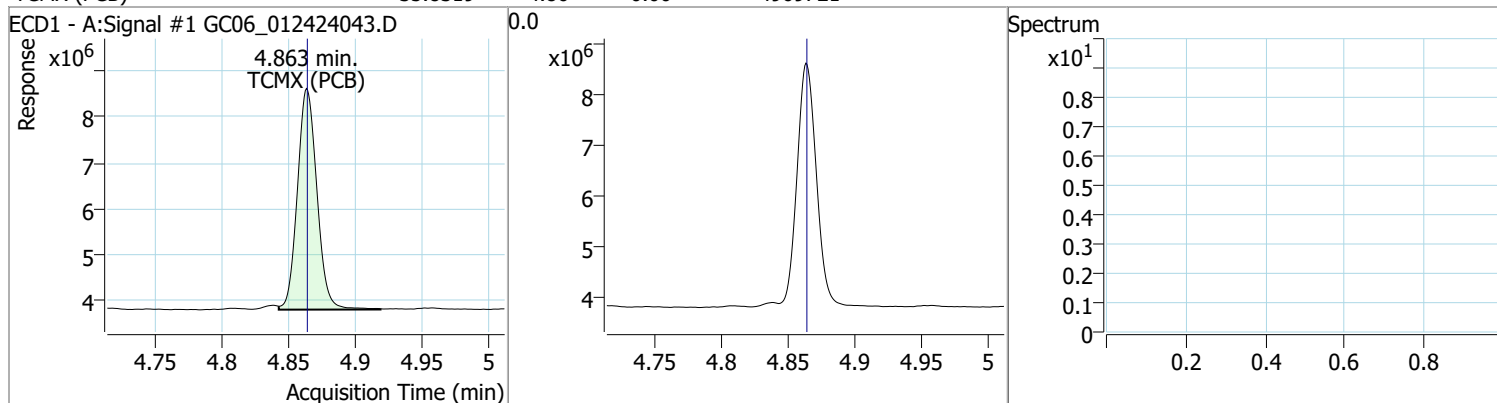
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.204	0.0	1423620.317	460.3724	ng/ml	100
T AR1016 2	5.531	0.0	2708895.504	437.7280	ng/ml	100
T AR1016 1 #2	5.654	0.0	6425505.786	301.0112	ng/ml	100
T AR1016 3	5.982	0.0	3123604.463	385.7527	ng/ml	100
T AR1016 2 #2	6.063	0.0	12776009.841	356.5189	ng/ml	100
T AR1016 4	6.114	0.0	2398284.278	402.8353	ng/ml	100
T AR1016 5	6.548	0.0	1775727.623	355.7004	ng/ml	100
T AR1016 3 #2	6.583	0.0	16985650.550	351.1667	ng/ml	100
T AR1016 4 #2	6.749	0.0	11740199.572	354.7248	ng/ml	100
T AR1016 5 #2	7.398	0.0	10019382.736	335.3669	ng/ml	100
T AR1260 1	8.328	0.0	6948343.308	653.0794	ng/ml m	100
T AR1260 2	8.869	0.0	6219151.022	387.5619	ng/ml	100
T AR1260 3	9.346	0.0	7036634.864	403.6836	ng/ml	100
T AR1260 1 #2	9.642	0.0	15935547.932	345.3450	ng/ml	100
T AR1260 4	9.865	0.0	4056867.934	423.2046	ng/ml m	100
T AR1260 2 #2	9.928	0.0	17970261.405	336.8671	ng/ml	100
T AR1260 3 #2	10.377	0.0	21259003.291	324.1593	ng/ml	100
T AR1260 5	10.588	0.0	4055508.197	348.5229	ng/ml	100
T AR1260 4 #2	10.806	0.0	13029918.062	342.3956	ng/ml	100
T AR1260 5 #2	11.452	0.0	16671363.441	287.4122	ng/ml	100

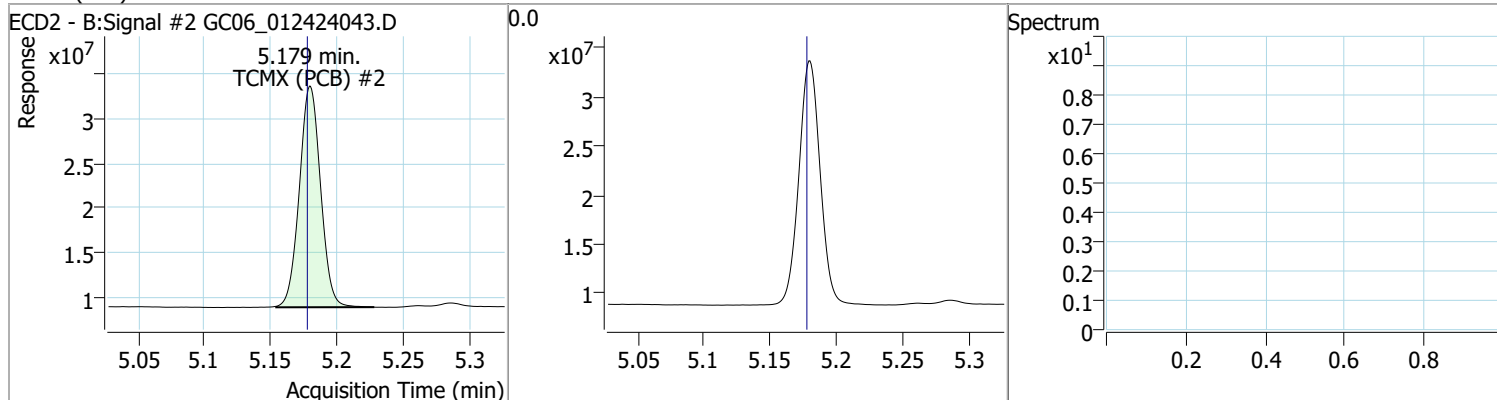
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

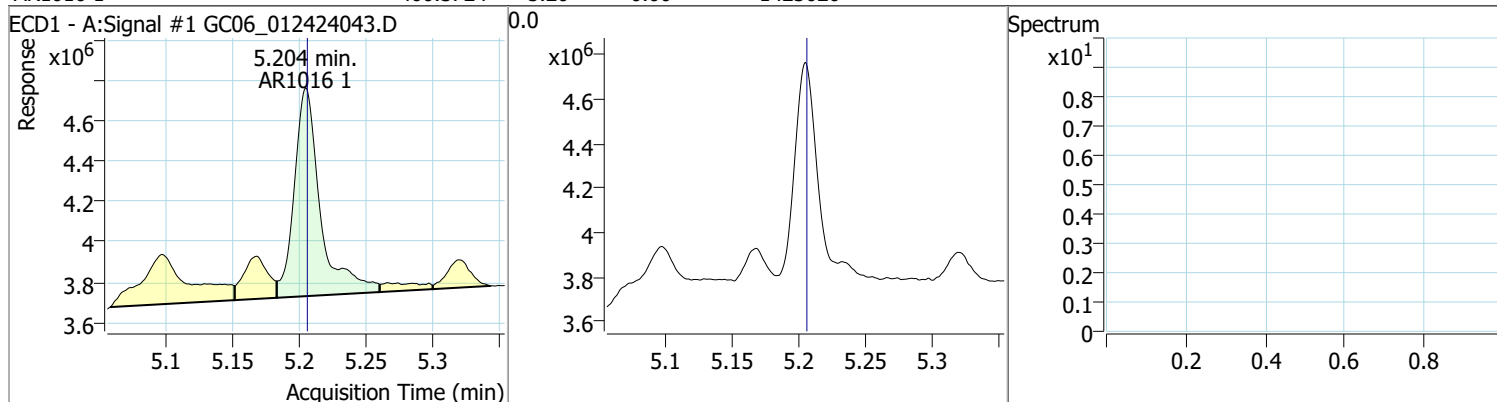
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.8319	4.86	0.00	4969721				



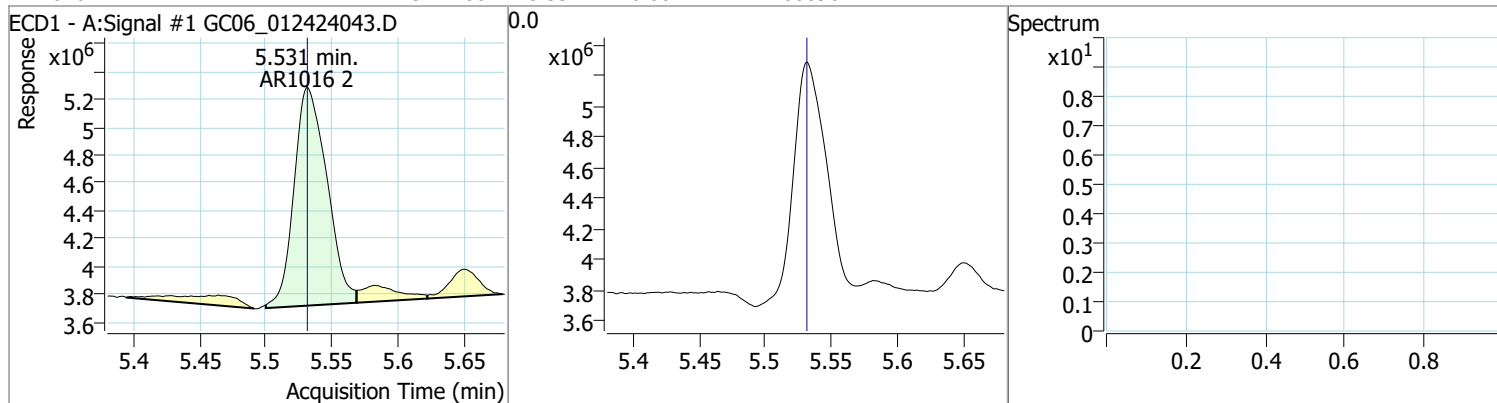
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.8763	5.18	0.00	27763750				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	460.3724	5.20	0.00	1423620				

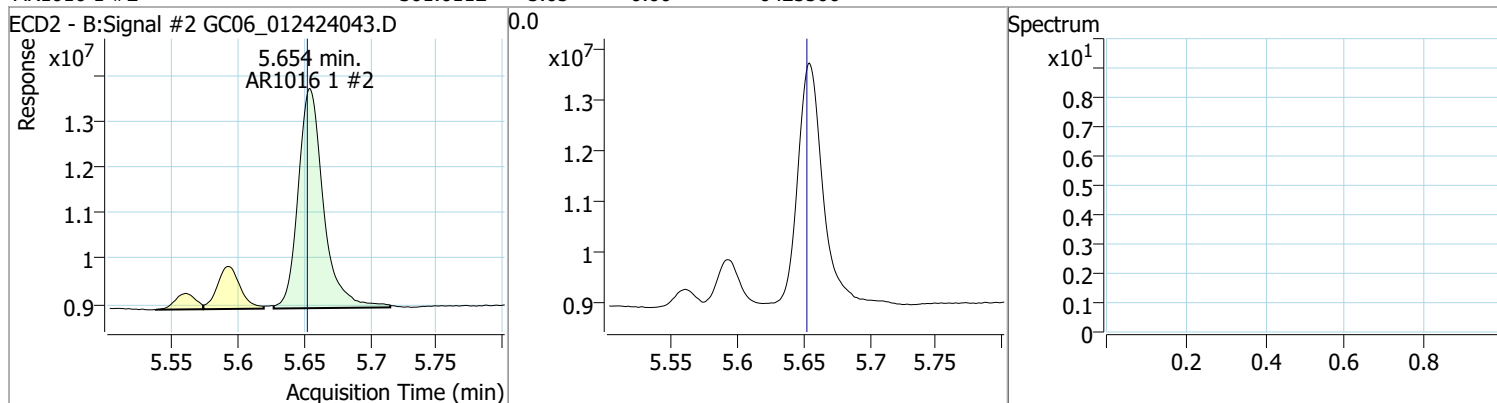


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	437.7280	5.53	0.00	2708896				

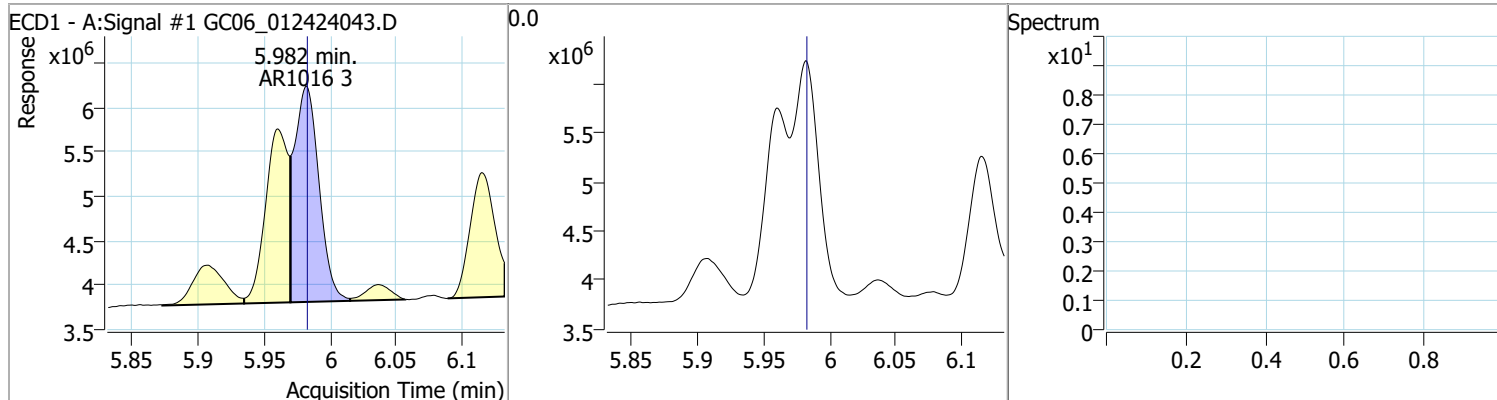


Quantitation Results Report (Not Reviewed)

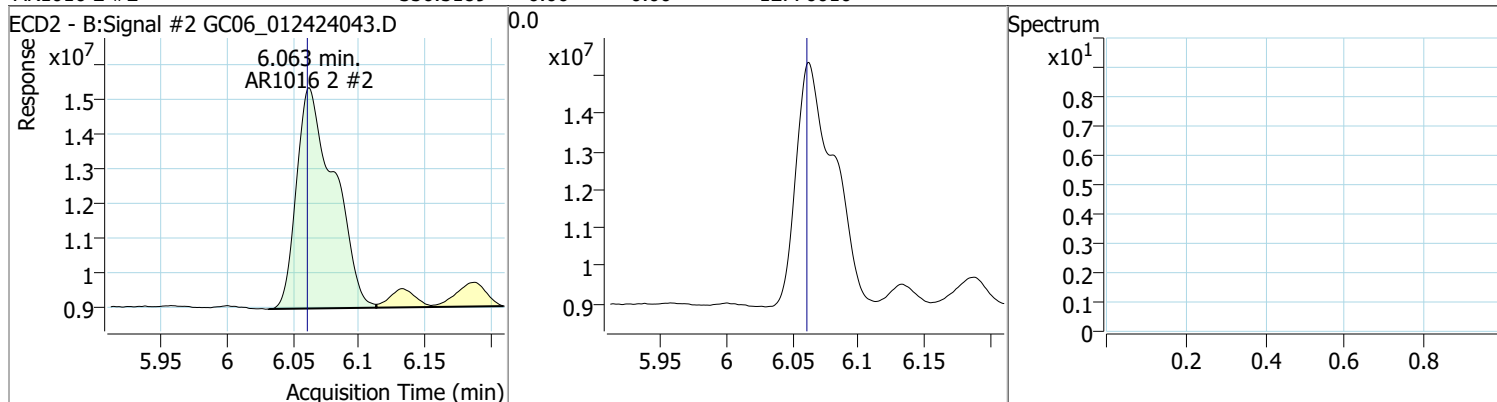
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	301.0112	5.65	0.00	6425506				



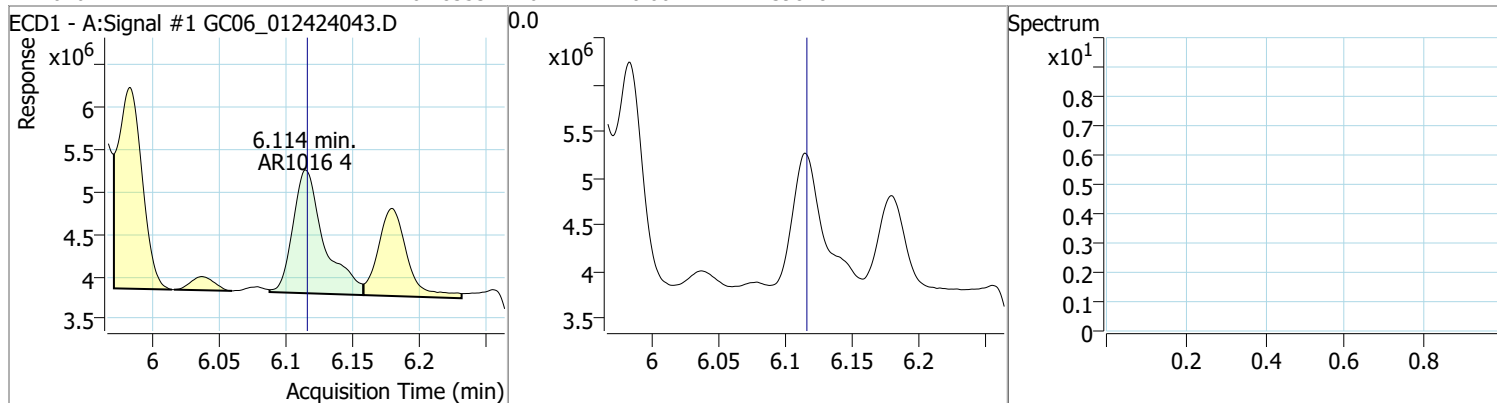
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	385.7527	5.98	0.00	3123604				



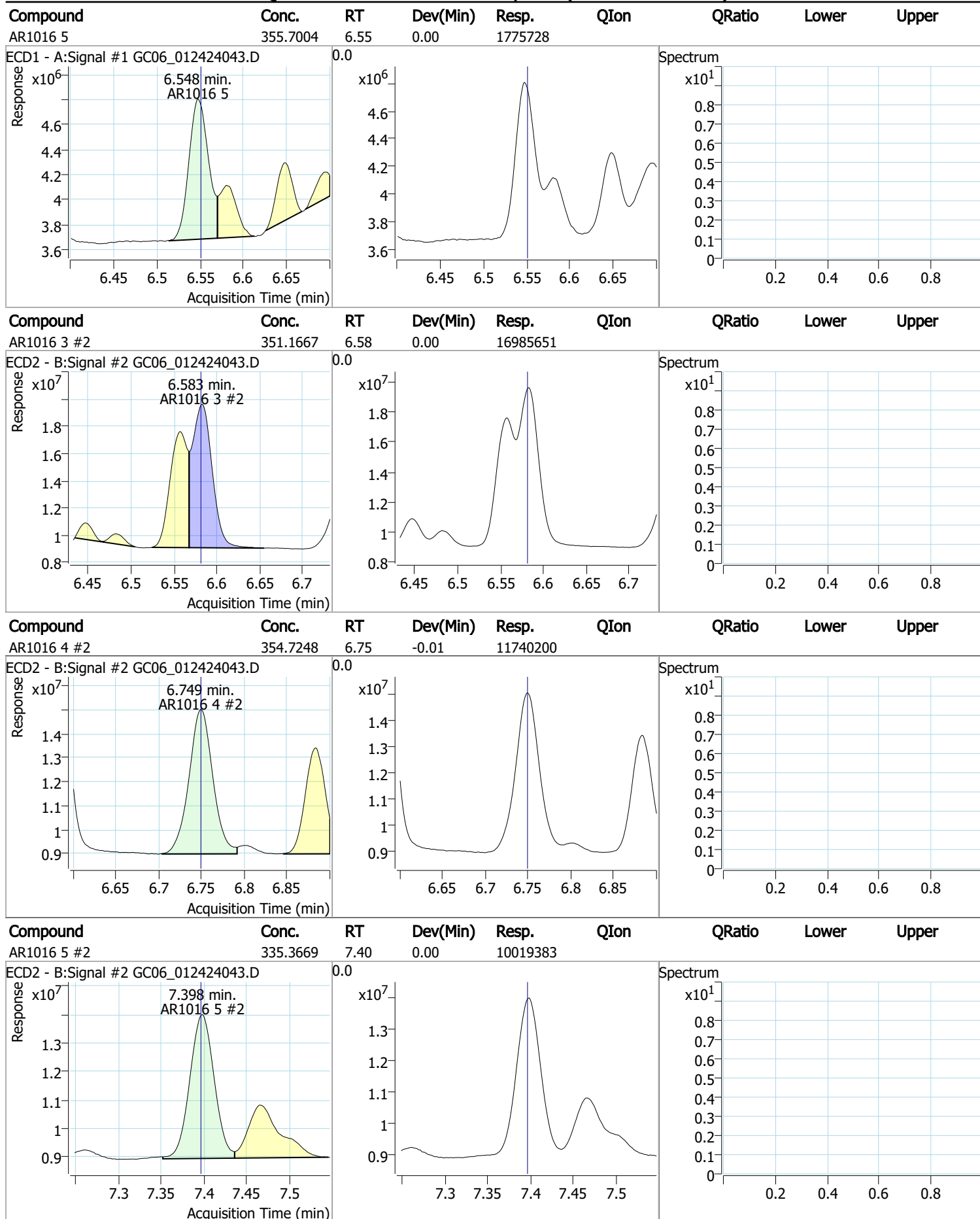
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	356.5189	6.06	0.00	12776010				



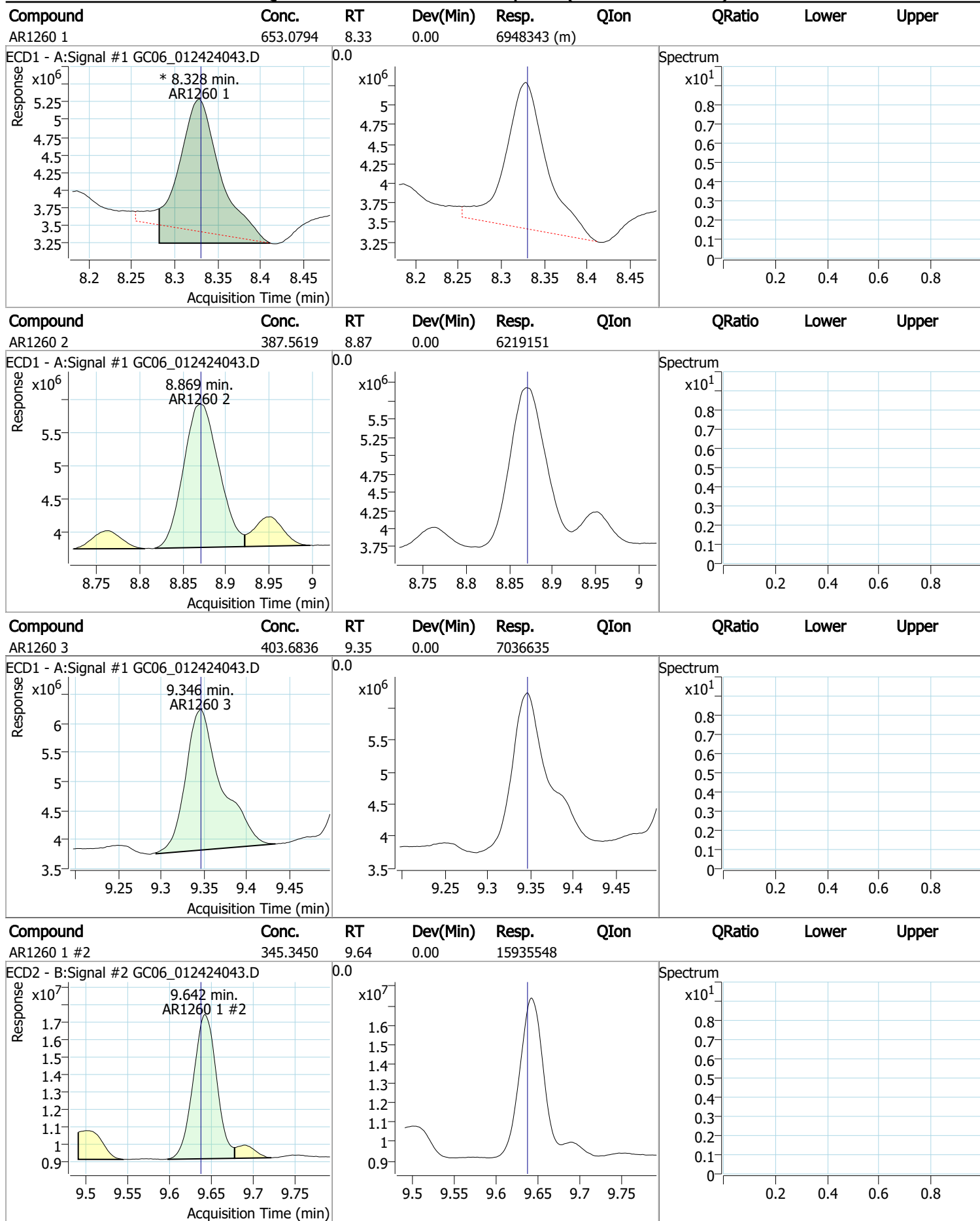
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	402.8353	6.11	0.00	2398284				



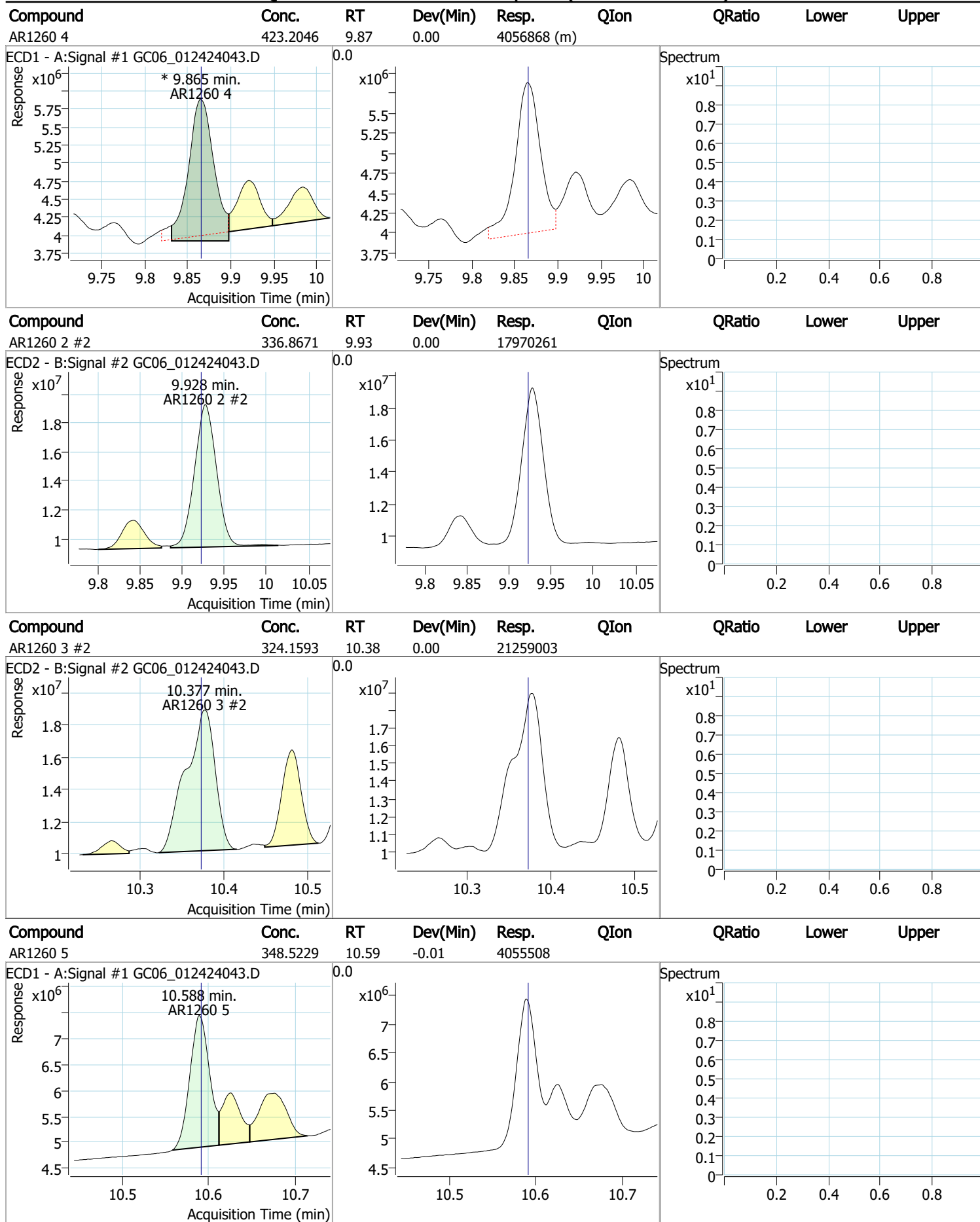
Quantitation Results Report (Not Reviewed)



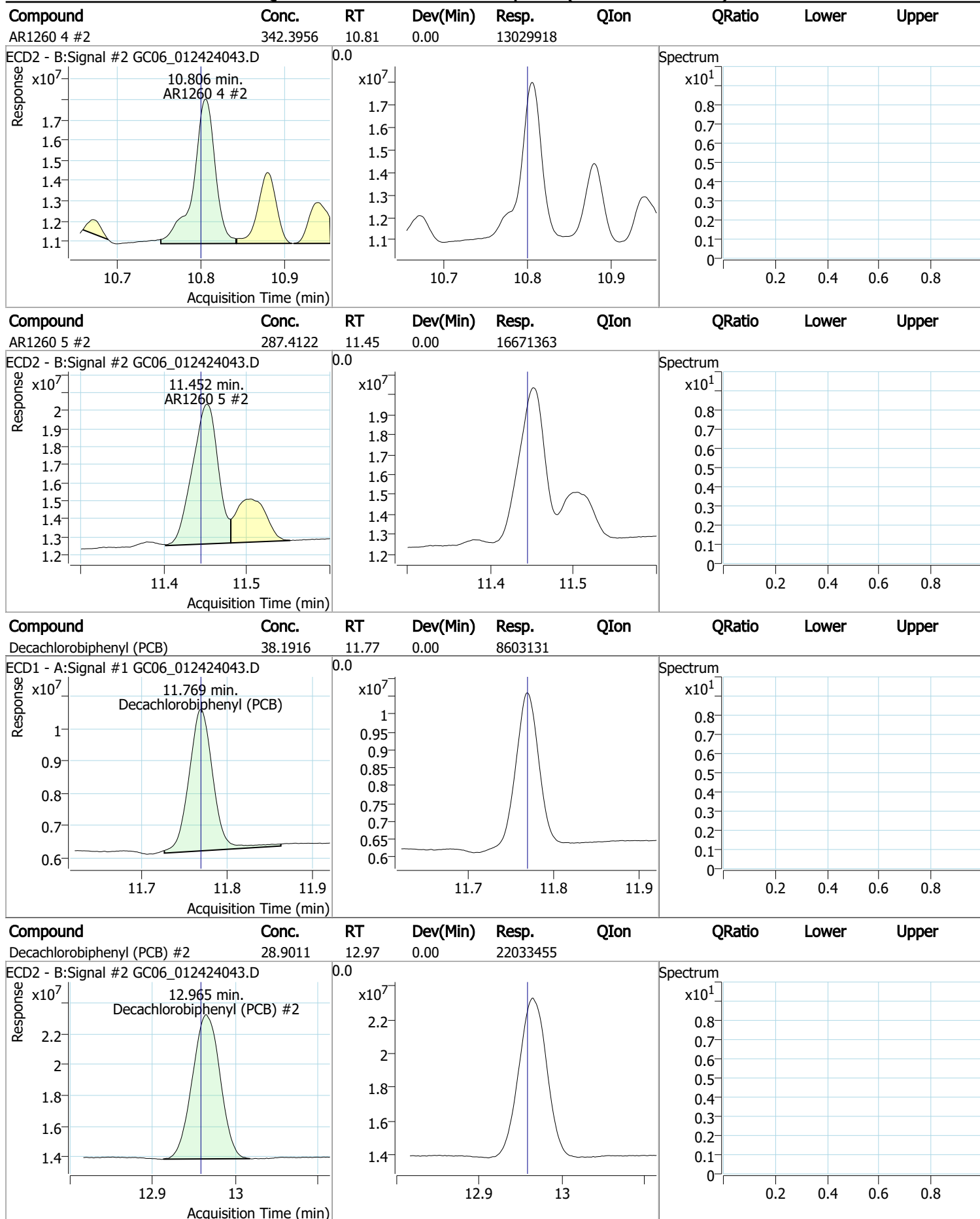
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Initial Calibration Raw Data

Instrument: SVOA-GC06
 Calibration #: 454035180003
 Units: ug/L

Name: PCB_608_012424_2
 Date: 24-JAN-2024 15:22
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_012424021	454035180021		24-JAN-2024 15:42	S19330
L2	gc06_012424022	454035180022		24-JAN-2024 16:03	S19332
L3	gc06_012424023	454035180023		24-JAN-2024 16:23	S19333
L4	gc06_012424024	454035180024		24-JAN-2024 16:44	S19340
L5	gc06_012424025	454035180025		24-JAN-2024 17:05	S19335
L6	gc06_012424026	454035180026		24-JAN-2024 17:25	S19336
L7	gc06_012424027	454035180027		24-JAN-2024 17:46	S19337
L8	gc06_012424028	454035180028		24-JAN-2024 18:07	S19338
L9	gc06_012424029	454035180029		24-JAN-2024 18:27	S19339

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		48.6819		0.0205	5	8	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.3256		0.0411	11	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.5911		0.0538	9	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		25.2859		0.0395	9	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.1550		0.0332	8	7	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.1494		0.0707	12	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.38128		0.1066	12	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		8.63631		0.1158	15	7	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		15.7040		0.0637	14	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		12.9371		0.0773	14	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.66829		1.4964	13	9	.99	20	
TCMX (PCB)	A	AVRG		1.08540		0.9213	6	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		40.1120		0.0249	20	7	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		23.8939		0.0419	11	8	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		17.7023		0.0565	12	8	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.8711		0.0387	12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		28.6602		0.0349	12	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		18.5560		0.0539	13	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		16.0511		0.0623	18	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		13.0561		0.0766	17	8	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		22.5002		0.0444	14	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.7616		0.0677	15	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		1.12313		0.8904	16	9	.99	20	
TCMX (PCB)	B	AVRG		1.01392		0.9863	15	9	.99	20	

Instrument: SVOA-GC06
 Calibration #: 454035180003
 Units: ug/L

Name: PCB_608_012424_2
 Date: 24-JAN-2024 15:22
 X Axis: R

$Instrument\ amount = a0 + (response \times a1) + (response^2 \times a2)$

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		0.0200	0.0210	0.0206	0.0218	0.0219	0.0210	0.0189	0.0192
Aroclor-1016 Peak # 2	A	0.0495	0.0359	0.0400	0.0413	0.0440	0.0444	0.0413	0.0367	0.0370
Aroclor-1016 Peak # 3	A	0.0620	0.0468	0.0517	0.0547	0.0571	0.0580	0.0557	0.0479	0.0501
Aroclor-1016 Peak # 4	A	0.0466	0.0386	0.0368	0.0396	0.0414	0.0425	0.0403	0.0346	0.0355
Aroclor-1016 Peak # 5	A	0.0359	0.0289	0.0304	0.0330	0.0348	0.0358	0.0333		
Aroclor-1260 Peak # 1	A	0.0813	0.0605	0.0664	0.0730	0.0798	0.0790	0.0731	0.0607	0.0623
Aroclor-1260 Peak # 2	A	0.1216	0.0887	0.0991	0.1106	0.1205	0.1206	0.1111	0.0921	0.0951
Aroclor-1260 Peak # 3	A	0.1278	0.0838	0.1027	0.1179	0.1306	0.1285	0.1192		
Aroclor-1260 Peak # 4	A	0.0616	0.0487	0.0552	0.0696	0.0739	0.0757	0.0702	0.0579	0.0604
Aroclor-1260 Peak # 5	A	0.0744	0.0611	0.0682	0.0825	0.0890	0.0950	0.0828	0.0712	0.0713
Decachlorobiphenyl (PCB)	A	1.6758	1.2599	1.3025	1.5722	1.7199	1.7235	1.5920	1.2856	1.3359
TCMX (PCB)	A	0.9602	0.8156	0.8655	0.9146	0.9273	0.9808	0.9559	0.9179	0.9541
Aroclor-1016 Peak # 1	B	0.0352	0.0265	0.0254	0.0216	0.0231	0.0224	0.0203		
Aroclor-1016 Peak # 2	B		0.0463	0.0444	0.0429	0.0458	0.0448	0.0405	0.0357	0.0345
Aroclor-1016 Peak # 3	B		0.0666	0.0589	0.0563	0.0622	0.0596	0.0547	0.0473	0.0463
Aroclor-1016 Peak # 4	B	0.0457	0.0360	0.0383	0.0400	0.0423	0.0422	0.0384	0.0330	0.0320
Aroclor-1016 Peak # 5	B		0.0382	0.0361	0.0362	0.0386	0.0382	0.0345	0.0293	0.0280
Aroclor-1260 Peak # 1	B		0.0587	0.0554	0.0560	0.0625	0.0589	0.0526	0.0437	0.0432
Aroclor-1260 Peak # 2	B	0.0852	0.0597	0.0591	0.0628	0.0715	0.0660	0.0592	0.0490	0.0483
Aroclor-1260 Peak # 3	B	0.1023	0.0638	0.0710	0.0765	0.0841	0.0812	0.0731	0.0608	
Aroclor-1260 Peak # 4	B	0.0524	0.0389	0.0421	0.0472	0.0511	0.0500	0.0449	0.0372	0.0361
Aroclor-1260 Peak # 5	B	0.0865	0.0607	0.0623	0.0701	0.0757	0.0757	0.0678	0.0549	0.0560
Decachlorobiphenyl (PCB)	B	1.1522	0.7557	0.8118	0.9269	1.0024	0.9984	0.9091	0.7259	0.7310
TCMX (PCB)	B	1.3492	1.0226	0.9936	0.9322	0.9755	0.9651	0.9064	0.8587	0.8731

Instrument: SVOA-GC06
 Calibration #: 454035180003
 Units: ug/L

Name: PCB_608_012424_2
 Date: 24-JAN-2024 15:22
 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			50.000	-3	100.00	2	500.00	0	250.00	6	750.00	7	1000.0	2	1500.0	-8
Aroclor-1016 Peak # 2	A	20.000	20	50.000	-13	100.00	-3	500.00	0	250.00	7	750.00	8	1000.0	0	1500.0	-11
Aroclor-1016 Peak # 3	A	20.000	15	50.000	-13	100.00	-4	500.00	2	250.00	6	750.00	8	1000.0	4	1500.0	-11
Aroclor-1016 Peak # 4	A	20.000	18	50.000	-2	100.00	-7	500.00	0	250.00	5	750.00	8	1000.0	2	1500.0	-12
Aroclor-1016 Peak # 5	A	20.000	8	50.000	-13	100.00	-8	500.00	0	250.00	5	750.00	8	1000.0	0		
Aroclor-1260 Peak # 1	A	20.000	15	50.000	-14	100.00	-6	500.00	3	250.00	13	750.00	12	1000.0	3	1500.0	-14
Aroclor-1260 Peak # 2	A	20.000	14	50.000	-17	100.00	-7	500.00	4	250.00	13	750.00	13	1000.0	4	1500.0	-14
Aroclor-1260 Peak # 3	A	20.000	10	50.000	-28	100.00	-11	500.00	2	250.00	13	750.00	11	1000.0	3		
Aroclor-1260 Peak # 4	A	20.000	-3	50.000	-24	100.00	-13	500.00	9	250.00	16	750.00	19	1000.0	10	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	-4	50.000	-21	100.00	-12	500.00	7	250.00	15	750.00	23	1000.0	7	1500.0	-8
Decachlorobiphenyl (PCB)	A	1.6000	12	4.0000	-16	8.0000	-13	40.000	5	20.000	15	60.000	15	80.000	6	120.00	-14
TCMX (PCB)	A	1.6000	4	4.0000	-11	8.0000	-6	40.000	-1	20.000	1	60.000	6	80.000	4	120.00	0
Aroclor-1016 Peak # 1	B	20.000	41	50.000	6	100.00	2	500.00	-13	250.00	-7	750.00	-10	1000.0	-19		
Aroclor-1016 Peak # 2	B			50.000	11	100.00	6	500.00	3	250.00	9	750.00	7	1000.0	-3	1500.0	-15
Aroclor-1016 Peak # 3	B			50.000	18	100.00	4	500.00	0	250.00	10	750.00	6	1000.0	-3	1500.0	-16
Aroclor-1016 Peak # 4	B	20.000	18	50.000	-7	100.00	-1	500.00	3	250.00	9	750.00	9	1000.0	-1	1500.0	-15
Aroclor-1016 Peak # 5	B			50.000	9	100.00	3	500.00	4	250.00	11	750.00	9	1000.0	-1	1500.0	-16
Aroclor-1260 Peak # 1	B			50.000	9	100.00	3	500.00	4	250.00	16	750.00	9	1000.0	-2	1500.0	-19
Aroclor-1260 Peak # 2	B	20.000	37	50.000	-4	100.00	-5	500.00	1	250.00	15	750.00	6	1000.0	-5	1500.0	-21
Aroclor-1260 Peak # 3	B	20.000	34	50.000	-17	100.00	-7	500.00	0	250.00	10	750.00	6	1000.0	-5	1500.0	-21
Aroclor-1260 Peak # 4	B	20.000	18	50.000	-13	100.00	-5	500.00	6	250.00	15	750.00	12	1000.0	1	1500.0	-16
Aroclor-1260 Peak # 5	B	20.000	28	50.000	-10	100.00	-8	500.00	4	250.00	12	750.00	12	1000.0	0	1500.0	-19
Decachlorobiphenyl (PCB)	B	1.6000	29	4.0000	-15	8.0000	-9	40.000	4	20.000	13	60.000	12	80.000	2	120.00	-18
TCMX (PCB)	B	1.6000	37	4.0000	4	8.0000	1	40.000	-5	20.000	-1	60.000	-2	80.000	-8	120.00	-13

Instrument: SVOA-GC06
 Calibration #: 454035180003
 Units: ug/L

Name: PCB_608_012424_2
 Date: 24-JAN-2024 15:22
 X Axis: R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-6
Aroclor-1016 Peak # 2	A	2000.0	-10
Aroclor-1016 Peak # 3	A	2000.0	-7
Aroclor-1016 Peak # 4	A	2000.0	-10
Aroclor-1016 Peak # 5	A		
Aroclor-1260 Peak # 1	A	2000.0	-12
Aroclor-1260 Peak # 2	A	2000.0	-11
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A	2000.0	-5
Aroclor-1260 Peak # 5	A	2000.0	-8
Decachlorobiphenyl (PCB)	A	160.00	-11
TCMX (PCB)	A	160.00	4
Aroclor-1016 Peak # 1	B		
Aroclor-1016 Peak # 2	B	2000.0	-18
Aroclor-1016 Peak # 3	B	2000.0	-18
Aroclor-1016 Peak # 4	B	2000.0	-17
Aroclor-1016 Peak # 5	B	2000.0	-20
Aroclor-1260 Peak # 1	B	2000.0	-20
Aroclor-1260 Peak # 2	B	2000.0	-23
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B	2000.0	-19
Aroclor-1260 Peak # 5	B	2000.0	-17
Decachlorobiphenyl (PCB)	B	160.00	-18
TCMX (PCB)	B	160.00	-11

TRN 01/25/24 : Manually integrated for coeluting peak, negative/tailing peak, and automatic draw baseline for one/both columns on multiple levels

Analyst: TRN 01/25/24

Reviewer: MTS 01/25/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 500180 PCBS Wipe
EPA 8082

Inst: SVOA-GC06
Calnum: 454035180003

Name: PCB_608_012424_2
Cal Date: 24-JAN-2024

- ICV 454035180032 (gc06_012424032 24-JAN-2024) stds: S19341

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	540.8	ug/L	8	15	
Aroclor-1260	A	500.0	557.8	ug/L	12	15	
Aroclor-1016	B	500.0	526.8	ug/L	5	15	
Aroclor-1260	B	500.0	536.5	ug/L	7	15	

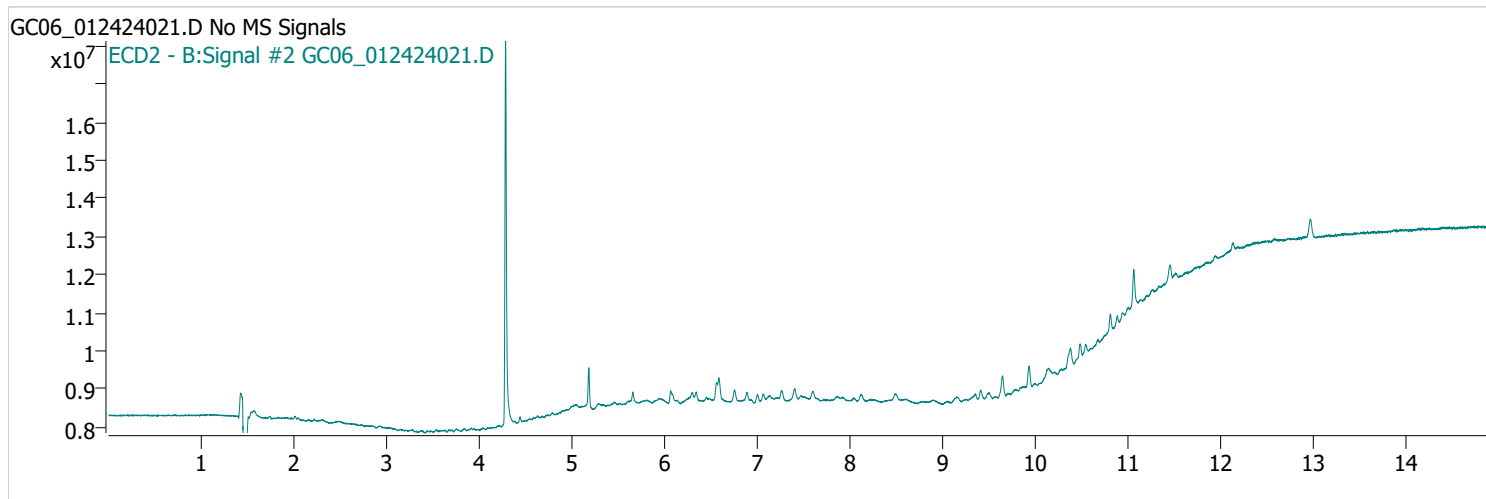
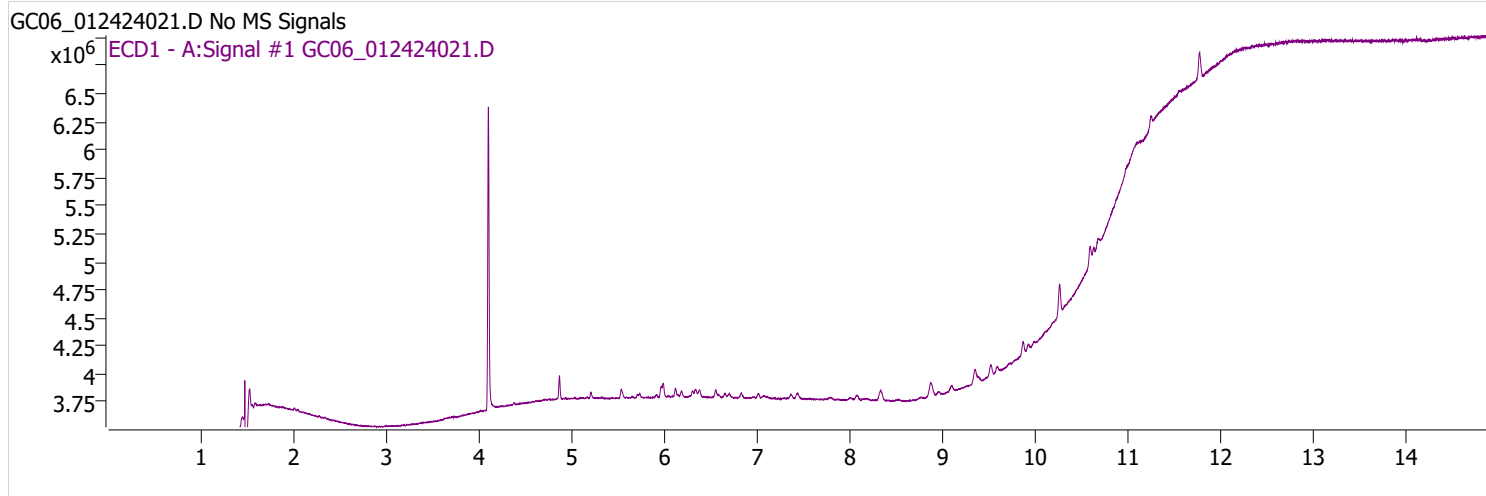
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Analyst: TRN 01/25/24

Reviewer: MTS 01/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_012424021.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 3:42:55 PM
Sample Name	ICAL, S19330	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:35:37 PM
Ref Library			



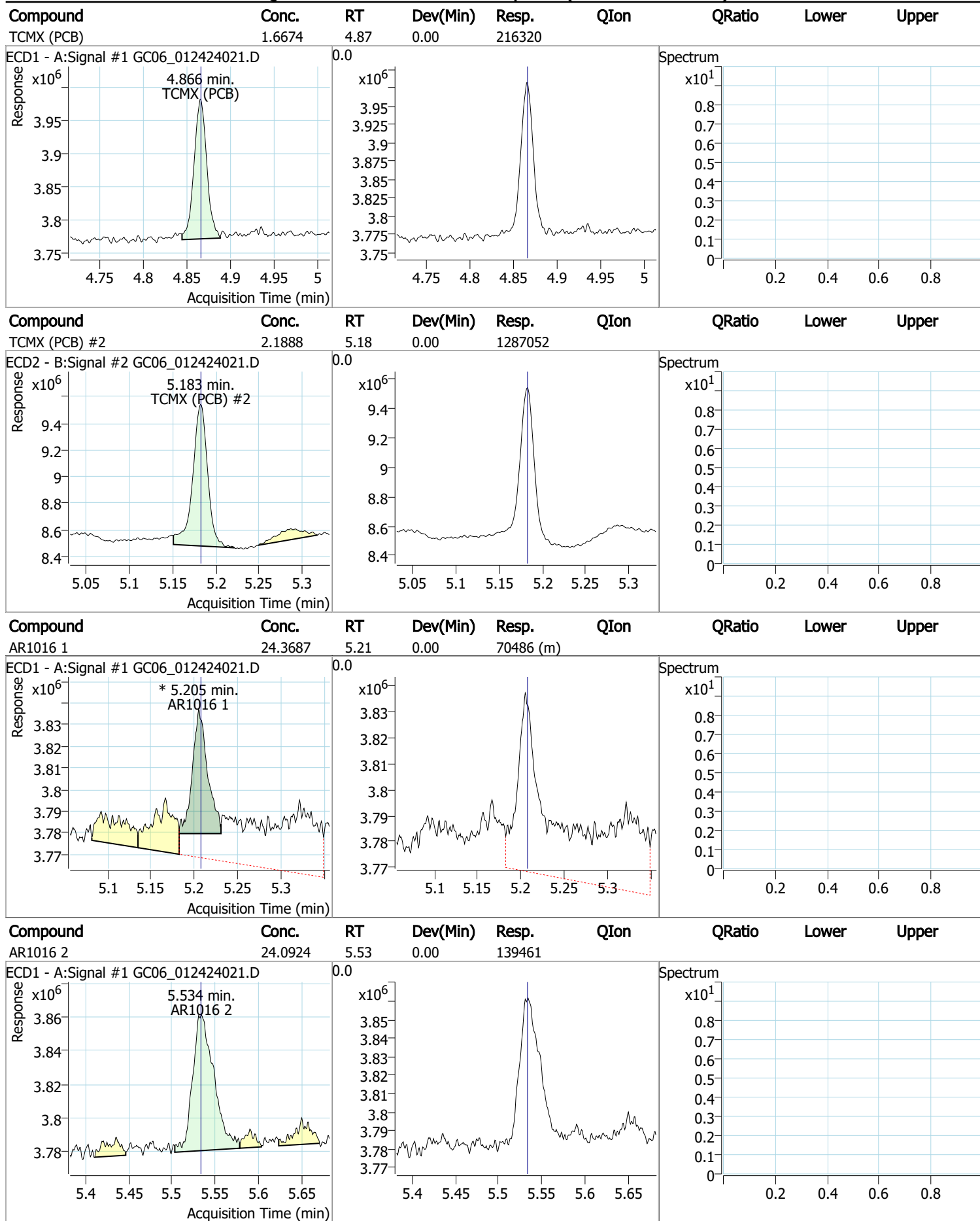
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.098	0.0	2816227.905	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.284	0.0	11923860.450	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.866	0.0	216320.192	1.6674	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.34%	*	
S TCMX (PCB) #2	5.183	0.0	1287051.519	2.1888	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.94%	*	
S Decachlorobiphenyl (PCB)	11.776	0.0	377552.777	1.7919	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.96%	*	
S Decachlorobiphenyl (PCB) #2	12.969	0.0	1099061.030	2.0705	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.35%	*	
Target Compounds						QValue
T AR1016 1	5.205	0.0	70486.102	24.3687	ng/ml m	100

Quantitation Results Report (Not Reviewed)

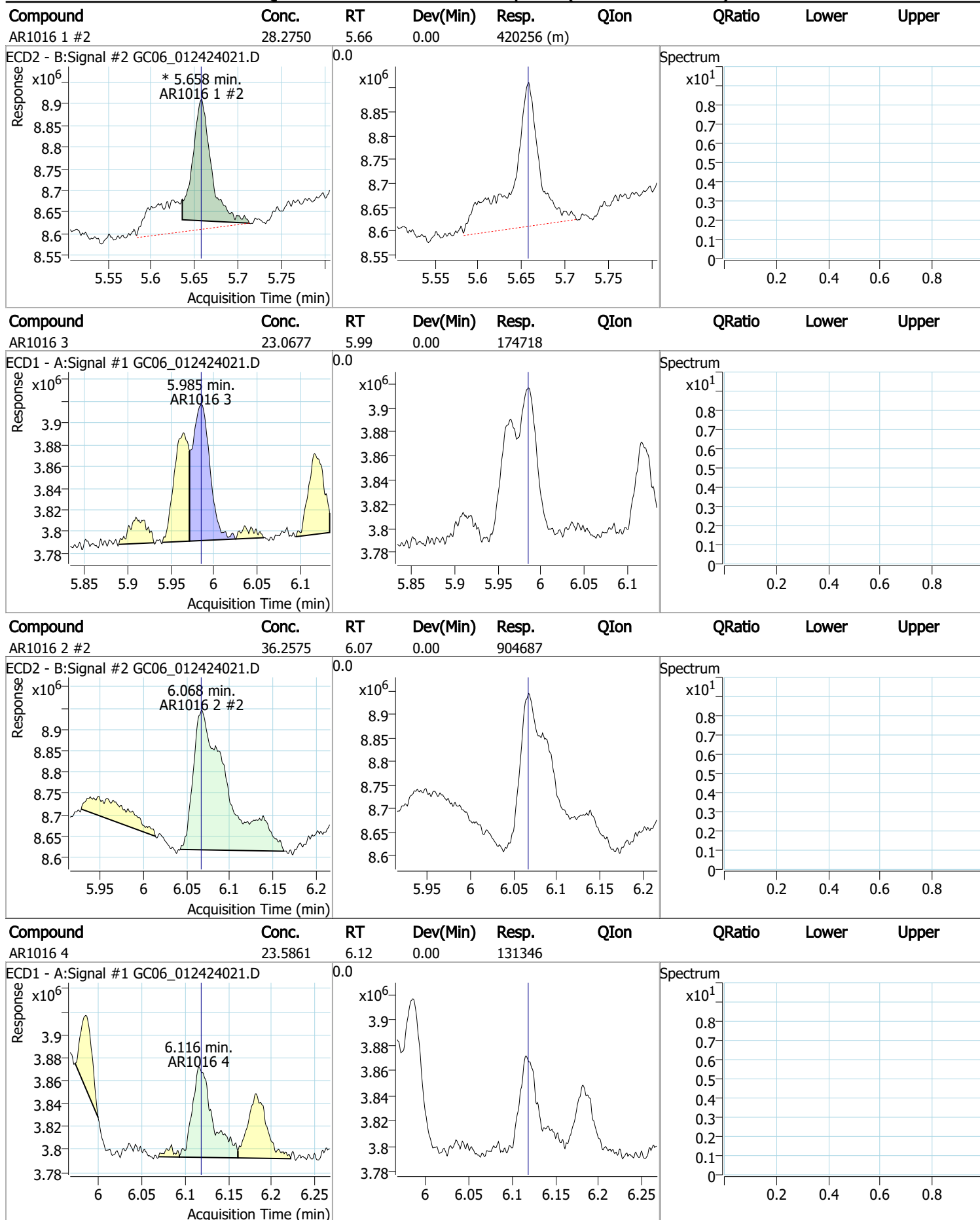
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.534	0.0	139461.079	24.0924	ng/ml	100
T AR1016 1 #2	5.658	0.0	420256.425	28.2750	ng/ml m	100
T AR1016 3	5.985	0.0	174717.909	23.0677	ng/ml	100
T AR1016 2 #2	6.068	0.0	904687.194	36.2575	ng/ml	100
T AR1016 4	6.116	0.0	131345.593	23.5861	ng/ml	100
T AR1016 5	6.554	0.0	101159.123	21.6634	ng/ml	100
T AR1016 3 #2	6.586	0.0	1101579.62 3	32.7084	ng/ml	100
T AR1016 4 #2	6.755	0.0	545000.553	23.0562	ng/ml	100
T AR1016 5 #2	7.404	0.0	650881.375	31.2891	ng/ml	100
T AR1260 1	8.333	0.0	228935.287	23.0044	ng/ml	100
T AR1260 2	8.872	0.0	342391.969	22.8112	ng/ml	100
T AR1260 3	9.350	0.0	359827.155	22.0691	ng/ml	100
T AR1260 1 #2	9.647	0.0	1081919.01 5	33.6739	ng/ml	100
T AR1260 4	9.870	0.0	173464.702	19.3457	ng/ml	100
T AR1260 2 #2	9.933	0.0	1015349.04 5	27.3358	ng/ml	100
T AR1260 3 #2	10.379	0.0	1219466.66 0	26.7053	ng/ml	100
T AR1260 5	10.595	0.0	209564.601	19.2539	ng/ml	100
T AR1260 4 #2	10.812	0.0	625249.490	23.5968	ng/ml	100
T AR1260 5 #2	11.455	0.0	1030852.28 8	25.5237	ng/ml	100

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

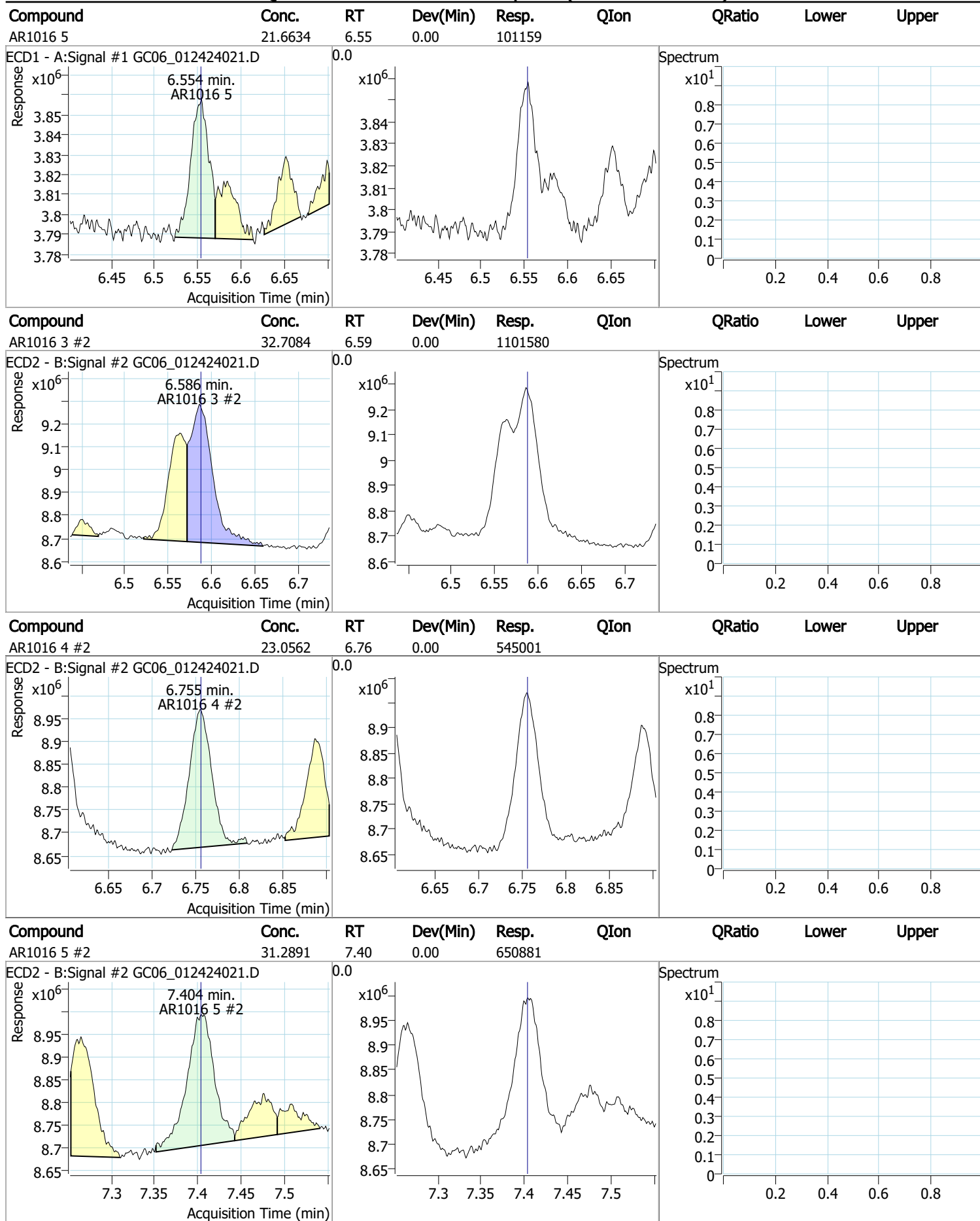
Quantitation Results Report (Not Reviewed)



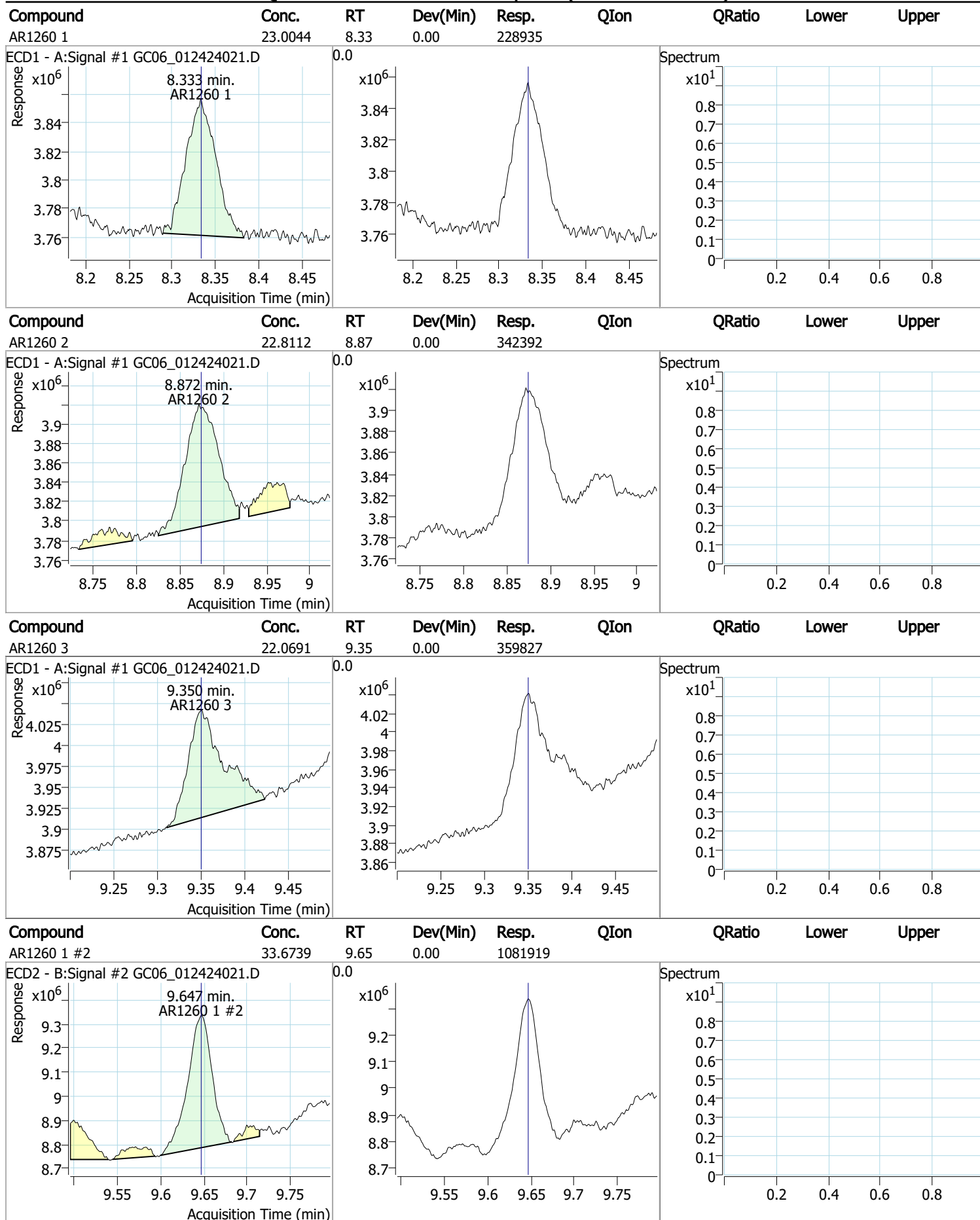
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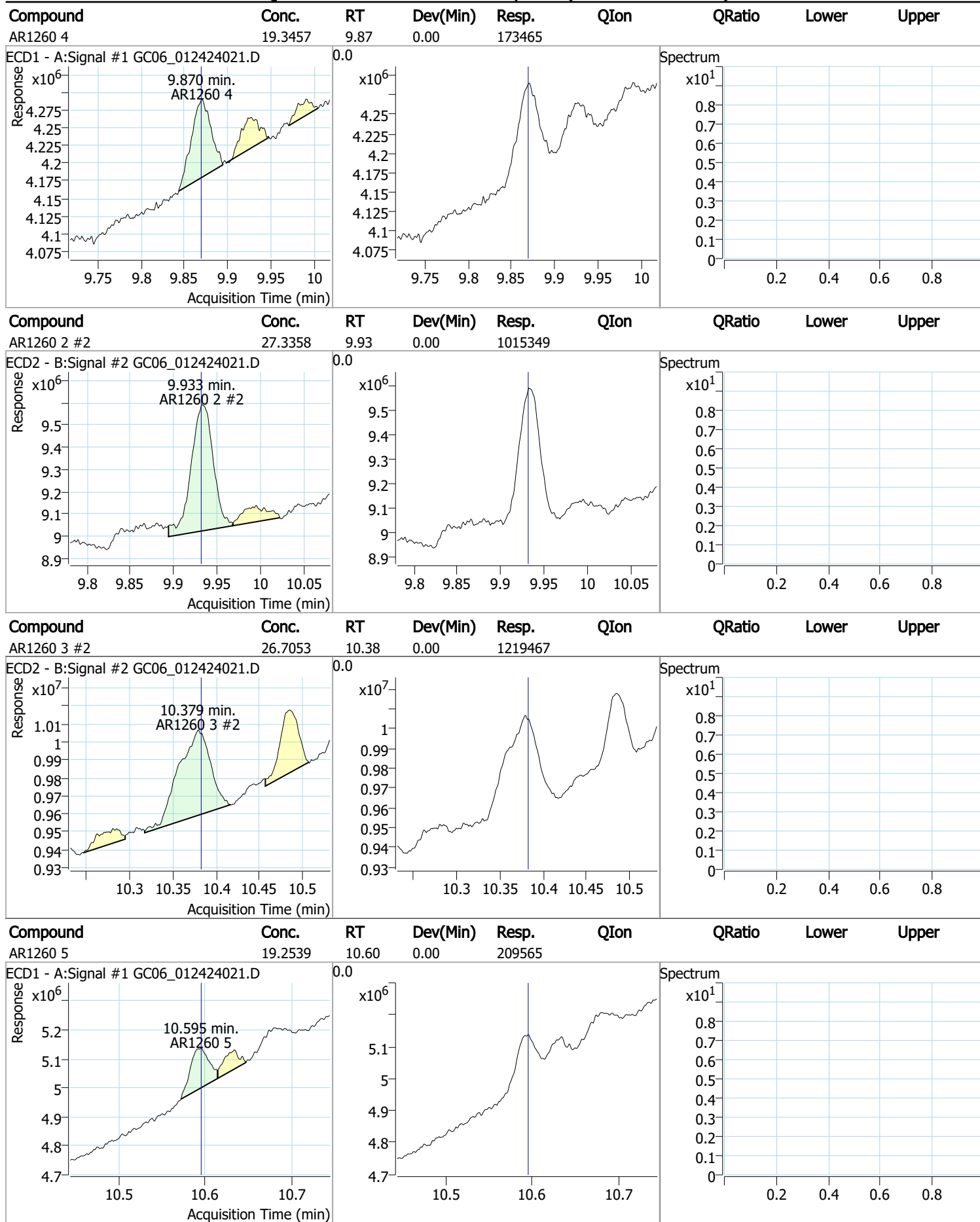
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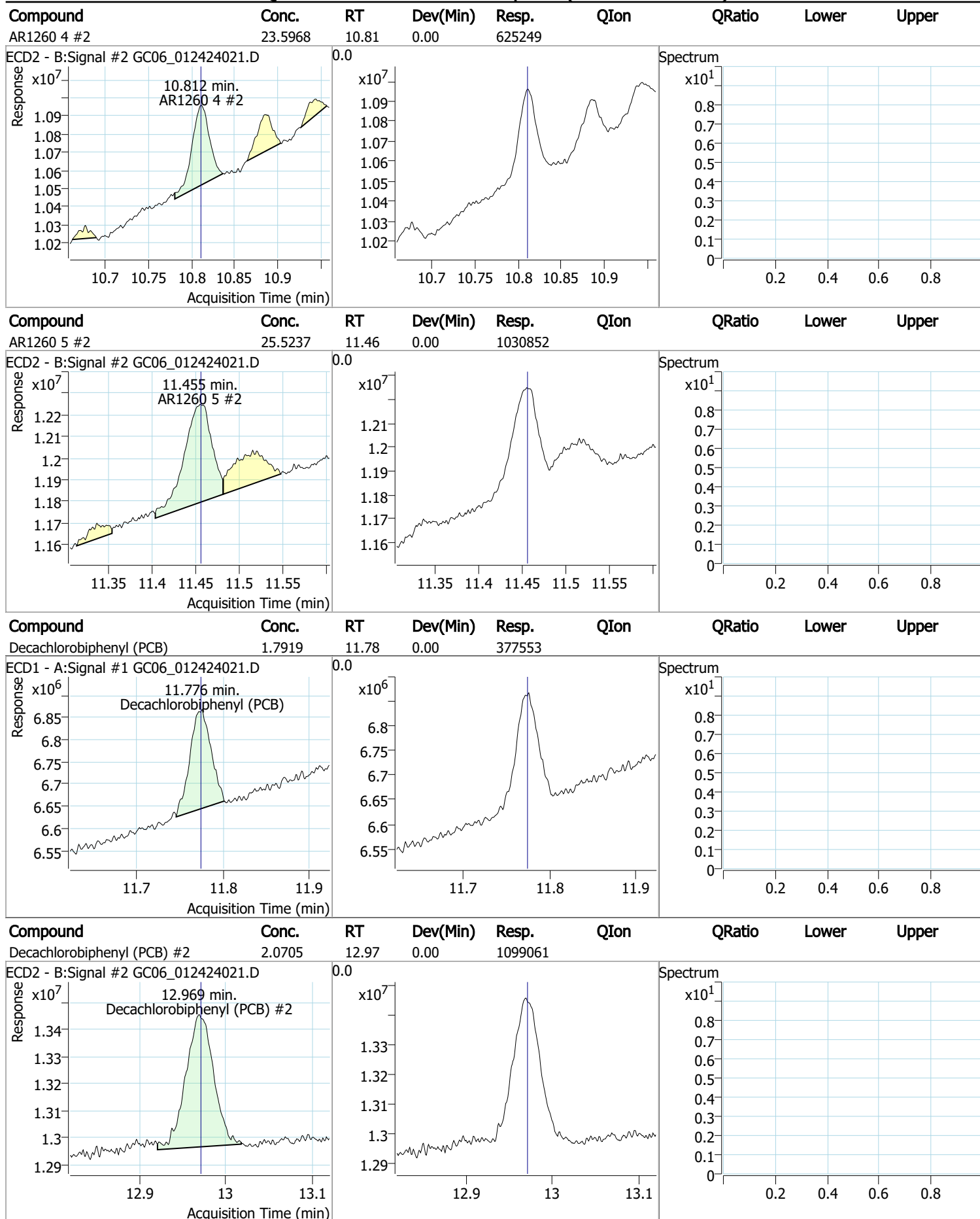
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Quantitation Results Report (Not Reviewed)

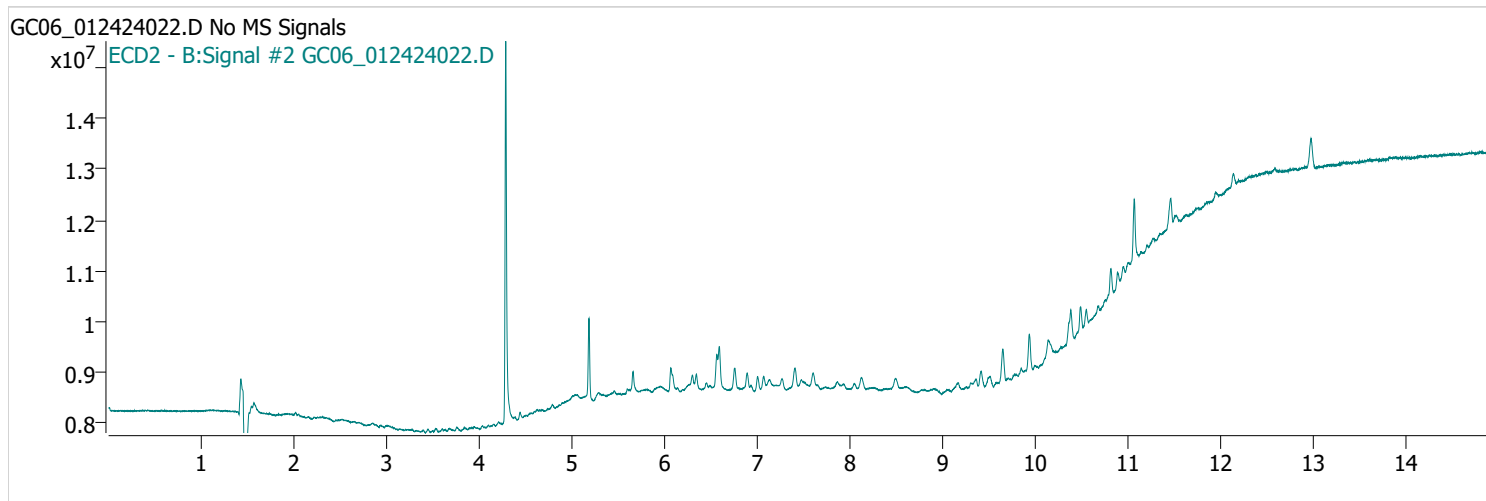
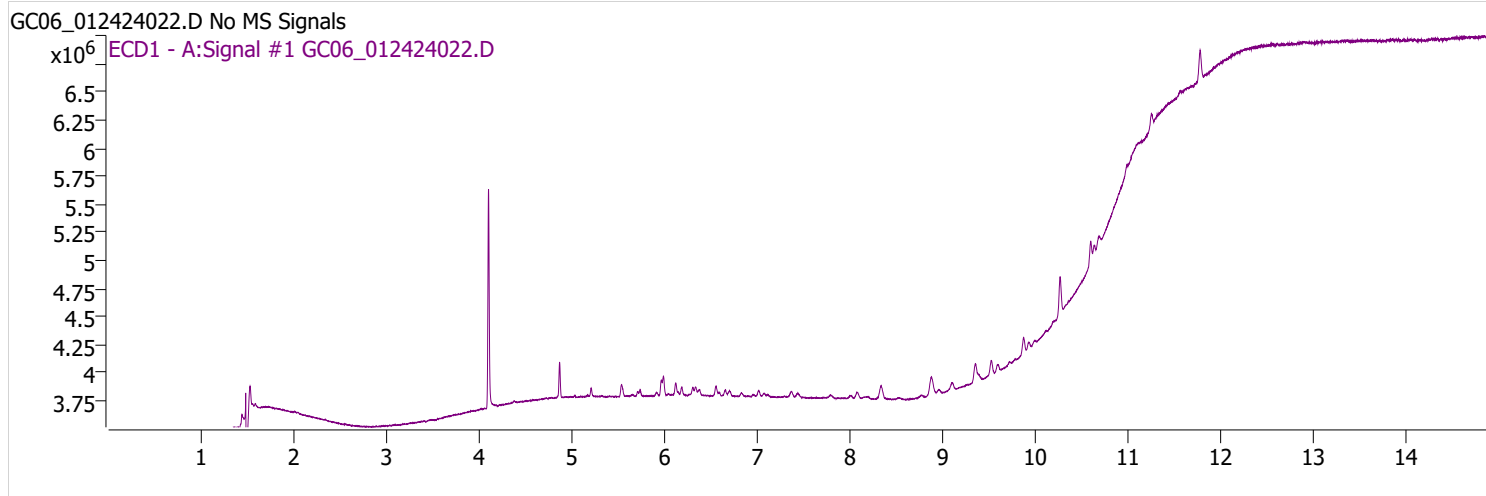


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC06_012424022.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 4:03:37 PM
Sample Name	ICAL, S19332	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:35:37 PM
Ref Library			



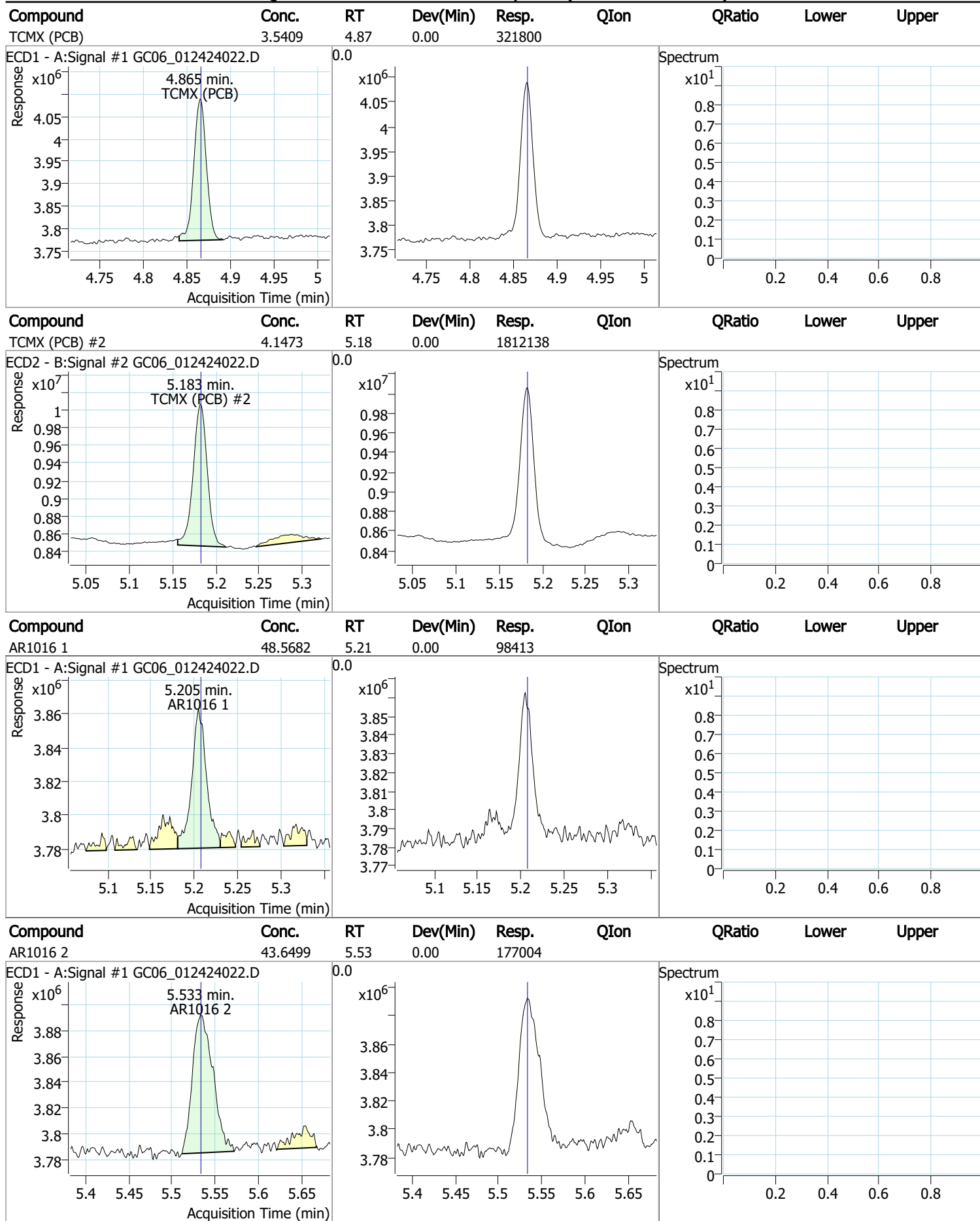
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.098	0.0	1972855.429	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.284	0.0	8860519.965	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.865	0.0	321799.737	3.5409	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 17.70%		*
S TCMX (PCB) #2	5.183	0.0	1812138.122	4.1473	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.74%		*
S Decachlorobiphenyl (PCB)	11.773	0.0	497105.367	3.3678	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 16.84%		*
S Decachlorobiphenyl (PCB) #2	12.970	0.0	1339204.770	3.3951	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 16.98%		*
Target Compounds						QValue
T AR1016 1	5.205	0.0	98412.506	48.5682	ng/ml	100

Quantitation Results Report (Not Reviewed)

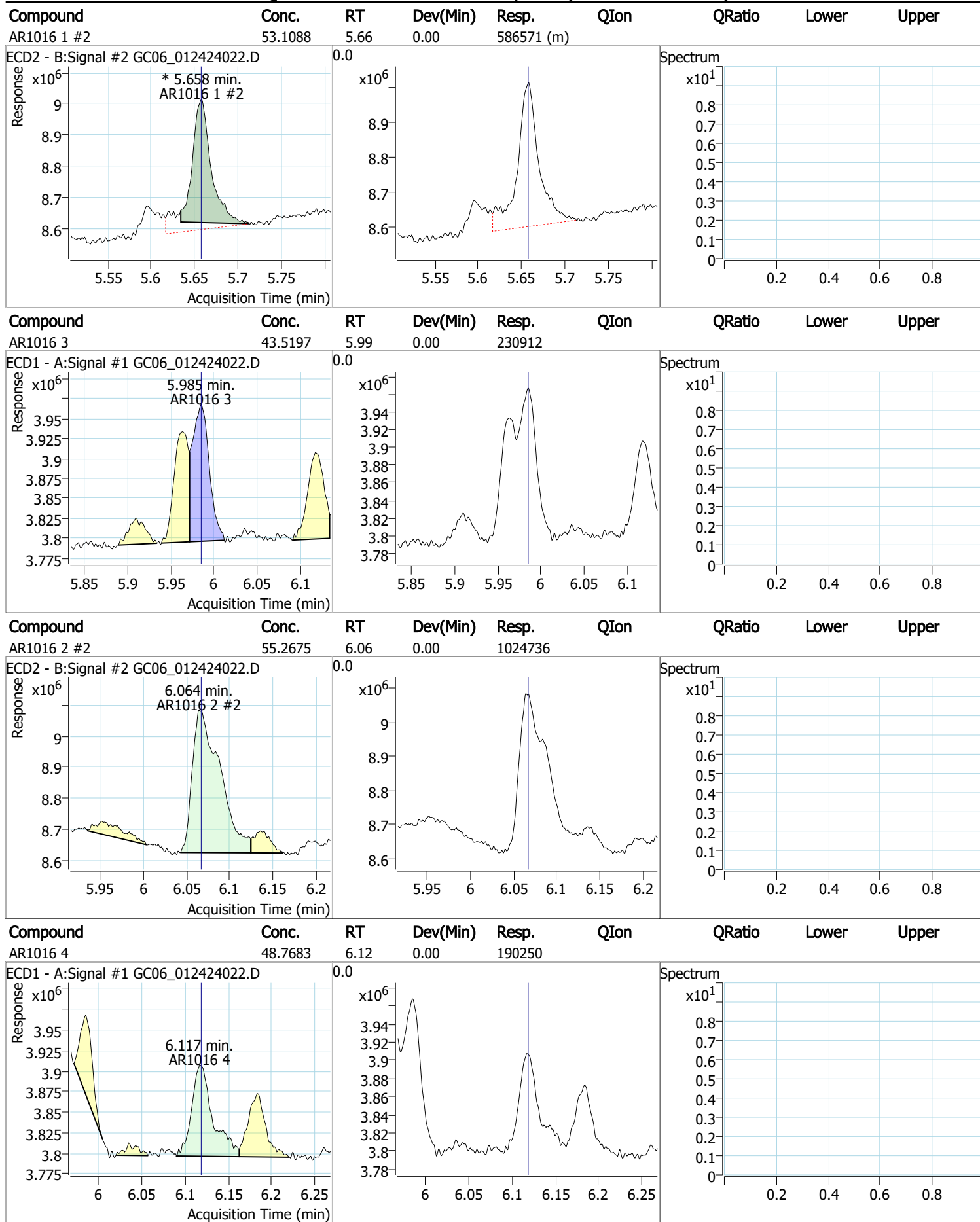
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.533	0.0	177004.474	43.6499	ng/ml	100
T AR1016 1 #2	5.658	0.0	586571.391	53.1088	ng/ml m	100
T AR1016 3	5.985	0.0	230911.765	43.5197	ng/ml	100
T AR1016 2 #2	6.064	0.0	1024736.24 6	55.2675	ng/ml	100
T AR1016 4	6.117	0.0	190249.799	48.7683	ng/ml	100
T AR1016 5	6.553	0.0	142747.102	43.6377	ng/ml	100
T AR1016 3 #2	6.588	0.0	1475253.62 8	58.9478	ng/ml	100
T AR1016 4 #2	6.757	0.0	797157.664	45.3829	ng/ml	100
T AR1016 5 #2	7.406	0.0	845751.305	54.7132	ng/ml	100
T AR1260 1	8.333	0.0	298393.384	42.8017	ng/ml	100
T AR1260 2	8.876	0.0	437272.088	41.5861	ng/ml	100
T AR1260 3	9.350	0.0	413418.524	36.1953	ng/ml	100
T AR1260 1 #2	9.646	0.0	1300399.53 8	54.4670	ng/ml	100
T AR1260 4	9.869	0.0	240047.609	38.2159	ng/ml	100
T AR1260 2 #2	9.932	0.0	1321832.29 3	47.8906	ng/ml	100
T AR1260 3 #2	10.379	0.0	1412785.69 1	41.6353	ng/ml	100
T AR1260 5	10.593	0.0	301314.563	39.5178	ng/ml	100
T AR1260 4 #2	10.813	0.0	860644.929	43.7100	ng/ml	100
T AR1260 5 #2	11.458	0.0	1344436.79 4	44.7965	ng/ml	100

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

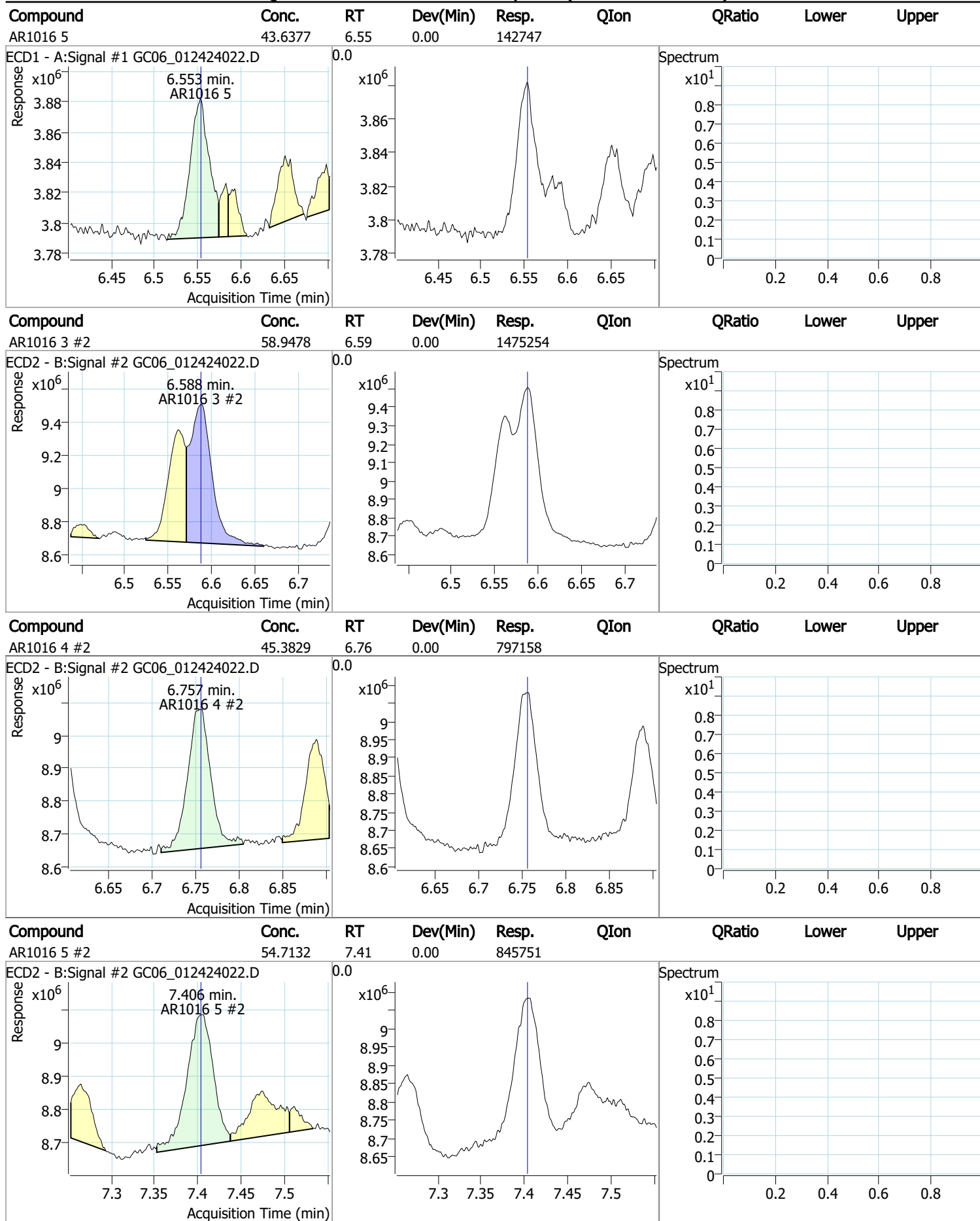
Quantitation Results Report (Not Reviewed)



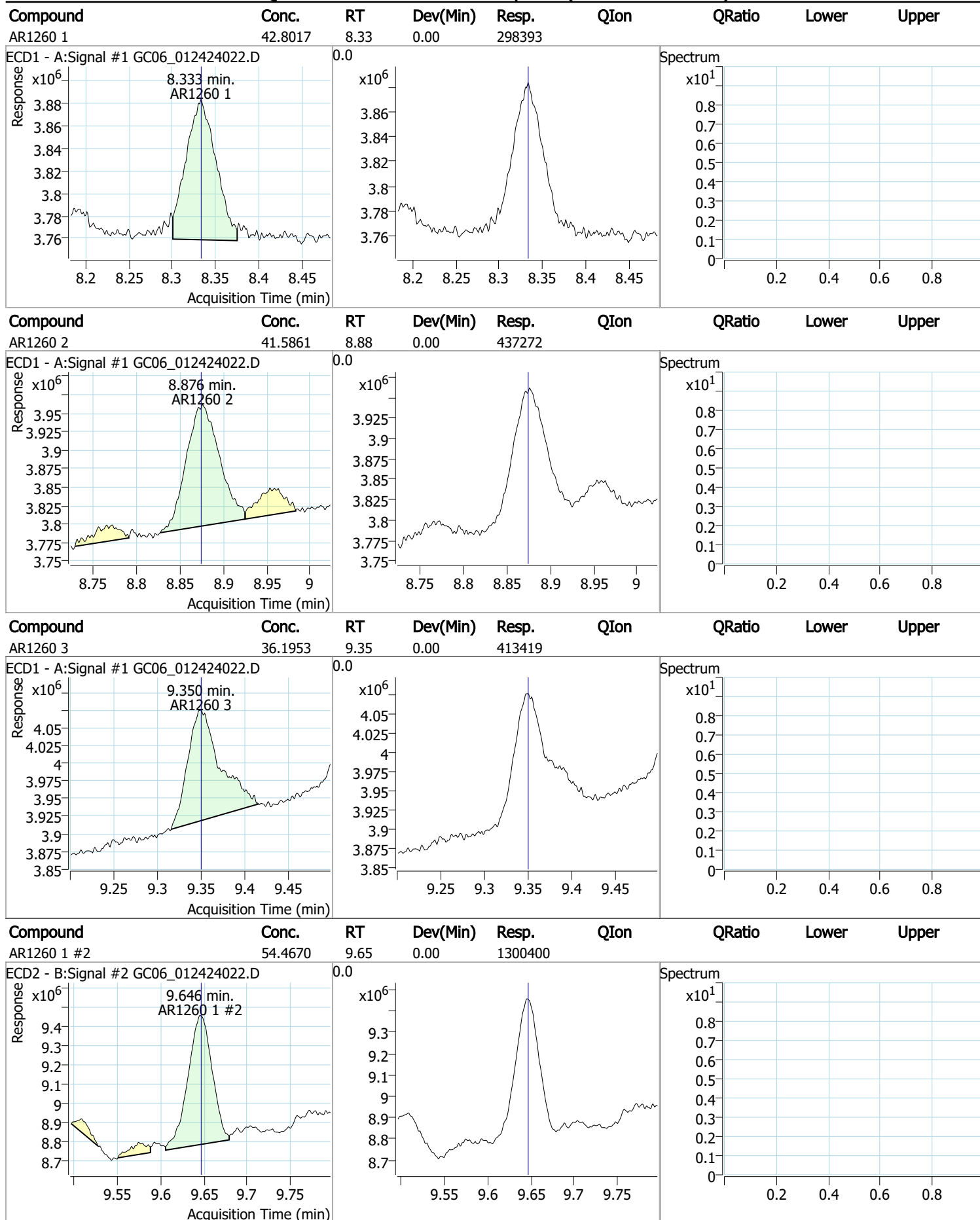
Quantitation Results Report (Not Reviewed)



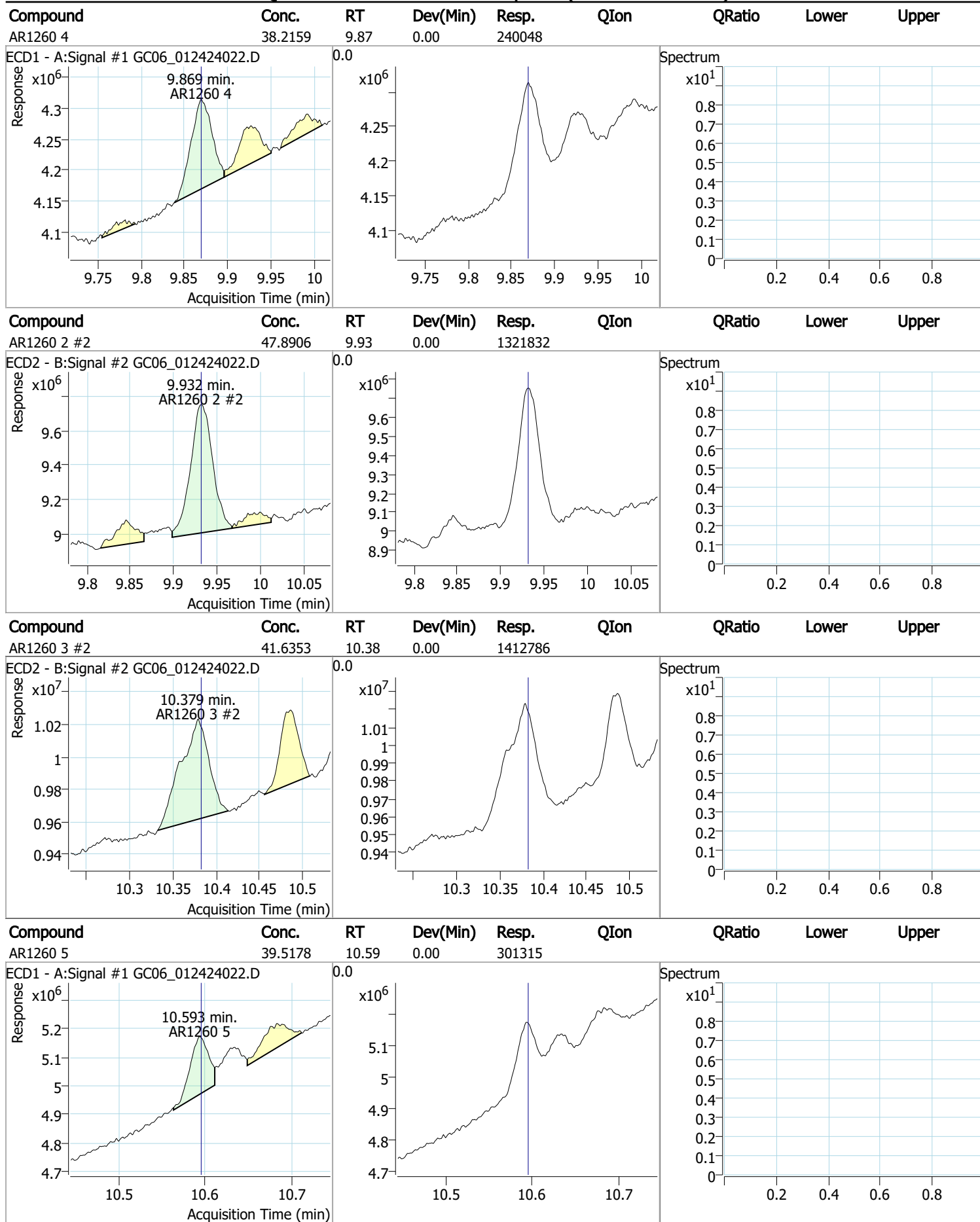
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

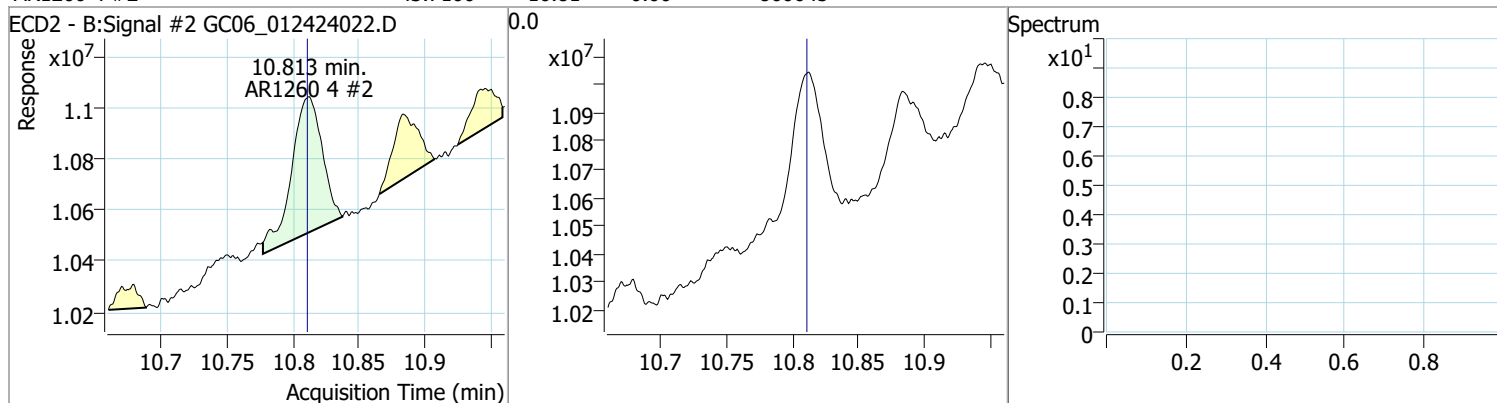


Quantitation Results Report (Not Reviewed)

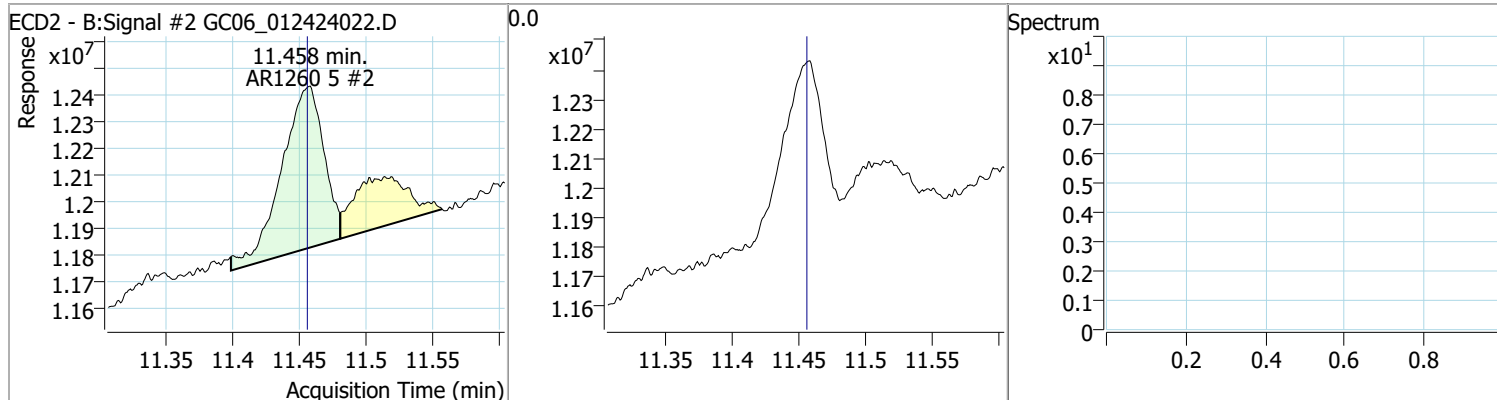


Quantitation Results Report (Not Reviewed)

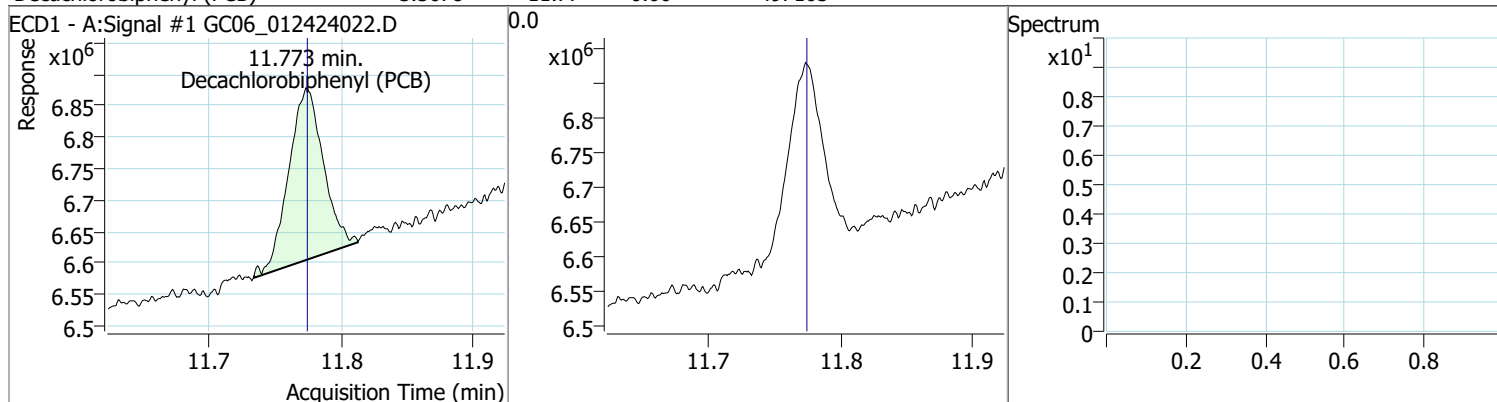
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	43.7100	10.81	0.00	860645				



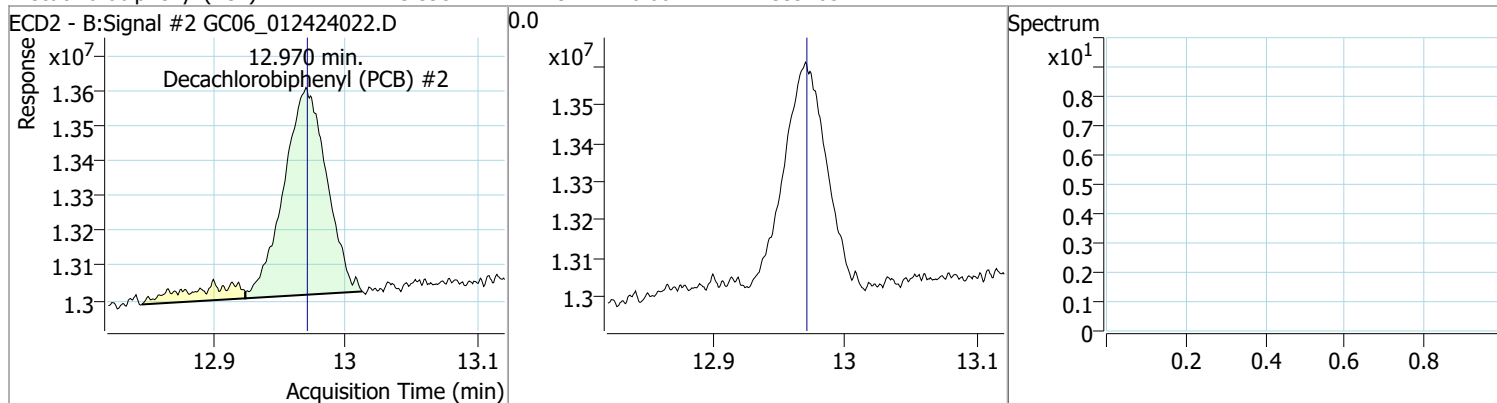
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	44.7965	11.46	0.00	1344437				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	3.3678	11.77	0.00	497105				

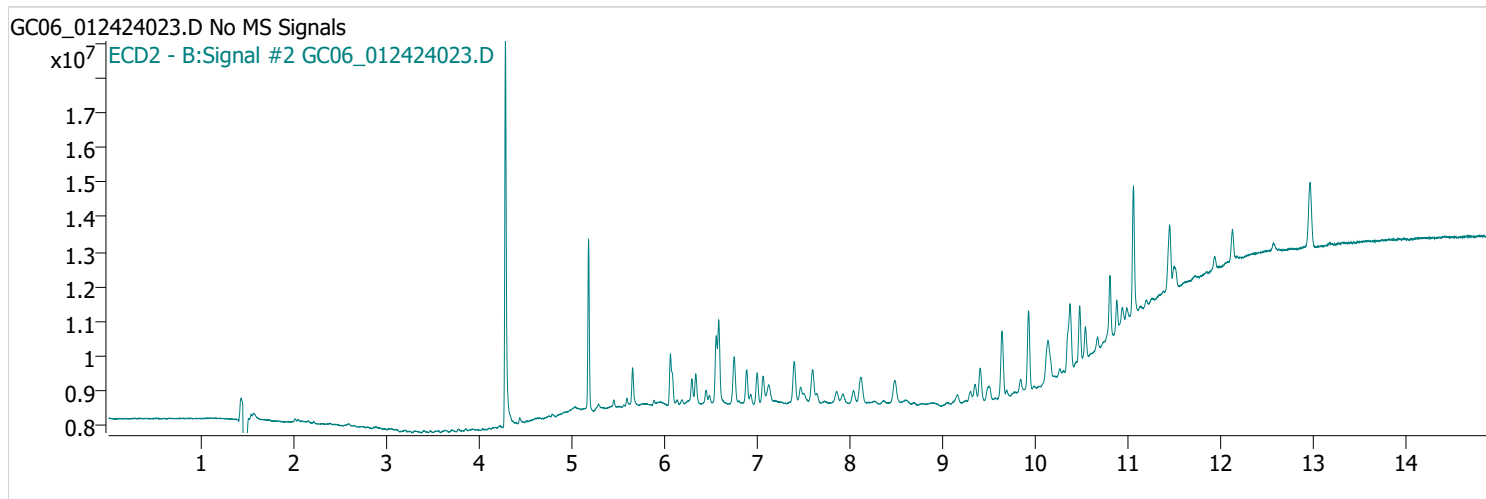
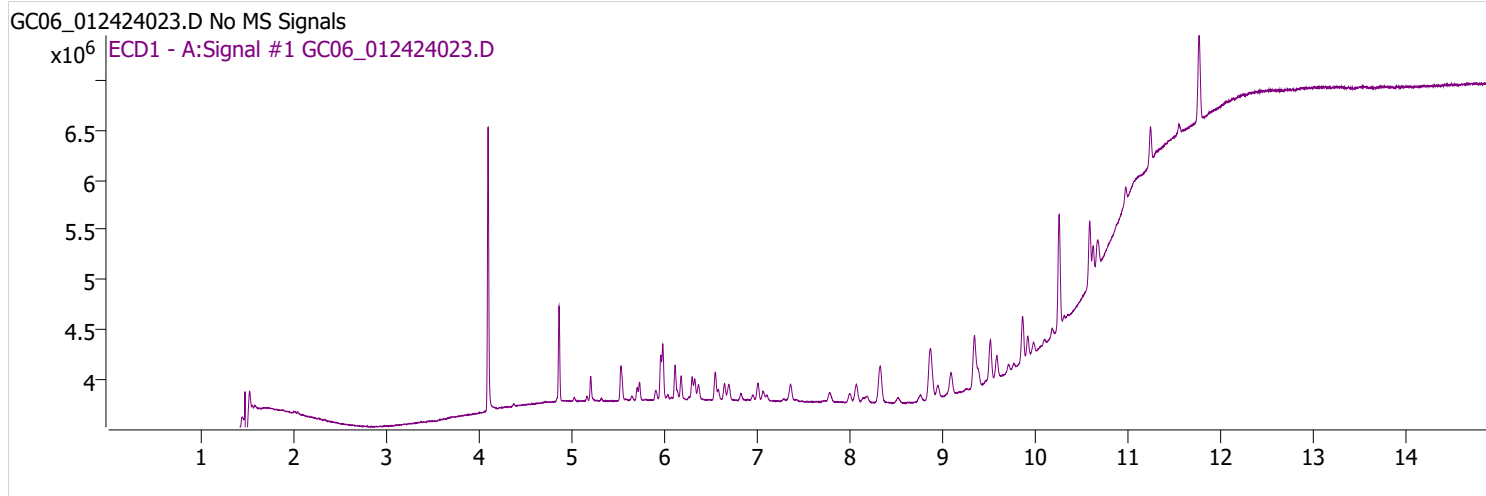


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	3.3951	12.97	0.00	1339205				



Quantitation Results Report (Not Reviewed)

Data File	GC06_012424023.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 4:23:26 PM
Sample Name	ICAL, S19333	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:35:37 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.097	0.0	2923719.035	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.283	0.0	13442931.601	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.863	0.0	1012247.958	7.5157	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 37.58%	*	
S TCMX (PCB) #2	5.181	0.0	5342815.686	8.0595	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.30%	*	
S Decachlorobiphenyl (PCB)	11.771	0.0	1523277.664	6.9637	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 34.82%	*	
S Decachlorobiphenyl (PCB) #2	12.970	0.0	4365074.035	7.2939	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 36.47%	*	

Target Compounds

QValue

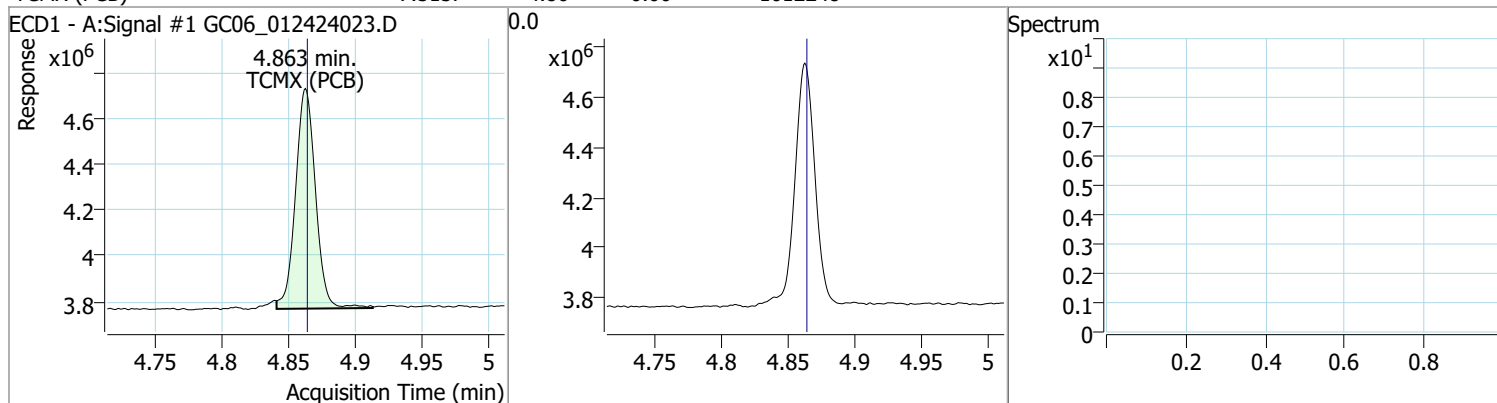
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.205	0.0	306566.791	102.0908	ng/ml	m 100
T AR1016 2	5.531	0.0	584508.323	97.2633	ng/ml	100
T AR1016 1 #2	5.657	0.0	1708304.081	101.9473	ng/ml	m 100
T AR1016 3	5.983	0.0	755600.880	96.0930	ng/ml	100
T AR1016 2 #2	6.065	0.0	2984444.063	106.0929	ng/ml	100
T AR1016 4	6.116	0.0	538280.187	93.1068	ng/ml	100
T AR1016 5	6.548	0.0	443815.540	91.5497	ng/ml	100
T AR1016 3 #2	6.586	0.0	3961934.631	104.3455	ng/ml	100
T AR1016 4 #2	6.753	0.0	2575340.536	96.6380	ng/ml	100
T AR1016 5 #2	7.401	0.0	2424493.106	103.3798	ng/ml	100
T AR1260 1	8.329	0.0	970740.391	93.9581	ng/ml	100
T AR1260 2	8.872	0.0	1448652.495	92.9652	ng/ml	100
T AR1260 3	9.348	0.0	1501212.693	88.6880	ng/ml	100
T AR1260 1 #2	9.644	0.0	3723641.063	102.7991	ng/ml	100
T AR1260 4	9.866	0.0	806954.429	86.6872	ng/ml	100
T AR1260 2 #2	9.930	0.0	3973218.288	94.8816	ng/ml	100
T AR1260 3 #2	10.379	0.0	4773595.153	92.7249	ng/ml	100
T AR1260 5	10.591	0.0	996563.585	88.1937	ng/ml	100
T AR1260 4 #2	10.809	0.0	2832176.099	94.8074	ng/ml	m 100
T AR1260 5 #2	11.453	0.0	4184304.951	91.8952	ng/ml	100

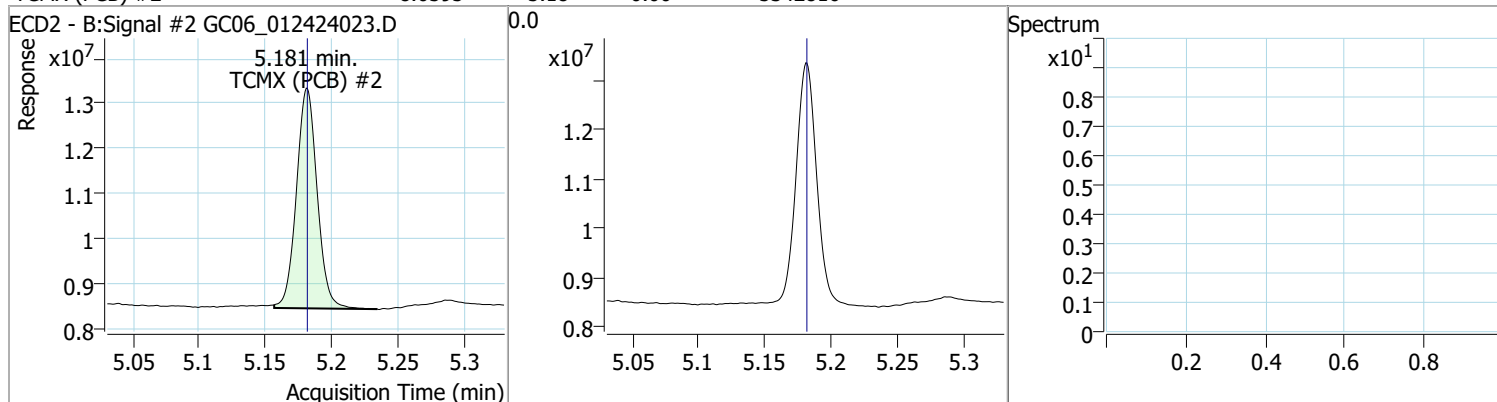
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

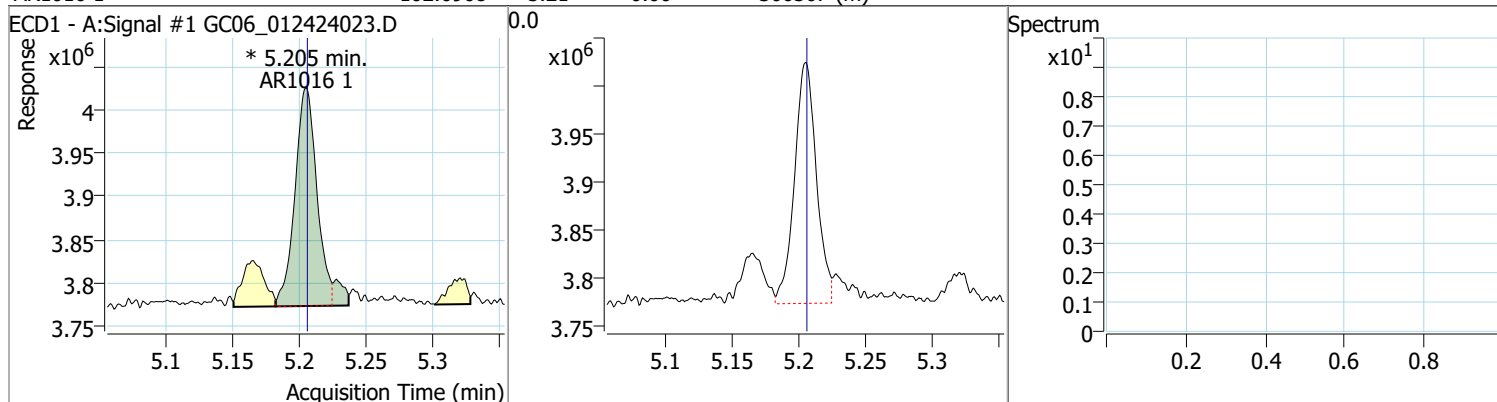
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.5157	4.86	0.00	1012248				



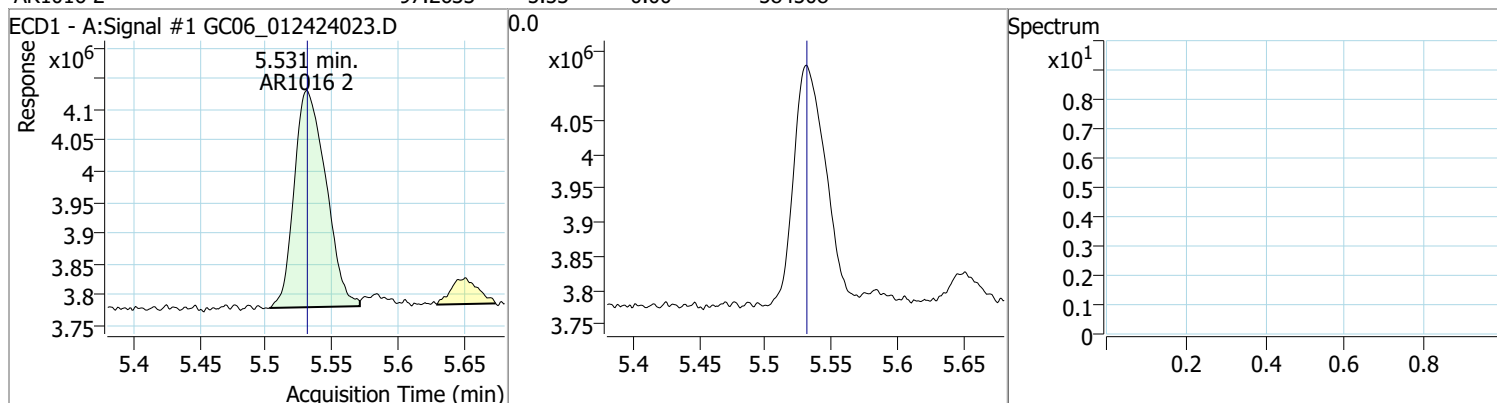
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.0595	5.18	0.00	5342816				



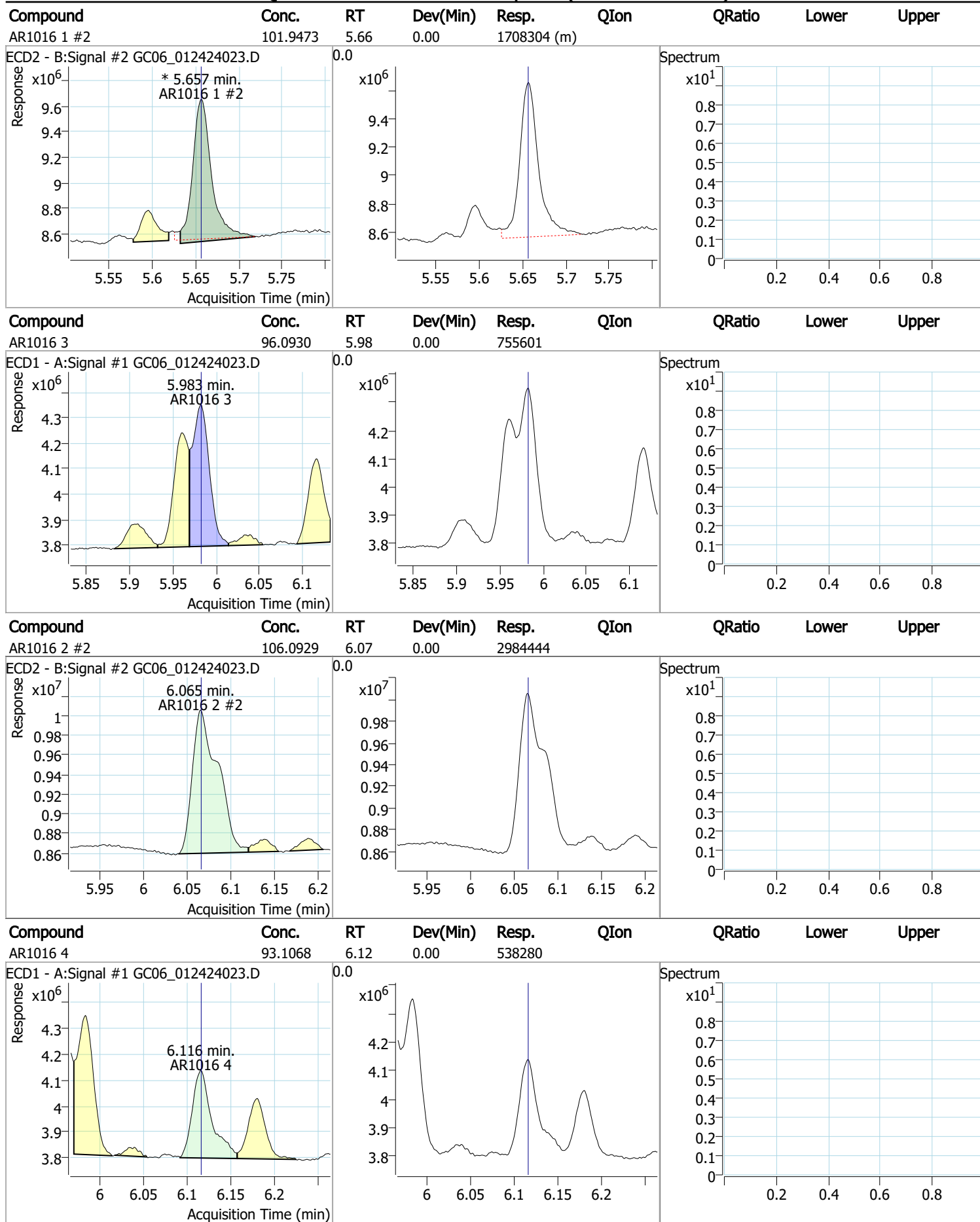
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	102.0908	5.21	0.00	306567 (m)				



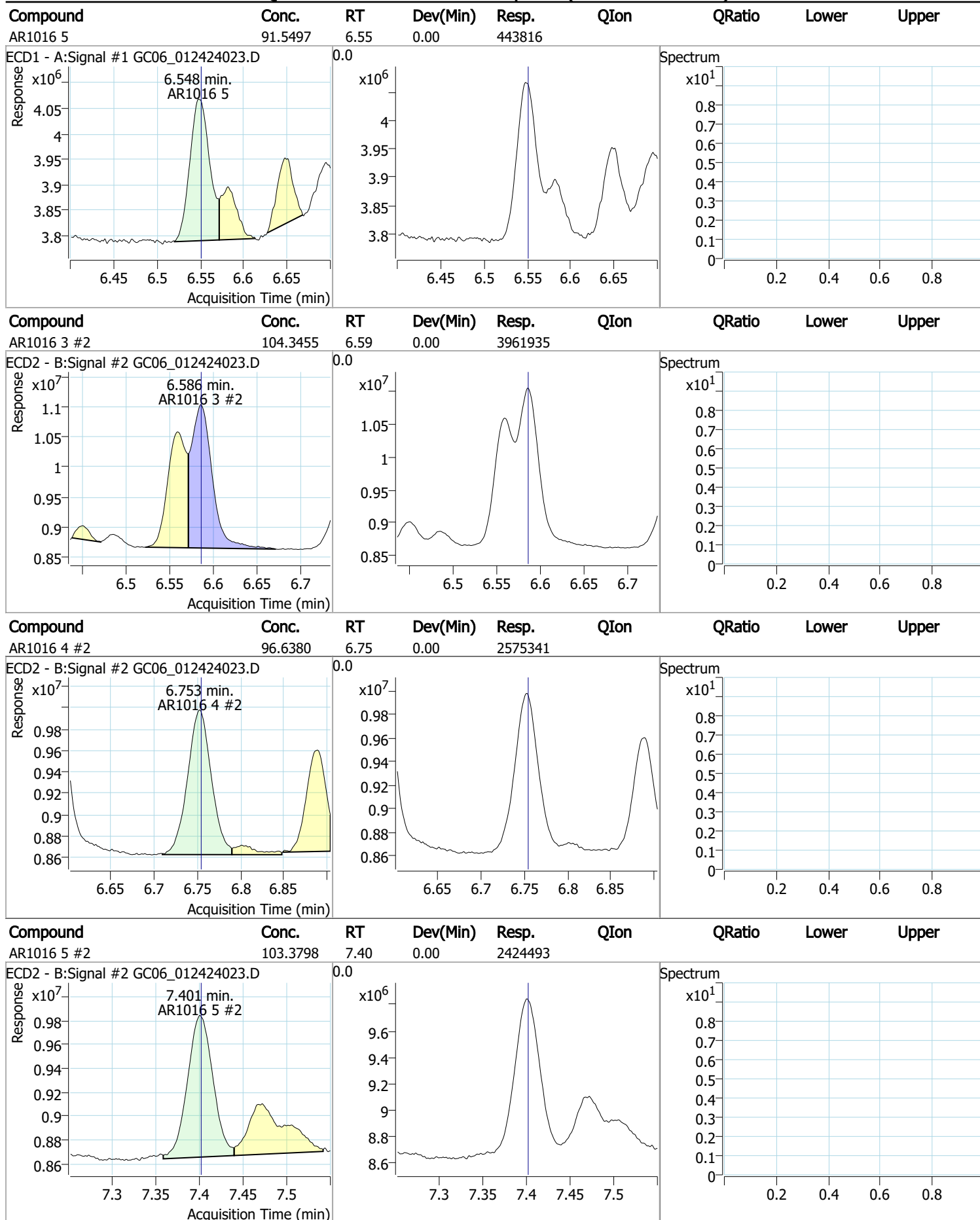
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	97.2633	5.53	0.00	584508				



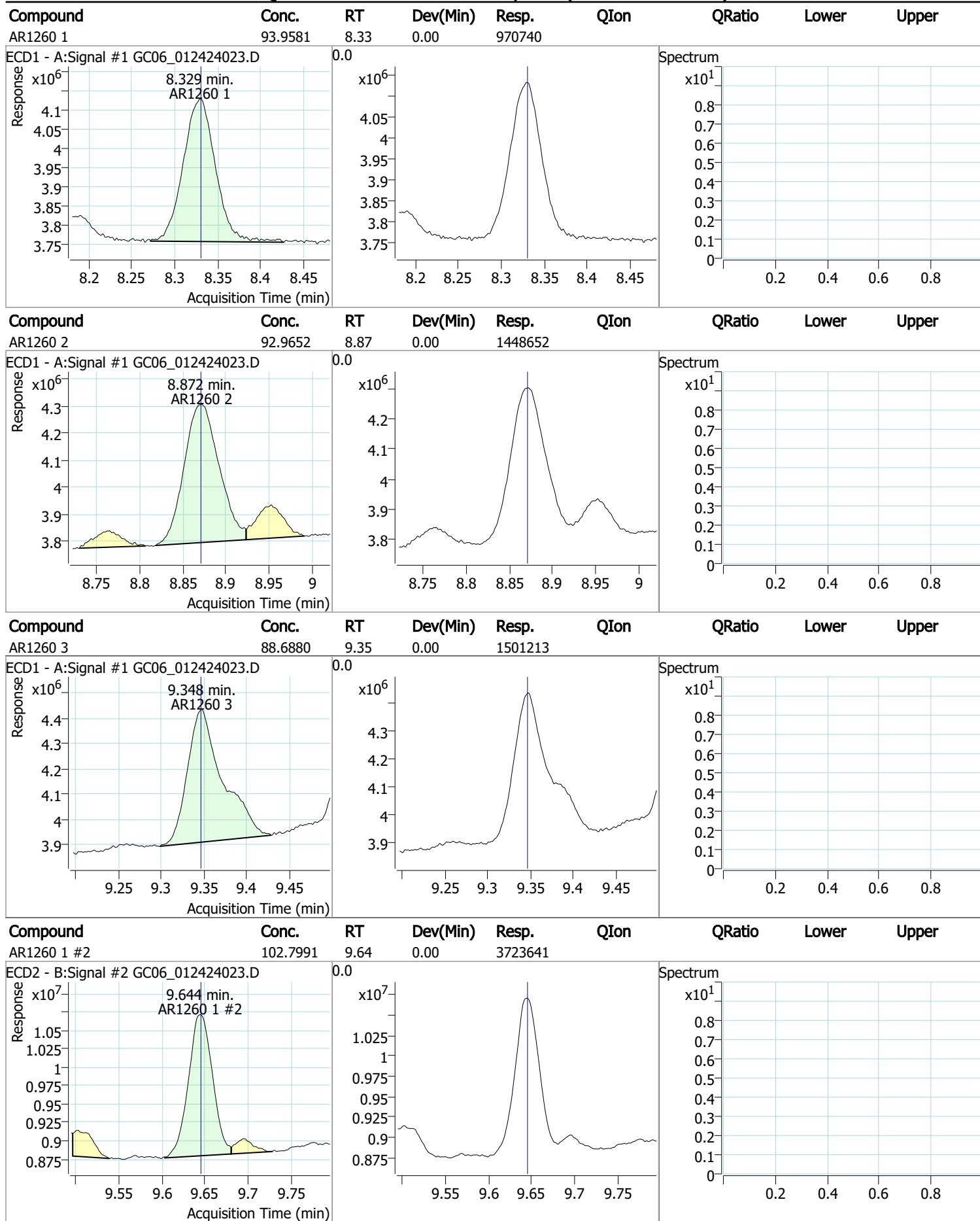
Quantitation Results Report (Not Reviewed)



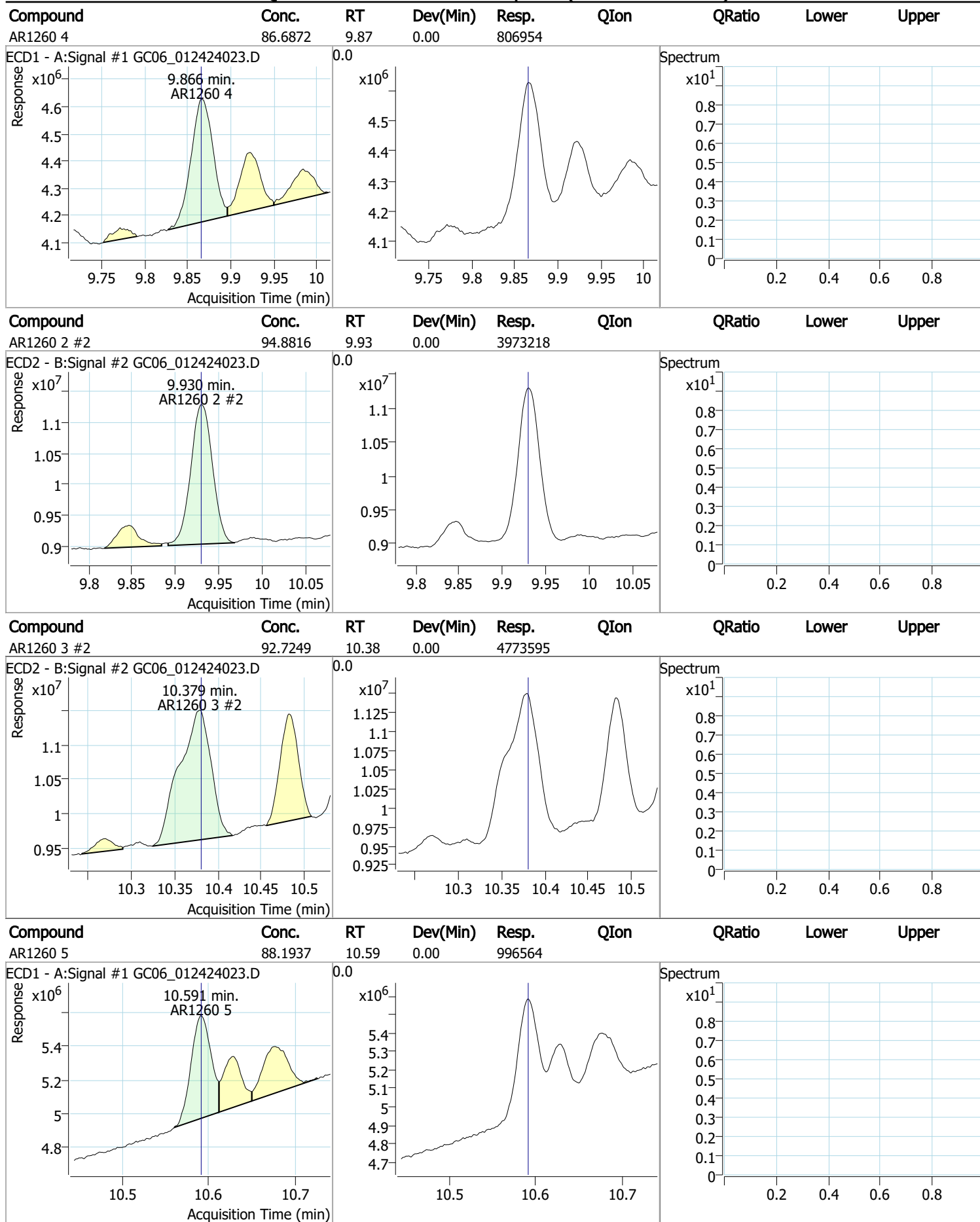
Quantitation Results Report (Not Reviewed)



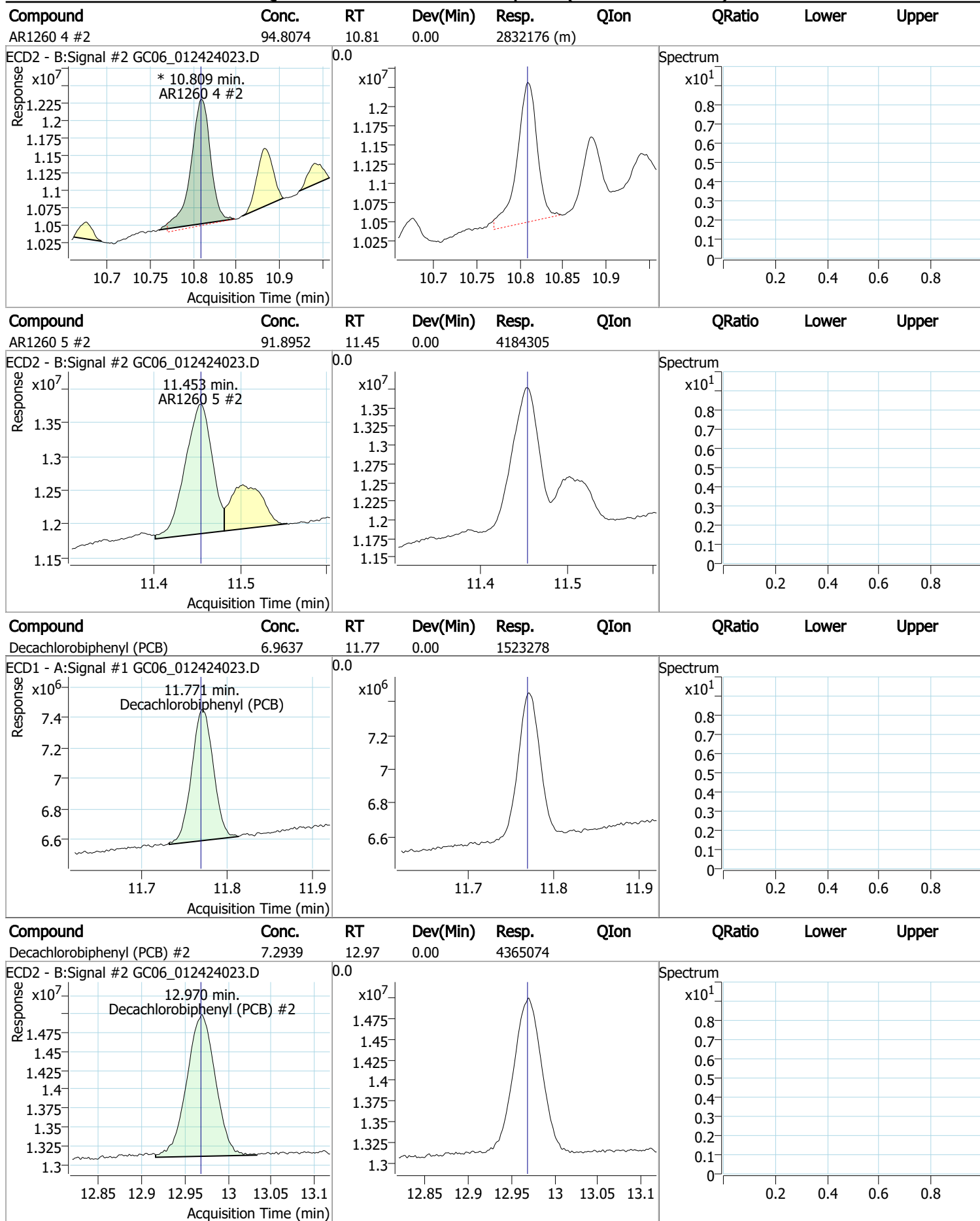
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



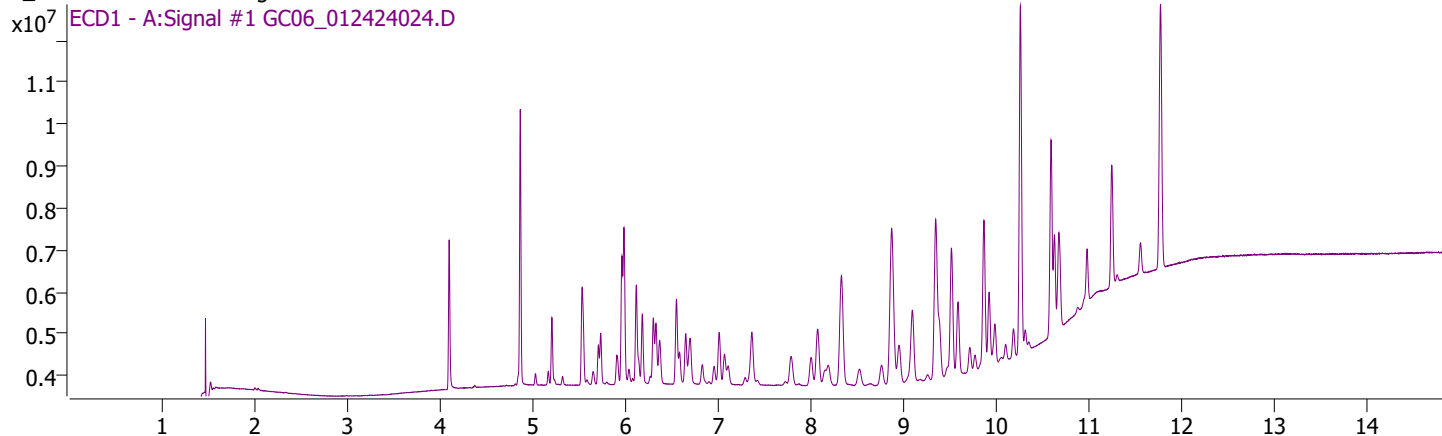
Quantitation Results Report (Not Reviewed)



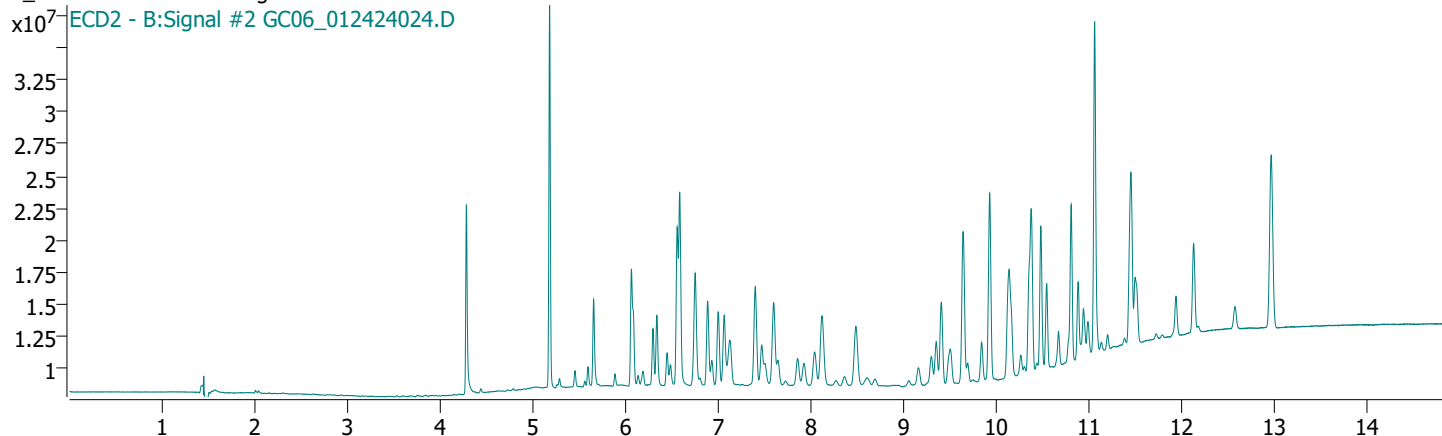
Quantitation Results Report (Not Reviewed)

Data File	GC06_012424024.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 4:44:13 PM
Sample Name	ICAL, S19340	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:35:37 PM
Ref Library			

GC06_012424024.D No MS Signals



GC06_012424024.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.098	0.0	3761113.128	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.283	0.0	17255016.874	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.865	0.0	6880160.077	39.7101	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.55%	*	
S TCMX (PCB) #2	5.182	0.0	32170944.861	37.8079	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.04%	*	
S Decachlorobiphenyl (PCB)	11.775	0.0	11826814.852	42.0286	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.14%	*	
S Decachlorobiphenyl (PCB) #2	12.969	0.0	31985897.771	41.6394	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.20%	*	

Target Compounds

QValue

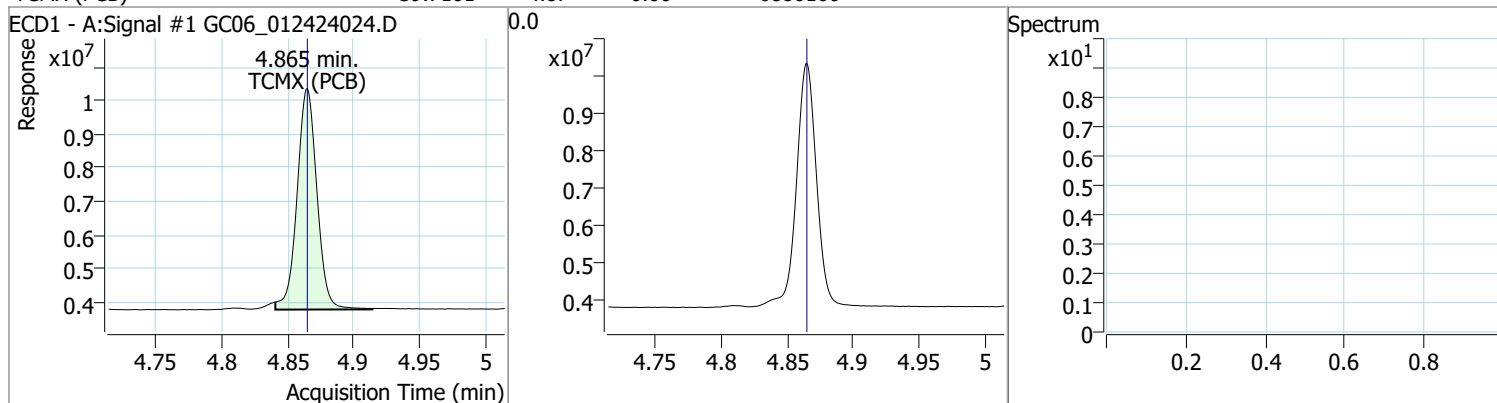
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.206	0.0	1936885.19 5	501.4003	ng/ml	100
T AR1016 2	5.533	0.0	3882351.16 7	502.1951	ng/ml	100
T AR1016 1 #2	5.657	0.0	9322517.62 5	433.4335	ng/ml	100
T AR1016 3	5.984	0.0	5141598.52 6	508.2961	ng/ml	100
T AR1016 2 #2	6.064	0.0	18521903.2 54	512.9640	ng/ml	100
T AR1016 4	6.117	0.0	3718820.27 9	500.0318	ng/ml	100
T AR1016 5	6.551	0.0	3104852.93 7	497.8685	ng/ml	100
T AR1016 3 #2	6.586	0.0	24274381.5 06	498.0732	ng/ml	100
T AR1016 4 #2	6.753	0.0	17252540.0 41	504.3650	ng/ml	100
T AR1016 5 #2	7.401	0.0	15636674.5 56	519.4426	ng/ml	100
T AR1260 1	8.332	0.0	6861703.72 3	516.2764	ng/ml	100
T AR1260 2	8.873	0.0	10399308.8 53	518.7762	ng/ml	100
T AR1260 3	9.348	0.0	11086521.4 80	509.1397	ng/ml	100
T AR1260 1 #2	9.644	0.0	24169461.8 71	519.8369	ng/ml	100
T AR1260 4	9.869	0.0	6542330.01 5	546.3332	ng/ml	100
T AR1260 2 #2	9.931	0.0	27106546.9 67	504.3039	ng/ml	100
T AR1260 3 #2	10.379	0.0	33018038.4 60	499.6671	ng/ml	100
T AR1260 5	10.593	0.0	7760480.88 6	533.8759	ng/ml	100
T AR1260 4 #2	10.811	0.0	20377731.6 97	531.4424	ng/ml	100
T AR1260 5 #2	11.455	0.0	30256443.7 06	517.6853	ng/ml	100

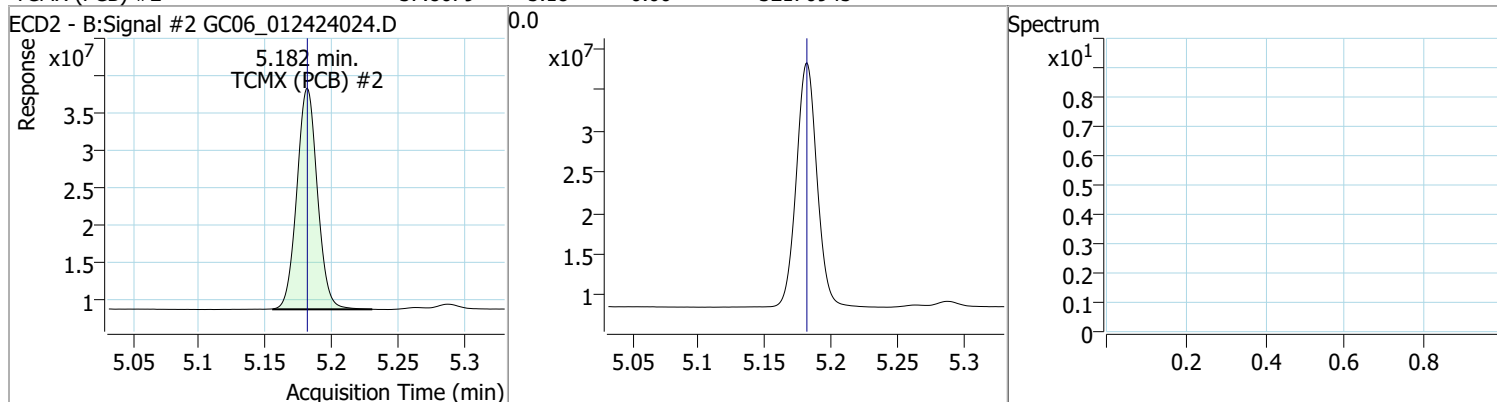
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

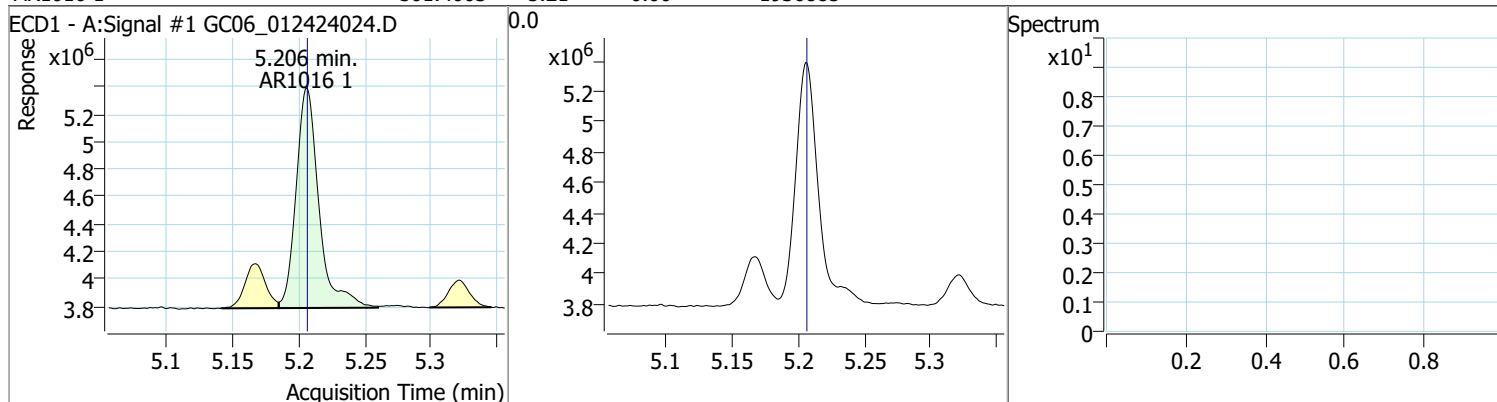
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.7101	4.87	0.00	6880160				



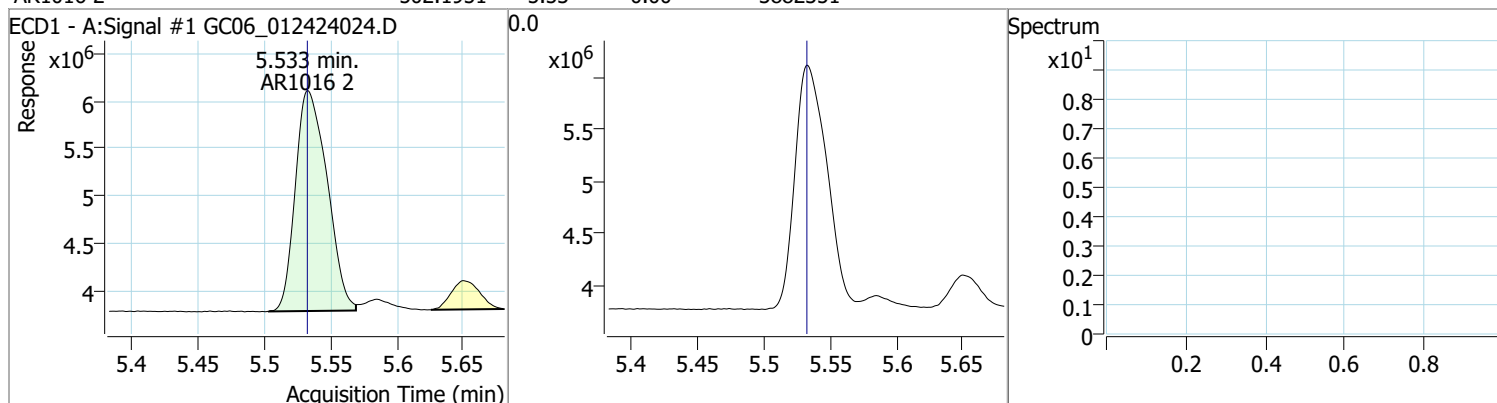
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.8079	5.18	0.00	32170945				



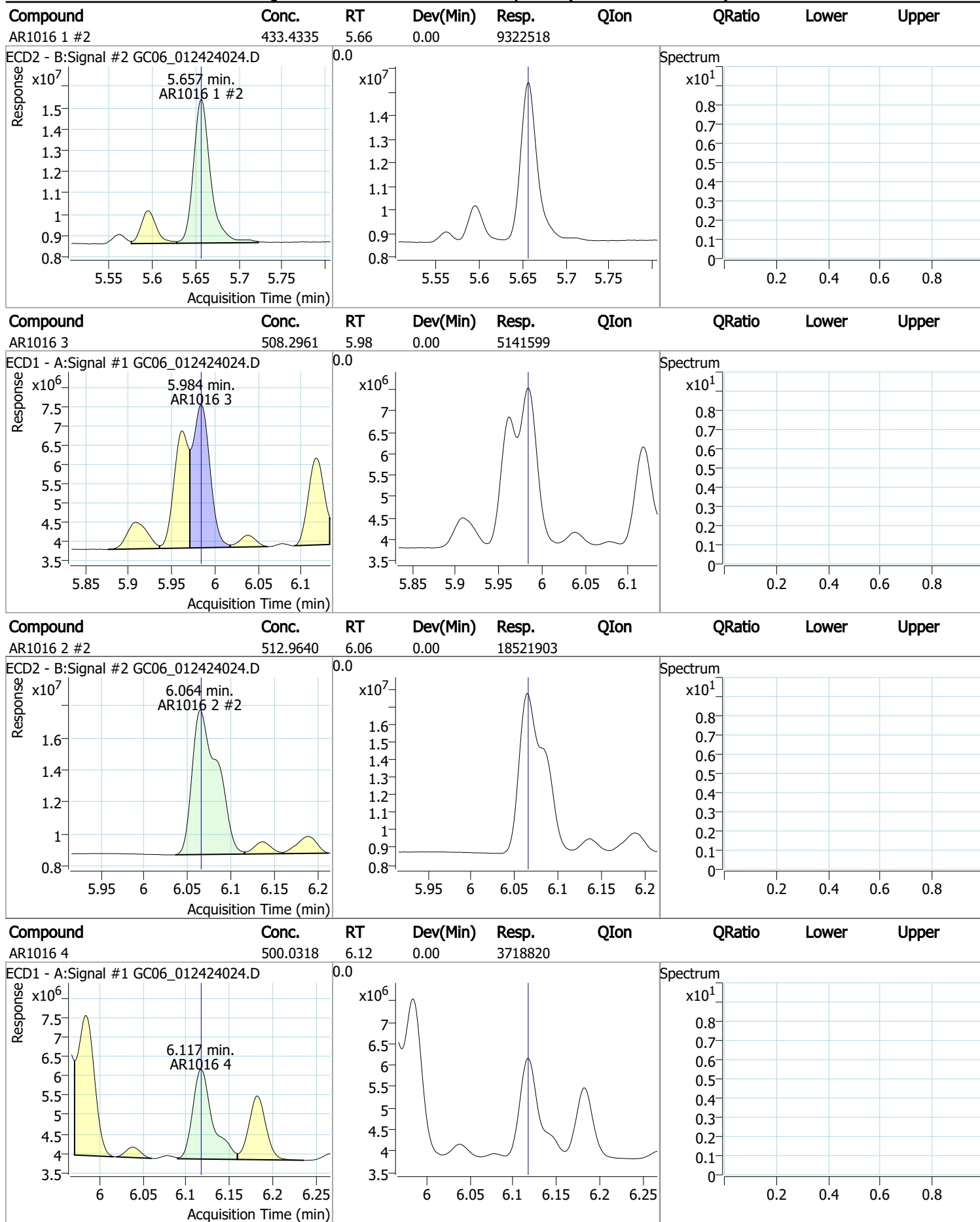
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	501.4003	5.21	0.00	1936885				



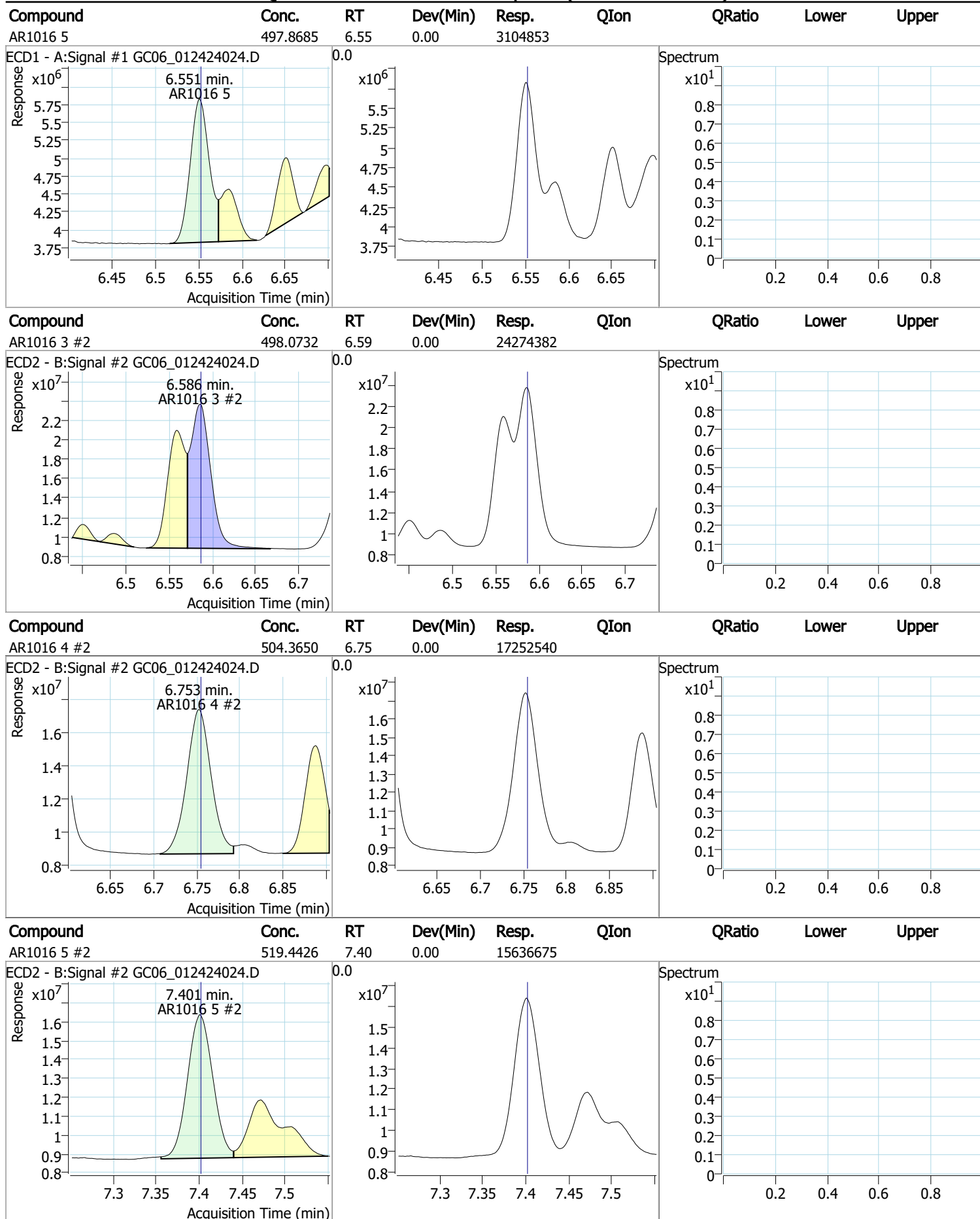
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	502.1951	5.53	0.00	3882351				



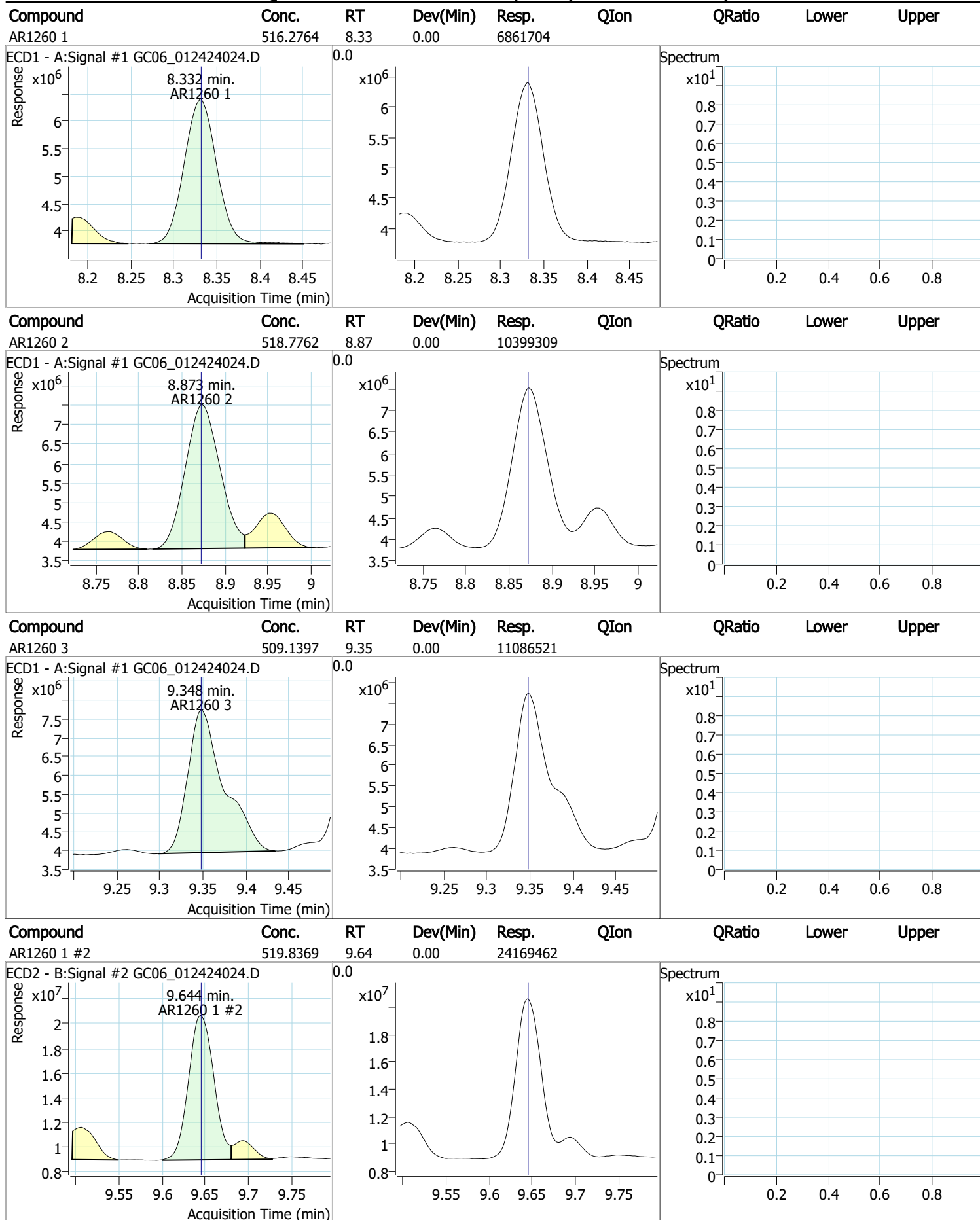
Quantitation Results Report (Not Reviewed)



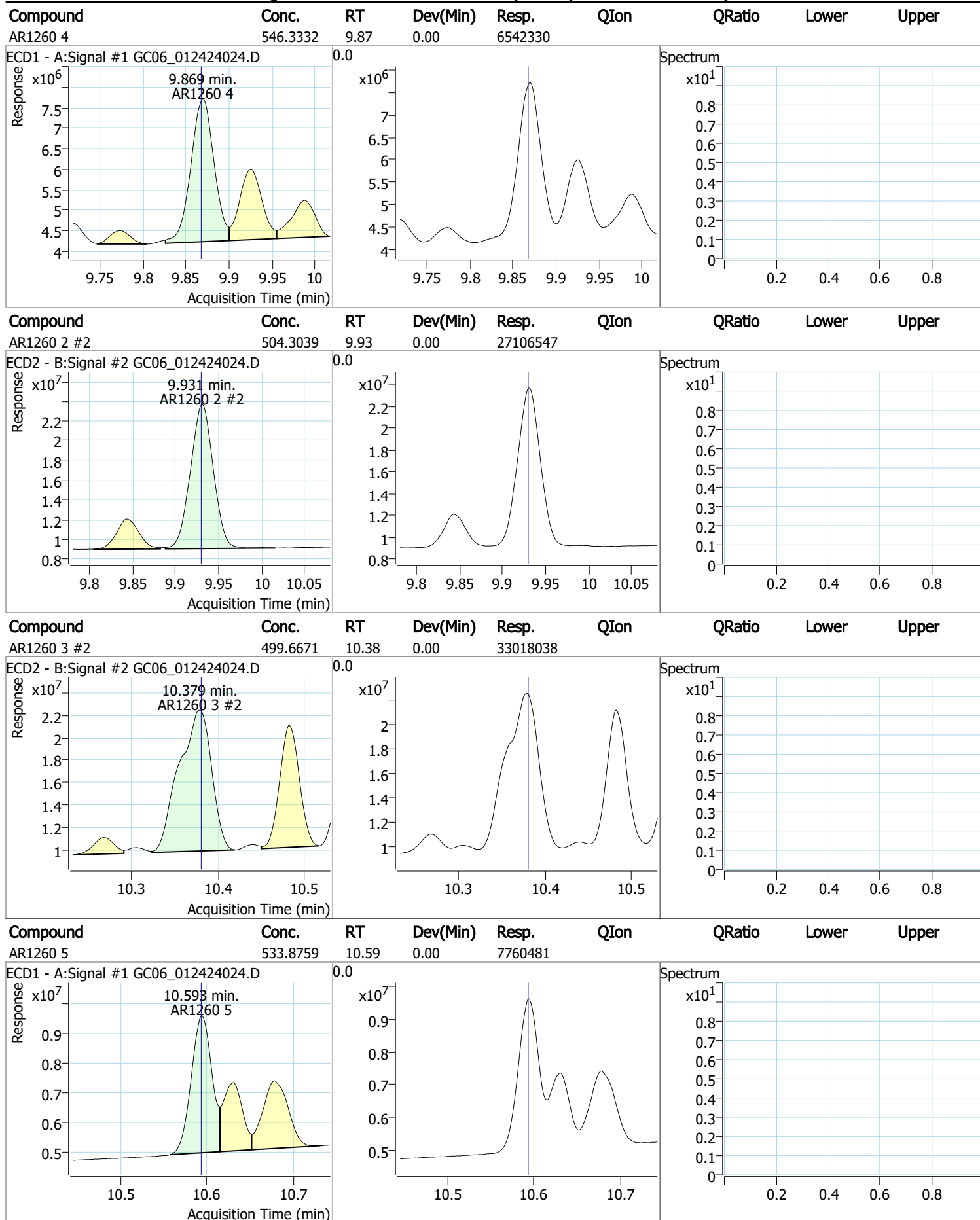
Quantitation Results Report (Not Reviewed)



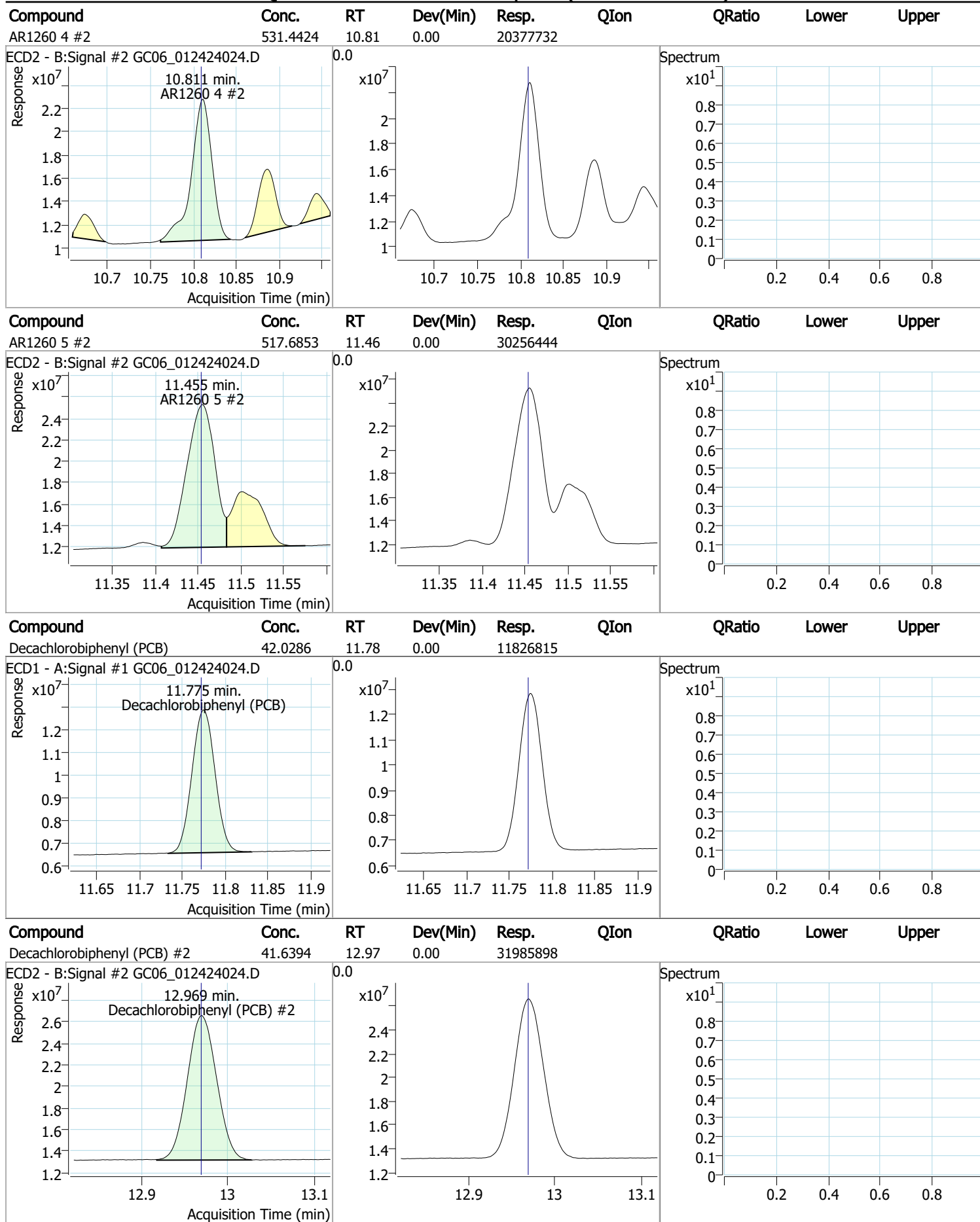
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

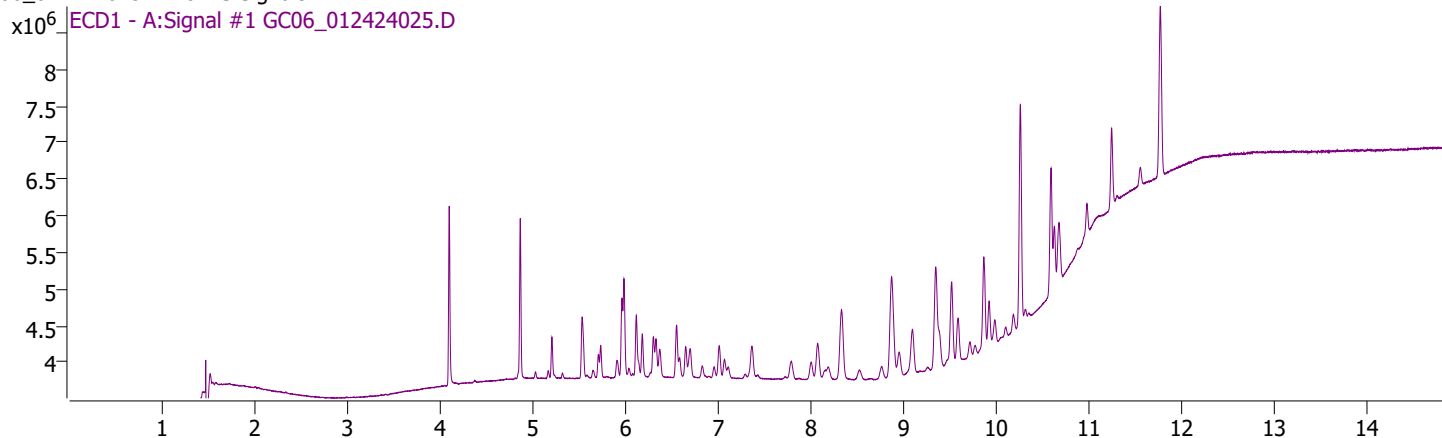


Quantitation Results Report (Not Reviewed)

Data File	GC06_012424025.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 5:05:01 PM
Sample Name	ICAL, S19335	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:35:37 PM
Ref Library			

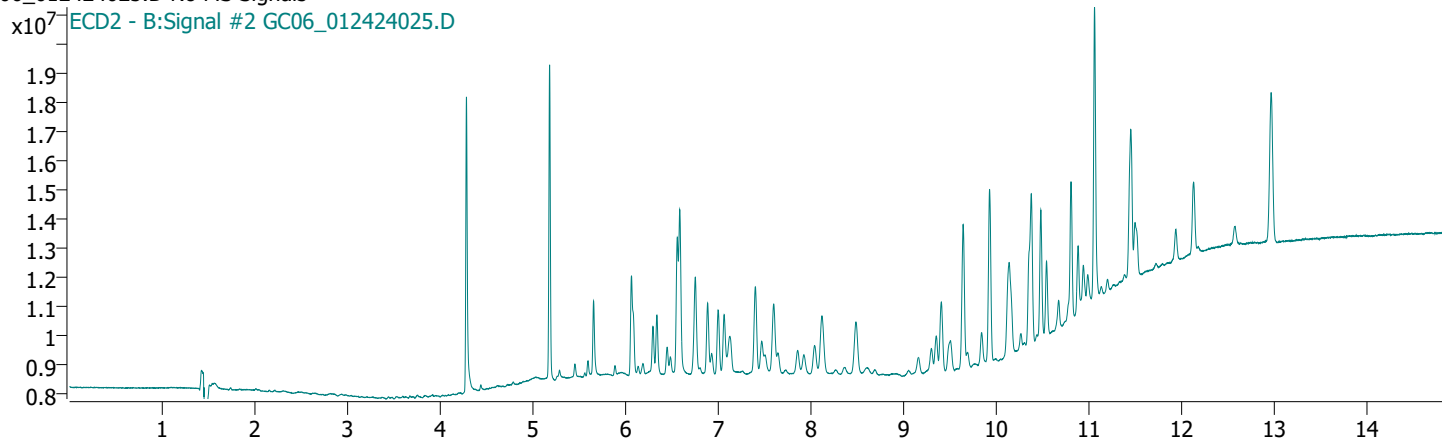
GC06_012424025.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_012424025.D



GC06_012424025.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_012424025.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.098	0.0	2525336.94 1	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.284	0.0	12127449.5 19	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.865	0.0	2341706.44 1	20.1295	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.65%		
S TCMX (PCB) #2	5.182	0.0	11830251.5 03	19.7815	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.91%		
S Decachlorobiphenyl (PCB)	11.773	0.0	4343241.44 2	22.9873	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 114.94%		
S Decachlorobiphenyl (PCB) #2	12.970	0.0	12156341.3 02	22.5162	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 112.58%		

Target Compounds

QValue

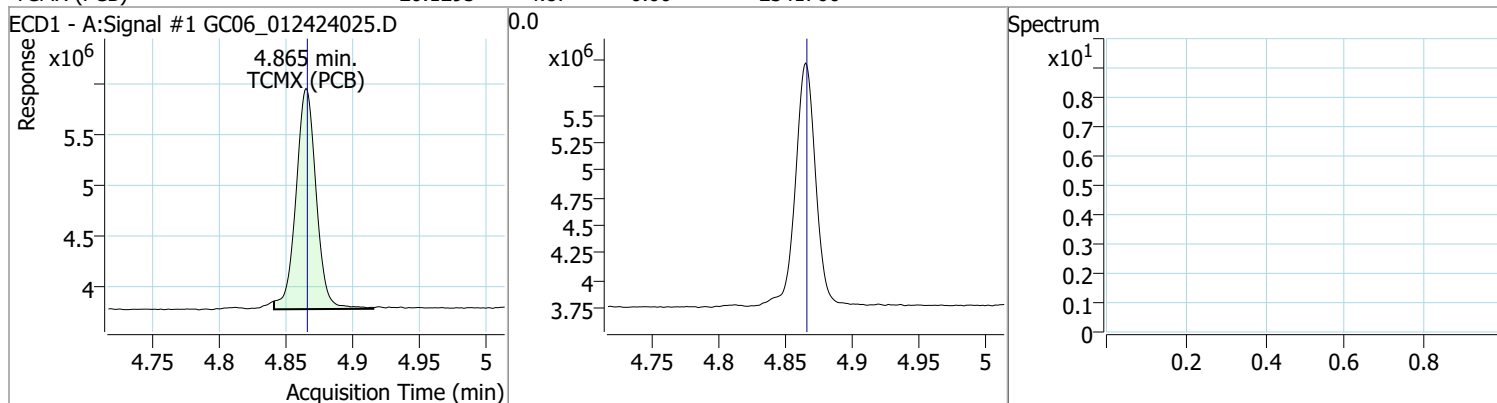
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.207	0.0	686978.068	264.8626	ng/ml	100
T AR1016 2	5.533	0.0	1388550.76 4	267.5078	ng/ml	100
T AR1016 1 #2	5.657	0.0	3508896.41 0	232.1163	ng/ml	100
T AR1016 3	5.984	0.0	1802380.13 1	265.3762	ng/ml	100
T AR1016 2 #2	6.066	0.0	6935985.95 5	273.3099	ng/ml	100
T AR1016 4	6.118	0.0	1308220.83 8	261.9815	ng/ml	100
T AR1016 5	6.553	0.0	1099373.09 7	262.5523	ng/ml	100
T AR1016 3 #2	6.587	0.0	9425954.83 9	275.1796	ng/ml	100
T AR1016 4 #2	6.755	0.0	6414133.83 1	266.7939	ng/ml	100
T AR1016 5 #2	7.403	0.0	5857631.64 6	276.8606	ng/ml	100
T AR1260 1	8.333	0.0	2520196.09 8	282.4111	ng/ml	100
T AR1260 2	8.873	0.0	3803724.20 4	282.6062	ng/ml	100
T AR1260 3	9.349	0.0	4122608.83 0	281.9752	ng/ml m	100
T AR1260 1 #2	9.646	0.0	9478869.05 4	290.0698	ng/ml	100
T AR1260 4	9.868	0.0	2331206.59 4	289.9365	ng/ml	100
T AR1260 2 #2	9.931	0.0	10836042.3 02	286.8367	ng/ml	100
T AR1260 3 #2	10.382	0.0	12744321.6 96	274.4051	ng/ml	100
T AR1260 5	10.594	0.0	2810581.10 6	287.9684	ng/ml	100
T AR1260 4 #2	10.810	0.0	7749151.11 6	287.5414	ng/ml	100
T AR1260 5 #2	11.455	0.0	11479765.2 27	279.4646	ng/ml	100

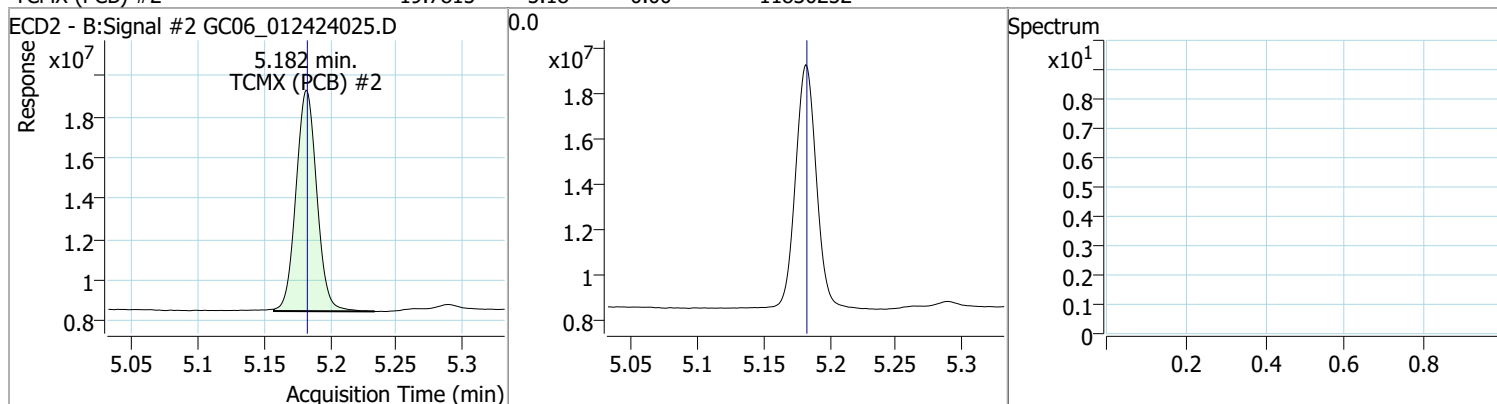
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

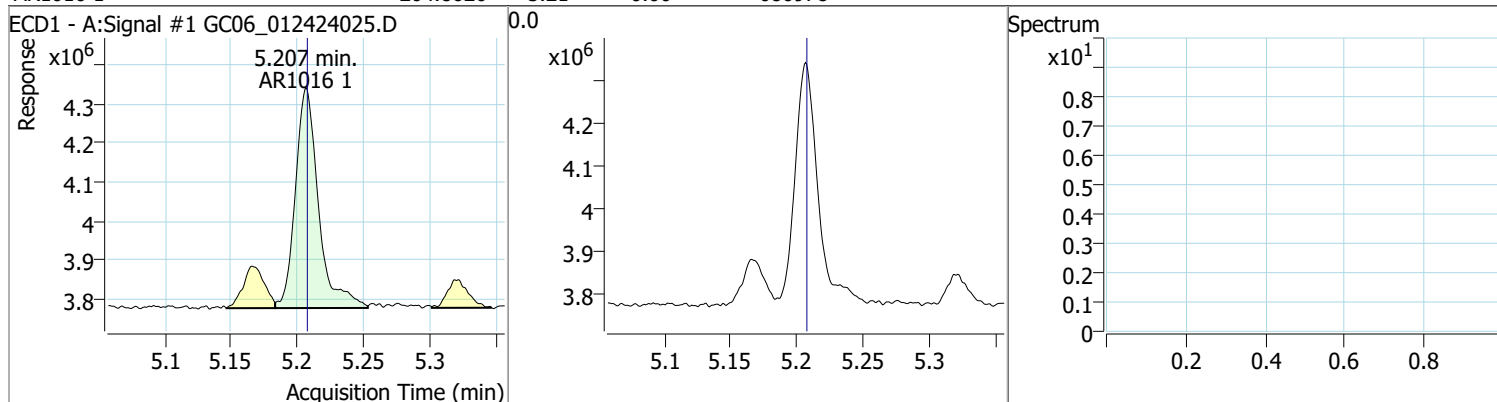
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.1295	4.87	0.00	2341706				



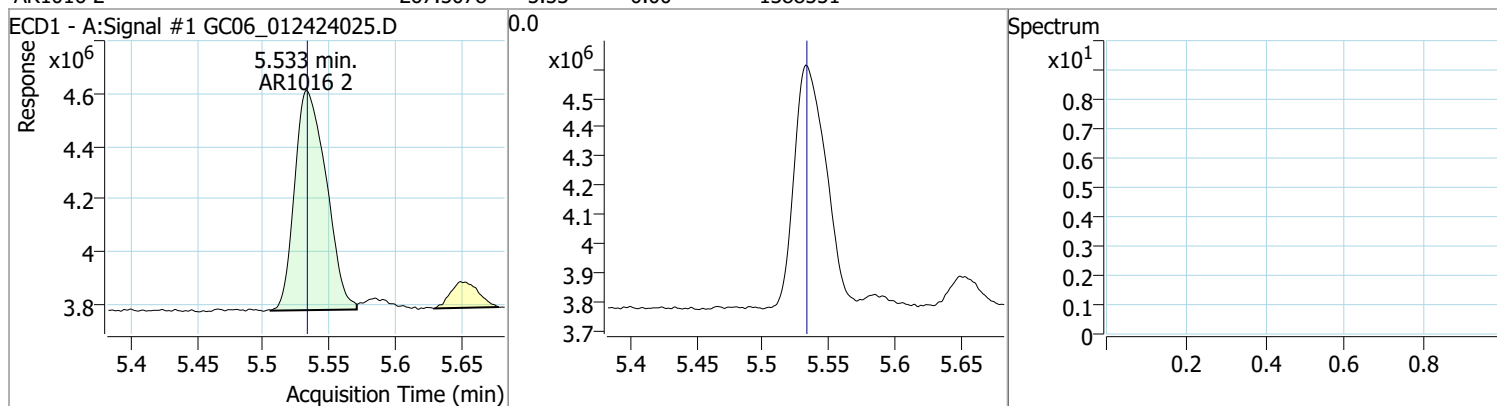
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.7815	5.18	0.00	11830252				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	264.8626	5.21	0.00	686978				

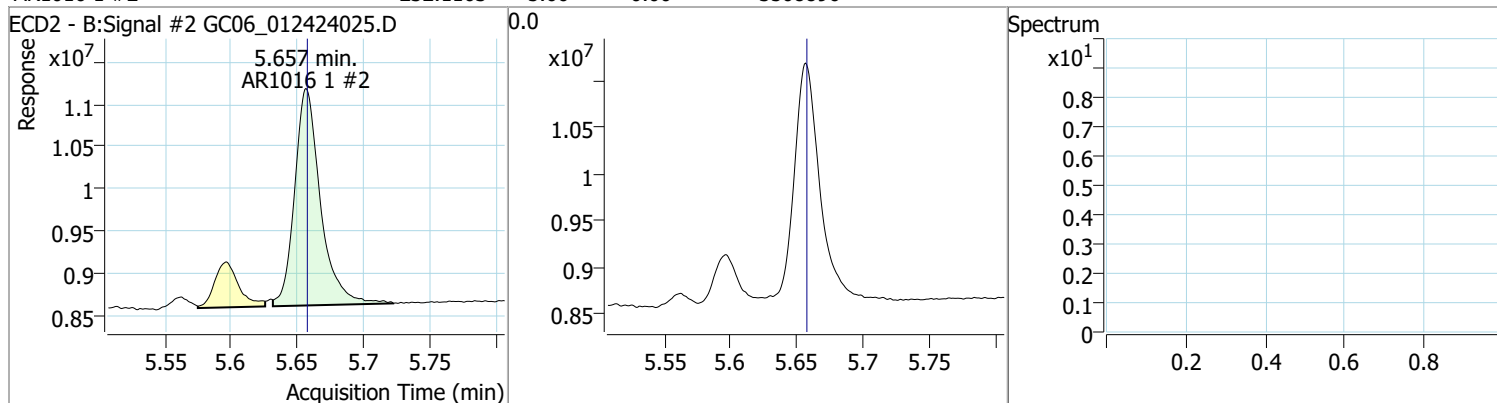


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	267.5078	5.53	0.00	1388551				

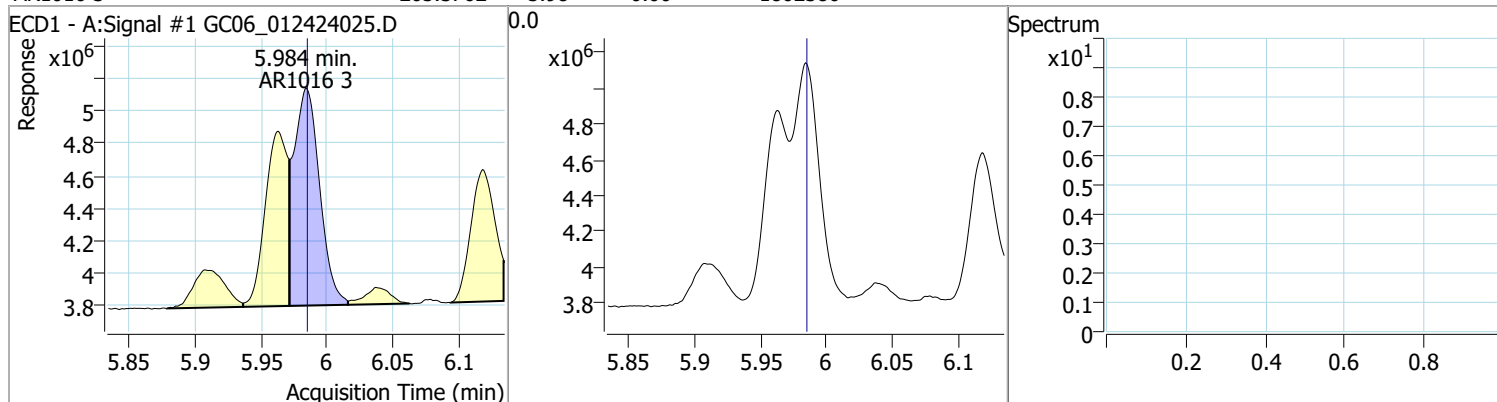


Quantitation Results Report (Not Reviewed)

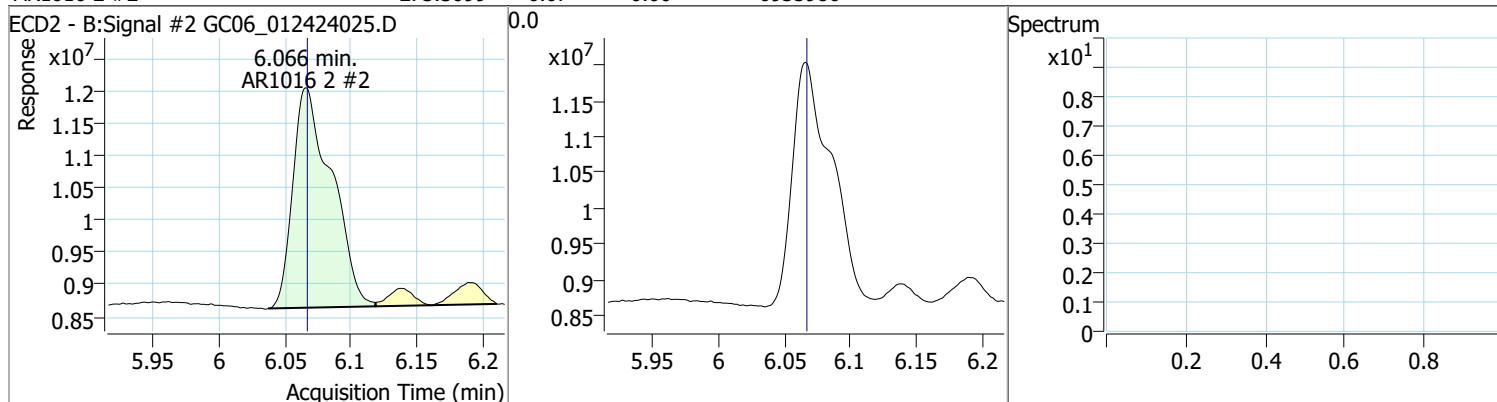
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	232.1163	5.66	0.00	3508896				



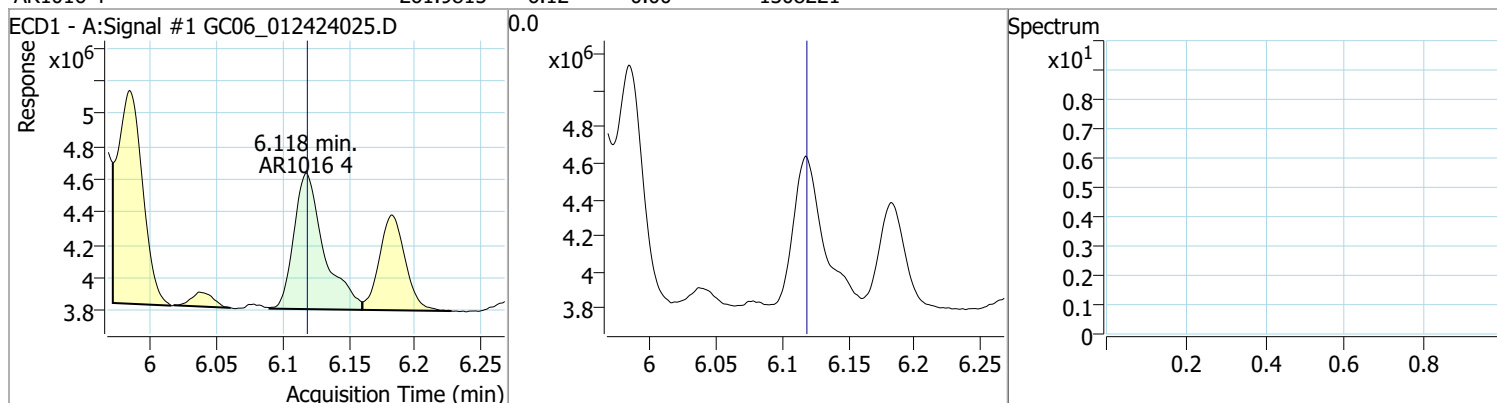
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	265.3762	5.98	0.00	1802380				



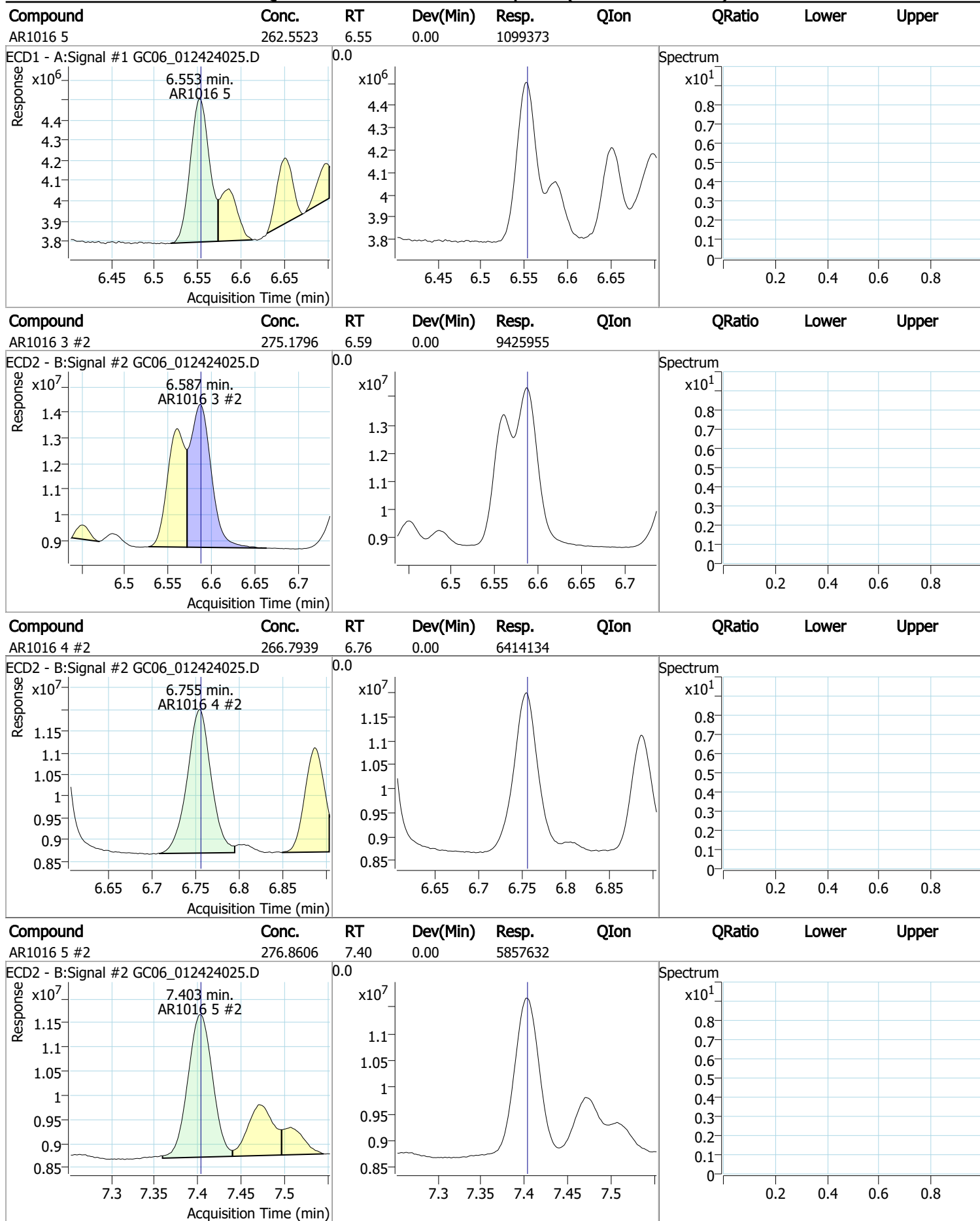
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	273.3099	6.07	0.00	6935986				



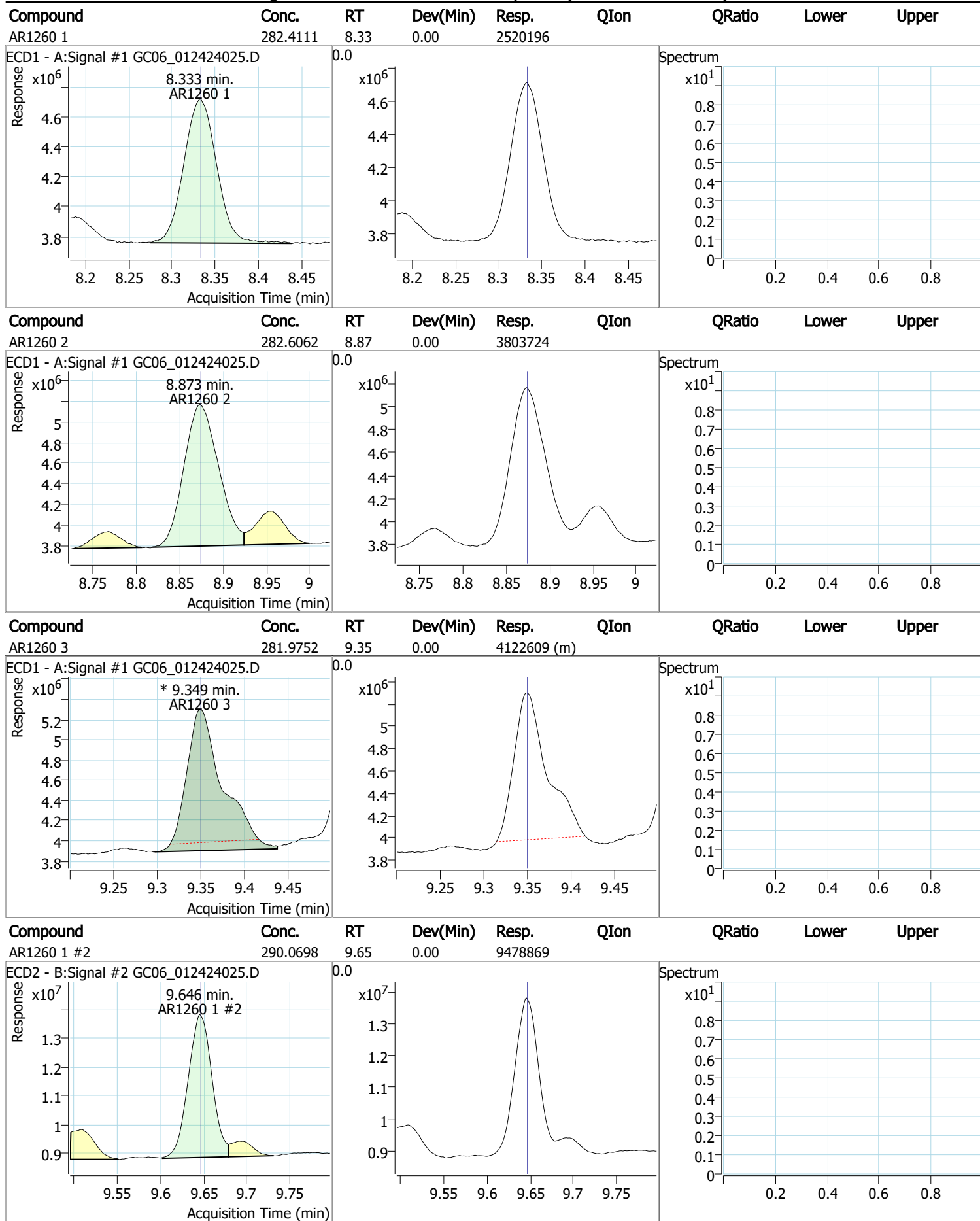
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	261.9815	6.12	0.00	1308221				



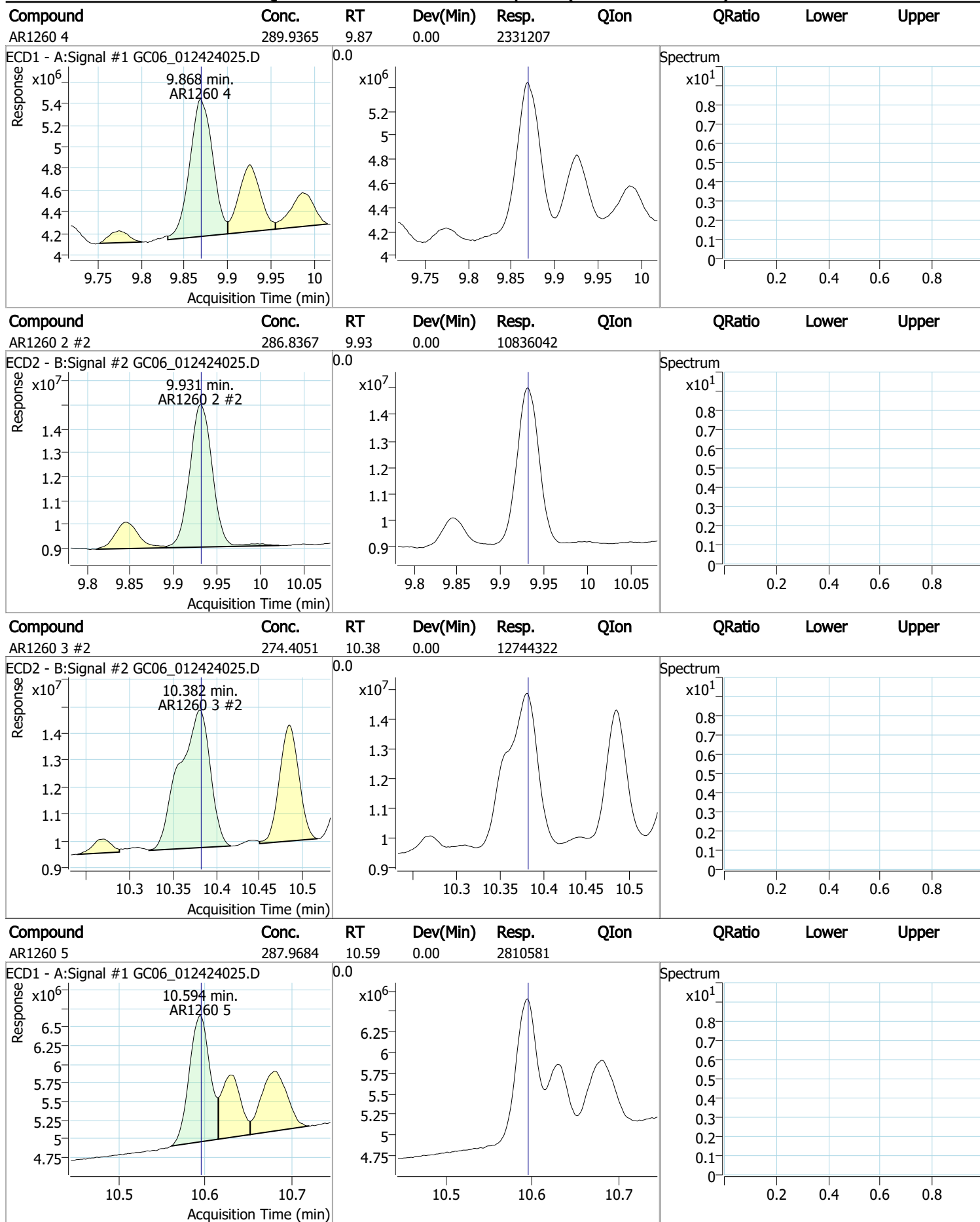
Quantitation Results Report (Not Reviewed)



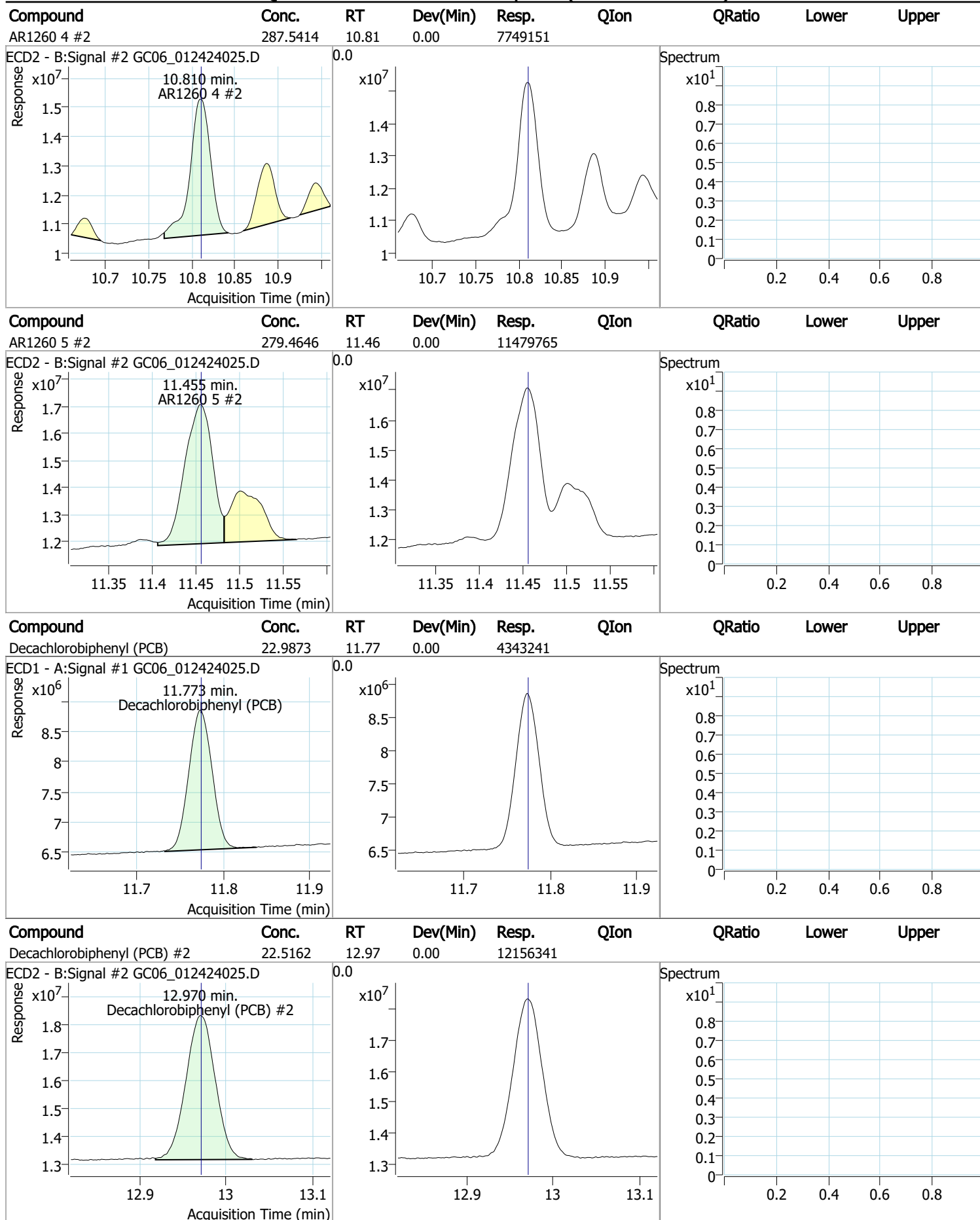
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

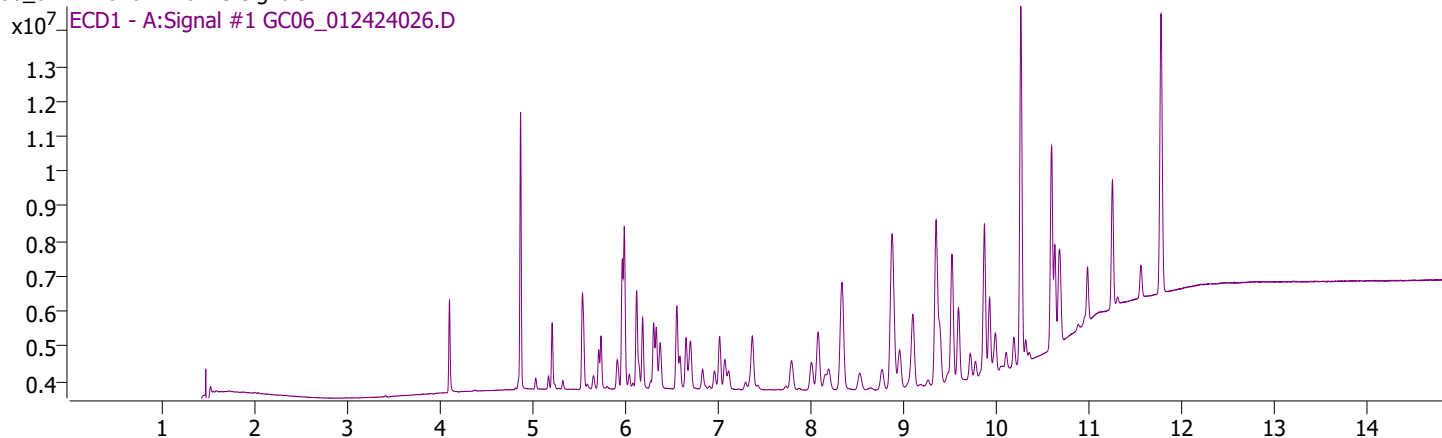


Quantitation Results Report (Not Reviewed)

Data File	GC06_012424026.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 5:25:53 PM
Sample Name	ICAL, S19336	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:35:37 PM
Ref Library			

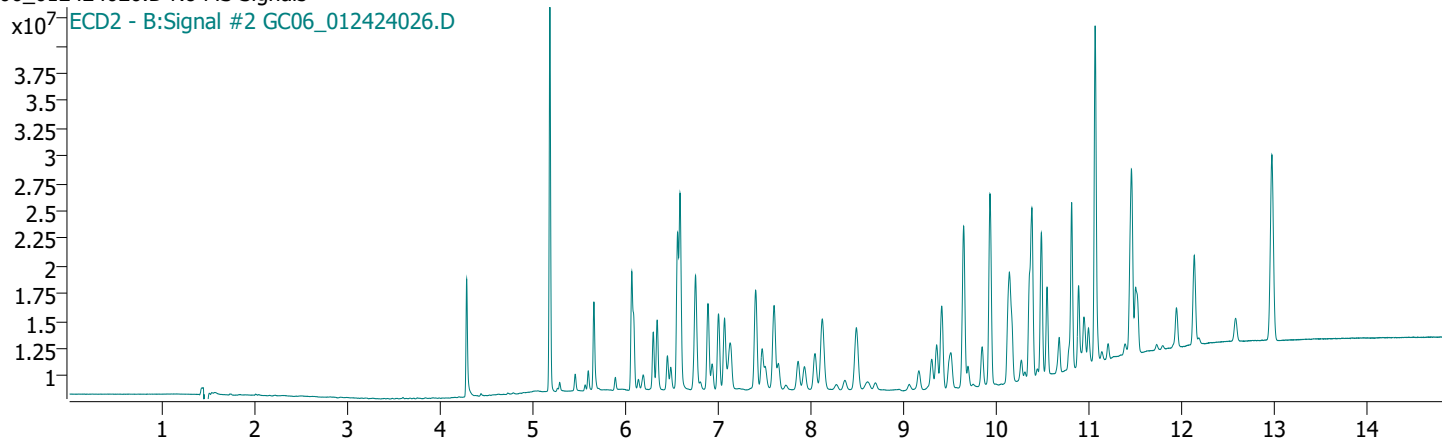
GC06_012424026.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_012424026.D



GC06_012424026.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_012424026.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.098	0.0	2779929.026	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.284	0.0	13029843.476	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.866	0.0	8179473.860	63.8721	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 319.36%	*	
S TCMX (PCB) #2	5.182	0.0	37725528.058	58.7125	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 293.56%	*	
S Decachlorobiphenyl (PCB)	11.776	0.0	14373760.717	69.1083	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 345.54%	*	
S Decachlorobiphenyl (PCB) #2	12.972	0.0	39028616.187	67.2830	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 336.42%	*	

Target Compounds

QValue

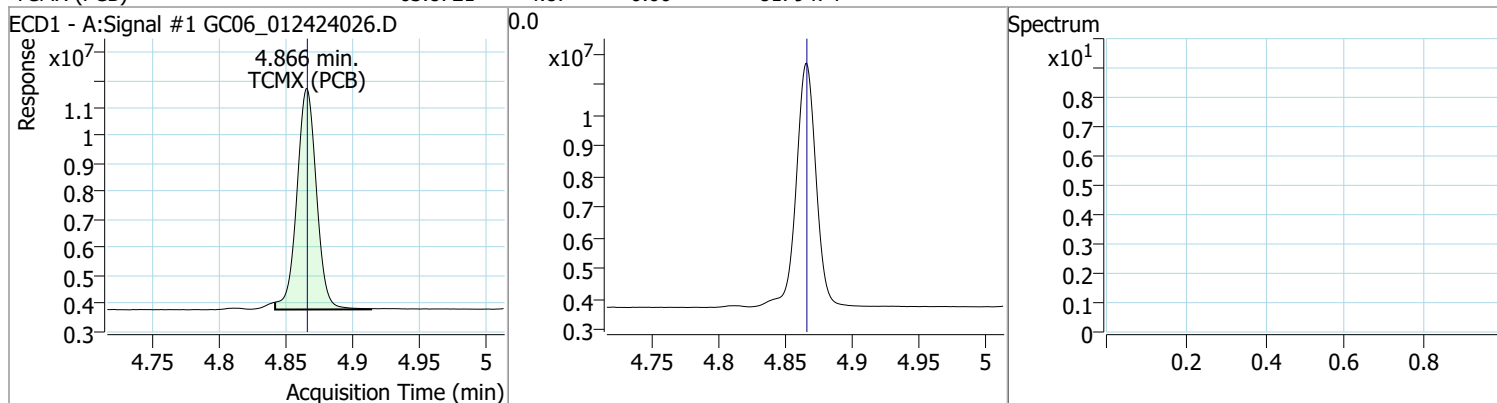
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.207	0.0	2287953.94 9	801.3286	ng/ml	100
T AR1016 2	5.533	0.0	4632284.57 6	810.6915	ng/ml	100
T AR1016 1 #2	5.657	0.0	10923677.6 23	672.5651	ng/ml	100
T AR1016 3	5.984	0.0	6049609.64 3	809.1492	ng/ml	100
T AR1016 2 #2	6.066	0.0	21884604.7 96	802.6315	ng/ml	100
T AR1016 4	6.118	0.0	4433642.71 3	806.5584	ng/ml	100
T AR1016 5	6.552	0.0	3729527.02 7	809.1146	ng/ml	100
T AR1016 3 #2	6.586	0.0	29135236.9 36	791.6619	ng/ml	100
T AR1016 4 #2	6.753	0.0	20600772.0 26	797.5384	ng/ml	100
T AR1016 5 #2	7.402	0.0	18666280.4 30	821.1588	ng/ml	100
T AR1260 1	8.333	0.0	8231647.36 4	837.9533	ng/ml	100
T AR1260 2	8.874	0.0	12577299.7 21	848.8788	ng/ml	100
T AR1260 3	9.349	0.0	13400492.8 76	832.6167	ng/ml	100
T AR1260 1 #2	9.646	0.0	28795934.8 05	820.1768	ng/ml	100
T AR1260 4	9.870	0.0	7893186.73 7	891.7851	ng/ml	100
T AR1260 2 #2	9.930	0.0	32233984.3 48	794.1605	ng/ml	100
T AR1260 3 #2	10.383	0.0	39674406.8 49	795.0897	ng/ml	100
T AR1260 5	10.595	0.0	9904660.99 9	921.8792	ng/ml	100
T AR1260 4 #2	10.812	0.0	24424329.6 20	843.5275	ng/ml	100
T AR1260 5 #2	11.456	0.0	36978453.8 39	837.8627	ng/ml	100

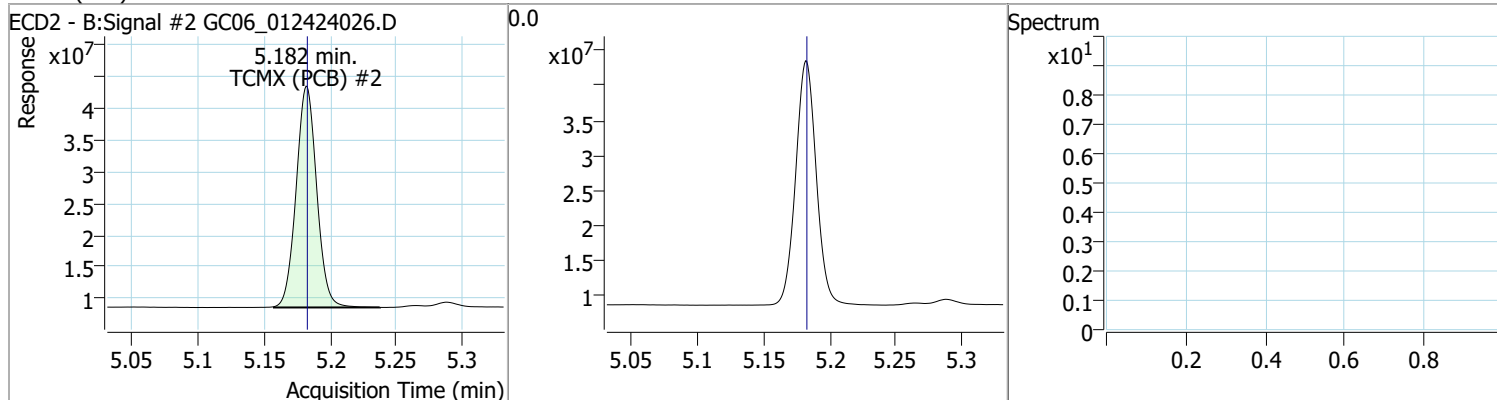
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

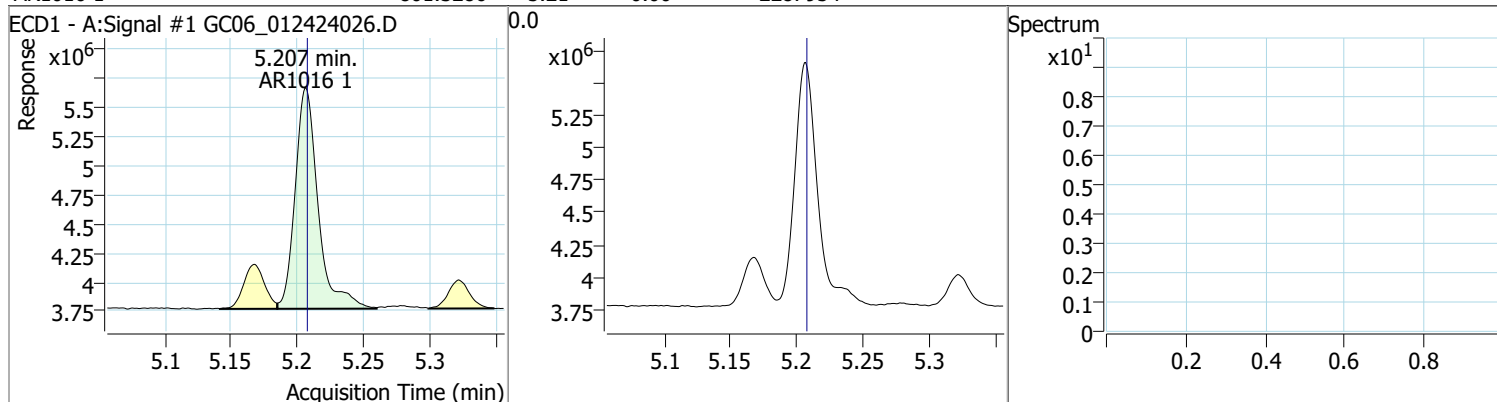
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	63.8721	4.87	0.00	8179474				



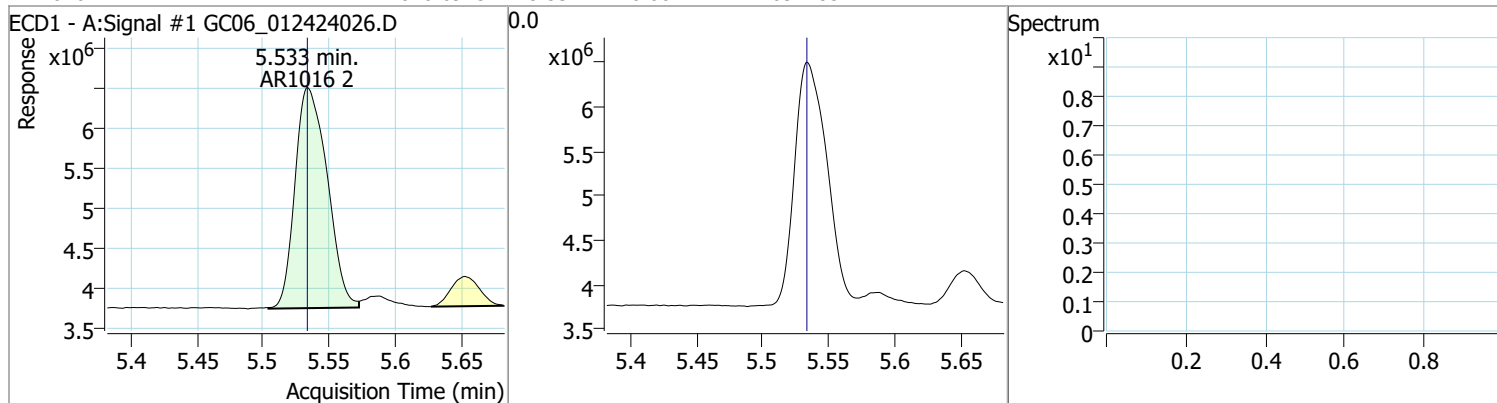
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	58.7125	5.18	0.00	37725528				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	801.3286	5.21	0.00	2287954				

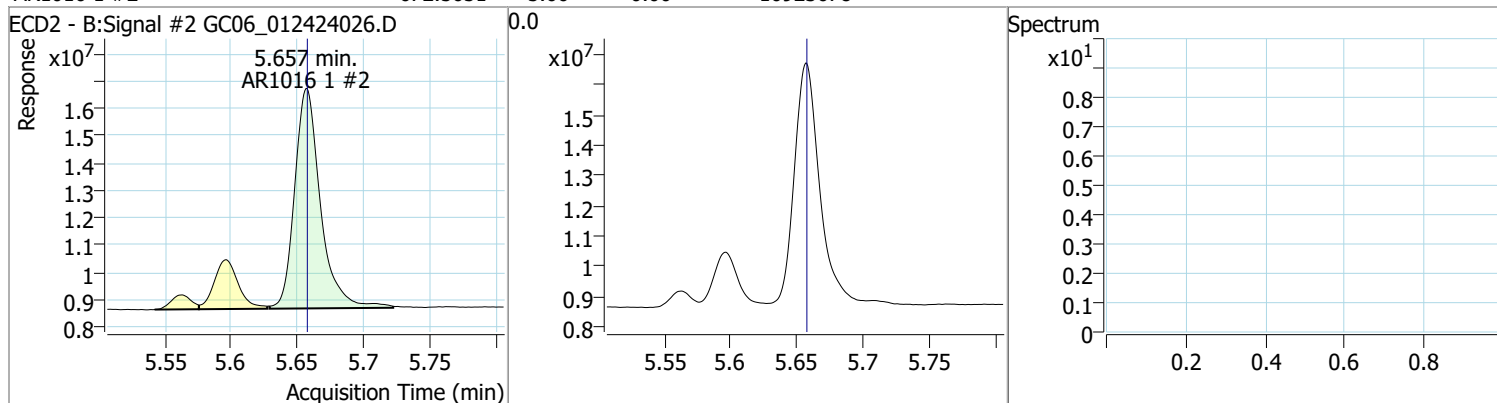


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	810.6915	5.53	0.00	4632285				

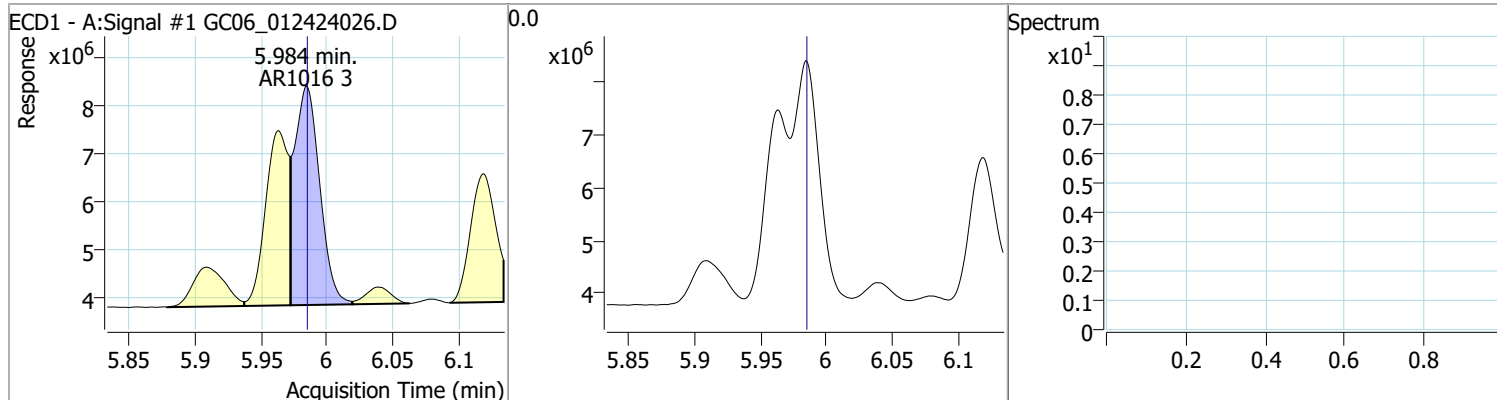


Quantitation Results Report (Not Reviewed)

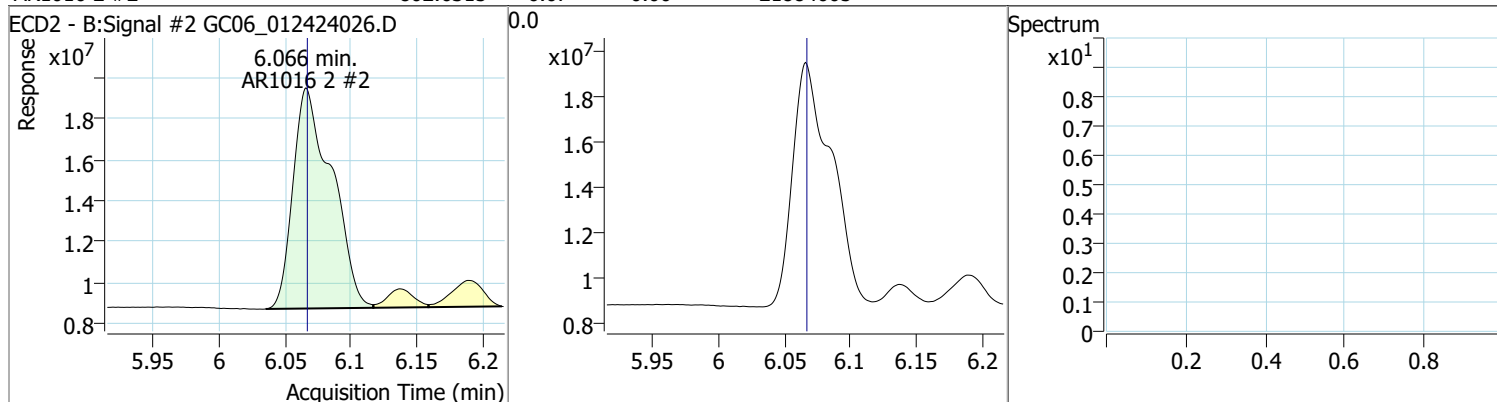
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	672.5651	5.66	0.00	10923678				



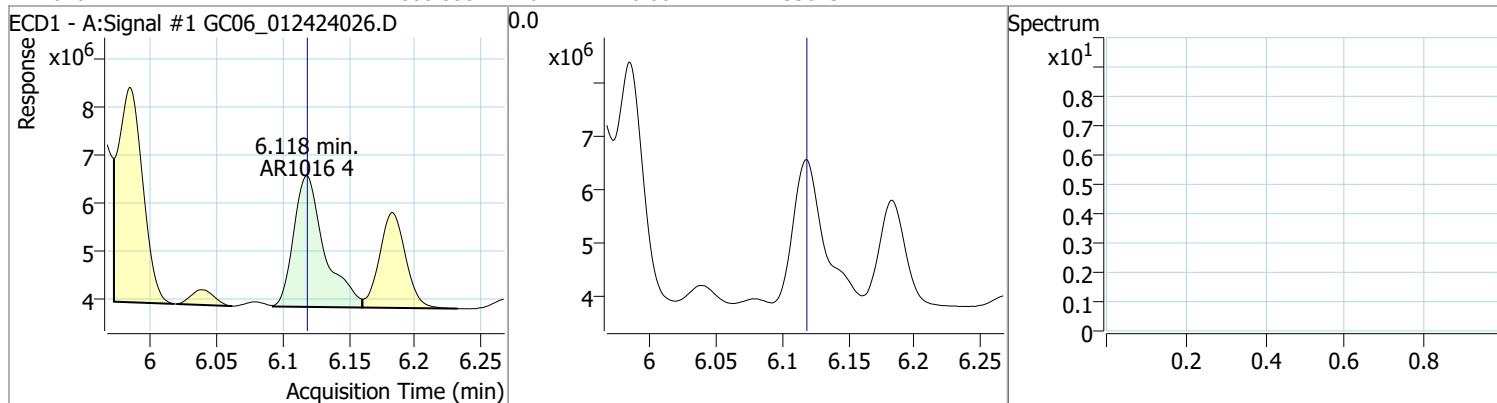
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	809.1492	5.98	0.00	6049610				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	802.6315	6.07	0.00	21884605				

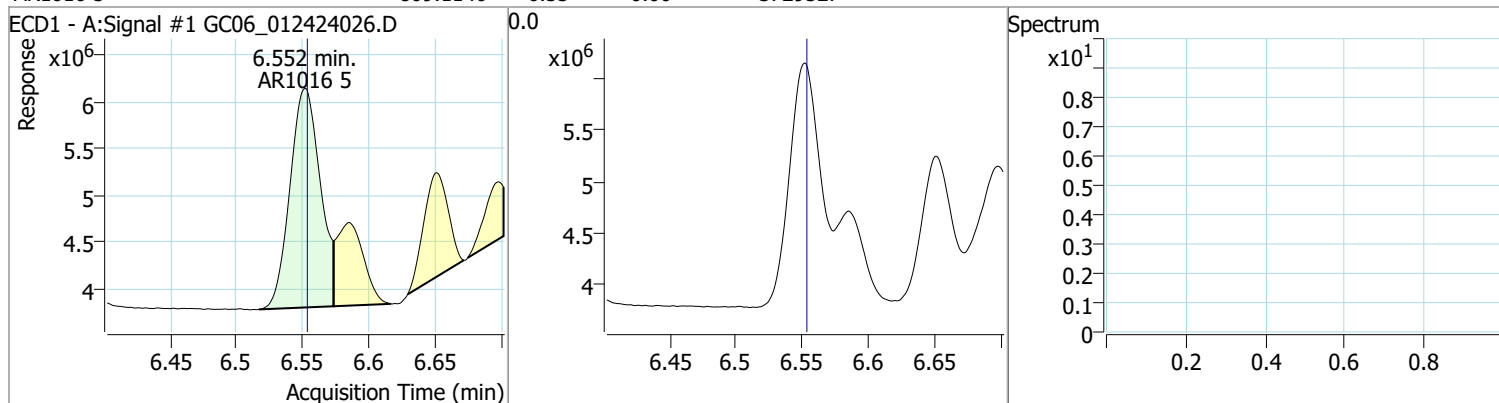


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	806.5584	6.12	0.00	4433643				

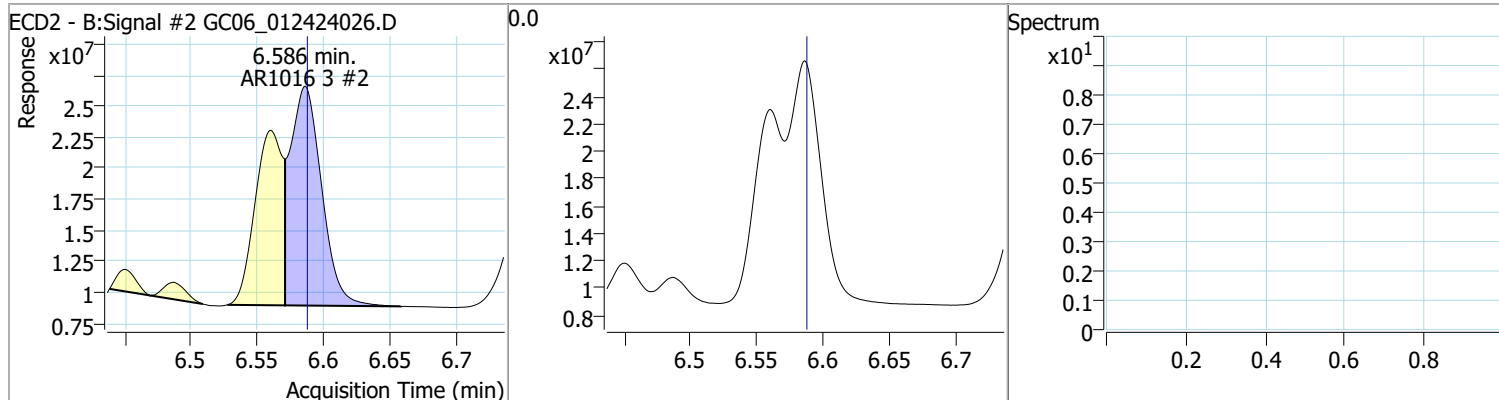


Quantitation Results Report (Not Reviewed)

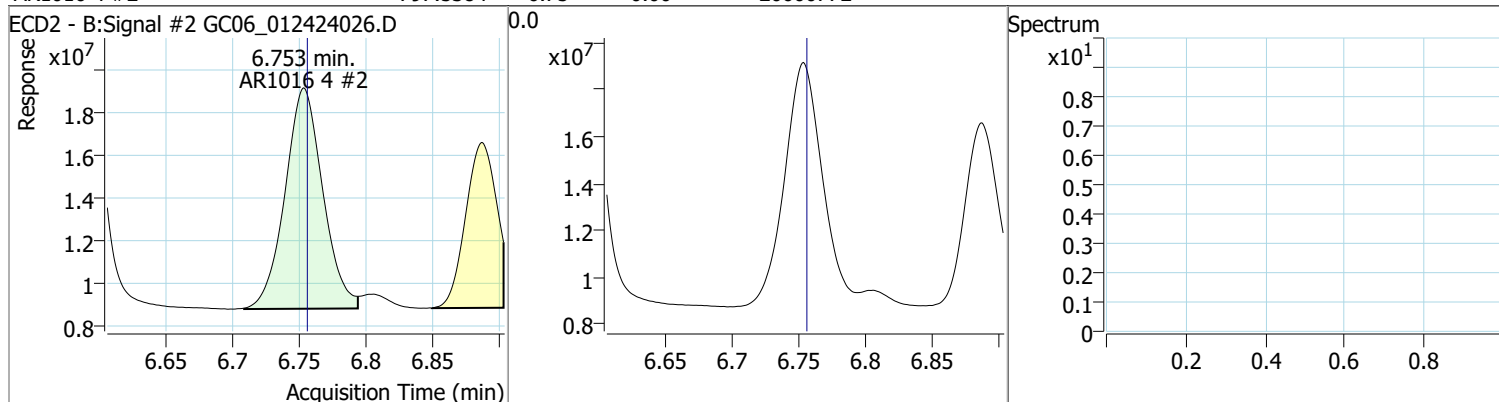
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	809.1146	6.55	0.00	3729527				



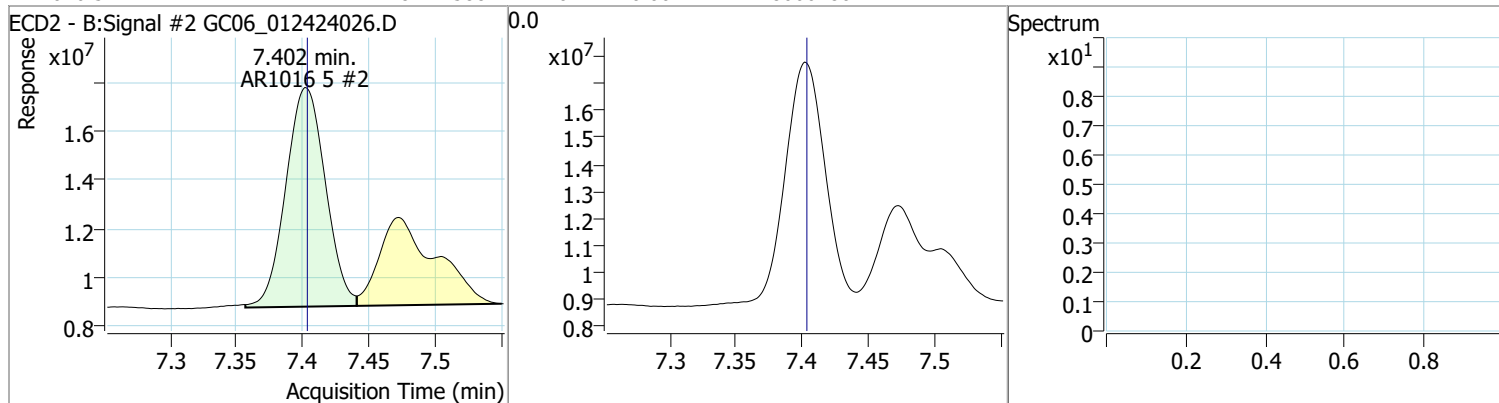
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	791.6619	6.59	0.00	29135237				



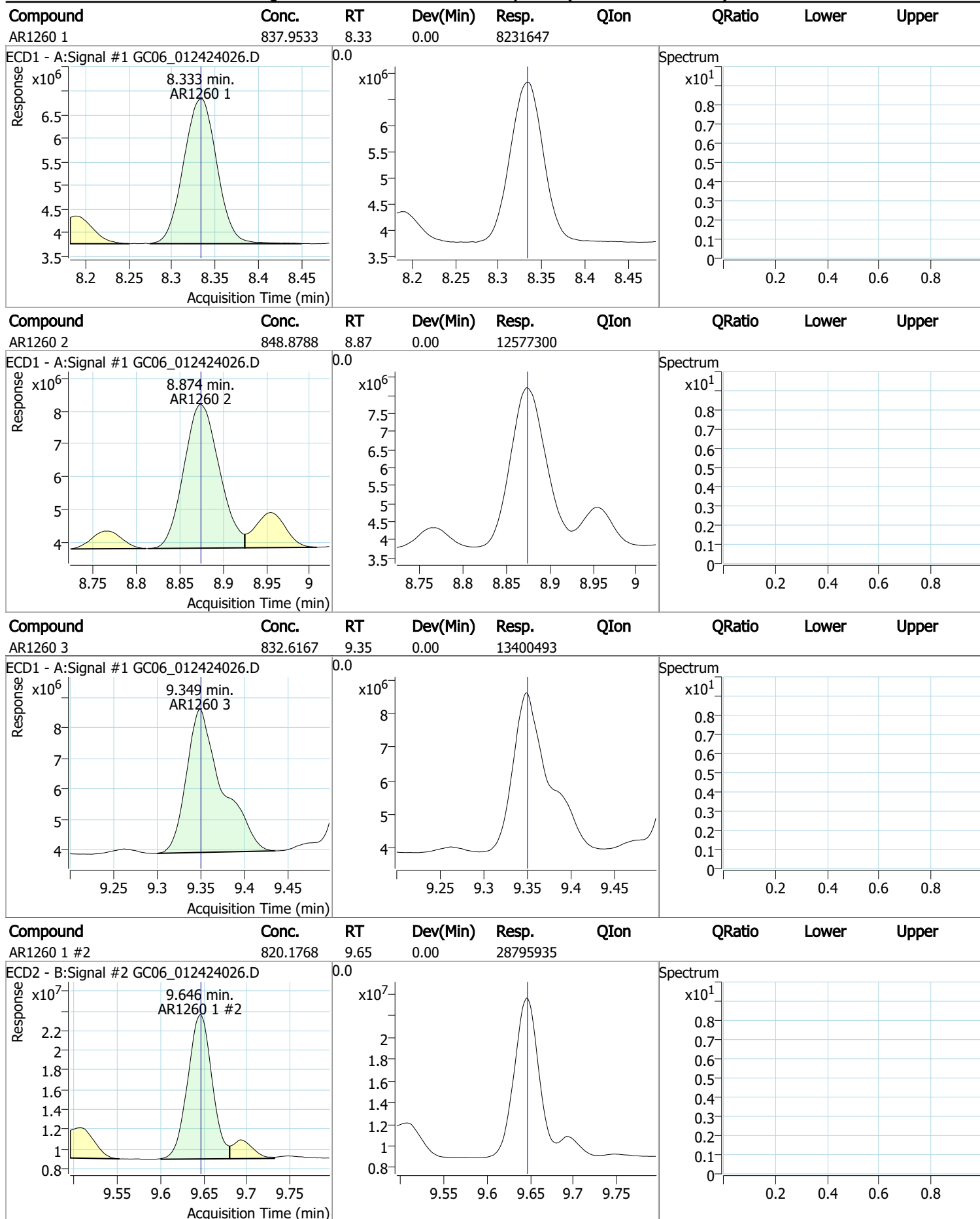
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	797.5384	6.75	0.00	20600772				



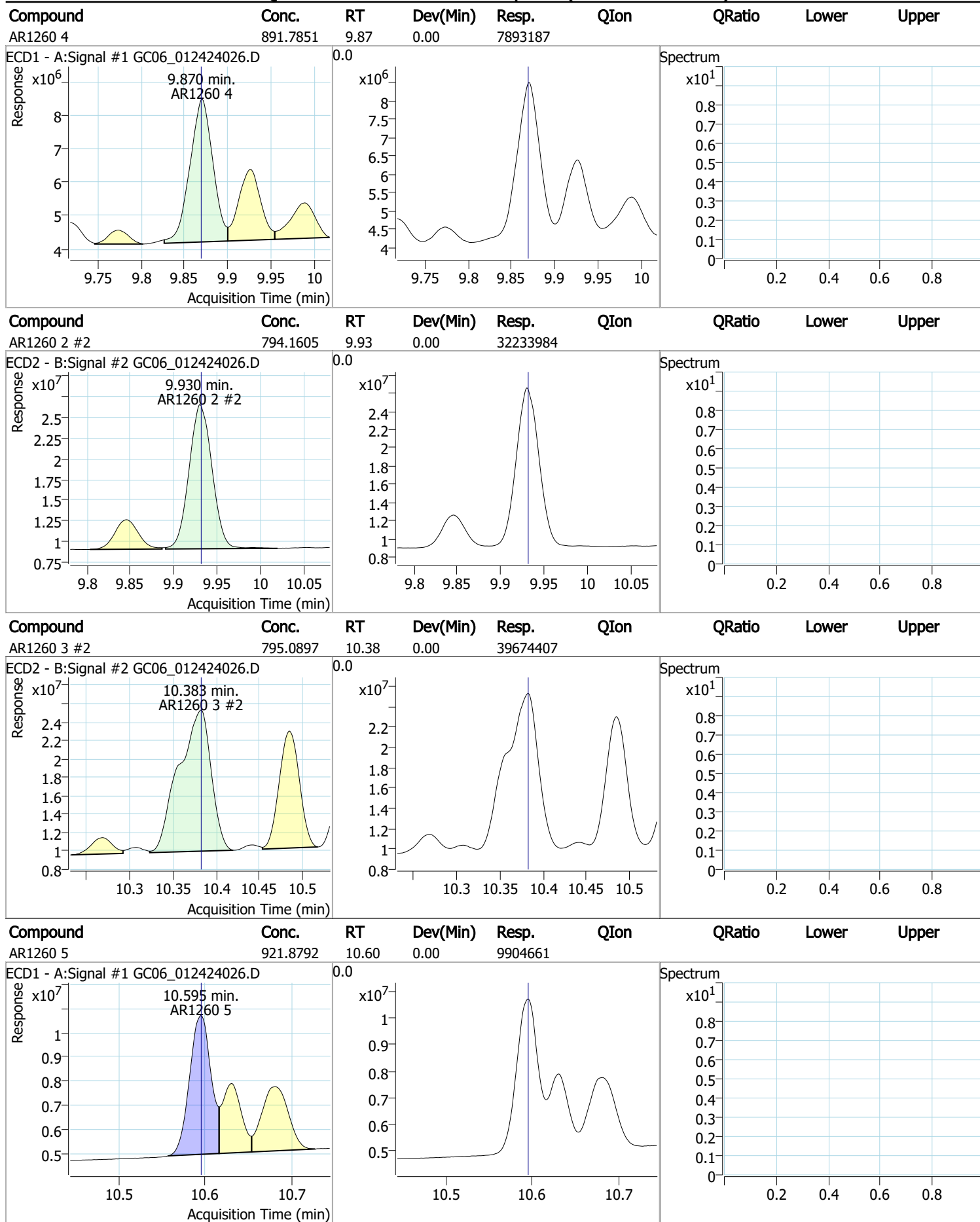
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	821.1588	7.40	0.00	18666280				



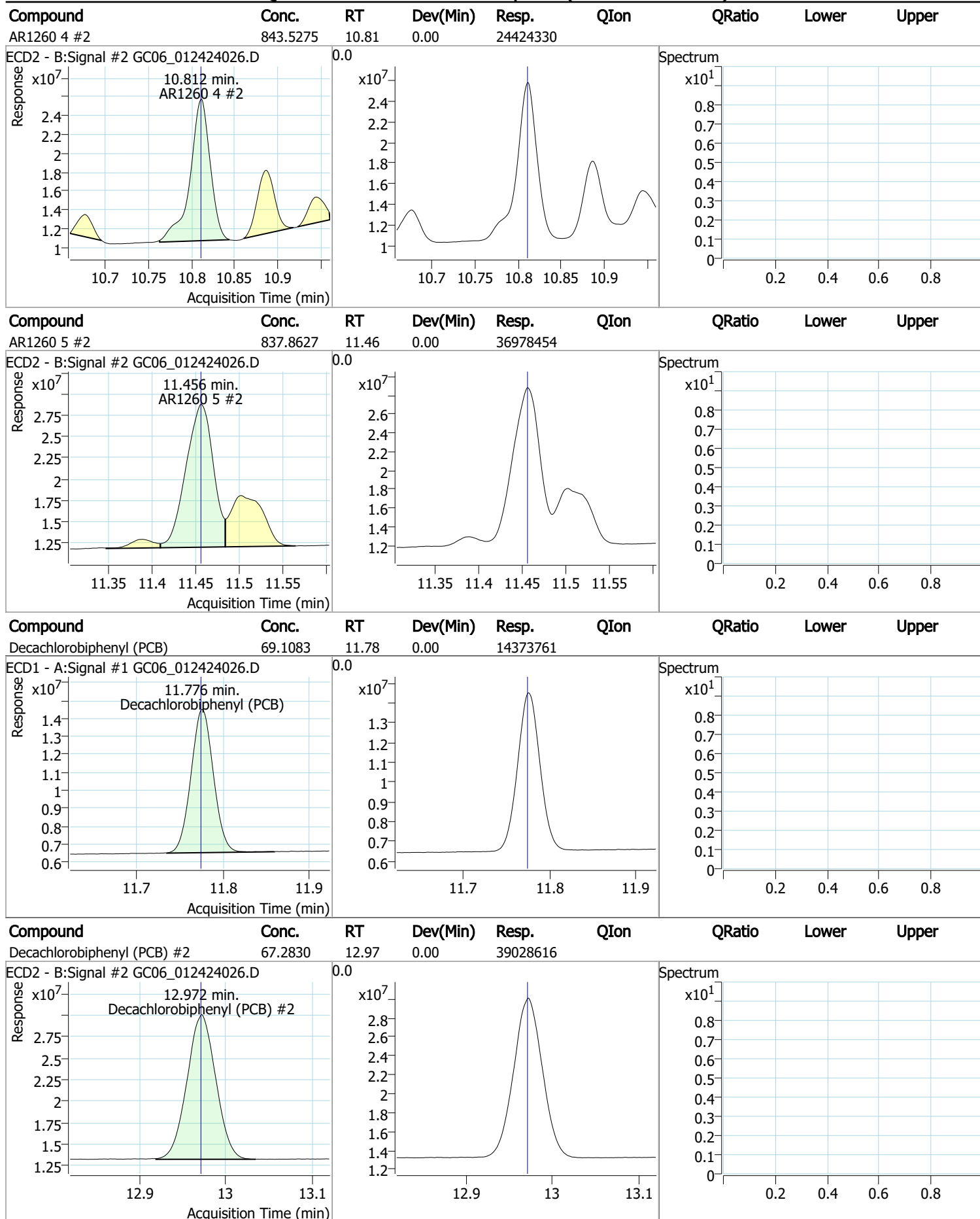
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



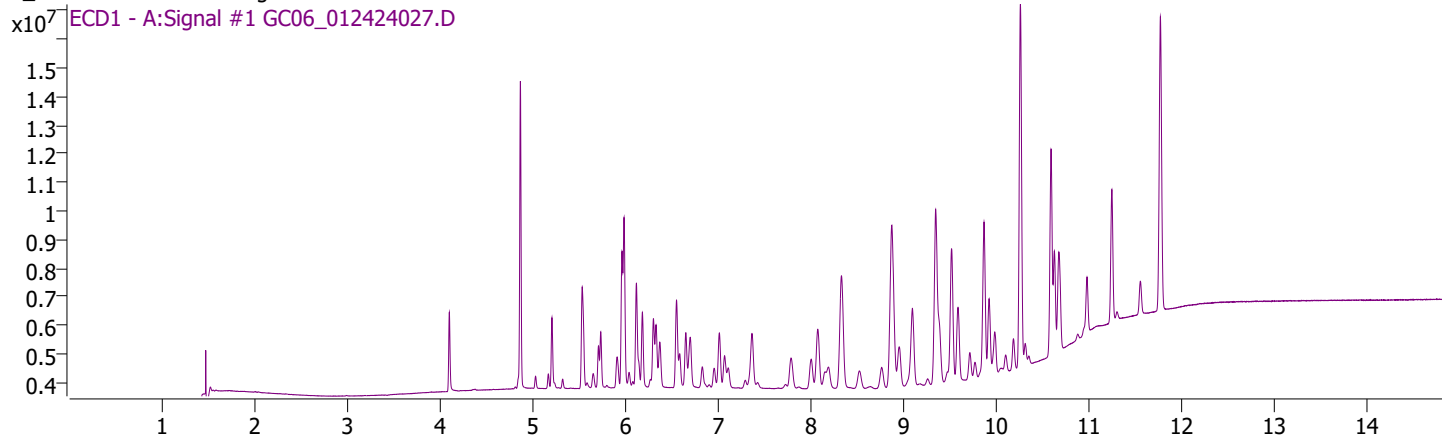
Quantitation Results Report (Not Reviewed)



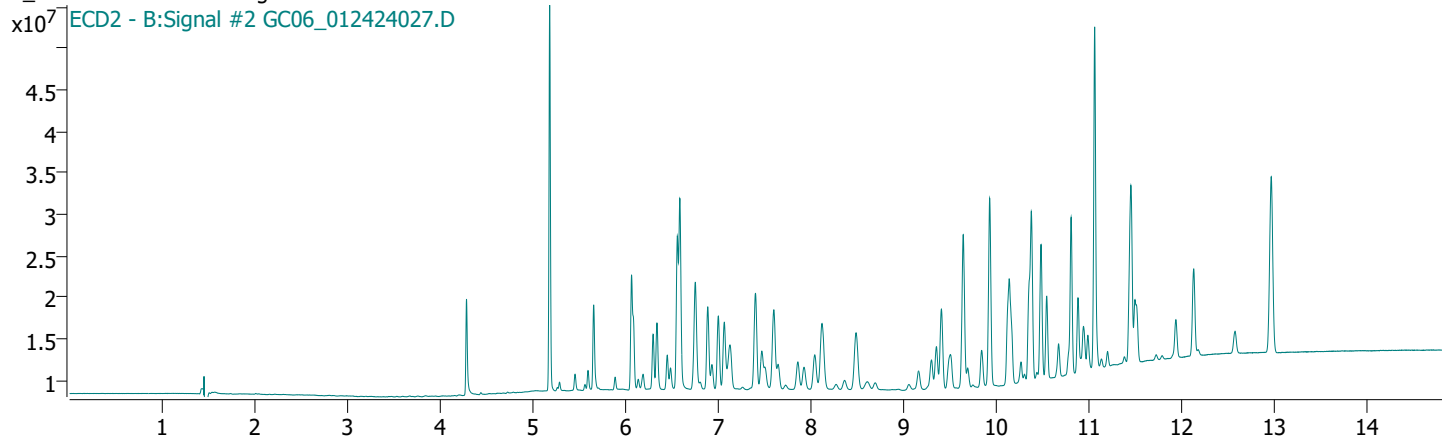
Quantitation Results Report (Not Reviewed)

Data File	GC06_012424027.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 5:46:45 PM
Sample Name	ICAL, S19337	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:35:37 PM
Ref Library			

GC06_012424027.D No MS Signals



GC06_012424027.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.098	0.0	2886424.091	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.284	0.0	13793545.200	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.865	0.0	11036403.978	83.0017	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 415.01%	*	
S TCMX (PCB) #2	5.182	0.0	50010200.248	73.5220	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 367.61%	*	
S Decachlorobiphenyl (PCB)	11.773	0.0	18380367.809	85.1114	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 425.56%	*	
S Decachlorobiphenyl (PCB) #2	12.969	0.0	50157589.976	81.6812	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 408.41%	*	

Target Compounds

QValue

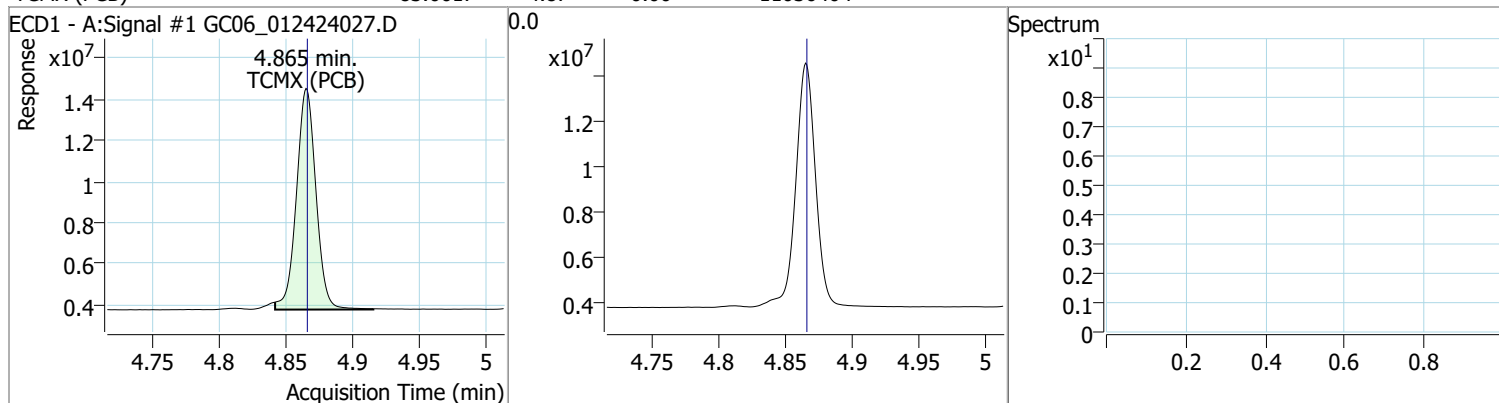
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.206	0.0	3032980.49 6	1023.0729	ng/ml	100
T AR1016 2	5.533	0.0	5954784.56 0	1003.6909	ng/ml	100
T AR1016 1 #2	5.657	0.0	13970231.3 96	812.5168	ng/ml	100
T AR1016 3	5.984	0.0	8043027.27 1	1036.0826	ng/ml	100
T AR1016 2 #2	6.065	0.0	27928191.7 68	967.5727	ng/ml	100
T AR1016 4	6.118	0.0	5815014.22 4	1018.8247	ng/ml	100
T AR1016 5	6.551	0.0	4804214.79 1	1003.8117	ng/ml	100
T AR1016 3 #2	6.586	0.0	37726723.9 97	968.3528	ng/ml	100
T AR1016 4 #2	6.753	0.0	26450566.0 62	967.3115	ng/ml	100
T AR1016 5 #2	7.403	0.0	23816240.0 25	989.7053	ng/ml	100
T AR1260 1	8.331	0.0	10552632.1 75	1034.5879	ng/ml	100
T AR1260 2	8.874	0.0	16032519.6 38	1042.1581	ng/ml	100
T AR1260 3	9.348	0.0	17202686.9 88	1029.4238	ng/ml	100
T AR1260 1 #2	9.645	0.0	36271319.5 28	975.8946	ng/ml	100
T AR1260 4	9.869	0.0	10129509.6 29	1102.2239	ng/ml	100
T AR1260 2 #2	9.930	0.0	40850201.3 97	950.7181	ng/ml	100
T AR1260 3 #2	10.379	0.0	50405113.4 14	954.2091	ng/ml	100
T AR1260 5	10.593	0.0	11955680.0 20	1071.7222	ng/ml	100
T AR1260 4 #2	10.809	0.0	30975741.3 65	1010.5588	ng/ml	100
T AR1260 5 #2	11.454	0.0	46734624.7 63	1000.2906	ng/ml	100

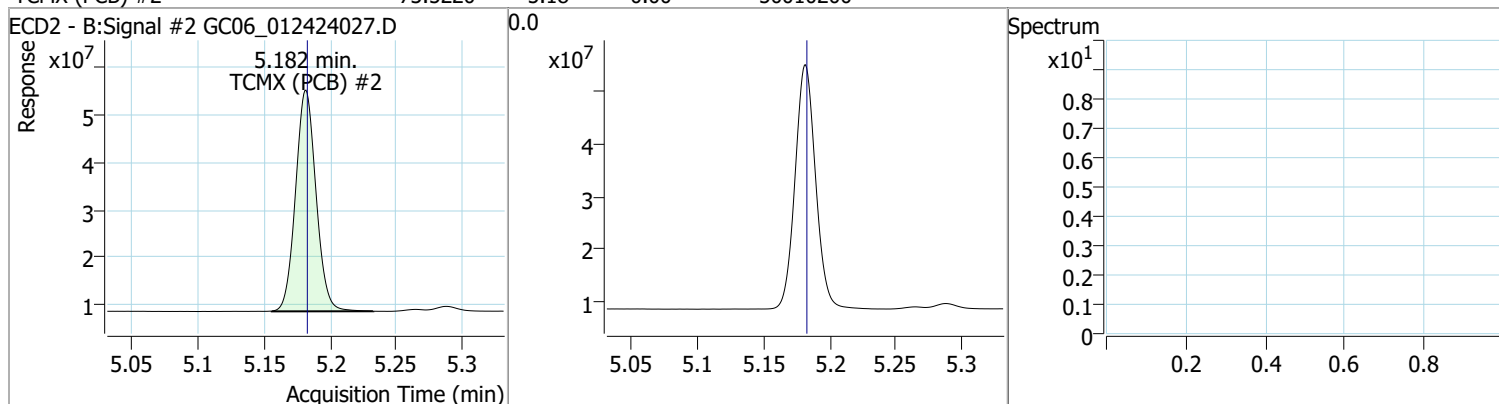
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

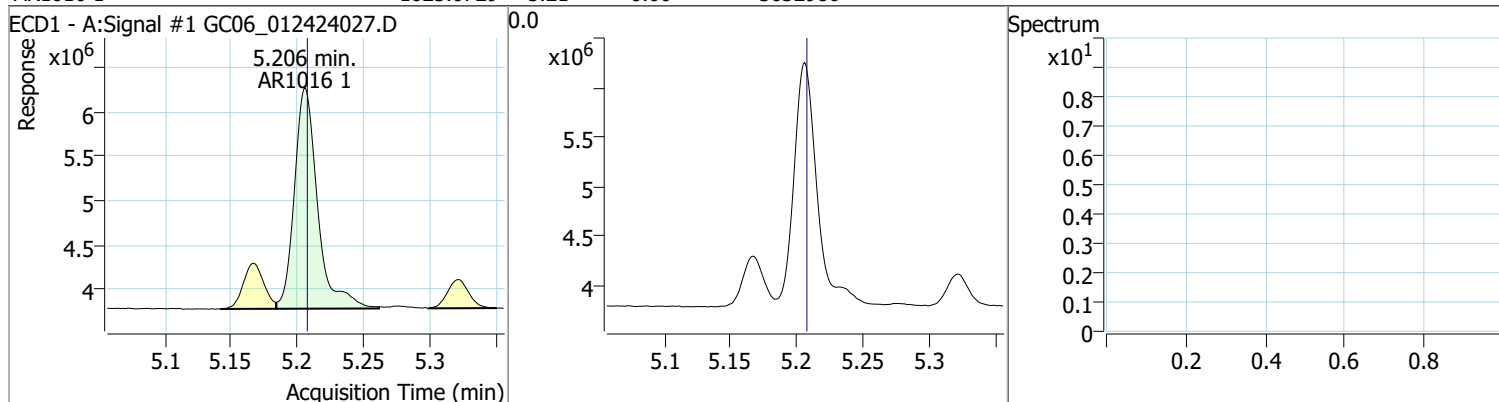
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	83.0017	4.87	0.00	11036404				



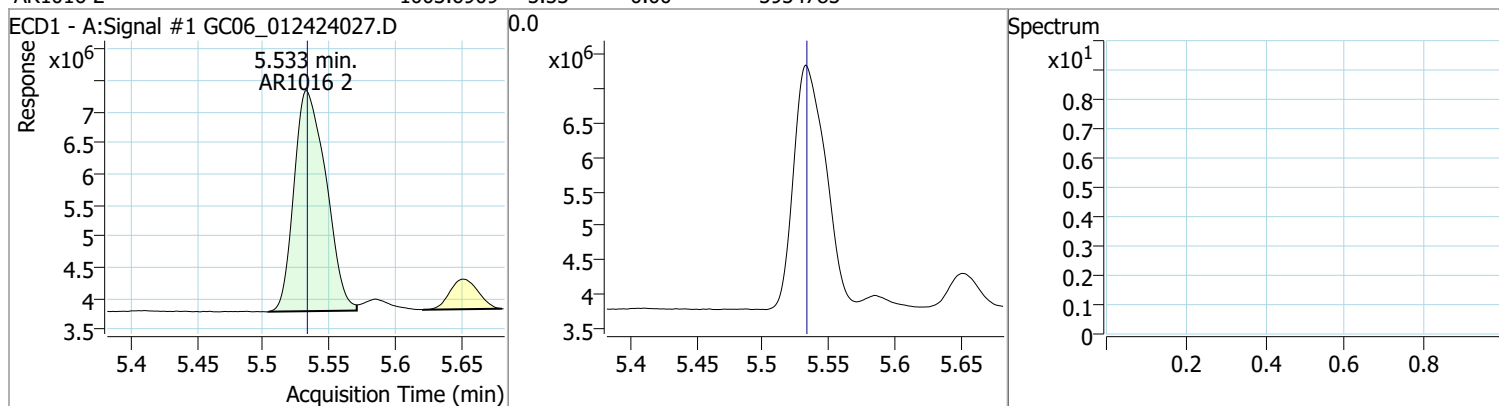
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	73.5220	5.18	0.00	50010200				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1023.0729	5.21	0.00	3032980				

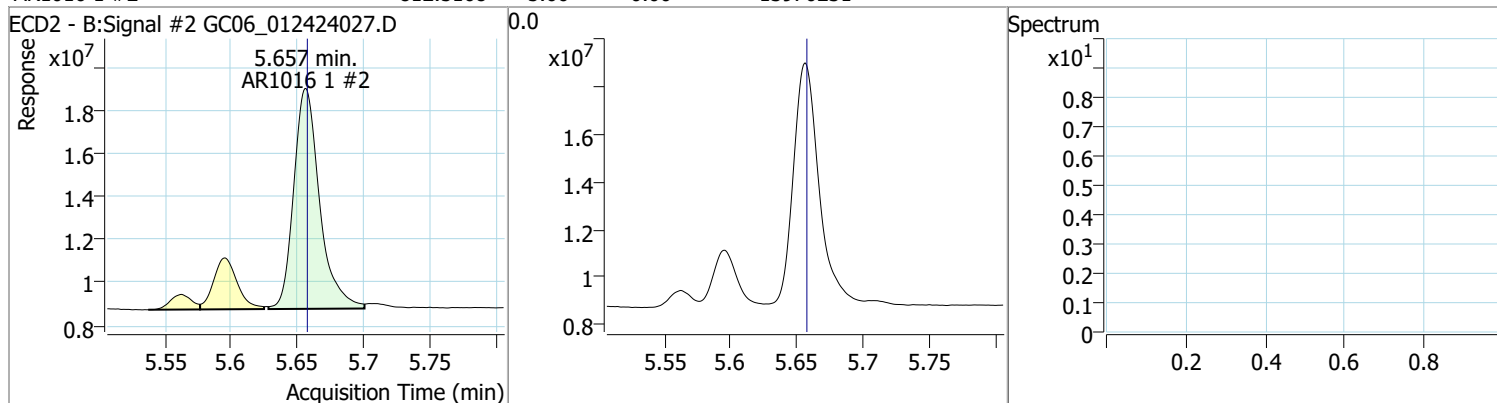


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1003.6909	5.53	0.00	5954785				

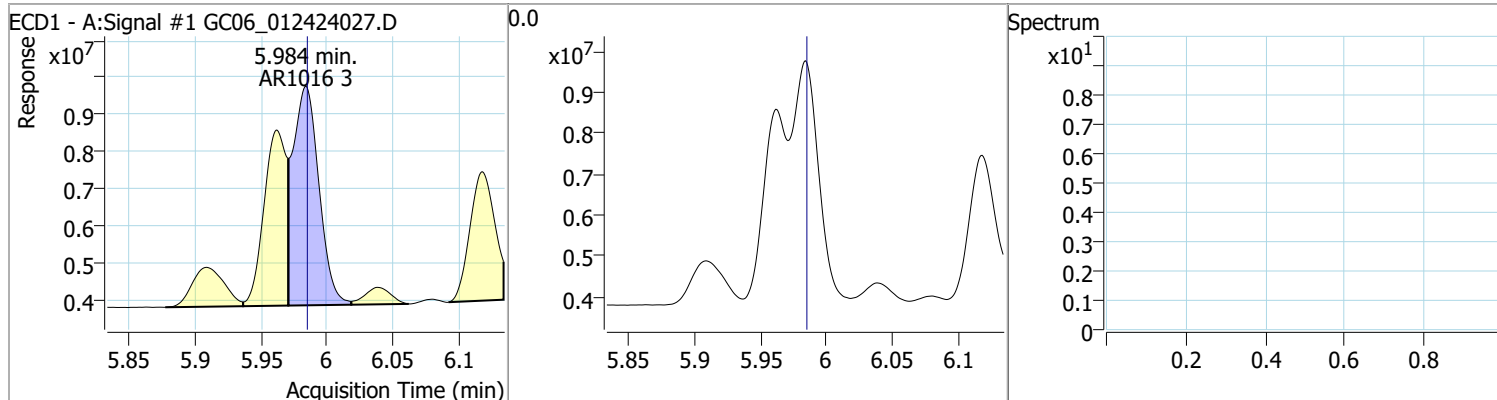


Quantitation Results Report (Not Reviewed)

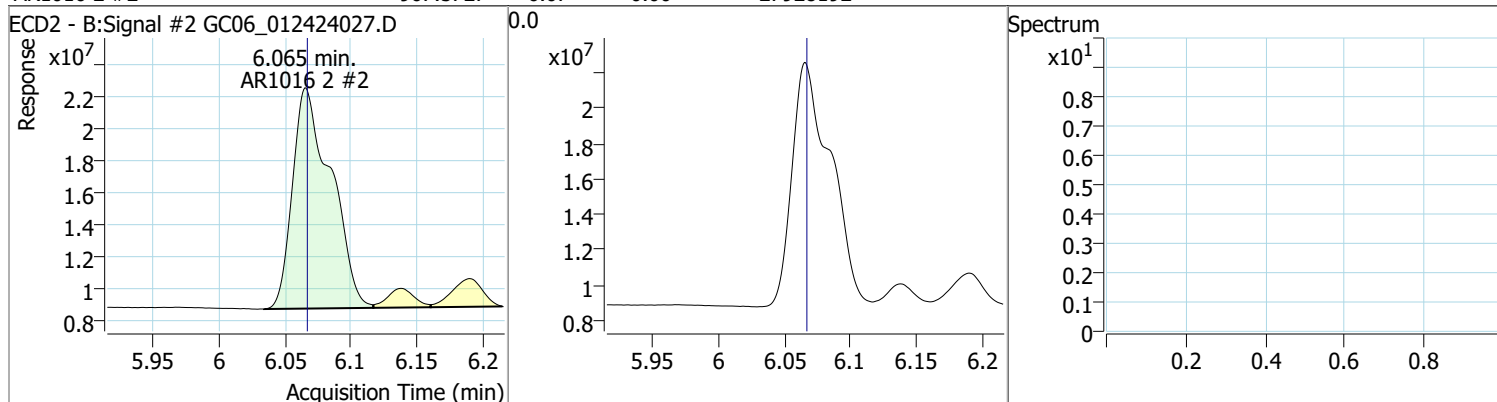
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	812.5168	5.66	0.00	13970231				



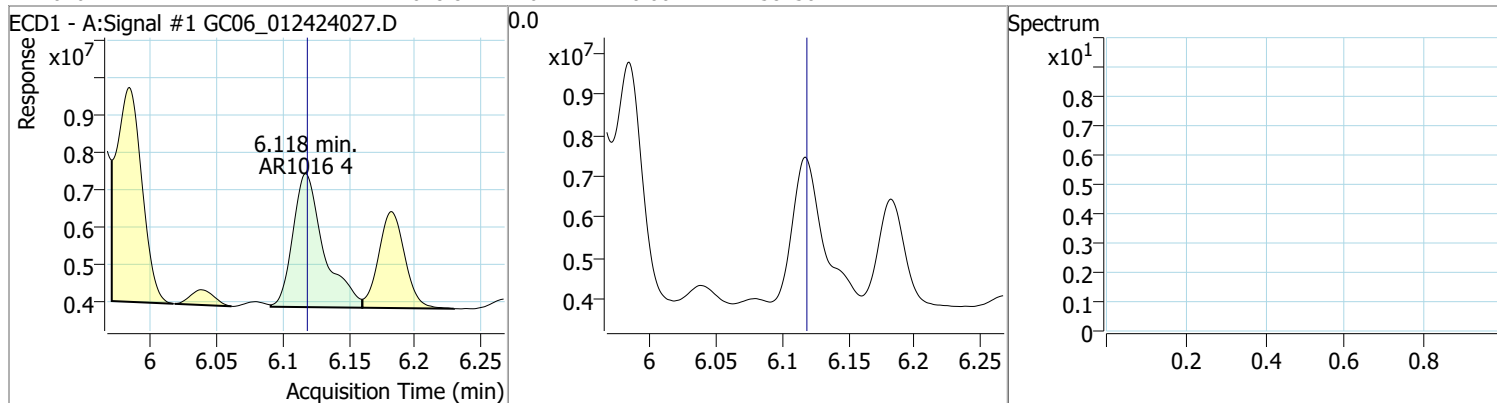
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1036.0826	5.98	0.00	8043027				



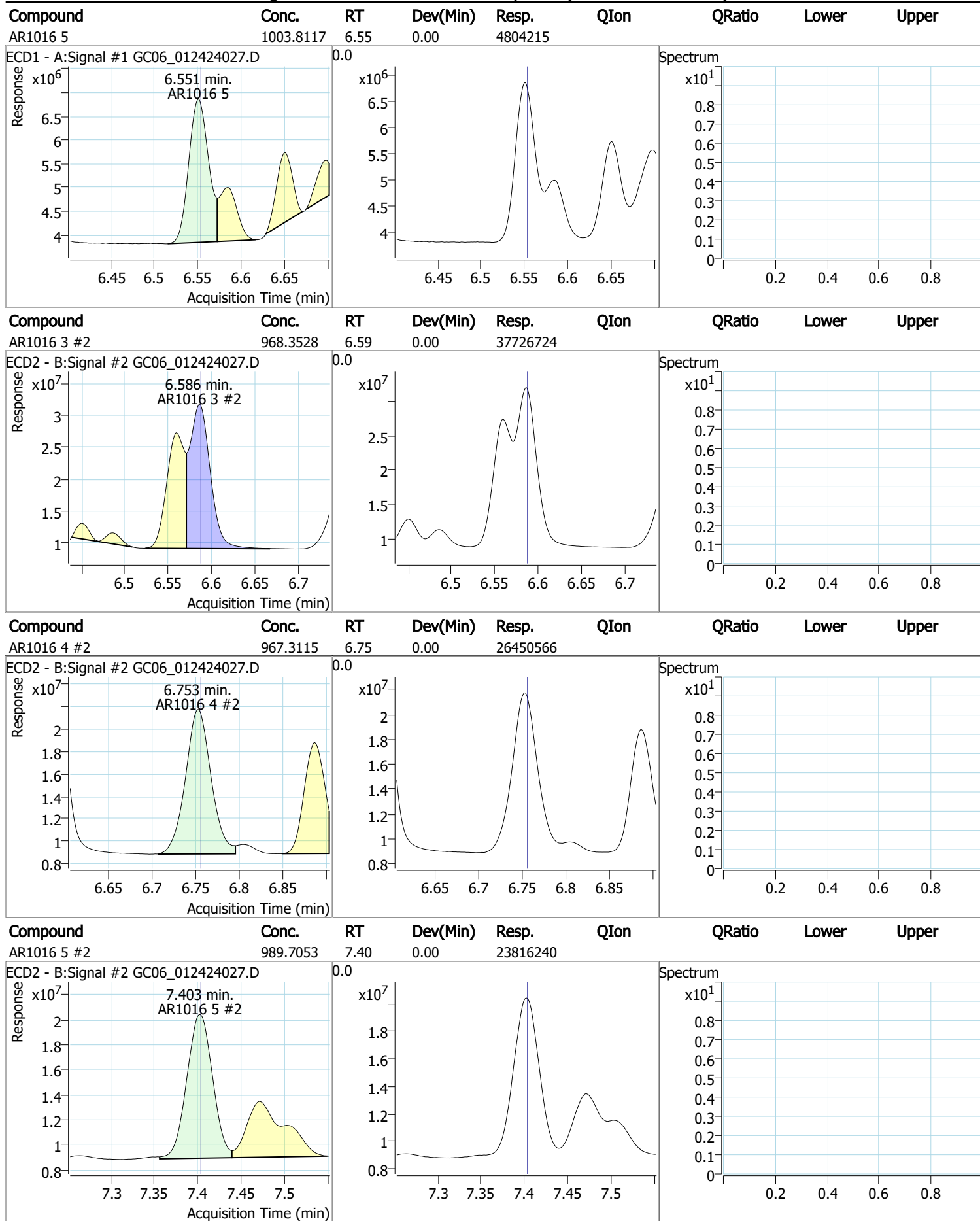
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	967.5727	6.07	0.00	27928192				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1018.8247	6.12	0.00	5815014				

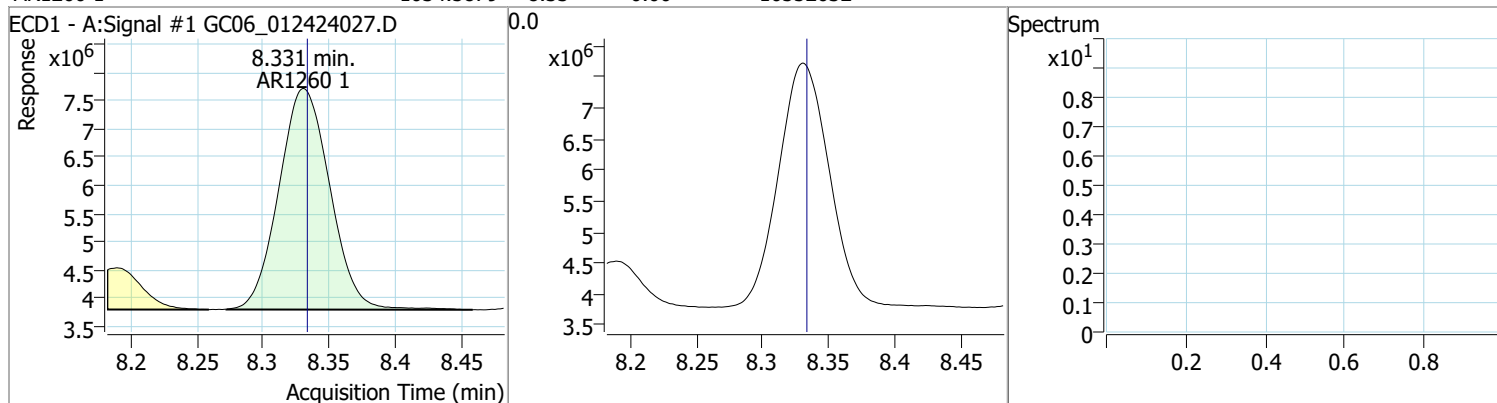


Quantitation Results Report (Not Reviewed)

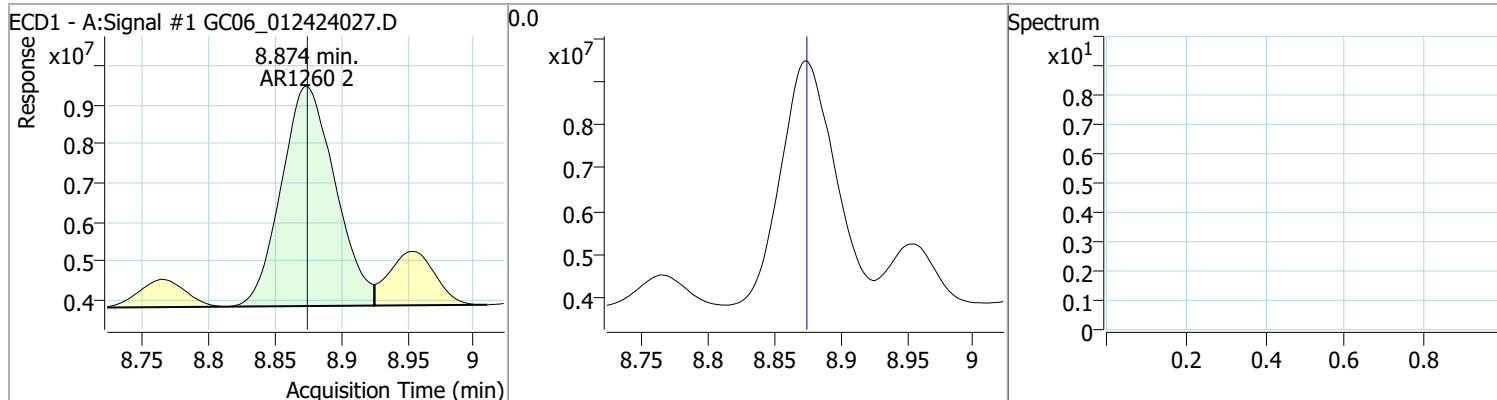


Quantitation Results Report (Not Reviewed)

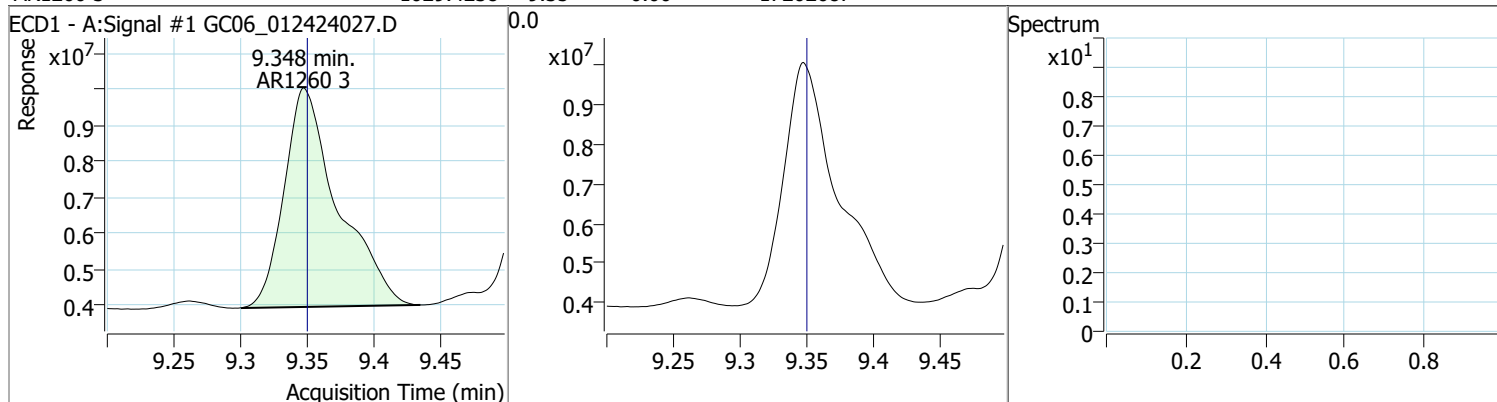
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1034.5879	8.33	0.00	10552632				



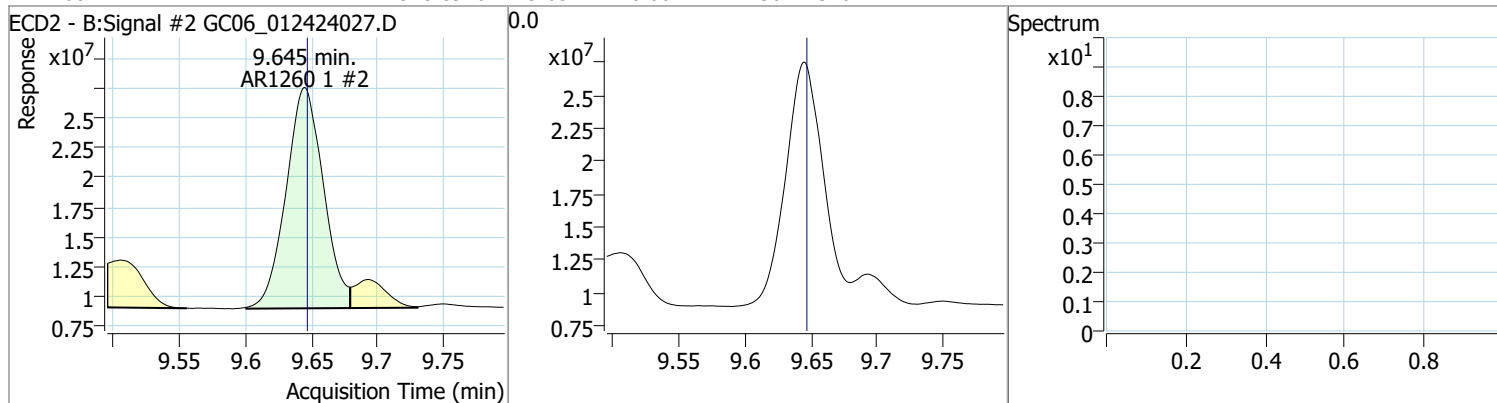
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1042.1581	8.87	0.00	16032520				



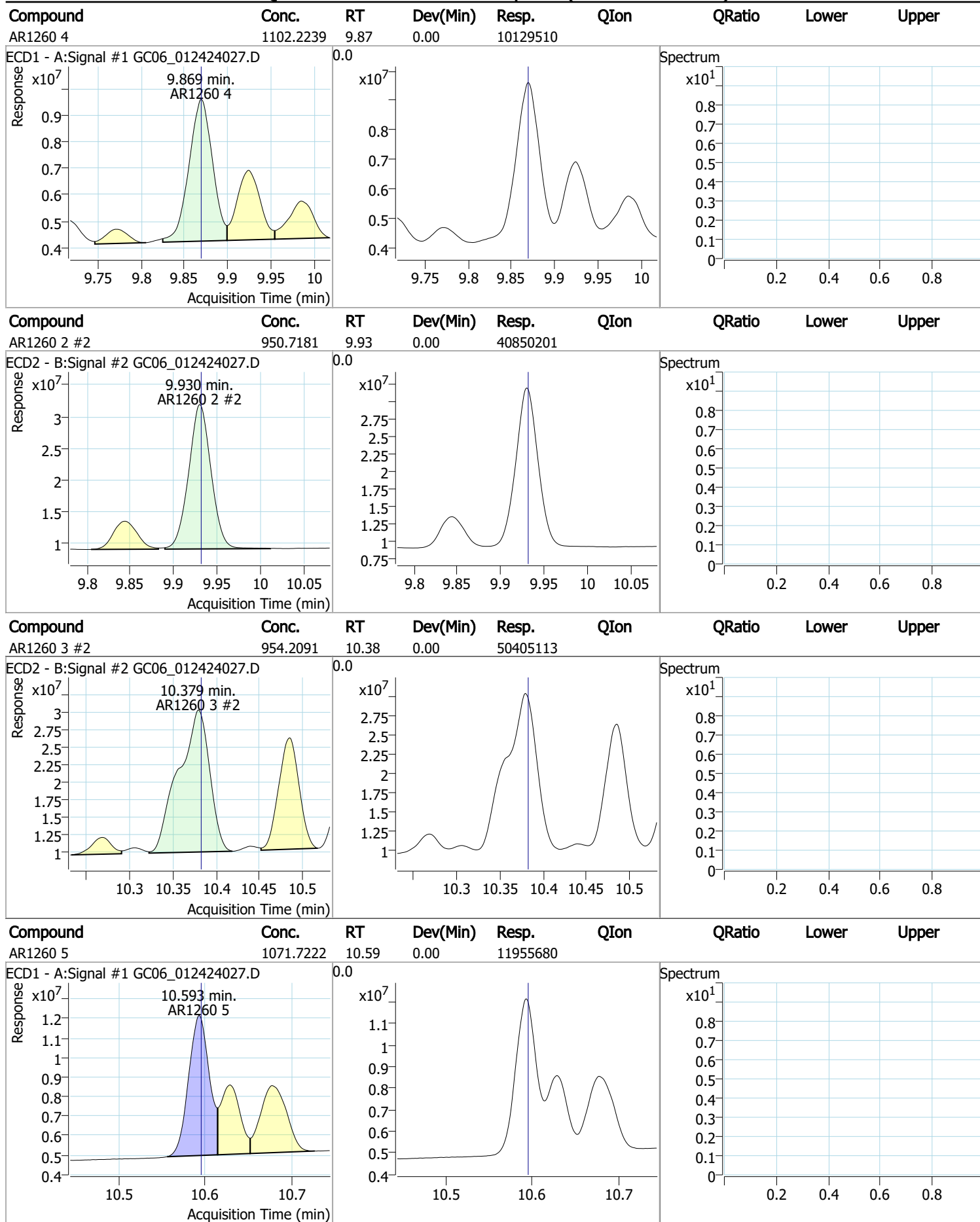
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1029.4238	9.35	0.00	17202687				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	975.8946	9.65	0.00	36271320				

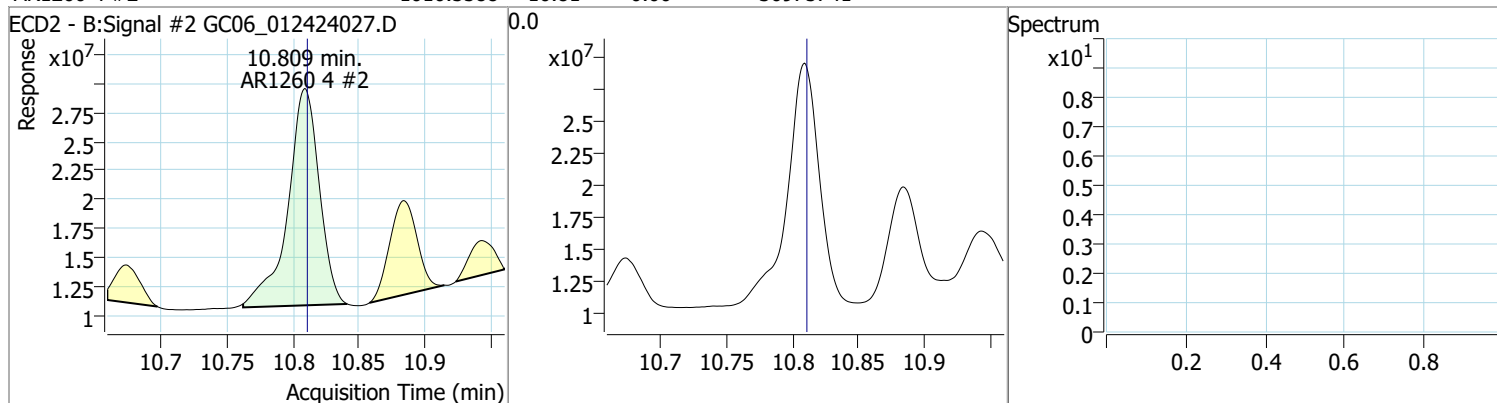


Quantitation Results Report (Not Reviewed)

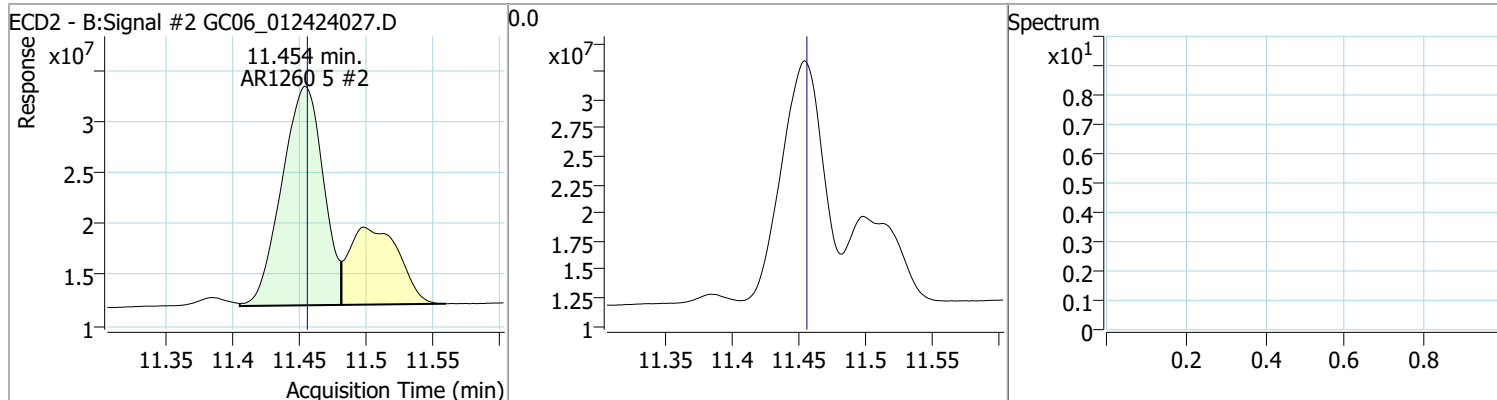


Quantitation Results Report (Not Reviewed)

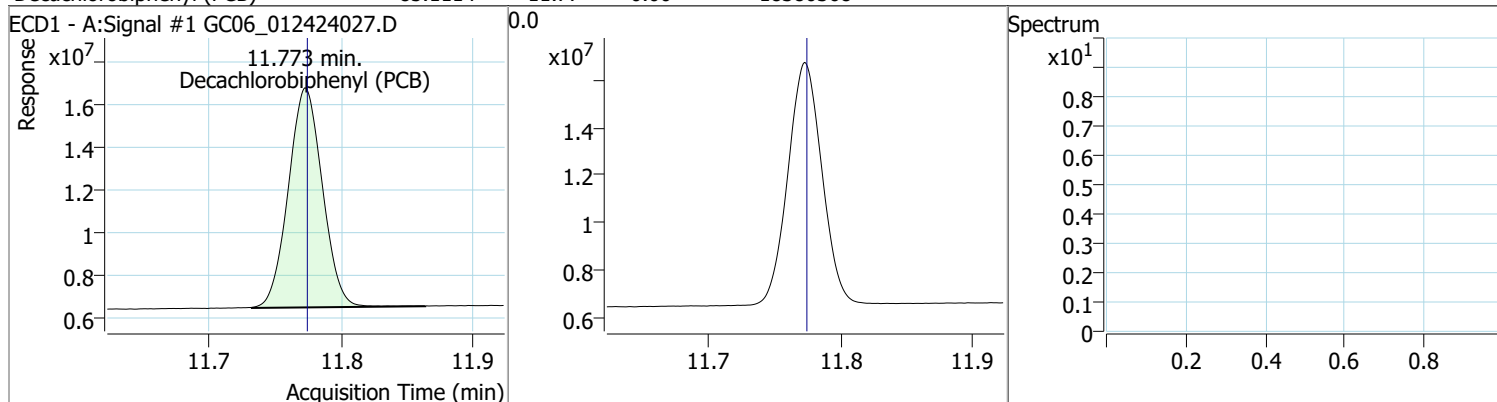
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1010.5588	10.81	0.00	30975741				



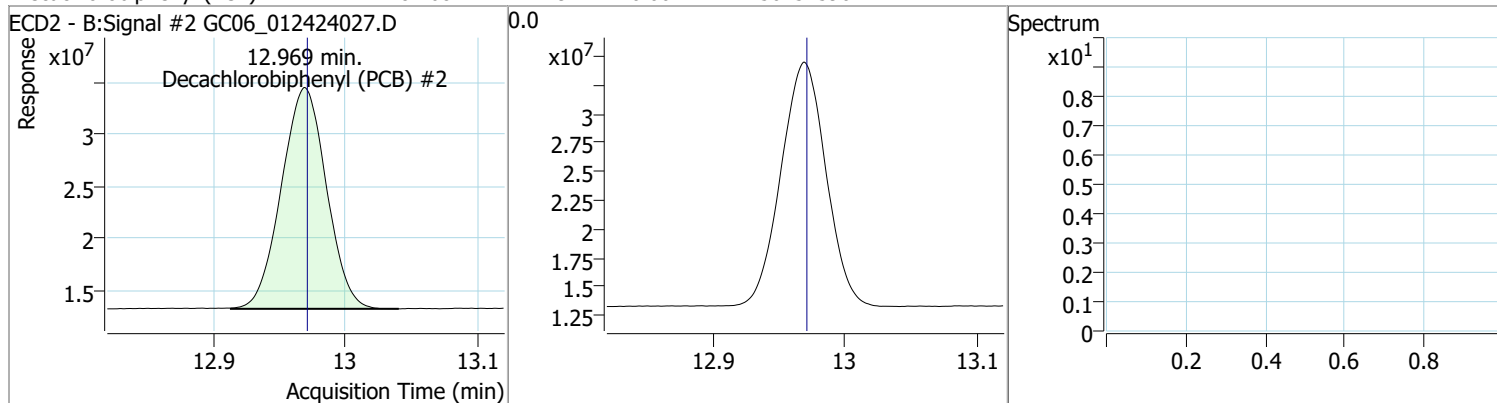
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1000.2906	11.45	0.00	46734625				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	85.1114	11.77	0.00	18380368				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	81.6812	12.97	0.00	50157590				

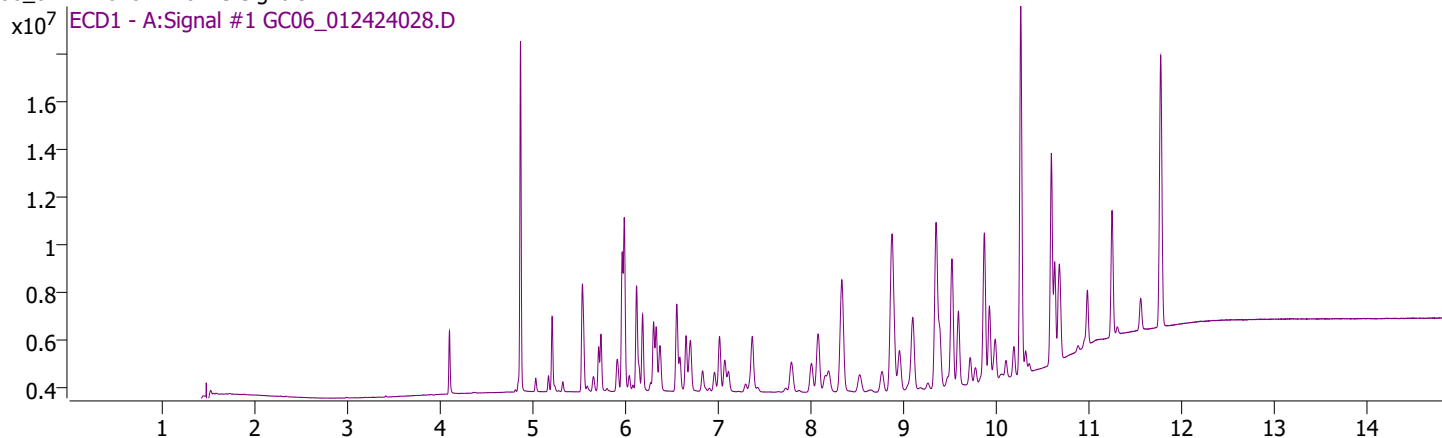


Quantitation Results Report (Not Reviewed)

Data File	GC06_012424028.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 6:07:35 PM
Sample Name	ICAL, S19339	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:35:37 PM
Ref Library			

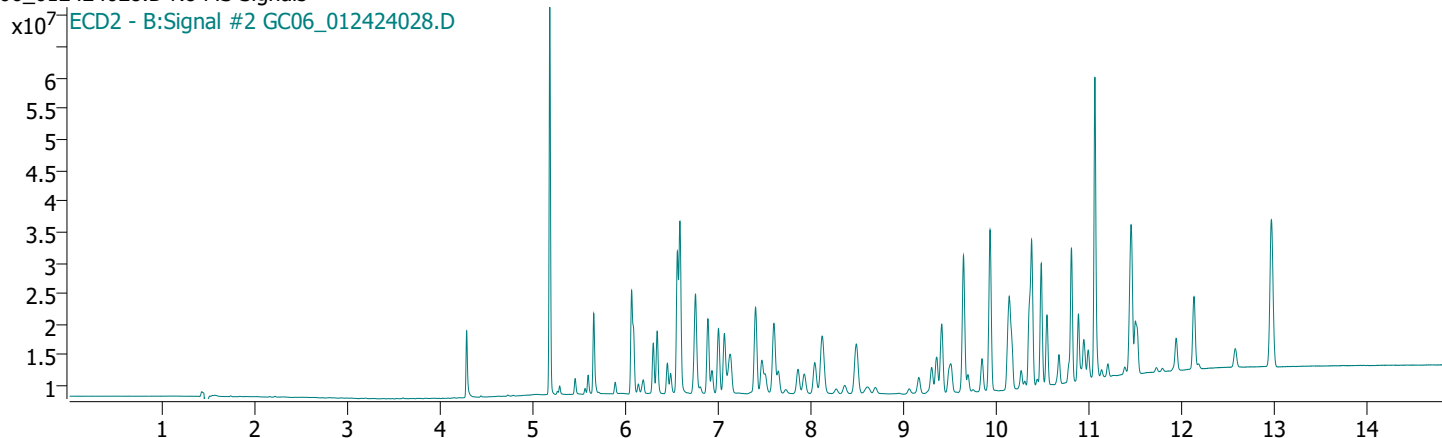
GC06_012424028.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_012424028.D



GC06_012424028.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_012424028.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.098	0.0	2718650.67 1	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.284	0.0	12915309.4 01	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.865	0.0	14972742.0 16	119.5549	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 597.77%	*	
S TCMX (PCB) #2	5.181	0.0	66540489.8 78	104.4758	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 522.38%	*	
S Decachlorobiphenyl (PCB)	11.773	0.0	20970864.3 55	103.0995	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 515.50%	*	
S Decachlorobiphenyl (PCB) #2	12.966	0.0	56249398.7 76	97.8305	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 489.15%	*	

Target Compounds

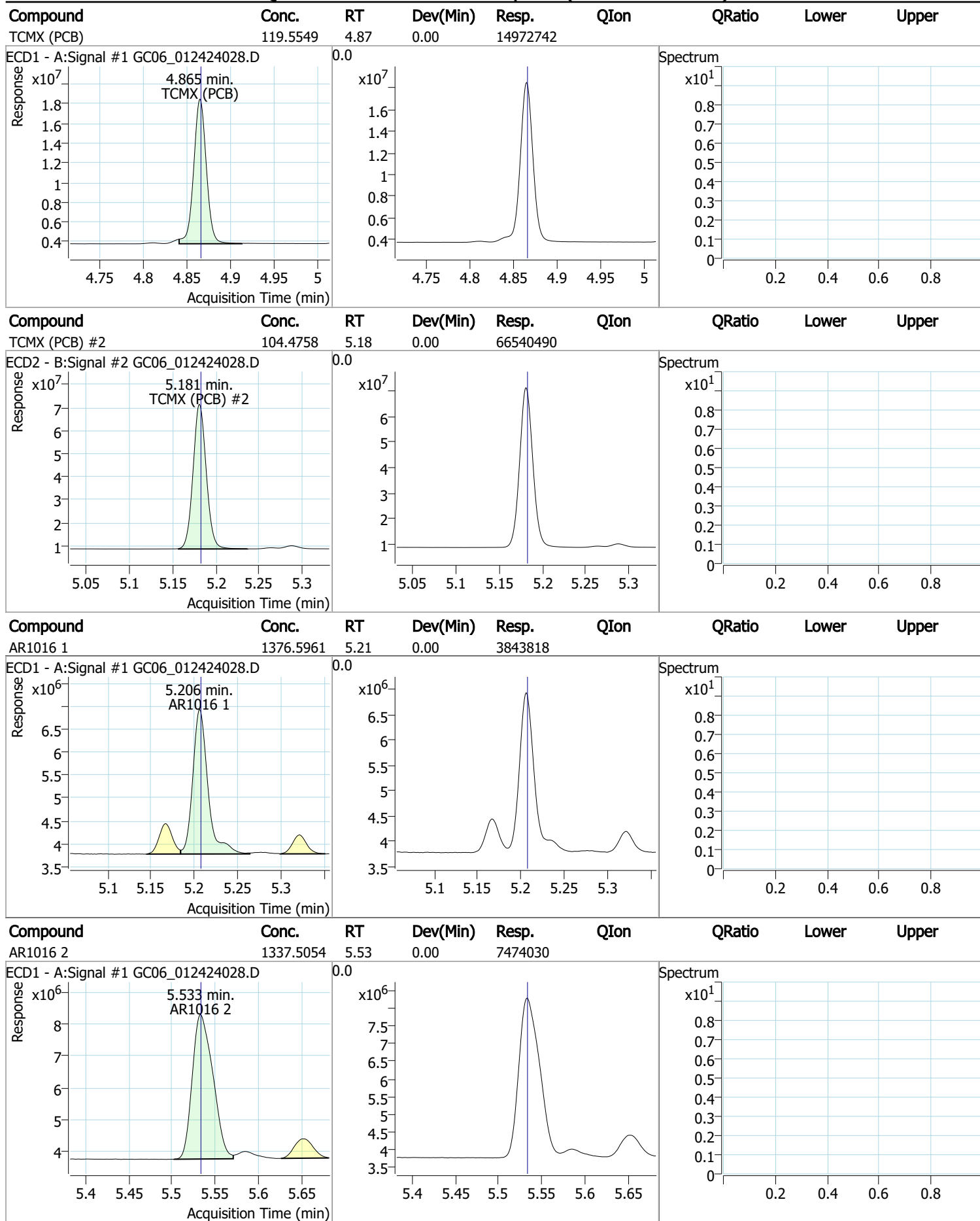
QValue

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.206	0.0	3843818.307	1376.5961	ng/ml	100
T AR1016 2	5.533	0.0	7474030.230	1337.5054	ng/ml	100
T AR1016 1 #2	5.655	0.0	17566927.320	1091.1781	ng/ml	100
T AR1016 3	5.984	0.0	9763816.656	1335.3687	ng/ml	100
T AR1016 2 #2	6.064	0.0	34571821.083	1279.1873	ng/ml	100
T AR1016 4	6.118	0.0	7060289.000	1313.3422	ng/ml	100
T AR1016 5	6.551	0.0	5837329.710	1294.9435	ng/ml	100
T AR1016 3 #2	6.585	0.0	45826331.064	1256.2344	ng/ml	100
T AR1016 4 #2	6.753	0.0	31986813.488	1249.3193	ng/ml	100
T AR1016 5 #2	7.401	0.0	28353810.721	1258.3898	ng/ml	100
T AR1260 1	8.332	0.0	12370957.071	1287.7057	ng/ml	100
T AR1260 2	8.874	0.0	18783521.034	1296.3300	ng/ml	100
T AR1260 3	9.348	0.0	20100203.425	1277.0418	ng/ml m	100
T AR1260 1 #2	9.644	0.0	42368424.688	1217.4552	ng/ml	100
T AR1260 4	9.870	0.0	11798915.989	1363.1079	ng/ml	100
T AR1260 2 #2	9.931	0.0	47457653.866	1179.6005	ng/ml	100
T AR1260 3 #2	10.379	0.0	58870158.598	1190.2420	ng/ml	100
T AR1260 5	10.593	0.0	14526522.542	1382.5357	ng/ml	100
T AR1260 4 #2	10.809	0.0	36053447.868	1256.1971	ng/ml	100
T AR1260 5 #2	11.453	0.0	53226795.848	1216.7149	ng/ml	100

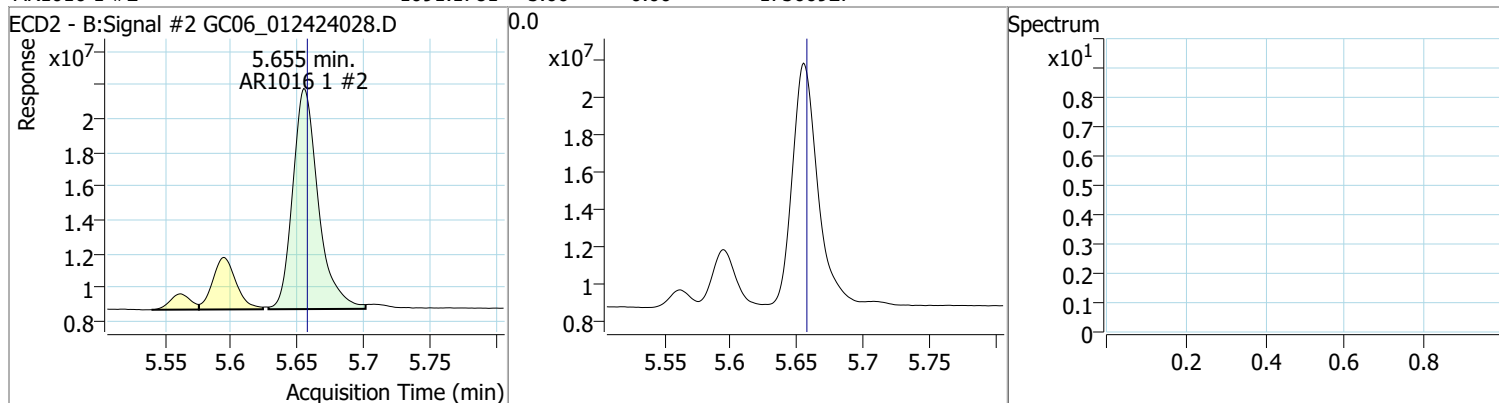
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

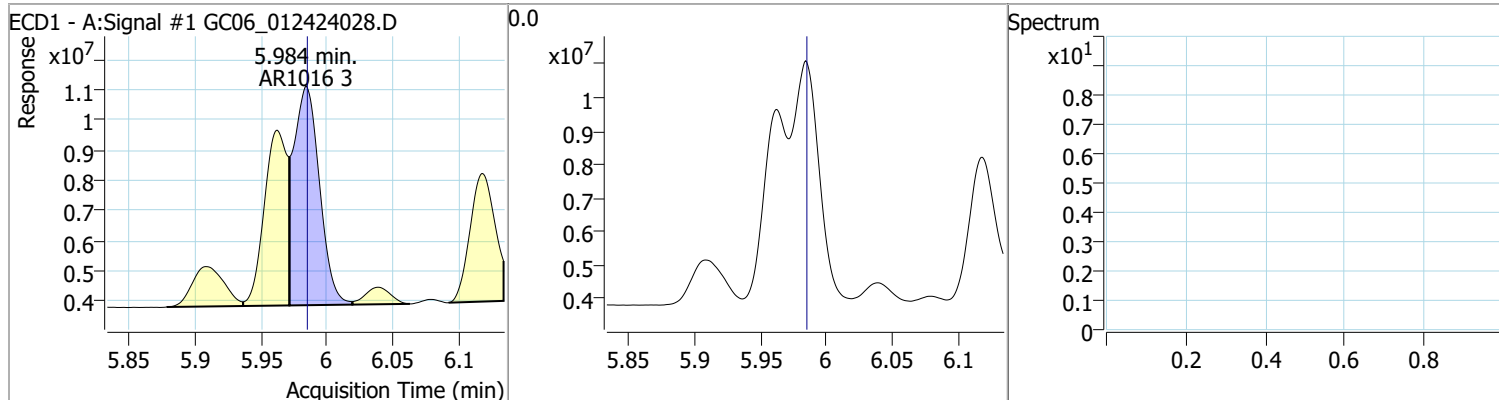


Quantitation Results Report (Not Reviewed)

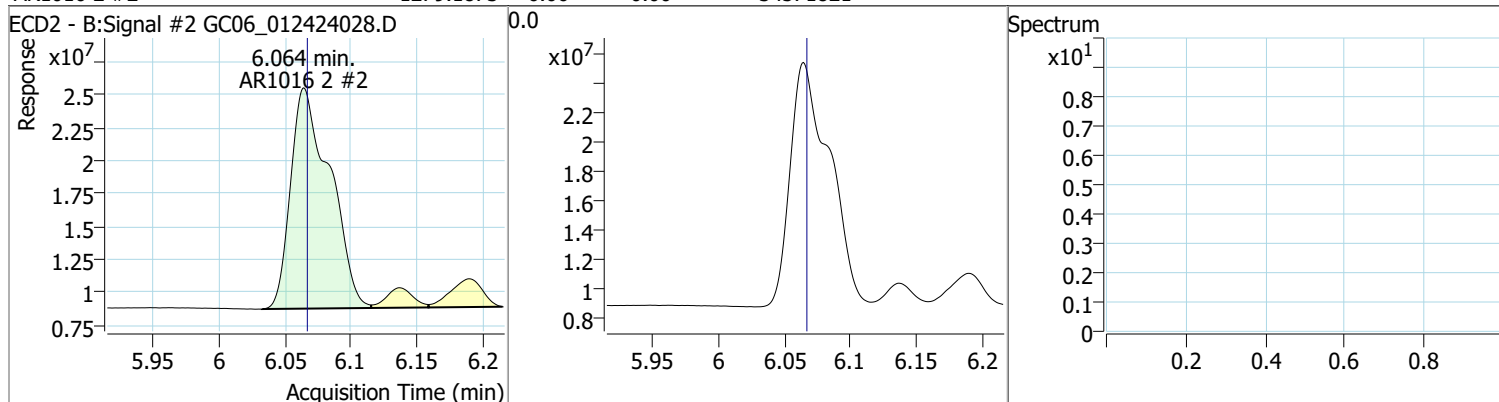
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1091.1781	5.66	0.00	17566927				



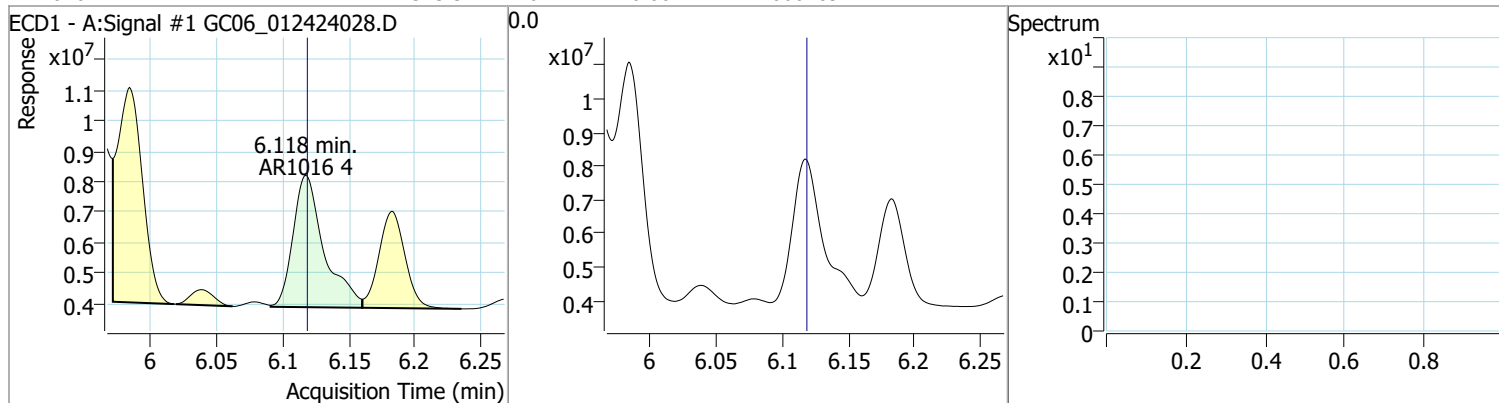
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1335.3687	5.98	0.00	9763817				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1279.1873	6.06	0.00	34571821				

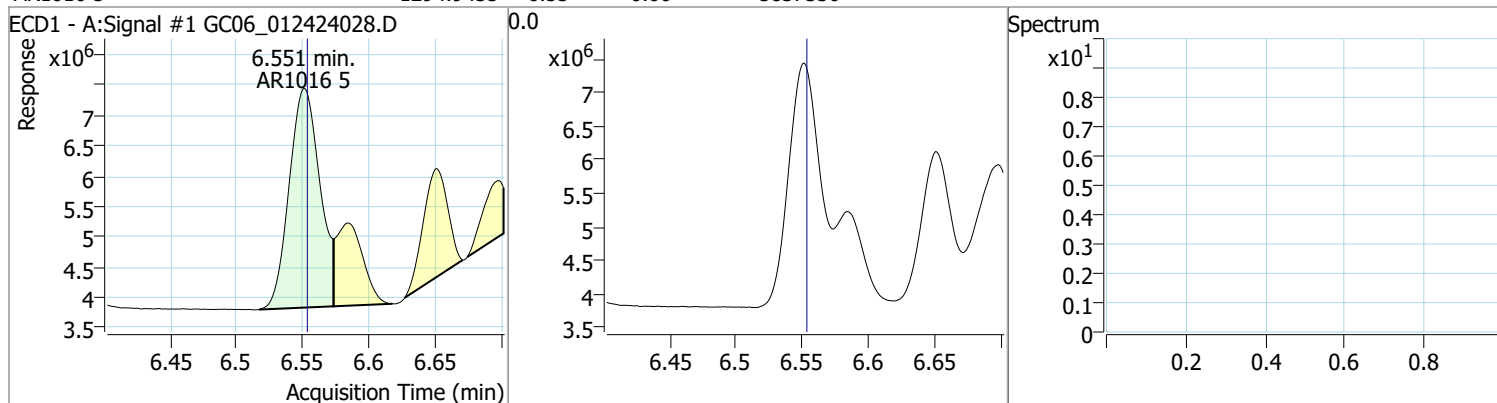


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1313.3422	6.12	0.00	7060289				

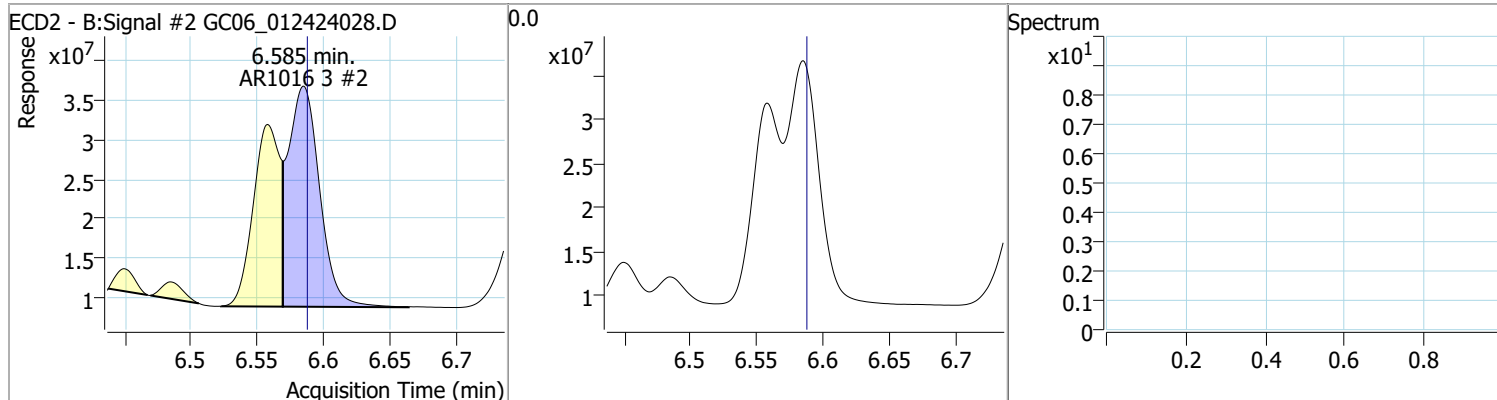


Quantitation Results Report (Not Reviewed)

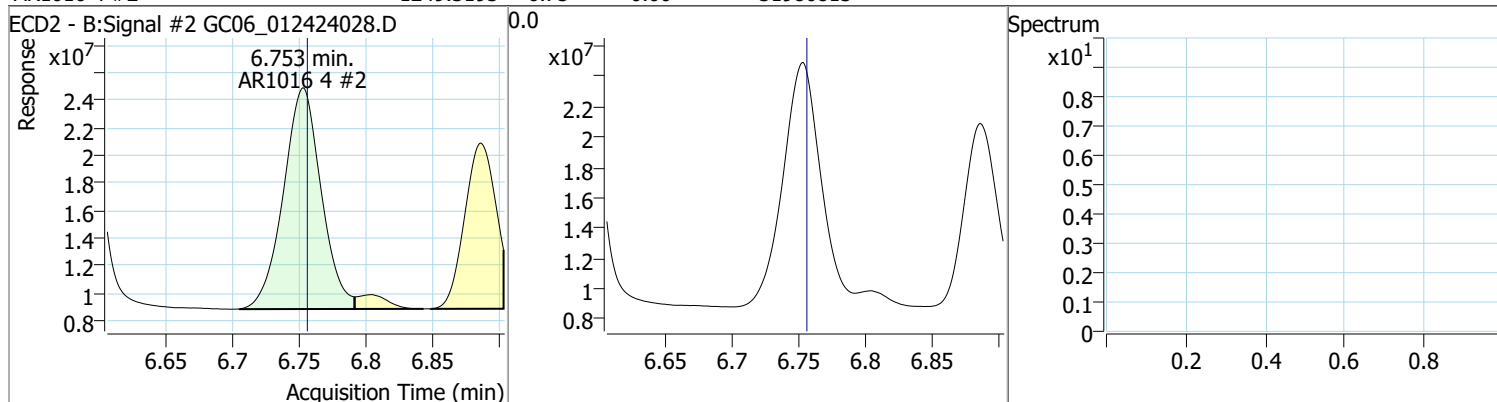
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1294.9435	6.55	0.00	5837330				



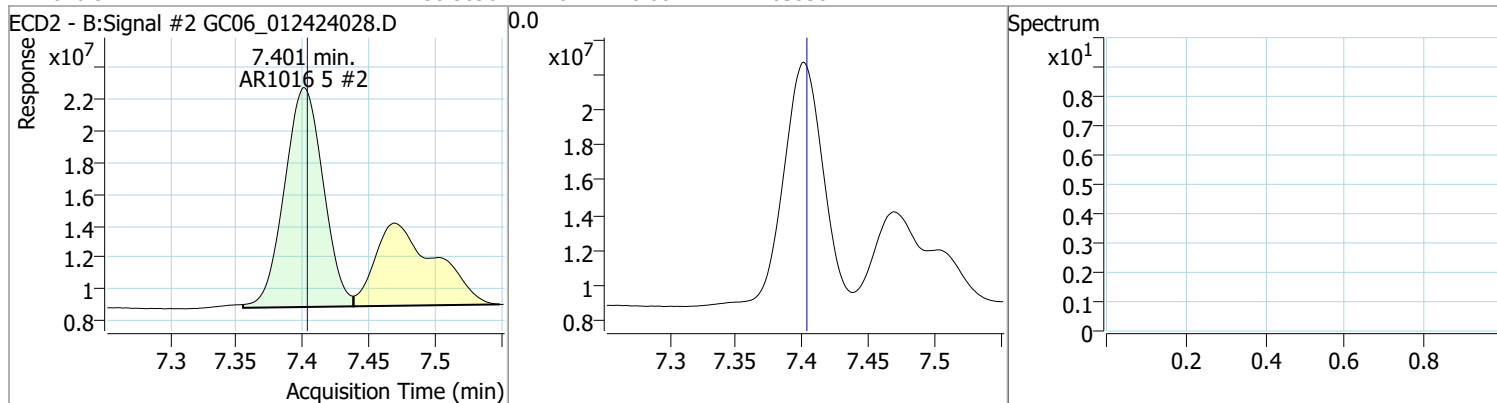
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1256.2344	6.59	0.00	45826331				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1249.3193	6.75	0.00	31986813				

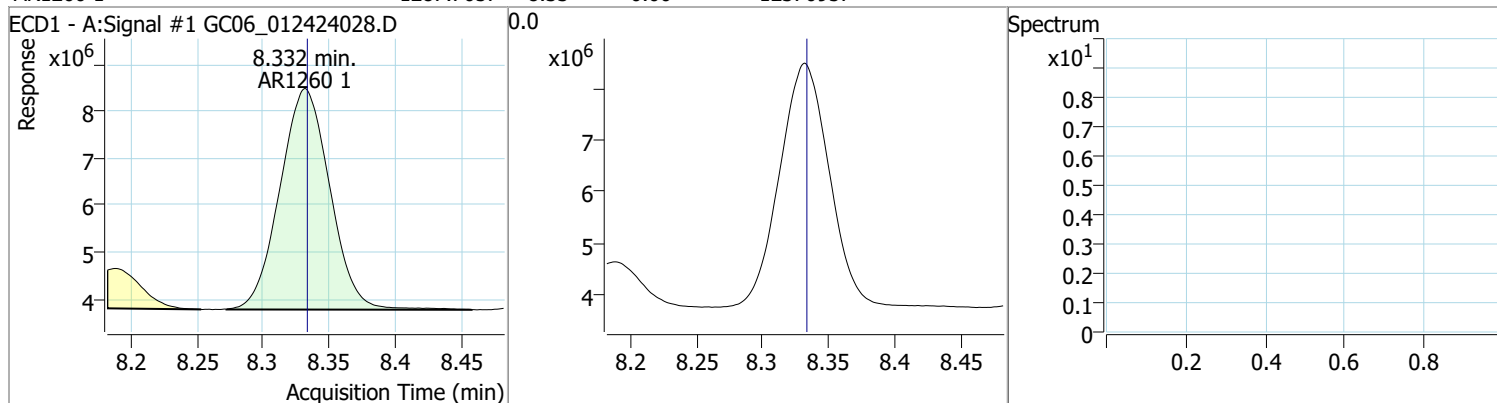


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1258.3898	7.40	0.00	28353811				

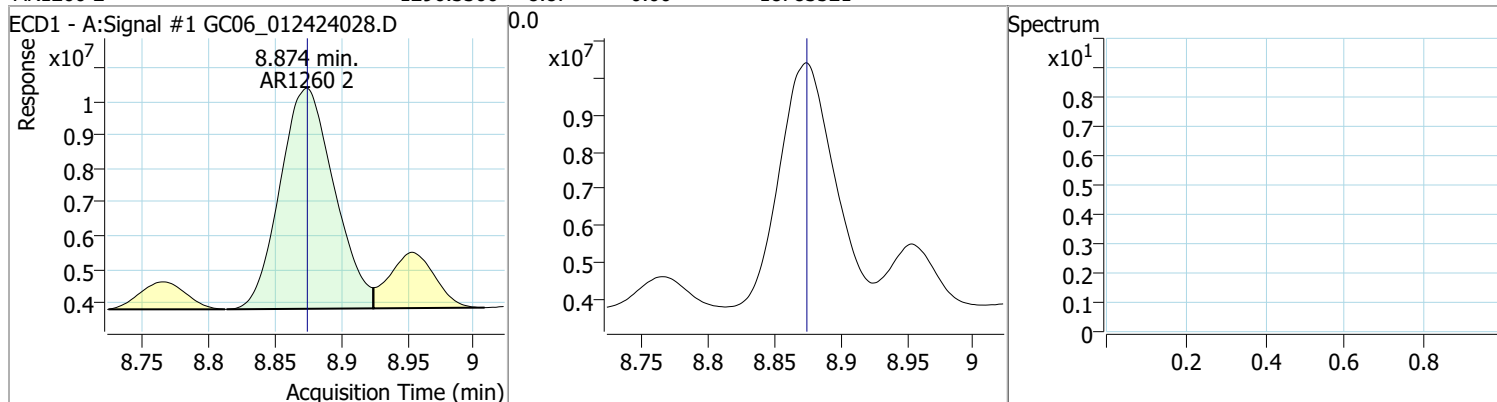


Quantitation Results Report (Not Reviewed)

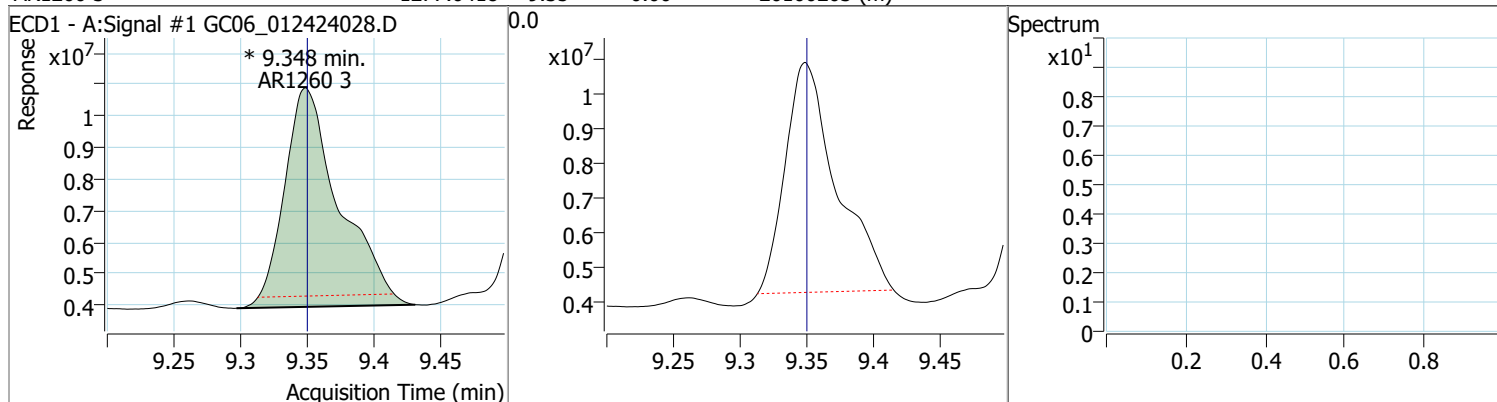
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1287.7057	8.33	0.00	12370957				



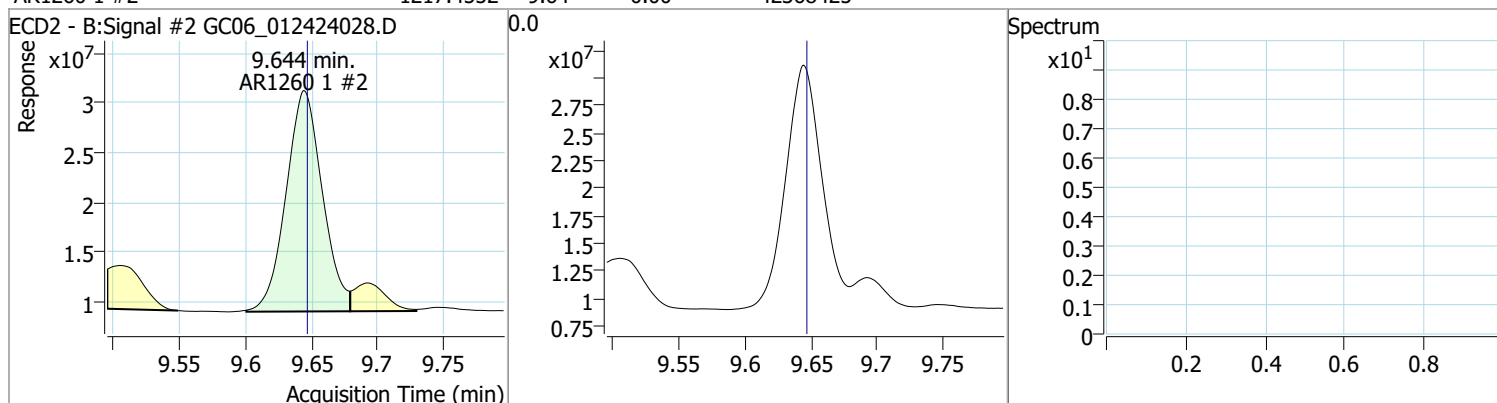
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1296.3300	8.87	0.00	18783521				



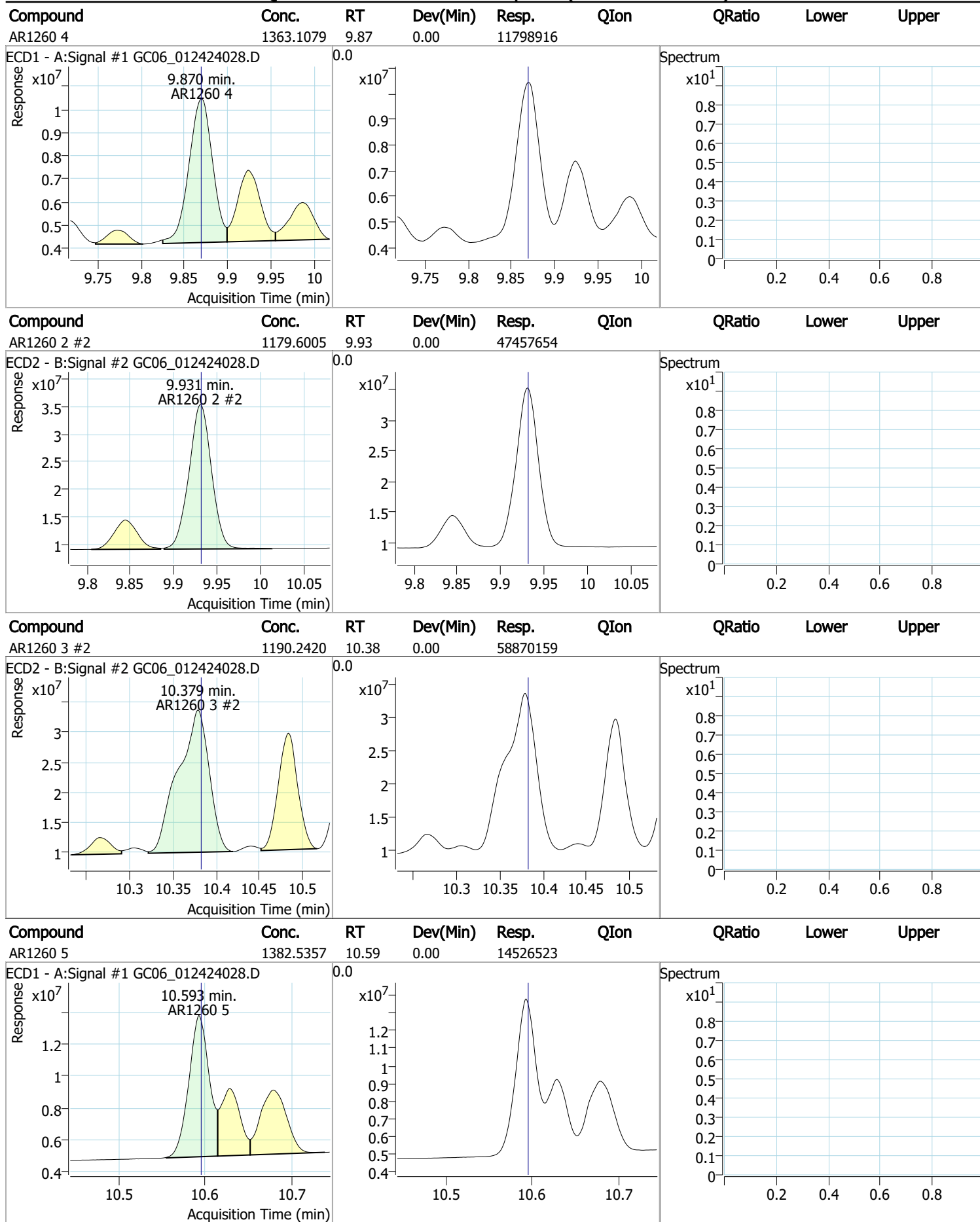
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1277.0418	9.35	0.00	20100203 (m)				



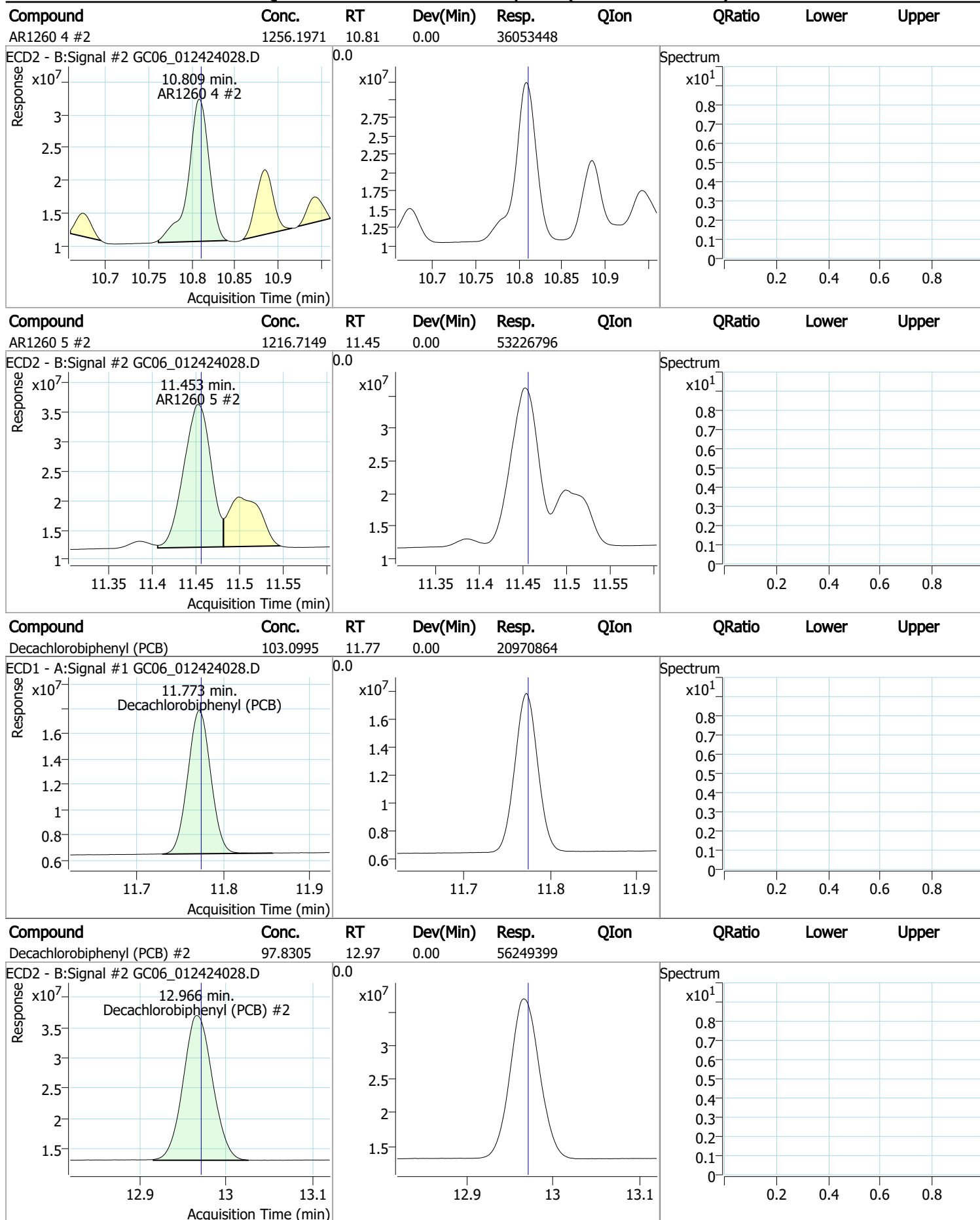
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1217.4552	9.64	0.00	42368425				



Quantitation Results Report (Not Reviewed)



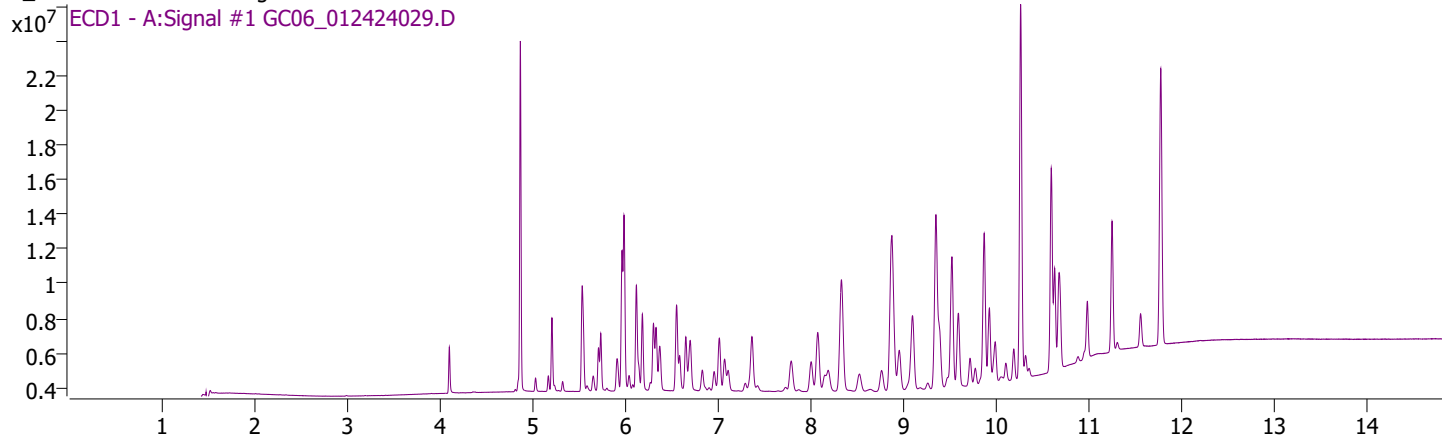
Quantitation Results Report (Not Reviewed)



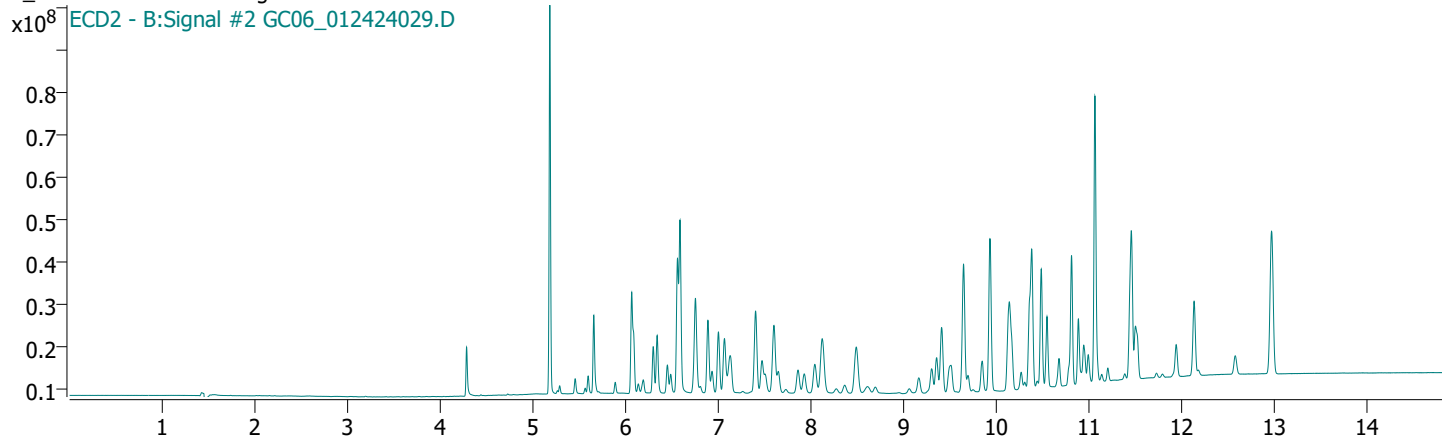
Quantitation Results Report (Not Reviewed)

Data File	GC06_012424029.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 6:27:37 PM
Sample Name	ICAL, S19339	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:35:37 PM
Ref Library			

GC06_012424029.D No MS Signals



GC06_012424029.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.097	0.0	2715457.50 5	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.283	0.0	13866664.0 91	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.863	0.0	20726942.0 61	165.6958	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 828.48%	*	
S TCMX (PCB) #2	5.181	0.0	96853508.8 42	141.6374	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 708.19%	*	
S Decachlorobiphenyl (PCB)	11.772	0.0	29019852.7 06	142.8387	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 714.19%	*	
S Decachlorobiphenyl (PCB) #2	12.967	0.0	81092410.9 27	131.3620	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 656.81%	*	

Target Compounds

QValue

Quantitation Results Report (Not Reviewed)

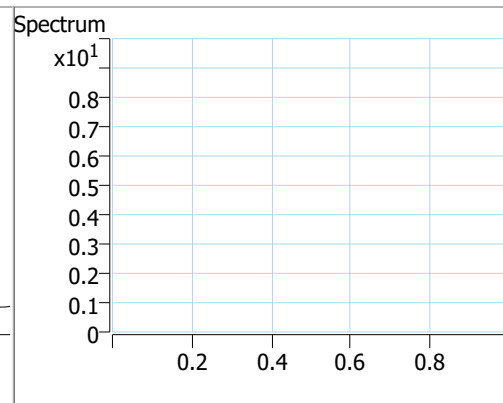
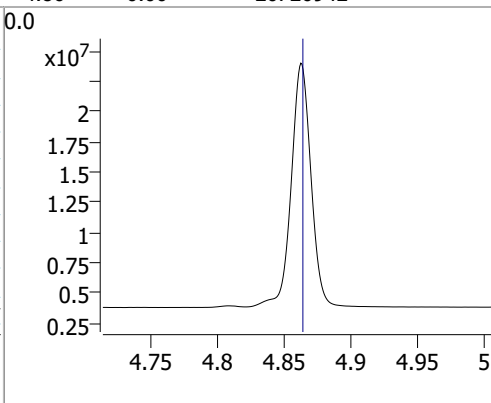
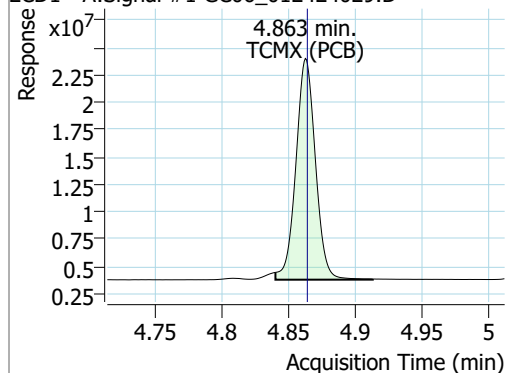
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.203	0.0	5222288.85 0	1872.4704	ng/ml	100
T AR1016 2	5.530	0.0	10036007.3 65	1798.0926	ng/ml	100
T AR1016 1 #2	5.655	0.0	24105894.1 96	1394.6201	ng/ml	100
T AR1016 3	5.981	0.0	13612991.8 94	1863.9985	ng/ml	100
T AR1016 2 #2	6.064	0.0	47821185.5 16	1648.0297	ng/ml	100
T AR1016 4	6.114	0.0	9627222.78 9	1792.9445	ng/ml	100
T AR1016 5	6.548	0.0	7899686.65 8	1754.5140	ng/ml	100
T AR1016 3 #2	6.585	0.0	64180242.0 80	1638.6634	ng/ml	100
T AR1016 4 #2	6.751	0.0	44412237.2 24	1615.6152	ng/ml	100
T AR1016 5 #2	7.400	0.0	38808084.6 42	1604.2011	ng/ml	100
T AR1260 1	8.326	0.0	16919833.4 68	1763.2740	ng/ml	100
T AR1260 2	8.871	0.0	25815686.0 11	1783.7445	ng/ml	100
T AR1260 3	9.346	0.0	27942417.8 50	1777.3749	ng/ml m	100
T AR1260 1 #2	9.644	0.0	59903635.7 64	1603.2331	ng/ml	100
T AR1260 4	9.867	0.0	16411372.6 73	1898.2064	ng/ml	100
T AR1260 2 #2	9.928	0.0	66920826.9 41	1549.2546	ng/ml	100
T AR1260 3 #2	10.379	0.0	83782167.4 58	1577.7002	ng/ml	100
T AR1260 5	10.590	0.0	19369287.4 50	1845.6049	ng/ml	100
T AR1260 4 #2	10.809	0.0	50049760.0 26	1624.2235	ng/ml	100
T AR1260 5 #2	11.453	0.0	77697646.6 30	1654.2426	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)

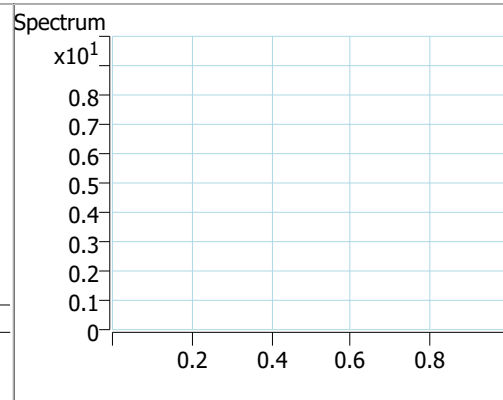
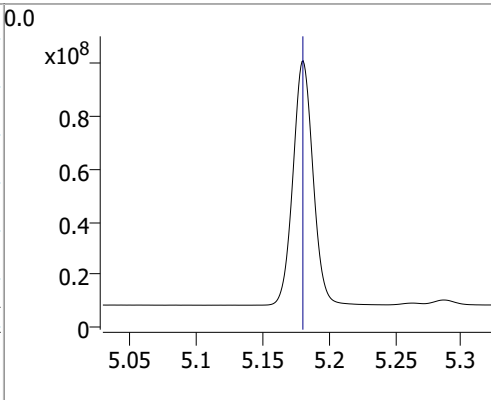
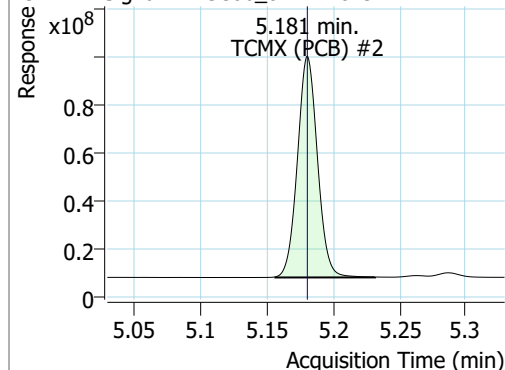
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	165.6958	4.86	0.00	20726942				

ECD1 - A:Signal #1 GC06_012424029.D



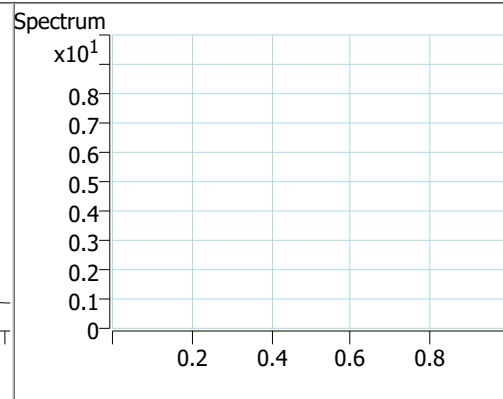
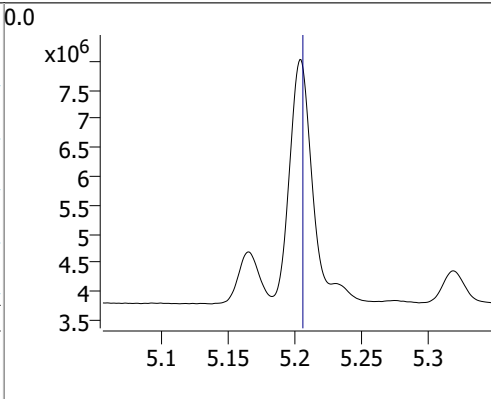
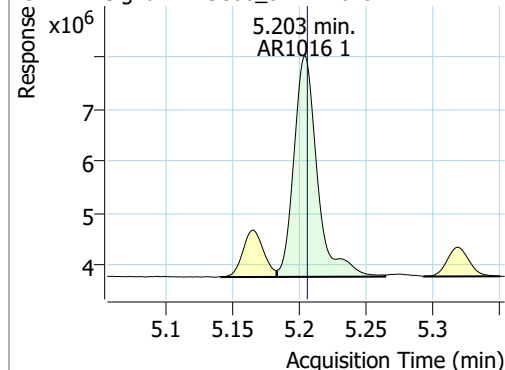
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	141.6374	5.18	0.00	96853509				

ECD2 - B:Signal #2 GC06_012424029.D



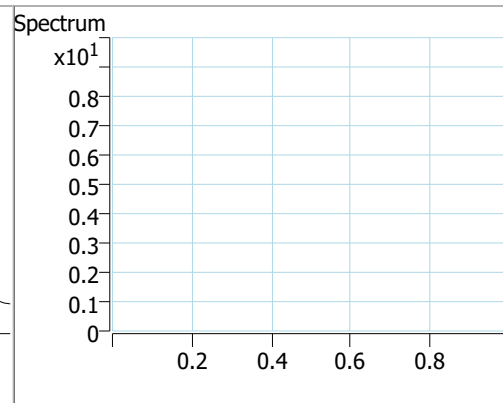
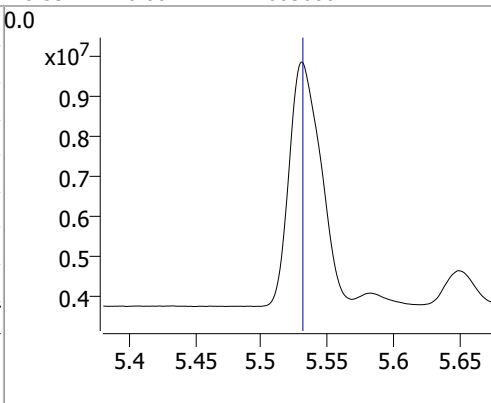
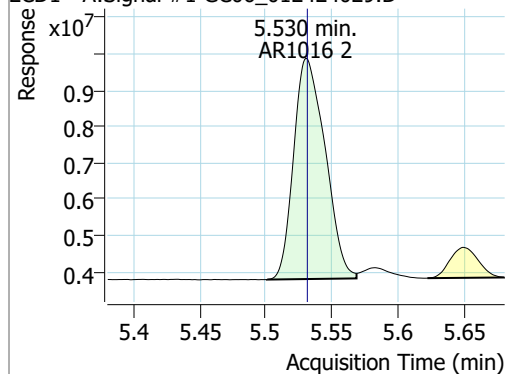
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1872.4704	5.20	0.00	5222289				

ECD1 - A:Signal #1 GC06_012424029.D



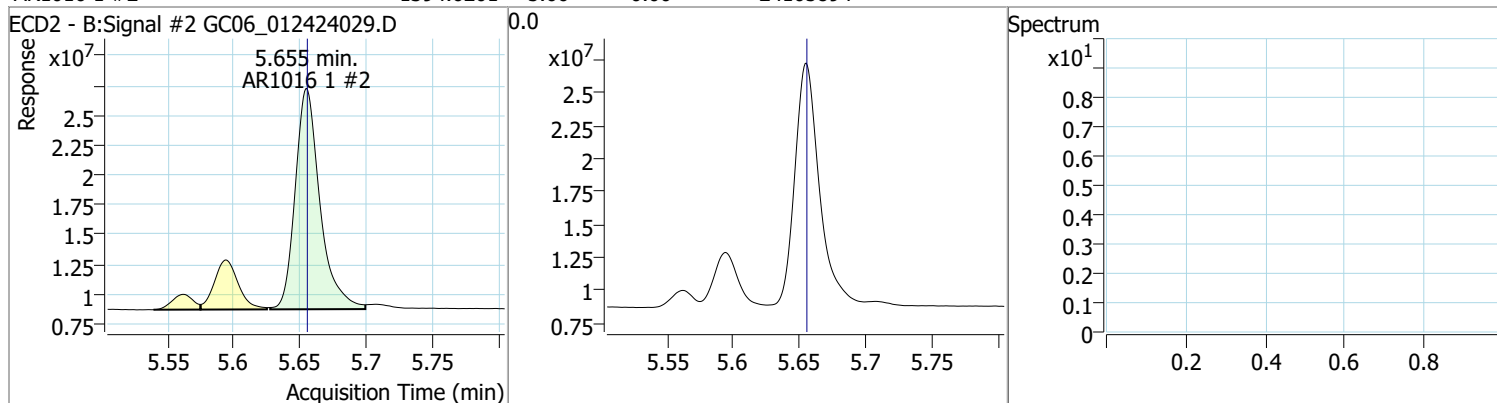
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1798.0926	5.53	0.00	10036007				

ECD1 - A:Signal #1 GC06_012424029.D

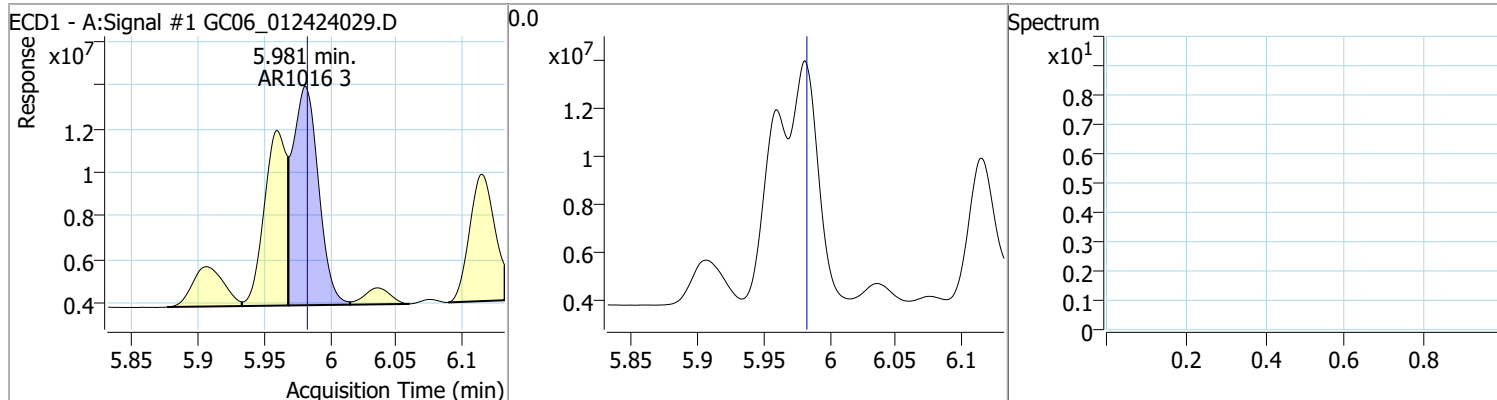


Quantitation Results Report (Not Reviewed)

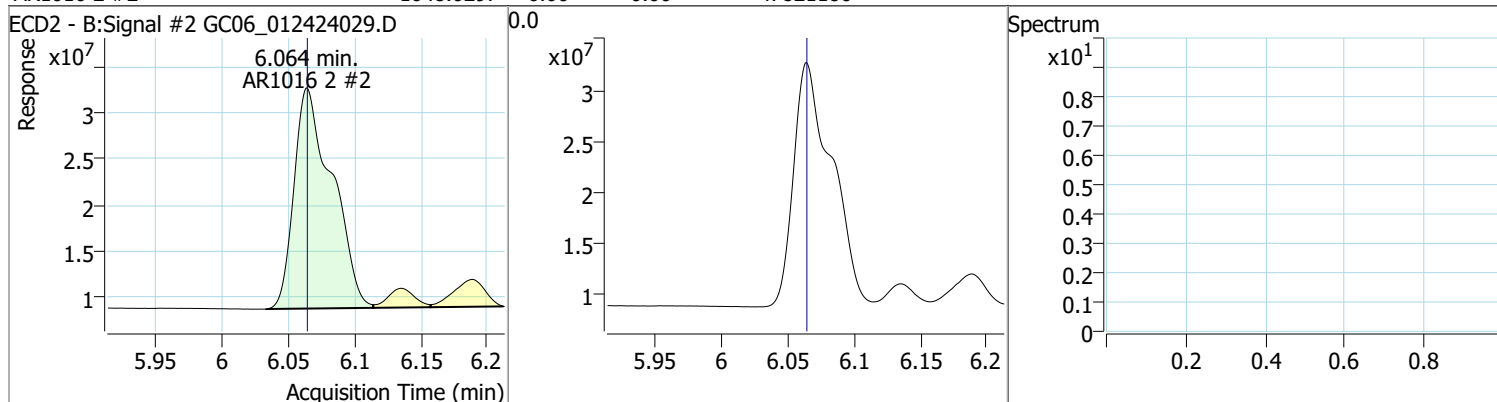
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1394.6201	5.66	0.00	24105894				



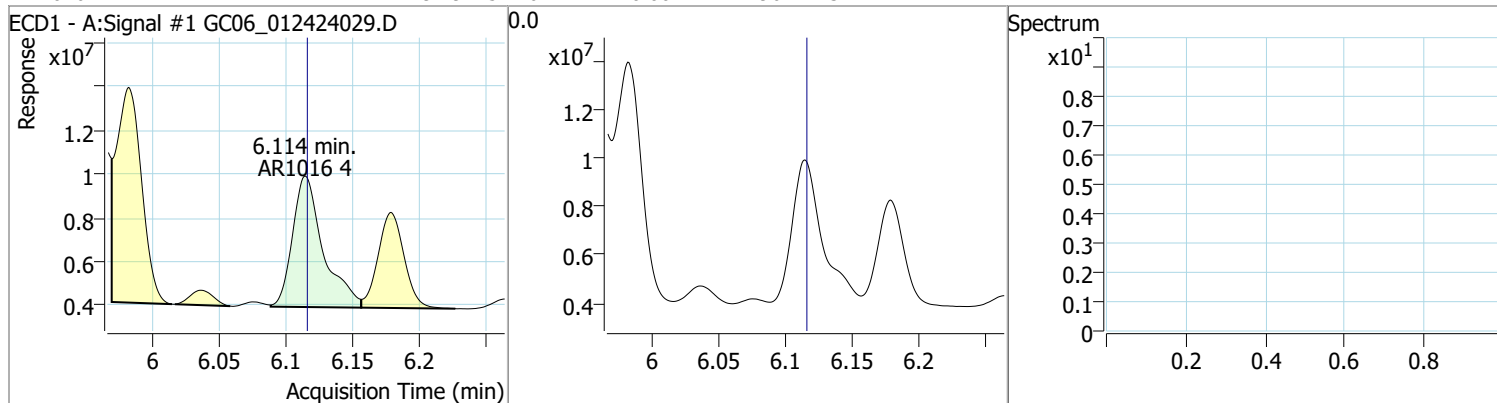
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1863.9985	5.98	0.00	13612992				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1648.0297	6.06	0.00	47821186				

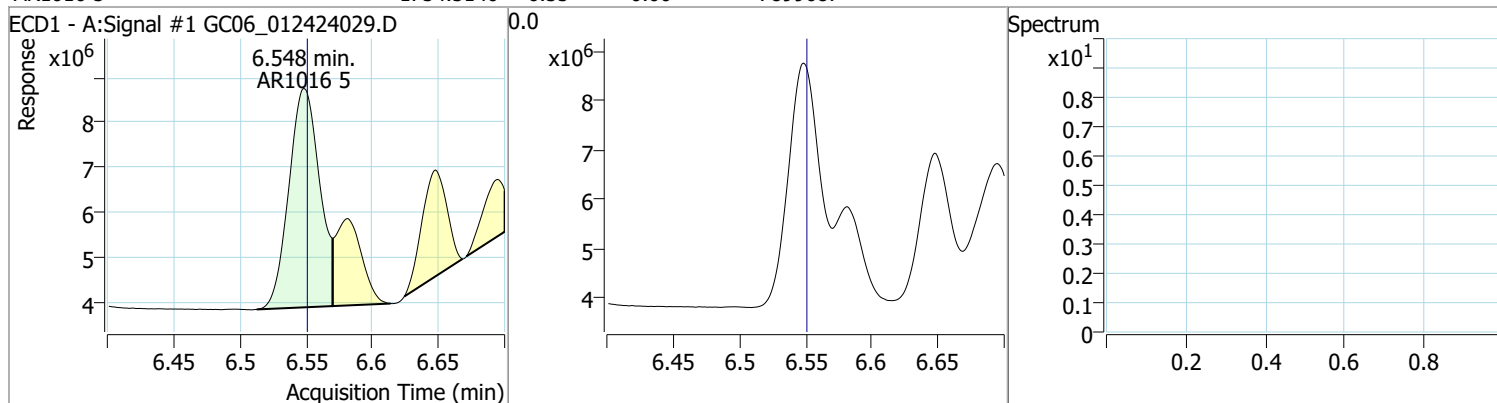


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1792.9445	6.11	0.00	9627223				

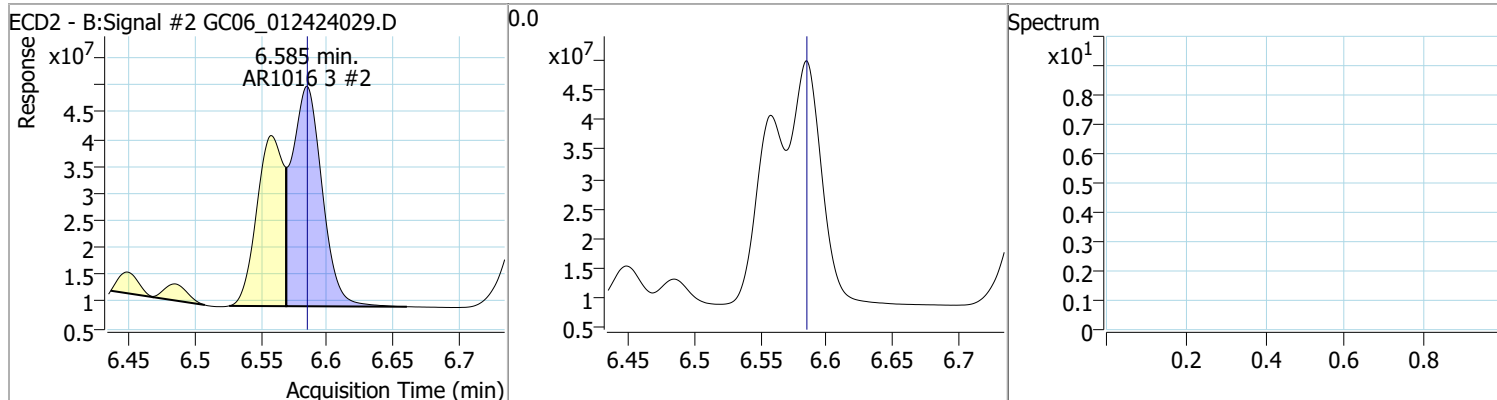


Quantitation Results Report (Not Reviewed)

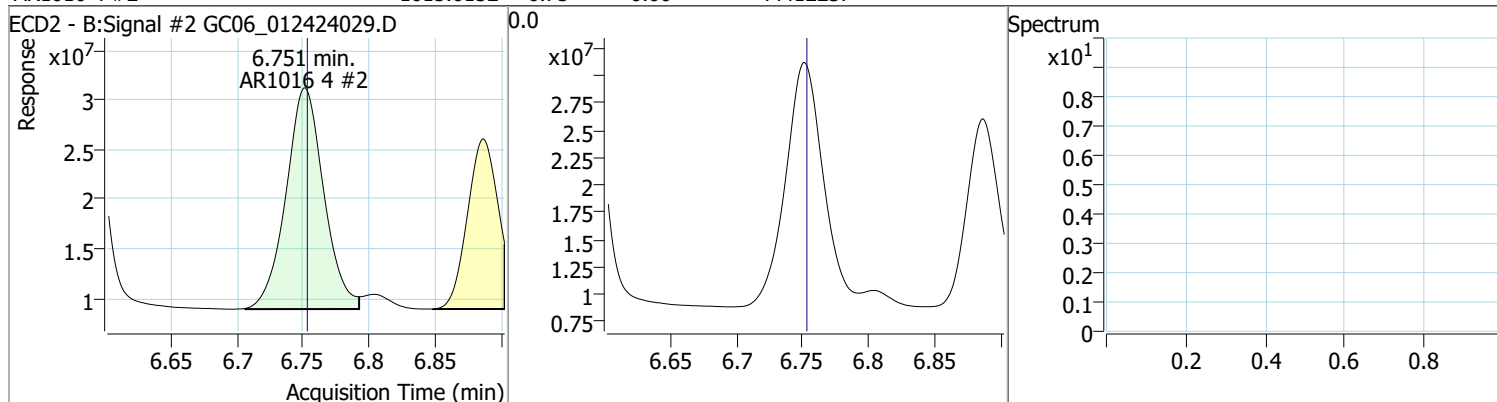
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1754.5140	6.55	0.00	7899687				



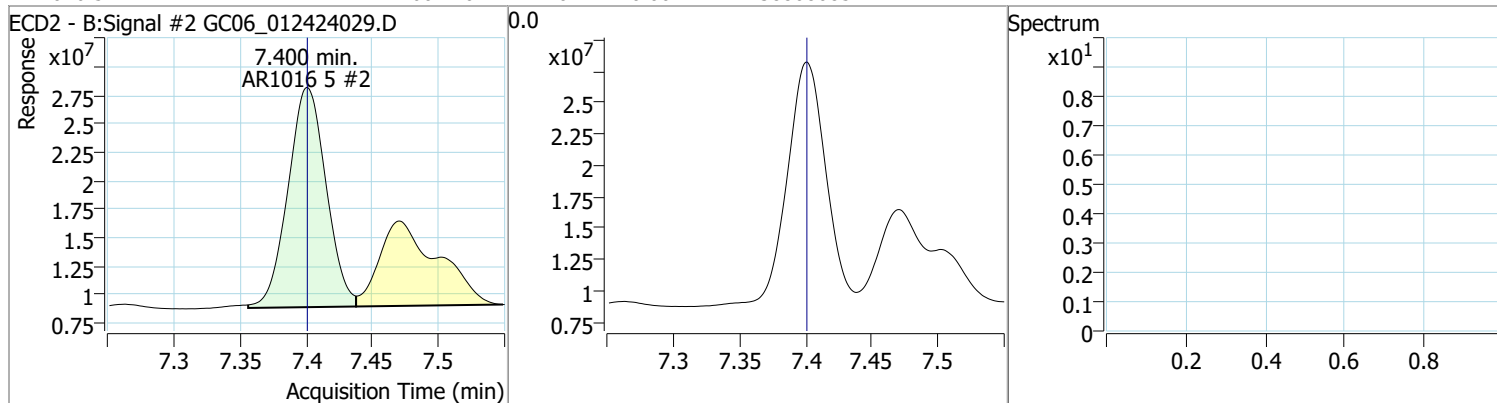
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1638.6634	6.59	0.00	64180242				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1615.6152	6.75	0.00	44412237				

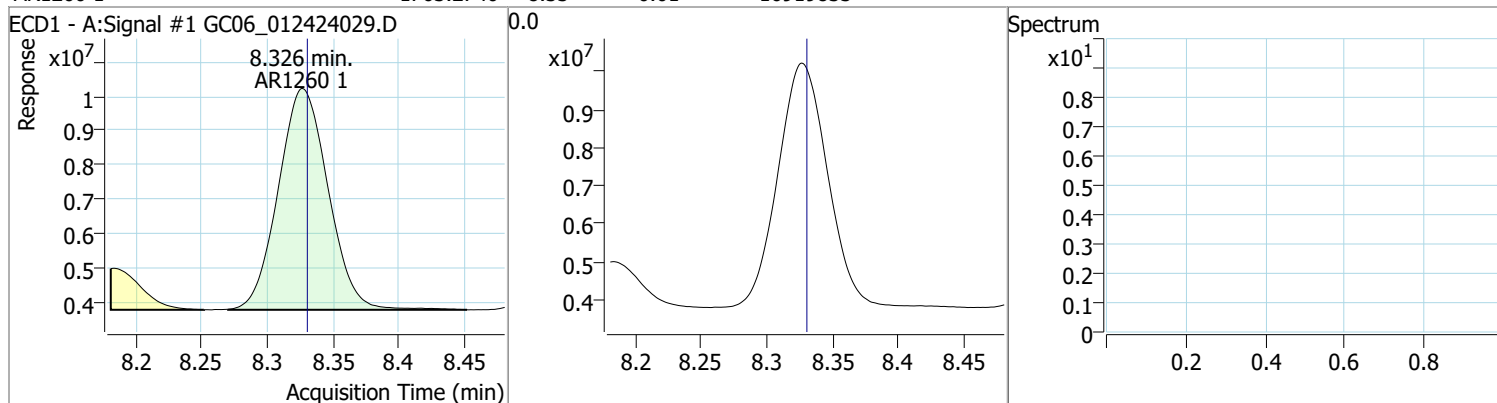


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1604.2011	7.40	0.00	38808085				

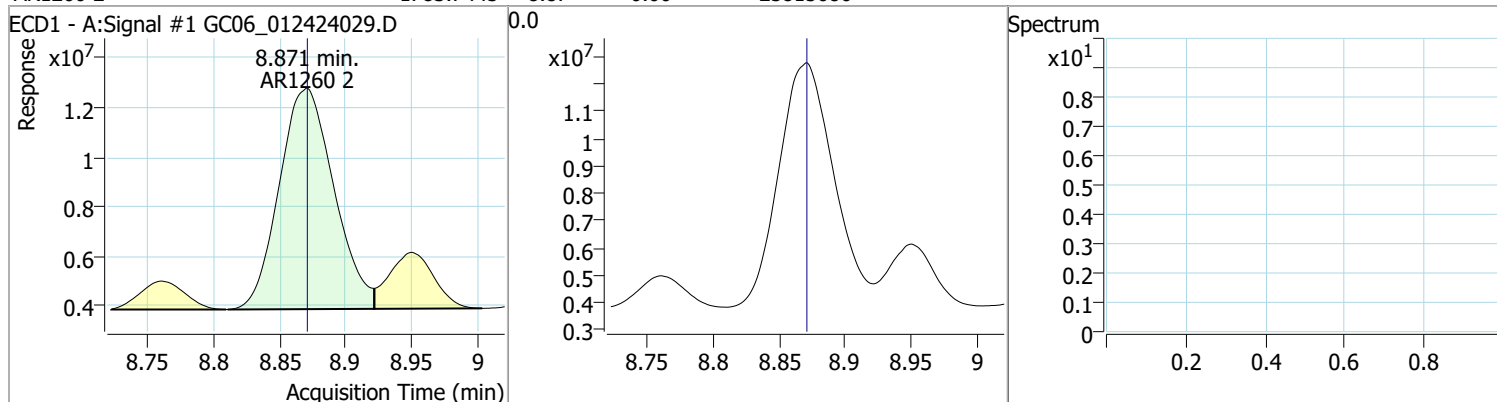


Quantitation Results Report (Not Reviewed)

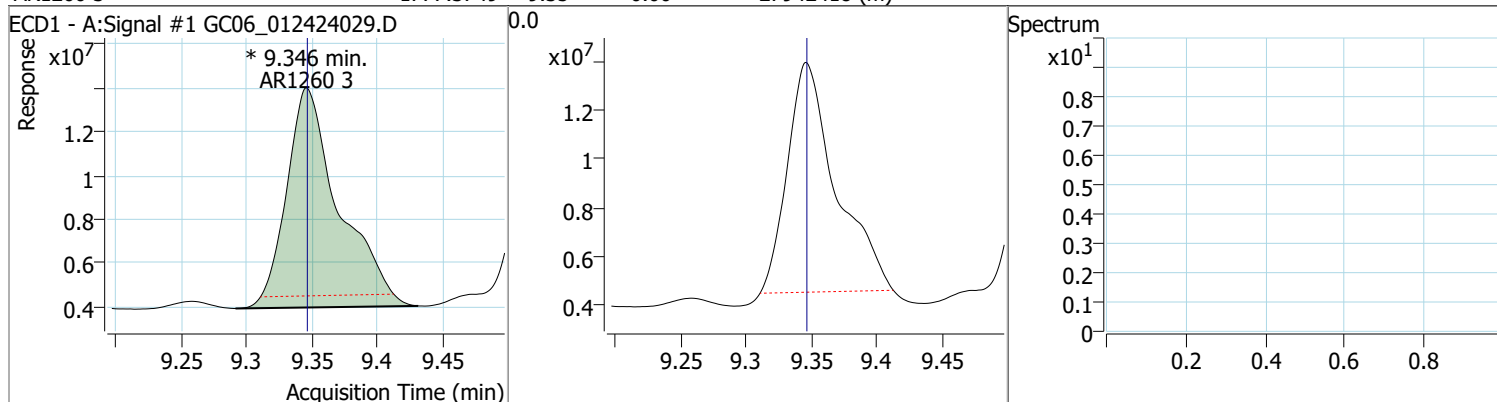
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1763.2740	8.33	-0.01	16919833				



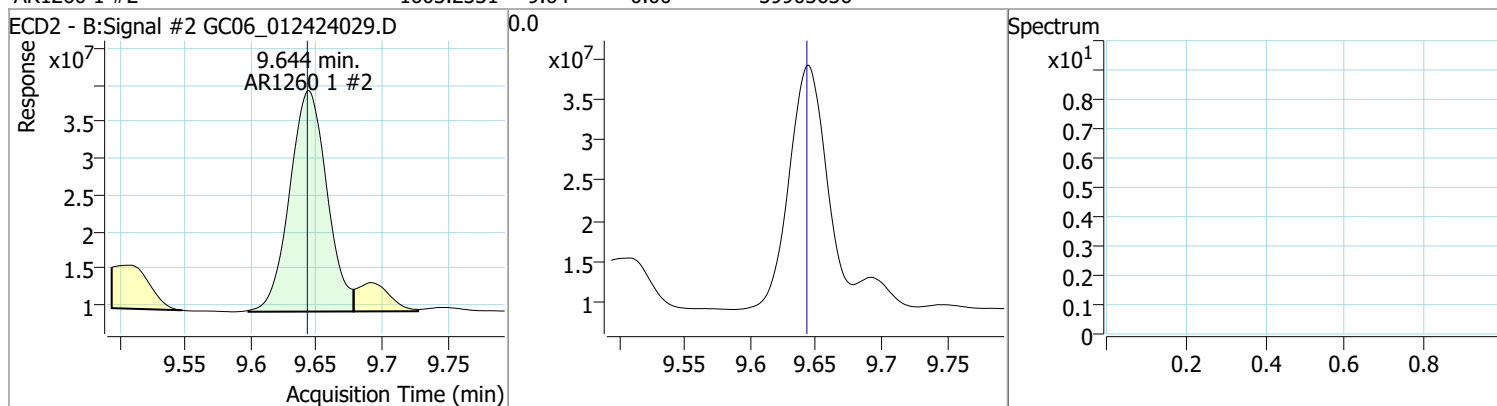
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1783.7445	8.87	0.00	25815686				



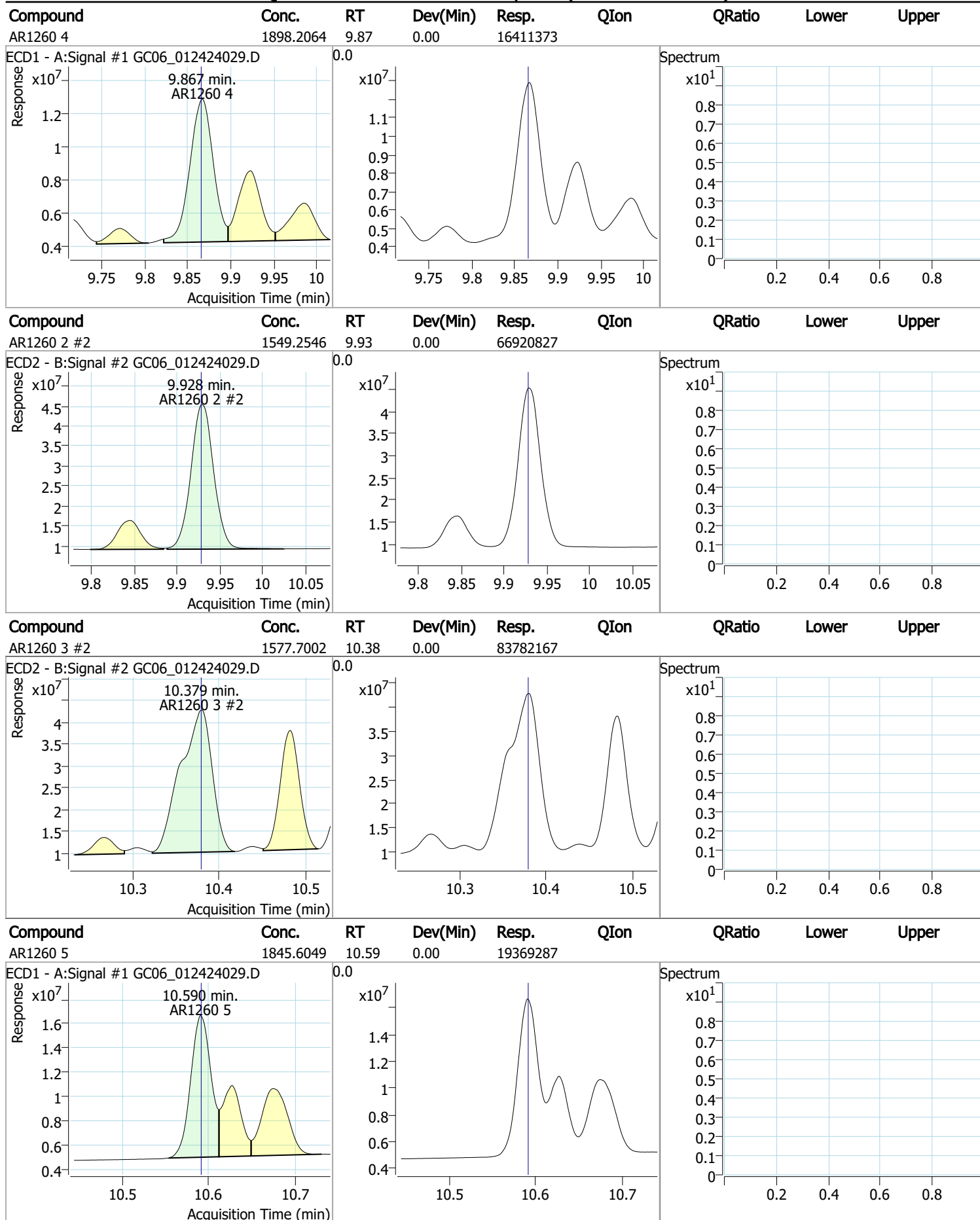
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1777.3749	9.35	0.00	27942418 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1603.2331	9.64	0.00	59903636				

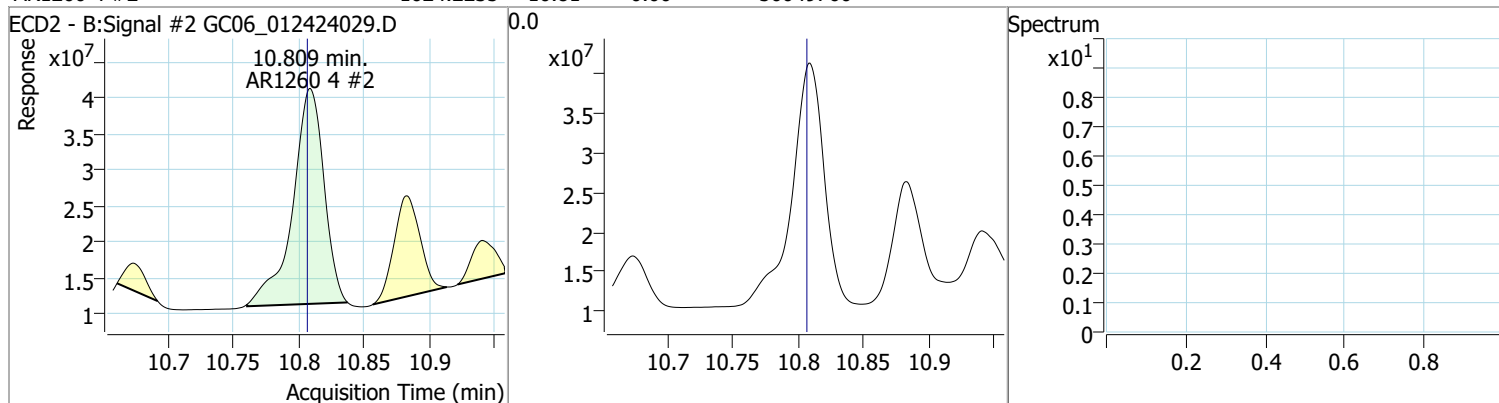


Quantitation Results Report (Not Reviewed)

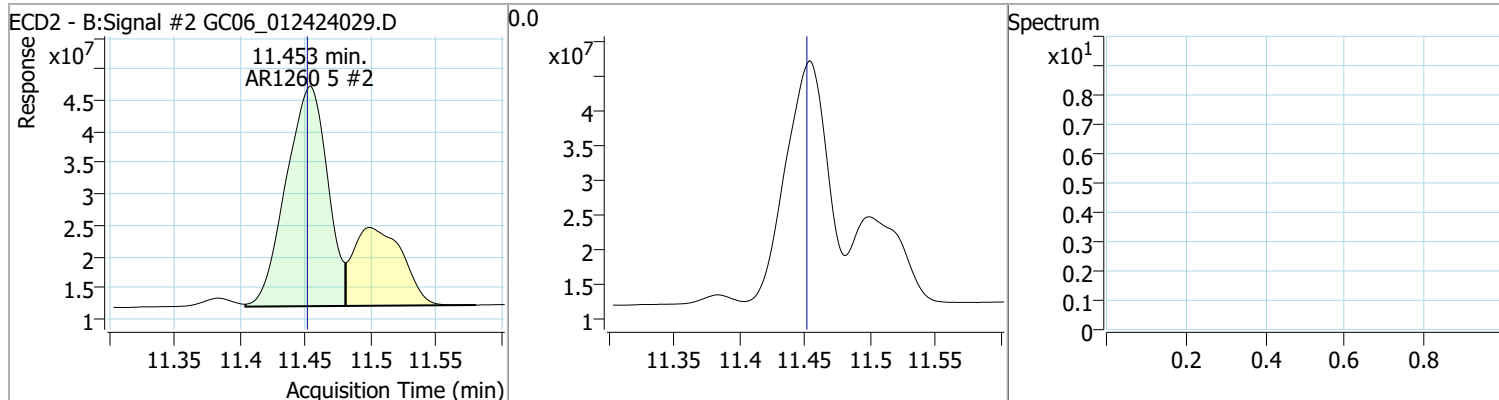


Quantitation Results Report (Not Reviewed)

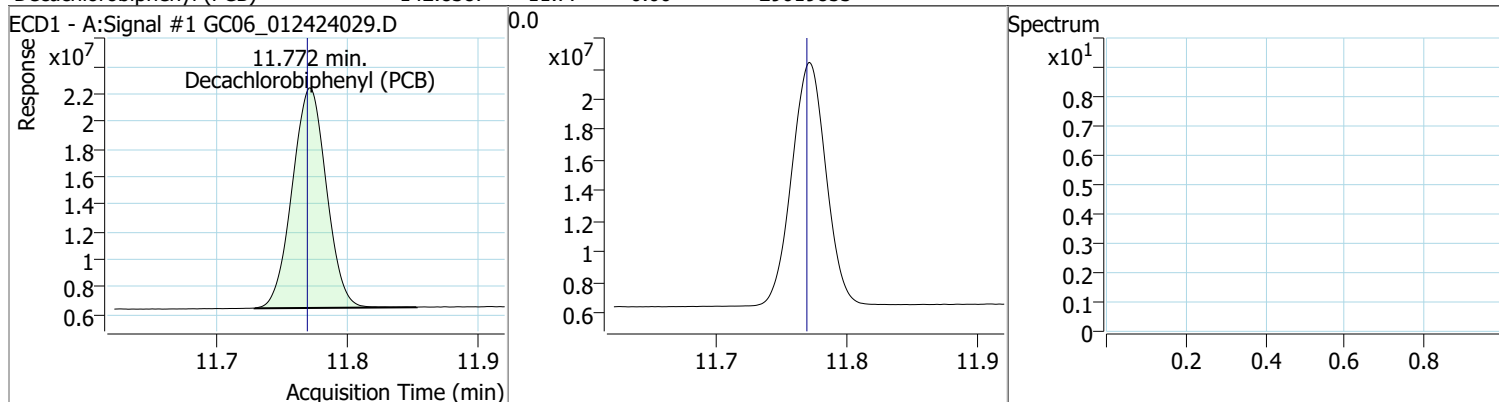
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1624.2235	10.81	0.00	50049760				



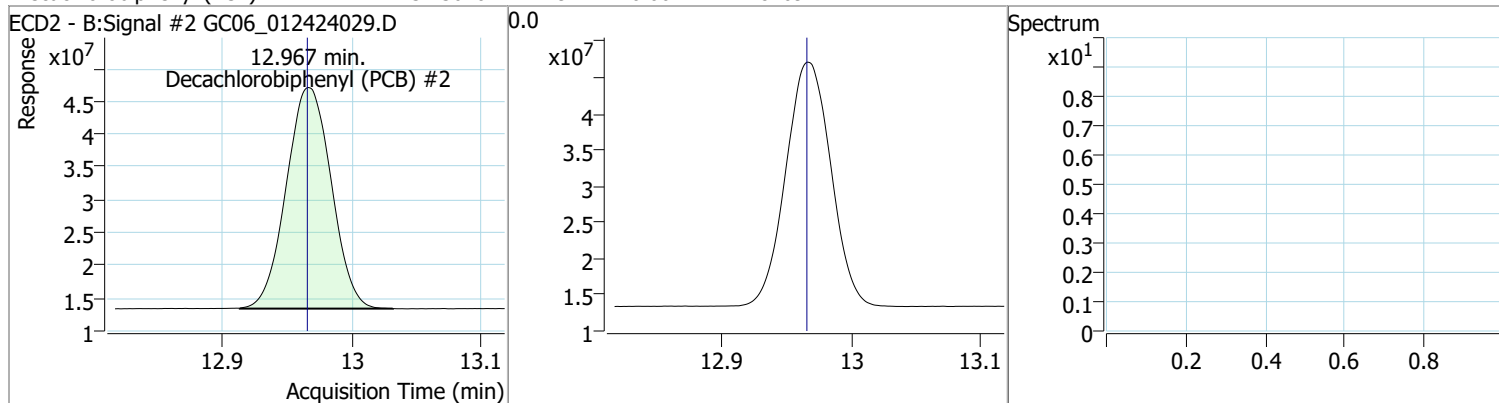
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1654.2426	11.45	0.00	77697647				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	142.8387	11.77	0.00	29019853				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	131.3620	12.97	0.00	81092411				

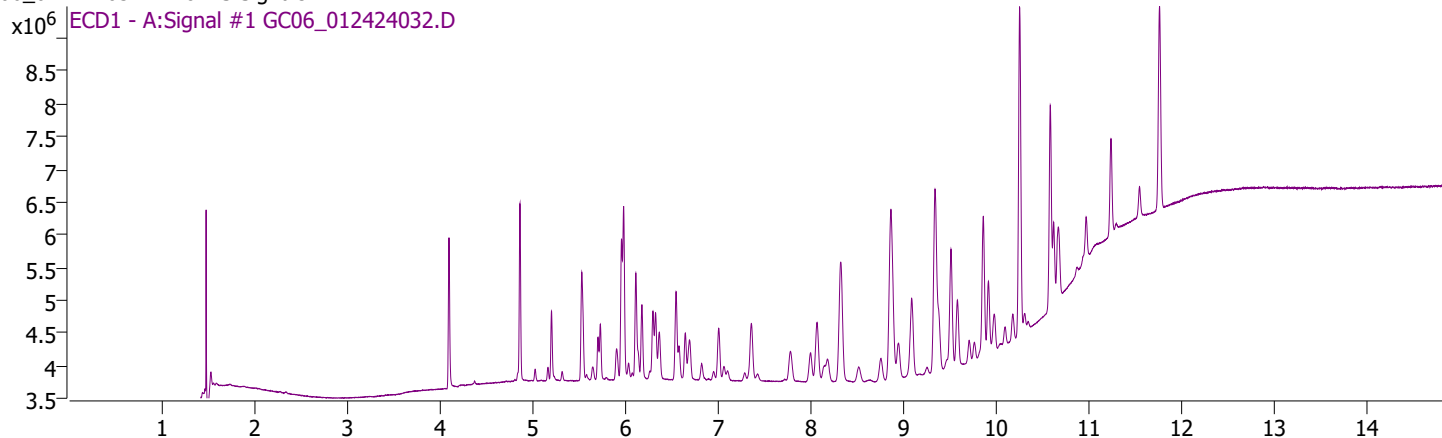


Quantitation Results Report (Not Reviewed)

Data File	GC06_012424032.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 7:29:14 PM
Sample Name	ICV, S19341	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			

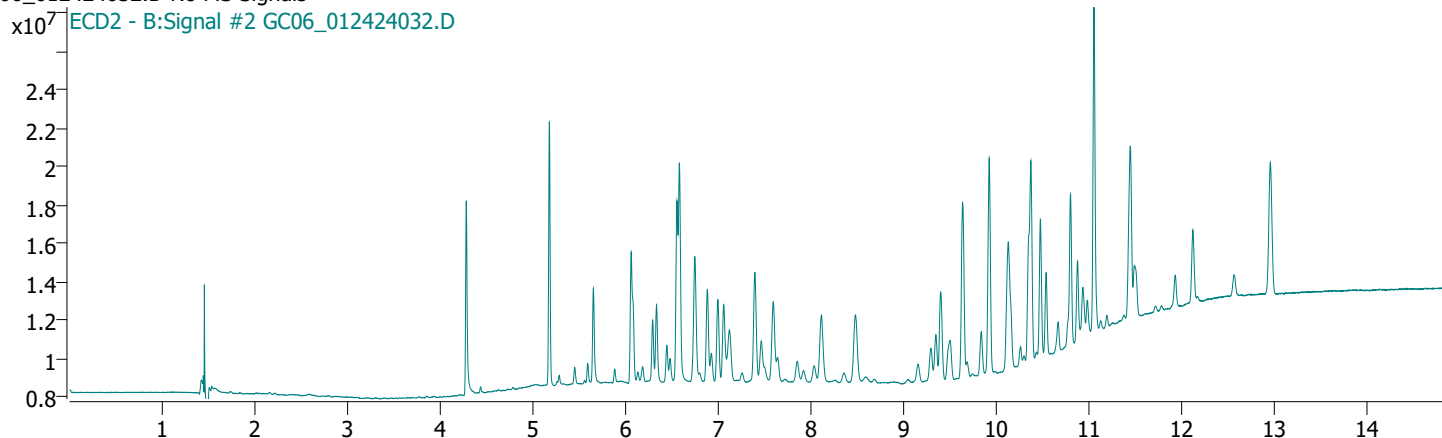
GC06_012424032.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_012424032.D



GC06_012424032.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_012424032.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.097	0.0	2388025.16 8	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.283	0.0	12103467.9 55	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.863	0.0	2910717.33 6	26.4594	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 132.30%			
S TCMX (PCB) #2	5.181	0.0	15069892.1 43	25.2485	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 126.24%			
S Decachlorobiphenyl (PCB)	11.768	0.0	5505616.42 5	30.8149	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 154.07% *			
S Decachlorobiphenyl (PCB) #2	12.964	0.0	16233681.4 09	30.1279	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 150.64% *			

Target Compounds

QValue

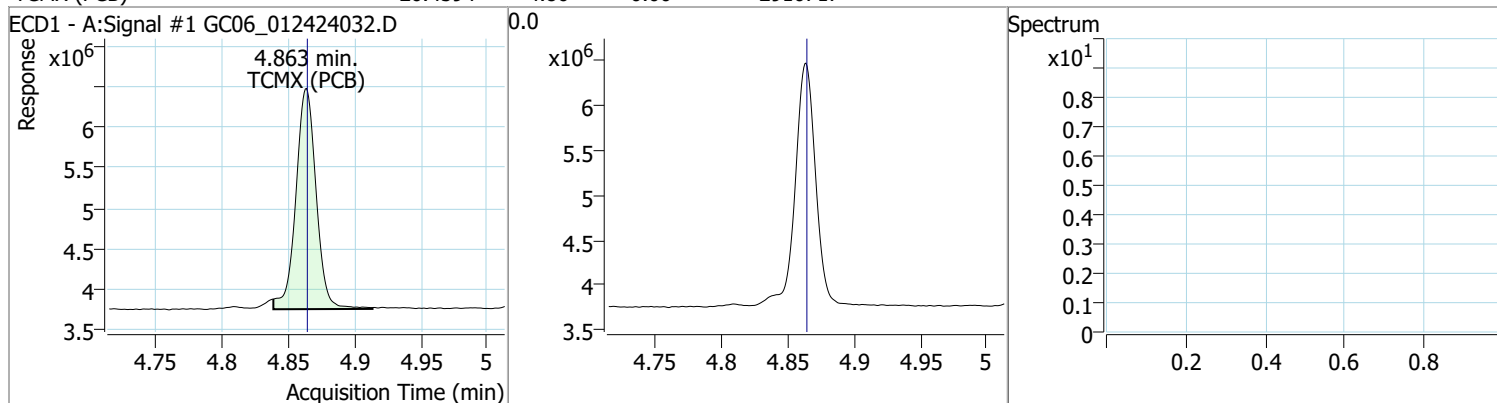
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.203	0.0	1291841.39 3	526.7049	ng/ml	100
T AR1016 2	5.531	0.0	2716023.76 9	553.3358	ng/ml	100
T AR1016 1 #2	5.656	0.0	6868685.24 7	455.2694	ng/ml	100
T AR1016 3	5.983	0.0	3565938.78 1	555.2262	ng/ml	100
T AR1016 2 #2	6.064	0.0	14029413.4 17	553.9191	ng/ml	100
T AR1016 4	6.114	0.0	2591413.69 2	548.7906	ng/ml	100
T AR1016 5	6.548	0.0	2057771.57 2	519.6947	ng/ml	100
T AR1016 3 #2	6.584	0.0	18235410.9 26	533.4161	ng/ml	100
T AR1016 4 #2	6.750	0.0	12934216.2 19	552.9371	ng/ml	100
T AR1016 5 #2	7.399	0.0	11374655.0 27	538.6876	ng/ml	100
T AR1260 1	8.327	0.0	4754739.23 2	563.4489	ng/ml	100
T AR1260 2	8.868	0.0	7443002.33 9	584.7918	ng/ml	100
T AR1260 3	9.344	0.0	7883401.37 5	570.2073	ng/ml m	100
T AR1260 1 #2	9.643	0.0	18307278.7 68	561.3445	ng/ml	100
T AR1260 4	9.866	0.0	3956228.90 6	520.3362	ng/ml	100
T AR1260 2 #2	9.929	0.0	20686493.0 02	548.6691	ng/ml	100
T AR1260 3 #2	10.379	0.0	26210719.9 05	565.4758	ng/ml	100
T AR1260 5	10.588	0.0	5077582.31 5	550.1564	ng/ml	100
T AR1260 4 #2	10.807	0.0	13997373.1 19	520.4182	ng/ml	100
T AR1260 5 #2	11.453	0.0	19955100.2 52	486.7516	ng/ml	100

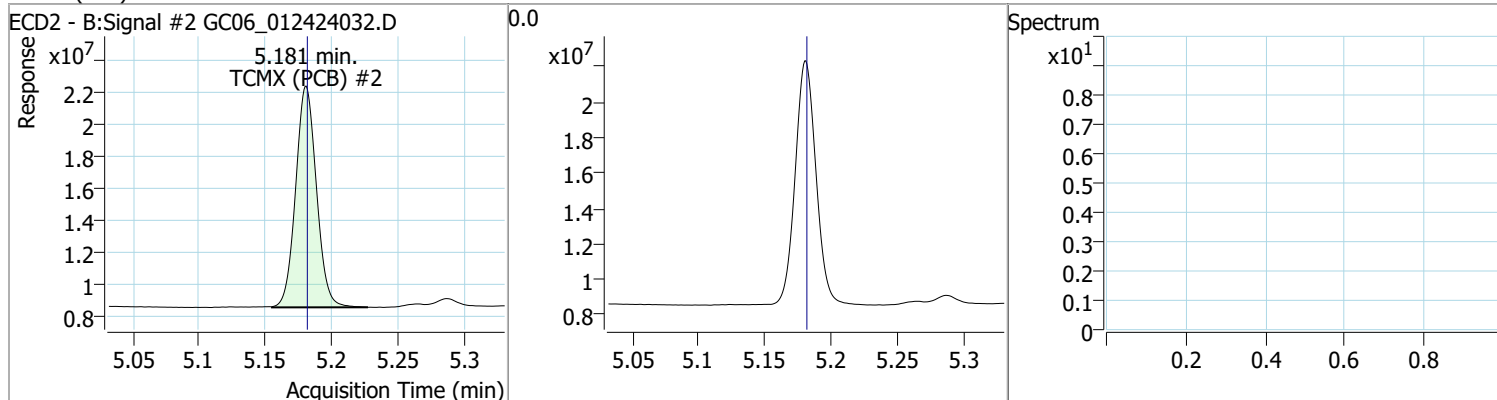
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

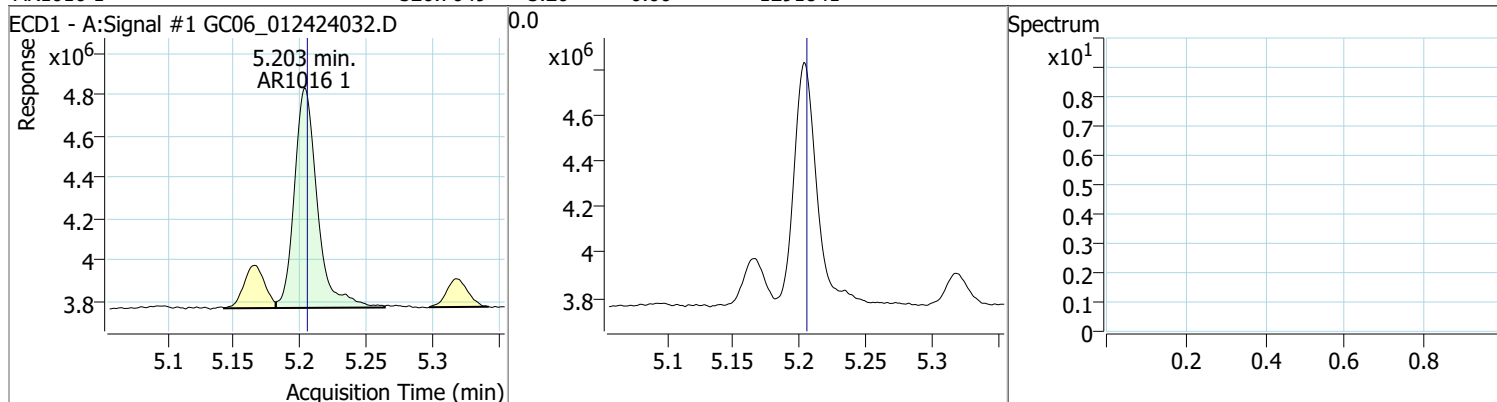
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	26.4594	4.86	0.00	2910717				



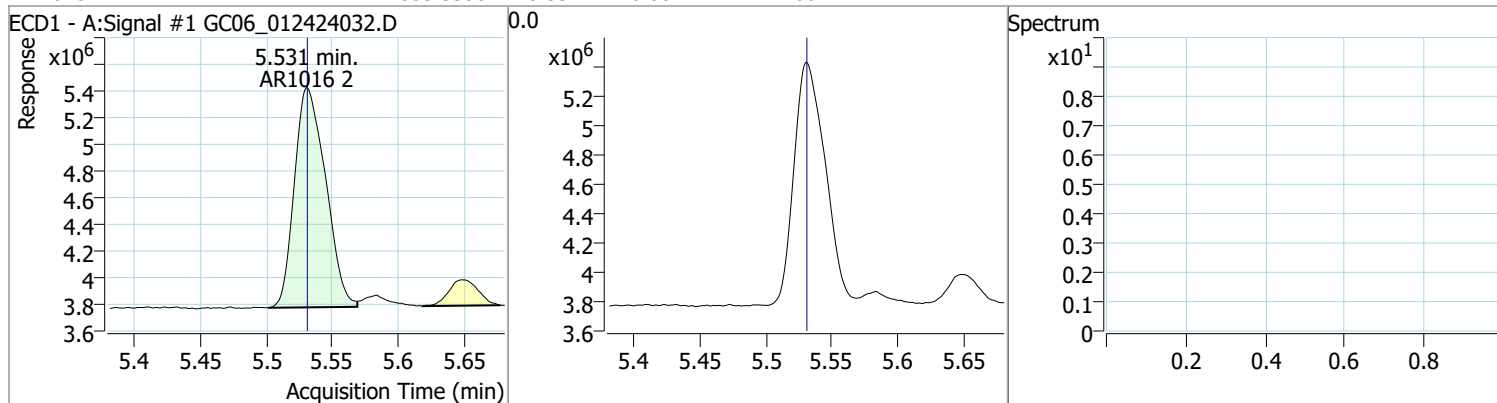
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.2485	5.18	0.00	15069892				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	526.7049	5.20	0.00	1291841				

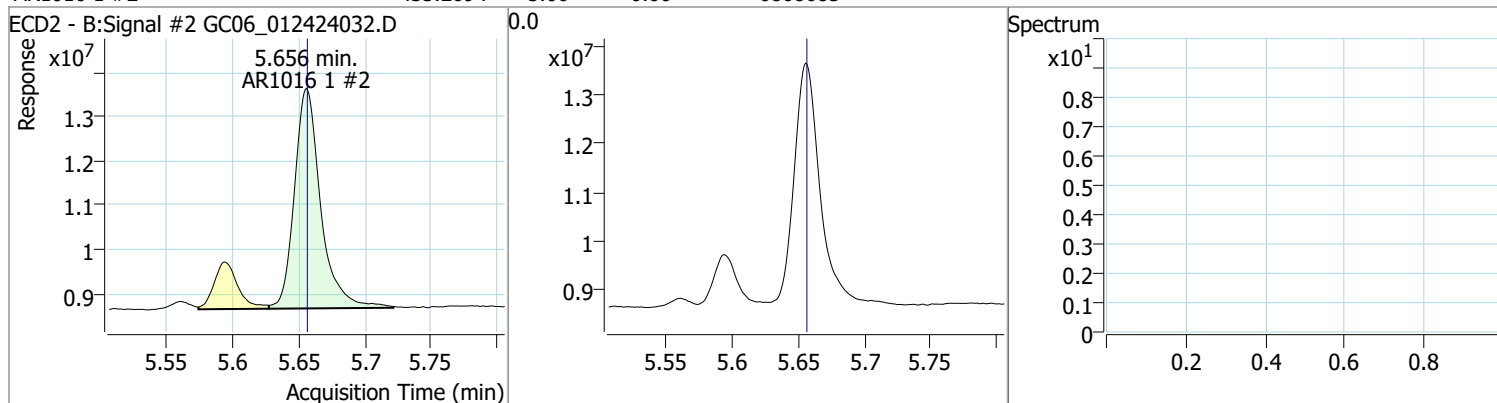


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	553.3358	5.53	0.00	2716024				

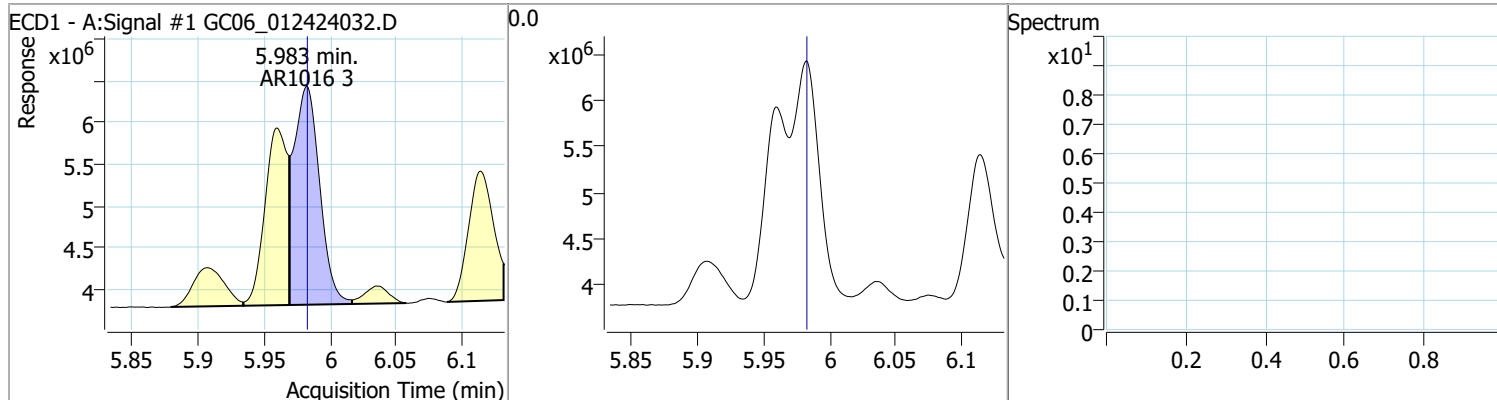


Quantitation Results Report (Not Reviewed)

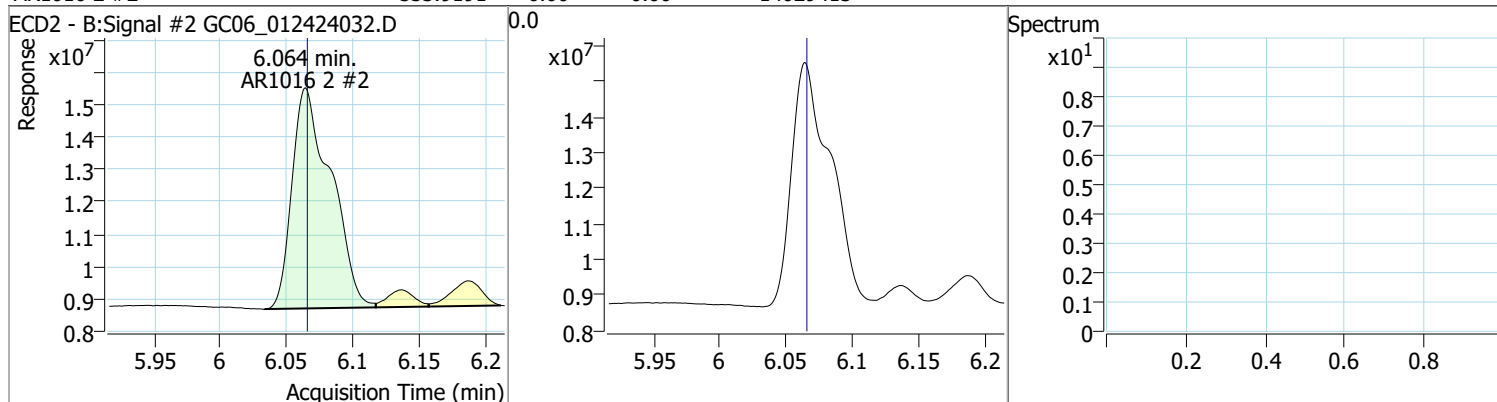
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	455.2694	5.66	0.00	6868685				



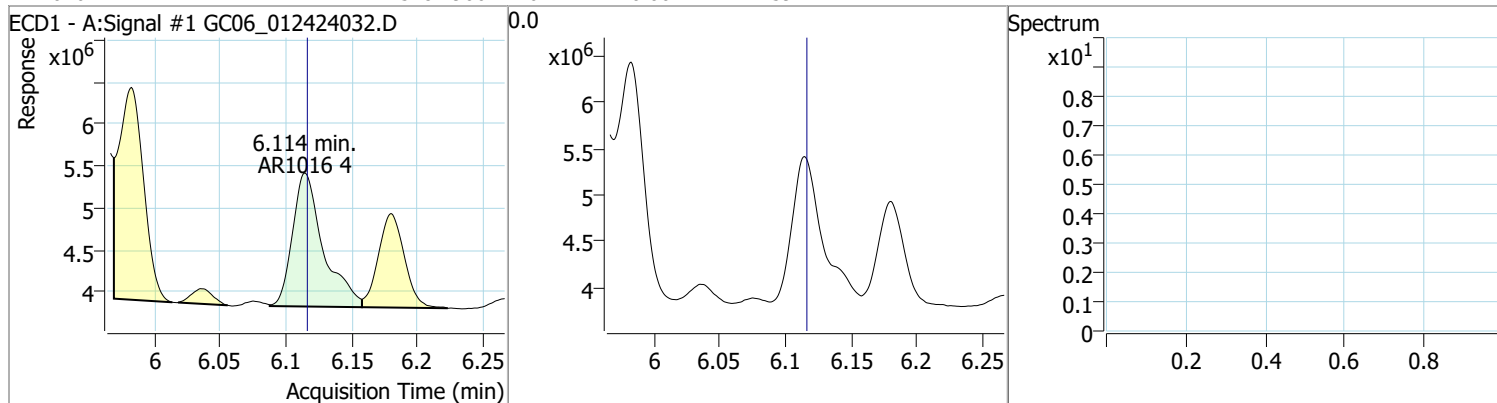
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	555.2262	5.98	0.00	3565939				



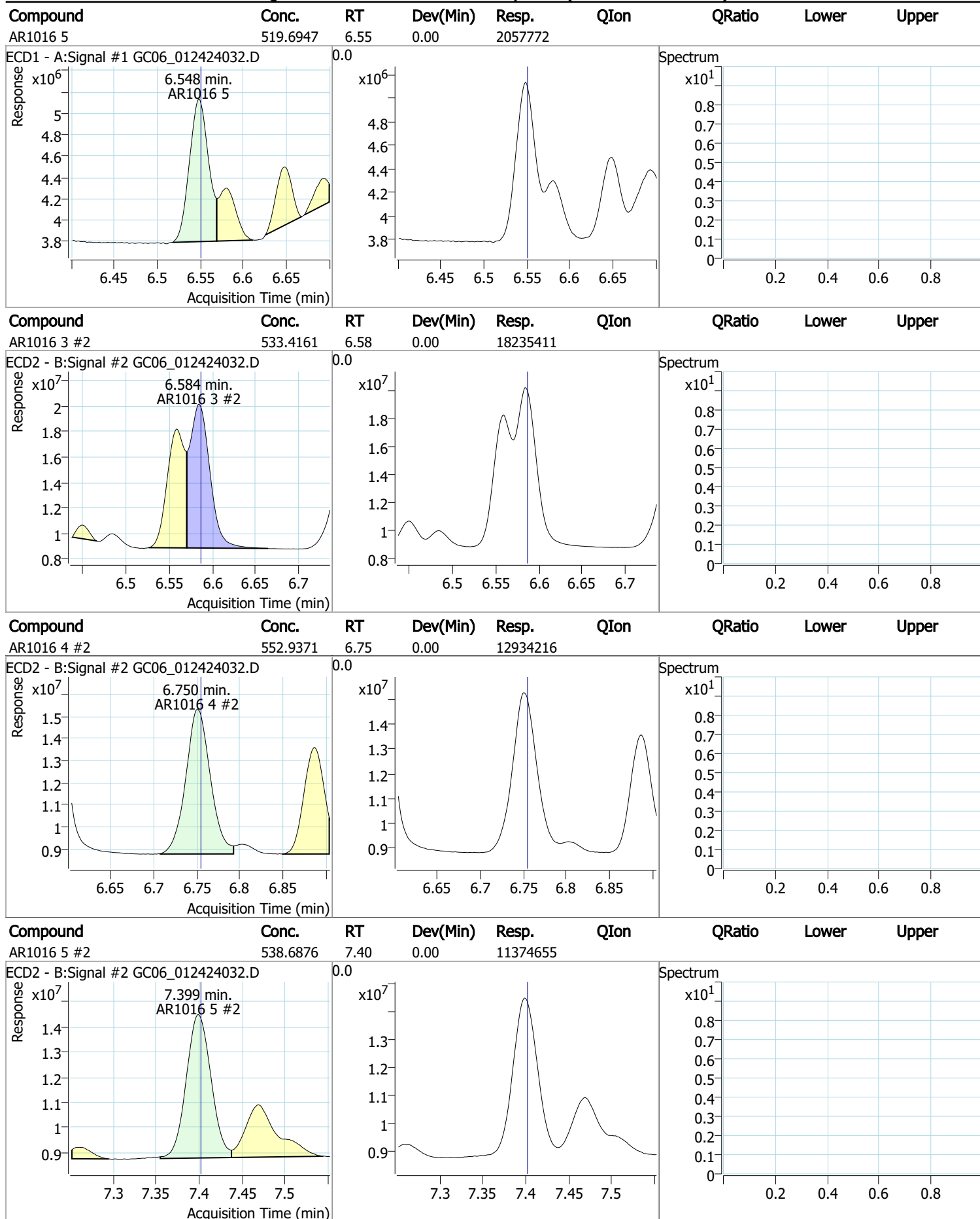
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	553.9191	6.06	0.00	14029413				



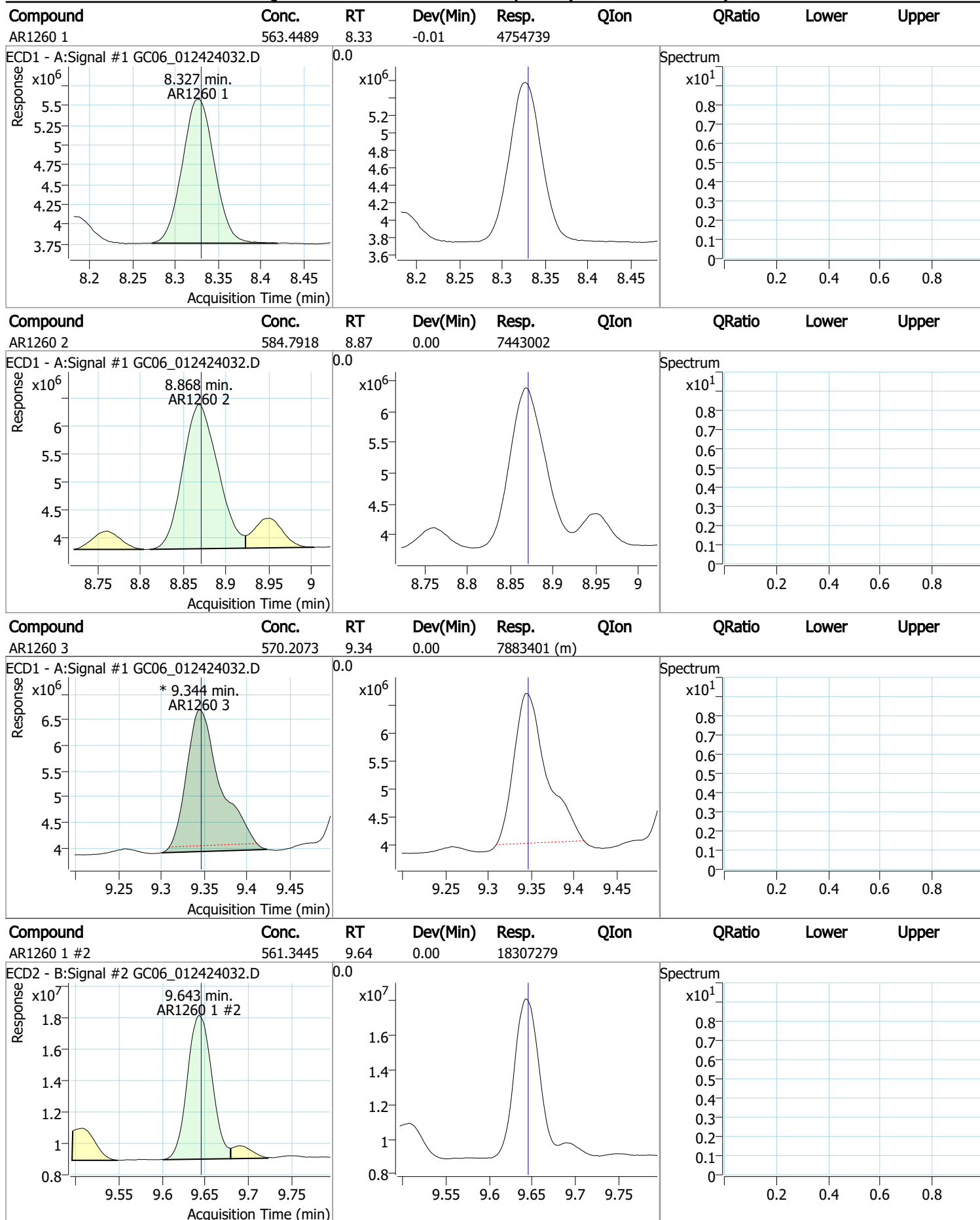
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	548.7906	6.11	0.00	2591414				



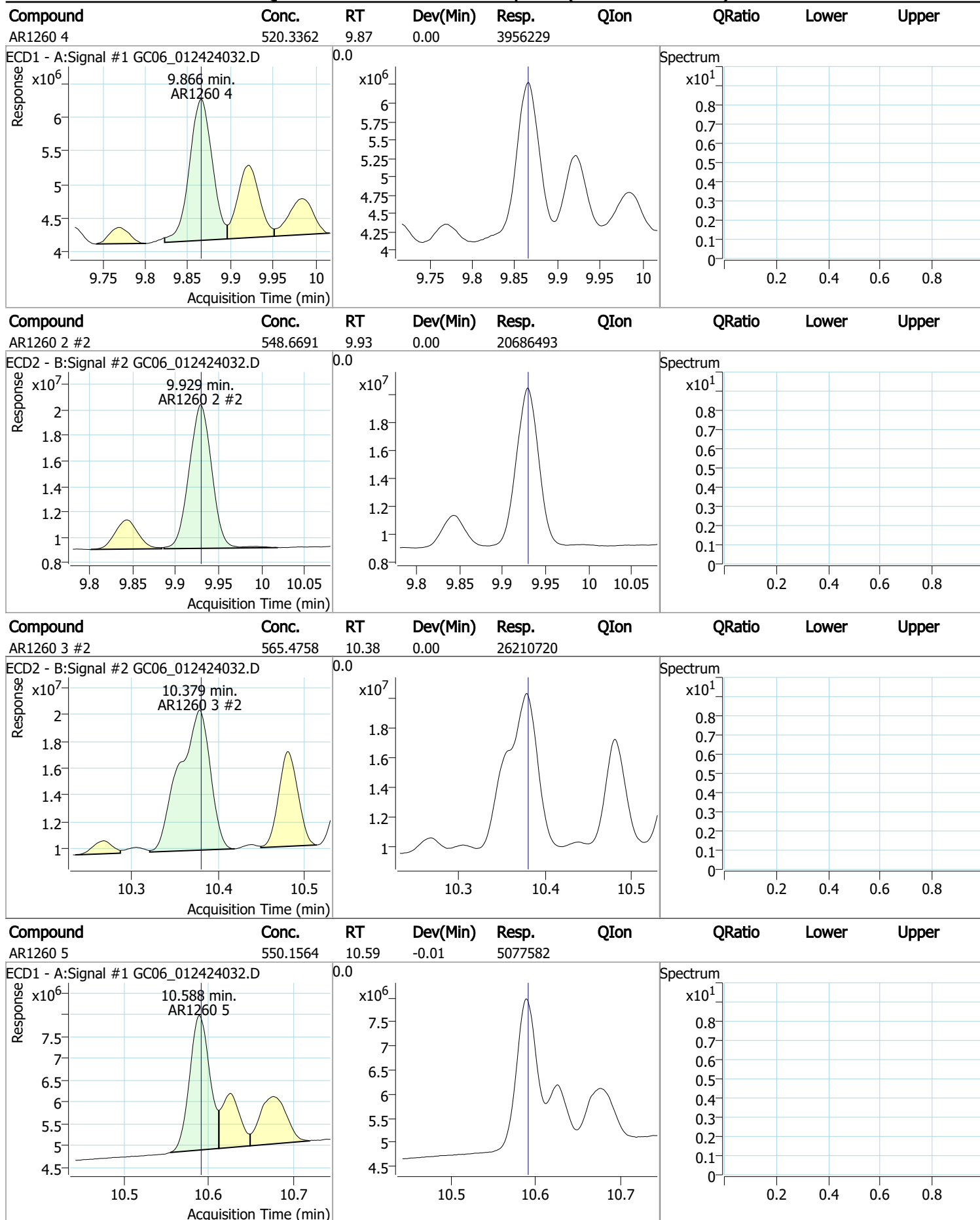
Quantitation Results Report (Not Reviewed)



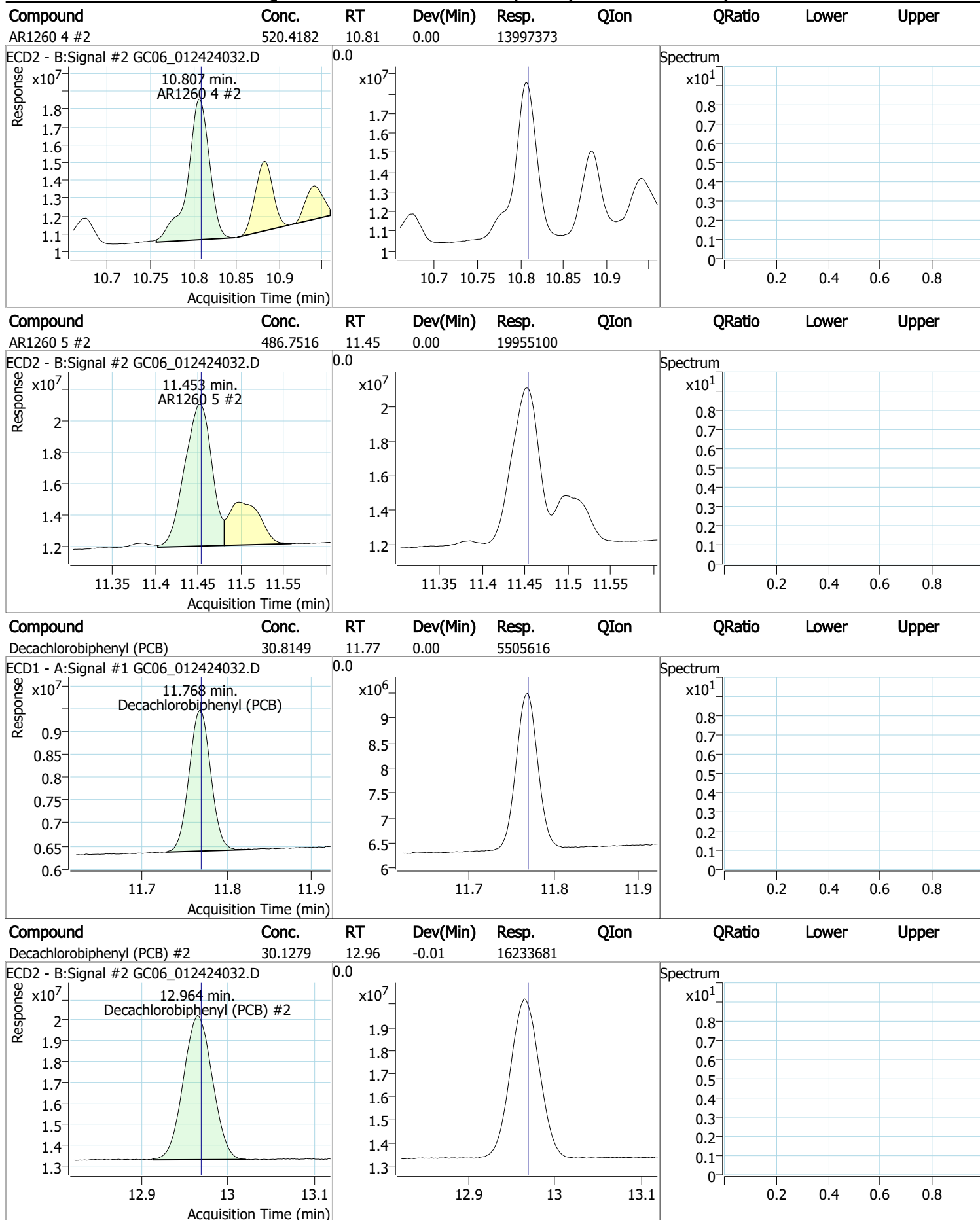
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 500180 PCBs Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_012424032	IDF: 1.0
Seqnum: 454035180032	Caldate: 24-JAN-2024	Time: 24-JAN-2024 19:29
Cal: 454035180003		

Standards: S19341

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	540.8	ug/L	8	15	15	0.0000	
Aroclor-1260	A			500.0	557.8	ug/L	12	15	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4964	2.3055	20.00	30.81	ug/L	54	15	15	0.0000	c+
TCMX (PCB)	A	0.9213	1.2189	20.00	26.46	ug/L	32	15	15	0.0000	c+
Aroclor-1016	B			500.0	526.8	ug/L	5	15	15	0.0000	
Aroclor-1260	B			500.0	536.5	ug/L	7	15	15	0.0000	
Decachlorobiphenyl (PCB)	B	0.8904	1.3412	20.00	30.13	ug/L	51	15	15	0.0000	c+
TCMX (PCB)	B	0.9863	1.2451	20.00	25.25	ug/L	26	15	15	0.0000	c+

ISTD (ICAL gc06_012424022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8860520	12103468	36.60
1-bromo-2-nitrobenzene (PCB)	A	1972855	2388025	21.04

01/24/24 : 500 PPB PCB ICV

TRN 01/24/24 : Manually integrated for baseline

+=high bias c=CCV

Analyst: TRN 01/25/24

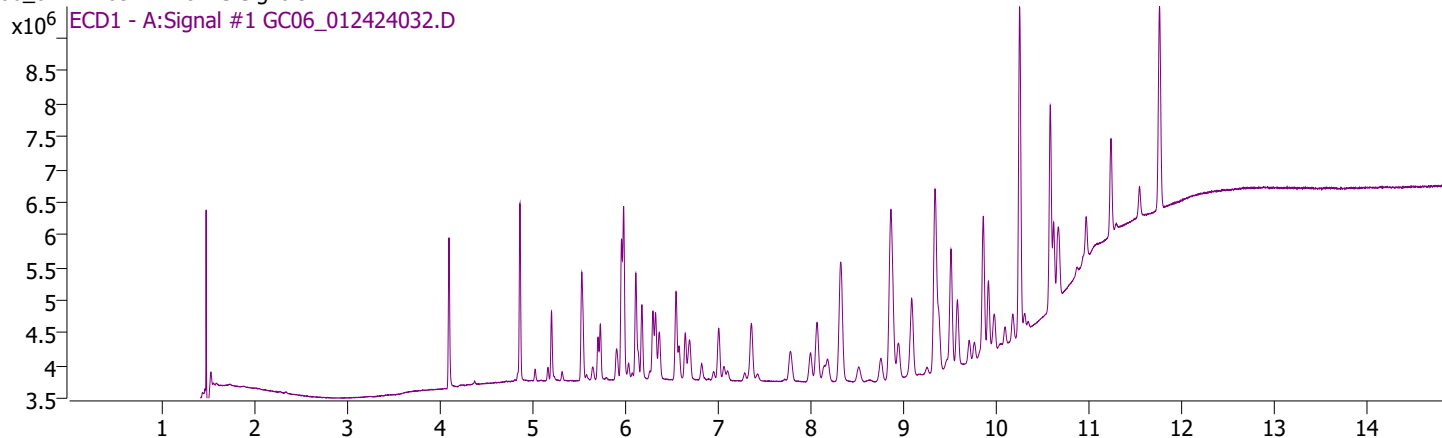
Reviewer: MTS 01/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_012424032.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	1/24/2024 7:29:14 PM
Sample Name	ICV, S19341	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_012424_GC06_1.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	012424PCBICAL.batch.bin	Last Calib Update	1/25/2024 3:41:16 PM
Ref Library			

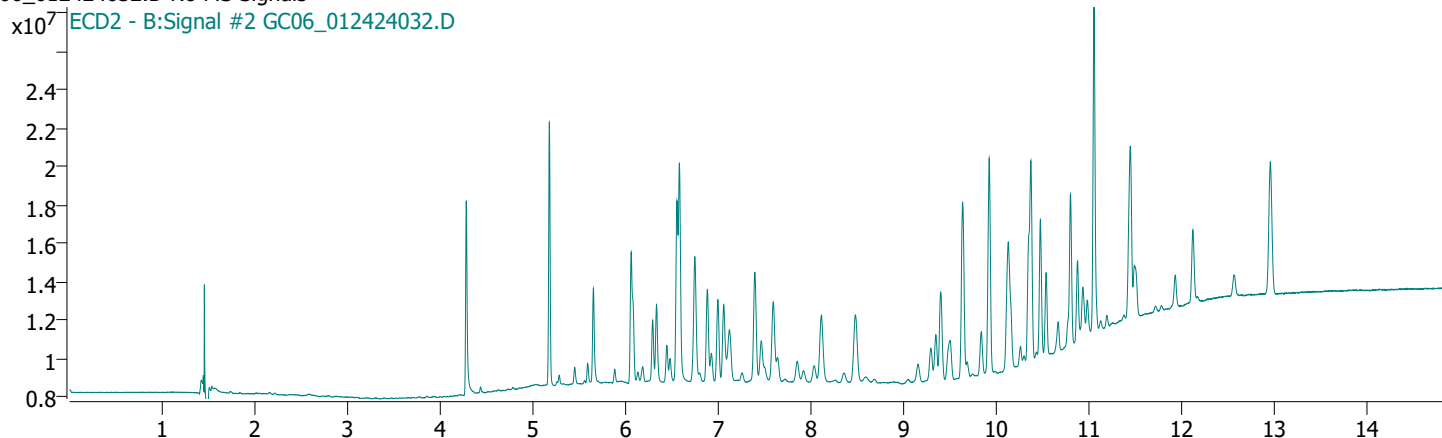
GC06_012424032.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_012424032.D



GC06_012424032.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_012424032.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.097	0.0	2388025.16 8	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.283	0.0	12103467.9 55	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.863	0.0	2910717.33 6	26.4594	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.30%		
S TCMX (PCB) #2	5.181	0.0	15069892.1 43	25.2485	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 126.24%		
S Decachlorobiphenyl (PCB)	11.768	0.0	5505616.42 5	30.8149	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.07% *		
S Decachlorobiphenyl (PCB) #2	12.964	0.0	16233681.4 09	30.1279	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.64% *		

Target Compounds

QValue

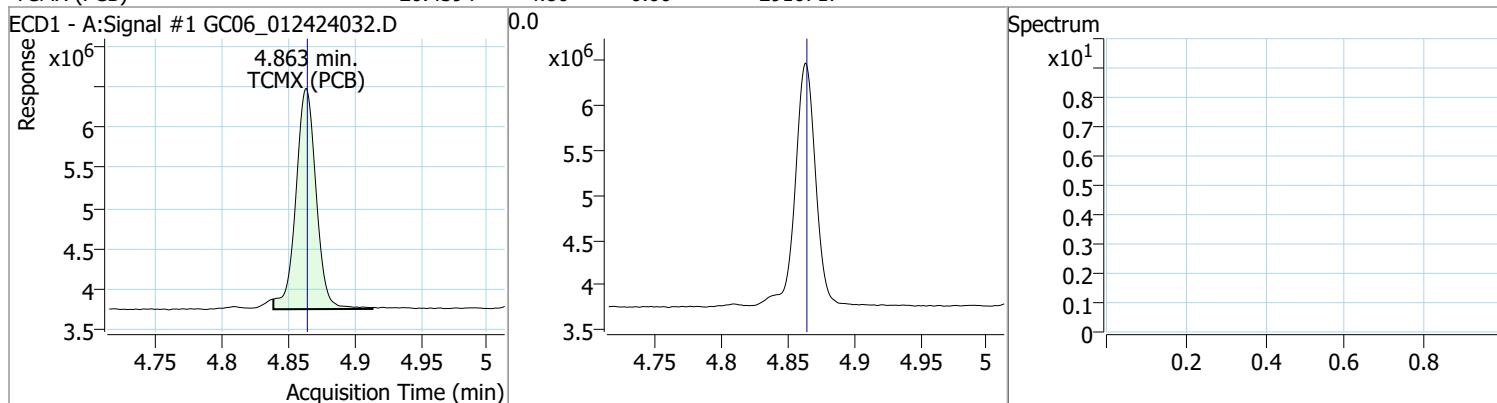
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.203	0.0	1291841.39 3	526.7049	ng/ml	100
T AR1016 2	5.531	0.0	2716023.76 9	553.3358	ng/ml	100
T AR1016 1 #2	5.656	0.0	6868685.24 7	455.2694	ng/ml	100
T AR1016 3	5.983	0.0	3565938.78 1	555.2262	ng/ml	100
T AR1016 2 #2	6.064	0.0	14029413.4 17	553.9191	ng/ml	100
T AR1016 4	6.114	0.0	2591413.69 2	548.7906	ng/ml	100
T AR1016 5	6.548	0.0	2057771.57 2	519.6947	ng/ml	100
T AR1016 3 #2	6.584	0.0	18235410.9 26	533.4161	ng/ml	100
T AR1016 4 #2	6.750	0.0	12934216.2 19	552.9371	ng/ml	100
T AR1016 5 #2	7.399	0.0	11374655.0 27	538.6876	ng/ml	100
T AR1260 1	8.327	0.0	4754739.23 2	563.4489	ng/ml	100
T AR1260 2	8.868	0.0	7443002.33 9	584.7918	ng/ml	100
T AR1260 3	9.344	0.0	7883401.37 5	570.2073	ng/ml m	100
T AR1260 1 #2	9.643	0.0	18307278.7 68	561.3445	ng/ml	100
T AR1260 4	9.866	0.0	3956228.90 6	520.3362	ng/ml	100
T AR1260 2 #2	9.929	0.0	20686493.0 02	548.6691	ng/ml	100
T AR1260 3 #2	10.379	0.0	26210719.9 05	565.4758	ng/ml	100
T AR1260 5	10.588	0.0	5077582.31 5	550.1564	ng/ml	100
T AR1260 4 #2	10.807	0.0	13997373.1 19	520.4182	ng/ml	100
T AR1260 5 #2	11.453	0.0	19955100.2 52	486.7516	ng/ml	100

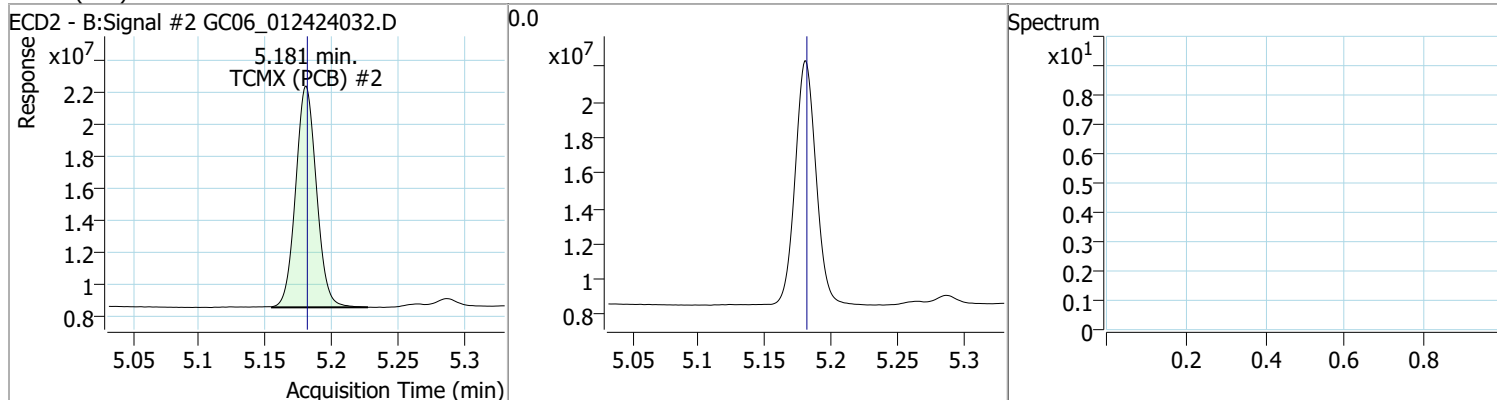
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

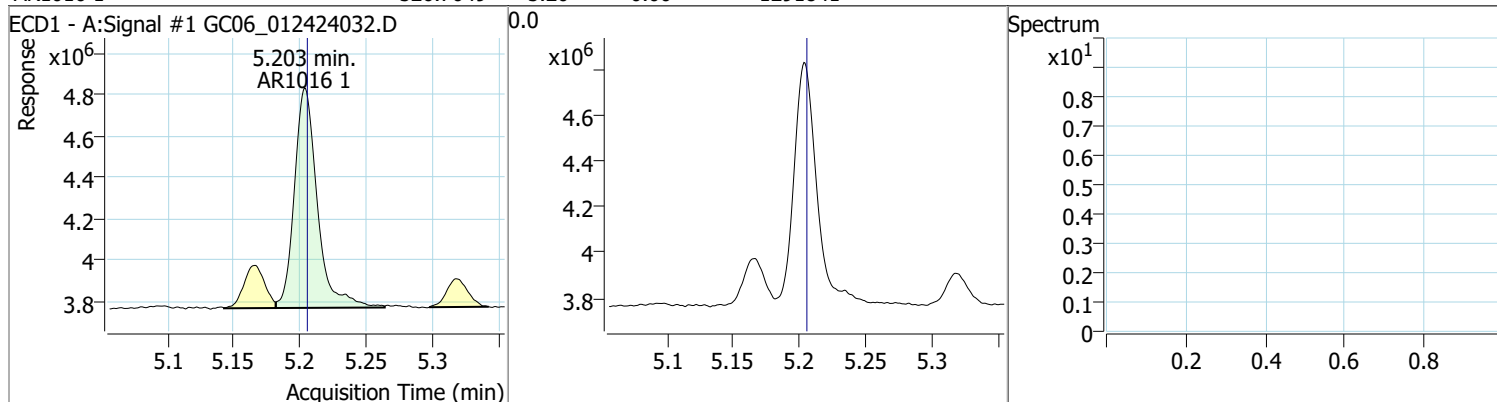
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	26.4594	4.86	0.00	2910717				



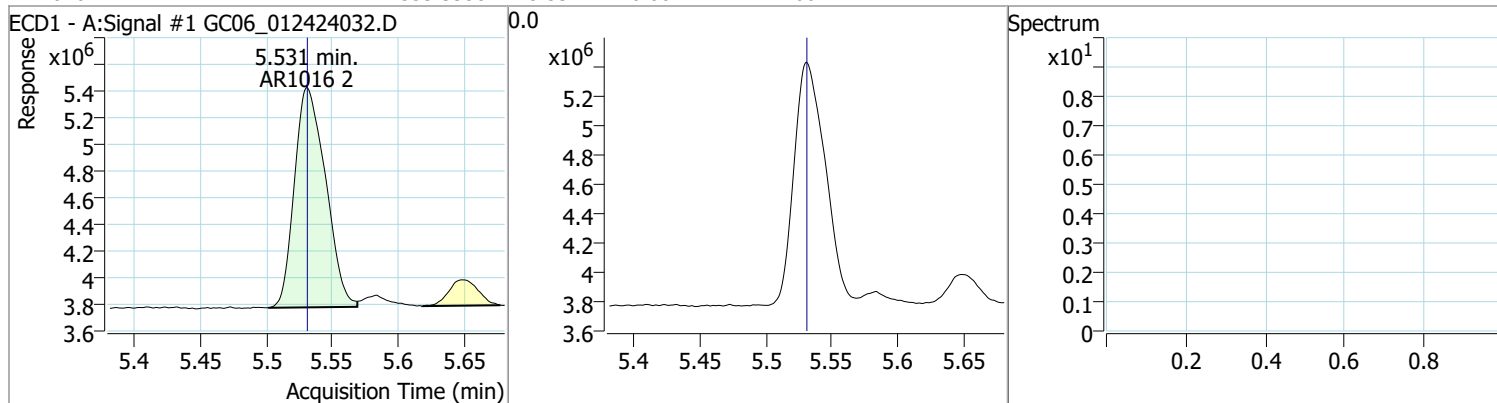
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.2485	5.18	0.00	15069892				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	526.7049	5.20	0.00	1291841				

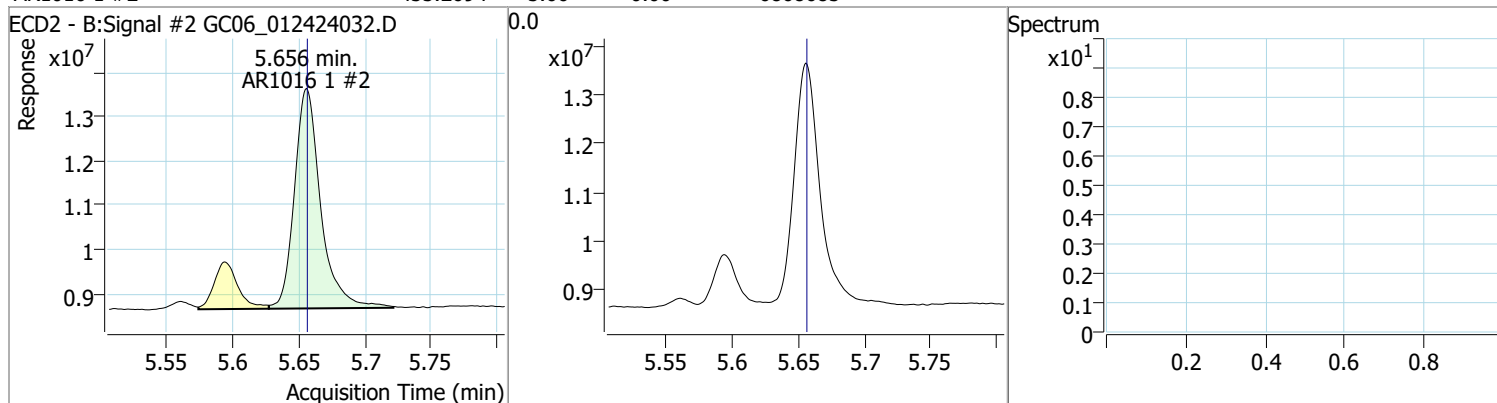


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	553.3358	5.53	0.00	2716024				

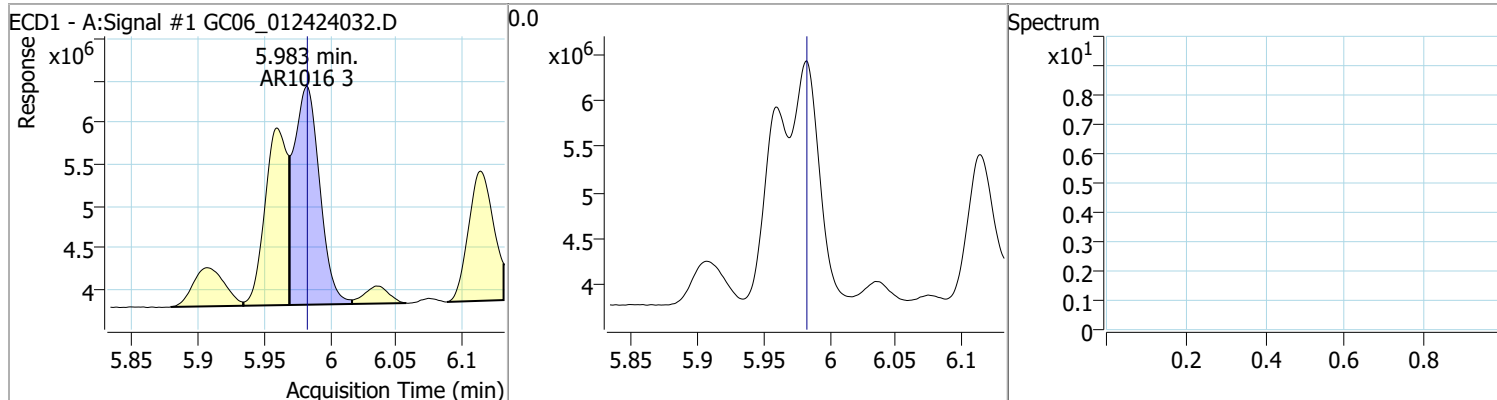


Quantitation Results Report (Not Reviewed)

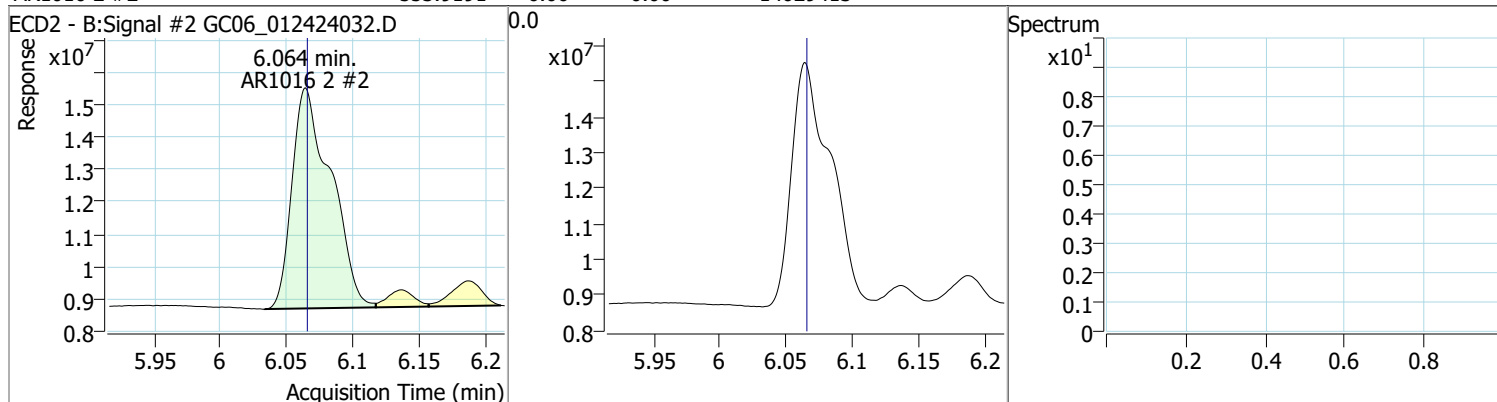
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	455.2694	5.66	0.00	6868685				



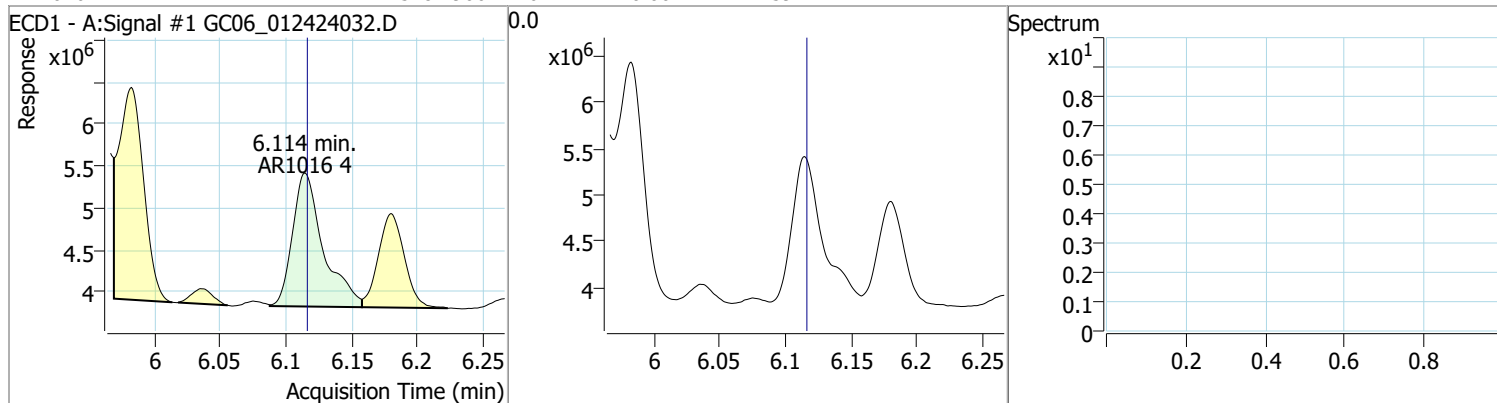
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	555.2262	5.98	0.00	3565939				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	553.9191	6.06	0.00	14029413				

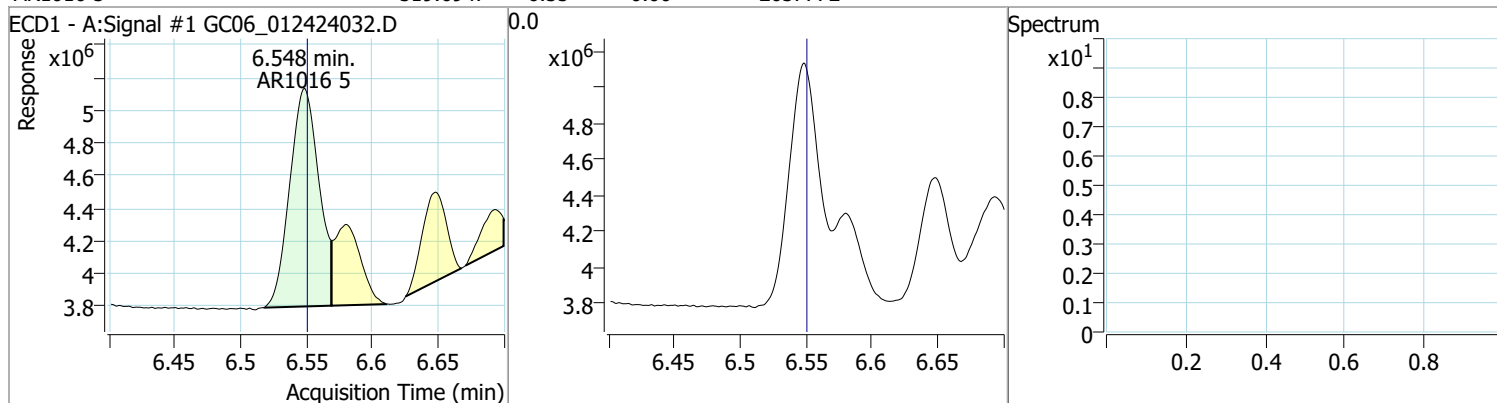


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	548.7906	6.11	0.00	2591414				

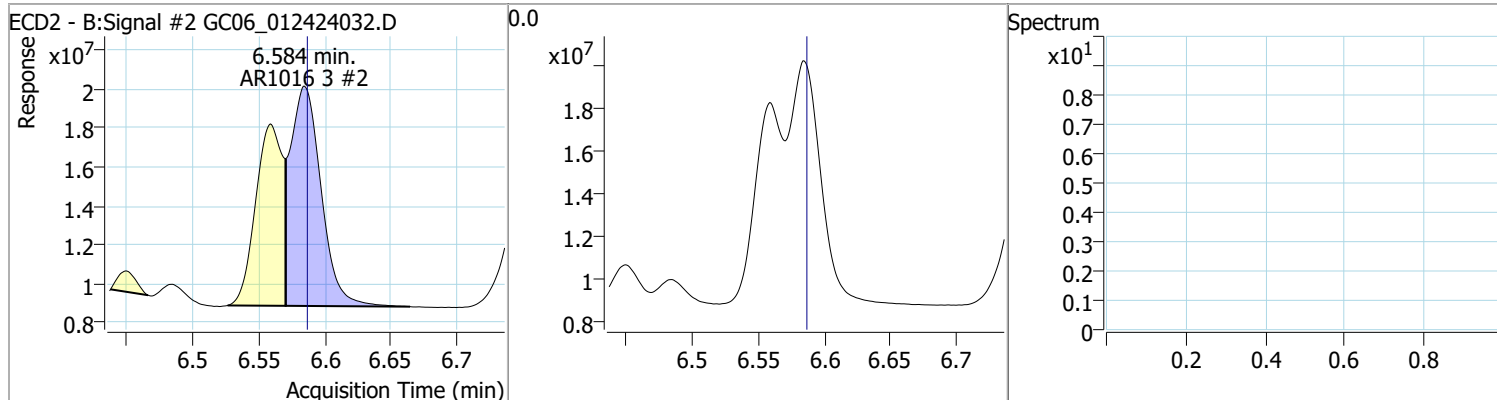


Quantitation Results Report (Not Reviewed)

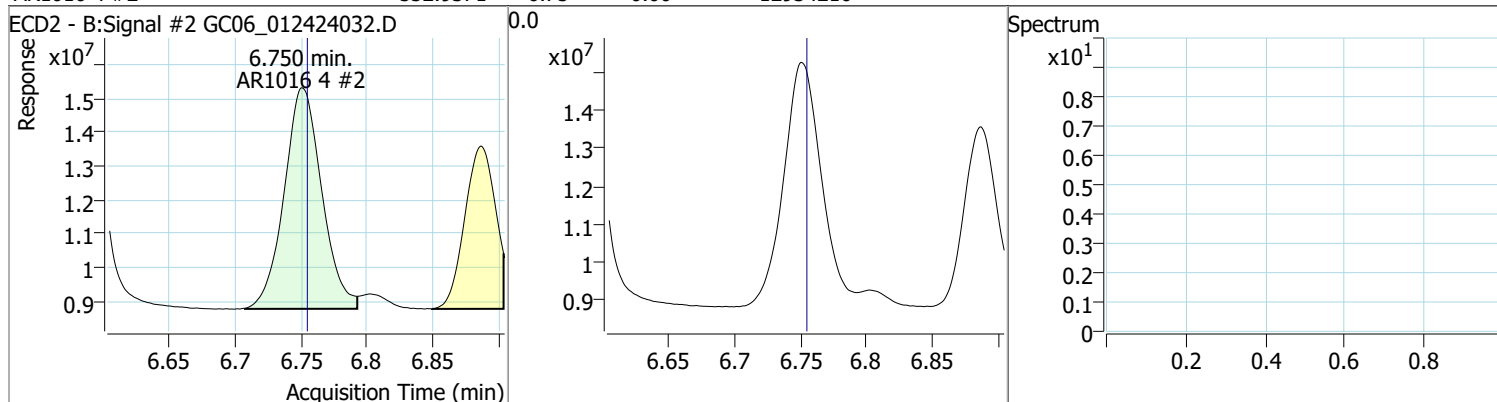
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	519.6947	6.55	0.00	2057772				



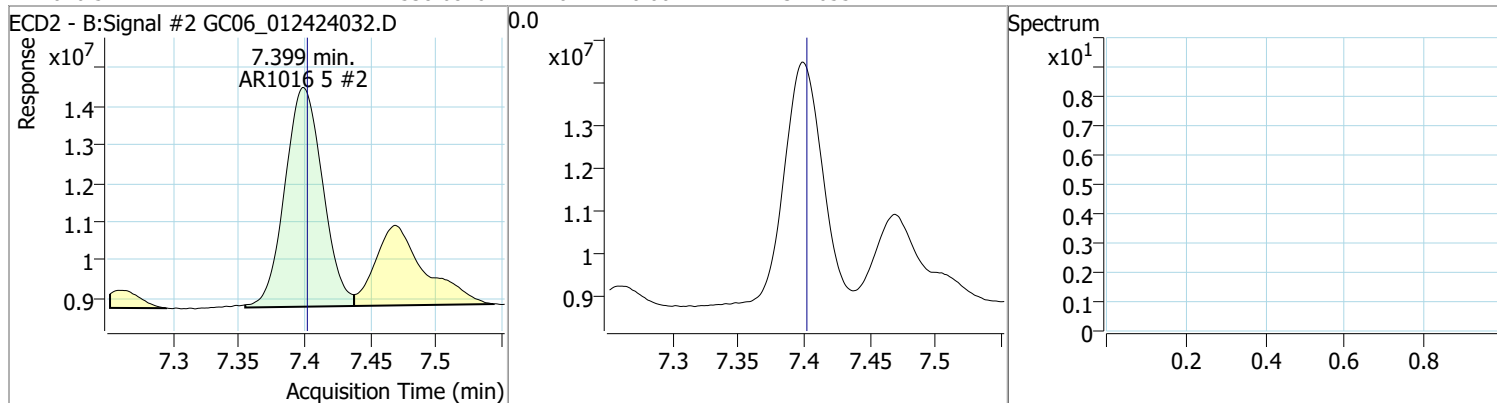
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	533.4161	6.58	0.00	18235411				



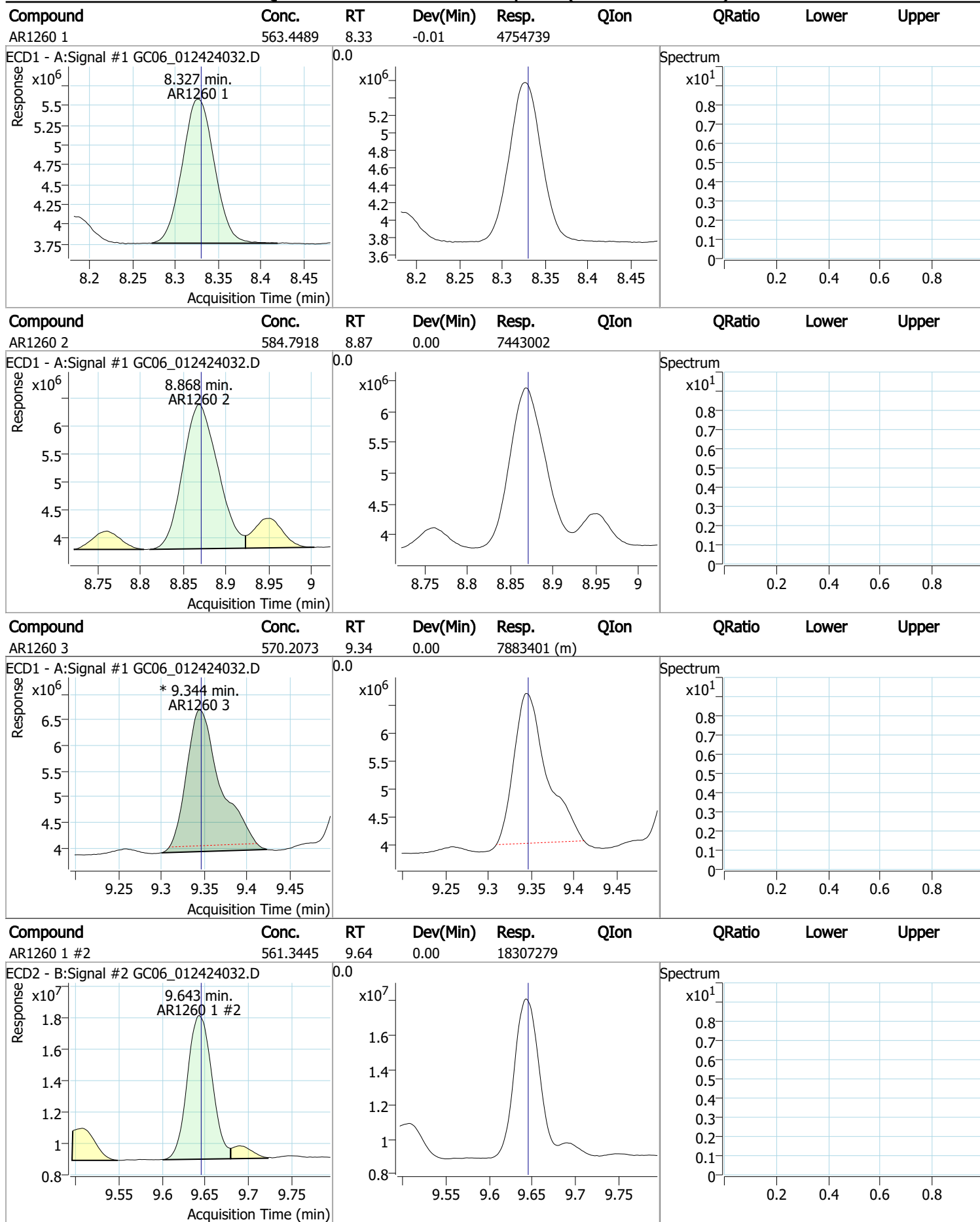
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	552.9371	6.75	0.00	12934216				



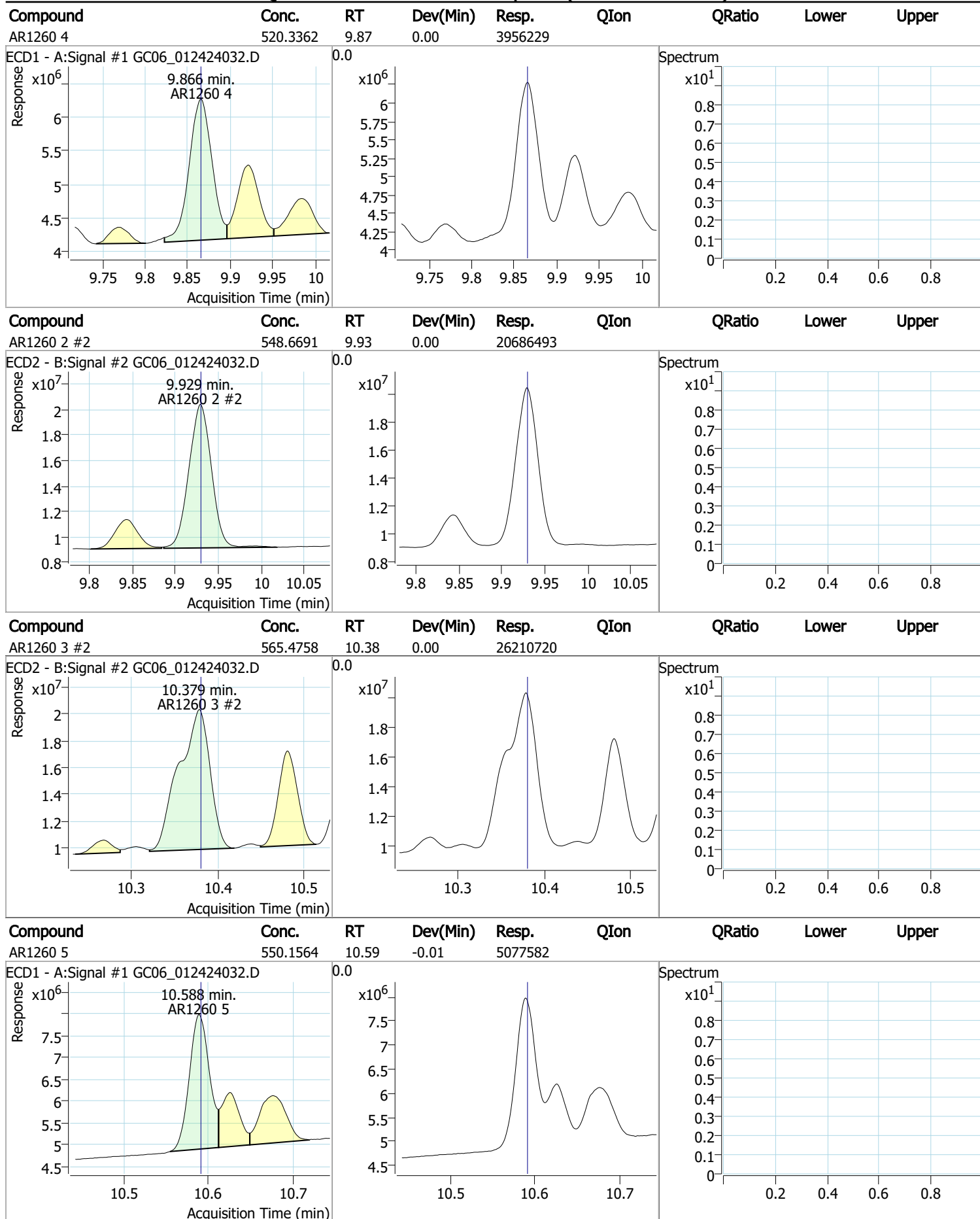
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	538.6876	7.40	0.00	11374655				



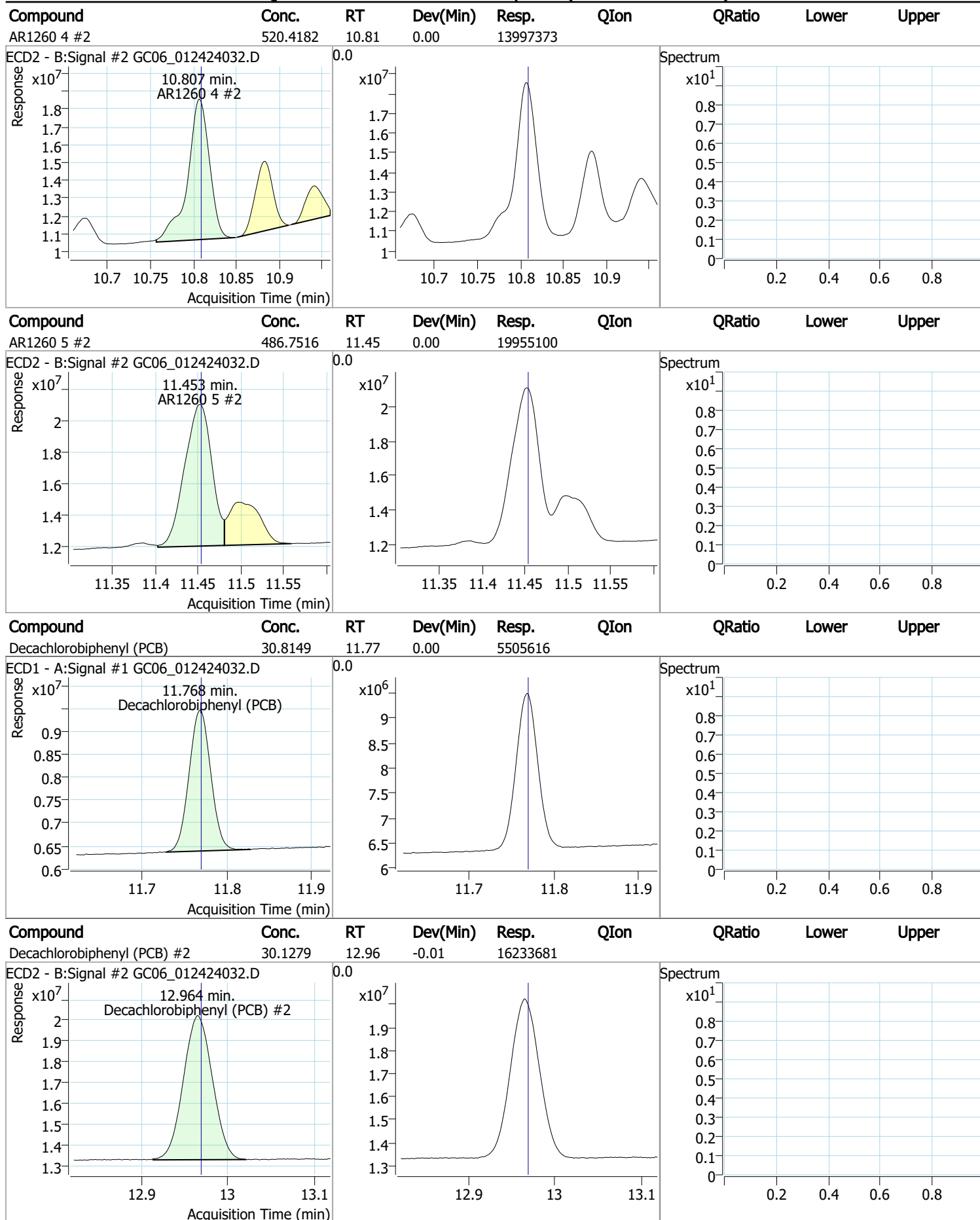
Quantitation Results Report (Not Reviewed)



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: 500180
Report Level: IV
Report Date: 01/26/2024

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 #: 500180
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 01/18/24

Sample ID	Lab ID	Collected	Matrix
ARCH-C12W-EXT-1 TO 2-240118-L-WF	500180-002	01/18/24 07:40	Wipe
ARCH-C12W-EXT-1 TO 2-240118-L-DUP-WF	500180-003	01/18/24 07:40	Wipe
ARCH-C13W-EXT-1 TO 2-240118-L-WF	500180-005	01/18/24 08:05	Wipe
ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-L-LA	500180-008	01/18/24 08:20	Wipe
ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-L-LA	500180-010	01/18/24 08:30	Wipe
ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-L-LA	500180-012	01/18/24 08:40	Wipe
ARCH-C13W-DG-2 TO 2.5-240118-L-FB	500180-014	01/18/24 08:50	Wipe
ARCH-C13W-DG-2 TO 2.5-240118-L-DUP-FB	500180-015	01/18/24 08:50	Wipe
ARCH-C12W-DG-2.5 TO 3-240118-L-FB	500180-017	01/18/24 09:00	Wipe
ARCH-C13W-PS-2.5-240118-L-G	500180-019	01/18/24 09:10	Wipe
ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-L-LA	500180-021	01/18/24 09:20	Wipe
ARCH-C13W-INT-2.5 TO 3.5-240118-L-WF	500180-023	01/18/24 09:30	Wipe

Case Narrative

METALS (EPA 6010B)

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

Lab Job 500180
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 01/18/24

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 01/19/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

500180

 ENTHALPY ANALYTICAL		Chain of Custody Record				Turn Around Time (rush by advanced notice only)												
		COC ID: _____				Standard: _____		X (PCBs)		5 Day: _____		3 Day: _____						
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking 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 IV				Sample Receipt Temp: (lab use only)								
CUSTOMER INFORMATION		PROJECT INFORMATION				Analysis Request								Test Instructions / Comments				
Company: Rincon Consultants, Inc.		Quote #: RIN031721				PCBs - EPA Method 3546/8082 Lead by EPA Method 3050M/5010B 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 6 Enclosure C/D (Low Occupancy)				
Report To: Lindsay Parker		Proj. Name: Hangar 1 - NCTRA WP																
Email: lparker@rinconconsultants.com		Proj. #: 20-10491																
Address: 449 15th Street, Suite 303		P.O. #: _____																
Oakland, California 94612		Address: 158 Cody Road, Mountain View, CA																
Phone: (651) 890-9556		Global ID: _____																
Fax: _____		Sampled By: D. Welsh																
Sample ID		Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.												
1	ARCH-C12W-EXT-1 TO 2-240118-P-WF	1/18/2024	0740	WP	1	--	X											
2	ARCH-C12W-EXT-1 TO 2-240118-L-WF	1/18/2024	0740	WP	1	--	X											
3	ARCH-C12W-EXT-1 TO 2-240118-L-DUP-WF	1/18/2024	0740	WP	1	--	X											
4	ARCH-C13W-EXT-1 TO 2-240118-P-WF	1/18/2024	0805	WP	1	--	X											
5	ARCH-C13W-EXT-1 TO 2-240118-L-WF	1/18/2024	0805	WP	1	--	X											
6	ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-LA	1/18/2024	0820	WP	1	--	X											
7	ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-DUP-LA	1/18/2024	0820	WP	1	--	X											
8	ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-L-LA	1/18/2024	0820	WP	1	--	X											
9	ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-P-LA	1/18/2024	0830	WP	1	--	X											
10	ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-L-LA	1/18/2024	0830	WP	1	--	X											
11	ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-P-LA	1/18/2024	0840	WP	1	--	X											
12	ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-L-LA	1/18/2024	0840	WP	1	--	X											
13	ARCH-C13W-DG-2 TO 2.5-240118-P-FB	1/18/2024	0850	WP	1	--	X											
14	ARCH-C13W-DG-2 TO 2.5-240118-L-FB	1/18/2024	0850	WP	1	--	X											
15	ARCH-C13W-DG-2 TO 2.5-240118-L-DUP-FB	1/18/2024	0850	WP	1	--	X											
Signature		Print Name		Company / Title				Date / Time										
Relinquished By: [Signature]		Donald Welsh		Rincon / Env. Scientist				1/18/24				1400						
Received By: Audrey Hudson		AUDREY HUDSON		ENTHALPY				1/18/24				14:00						
Relinquished By: Audrey Hudson		"		"				1/18/24				16:16						
Received By: [Signature]		Mamouda		BA				1/18/24				16:16						
Relinquished By: [Signature]		Mamouda		BA				1/18/24				16:16						
Received By: [Signature]		G. Kim		EA				1/19/24				1053-0930						

500180

 ENTHALPY ANALYTICAL		Chain of Custody Record COC ID: _____ Page: <u>2</u> of <u>2</u>				Turn Around Time (rush by advanced notice only) Standard: ☒ (PCBs) 5 Day: _____ 3 Day: _____ 2 Day: _____ 1 Day: ☒ (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				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		Sample Receipt Temp: (lab use only)					
CUSTOMER INFORMATION			PROJECT INFORMATION			Analysis Request						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) 890-9556 Fax:			Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: Address: 158 Cody Road, Mountain View, CA Global ID: Sampled By: <u>D. Welsh</u>			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 6 Enclosure C/D (Low Occupancy)					
Sample ID			Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.										
16	ARCH-C12W-DG-2.5 TO 3-240118-P-FB	1/18/2024	0900	WP	1	--	X										
17	ARCH-C12W-DG-2.5 TO 3-240118-L-FB	1/18/2024	0900	WP	1	--	X										
18	ARCH-C13W-PS-2.5-240118-P-G	1/18/2024	0910	WP	1	--	X										
19	ARCH-C13W-PS-2.5-240118-L-G	1/18/2024	0910	WP	1	--	X										
20	ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-P-LA	1/18/2024	0920	WP	1	--	X										
21	ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-L-LA	1/18/2024	0920	WP	1	--	X										
22	ARCH-C13W-INT-2.5 TO 3.5-240118-P-WF	1/18/2024	0930	WP	1	--	X										
23	ARCH-C13W-INT-2.5 TO 3.5-240118-L-WF	1/18/2024	0930	WP	1	--	X										
24	240118-P-FIELDBLANK1-LO	1/18/2024	0745	WP	1	--	X										
25																	
26																	
27																	
28																	
29																	
30																	
Signature		Print Name		Company / Title		Date / Time											
Relinquished By: <u>[Signature]</u>		Donald Welsh		Rincon / Env. Scientist		1/18/24 1400											
Received By: <u>Audrey Hudson</u>		AUDREY HUDSON		ENTHALPY		1/18/24 14:00											
Relinquished By: <u>Audrey Hudson</u>		" "		" "		1/18/24 16:16											
Received By: <u>[Signature]</u>		Kenneth Cys		EA		1/18/24 16:16											
Relinquished By: <u>[Signature]</u>		Kenneth Cys		EA		1/18/24 17:02											
Received By: <u>[Signature]</u>		G. Kim		EA		1/19/24 0830											



Date Received: 1/18/24 Login # 500180 Client: Roncon

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

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

Date Opened 1/18/24 By (print) my (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: 25 #2: 25 #3: 25 #4: 25 #5: 25 #6: 25

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

Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None

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: _____

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 11/18/14 By (print) me (sign) [Signature]

Date Labeled 1/18/24 By (print) W (sign) [Signature]



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 NTCRA

Date Received: 01/19/24

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: 3.3 #2: #3: #4:

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

Shipping Information: Southwest Airlines

Section 3

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

Cooler Temp (°C): #1: 3.3 #2: #3: #4:

Section 4

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

Section 5 Explanations/Comments

500180

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: JAN 19 2024

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:
18 JAN 19:07

526 OAK 9803 **5803** 

SNA 33/33	PC# 2 OF 6
	DG G
OAK WN 2652 19 JAN 07:30	LOT WT 214 LB (97.1 KG)
STN T	DATE ETD LOT 01


PC
132

S

Results & QC Summary

Lead

Lab #: 500180		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C12W-EXT-1 TO 2-240118-L-WF		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-002		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
500180-002 Analyte		Result	RL Units
Lead		17	0.50 ug/ft2
Field ID: ARCH-C12W-EXT-1 TO 2-240118-L-DUP-WF		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-003		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
500180-003 Analyte		Result	RL Units
Lead		14	0.50 ug/ft2
Field ID: ARCH-C13W-EXT-1 TO 2-240118-L-WF		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-005		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
500180-005 Analyte		Result	RL Units
Lead		4.6	0.50 ug/ft2
Field ID: ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-L-LA		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-008		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
500180-008 Analyte		Result	RL Units
Lead		60	0.50 ug/ft2
Field ID: ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-L-LA		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-010		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
500180-010 Analyte		Result	RL Units
Lead		77	0.50 ug/ft2

Lead

Lab #: 500180		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-L-LA		Batch#: 330937	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-012		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
500180-012 Analyte		Result	RL Units
Lead		38	0.50 ug/ft2
Field ID: ARCH-C13W-DG-2 TO 2.5-240118-L-FB		Batch#: 330938	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-014		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
500180-014 Analyte		Result	RL Units
Lead		24	0.50 ug/ft2
Field ID: ARCH-C13W-DG-2 TO 2.5-240118-L-DUP-FB		Batch#: 330938	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-015		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
500180-015 Analyte		Result	RL Units
Lead		9.0	0.50 ug/ft2
Field ID: ARCH-C12W-DG-2.5 TO 3-240118-L-FB		Batch#: 330938	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-017		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
500180-017 Analyte		Result	RL Units
Lead		20	0.50 ug/ft2
Field ID: ARCH-C13W-PS-2.5-240118-L-G		Batch#: 330938	Prep: EPA 3050B
Type: SAMPLE		Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-019		Received: 01/18/24	Analyst: KLN
Matrix: Wipe		Prepared: 01/19/24	
Diln Fac: 1.000		Analyzed: 01/19/24	
500180-019 Analyte		Result	RL Units
Lead		50	0.50 ug/ft2

Lead

Lab #: 500180	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-L-LA	Batch#: 330938	Prep: EPA 3050B
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-021	Received: 01/18/24	Analyst: KLN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/19/24	

500180-021 Analyte	Result	RL	Units
Lead	21	0.50	ug/ft2

Field ID: ARCH-C13W-INT-2.5 TO 3.5-240118-L-WF	Batch#: 330938	Prep: EPA 3050B
Type: SAMPLE	Sampled: 01/18/24	Analysis: EPA 6010B
Lab ID: 500180-023	Received: 01/18/24	Analyst: KLN
Matrix: Wipe	Prepared: 01/19/24	
Diln Fac: 1.000	Analyzed: 01/19/24	

500180-023 Analyte	Result	RL	Units
Lead	43	0.50	ug/ft2

Type: BLANK	Batch#: 330937	Analysis: EPA 6010B
Lab ID: QC1121536	Prepared: 01/19/24	Analyst: KLN
Matrix: Wipe	Analyzed: 01/19/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1121536 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 330938	Analysis: EPA 6010B
Lab ID: QC1121539	Prepared: 01/19/24	Analyst: KLN
Matrix: Wipe	Analyzed: 01/19/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1121539 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

Lead: Batch QC

Lab #: 500180

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1121537

Matrix: Wipe

Diln Fac: 1.000

Batch#: 330937

Prepared: 01/19/24

Analyzed: 01/19/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: KLN

QC1121537 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.00	106	80-120	ug/ft2

Type: BS

Lab ID: QC1121540

Matrix: Wipe

Diln Fac: 1.000

Batch#: 330938

Prepared: 01/19/24

Analyzed: 01/19/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: KLN

QC1121540 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.56	103	80-120	ug/ft2

Type: BSD

Lab ID: QC1121538

Matrix: Wipe

Diln Fac: 1.000

Batch#: 330937

Prepared: 01/19/24

Analyzed: 01/19/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: KLN

QC1121538 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	52.99	106	80-120	ug/ft2	0	20

Type: BSD

Lab ID: QC1121541

Matrix: Wipe

Diln Fac: 1.000

Batch#: 330938

Prepared: 01/19/24

Analyzed: 01/19/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: KLN

QC1121541 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.82	110	80-120	ug/ft2	6	20

Legend

RPD: Relative Percent
Difference

REPORTING SUMMARY FOR 500180 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	P B
500180-002	MET06	01/19/24 20:30	1.0	✓
500180-003	MET06	01/19/24 20:39	1.0	✓
500180-005	MET06	01/19/24 20:43	1.0	✓
500180-008	MET06	01/19/24 20:46	1.0	✓
500180-010	MET06	01/19/24 20:49	1.0	✓
500180-012	MET06	01/19/24 20:53	1.0	✓
500180-014	MET06	01/19/24 20:56	1.0	✓
500180-015	MET06	01/19/24 20:59	1.0	✓
500180-017	MET06	01/19/24 21:02	1.0	✓
500180-019	MET06	01/19/24 21:06	1.0	✓
500180-021	MET06	01/19/24 21:09	1.0	✓
500180-023	MET06	01/19/24 21:19	1.0	✓
QC1121536	MET06	01/19/24 17:44	1.0	✓
QC1121537	MET06	01/19/24 17:47	1.0	✓
QC1121538	MET06	01/19/24 17:51	1.0	✓
QC1121539	MET06	01/19/24 17:54	1.0	✓
QC1121540	MET06	01/19/24 18:04	1.0	✓
QC1121541	MET06	01/19/24 18:07	1.0	✓

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
001	met06_master011	ICALBLK	CALBLANK			01/19/24 08:47	1.0	1	
002	met06_master011	ICAL	L1			01/19/24 08:50	1.0	2 1	
003	met06_master011	ICAL	L2			01/19/24 08:54	1.0	3 1	
004	met06_master011	ICAL	L3			01/19/24 08:57	1.0	4 1	
005	met06_master011	ICAL	L4			01/19/24 09:00	1.0	5 1	
006	met06_master011	ICAL	L5			01/19/24 09:03	1.0	6 1	
007	met06_master011	ICAL	L6			01/19/24 09:07	1.0	7 1	
008	met06_master011	ICAL	L7			01/19/24 09:10	1.0	8 1	
009	met06_master011	ICAL	L8			01/19/24 09:13	1.0	9 1	
010	met06_master011	ICV				01/19/24 09:17	1.0	10 1	
011	met06_master011	CRI				01/19/24 09:20	1.0	11 1	
012	met06_master011	ICB				01/19/24 09:23	1.0	1	
013	met06_master011	ICSA				01/19/24 09:26	1.0	12 1	6:MGASMGCO3=1400
014	met06_master011	ICSAB				01/19/24 09:30	1.0	13 1	6:MGASMGCO3=1400
015	met06_master011	LCS	QC1121313	Filtrate	330860	01/19/24 10:15	1.0	1	
016	met06_master011	MS	QC1121314	Filtrate	330860	01/19/24 10:18	1.0	1	1:CAASCACO3=890
017	met06_master011	MSD	QC1121315	Filtrate	330860	01/19/24 10:21	1.0	1	1:CAASCACO3=900
018	met06_master011	SAMPLE	500115-006	Filtrate	330860	01/19/24 10:25	1.0	1	
019	met06_master011	SAMPLE	500120-002	Filtrate	330860	01/19/24 10:28	10.0	1	
020	met06_master011	SAMPLE	500120-003	Filtrate	330860	01/19/24 10:31	10.0	1	
021	met06_master011	BLANK	QC1121324	Soil	330864	01/19/24 10:35	1.0	1	
022	met06_master011	LCS	QC1121325	Soil	330864	01/19/24 10:38	1.0	1	
023	met06_master011	MSS	500134-001	Soil	330864	01/19/24 10:41	1.0	1	4:ALASAL2O3=260
024	met06_master011	MS	QC1121326	Soil	330864	01/19/24 10:44	1.0	1	4:ALASAL2O3=180
025	met06_master011	CCV				01/19/24 10:48	1.0	10 1	
026	met06_master011	CCB				01/19/24 10:51	1.0	1	
027	met06_master011	MSD	QC1121327	Soil	330864	01/19/24 10:54	1.0	1	5:ALASAL2O3=190
028	met06_master011	PDS	QC1121328	Soil	330864	01/19/24 10:57	1.0	1	4:ALASAL2O3=260
029	met06_master011	SAMPLE	500169-001	Soil	330864	01/19/24 11:01	1.0	1	2:FE=130

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
030	met06_master011	SAMPLE	500169-002	Soil	330864	01/19/24 11:04	1.0	1	2:FE=100
031	met06_master011	BLANK	QC1121381	Soil	330888	01/19/24 11:07	1.0	1	
032	met06_master011	LCS	QC1121382	Soil	330888	01/19/24 11:10	1.0	1	
033	met06_master011	SAMPLE	500185-003	Soil	330888	01/19/24 11:14	1.0	1	2:FE=120
034	met06_master011	MSS	500212-001	Soil	330888	01/19/24 11:17	1.0	1	5:ALASAL2O3=340
035	met06_master011	MS	QC1121383	Soil	330888	01/19/24 11:20	1.0	1	5:ALASAL2O3=390
036	met06_master011	MSD	QC1121384	Soil	330888	01/19/24 11:23	1.0	1	6:ALASAL2O3=400
037	met06_master011	CCV				01/19/24 11:27	1.0	10 1	
038	met06_master011	CCB				01/19/24 11:30	1.0	1	
039	met06_master011	PDS	QC1121385	Soil	330888	01/19/24 11:33	1.0	1	5:ALASAL2O3=330
040	met06_master011	SAMPLE	500080-001	Miscell.	330864	01/19/24 11:37	1.0	1	
041	met06_master011	SAMPLE	500151-002	Soil	330864	01/19/24 11:40	1.0	1	3:FE=220
042	met06_master011	SAMPLE	500169-003	Soil	330864	01/19/24 11:43	1.0	1	2:FE=210
043	met06_master011	SAMPLE	500169-004	Soil	330864	01/19/24 11:46	1.0	1	2:FE=140
044	met06_master011	SAMPLE	500169-005	Soil	330864	01/19/24 11:50	1.0	1	3:FE=230
045	met06_master011	SAMPLE	500169-006	Soil	330864	01/19/24 11:53	1.0	1	2:FE=72
046	met06_master011	SAMPLE	500169-007	Soil	330864	01/19/24 11:56	1.0	1	3:FE=210
047	met06_master011	SAMPLE	500169-008	Soil	330864	01/19/24 11:59	1.0	1	2:FE=100
048	met06_master011	SAMPLE	500169-009	Soil	330864	01/19/24 12:03	1.0	1	3:FE=220
049	met06_master011	CCV				01/19/24 12:06	1.0	10 1	
050	met06_master011	CCB				01/19/24 12:09	1.0	1	
051	met06_master011	SAMPLE	500169-010	Soil	330864	01/19/24 12:12	1.0	1	3:FE=190
052	met06_master011	SAMPLE	500116-007	Soil	330888	01/19/24 12:16	1.0	1	2:FE=220
053	met06_master011	SAMPLE	500116-008	Soil	330888	01/19/24 12:19	1.0	1	2:FE=220
054	met06_master011	SAMPLE	500116-009	Soil	330888	01/19/24 12:22	1.0	1	2:FE=220
055	met06_master011	SAMPLE	500181-001	Miscell.	330888	01/19/24 12:25	1.0	1	5:CA=980
056	met06_master011	SAMPLE	500183-001	Soil	330888	01/19/24 12:29	1.0	1	3:FE=170
057	met06_master011	SAMPLE	500212-002	Soil	330888	01/19/24 12:32	1.0	1	2:FE=180
058	met06_master011	SAMPLE	500212-004	Soil	330888	01/19/24 12:35	1.0	1	3:FE=220

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
059	met06_master011	CCV				01/19/24 12:39	1.0	10 1	
060	met06_master011	CCB				01/19/24 12:42	1.0	1	
061	met06_master011	LCS	QC1121313	Filtrate	330860	01/19/24 12:45	1.0	1	
062	met06_master011	BLANK	QC1121351	Water	330880	01/19/24 12:49	1.0	1	
063	met06_master011	LCS	QC1121352	Water	330880	01/19/24 12:52	1.0	1	
064	met06_master011	MSS	500042-001	Water	330880	01/19/24 12:55	1.0	1	
065	met06_master011	MS	QC1121353	Water	330880	01/19/24 12:58	1.0	1	
066	met06_master011	MSD	QC1121354	Water	330880	01/19/24 13:02	1.0	1	
067	met06_master011	BLANK	QC1121320	Soil	330863	01/19/24 13:05	1.0	1	
068	met06_master011	LCS	QC1121321	Soil	330863	01/19/24 13:08	1.0	1	
069	met06_master011	SAMPLE	500068-001	Miscell.	330863	01/19/24 13:11	1.0	1	1:FE=68
070	met06_master011	SAMPLE	500068-002	Miscell.	330863	01/19/24 13:15	1.0	1	1:FE=20
071	met06_master011	CCV				01/19/24 13:18	1.0	10 1	
072	met06_master011	CCB				01/19/24 13:21	1.0	1	
073	met06_master011	CCV				01/19/24 13:28	1.0	10 1	
074	met06_master011	CCB				01/19/24 13:31	1.0	1	
075	met06_master011	SAMPLE	500093-002	Soil	330863	01/19/24 14:11	1.0	1	2:AL=260
076	met06_master011	MSS	500127-001	Soil	330863	01/19/24 14:15	1.0	1	4:FEASFE2O3=190
077	met06_master011	MS	QC1121322	Soil	330863	01/19/24 14:18	1.0	1	5:FEASFE2O3=190
078	met06_master011	MSD	QC1121323	Soil	330863	01/19/24 14:21	1.0	1	5:FEASFE2O3=200
079	met06_master011	PDS	QC1121329	Soil	330863	01/19/24 14:24	1.0	1	4:FEASFE2O3=180
080	met06_master011	SAMPLE	500127-002	Soil	330863	01/19/24 14:28	1.0	1	2:FE=120
081	met06_master011	SAMPLE	500127-003	Soil	330863	01/19/24 14:31	1.0	1	2:FE=110
082	met06_master011	SAMPLE	500129-001	Miscell.	330863	01/19/24 14:34	1.0	1	3:FE=150
083	met06_master011	SAMPLE	500129-002	Miscell.	330863	01/19/24 14:37	1.0	1	2:FE=87
084	met06_master011	SAMPLE	500129-003	Miscell.	330863	01/19/24 14:40	1.0	1	3:FE=140
085	met06_master011	CCV				01/19/24 14:44	1.0	10 1	
086	met06_master011	CCB				01/19/24 14:47	1.0	1	
087	met06_master011	BLANK	QC1121445	Water	330905	01/19/24 14:52	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
088	met06_master011	LCS	QC1121446	Water	330905	01/19/24 14:55	1.0	1	
089	met06_master011	SAMPLE	500082-001	Water	330905	01/19/24 14:58	1.0	1	
090	met06_master011	SAMPLE	500208-001	Water	330905	01/19/24 15:01	1.0	1	
091	met06_master011	MSS	500210-001	Water	330905	01/19/24 15:05	1.0	1	1:CAASCACO3=1000
092	met06_master011	MS	QC1121447	Water	330905	01/19/24 15:08	1.0	1	1:CAASCACO3=1000
093	met06_master011	MSD	QC1121448	Water	330905	01/19/24 15:11	1.0	1	1:CAASCACO3=1000
094	met06_master011	BLANK	QC1121451	Drinking Water	330908	01/19/24 15:14	1.0	1	
095	met06_master011	LCS	QC1121452	Drinking Water	330908	01/19/24 15:18	1.0	1	
096	met06_master011	MSS	500220-002	Drinking Water	330908	01/19/24 15:21	1.0	1	
097	met06_master011	CCV				01/19/24 15:24	1.0	10 1	
098	met06_master011	CCB				01/19/24 15:27	1.0	1	
099	met06_master011	MS	QC1121543	Drinking Water	330908	01/19/24 15:42	1.0	1	
100	met06_master011	MSD	QC1121544	Drinking Water	330908	01/19/24 15:45	1.0	1	
101	met06_master011	LCS	QC1121313	Filtrate	330860	01/19/24 15:48	1.0	1	
102	met06_master011	LCS	QC1121321	Soil	330863	01/19/24 15:51	1.0	1	
103	met06_master011	SAMPLE	500093-002	Soil	330863	01/19/24 15:55	1.0	1	2:AL=270
104	met06_master011	MSS	500127-001	Soil	330863	01/19/24 15:58	25.0	1	
105	met06_master011	MS	QC1121322	Soil	330863	01/19/24 16:01	25.0	1	
106	met06_master011	MSD	QC1121323	Soil	330863	01/19/24 16:04	25.0	1	
107	met06_master011	PDS	QC1121329	Soil	330863	01/19/24 16:08	25.0	1	
108	met06_master011	SAMPLE	500127-002	Soil	330863	01/19/24 16:11	25.0	1	
109	met06_master011	CCV				01/19/24 16:14	1.0	10 1	
110	met06_master011	CCB				01/19/24 16:17	1.0	1	
111	met06_master011	SAMPLE	500127-003	Soil	330863	01/19/24 16:21	25.0	1	
112	met06_master011	SAMPLE	500129-001	Miscell.	330863	01/19/24 16:24	1.0	1	3:FE=150
113	met06_master011	SAMPLE	500129-002	Miscell.	330863	01/19/24 16:27	1.0	1	2:FE=87
114	met06_master011	SAMPLE	500129-003	Miscell.	330863	01/19/24 16:30	1.0	1	3:FE=140
115	met06_master011	SAMPLE	500129-016	Soil	330863	01/19/24 16:33	1.0	1	2:FE=220
116	met06_master011	SAMPLE	500129-017	Soil	330863	01/19/24 16:37	1.0	1	2:FE=180

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
117	met06_master011	SAMPLE	500129-018	Soil	330863	01/19/24 16:40	1.0	1	2:FE=190
118	met06_master011	SAMPLE	500130-005	Soil	330863	01/19/24 16:43	1.0	1	3:FE=150
119	met06_master011	SAMPLE	500130-006	Soil	330863	01/19/24 16:46	1.0	1	3:FE=170
120	met06_master011	SAMPLE	500130-007	Miscell.	330863	01/19/24 16:50	1.0	1	3:FE=200
121	met06_master011	CCV				01/19/24 16:53	1.0	10 1	
122	met06_master011	CCB				01/19/24 16:56	1.0	1	
123	met06_master011	MSS	500184-001	Water	330949	01/19/24 17:25	1.0	1	
124	met06_master011	BLANK	QC1121617	Water	330962	01/19/24 17:28	1.0	1	
125	met06_master011	LCS	QC1121618	Water	330962	01/19/24 17:31	1.0	1	
126	met06_master011	MSS	500187-001	Water	330962	01/19/24 17:34	1.0	1	1:NA=1500
127	met06_master011	MS	QC1121619	Water	330962	01/19/24 17:38	1.0	1	1:NA=1500
128	met06_master011	MSD	QC1121620	Water	330962	01/19/24 17:41	1.0	1	1:NA=1500
129	met06_master011	BLANK	QC1121536	Wipe	330937	01/19/24 17:44	1.0	1	
130	met06_master011	BS	QC1121537	Wipe	330937	01/19/24 17:47	1.0	1	
131	met06_master011	BSD	QC1121538	Wipe	330937	01/19/24 17:51	1.0	1	
132	met06_master011	BLANK	QC1121539	Wipe	330938	01/19/24 17:54	1.0	1	
133	met06_master011	CCV				01/19/24 17:57	1.0	10 1	
134	met06_master011	CCB				01/19/24 18:00	1.0	1	
135	met06_master011	BS	QC1121540	Wipe	330938	01/19/24 18:04	1.0	1	
136	met06_master011	BSD	QC1121541	Wipe	330938	01/19/24 18:07	1.0	1	
137	met06_master011	SAMPLE	500144-001	Miscell.	330863	01/19/24 18:10	1.0	1	2:FE=89
138	met06_master011	SAMPLE	500145-001	Soil	330863	01/19/24 18:13	1.0	1	3:FE=210
139	met06_master011	SAMPLE	500145-002	Soil	330863	01/19/24 18:17	1.0	1	3:FE=230
140	met06_master011	SAMPLE	500150-001	Water	330962	01/19/24 18:20	1.0	1	
141	met06_master011	SAMPLE	500205-001	Water	330962	01/19/24 18:23	1.0	1	
142	met06_master011	SAMPLE	500206-001	Water	330962	01/19/24 18:26	1.0	1	
143	met06_master011	SAMPLE	500252-001	Water	330962	01/19/24 18:30	1.0	1	
144	met06_master011	SAMPLE	500252-002	Water	330962	01/19/24 18:33	1.0	1	
145	met06_master011	CCV				01/19/24 18:36	1.0	10 1	

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
146	met06_master011	CCB				01/19/24 18:39	1.0	1	
147	met06_master011	SAMPLE	500252-003	Water	330962	01/19/24 18:43	1.0	1	
148	met06_master011	SAMPLE	500285-001	Water	330962	01/19/24 18:46	1.0	1	
149	met06_master011	BLANK	QC1121645	Filtrate	330953	01/19/24 18:49	1.0	1	
150	met06_master011	?LCS	QC1121646		330953	01/19/24 18:52	1.0	1	
151	met06_master011	MSS	499852-003	Filtrate	330953	01/19/24 18:56	1.0	1	
152	met06_master011	?MS	QC1121647		330953	01/19/24 18:59	1.0	1	
153	met06_master011	?MSD	QC1121648		330953	01/19/24 19:02	1.0	1	
154	met06_master011	SAMPLE	500206-001	Filtrate	330953	01/19/24 19:05	1.0	1	
155	met06_master011	MSS	500208-001	Filtrate	330953	01/19/24 19:09	1.0	1	
156	met06_master011	SAMPLE	500210-001	Filtrate	330953	01/19/24 19:12	1.0	1	
157	met06_master011	CCV				01/19/24 19:15	1.0	10 1	
158	met06_master011	CCB				01/19/24 19:18	1.0	1	
159	met06_master011	SAMPLE	500231-001	Filtrate	330953	01/19/24 19:21	1.0	1	
160	met06_master011	SAMPLE	500231-004	Filtrate	330953	01/19/24 19:25	1.0	1	
161	met06_master011	SAMPLE	500231-005	Filtrate	330953	01/19/24 19:28	1.0	1	
162	met06_master011	SAMPLE	500231-006	Filtrate	330953	01/19/24 19:31	1.0	1	
163	met06_master011	SAMPLE	500231-007	Filtrate	330953	01/19/24 19:34	1.0	1	
164	met06_master011	SAMPLE	499977-001	Wipe	330937	01/19/24 19:38	1.0	1	1:FE=33
165	met06_master011	SAMPLE	499977-002	Wipe	330937	01/19/24 19:41	1.0	1	1:FE=30
166	met06_master011	SAMPLE	499977-003	Wipe	330937	01/19/24 19:44	1.0	1	1:FE=40
167	met06_master011	SAMPLE	499977-004	Wipe	330937	01/19/24 19:47	1.0	1	1:FE=21
168	met06_master011	SAMPLE	499977-005	Wipe	330937	01/19/24 19:51	1.0	1	
169	met06_master011	CCV				01/19/24 19:54	1.0	10 1	
170	met06_master011	CCB				01/19/24 19:57	1.0	1	
171	met06_master011	SAMPLE	499977-006	Wipe	330937	01/19/24 20:00	1.0	1	
172	met06_master011	SAMPLE	499977-007	Wipe	330937	01/19/24 20:04	1.0	1	1:FE=31
173	met06_master011	SAMPLE	499977-008	Wipe	330937	01/19/24 20:07	1.0	1	1:ZN=40
174	met06_master011	SAMPLE	499977-009	Wipe	330937	01/19/24 20:10	1.0	1	1:ZN=86

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
175	met06_master011	SAMPLE	499977-010	Wipe	330937	01/19/24 20:13	1.0	1	
176	met06_master011	SAMPLE	499977-011	Wipe	330937	01/19/24 20:17	1.0	1	
177	met06_master011	SAMPLE	499977-012	Wipe	330937	01/19/24 20:20	1.0	1	1:ZN=62
178	met06_master011	SAMPLE	499977-013	Wipe	330937	01/19/24 20:23	1.0	1	
179	met06_master011	SAMPLE	499977-014	Wipe	330937	01/19/24 20:26	1.0	1	
180	met06_master011	SAMPLE	500180-002	Wipe	330937	01/19/24 20:30	1.0	1	
181	met06_master011	CCV				01/19/24 20:33	1.0	10 1	
182	met06_master011	CCB				01/19/24 20:36	1.0	1	
183	met06_master011	SAMPLE	500180-003	Wipe	330937	01/19/24 20:39	1.0	1	
184	met06_master011	SAMPLE	500180-005	Wipe	330937	01/19/24 20:43	1.0	1	
185	met06_master011	SAMPLE	500180-008	Wipe	330937	01/19/24 20:46	1.0	1	1:FE=26
186	met06_master011	SAMPLE	500180-010	Wipe	330937	01/19/24 20:49	1.0	1	1:FE=61
187	met06_master011	SAMPLE	500180-012	Wipe	330937	01/19/24 20:53	1.0	1	1:FE=63
188	met06_master011	SAMPLE	500180-014	Wipe	330938	01/19/24 20:56	1.0	1	1:FE=28
189	met06_master011	SAMPLE	500180-015	Wipe	330938	01/19/24 20:59	1.0	1	1:FE=21
190	met06_master011	SAMPLE	500180-017	Wipe	330938	01/19/24 21:02	1.0	1	1:FE=25
191	met06_master011	SAMPLE	500180-019	Wipe	330938	01/19/24 21:06	1.0	1	1:FE=85
192	met06_master011	SAMPLE	500180-021	Wipe	330938	01/19/24 21:09	1.0	1	1:FE=18
193	met06_master011	CCV				01/19/24 21:12	1.0	10 1	
194	met06_master011	CCB				01/19/24 21:15	1.0	1	
195	met06_master011	SAMPLE	500180-023	Wipe	330938	01/19/24 21:19	1.0	1	1:FE=24
196	met06_master011	BLANK	QC1121482	TCLP Leachate	330915	01/19/24 21:22	1.0	1	1:NA=1100
197	met06_master011	LCS	QC1121483	TCLP Leachate	330915	01/19/24 21:25	1.0	1	1:NA=1000
198	met06_master011	SAMPLE	499654-016	TCLP Leachate	330915	01/19/24 21:28	1.0	1	1:NA=1100
199	met06_master011	MSS	500061-001	TCLP Leachate	330915	01/19/24 21:32	1.0	1	3:NA=1100
200	met06_master011	MS	QC1121484	TCLP Leachate	330915	01/19/24 21:35	1.0	1	3:NA=1100
201	met06_master011	MSD	QC1121485	TCLP Leachate	330915	01/19/24 21:38	1.0	1	3:NA=1100
202	met06_master011	SAMPLE	500061-002	TCLP Leachate	330915	01/19/24 21:41	1.0	1	1:NA=1100
203	met06_master011	BLANK	QC1121645	Filtrate	330953	01/19/24 21:45	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
204	met06_master011	BLANK	QC1121668	Filtrate	330953	01/19/24 21:48	1.0	1	
205	met06_master011	CCV				01/19/24 21:51	1.0	10 1	
206	met06_master011	CCB				01/19/24 21:54	1.0	1	
207	met06_master011	LCS	QC1121669	Filtrate	330953	01/19/24 21:58	1.0	1	
208	met06_master011	MSS	499852-003	Filtrate	330953	01/19/24 22:01	1.0	1	
209	met06_master011	MS	QC1121670	Filtrate	330953	01/19/24 22:04	1.0	1	
210	met06_master011	MSD	QC1121671	Filtrate	330953	01/19/24 22:07	1.0	1	
211	met06_master011	MSS	500208-001	Filtrate	330953	01/19/24 22:11	1.0	1	1:CAASCACO3=830
212	met06_master011	MS	QC1121672	Filtrate	330953	01/19/24 22:14	1.0	1	1:CAASCACO3=870
213	met06_master011	MSD	QC1121673	Filtrate	330953	01/19/24 22:17	1.0	1	1:CAASCACO3=890
214	met06_master011	SAMPLE	500210-001	Filtrate	330953	01/19/24 22:20	10.0	1	
215	met06_master011	SAMPLE	500231-001	Filtrate	330953	01/19/24 22:24	1.0	1	
216	met06_master011	SAMPLE	500231-004	Filtrate	330953	01/19/24 22:27	10.0	1	
217	met06_master011	CCV				01/19/24 22:30	1.0	10 1	
218	met06_master011	CCB				01/19/24 22:33	1.0	1	
219	met06_master011	SAMPLE	500231-005	Filtrate	330953	01/19/24 22:37	1.0	1	
220	met06_master011	SAMPLE	500231-006	Filtrate	330953	01/19/24 22:40	1.0	1	1:MN=23
221	met06_master011	SAMPLE	500231-007	Filtrate	330953	01/19/24 22:43	1.0	1	
222	met06_master011	SAMPLE	500252-001	Filtrate	330953	01/19/24 22:47	1.0	1	
223	met06_master011	SAMPLE	500252-002	Filtrate	330953	01/19/24 22:50	1.0	1	
224	met06_master011	SAMPLE	500252-003	Filtrate	330953	01/19/24 22:53	1.0	1	
225	met06_master011	SAMPLE	500206-001	Filtrate	330953	01/19/24 22:56	1.0	1	
226	met06_master011	CCV				01/19/24 23:00	1.0	10 1	
227	met06_master011	CCB				01/19/24 23:03	1.0	1	

RPS 01/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 60.

RPS 01/22/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 61 through 227.

Standards Used:

1=S16862 2=S19817 3=S19816 4=S19815 5=S19814 6=S19813 7=S19710 8=S19712 9=S19713 10=S19811 11=S19620 12=S19643 13=S19644

Date: 01/19/24
Sequence: MET06 01/19/24

Reference: met06_master011
Analyzed: 01/19/24 08:47

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	39704000	2100560	1248250
		LOWER LIMIT	11911200	630168	374475
		UPPER LIMIT	79408000	4201120	2496500
012	ICB		38187900	2086170	1170120
013	ICSA		34028800	1841990	1122370
014	ICSAB		34053500	1832540	1110890
015	LCS	QC1121313	39249300	2197370	1222300
016	MS	QC1121314	36747900	2007210	1161920
017	MSD	QC1121315	36474500	2006000	1160870
018	SAMPLE	500115-006	39213400	2174440	1188590
019	SAMPLE	500120-002	37971700	2100770	1168230
020	SAMPLE	500120-003	38004300	2089230	1168000
021	BLANK	QC1121324	37749100	2064750	1153150
022	LCS	QC1121325	37066300	2044280	1134640
023	MSS	500134-001	36241700	2007090	1133860
024	MS	QC1121326	36483100	2017560	1144520
025	CCV		36272600	2022570	1135620
026	CCB		38576400	2128340	1171880
027	MSD	QC1121327	36336800	2005900	1142740
028	PDS	QC1121328	36077200	1980730	1132310
029	SAMPLE	500169-001	35807300	1947480	1120590
030	SAMPLE	500169-002	36701900	2009700	1119180
031	BLANK	QC1121381	38183000	2095490	1146920
032	LCS	QC1121382	37424200	2058770	1134940
033	SAMPLE	500185-003	36214100	1985600	1129470
034	MSS	500212-001	36337800	2004250	1139200
035	MS	QC1121383	35396500	1967580	1108660
036	MSD	QC1121384	35811400	1987300	1124710
037	CCV		36598000	2037750	1120900
038	CCB		38417400	2126100	1152260
039	PDS	QC1121385	35281000	1967710	1104740
040	SAMPLE	500080-001	37580600	2086560	1145850
041	SAMPLE	500151-002	35559300	1980270	1110950
042	SAMPLE	500169-003	36263100	2017540	1128790
043	SAMPLE	500169-004	35674800	1960910	1099880
044	SAMPLE	500169-005	35628500	1951250	1106840
045	SAMPLE	500169-006	36197700	2008490	1104880
046	SAMPLE	500169-007	35550200	1983700	1103800
047	SAMPLE	500169-008	35965100	2011480	1091940
048	SAMPLE	500169-009	35725900	1987610	1102120
049	CCV		36576100	2042970	1118020
050	CCB		37988000	2117970	1129300
051	SAMPLE	500169-010	34787500	1966450	1088380
052	SAMPLE	500116-007	36328700	2018900	1127630
053	SAMPLE	500116-008	35846700	2022970	1125510
054	SAMPLE	500116-009	36167600	2016110	1108280
055	SAMPLE	500181-001	33314900	1885890	1100460
056	SAMPLE	500183-001	36250200	2008010	1113910
057	SAMPLE	500212-002	36058500	2017030	1108150
058	SAMPLE	500212-004	35208500	1971340	1096120
059	CCV		36626200	2033490	1102490
060	CCB		38125100	2125170	1123920
061	LCS	QC1121313	37675900	2189250	1160610
062	BLANK	QC1121351	38242200	2135780	1127930
063	LCS	QC1121352	37302400	2103700	1119760
064	MSS	500042-001	37543900	2110140	1106730
065	MS	QC1121353	37194800	2086410	1121540

Date: 01/19/24
Sequence: MET06 01/19/24

Reference: met06_master011
Analyzed: 01/19/24 08:47

#	Type	Sample ID	Y H	Y A	Y R
066	MSD	QC1121354	36715500	2047930	1099350
067	BLANK	QC1121320	37324900	2070820	1109180
068	LCS	QC1121321	36890300	2070920	1113680
069	SAMPLE	500068-001	35728500	1962040	1098160
070	SAMPLE	500068-002	35706100	1962980	1101500
071	CCV		36334500	2025150	1096850
072	CCB		37658300	2108150	1116510
073	CCV		35140300	1980790	1065730
074	CCB		37461900	2098840	1114050
075	SAMPLE	500093-002	34522900	1972980	1081000
076	MSS	500127-001	35624800	1985240	1082900
077	MS	QC1121322	35527800	1984000	1071430
078	MSD	QC1121323	36027000	2013170	1097820
079	PDS	QC1121329	36234400	2031340	1101710
080	SAMPLE	500127-002	35196400	1972950	1080500
081	SAMPLE	500127-003	36199700	2010430	1094670
082	SAMPLE	500129-001	36293500	2014020	1105430
083	SAMPLE	500129-002	36945800	2054370	1115500
084	SAMPLE	500129-003	36638800	2049180	1106080
085	CCV		36213500	2019150	1095090
086	CCB		37371000	2078430	1092390
087	BLANK	QC1121445	36966900	2056800	1083450
088	LCS	QC1121446	36023200	2015010	1074150
089	SAMPLE	500082-001	37392900	2082550	1100440
090	SAMPLE	500208-001	34601100	1913020	1047100
091	MSS	500210-001	33913300	1890730	1040260
092	MS	QC1121447	33593300	1866320	1039740
093	MSD	QC1121448	33735500	1877120	1037510
094	BLANK	QC1121451	38115100	2127310	1122480
095	LCS	QC1121452	36202000	2034460	1071470
096	MSS	500220-002	38221600	2158930	1135920
097	CCV		35759600	2007610	1079430
098	CCB		37872500	2101170	1107620
099	MS	QC1121543	37056800	2112950	1116690
100	MSD	QC1121544	37171000	2096370	1108920
101	LCS	QC1121313	36636800	2149900	1113500
102	LCS	QC1121321	36663600	2056440	1096700
103	SAMPLE	500093-002	35056500	1969250	1065530
104	MSS	500127-001	37825000	2119650	1104620
105	MS	QC1121322	37996000	2100760	1111050
106	MSD	QC1121323	37837300	2106060	1104460
107	PDS	QC1121329	37712700	2109760	1109440
108	SAMPLE	500127-002	37399400	2092860	1108210
109	CCV		35650000	2012300	1074180
110	CCB		37656600	2090100	1097110
111	SAMPLE	500127-003	37480400	2107400	1091800
112	SAMPLE	500129-001	35560800	2000760	1088520
113	SAMPLE	500129-002	36544300	2036640	1106630
114	SAMPLE	500129-003	36412000	2040680	1102860
115	SAMPLE	500129-016	36165000	2017920	1087810
116	SAMPLE	500129-017	36122700	2027610	1095940
117	SAMPLE	500129-018	35302500	1989690	1066360
118	SAMPLE	500130-005	35159200	1964990	1055840
119	SAMPLE	500130-006	35860300	2005110	1074990
120	SAMPLE	500130-007	35263800	1969400	1084750
121	CCV		35858700	2027380	1076410
122	CCB		37537800	2106910	1094880

Date: 01/19/24
Sequence: MET06 01/19/24

Reference: met06_master011
Analyzed: 01/19/24 08:47

#	Type	Sample ID	Y H	Y A	Y R
124	BLANK	QC1121617	37325000	2106430	1091990
125	LCS	QC1121618	36211200	2047540	1060680
126	MSS	500187-001	32035800	1879210	1005070
127	MS	QC1121619	32239700	1886890	1000560
128	MSD	QC1121620	32218000	1890020	1022100
129	BLANK	QC1121536	35306500	1951560	1041880
130	BS	QC1121537	35412000	1988850	1034240
131	BSD	QC1121538	35290900	1972090	1021350
132	BLANK	QC1121539	35547100	1991720	1044000
133	CCV		35660600	1998330	1043860
134	CCB		37036100	2073300	1072960
135	BS	QC1121540	33703500	1905580	994203
136	BSD	QC1121541	34443600	1933410	1025200
137	SAMPLE	500144-001	35994500	2008080	1081170
138	SAMPLE	500145-001	34564100	1918240	1069070
139	SAMPLE	500145-002	34573800	1921400	1062980
140	SAMPLE	500150-001	37907800	2104370	1093040
141	SAMPLE	500205-001	35990400	1998910	1063840
142	SAMPLE	500206-001	37852800	2086900	1091780
143	SAMPLE	500252-001	36376800	2018770	1076450
144	SAMPLE	500252-002	36175800	2008740	1085940
145	CCV		35433600	1948620	1057690
146	CCB		37410700	2044580	1084580
147	SAMPLE	500252-003	36866100	2034340	1074810
148	SAMPLE	500285-001	37546700	2075970	1116490
149	BLANK	QC1121645	75197700	4901350 *	2437770
151	MSS	499852-003	81322600 *	5497450 *	2325760
154	SAMPLE	500206-001	67243400	5130710 *	1614510
155	MSS	500208-001	72108500	4767470 *	1928510
156	SAMPLE	500210-001	73649000	4672950 *	1470770
157	CCV		35194600	1956000	1048160
158	CCB		36872500	2040960	1077320
159	SAMPLE	500231-001	89358900 *	4176120	1869490
160	SAMPLE	500231-004	66816800	6176700 *	1942940
161	SAMPLE	500231-005	65141800	4133540	1800230
162	SAMPLE	500231-006	78534800	3582420	1773900
163	SAMPLE	500231-007	73547600	3957980	1916060
164	SAMPLE	499977-001	35123900	1931270	1023860
165	SAMPLE	499977-002	35025500	1964080	1022620
166	SAMPLE	499977-003	35510500	1969510	1038170
167	SAMPLE	499977-004	35719700	1967670	1039060
168	SAMPLE	499977-005	36074000	1974890	1040930
169	CCV		36302800	2021520	1058870
170	CCB		37685200	2101600	1079200
171	SAMPLE	499977-006	35048200	1960030	1015860
172	SAMPLE	499977-007	35858000	1980740	1025310
173	SAMPLE	499977-008	36609500	2030280	1062740
174	SAMPLE	499977-009	35238200	1970360	1018710
175	SAMPLE	499977-010	35868700	2002600	1036700
176	SAMPLE	499977-011	35461100	1988670	1037750
177	SAMPLE	499977-012	36863600	2033560	1064150
178	SAMPLE	499977-013	37193800	2056810	1070420
179	SAMPLE	499977-014	36281200	2026960	1035850
180	SAMPLE	500180-002	36124200	2022760	1028430
181	CCV		35520100	2020750	1038300
182	CCB		37119100	2091530	1056300
183	SAMPLE	500180-003	36077400	1988400	1030760
184	SAMPLE	500180-005	36594400	2027140	1060320

Date: 01/19/24 Sequence: MET06 01/19/24			Reference: met06_master011 Analyzed: 01/19/24 08:47		
#	Type	Sample ID	Y H	Y A	Y R
185	SAMPLE	500180-008	35538200	1985910	1029320
186	SAMPLE	500180-010	35758300	1996010	1030560
187	SAMPLE	500180-012	36385300	2036460	1048110
188	SAMPLE	500180-014	36060900	2025070	1042510
189	SAMPLE	500180-015	35723600	2017110	1012680
190	SAMPLE	500180-017	35280900	1994820	1029480
191	SAMPLE	500180-019	34908300	1974560	1014430
192	SAMPLE	500180-021	36259600	2011760	1044210
193	CCV		36259800	2039060	1032860
194	CCB		37501700	2114350	1056770
195	SAMPLE	500180-023	35523600	1985060	1020850
196	BLANK	QC1121482	33771300	1958990	1019980
197	LCS	QC1121483	32460100	1923150	991243
198	SAMPLE	499654-016	31638100	1816720	973845
199	MSS	500061-001	32306000	1854560	996684
200	MS	QC1121484	31585200	1837020	972799
201	MSD	QC1121485	31484400	1824760	969317
202	SAMPLE	500061-002	32579800	1884040	995933
203	BLANK	QC1121645	38233900	2178520	1074270
204	BLANK	QC1121668	37847400	2167380	1060280
205	CCV		34420500	1974770	989888
206	CCB		36307600	2059050	1006900
207	LCS	QC1121669	35415800	2020940	1008180
208	MSS	499852-003	35334700	2046430	1018430
209	MS	QC1121670	35580800	2033010	1029920
210	MSD	QC1121671	35780000	2033680	1033110
211	MSS	500208-001	34413300	1968440	1012820
212	MS	QC1121672	34066200	1954620	1003310
213	MSD	QC1121673	34061300	1946150	990024
214	SAMPLE	500210-001	35034900	2008200	1005790
215	SAMPLE	500231-001	35468000	2051060	1022580
216	SAMPLE	500231-004	35055900	2039650	1017750
217	CCV		34008900	1949040	980620
218	CCB		35564800	2040420	1017650
219	SAMPLE	500231-005	35425900	2040820	1023060
220	SAMPLE	500231-006	33898300	1968880	976828
221	SAMPLE	500231-007	37019500	2122890	1035450
222	SAMPLE	500252-001	35302800	2054550	1019820
223	SAMPLE	500252-002	35027100	2033240	1008550
224	SAMPLE	500252-003	35973600	2067440	1016350
225	SAMPLE	500206-001	36497900	2133570	1036530
226	CCV		33907700	1945610	989979
227	CCB		36022800	2036450	1014190

Instrument: MET06

Calibration #: 484027887001

Units: mg/L

Date: 19-JAN-2024 08:47

X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	484027887002	L1	19-JAN-2024 08:50	S19817, S16862 (100X)
L2	met06_master011	484027887003	L2	19-JAN-2024 08:54	S19816, S16862 (100X)
L3	met06_master011	484027887004	L3	19-JAN-2024 08:57	S19815, S16862 (100X)
L4	met06_master011	484027887005	L4	19-JAN-2024 09:00	S19814, S16862 (100X)
L5	met06_master011	484027887006	L5	19-JAN-2024 09:03	S19813, S16862 (100X)
L6	met06_master011	484027887007	L6	19-JAN-2024 09:07	S19710, S16862 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00379	33.4476		0.0238	1.000		7	0.995	

Instrument amount = $a0 + (response \times a1) + (response^2 \times a2)$
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	0.0012	0.0192	0.0311	0.0316	0.0299	0.0299

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	18	0.0100	2	0.1000	8	1.0000	6	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	Cal Date: 19-JAN-2024
Calnum: 484027887001	

- ICV 484027887010 (19-JAN-2024) stds: S19811, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.045	mg/l	4	10	

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887012	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 09:23
Caldate: 19-JAN-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	39704000	38187900	-3.82
Yttrium	A	2100560	2086170	-0.69
Yttrium	R	1248250	1170120	-6.26

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887013	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 09:26
Caldate: 19-JAN-2024	

Standards: S19643, S16862 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01066]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.8	mg/l	91	
Aluminum	R	400.0	385.0	mg/l	96	
Calcium	R	400.0	395.3	mg/l	99	
Magnesium	R	400.0	389.6	mg/l	97	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	34028800	-14.29
Yttrium	A	2100560	1841990	-12.31
Yttrium	R	1248250	1122370	-10.08

--low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887014	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 09:30
Caldate: 19-JAN-2024	

Standards: S19644, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.026	mg/l	3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	34053500	-14.23
Yttrium	A	2100560	1832540	-12.76
Yttrium	R	1248250	1110890	-11.00

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887121	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 16:53
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0307	1.000	1.029	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	35858700	-9.68
Yttrium	A	2100560	2027380	-3.48
Yttrium	R	1248250	1076410	-13.77

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887122	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 16:56
Caldate: 19-JAN-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	39704000	37537800	-5.46
Yttrium	A	2100560	2106910	0.30
Yttrium	R	1248250	1094880	-12.29

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887133	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 17:57
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0305	1.000	1.023	mg/l	2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	35660600	-10.18
Yttrium	A	2100560	1998330	-4.87
Yttrium	R	1248250	1043860	-16.37

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887134	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 18:00
Caldate: 19-JAN-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	39704000	37036100	-6.72
Yttrium	A	2100560	2073300	-1.30
Yttrium	R	1248250	1072960	-14.04

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887145	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 18:36
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0306	1.000	1.028	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	35433600	-10.76
Yttrium	A	2100560	1948620	-7.23
Yttrium	R	1248250	1057690	-15.27

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887146	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 18:39
Caldate: 19-JAN-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	39704000	37410700	-5.78
Yttrium	A	2100560	2044580	-2.67
Yttrium	R	1248250	1084580	-13.11

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887169	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 19:54
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0310	1.000	1.039	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	36302800	-8.57
Yttrium	A	2100560	2021520	-3.76
Yttrium	R	1248250	1058870	-15.17

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887170	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 19:57
Caldate: 19-JAN-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	39704000	37685200	-5.08
Yttrium	A	2100560	2101600	0.05
Yttrium	R	1248250	1079200	-13.54

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887181	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 20:33
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0309	1.000	1.036	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	35520100	-10.54
Yttrium	A	2100560	2020750	-3.80
Yttrium	R	1248250	1038300	-16.82

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887182	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 20:36
Caldate: 19-JAN-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	39704000	37119100	-6.51
Yttrium	A	2100560	2091530	-0.43
Yttrium	R	1248250	1056300	-15.38

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887193	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 21:12
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0310	1.000	1.042	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	36259800	-8.67
Yttrium	A	2100560	2039060	-2.93
Yttrium	R	1248250	1032860	-17.26

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887194	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 21:15
Caldate: 19-JAN-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	39704000	37501700	-5.55
Yttrium	A	2100560	2114350	0.66
Yttrium	R	1248250	1056770	-15.34

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887205	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 21:51
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0309	1.000	1.036	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	34420500	-13.31
Yttrium	A	2100560	1974770	-5.99
Yttrium	R	1248250	989888	-20.70

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887206	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 21:54
Caldate: 19-JAN-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	39704000	36307600	-8.55
Yttrium	A	2100560	2059050	-1.98
Yttrium	R	1248250	1006900	-19.34

SAMPLE PREPARATION SUMMARY

Batch #: 330937	Method: 3050B	Analysis: ICP
Started By: MLL	Prep Date: 19-JAN-2024 14:00	Finished By: MLL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S19373	Spike S19372	Analysis
499977-001	Wipe	1.04 ft2	50 mL	48.08				6010
499977-002	Wipe	1.0828 ft2	50 mL	46.18				6010
499977-003	Wipe	1 ft2	50 mL	50.0				6010
499977-004	Wipe	1 ft2	50 mL	50.0				6010
499977-005	Wipe	1 ft2	50 mL	50.0				6010
499977-006	Wipe	1 ft2	50 mL	50.0				6010
499977-007	Wipe	1.0276 ft2	50 mL	48.66				6010
499977-008	Wipe	1.0276 ft2	50 mL	48.66				6010
499977-009	Wipe	1 ft2	50 mL	50.0				6010
499977-010	Wipe	1 ft2	50 mL	50.0				6010
499977-011	Wipe	1 ft2	50 mL	50.0				6010
499977-012	Wipe	1 ft2	50 mL	50.0				6010
499977-013	Wipe	1 ft2	50 mL	50.0				6010
499977-014	Wipe	1 ft2	50 mL	50.0				6010
500180-002	Wipe	1 ft2	50 mL	50.0				6010
500180-003	Wipe	1 ft2	50 mL	50.0				6010
500180-005	Wipe	1 ft2	50 mL	50.0				6010
500180-008	Wipe	1 ft2	50 mL	50.0				6010
500180-010	Wipe	1.04 ft2	50 mL	48.08				6010
500180-012	Wipe	1.02 ft2	50 mL	49.02				6010
QC1121536 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1121537 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1121538 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP

Analyst: KLN 01/22/24

Reviewer: JCP 01/22/24

Initials: ML Prep Method: 3050B / 3051 / Other: _____ Therm ID/Corr Factor: 942659 0

Prep Start, Date/Time: 11/19/24 14:00 Prep End, Date/Time: 11/19/24 15:59 QC Batch #: 330937 HotBlock Temp (Obs/Corr), °C: 94 / 94

HotBlock ID: 3

Therm ID/Corr Factor: 116534 0

Hotblock Temp (Obs/Cor), °C: 94 / 94

HotBlock ID: 3

HotBlock ID: 3

LCS Spike ID: 0.5wL, S19372, S19373
MS/MSD Spike ID: J
Gold Std ID: -

SAMPLE PREPARATION SUMMARY

Batch #: 330938	Method: 3050B	Analysis: ICP
Started By: MLL	Prep Date: 19-JAN-2024 14:00	Finished By: MLL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S19373	Spike S19372	Analysis
500180-014	Wipe	1 ft2	50 mL	50.0				6010
500180-015	Wipe	1 ft2	50 mL	50.0				6010
500180-017	Wipe	1 ft2	50 mL	50.0				6010
500180-019	Wipe	1.0828 ft2	50 mL	46.18				6010
500180-021	Wipe	1 ft2	50 mL	50.0				6010
500180-023	Wipe	1 ft2	50 mL	50.0				6010
QC1121539 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1121540 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1121541 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP

Analyst: KLN 01/22/24

Reviewer: JCP 01/22/24

Therm ID/Corr Factor: 942650 / 0

HotBlock Temp (Obs/Cor), °C: 94 / 94

UN

ML 119124

ICP Raw Data

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			01/19/24 08:47	1.0	1	
002	met06_master011	ICAL	L1			01/19/24 08:50	1.0	2 1	
003	met06_master011	ICAL	L2			01/19/24 08:54	1.0	3 1	
004	met06_master011	ICAL	L3			01/19/24 08:57	1.0	4 1	
005	met06_master011	ICAL	L4			01/19/24 09:00	1.0	5 1	
006	met06_master011	ICAL	L5			01/19/24 09:03	1.0	6 1	
007	met06_master011	ICAL	L6			01/19/24 09:07	1.0	7 1	
008	met06_master011	ICAL	L7			01/19/24 09:10	1.0	8 1	
009	met06_master011	ICAL	L8			01/19/24 09:13	1.0	9 1	
010	met06_master011	ICV				01/19/24 09:17	1.0	10 1	
011	met06_master011	CRI				01/19/24 09:20	1.0	11 1	
012	met06_master011	ICB				01/19/24 09:23	1.0	1	
013	met06_master011	ICSA				01/19/24 09:26	1.0	12 1	6:MGASMGCO3=1400
014	met06_master011	ICSAB				01/19/24 09:30	1.0	13 1	6:MGASMGCO3=1400
015	met06_master011	LCS	QC1121313	Filtrate	330860	01/19/24 10:15	1.0	1	
016	met06_master011	MS	QC1121314	Filtrate	330860	01/19/24 10:18	1.0	1	1:CAASCACO3=890
017	met06_master011	MSD	QC1121315	Filtrate	330860	01/19/24 10:21	1.0	1	1:CAASCACO3=900
018	met06_master011	SAMPLE	500115-006	Filtrate	330860	01/19/24 10:25	1.0	1	
019	met06_master011	SAMPLE	500120-002	Filtrate	330860	01/19/24 10:28	10.0	1	
020	met06_master011	SAMPLE	500120-003	Filtrate	330860	01/19/24 10:31	10.0	1	
021	met06_master011	BLANK	QC1121324	Soil	330864	01/19/24 10:35	1.0	1	
022	met06_master011	LCS	QC1121325	Soil	330864	01/19/24 10:38	1.0	1	
023	met06_master011	MSS	500134-001	Soil	330864	01/19/24 10:41	1.0	1	4:ALASAL2O3=260
024	met06_master011	MS	QC1121326	Soil	330864	01/19/24 10:44	1.0	1	4:ALASAL2O3=180
025	met06_master011	CCV				01/19/24 10:48	1.0	10 1	
026	met06_master011	CCB				01/19/24 10:51	1.0	1	
027	met06_master011	MSD	QC1121327	Soil	330864	01/19/24 10:54	1.0	1	5:ALASAL2O3=190
028	met06_master011	PDS	QC1121328	Soil	330864	01/19/24 10:57	1.0	1	4:ALASAL2O3=260
029	met06_master011	SAMPLE	500169-001	Soil	330864	01/19/24 11:01	1.0	1	2:FE=130

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
030	met06_master011	SAMPLE	500169-002	Soil	330864	01/19/24 11:04	1.0	1	2:FE=100
031	met06_master011	BLANK	QC1121381	Soil	330888	01/19/24 11:07	1.0	1	
032	met06_master011	LCS	QC1121382	Soil	330888	01/19/24 11:10	1.0	1	
033	met06_master011	SAMPLE	500185-003	Soil	330888	01/19/24 11:14	1.0	1	2:FE=120
034	met06_master011	MSS	500212-001	Soil	330888	01/19/24 11:17	1.0	1	5:ALASAL2O3=340
035	met06_master011	MS	QC1121383	Soil	330888	01/19/24 11:20	1.0	1	5:ALASAL2O3=390
036	met06_master011	MSD	QC1121384	Soil	330888	01/19/24 11:23	1.0	1	6:ALASAL2O3=400
037	met06_master011	CCV				01/19/24 11:27	1.0	10 1	
038	met06_master011	CCB				01/19/24 11:30	1.0	1	
039	met06_master011	PDS	QC1121385	Soil	330888	01/19/24 11:33	1.0	1	5:ALASAL2O3=330
040	met06_master011	SAMPLE	500080-001	Miscell.	330864	01/19/24 11:37	1.0	1	
041	met06_master011	SAMPLE	500151-002	Soil	330864	01/19/24 11:40	1.0	1	3:FE=220
042	met06_master011	SAMPLE	500169-003	Soil	330864	01/19/24 11:43	1.0	1	2:FE=210
043	met06_master011	SAMPLE	500169-004	Soil	330864	01/19/24 11:46	1.0	1	2:FE=140
044	met06_master011	SAMPLE	500169-005	Soil	330864	01/19/24 11:50	1.0	1	3:FE=230
045	met06_master011	SAMPLE	500169-006	Soil	330864	01/19/24 11:53	1.0	1	2:FE=72
046	met06_master011	SAMPLE	500169-007	Soil	330864	01/19/24 11:56	1.0	1	3:FE=210
047	met06_master011	SAMPLE	500169-008	Soil	330864	01/19/24 11:59	1.0	1	2:FE=100
048	met06_master011	SAMPLE	500169-009	Soil	330864	01/19/24 12:03	1.0	1	3:FE=220
049	met06_master011	CCV				01/19/24 12:06	1.0	10 1	
050	met06_master011	CCB				01/19/24 12:09	1.0	1	
051	met06_master011	SAMPLE	500169-010	Soil	330864	01/19/24 12:12	1.0	1	3:FE=190
052	met06_master011	SAMPLE	500116-007	Soil	330888	01/19/24 12:16	1.0	1	2:FE=220
053	met06_master011	SAMPLE	500116-008	Soil	330888	01/19/24 12:19	1.0	1	2:FE=220
054	met06_master011	SAMPLE	500116-009	Soil	330888	01/19/24 12:22	1.0	1	2:FE=220
055	met06_master011	SAMPLE	500181-001	Miscell.	330888	01/19/24 12:25	1.0	1	5:CA=980
056	met06_master011	SAMPLE	500183-001	Soil	330888	01/19/24 12:29	1.0	1	3:FE=170
057	met06_master011	SAMPLE	500212-002	Soil	330888	01/19/24 12:32	1.0	1	2:FE=180
058	met06_master011	SAMPLE	500212-004	Soil	330888	01/19/24 12:35	1.0	1	3:FE=220

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
059	met06_master011	CCV				01/19/24 12:39	1.0	10 1	
060	met06_master011	CCB				01/19/24 12:42	1.0	1	
061	met06_master011	LCS	QC1121313	Filtrate	330860	01/19/24 12:45	1.0	1	
062	met06_master011	BLANK	QC1121351	Water	330880	01/19/24 12:49	1.0	1	
063	met06_master011	LCS	QC1121352	Water	330880	01/19/24 12:52	1.0	1	
064	met06_master011	MSS	500042-001	Water	330880	01/19/24 12:55	1.0	1	
065	met06_master011	MS	QC1121353	Water	330880	01/19/24 12:58	1.0	1	
066	met06_master011	MSD	QC1121354	Water	330880	01/19/24 13:02	1.0	1	
067	met06_master011	BLANK	QC1121320	Soil	330863	01/19/24 13:05	1.0	1	
068	met06_master011	LCS	QC1121321	Soil	330863	01/19/24 13:08	1.0	1	
069	met06_master011	SAMPLE	500068-001	Miscell.	330863	01/19/24 13:11	1.0	1	1:FE=68
070	met06_master011	SAMPLE	500068-002	Miscell.	330863	01/19/24 13:15	1.0	1	1:FE=20
071	met06_master011	CCV				01/19/24 13:18	1.0	10 1	
072	met06_master011	CCB				01/19/24 13:21	1.0	1	
073	met06_master011	CCV				01/19/24 13:28	1.0	10 1	
074	met06_master011	CCB				01/19/24 13:31	1.0	1	
075	met06_master011	SAMPLE	500093-002	Soil	330863	01/19/24 14:11	1.0	1	2:AL=260
076	met06_master011	MSS	500127-001	Soil	330863	01/19/24 14:15	1.0	1	4:FEASFE2O3=190
077	met06_master011	MS	QC1121322	Soil	330863	01/19/24 14:18	1.0	1	5:FEASFE2O3=190
078	met06_master011	MSD	QC1121323	Soil	330863	01/19/24 14:21	1.0	1	5:FEASFE2O3=200
079	met06_master011	PDS	QC1121329	Soil	330863	01/19/24 14:24	1.0	1	4:FEASFE2O3=180
080	met06_master011	SAMPLE	500127-002	Soil	330863	01/19/24 14:28	1.0	1	2:FE=120
081	met06_master011	SAMPLE	500127-003	Soil	330863	01/19/24 14:31	1.0	1	2:FE=110
082	met06_master011	SAMPLE	500129-001	Miscell.	330863	01/19/24 14:34	1.0	1	3:FE=150
083	met06_master011	SAMPLE	500129-002	Miscell.	330863	01/19/24 14:37	1.0	1	2:FE=87
084	met06_master011	SAMPLE	500129-003	Miscell.	330863	01/19/24 14:40	1.0	1	3:FE=140
085	met06_master011	CCV				01/19/24 14:44	1.0	10 1	
086	met06_master011	CCB				01/19/24 14:47	1.0	1	
087	met06_master011	BLANK	QC1121445	Water	330905	01/19/24 14:52	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
088	met06_master011	LCS	QC1121446	Water	330905	01/19/24 14:55	1.0	1	
089	met06_master011	SAMPLE	500082-001	Water	330905	01/19/24 14:58	1.0	1	
090	met06_master011	SAMPLE	500208-001	Water	330905	01/19/24 15:01	1.0	1	
091	met06_master011	MSS	500210-001	Water	330905	01/19/24 15:05	1.0	1	1:CAASCACO3=1000
092	met06_master011	MS	QC1121447	Water	330905	01/19/24 15:08	1.0	1	1:CAASCACO3=1000
093	met06_master011	MSD	QC1121448	Water	330905	01/19/24 15:11	1.0	1	1:CAASCACO3=1000
094	met06_master011	BLANK	QC1121451	Drinking Water	330908	01/19/24 15:14	1.0	1	
095	met06_master011	LCS	QC1121452	Drinking Water	330908	01/19/24 15:18	1.0	1	
096	met06_master011	MSS	500220-002	Drinking Water	330908	01/19/24 15:21	1.0	1	
097	met06_master011	CCV				01/19/24 15:24	1.0	10 1	
098	met06_master011	CCB				01/19/24 15:27	1.0	1	
099	met06_master011	MS	QC1121543	Drinking Water	330908	01/19/24 15:42	1.0	1	
100	met06_master011	MSD	QC1121544	Drinking Water	330908	01/19/24 15:45	1.0	1	
101	met06_master011	LCS	QC1121313	Filtrate	330860	01/19/24 15:48	1.0	1	
102	met06_master011	LCS	QC1121321	Soil	330863	01/19/24 15:51	1.0	1	
103	met06_master011	SAMPLE	500093-002	Soil	330863	01/19/24 15:55	1.0	1	2:AL=270
104	met06_master011	MSS	500127-001	Soil	330863	01/19/24 15:58	25.0	1	
105	met06_master011	MS	QC1121322	Soil	330863	01/19/24 16:01	25.0	1	
106	met06_master011	MSD	QC1121323	Soil	330863	01/19/24 16:04	25.0	1	
107	met06_master011	PDS	QC1121329	Soil	330863	01/19/24 16:08	25.0	1	
108	met06_master011	SAMPLE	500127-002	Soil	330863	01/19/24 16:11	25.0	1	
109	met06_master011	CCV				01/19/24 16:14	1.0	10 1	
110	met06_master011	CCB				01/19/24 16:17	1.0	1	
111	met06_master011	SAMPLE	500127-003	Soil	330863	01/19/24 16:21	25.0	1	
112	met06_master011	SAMPLE	500129-001	Miscell.	330863	01/19/24 16:24	1.0	1	3:FE=150
113	met06_master011	SAMPLE	500129-002	Miscell.	330863	01/19/24 16:27	1.0	1	2:FE=87
114	met06_master011	SAMPLE	500129-003	Miscell.	330863	01/19/24 16:30	1.0	1	3:FE=140
115	met06_master011	SAMPLE	500129-016	Soil	330863	01/19/24 16:33	1.0	1	2:FE=220
116	met06_master011	SAMPLE	500129-017	Soil	330863	01/19/24 16:37	1.0	1	2:FE=180

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
117	met06_master011	SAMPLE	500129-018	Soil	330863	01/19/24 16:40	1.0	1	2:FE=190
118	met06_master011	SAMPLE	500130-005	Soil	330863	01/19/24 16:43	1.0	1	3:FE=150
119	met06_master011	SAMPLE	500130-006	Soil	330863	01/19/24 16:46	1.0	1	3:FE=170
120	met06_master011	SAMPLE	500130-007	Miscell.	330863	01/19/24 16:50	1.0	1	3:FE=200
121	met06_master011	CCV				01/19/24 16:53	1.0	10 1	
122	met06_master011	CCB				01/19/24 16:56	1.0	1	
123	met06_master011	MSS	500184-001	Water	330949	01/19/24 17:25	1.0	1	
124	met06_master011	BLANK	QC1121617	Water	330962	01/19/24 17:28	1.0	1	
125	met06_master011	LCS	QC1121618	Water	330962	01/19/24 17:31	1.0	1	
126	met06_master011	MSS	500187-001	Water	330962	01/19/24 17:34	1.0	1	1:NA=1500
127	met06_master011	MS	QC1121619	Water	330962	01/19/24 17:38	1.0	1	1:NA=1500
128	met06_master011	MSD	QC1121620	Water	330962	01/19/24 17:41	1.0	1	1:NA=1500
129	met06_master011	BLANK	QC1121536	Wipe	330937	01/19/24 17:44	1.0	1	
130	met06_master011	BS	QC1121537	Wipe	330937	01/19/24 17:47	1.0	1	
131	met06_master011	BSD	QC1121538	Wipe	330937	01/19/24 17:51	1.0	1	
132	met06_master011	BLANK	QC1121539	Wipe	330938	01/19/24 17:54	1.0	1	
133	met06_master011	CCV				01/19/24 17:57	1.0	10 1	
134	met06_master011	CCB				01/19/24 18:00	1.0	1	
135	met06_master011	BS	QC1121540	Wipe	330938	01/19/24 18:04	1.0	1	
136	met06_master011	BSD	QC1121541	Wipe	330938	01/19/24 18:07	1.0	1	
137	met06_master011	SAMPLE	500144-001	Miscell.	330863	01/19/24 18:10	1.0	1	2:FE=89
138	met06_master011	SAMPLE	500145-001	Soil	330863	01/19/24 18:13	1.0	1	3:FE=210
139	met06_master011	SAMPLE	500145-002	Soil	330863	01/19/24 18:17	1.0	1	3:FE=230
140	met06_master011	SAMPLE	500150-001	Water	330962	01/19/24 18:20	1.0	1	
141	met06_master011	SAMPLE	500205-001	Water	330962	01/19/24 18:23	1.0	1	
142	met06_master011	SAMPLE	500206-001	Water	330962	01/19/24 18:26	1.0	1	
143	met06_master011	SAMPLE	500252-001	Water	330962	01/19/24 18:30	1.0	1	
144	met06_master011	SAMPLE	500252-002	Water	330962	01/19/24 18:33	1.0	1	
145	met06_master011	CCV				01/19/24 18:36	1.0	10 1	

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
146	met06_master011	CCB				01/19/24 18:39	1.0	1	
147	met06_master011	SAMPLE	500252-003	Water	330962	01/19/24 18:43	1.0	1	
148	met06_master011	SAMPLE	500285-001	Water	330962	01/19/24 18:46	1.0	1	
149	met06_master011	BLANK	QC1121645	Filtrate	330953	01/19/24 18:49	1.0	1	
150	met06_master011	?LCS	QC1121646		330953	01/19/24 18:52	1.0	1	
151	met06_master011	MSS	499852-003	Filtrate	330953	01/19/24 18:56	1.0	1	
152	met06_master011	?MS	QC1121647		330953	01/19/24 18:59	1.0	1	
153	met06_master011	?MSD	QC1121648		330953	01/19/24 19:02	1.0	1	
154	met06_master011	SAMPLE	500206-001	Filtrate	330953	01/19/24 19:05	1.0	1	
155	met06_master011	MSS	500208-001	Filtrate	330953	01/19/24 19:09	1.0	1	
156	met06_master011	SAMPLE	500210-001	Filtrate	330953	01/19/24 19:12	1.0	1	
157	met06_master011	CCV				01/19/24 19:15	1.0	10 1	
158	met06_master011	CCB				01/19/24 19:18	1.0	1	
159	met06_master011	SAMPLE	500231-001	Filtrate	330953	01/19/24 19:21	1.0	1	
160	met06_master011	SAMPLE	500231-004	Filtrate	330953	01/19/24 19:25	1.0	1	
161	met06_master011	SAMPLE	500231-005	Filtrate	330953	01/19/24 19:28	1.0	1	
162	met06_master011	SAMPLE	500231-006	Filtrate	330953	01/19/24 19:31	1.0	1	
163	met06_master011	SAMPLE	500231-007	Filtrate	330953	01/19/24 19:34	1.0	1	
164	met06_master011	SAMPLE	499977-001	Wipe	330937	01/19/24 19:38	1.0	1	1:FE=33
165	met06_master011	SAMPLE	499977-002	Wipe	330937	01/19/24 19:41	1.0	1	1:FE=30
166	met06_master011	SAMPLE	499977-003	Wipe	330937	01/19/24 19:44	1.0	1	1:FE=40
167	met06_master011	SAMPLE	499977-004	Wipe	330937	01/19/24 19:47	1.0	1	1:FE=21
168	met06_master011	SAMPLE	499977-005	Wipe	330937	01/19/24 19:51	1.0	1	
169	met06_master011	CCV				01/19/24 19:54	1.0	10 1	
170	met06_master011	CCB				01/19/24 19:57	1.0	1	
171	met06_master011	SAMPLE	499977-006	Wipe	330937	01/19/24 20:00	1.0	1	
172	met06_master011	SAMPLE	499977-007	Wipe	330937	01/19/24 20:04	1.0	1	1:FE=31
173	met06_master011	SAMPLE	499977-008	Wipe	330937	01/19/24 20:07	1.0	1	1:ZN=40
174	met06_master011	SAMPLE	499977-009	Wipe	330937	01/19/24 20:10	1.0	1	1:ZN=86

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
175	met06_master011	SAMPLE	499977-010	Wipe	330937	01/19/24 20:13	1.0	1	
176	met06_master011	SAMPLE	499977-011	Wipe	330937	01/19/24 20:17	1.0	1	
177	met06_master011	SAMPLE	499977-012	Wipe	330937	01/19/24 20:20	1.0	1	1:ZN=62
178	met06_master011	SAMPLE	499977-013	Wipe	330937	01/19/24 20:23	1.0	1	
179	met06_master011	SAMPLE	499977-014	Wipe	330937	01/19/24 20:26	1.0	1	
180	met06_master011	SAMPLE	500180-002	Wipe	330937	01/19/24 20:30	1.0	1	
181	met06_master011	CCV				01/19/24 20:33	1.0	10 1	
182	met06_master011	CCB				01/19/24 20:36	1.0	1	
183	met06_master011	SAMPLE	500180-003	Wipe	330937	01/19/24 20:39	1.0	1	
184	met06_master011	SAMPLE	500180-005	Wipe	330937	01/19/24 20:43	1.0	1	
185	met06_master011	SAMPLE	500180-008	Wipe	330937	01/19/24 20:46	1.0	1	1:FE=26
186	met06_master011	SAMPLE	500180-010	Wipe	330937	01/19/24 20:49	1.0	1	1:FE=61
187	met06_master011	SAMPLE	500180-012	Wipe	330937	01/19/24 20:53	1.0	1	1:FE=63
188	met06_master011	SAMPLE	500180-014	Wipe	330938	01/19/24 20:56	1.0	1	1:FE=28
189	met06_master011	SAMPLE	500180-015	Wipe	330938	01/19/24 20:59	1.0	1	1:FE=21
190	met06_master011	SAMPLE	500180-017	Wipe	330938	01/19/24 21:02	1.0	1	1:FE=25
191	met06_master011	SAMPLE	500180-019	Wipe	330938	01/19/24 21:06	1.0	1	1:FE=85
192	met06_master011	SAMPLE	500180-021	Wipe	330938	01/19/24 21:09	1.0	1	1:FE=18
193	met06_master011	CCV				01/19/24 21:12	1.0	10 1	
194	met06_master011	CCB				01/19/24 21:15	1.0	1	
195	met06_master011	SAMPLE	500180-023	Wipe	330938	01/19/24 21:19	1.0	1	1:FE=24
196	met06_master011	BLANK	QC1121482	TCLP Leachate	330915	01/19/24 21:22	1.0	1	1:NA=1100
197	met06_master011	LCS	QC1121483	TCLP Leachate	330915	01/19/24 21:25	1.0	1	1:NA=1000
198	met06_master011	SAMPLE	499654-016	TCLP Leachate	330915	01/19/24 21:28	1.0	1	1:NA=1100
199	met06_master011	MSS	500061-001	TCLP Leachate	330915	01/19/24 21:32	1.0	1	3:NA=1100
200	met06_master011	MS	QC1121484	TCLP Leachate	330915	01/19/24 21:35	1.0	1	3:NA=1100
201	met06_master011	MSD	QC1121485	TCLP Leachate	330915	01/19/24 21:38	1.0	1	3:NA=1100
202	met06_master011	SAMPLE	500061-002	TCLP Leachate	330915	01/19/24 21:41	1.0	1	1:NA=1100
203	met06_master011	BLANK	QC1121645	Filtrate	330953	01/19/24 21:45	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 01/19/24 08:47

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
204	met06_master011	BLANK	QC1121668	Filtrate	330953	01/19/24 21:48	1.0	1	
205	met06_master011	CCV				01/19/24 21:51	1.0	10 1	
206	met06_master011	CCB				01/19/24 21:54	1.0	1	
207	met06_master011	LCS	QC1121669	Filtrate	330953	01/19/24 21:58	1.0	1	
208	met06_master011	MSS	499852-003	Filtrate	330953	01/19/24 22:01	1.0	1	
209	met06_master011	MS	QC1121670	Filtrate	330953	01/19/24 22:04	1.0	1	
210	met06_master011	MSD	QC1121671	Filtrate	330953	01/19/24 22:07	1.0	1	
211	met06_master011	MSS	500208-001	Filtrate	330953	01/19/24 22:11	1.0	1	1:CAASCACO3=830
212	met06_master011	MS	QC1121672	Filtrate	330953	01/19/24 22:14	1.0	1	1:CAASCACO3=870
213	met06_master011	MSD	QC1121673	Filtrate	330953	01/19/24 22:17	1.0	1	1:CAASCACO3=890
214	met06_master011	SAMPLE	500210-001	Filtrate	330953	01/19/24 22:20	10.0	1	
215	met06_master011	SAMPLE	500231-001	Filtrate	330953	01/19/24 22:24	1.0	1	
216	met06_master011	SAMPLE	500231-004	Filtrate	330953	01/19/24 22:27	10.0	1	
217	met06_master011	CCV				01/19/24 22:30	1.0	10 1	
218	met06_master011	CCB				01/19/24 22:33	1.0	1	
219	met06_master011	SAMPLE	500231-005	Filtrate	330953	01/19/24 22:37	1.0	1	
220	met06_master011	SAMPLE	500231-006	Filtrate	330953	01/19/24 22:40	1.0	1	1:MN=23
221	met06_master011	SAMPLE	500231-007	Filtrate	330953	01/19/24 22:43	1.0	1	
222	met06_master011	SAMPLE	500252-001	Filtrate	330953	01/19/24 22:47	1.0	1	
223	met06_master011	SAMPLE	500252-002	Filtrate	330953	01/19/24 22:50	1.0	1	
224	met06_master011	SAMPLE	500252-003	Filtrate	330953	01/19/24 22:53	1.0	1	
225	met06_master011	SAMPLE	500206-001	Filtrate	330953	01/19/24 22:56	1.0	1	
226	met06_master011	CCV				01/19/24 23:00	1.0	10 1	
227	met06_master011	CCB				01/19/24 23:03	1.0	1	

RPS 01/19/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 60.

RPS 01/22/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 61 through 227.

Standards Used:

1=S16862 2=S19817 3=S19816 4=S19815 5=S19814 6=S19813 7=S19710 8=S19712 9=S19713 10=S19811 11=S19620 12=S19643 13=S19644

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-002	Client ID: ARCH-C12W-EXT-1 TO 2-240118-L-WF
Seqnum: 484027887180	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330937	Time: 19-JAN-2024 20:30
Cal: 484027887001	Caldate: 19-JAN-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	0.3456	17	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	2022760	-3.70

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-002,330937					Sample Type: Unknown Sample		
Measure Date: 2024-01-19 20:30:09			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	70453.2000000	16250.8000000	6464.08000000	13201.1000000	18545.4000000	157986	11199.8000000
Int RSD	0.44328859	1.12141556	0.63918454	1.12186863	0.62756802	1.46362969	1.86382793
Int SD	312.31100000	182.23900000	41.31740000	148.09900000	116.38500000	2312.33000000	208.74500000
RelInt Mean	0.00003445	0.00212113	-0.00029136	0.00125182	0.00361061	0.14889800	0.00030957
RelInt RSD	30.18215597	5.16602000	9.95315010	3.66723650	0.98858919	0.28716302	25.27090541
RelInt SD	0.00001040	0.00010958	0.00002900	0.00004591	0.00003569	0.00042758	0.00007823
Conc Mean	<-0.00028381[mg/l]	0.25981500[mg/l]	<-0.01310170[mg/l]	0.01247590[mg/l]	0.01136470[mg/l]	5.78639000[mg/l]	0.00174010[mg/l]
Conc RSD	156.64328272	5.85820680	12.10972622	4.54403290	1.01421947	0.29466904	25.90540774
Conc SD	0.00044457[mg/l]	0.01522050[mg/l]	0.00158658[mg/l]	0.00056691[mg/l]	0.00011526[mg/l]	0.01705070[mg/l]	0.00045078[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	11552.0000000	138217	3876860	6827.02000000	22658.0000000	195795	7211.35000000
Int RSD	0.62414387	1.67485186	0.86773317	0.69180697	0.06170359	0.16977298	0.05326187
Int SD	72.10110000	2314.93000000	33640.8000000	47.22980000	13.98080000	332.40700000	3.84090000
RelInt Mean	0.00055024	0.00213413	1.92277000	0.00136798	0.00784029	0.09090390	-0.00017575
RelInt RSD	12.87138610	4.50175013	0.29394623	4.58788871	2.42855813	0.86788136	4.51096456
RelInt SD	0.00007082	0.00009607	0.00565191	0.00006276	0.00019041	0.00078894	0.00000793
Conc Mean	0.00354595[mg/l]	0.07185400[mg/l]	6.77206000[mg/l]	1.69638000[mg/l]	2.78980000[mg/l]	0.06280220[mg/l]	<-0.00147655[mg/l]
Conc RSD	13.10258182	4.76953266	0.29401393	5.42550018	2.59821851	0.87031028	4.50722969
Conc SD	0.00046461[mg/l]	0.00342710[mg/l]	0.01991080[mg/l]	0.09203710[mg/l]	0.07248510[mg/l]	0.00054657[mg/l]	0.00006655[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	51457.7000000	13897.2000000	32069.4000000	8100.13000000	7137.31000000	11144.5000000	23358.1000000
Int RSD	1.10688391	1.63120629	0.23788284	0.79593537	0.46253420	1.52976805	1.29757557
Int SD	569.57700000	226.69200000	76.28760000	64.47180000	33.01250000	170.48500000	303.08900000
RelInt Mean	0.03030380	0.00124465	0.01023300	0.00001297	0.00018436	0.00146160	0.01006410
RelInt RSD	1.12976590	10.50528261	1.28908433	295.28638744	5.04833504	5.77895457	0.84739917
RelInt SD	0.00034236	0.00013075	0.00013191	0.00003829	0.00000931	0.00008447	0.00008528
Conc Mean	4.24058000[mg/l]	0.00972046[mg/l]	0.34559900[mg/l]	<0.00009846[mg/l]	0.01234280[mg/l]	0.03011680[mg/l]	0.01059380[mg/l]
Conc RSD	1.11881394	11.36036772	1.27679478	2101.39371159	4.99174417	5.92941481	0.91240726
Conc SD	0.04744420[mg/l]	0.00110428[mg/l]	0.00441259[mg/l]	0.00206911[mg/l]	0.00061612[mg/l]	0.00178575[mg/l]	0.00009666[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	146640	6343.59000000	19806.7000000	2022760	36124200	1028430	6674830
Int RSD	2.88740453	0.30175027	0.60561325	0.72319504	1.46937787	1.40133991	0.80629469
Int SD	4234.09000000	19.14180000	119.95200000	14628.5000000	530801	14411.8000000	53818.8000000
RelInt Mean	0.00201738	-0.00036137	0.00007486	---	---	---	3.31841000
RelInt RSD	6.56455403	4.95244552	2.44326000	---	---	---	0.08487619
RelInt SD	0.00013243	0.00001790	0.00000183	---	---	---	0.00281654
Conc Mean	0.02019550[mg/l]	<-0.02494730[mg/l]	<0.00189260[mg/l]	2008980	36024600	1015080	11.46950000[mg/l]
Conc RSD	6.57814860	5.33528678	17.33203001	---	---	---	0.08499952
Conc SD	0.00132849[mg/l]	0.00133101[mg/l]	0.00032803[mg/l]	14504.8000000	530377	14342.0000000	0.00974902[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5766.27000000	21795.4000000	105136	56281.1000000	10904.5000000	78378.9000000	
Int RSD	2.78280414	0.46864017	2.93790899	0.12076665	0.24106470	0.18848568	
Int SD	160.46400000	102.14200000	3088.80000000	67.96880000	26.28690000	147.73300000	
RelInt Mean	-0.00033288	0.00145018	0.04673000	0.02405720	0.00016445	0.03493290	
RelInt RSD	34.85101103	2.36909901	3.93943933	0.86833464	11.83599878	0.93990479	
RelInt SD	0.00011601	0.00003436	0.00184090	0.00020890	0.00001946	0.00032834	
Conc Mean	<-0.00047642[mg/l]	0.02367070[mg/l]	0.77077900[mg/l]	0.69069200[mg/l]	<0.00056183[mg/l]	2.86612000[mg/l]	
Conc RSD	59.07603505	2.83335516	4.01039727	0.87378600	14.11099443	0.93534465	
Conc SD	0.00028145[mg/l]	0.00067068[mg/l]	0.03091130[mg/l]	0.00603517[mg/l]	0.00007928[mg/l]	0.02680810[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-003	Client ID: ARCH-C12W-EXT-1 TO 2-240118-L-DUP-WF
Seqnum: 484027887183	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330937	Time: 19-JAN-2024 20:39
Cal: 484027887001	Caldate: 19-JAN-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	0.2740	14	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	1988400	-5.34

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-003,330937

Sample Type: Unknown Sample

Measure Date: 2024-01-19 20:39:52

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	69668.1000000	15487.5000000	6630.37000000	13367.7000000	17256.3000000	135839	11099.7000000
Int RSD	0.41969424	0.74930751	0.31946181	0.36257172	0.64588006	0.76243936	0.03253746
Int SD	292.39300000	116.04900000	21.18150000	48.46750000	111.45500000	1035.69000000	3.61156000
RelInt Mean	0.00003307	0.00153393	-0.00031596	0.00138214	0.00305362	0.12691100	0.00026681
RelInt RSD	23.84489761	4.66666667	2.11749905	1.73815967	1.82657633	0.44344383	0.47207595
RelInt SD	0.00000788	0.00007158	0.00000669	0.00002402	0.00005578	0.00056278	0.00000126
Conc Mean	<0.00034293[mg/l]	0.17825000[mg/l]	<-0.01444820[mg/l]	0.01408520[mg/l]	0.00955749[mg/l]	4.91028000[mg/l]	0.00148451[mg/l]
Conc RSD	98.30898434	5.57826087	2.53426724	2.10603328	1.91952071	0.45694543	0.95877428
Conc SD	0.00033713[mg/l]	0.00994325[mg/l]	0.00036616[mg/l]	0.00029664[mg/l]	0.00018346[mg/l]	0.02243730[mg/l]	0.00001423[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	11477.6000000	127397	3817320	6702.17000000	22447.0000000	175329	8014.02000000
Int RSD	0.10883547	1.49589865	0.57064118	1.57201324	0.17338397	0.43833251	4.22283698
Int SD	12.49170000	1905.73000000	21783.2000000	105.35900000	38.91950000	768.52400000	338.41900000
RelInt Mean	0.00054647	0.00185228	1.92610000	0.00135061	0.00769220	0.08209280	0.00021966
RelInt RSD	0.32872195	3.31165914	0.45238253	10.92210187	1.02365773	0.57257518	79.70909588
RelInt SD	0.00000180	0.00006134	0.00871334	0.00014752	0.00007874	0.00047004	0.00017509
Conc Mean	0.00352127[mg/l]	0.06180000[mg/l]	6.78377000[mg/l]	1.67089000[mg/l]	2.73343000[mg/l]	0.05669820[mg/l]	<0.00184281[mg/l]
Conc RSD	0.33475990	3.54056634	0.45240478	12.94765065	1.09662585	0.57430395	79.76025743
Conc SD	0.00001179[mg/l]	0.00218807[mg/l]	0.03069010[mg/l]	0.21634100[mg/l]	0.02997550[mg/l]	0.00032562[mg/l]	0.00146983[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	49790.9000000	14562.1000000	27437.4000000	8064.98000000	7353.49000000	11658.8000000	22618.3000000
Int RSD	0.99798758	1.06735979	0.23676296	0.42957577	0.21539840	0.74806755	0.61164632
Int SD	496.90700000	155.43000000	64.96160000	34.64520000	15.83930000	87.21570000	138.34400000
RelInt Mean	0.02873760	0.00161661	0.00809158	0.00003233	0.00023290	0.00154870	0.00947980
RelInt RSD	2.49252895	3.53123512	0.66434491	63.52887325	3.67840290	2.96935494	2.27806494
RelInt SD	0.00071629	0.00005709	0.00005376	0.00002054	0.00000857	0.00004599	0.00021596
Conc Mean	4.02355000[mg/l]	0.01286180[mg/l]	0.27399900[mg/l]	<0.00114526[mg/l]	0.01555610[mg/l]	0.03195850[mg/l]	0.00993166[mg/l]
Conc RSD	2.46692349	3.74828562	0.65662283	96.93868641	3.64583668	3.04242377	2.46371704
Conc SD	0.09925790[mg/l]	0.00048210[mg/l]	0.00179914[mg/l]	0.00111020[mg/l]	0.00056715[mg/l]	0.00097231[mg/l]	0.00024469[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	167681	6475.60000000	19602.8000000	1988400	36077400	1030760	3594230
Int RSD	9.78971977	0.30535703	0.24799518	0.50254577	0.84869475	0.68664966	0.32625069
Int SD	16415.5000000	19.77370000	48.61400000	9992.62000000	306187	7077.71000000	11726.2000000
RelInt Mean	0.00262340	-0.00041000	0.00007380	---	---	---	1.81622000
RelInt RSD	17.48803080	4.31297896	7.90242462	---	---	---	0.37436104
RelInt SD	0.00045878	0.00001768	0.00000583	---	---	---	0.00679922
Conc Mean	0.02627480[mg/l]	<0.02858520[mg/l]	<0.00170163[mg/l]	1974650	35978400	1017610	6.27678000[mg/l]
Conc RSD	17.51602296	4.62190224	61.47106010	---	---	---	0.37462361
Conc SD	0.00460230[mg/l]	0.00132118[mg/l]	0.00104601[mg/l]	9985.65000000	306079	7095.66000000	0.02351430[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5784.77000000	21319.0000000	95173.5000000	59600.4000000	10876.0000000	75457.3000000	
Int RSD	1.96875589	0.42178432	3.14939558	0.58194240	0.32971957	0.33216402	
Int SD	113.88800000	89.92020000	2997.39000000	346.84000000	35.86030000	250.64200000	
RelInt Mean	-0.00023279	0.00111310	0.04256650	0.02601580	0.00015511	0.03397970	
RelInt RSD	33.57969800	8.79130357	3.50235514	1.20750083	11.34395812	0.57228581	
RelInt SD	0.00007817	0.00009786	0.00149083	0.00031414	0.00001760	0.00019446	
Conc Mean	<0.00023359[mg/l]	<0.01709040[mg/l]	0.70079400[mg/l]	0.74728400[mg/l]	<0.00053140[mg/l]	2.78831000[mg/l]	
Conc RSD	81.18591898	11.17750316	3.57571555	1.21468812	12.55622883	0.56922652	
Conc SD	0.00018964[mg/l]	0.00191028[mg/l]	0.02505840[mg/l]	0.00907717[mg/l]	0.00006672[mg/l]	0.01587180[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-005	Client ID: ARCH-C13W-EXT-1 TO 2-240118-L-WF
Seqnum: 484027887184	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330937	Time: 19-JAN-2024 20:43
Cal: 484027887001	Caldate: 19-JAN-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	0.09129	4.6	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	2027140	-3.50

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-005,330937				Sample Type: Unknown Sample			
Measure Date: 2024-01-19 20:43:11			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	69768.7000000	14952.3000000	6615.32000000	13827.1000000	17306.3000000	181359	10871.6000000
Int RSD	0.09169714	2.16591427	0.13670692	0.73674885	0.73351323	0.99878694	0.65566798
Int SD	63.97590000	323.85400000	9.04360000	101.87100000	126.94400000	1811.39000000	71.28160000
RelInt Mean	0.00004138	0.00086173	-0.00033002	0.00162766	0.00302886	0.16677700	0.00017202
RelInt RSD	18.37643084	25.00481589	4.00638753	2.37386186	1.24149680	0.29161575	12.79980003
RelInt SD	0.00000760	0.00021547	0.00001322	0.00003864	0.00003760	0.00048635	0.00002202
Conc Mean	<0.00001269[mg/l]	<0.08487760[mg/l]	<-0.01521670[mg/l]	0.01711700[mg/l]	0.00948813[mg/l]	6.49880000[mg/l]	0.00097096[mg/l]
Conc RSD	2562.32368284	35.26289622	4.75524917	2.78695449	1.27957775	0.29832123	12.79886628
Conc SD	0.00032516[mg/l]	0.02993030[mg/l]	0.00072359[mg/l]	0.00047704[mg/l]	0.00012141[mg/l]	0.01938730[mg/l]	0.00012427[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	11152.1000000	93262.0000000	2293150	7177.13000000	23246.9000000	127464	7273.93000000
Int RSD	0.23882049	1.04247496	0.71228659	0.97526309	0.29748311	0.72666792	0.83494480
Int SD	26.63350000	972.23300000	16333.8000000	69.99590000	69.15560000	926.24000000	60.73330000
RelInt Mean	0.00041135	0.00089354	1.13217000	0.00175324	0.00827717	0.05679330	-0.00011945
RelInt RSD	1.47956971	3.40539137	0.26642289	4.96512172	0.91645091	1.18390902	21.11293428
RelInt SD	0.00000609	0.00003043	0.00301636	0.00008705	0.00007586	0.00067238	0.00002522
Conc Mean	0.00263483[mg/l]	0.02760170[mg/l]	3.98706000[mg/l]	2.26138000[mg/l]	2.95612000[mg/l]	0.03917140[mg/l]	<-0.00100395[mg/l]
Conc RSD	1.51536152	3.93233026	0.26656484	5.64531392	0.97702055	1.18914821	21.08790278
Conc SD	0.00003993[mg/l]	0.00108539[mg/l]	0.01062810[mg/l]	0.12766200[mg/l]	0.02888190[mg/l]	0.00046581[mg/l]	0.00021171[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	53162.2000000	12091.8000000	16742.3000000	7971.12000000	7259.57000000	10847.7000000	25131.9000000
Int RSD	0.72890512	0.66183943	1.50466782	0.68712301	0.91402934	0.72696424	0.97033253
Int SD	387.50200000	80.02830000	251.91600000	54.77140000	66.35460000	78.85890000	243.86300000
RelInt Mean	0.03117550	0.00036591	0.00262386	0.00000511	0.00017683	0.00107944	0.01166880
RelInt RSD	1.47508139	4.78592980	4.30606054	447.93759279	10.84102425	3.54237382	2.69787810
RelInt SD	0.00045986	0.00001751	0.00011299	0.00002290	0.00001917	0.00003824	0.00031481
Conc Mean	4.36136000[mg/l]	0.00229927[mg/l]	0.09129060[mg/l]	<-0.00032069[mg/l]	0.01184440[mg/l]	0.02203710[mg/l]	0.01241210[mg/l]
Conc RSD	1.46100987	6.43251989	4.14635242	385.98072264	10.71502144	3.66874952	2.87410672
Conc SD	0.06371990[mg/l]	0.00014790[mg/l]	0.00378523[mg/l]	0.00123779[mg/l]	0.00126913[mg/l]	0.00080849[mg/l]	0.00035674[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	105469	6497.67000000	19578.5000000	2027140	36594400	1060320	2494450
Int RSD	3.99977244	0.35889480	0.22263503	0.44532494	0.72005279	0.94446959	0.32800537
Int SD	4218.52000000	23.31980000	43.58860000	9027.36000000	263499	10014.4000000	8181.93000000
RelInt Mean	0.00088934	-0.00040342	0.00007010	---	---	---	1.23519000
RelInt RSD	12.88736417	3.73842710	4.21757236	---	---	---	0.48404861
RelInt SD	0.00011461	0.00001508	0.00000296	---	---	---	0.00597892
Conc Mean	0.00887962[mg/l]	<-0.02804470[mg/l]	<0.00103812[mg/l]	2013290	36495200	1047160	4.26831000[mg/l]
Conc RSD	12.94807661	4.00457127	51.07569452	---	---	---	0.48411666
Conc SD	0.00114974[mg/l]	0.00112307[mg/l]	0.00053023[mg/l]	9041.25000000	262995	10141.9000000	0.02066360[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5880.19000000	20247.3000000	75931.7000000	76945.3000000	10858.6000000	78442.8000000	
Int RSD	3.10282491	0.47340929	1.70214811	0.45491927	1.07715543	0.65454956	
Int SD	182.45200000	95.85260000	1292.47000000	350.03900000	116.96400000	513.44700000	
RelInt Mean	-0.00016410	0.00010592	0.03225610	0.03413610	0.00017495	0.03479770	
RelInt RSD	68.08434139	130.51162703	2.42433834	0.84141715	28.40739174	1.03813470	
RelInt SD	0.00011172	0.00013823	0.00078200	0.00028723	0.00004970	0.00036125	
Conc Mean	<-0.00006694[mg/l]	<-0.00257092[mg/l]	0.52773400[mg/l]	0.98191500[mg/l]	<0.00060924[mg/l]	2.85508000[mg/l]	
Conc RSD	404.89641903	104.96203694	2.48882960	0.84527072	31.13760661	1.03292727	
Conc SD	0.00027105[mg/l]	0.00269849[mg/l]	0.01313440[mg/l]	0.00829984[mg/l]	0.00018970[mg/l]	0.02949090[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-008	Client ID: ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-L-LA
Seqnum: 484027887185	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330937	Time: 19-JAN-2024 20:46
Cal: 484027887001	Caldate: 19-JAN-2024	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.190	60	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	1985910	-5.46

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-008,330937

Sample Type: Unknown Sample

Measure Date: 2024-01-19 20:46:30

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	70594.4000000	19535.9000000	7064.76000000	14246.2000000	20617.9000000	222533	12361.1000000
Int RSD	0.25662659	0.57624169	0.58988133	0.43586711	0.29044859	0.72668773	0.35589470
Int SD	181.16400000	112.57400000	41.67370000	62.09450000	59.88440000	1617.12000000	43.99250000
RelInt Mean	0.00002956	0.00527783	-0.00011633	0.00172721	0.00462014	0.21217200	0.00082582
RelInt RSD	31.56287103	3.73735039	15.08553548	2.13610968	0.55879476	0.37266746	3.98708442
RelInt SD	0.00000933	0.00019725	0.00001755	0.00003690	0.00002582	0.00079070	0.00003293
Conc Mean	<0.00049271[mg/l]	0.69829700[mg/l]	<0.00352973[mg/l]	0.01834630[mg/l]	0.01461710[mg/l]	8.30756000[mg/l]	0.00460004[mg/l]
Conc RSD	80.97517018	3.92373159	27.24078046	2.48313284	0.56713438	0.37927502	3.75014130
Conc SD	0.00039898[mg/l]	0.02739930[mg/l]	0.00096153[mg/l]	0.00045556[mg/l]	0.00008290[mg/l]	0.03150850[mg/l]	0.00017251[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	14018.9000000	214419	14598200	6968.67000000	24103.9000000	540240	7610.57000000
Int RSD	3.51626732	1.93693656	0.47042033	0.83034496	0.41056385	0.29363246	0.61899569
Int SD	492.94200000	4153.16000000	68672.9000000	57.86400000	98.96190000	1586.32000000	47.10910000
RelInt Mean	0.00168320	0.00430797	7.39635000	0.00159996	0.00928288	0.26698300	-0.00014668
RelInt RSD	14.97166112	2.56970220	0.23275940	3.63092202	3.82689424	0.95318429	8.14586557
RelInt SD	0.00025200	0.00011070	0.01721570	0.00005809	0.00035525	0.00254484	0.00001195
Conc Mean	0.01097840[mg/l]	0.14939600[mg/l]	26.05320000[mg/l]	2.03660000[mg/l]	3.33899000[mg/l]	0.18478400[mg/l]	<0.00123256[mg/l]
Conc RSD	15.05838738	2.64337733	0.23294029	4.18338898	4.05029665	0.95401658	8.13794055
Conc SD	0.00165317[mg/l]	0.00394910[mg/l]	0.06068840[mg/l]	0.08519890[mg/l]	0.13523900[mg/l]	0.00176287[mg/l]	0.00010031[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	52606.5000000	22530.7000000	81813.3000000	8511.72000000	7381.20000000	11793.5000000	27733.2000000
Int RSD	0.15808484	0.22419676	0.52885167	0.76547748	0.59501436	0.67562047	0.65787215
Int SD	83.16290000	50.51310000	432.67100000	65.15530000	43.91920000	79.67930000	182.44900000
RelInt Mean	0.03160340	0.00549997	0.03552450	0.00007979	0.00018172	0.00164430	0.01452290
RelInt RSD	0.75157736	0.19317014	0.38445580	30.63895970	7.00107857	1.74296053	0.72292724
RelInt SD	0.00023752	0.00001062	0.00013658	0.00002445	0.00001272	0.00002866	0.00010499
Conc Mean	4.42066000[mg/l]	0.04565770[mg/l]	1.19041000[mg/l]	0.00366648[mg/l]	0.01216820[mg/l]	0.03397970[mg/l]	0.01564610[mg/l]
Conc RSD	0.74453815	0.19656969	0.38328895	35.84718858	6.92195230	1.78313228	0.76056014
Conc SD	0.03291350[mg/l]	0.00008975[mg/l]	0.00456271[mg/l]	0.00131433[mg/l]	0.00084228[mg/l]	0.00060590[mg/l]	0.00011900[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	351304	6587.21000000	20192.8000000	1985910	35538200	1029320	9202250
Int RSD	10.65259718	0.10913346	0.22727160	0.68560005	0.23644501	0.87281020	0.74616751
Int SD	37423.0000000	7.18885000	45.89250000	13615.4000000	84028.3000000	8984.01000000	68664.2000000
RelInt Mean	0.00780641	-0.00041519	0.00007827	---	---	---	4.66274000
RelInt RSD	13.26179383	1.30340691	5.85956426	---	---	---	0.10019881
RelInt SD	0.001013527	0.00000541	0.00000459	---	---	---	0.00467201
Conc Mean	0.07826830[mg/l]	<0.02909360[mg/l]	<0.00250356[mg/l]	1971690	35438600	1016140	16.11650000[mg/l]
Conc RSD	13.26884575	1.32182679	32.85090032	---	---	---	0.09991313
Conc SD	0.01038530[mg/l]	0.00038457[mg/l]	0.00082244[mg/l]	13577.3000000	84248.2000000	8928.93000000	0.01610250[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5844.22000000	20384.2000000	185897	66464.5000000	11110.0000000	81635.7000000	
Int RSD	0.71889833	0.77182818	3.79178255	0.54965884	0.39691899	0.20578374	
Int SD	42.01400000	157.33100000	7048.81000000	365.32800000	44.09770000	167.99300000	
RelInt Mean	-0.00017766	0.00016705	0.08832210	0.02957010	0.00013268	0.03718180	
RelInt RSD	73.56914486	34.41976151	3.71929562	0.32957379	26.57185279	0.52226896	
RelInt SD	0.00013070	0.00005750	0.00328496	0.00009746	0.00003526	0.00019419	
Conc Mean	<0.00009984[mg/l]	<0.00137750[mg/l]	1.46915000[mg/l]	0.84998400[mg/l]	<0.00040685[mg/l]	3.04971000[mg/l]	
Conc RSD	317.59047536	81.48384755	3.75448389	0.33137800	33.63385211	0.51973466	
Conc SD	0.00031709[mg/l]	0.00112244[mg/l]	0.05515900[mg/l]	0.00281666[mg/l]	0.00013684[mg/l]	0.01585040[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-010	Client ID: ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-L-LA
Seqnum: 484027887186	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330937	Time: 19-JAN-2024 20:49
Cal: 484027887001	Caldate: 19-JAN-2024	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.04 ft2 ⇒ 50.0 ml = 48.08 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.599	77	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	1996010	-4.98

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-010,330937					Sample Type: Unknown Sample		
Measure Date: 2024-01-19 20:49:46			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	71121.0000000	21920.8000000	7741.94000000	14416.9000000	19805.6000000	217414	14369.0000000
Int RSD	0.28698275	0.36168160	0.39901756	1.34927758	0.64871047	0.94640180	0.36970631
Int SD	204.10500000	79.28350000	30.89170000	194.52400000	128.48100000	2057.61000000	53.12310000
RelInt Mean	0.00001836	0.00750139	0.00013041	0.00150842	0.00405090	0.20681300	0.00171231
RelInt RSD	28.93601494	1.89098287	3.05482152	4.25793214	3.13880866	0.09392446	2.59973369
RelInt SD	0.00000531	0.00014185	0.00000398	0.00006423	0.00012715	0.00019425	0.00004452
Conc Mean	<0.00097165[mg/l]	1.00716000[mg/l]	0.00994718[mg/l]	0.01564450[mg/l]	0.01278070[mg/l]	8.09406000[mg/l]	0.00969243[mg/l]
Conc RSD	23.38182140	1.95632273	2.20104592	5.06948768	3.21228884	0.09573823	2.59251808
Conc SD	0.00022719[mg/l]	0.01970330[mg/l]	0.00021894[mg/l]	0.00079310[mg/l]	0.00041055[mg/l]	0.00774911[mg/l]	0.00025128[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	23158.7000000	353120	34323400	6943.10000000	24303.5000000	1146430	8132.43000000
Int RSD	1.48459110	2.26879531	1.00186170	2.50735262	0.57310675	0.78653559	0.33986767
Int SD	343.81200000	8011.57000000	343873	174.08800000	139.28500000	9017.08000000	27.63950000
RelInt Mean	0.00607918	0.00813684	17.31440000	0.00142892	0.00923283	0.57113600	-0.00008458
RelInt RSD	3.21105807	3.15203445	0.84237398	8.78782577	1.12574368	0.45288863	32.44664625
RelInt SD	0.00019521	0.00025648	0.14585200	0.00012557	0.00010394	0.00258661	0.00002744
Conc Mean	0.03981670[mg/l]	0.28597200[mg/l]	60.99020000[mg/l]	1.78574000[mg/l]	3.31993000[mg/l]	0.39549300[mg/l]	<0.00071119[mg/l]
Conc RSD	3.21606261	3.19904047	0.84244190	10.31281150	1.19181429	0.45307249	32.39237787
Conc SD	0.00128053[mg/l]	0.00914836[mg/l]	0.51380700[mg/l]	0.18416000[mg/l]	0.03956740[mg/l]	0.00179187[mg/l]	0.00023037[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	51332.7000000	35747.4000000	106695	9229.65000000	7621.08000000	13756.2000000	26299.9000000
Int RSD	0.62067259	0.85227457	0.68379680	0.53659131	0.65877015	0.72063942	0.31022399
Int SD	318.60800000	304.66600000	729.57700000	49.52550000	50.20540000	99.13260000	81.58860000
RelInt Mean	0.02995510	0.01200510	0.04780240	0.00027968	0.00018130	0.00250119	0.01287390
RelInt RSD	0.50740275	1.77747791	1.50295801	3.35221828	20.67104247	2.71338443	1.58122247
RelInt SD	0.00015199	0.00021339	0.00071845	0.00000938	0.00003748	0.00006787	0.00020357
Conc Mean	4.19226000[mg/l]	0.10059500[mg/l]	1.59919000[mg/l]	0.01430010[mg/l]	0.01214020[mg/l]	0.05209670[mg/l]	0.01377760[mg/l]
Conc RSD	0.50252131	1.79149063	1.50162270	3.55182831	20.43706034	2.75437792	1.67440628
Conc SD	0.02106700[mg/l]	0.00180215[mg/l]	0.02401380[mg/l]	0.00050792[mg/l]	0.00248110[mg/l]	0.00143494[mg/l]	0.00023069[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	332228	6768.37000000	20636.2000000	1996010	35758300	1030560	14617700
Int RSD	5.86166729	0.09862035	0.20957056	0.74942510	0.75046073	0.96126184	1.04478133
Int SD	19474.1000000	6.67499000	43.24740000	14958.6000000	268352	9906.38000000	152723
RelInt Mean	0.00721487	-0.00041445	0.00007969	---	---	---	7.37274000
RelInt RSD	7.74808139	5.04623039	5.14164285	---	---	---	0.93548125
RelInt SD	0.00055901	0.00002091	0.00000410	---	---	---	0.06897060
Conc Mean	0.07233440[mg/l]	<0.02902510[mg/l]	<0.00275927[mg/l]	1981390	35657300	1017190	25.48430000[mg/l]
Conc RSD	7.75260457	5.36980062	26.62925339	---	---	---	0.93550147
Conc SD	0.00560780[mg/l]	0.00155859[mg/l]	0.00073477[mg/l]	14904.9000000	268687	9961.81000000	0.23840600[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5939.18000000	20810.1000000	233015	57648.1000000	11513.4000000	83663.2000000	
Int RSD	0.86809964	0.65511939	0.84330622	0.94296083	1.04518214	0.97982984	
Int SD	51.55800000	136.33100000	1965.03000000	543.59900000	120.33600000	819.75700000	
RelInt Mean	-0.00021926	0.00023183	0.11129500	0.02488970	0.00003312	0.03792850	
RelInt RSD	19.09801561	103.09673245	0.10192461	1.85122762	184.77543441	1.89902316	
RelInt SD	0.00004187	0.00023900	0.00011344	0.00046076	0.00006120	0.00072027	
Conc Mean	<0.00020078[mg/l]	<0.00011305[mg/l]	1.85489000[mg/l]	0.71474600[mg/l]	<0.00001874[mg/l]	3.11067000[mg/l]	
Conc RSD	50.59741114	4127.05882353	0.10227507	1.86260574	1231.09562136	1.89029373	
Conc SD	0.00010159[mg/l]	0.00466564[mg/l]	0.00189709[mg/l]	0.01331290[mg/l]	0.00023066[mg/l]	0.05880080[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-012	Client ID: ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-L-LA
Seqnum: 484027887187	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330937	Time: 19-JAN-2024 20:53
Cal: 484027887001	Caldate: 19-JAN-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	0.7824	38	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	2036460	-3.05

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-012,330937				Sample Type: Unknown Sample			
Measure Date: 2024-01-19 20:53:00			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	70949.0000000	19862.6000000	7514.15000000	14852.1000000	19089.6000000	166909	14044.9000000
Int RSD	0.58857771	0.88392255	0.29579260	0.19015425	0.87220790	0.22281902	0.51272206
Int SD	417.59000000	175.57000000	22.22630000	28.24190000	166.50100000	371.90500000	72.01130000
RelInt Mean	0.00002824	0.00551989	0.00008041	0.00171433	0.00365122	0.15461000	0.00153992
RelInt RSD	36.44647328	3.74498405	14.20483801	0.57583196	2.82322073	0.03043574	2.35437555
RelInt SD	0.00001029	0.00020672	0.00001142	0.00000987	0.00010308	0.00004706	0.00003626
Conc Mean	<0.00054939[mg/l]	0.73192000[mg/l]	0.00722090[mg/l]	0.01818720[mg/l]	0.01149300[mg/l]	6.01399000[mg/l]	0.00871867[mg/l]
Conc RSD	80.09716160	3.92314734	8.65253639	0.67012514	2.88953276	0.03086719	2.32530879
Conc SD	0.00044005[mg/l]	0.02871430[mg/l]	0.00062479[mg/l]	0.00012188[mg/l]	0.00033209[mg/l]	0.00185635[mg/l]	0.00020274[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	19900.2000000	351372	36124500	7086.38000000	24290.4000000	1150480	7890.60000000
Int RSD	0.36291243	2.36170782	0.22896012	1.04824889	1.06507509	0.81642358	0.16296353
Int SD	72.22030000	8298.38000000	82710.7000000	74.28290000	258.71100000	9392.79000000	12.85880000
RelInt Mean	0.00435737	0.00795715	17.85900000	0.00163824	0.00927147	0.56174000	-0.00009428
RelInt RSD	0.99536877	2.69998680	0.76685145	4.15670476	2.09719710	0.27654965	2.40790767
RelInt SD	0.00004337	0.00021484	0.13695200	0.00006810	0.00019444	0.00155349	0.00000227
Conc Mean	0.02852130[mg/l]	0.27956300[mg/l]	62.90880000[mg/l]	2.09273000[mg/l]	3.33464000[mg/l]	0.38898400[mg/l]	<-0.00079267[mg/l]
Conc RSD	0.99754569	2.74133916	0.76672103	4.77257458	2.21982583	0.27674146	2.40433015
Conc SD	0.00028451[mg/l]	0.00766377[mg/l]	0.48233500[mg/l]	0.09987710[mg/l]	0.07402320[mg/l]	0.00107648[mg/l]	0.00001906[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	50530.2000000	29735.1000000	59058.5000000	8876.03000000	7502.23000000	13318.5000000	24746.1000000
Int RSD	1.20376725	0.92973624	0.38637791	0.06907841	0.80944066	1.29920787	0.35725145
Int SD	608.26600000	276.45800000	228.18900000	6.13142000	60.72610000	173.03500000	88.40580000
RelInt Mean	0.02881620	0.00881069	0.02338190	0.00027901	0.00014955	0.00234354	0.01115620
RelInt RSD	2.21125270	1.37098230	0.23072248	1.41985857	16.42723407	2.67472712	1.21034044
RelInt SD	0.00063720	0.00012079	0.00005395	0.00000396	0.00002457	0.00006268	0.00013503
Conc Mean	4.03443000[mg/l]	0.07361760[mg/l]	0.78238400[mg/l]	0.01433060[mg/l]	0.01003820[mg/l]	0.04876350[mg/l]	0.01183120[mg/l]
Conc RSD	2.18859418	1.38567408	0.22990629	1.48260366	16.20170947	2.17774996	1.29341910
Conc SD	0.08829730[mg/l]	0.00102010[mg/l]	0.00179875[mg/l]	0.00021247[mg/l]	0.00162636[mg/l]	0.00132527[mg/l]	0.00015303[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	305464	6658.69000000	20404.8000000	2036460	36385300	1048110	6706090
Int RSD	5.07218527	0.11159643	0.81210794	0.62444143	0.85964662	0.27385294	0.59172185
Int SD	15493.7000000	7.43086000	165.70900000	12716.5000000	312785	2870.28000000	39681.4000000
RelInt Mean	0.00637144	-0.00039298	0.00007546	---	---	---	3.31269000
RelInt RSD	7.53771518	3.50681341	6.97155035	---	---	---	0.07767736
RelInt SD	0.00048026	0.00001378	0.00000526	---	---	---	0.00257321
Conc Mean	0.06387340[mg/l]	<0.02740780[mg/l]	<0.00199942[mg/l]	2021840	36284500	1034810	11.44970000[mg/l]
Conc RSD	7.54270166	3.78038369	47.18268298	---	---	---	0.07754954
Conc SD	0.00481778[mg/l]	0.00103612[mg/l]	0.00094338[mg/l]	12733.7000000	312682	2947.76000000	0.00887919[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5893.80000000	20656.4000000	201126	72550.8000000	11267.9000000	78789.0000000	
Int RSD	1.59593980	1.43450940	1.92171077	0.52734636	0.75105920	0.37525162	
Int SD	94.06150000	296.31800000	3865.06000000	382.59400000	84.62860000	295.65700000	
RelInt Mean	-0.00018237	0.00031575	0.09337140	0.03181910	-0.00003075	0.03482960	
RelInt RSD	49.04168929	57.21262256	1.74146473	0.37334808	177.12506504	0.22640570	
RelInt SD	0.00008944	0.00018065	0.00162603	0.00011880	0.00005447	0.00007886	
Conc Mean	<-0.00011129[mg/l]	<0.00152532[mg/l]	1.55393000[mg/l]	0.91496600[mg/l]	<-0.00025039[mg/l]	2.85768000[mg/l]	
Conc RSD	194.98054580	231.19804369	1.75711905	0.37520411	81.50590284	0.22520996	
Conc SD	0.00021699[mg/l]	0.00352651[mg/l]	0.02730440[mg/l]	0.00343299[mg/l]	0.00020408[mg/l]	0.00643578[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-014	Client ID: ARCH-C13W-DG-2 TO 2.5-240118-L-FB
Seqnum: 484027887188	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330938	Time: 19-JAN-2024 20:56
Cal: 484027887001	Caldate: 19-JAN-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	0.4859	24	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	2025070	-3.59

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-014,330938					Sample Type: Unknown Sample		
Measure Date: 2024-01-19 20:56:16			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	70115.3000000	16687.0000000	6876.01000000	13597.8000000	18606.6000000	163997	11973.7000000
Int RSD	0.62488358	0.29894888	1.05795803	0.72457236	0.70598067	0.42325957	0.75039211
Int SD	438.13900000	49.88560000	72.74530000	98.52590000	131.35900000	694.13300000	89.84970000
RelInt Mean	0.00002496	0.00250799	-0.00024260	0.00139990	0.00358735	0.15268500	0.00066038
RelInt RSD	5.24187442	6.32873337	17.13822881	1.09038503	1.79728490	0.32674002	6.34595379
RelInt SD	0.00000131	0.00015872	0.00004158	0.00001526	0.00006447	0.00049888	0.00004191
Conc Mean	<0.00068947[mg/l]	0.31355200[mg/l]	<-0.01043790[mg/l]	0.01430450[mg/l]	0.01128990[mg/l]	5.93726000[mg/l]	0.00374671[mg/l]
Conc RSD	8.11439495	7.03168852	21.79882927	1.31740361	1.84502077	0.33474364	6.52866115
Conc SD	0.00005595[mg/l]	0.02204800[mg/l]	0.00227534[mg/l]	0.00018845[mg/l]	0.00020830[mg/l]	0.01987460[mg/l]	0.00024461[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	13134.7000000	145380	15781600	6689.01000000	22824.9000000	430084	7420.62000000
Int RSD	0.29708101	1.71635713	0.14019428	0.40298340	0.16075558	0.54830917	0.57310575
Int SD	39.02070000	2495.24000000	22124.9000000	26.95560000	36.69230000	2358.19000000	42.52800000
RelInt Mean	0.00124941	0.00233433	7.84090000	0.00128805	0.00789612	0.20705400	-0.00018351
RelInt RSD	0.51997103	3.85055669	0.66018952	4.53992469	0.20510960	0.97783187	10.20320861
RelInt SD	0.00000650	0.00008988	0.05176480	0.00005848	0.00001620	0.00202464	0.00001872
Conc Mean	0.00813265[mg/l]	0.07899510[mg/l]	27.61910000[mg/l]	1.57914000[mg/l]	2.81106000[mg/l]	0.14326700[mg/l]	<-0.00154168[mg/l]
Conc RSD	0.52417724	4.05882137	0.66022427	5.43055714	0.21938201	0.97916478	10.19530642
Conc SD	0.00004263[mg/l]	0.00320627[mg/l]	0.18234800[mg/l]	0.08575610[mg/l]	0.00616696[mg/l]	0.00140282[mg/l]	0.00015718[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	48399.3000000	17621.1000000	40718.3000000	8282.40000000	7398.47000000	11107.2000000	23964.5000000
Int RSD	0.42432225	0.32438838	0.53694039	0.53346856	0.65716831	0.39366267	0.86127814
Int SD	205.36900000	57.16080000	218.63300000	44.18400000	48.62040000	43.72490000	206.40100000
RelInt Mean	0.02701220	0.00304362	0.01445940	0.00008509	0.00018203	0.00120471	0.01048800
RelInt RSD	1.35379199	1.57184537	0.88738122	20.76457135	8.30134262	0.78082360	2.01294813
RelInt SD	0.00036569	0.00004784	0.00012831	0.00001767	0.00001511	0.00000941	0.00021112
Conc Mean	3.78446000[mg/l]	0.02491320[mg/l]	0.48587600[mg/l]	0.00396941[mg/l]	0.01218870[mg/l]	0.02468550[mg/l]	0.01107410[mg/l]
Conc RSD	1.33883302	1.62177882	0.88324181	24.05097987	8.20735599	0.80578072	2.16034712
Conc SD	0.05066760[mg/l]	0.00040404[mg/l]	0.00429146[mg/l]	0.00095468[mg/l]	0.00100037[mg/l]	0.00019891[mg/l]	0.00023924[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	155737	6573.16000000	19957.1000000	2025070	36060900	1042510	4145950
Int RSD	5.40904217	0.43759318	1.11221069	0.63119793	1.16942450	0.70458317	0.60520990
Int SD	8423.88000000	28.76370000	221.96500000	12782.2000000	421705	7345.35000000	25091.7000000
RelInt Mean	0.00228257	-0.00042546	0.00007020	---	---	---	2.05778000
RelInt RSD	11.12189330	5.23465135	9.29653746	---	---	---	0.10636706
RelInt SD	0.00025387	0.00002227	0.00000653	---	---	---	0.00218880
Conc Mean	0.02285580[mg/l]	<-0.02971640[mg/l]	<0.00105709[mg/l]	2010860	35961500	1029240	7.11179000[mg/l]
Conc RSD	11.14242337	5.55935443	110.71621149	---	---	---	0.10641118
Conc SD	0.00254669[mg/l]	0.00165204[mg/l]	0.00117037[mg/l]	12763.9000000	421678	7402.26000000	0.00756774[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5784.37000000	20435.4000000	117326	52814.8000000	10988.5000000	80619.5000000	
Int RSD	1.90748517	0.71261145	2.71381450	0.57419511	0.56824680	0.44461204	
Int SD	110.33600000	145.62500000	3184.01000000	303.26000000	62.44180000	358.44400000	
RelInt Mean	-0.00030430	0.00012128	0.05262630	0.02218380	0.00009635	0.03596230	
RelInt RSD	30.83848452	31.70709586	3.06221414	0.80306350	31.54651502	1.06990376	
RelInt SD	0.00009384	0.00003846	0.00161153	0.00017815	0.00003039	0.00038476	
Conc Mean	<-0.00040709[mg/l]	<-0.00227098[mg/l]	0.86978700[mg/l]	0.63656300[mg/l]	<0.00029456[mg/l]	2.95016000[mg/l]	
Conc RSD	55.92547103	33.05590538	3.11078459	0.80871650	40.38376013	1.06474564	
Conc SD	0.00022767[mg/l]	0.00075069[mg/l]	0.02705720[mg/l]	0.00514799[mg/l]	0.00011895[mg/l]	0.03141170[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-015	Client ID: ARCH-C13W-DG-2 TO 2.5-240118-L-DUP-FB
Seqnum: 484027887189	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330938	Time: 19-JAN-2024 20:59
Cal: 484027887001	Caldate: 19-JAN-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	0.1805	9.0	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	2017110	-3.97

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-015,330938					Sample Type: Unknown Sample		
Measure Date: 2024-01-19 20:59:31			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	71031.1000000	15580.0000000	6696.25000000	14132.0000000	17079.5000000	168996	11702.8000000
Int RSD	1.00828792	1.54245186	0.75098899	0.65072601	0.92739834	0.32642962	0.59350070
Int SD	716.19800000	240.31400000	50.28810000	91.96060000	158.39500000	551.65300000	69.45620000
RelInt Mean	0.00004457	0.00130601	-0.00025838	0.00166438	0.00284695	0.16212400	0.00051882
RelInt RSD	4.40718584	4.22289263	6.66665377	3.71777479	3.04236464	0.53236720	9.34201193
RelInt SD	0.00000196	0.00005515	0.00001723	0.00006188	0.00008661	0.00086309	0.00004847
Conc Mean	<0.00014877[mg/l]	0.14659100[mg/l]	<-0.01129850[mg/l]	0.01757050[mg/l]	0.00890348[mg/l]	6.31338000[mg/l]	0.00295245[mg/l]
Conc RSD	56.45125296	5.22600978	8.34439970	4.34860135	3.13439239	0.54450865	9.36198750
Conc SD	0.00008398[mg/l]	0.00766086[mg/l]	0.00094279[mg/l]	0.00076407[mg/l]	0.00027907[mg/l]	0.03437690[mg/l]	0.00027641[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	12143.1000000	111059	11926800	7191.01000000	23114.8000000	315862	7243.42000000
Int RSD	0.63092209	0.92770509	0.42632223	1.71928561	2.62700521	1.01210655	0.76423982
Int SD	76.61350000	1030.30000000	50846.6000000	123.63400000	607.22700000	3196.86000000	55.35710000
RelInt Mean	0.00075813	0.00138630	5.94723000	0.00171574	0.00827015	0.15087900	-0.00017099
RelInt RSD	3.25342127	3.75648128	0.61890325	0.20270437	4.84902934	0.47640096	19.56811098
RelInt SD	0.00002467	0.00005208	0.03680760	0.00000348	0.00040102	0.00071879	0.00003346
Conc Mean	0.00490973[mg/l]	0.04517860[mg/l]	20.94850000[mg/l]	2.20640000[mg/l]	2.95344000[mg/l]	0.10435100[mg/l]	<-0.00143664[mg/l]
Conc RSD	3.29563948	4.11185827	0.61891305	0.23101885	5.16898938	0.47719907	19.55201025
Conc SD	0.00016181[mg/l]	0.00185768[mg/l]	0.12965300[mg/l]	0.00509720[mg/l]	0.15266300[mg/l]	0.00049796[mg/l]	0.00028089[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	51186.0000000	16194.3000000	22309.5000000	8121.42000000	7280.46000000	10888.9000000	24959.7000000
Int RSD	0.82609307	1.04446626	0.74971201	0.50822639	0.43815501	0.38950675	1.32051667
Int SD	422.84400000	169.14400000	167.25700000	41.27520000	31.89970000	42.41300000	329.59700000
RelInt Mean	0.03031500	0.00231228	0.00531720	0.00006743	0.00018204	0.00123334	0.01176480
RelInt RSD	0.85212271	2.81078416	2.43338599	25.77702708	9.53950187	1.65046135	1.00081599
RelInt SD	0.00025832	0.00006499	0.00012939	0.00001738	0.00001737	0.00002036	0.00011774
Conc Mean	4.24212000[mg/l]	0.01873690[mg/l]	0.18048900[mg/l]	<0.00303414[mg/l]	0.01218940[mg/l]	0.02529100[mg/l]	0.01252090[mg/l]
Conc RSD	0.84377623	2.92936932	2.39614603	30.94962658	9.43204752	1.70134040	1.06527486
Conc SD	0.03579400[mg/l]	0.00054887[mg/l]	0.00432478[mg/l]	0.00093905[mg/l]	0.00114971[mg/l]	0.00043029[mg/l]	0.00013338[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	119657	6458.19000000	19996.4000000	2017110	35723600	1012680	1205720
Int RSD	2.87941366	0.17389238	1.31892241	0.93954717	0.97082041	0.26406960	0.88664864
Int SD	3445.42000000	11.23030000	263.73700000	18951.7000000	346812	2674.18000000	10690.5000000
RelInt Mean	0.00127872	-0.00039237	0.00007204	---	---	---	0.59817500
RelInt RSD	6.91313970	1.80665797	2.69620357	---	---	---	0.23525891
RelInt SD	0.00008840	0.00000709	0.00000194	---	---	---	0.00140726
Conc Mean	0.01278560[mg/l]	<-0.02723220[mg/l]	<0.00138682[mg/l]	2003020	35623700	999330	2.06629000[mg/l]
Conc RSD	6.93556814	1.93897298	25.10989169	---	---	---	0.23535709
Conc SD	0.00088675[mg/l]	0.00052803[mg/l]	0.00034823[mg/l]	18924.4000000	346256	2457.68000000	0.00486316[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5945.25000000	20686.4000000	90158.2000000	71041.0000000	10961.1000000	83830.6000000	
Int RSD	2.55733569	1.22052653	2.19300075	0.13185724	0.12758574	0.16694262	
Int SD	152.04000000	252.48300000	1977.17000000	93.67270000	13.98480000	139.94900000	
RelInt Mean	-0.00017373	0.00011829	0.03932830	0.03144740	0.00010900	0.03775550	
RelInt RSD	93.89847289	87.09369267	2.70487156	0.96045778	17.96867976	1.06838739	
RelInt SD	0.00016313	0.00010302	0.00106378	0.00030204	0.00001959	0.00040337	
Conc Mean	<-0.00009031[mg/l]	<-0.00232936[mg/l]	0.64649500[mg/l]	0.90422800[mg/l]	<0.00034556[mg/l]	3.09655000[mg/l]	
Conc RSD	438.21640535	86.33916612	2.76370274	0.96513269	21.19811321	1.06338021	
Conc SD	0.00039576[mg/l]	0.00201115[mg/l]	0.01786720[mg/l]	0.00872700[mg/l]	0.00007325[mg/l]	0.03292810[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-017	Client ID: ARCH-C12W-DG-2.5 TO 3-240118-L-FB
Seqnum: 484027887190	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330938	Time: 19-JAN-2024 21:02
Cal: 484027887001	Caldate: 19-JAN-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	0.3968	20	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	1994820	-5.03

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-017,330938

Sample Type: Unknown Sample

Measure Date: 2024-01-19 21:02:47

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	69896.8000000	18428.4000000	6975.63000000	14274.9000000	20036.5000000	181815	13074.8000000
Int RSD	0.68926188	0.92096438	0.45387155	0.95465467	0.98244703	1.20216704	0.63221617
Int SD	481.77200000	169.71900000	31.66040000	136.27600000	196.84800000	2185.72000000	82.66100000
RelInt Mean	0.00003038	0.00429800	-0.00027041	0.00178117	0.00436771	0.17213000	0.00121953
RelInt RSD	5.93242709	5.67740810	4.92319071	2.87327992	1.45226675	0.27745193	4.62123933
RelInt SD	0.00000180	0.00024402	0.00001331	0.00005118	0.00006343	0.00047758	0.00005636
Conc Mean	<0.00045769[mg/l]	0.56219400[mg/l]	<-0.01196470[mg/l]	0.01901260[mg/l]	0.01380450[mg/l]	6.71208000[mg/l]	0.00692086[mg/l]
Conc RSD	16.83798966	6.02903980	6.09331617	3.32376950	1.47999565	0.28332350	4.68671523
Conc SD	0.00007707[mg/l]	0.03389490[mg/l]	0.00072905[mg/l]	0.00063193[mg/l]	0.00020431[mg/l]	0.01901690[mg/l]	0.00032436[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	14837.4000000	154992	14139500	7075.89000000	23698.4000000	574579	7493.25000000
Int RSD	1.06295577	1.74143827	0.52009972	1.62867145	1.39390423	0.60971076	0.15646749
Int SD	157.71500000	2699.09000000	73539.5000000	115.24300000	330.33300000	3503.27000000	11.72450000
RelInt Mean	0.00214066	0.00267151	7.13129000	0.00166560	0.00879491	0.28322000	-0.00017385
RelInt RSD	4.08547364	2.70585549	1.16626585	5.36049472	3.32502550	0.23223289	1.86744167
RelInt SD	0.00008746	0.00007229	0.08316980	0.00008928	0.00029243	0.00065773	0.00000325
Conc Mean	0.01397940[mg/l]	0.09102240[mg/l]	25.11950000[mg/l]	2.13286000[mg/l]	3.15322000[mg/l]	0.19603300[mg/l]	<-0.00146060[mg/l]
Conc RSD	4.10406741	2.83284115	1.16640857	6.13889332	3.53064486	0.23267817	1.86610982
Conc SD	0.00057372[mg/l]	0.00257852[mg/l]	0.29299600[mg/l]	0.13093400[mg/l]	0.11132900[mg/l]	0.00045613[mg/l]	0.00002726[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	50107.7000000	16897.3000000	34989.8000000	8305.85000000	7494.38000000	11068.9000000	25313.1000000
Int RSD	0.83814464	1.31036911	0.54751099	0.34194092	0.68706150	0.36589905	0.29495676
Int SD	419.97500000	221.41700000	191.57300000	28.40110000	51.49100000	40.50100000	74.66270000
RelInt Mean	0.02910450	0.00271487	0.01179350	0.00005548	0.00019073	0.00106106	0.01207540
RelInt RSD	1.82503393	3.65170340	0.21638106	32.89380009	12.67038573	2.69504081	1.04440433
RelInt SD	0.00053117	0.00009914	0.00002552	0.00001825	0.00002417	0.00002860	0.00012612
Conc Mean	4.07438000[mg/l]	0.02213680[mg/l]	0.39677200[mg/l]	<0.00233508[mg/l]	0.01276440[mg/l]	0.02164840[mg/l]	0.01287280[mg/l]
Conc RSD	1.80648344	3.78214105	0.21348356	42.11174778	12.53368744	2.79258975	1.11041110
Conc SD	0.07360300[mg/l]	0.00083725[mg/l]	0.00084704[mg/l]	0.00098334[mg/l]	0.00159985[mg/l]	0.00060455[mg/l]	0.00014294[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	217943	6653.75000000	20148.3000000	1994820	35280900	1029480	5538400
Int RSD	2.16269850	0.12736186	0.47544656	0.79497398	0.34890550	0.98860590	0.86495739
Int SD	4713.45000000	8.47434000	95.79440000	15858.3000000	123097	10177.5000000	47904.8000000
RelInt Mean	0.00410525	-0.00045825	0.00008412	---	---	---	2.79193000
RelInt RSD	3.09662018	2.42974828	5.28290357	---	---	---	0.27549652
RelInt SD	0.00012712	0.00001113	0.00000444	---	---	---	0.00769167
Conc Mean	0.04114010[mg/l]	<-0.03219920[mg/l]	0.00355286[mg/l]	1980780	35181900	1016290	9.64956000[mg/l]
Conc RSD	3.09972509	2.57953303	22.43080223	---	---	---	0.27541878
Conc SD	0.00127523[mg/l]	0.00083059[mg/l]	0.00079694[mg/l]	15846.1000000	122601	10240.2000000	0.02657670[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5682.26000000	20375.2000000	175574	73048.6000000	10984.1000000	80878.6000000	
Int RSD	2.23344233	0.67349032	2.22057936	0.26122609	0.50908677	0.16985086	
Int SD	126.91000000	137.22500000	3898.76000000	190.82200000	55.91860000	137.37300000	
RelInt Mean	-0.00032558	0.00011350	0.08281320	0.03262550	0.00012345	0.03658160	
RelInt RSD	34.08429161	81.75001322	1.79673047	0.72449464	16.48470661	1.05361985	
RelInt SD	0.00011097	0.00009279	0.00148793	0.00023637	0.00002035	0.00038543	
Conc Mean	<-0.00045873[mg/l]	<-0.00242285[mg/l]	1.37666000[mg/l]	0.93826600[mg/l]	<0.00040263[mg/l]	3.00071000[mg/l]	
Conc RSD	58.69007913	74.76030295	1.81467465	0.72791298	19.23513093	1.04865182	
Conc SD	0.00026923[mg/l]	0.00181133[mg/l]	0.02498190[mg/l]	0.00682976[mg/l]	0.00007745[mg/l]	0.03146700[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-019	Client ID: ARCH-C13W-PS-2.5-240118-L-G
Seqnum: 484027887191	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330938	Time: 19-JAN-2024 21:06
Cal: 484027887001	Caldate: 19-JAN-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	1.073	50	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	1974560	-6.00

U=use

Sample Name: 500180-019,330938				Sample Type: Unknown Sample			
Measure Date: 2024-01-19 21:06:03			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	70646.3000000	23232.8000000	7723.0000000	15922.0000000	30556.5000000	192413	15535.6000000
Int RSD	0.56720734	0.17898101	1.00598731	0.38451388	0.03482401	0.32871168	0.82375319
Int SD	400.71100000	41.58230000	77.69240000	61.22230000	10.64100000	632.48400000	127.97500000
RelInt Mean	0.00002594	0.00912320	-0.00011788	0.00219288	0.00954558	0.18533200	0.00233925
RelInt RSD	33.88520665	1.20251666	5.58760604	2.65821659	0.52001974	0.42644390	1.69745431
RelInt SD	0.00000879	0.00010971	0.00000659	0.00005829	0.00004964	0.00079034	0.00003971
Conc Mean	<-0.00064782[mg/l]	1.23244000[mg/l]	<-0.00362793[mg/l]	0.02409650[mg/l]	0.03048870[mg/l]	7.23810000[mg/l]	0.01325120[mg/l]
Conc RSD	58.00510633	1.23652267	9.93263376	2.98711846	0.52586040	0.43510175	1.86220871
Conc SD	0.00037577[mg/l]	0.01523940[mg/l]	0.00036035[mg/l]	0.00071979[mg/l]	0.00016033[mg/l]	0.03149310[mg/l]	0.00024676[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	18925.3000000	203668	47050400	7310.19000000	25330.5000000	1717500	8105.76000000
Int RSD	0.11306505	2.07261327	1.12637725	0.33628538	0.61567675	0.24771354	0.48318726
Int SD	21.39790000	4221.25000000	529965	24.58310000	155.95400000	4254.48000000	39.16600000
RelInt Mean	0.00394820	0.00407055	23.99800000	0.00192757	0.01071270	0.86855800	-0.00009879
RelInt RSD	0.70347753	3.46918721	0.88182765	4.75373138	1.81597543	0.25317480	13.06237271
RelInt SD	0.00002777	0.00014122	0.21162100	0.00009163	0.00019454	0.00219897	0.00001290
Conc Mean	0.02583710[mg/l]	0.14092700[mg/l]	84.53400000[mg/l]	2.51705000[mg/l]	3.88332000[mg/l]	0.60153800[mg/l]	<-0.00083048[mg/l]
Conc RSD	0.70507139	3.57414122	0.88182506	5.33914702	1.90729067	0.25321260	13.04364579
Conc SD	0.00018217[mg/l]	0.00503693[mg/l]	0.74544200[mg/l]	0.13438900[mg/l]	0.07406620[mg/l]	0.00152317[mg/l]	0.00010833[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	51679.3000000	21676.1000000	74796.7000000	9092.77000000	8068.55000000	12129.6000000	27102.0000000
Int RSD	0.23059910	0.48811364	0.12858254	0.04932028	0.97464352	0.48755524	0.48207881
Int SD	119.17200000	105.80400000	96.17550000	4.48458000	78.63960000	59.13850000	130.65300000
RelInt Mean	0.03113630	0.00496315	0.03209850	0.00032437	0.00024972	0.00128953	0.01395500
RelInt RSD	0.26602583	1.21527054	0.17762170	2.14308220	8.38609825	3.02424139	0.93934790
RelInt SD	0.00008283	0.00006032	0.00005701	0.00000695	0.00002094	0.00003900	0.00013109
Conc Mean	4.35593000[mg/l]	0.04112410[mg/l]	1.07268000[mg/l]	0.01679740[mg/l]	0.01667000[mg/l]	0.02647890[mg/l]	0.01500270[mg/l]
Conc RSD	0.26350515	1.23857787	0.17995581	2.23564361	8.31691662	3.11391334	0.99015511
Conc SD	0.01147810[mg/l]	0.00050935[mg/l]	0.00193035[mg/l]	0.00037553[mg/l]	0.00138643[mg/l]	0.00082453[mg/l]	0.00014855[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	396549	7055.67000000	21939.9000000	1974560	34908300	1014430	4986710
Int RSD	9.78708810	0.71339221	0.32579684	0.24349627	0.59734791	0.25824552	0.44082371
Int SD	38810.6000000	50.33460000	71.47950000	4807.98000000	208524	2619.72000000	21982.6000000
RelInt Mean	0.00927467	-0.00050268	0.00011744	---	---	---	2.54024000
RelInt RSD	12.52055329	2.41066917	2.16490834	---	---	---	0.20250134
RelInt SD	0.00116124	0.00001212	0.00000254	---	---	---	0.00514402
Conc Mean	0.09299740[mg/l]	<-0.03563420[mg/l]	0.00952874[mg/l]	1959800	34808900	1001260	8.77952000[mg/l]
Conc RSD	12.52637171	2.44576558	4.78563798	---	---	---	0.20254980
Conc SD	0.01164920[mg/l]	0.00087153[mg/l]	0.00045601[mg/l]	4828.94000000	208812	2658.93000000	0.01778290[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5795.27000000	20400.1000000	305681	80701.8000000	11392.5000000	83661.4000000	
Int RSD	1.33831901	0.56535507	2.21533887	0.43398784	0.57977441	0.30128112	
Int SD	77.55920000	115.33300000	6771.87000000	350.23600000	66.05080000	252.05600000	
RelInt Mean	-0.00018932	0.00021331	0.14957400	0.03664280	-0.00009270	0.03820950	
RelInt RSD	65.80604268	42.71194704	2.13967000	0.48687054	52.48587376	0.18897107	
RelInt SD	0.00012458	0.00009111	0.00320039	0.00017840	0.00004865	0.00007220	
Conc Mean	<-0.00012814[mg/l]	<-0.00047451[mg/l]	2.49764000[mg/l]	1.05434000[mg/l]	<-0.00044521[mg/l]	3.13361000[mg/l]	
Conc RSD	235.87348410	374.81691601	2.15167919	0.48896466	41.50754807	0.18804095	
Conc SD	0.00030225[mg/l]	0.00177854[mg/l]	0.05374120[mg/l]	0.00515535[mg/l]	0.00018480[mg/l]	0.00589247[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-021	Client ID: ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-L-LA
Seqnum: 484027887192	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330938	Time: 19-JAN-2024 21:09
Cal: 484027887001	Caldate: 19-JAN-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	0.4110	21	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	2011760	-4.23

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-021,330938				Sample Type: Unknown Sample			
Measure Date: 2024-01-19 21:09:18			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	69573.9000000	16984.5000000	7186.55000000	14285.1000000	17425.7000000	224430	11974.2000000
Int RSD	0.60350649	0.28805617	0.13668172	0.39118172	1.15290060	0.97268636	0.63612350
Int SD	419.88300000	48.92490000	9.82270000	55.88070000	200.90100000	2183.00000000	76.17070000
RelInt Mean	0.00003682	0.00278485	-0.00027811	0.00178440	0.00301960	0.21110400	0.00066119
RelInt RSD	21.70886317	8.02650053	8.22460016	2.53561421	2.26115048	0.28078341	8.54169408
RelInt SD	0.00000799	0.00022353	0.00002287	0.00004525	0.00006828	0.00059274	0.00005648
Conc Mean	<0.00018242[mg/l]	0.35200900[mg/l]	<-0.01238210[mg/l]	0.01905250[mg/l]	0.00946214[mg/l]	8.26500000[mg/l]	0.00373783[mg/l]
Conc RSD	187.35514357	8.82039948	10.10805921	2.93257053	2.32829994	0.28570599	8.49950372
Conc SD	0.00034178[mg/l]	0.03104860[mg/l]	0.00125159[mg/l]	0.00055873[mg/l]	0.00022031[mg/l]	0.02361360[mg/l]	0.00031770[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	13352.5000000	166911	10437500	7153.15000000	23896.6000000	348877	7530.10000000
Int RSD	0.23594308	2.01521769	0.89569820	0.87831235	0.46315375	4.09872247	0.19010770
Int SD	31.50430000	3363.62000000	93488.5000000	62.82700000	110.67800000	14299.5000000	14.31530000
RelInt Mean	0.00142304	0.00293532	5.21767000	0.00182681	0.00904987	0.16789200	-0.00024537
RelInt RSD	2.36225264	3.44112397	0.89394883	3.20890514	1.99195127	4.24410335	7.46540980
RelInt SD	0.00003362	0.00010101	0.04664330	0.00005862	0.00018027	0.00712551	0.00001832
Conc Mean	0.00927167[mg/l]	0.10043300[mg/l]	18.37860000[mg/l]	2.36928000[mg/l]	3.25028000[mg/l]	0.11613800[mg/l]	<-0.00206104[mg/l]
Conc RSD	2.37871926	3.58747623	0.89400716	3.62840188	2.11132272	4.25011624	7.46099057
Conc SD	0.00022055[mg/l]	0.00360301[mg/l]	0.16430600[mg/l]	0.08596700[mg/l]	0.06862390[mg/l]	0.00493600[mg/l]	0.00015377[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	64041.5000000	18489.5000000	36040.4000000	8564.17000000	7717.03000000	11656.9000000	27192.1000000
Int RSD	0.20232818	0.52821277	0.65068090	0.36543179	0.69273023	0.31262600	0.26330589
Int SD	129.57400000	97.66390000	234.50800000	31.29620000	53.45820000	36.44250000	71.59840000
RelInt Mean	0.04225270	0.00345932	0.01220780	0.00004433	0.00024184	0.00116937	0.01379050
RelInt RSD	0.96057767	0.21816224	0.66732990	31.68231741	5.27846578	3.91895636	1.35725318
RelInt SD	0.00040587	0.00000755	0.00008147	0.00001405	0.00001277	0.00004583	0.00018717
Conc Mean	5.89635000[mg/l]	0.02842390[mg/l]	0.41103300[mg/l]	<0.00176005[mg/l]	0.01614840[mg/l]	0.02393850[mg/l]	0.01481620[mg/l]
Conc RSD	0.95382737	0.22431053	0.66357446	43.09985512	5.23364544	0.04724189	1.43125768
Conc SD	0.05624100[mg/l]	0.00006376[mg/l]	0.00272751[mg/l]	0.00075858[mg/l]	0.00084515[mg/l]	0.00096885[mg/l]	0.00021206[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	183929	6850.29000000	19811.3000000	2011760	36259600	1044210	10129500
Int RSD	11.55994976	0.79616775	0.77276605	0.03512874	0.49295911	0.89850222	0.56765586
Int SD	21262.1000000	54.53980000	153.09500000	706.70600000	178745	9382.25000000	57500.7000000
RelInt Mean	0.00306547	-0.00048128	0.00007631	---	---	---	5.06631000
RelInt RSD	19.13487981	3.50621260	4.49784755	---	---	---	0.57068952
RelInt SD	0.00058657	0.00001687	0.00000343	---	---	---	0.02891290
Conc Mean	0.03070950[mg/l]	<-0.03388310[mg/l]	<0.00215277[mg/l]	1997620	36161200	1031120	17.51160000[mg/l]
Conc RSD	19.16091112	3.65781171	28.58921297	---	---	---	0.57069086
Conc SD	0.00588422[mg/l]	0.00123938[mg/l]	0.00061546[mg/l]	713.95600000	178525	9278.93000000	0.09993710[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5759.54000000	20254.4000000	123894	70641.0000000	11048.6000000	82682.6000000	
Int RSD	2.72424534	1.63254404	1.94705958	0.72078396	0.42735912	0.51242946	
Int SD	156.90400000	330.66200000	2412.29000000	509.16900000	47.21720000	423.69000000	
RelInt Mean	-0.00026276	0.00012927	0.05626840	0.03098370	0.00015723	0.03704060	
RelInt RSD	52.39481646	150.13537976	2.10624436	0.77756369	4.09589590	0.54564721	
RelInt SD	0.00013767	0.00019407	0.00118515	0.00024092	0.00000644	0.00020211	
Conc Mean	<-0.00030630[mg/l]	<-0.00211513[mg/l]	0.93095300[mg/l]	0.89083000[mg/l]	<0.00053191[mg/l]	3.03818000[mg/l]	
Conc RSD	109.04273901	179.11665004	2.13776635	0.78144876	4.36629913	0.54298955	
Conc SD	0.00033400[mg/l]	0.00378855[mg/l]	0.01990160[mg/l]	0.00696138[mg/l]	0.00002322[mg/l]	0.01649700[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 500180-023	Client ID: ARCH-C13W-INT-2.5 TO 3.5-240118-L-WF
Seqnum: 484027887195	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 330938	Time: 19-JAN-2024 21:19
Cal: 484027887001	Caldate: 19-JAN-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	0.8513	43	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	2100560	1985060	-5.50

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: 500180-023,330938					Sample Type: Unknown Sample		
Measure Date: 2024-01-19 21:19:02			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	70456.7000000	18415.9000000	6737.50000000	13683.4000000	15761.0000000	168045	13683.6000000
Int RSD	0.99687326	1.17514756	0.22627236	0.17281231	0.15522873	0.80239817	0.30386010
Int SD	702.36400000	216.41400000	15.24510000	23.64660000	24.46560000	1348.39000000	41.57900000
RelInt Mean	0.00002647	0.00423870	-0.00024042	0.00142429	0.00213425	0.15990700	0.00147085
RelInt RSD	9.93577489	4.12727959	9.83087648	1.66381846	1.02878294	0.32333857	0.54639698
RelInt SD	0.00000263	0.00017494	0.00002364	0.00002370	0.00002196	0.00051704	0.00000804
Conc Mean	<-0.00062499[mg/l]	0.55395600[mg/l]	<-0.01032290[mg/l]	0.01460560[mg/l]	0.00659096[mg/l]	6.22504000[mg/l]	0.00831441[mg/l]
Conc RSD	17.99263667	4.38675635	12.52845615	2.00360821	1.01523602	0.33083322	0.49363214
Conc SD	0.00011245[mg/l]	0.02430070[mg/l]	0.00129330[mg/l]	0.00029264[mg/l]	0.00006691[mg/l]	0.02059450[mg/l]	0.00004104[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	14848.2000000	151320	13280600	6815.16000000	23170.2000000	549300	8391.27000000
Int RSD	0.47045703	1.86177637	0.79604837	2.35276941	0.15464864	0.43647369	5.38241530
Int SD	69.85440000	2817.24000000	105720	160.34500000	35.83240000	2397.55000000	451.65300000
RelInt Mean	0.00208491	0.00253216	6.73096000	0.00135580	0.00826276	0.27166300	0.00033989
RelInt RSD	1.50202647	3.54196022	0.43291447	6.74562620	1.51010074	0.52092114	68.48193849
RelInt SD	0.00003132	0.00008969	0.02913930	0.00009146	0.00012478	0.00141515	0.00023277
Conc Mean	0.01361370[mg/l]	0.08605170[mg/l]	23.70930000[mg/l]	1.67851000[mg/l]	2.95063000[mg/l]	0.18802700[mg/l]	0.00285215[mg/l]
Conc RSD	1.50912684	3.71785799	0.43292716	7.99065838	1.60971047	0.52140490	68.51042196
Conc SD	0.00020545[mg/l]	0.00319928[mg/l]	0.10264400[mg/l]	0.13412400[mg/l]	0.04749660[mg/l]	0.00098038[mg/l]	0.00195402[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	47291.2000000	18268.3000000	61808.3000000	8313.92000000	7370.45000000	11071.8000000	24590.7000000
Int RSD	0.53250710	0.25041848	0.69908087	0.57120708	0.86404222	1.03888257	0.88897022
Int SD	251.82900000	45.74720000	432.09000000	47.48970000	63.68380000	115.02300000	218.60400000
RelInt Mean	0.02622590	0.00333757	0.02538190	0.00009927	0.00020455	0.00136238	0.01129160
RelInt RSD	1.32235691	1.47560351	0.60066425	15.66433876	3.02256650	4.15612384	2.43425201
RelInt SD	0.00034680	0.00004925	0.00015246	0.00001555	0.00000618	0.00005662	0.00027487
Conc Mean	3.67550000[mg/l]	0.02739570[mg/l]	0.85133200[mg/l]	0.00470392[mg/l]	0.01367950[mg/l]	0.02801900[mg/l]	0.01198470[mg/l]
Conc RSD	1.30753911	1.51842807	0.59811801	17.88825065	2.99215615	4.27238659	2.59850476
Conc SD	0.04805860[mg/l]	0.00041598[mg/l]	0.00509197[mg/l]	0.00084145[mg/l]	0.00040931[mg/l]	0.00119708[mg/l]	0.00031142[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	316678	6560.60000000	20195.9000000	1985060	35523600	1020850	2482530
Int RSD	14.11837892	0.58137670	0.74985517	0.36327315	1.05141934	1.16596954	0.39313040
Int SD	44709.8000000	38.14180000	151.44000000	7211.19000000	373502	11902.8000000	9759.58000000
RelInt Mean	0.00685197	-0.00038488	0.00007957	---	---	---	1.25565000
RelInt RSD	18.96972695	5.99600393	1.37569283	---	---	---	0.07383793
RelInt SD	0.00129980	0.00002308	0.00000109	---	---	---	0.00092715
Conc Mean	0.06869380[mg/l]	<-0.02682800[mg/l]	0.00273486[mg/l]	1970820	35423800	1007470	4.33903000[mg/l]
Conc RSD	18.98133456	6.32354257	7.20102674	---	---	---	0.07366070
Conc SD	0.01303900[mg/l]	0.00169648[mg/l]	0.00019694[mg/l]	7195.58000000	373753	11922.2000000	0.00319616[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5973.62000000	20749.0000000	166295	55854.4000000	11125.8000000	78541.0000000	
Int RSD	1.66571024	0.95801243	5.52954689	0.55742430	0.34437524	0.43377599	
Int SD	99.50320000	198.77800000	9195.36000000	311.34600000	38.31450000	340.69200000	
RelInt Mean	-0.00015344	0.00023557	0.07847810	0.02425820	0.00011712	0.03564230	
RelInt RSD	43.69520731	47.41493855	6.26098236	0.25799400	24.46629213	0.42857223	
RelInt SD	0.00006705	0.00011169	0.00491350	0.00006258	0.00002866	0.00015275	
Conc Mean	<-0.00004110[mg/l]	<-0.00004004[mg/l]	1.30377000[mg/l]	0.69650000[mg/l]	<0.00037273[mg/l]	2.92403000[mg/l]	
Conc RSD	395.78380825	5445.52032108	6.32487325	0.25970280	29.51819835	0.42644569	
Conc SD	0.00016266[mg/l]	0.00218037[mg/l]	0.08246180[mg/l]	0.00180883[mg/l]	0.00011002[mg/l]	0.01246940[mg/l]	

ENTHALPY BLANK USER REPORT FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	Lab ID: QC1121536	
Seqnum: 484027887129.2	Matrix: Wipe	
File: met06_master011	Batch: 330937	Time: 19-JAN-2024 17:44
Cal: 484027887001	Caldate: 19-JAN-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	-0.0008008	ND	0.50	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	2100560	1951560	-7.09

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: BLANK,QC1121536,330937

Sample Type: Unknown Sample

Measure Date: 2024-01-19 17:44:42

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	65509.3000000	13201.9000000	4697.10000000	10345.5000000	10523.9000000	10350.6000000	9756.73000000
Int RSD	0.48798720	2.40572190	1.34101041	0.44261660	0.28130826	3.26889262	0.60153658
Int SD	319.67700000	317.60100000	62.98860000	45.79090000	29.60460000	338.35000000	58.69030000
RelInt Mean	0.00003241	0.00047656	-0.00014240	0.00031001	0.00015009	0.00397433	0.00005342
RelInt RSD	8.01764751	40.90834694	27.74292315	6.36632839	14.06391994	3.62010704	29.77959829
RelInt SD	0.00000260	0.00019495	0.00003951	0.00001974	0.00002111	0.00014388	0.00001591
Conc Mean	<0.00037087[mg/l]	<0.03137540[mg/l]	<-0.00494760[mg/l]	<0.00084597[mg/l]	<0.00015630[mg/l]	<0.01179580[mg/l]	<0.00028274[mg/l]
Conc RSD	29.96109159	86.30901917	43.69775245	28.80806170	37.53056563	48.59907764	31.85925685
Conc SD	0.00011112[mg/l]	0.02707980[mg/l]	0.00216199[mg/l]	0.00024371[mg/l]	0.00005866[mg/l]	0.00573265[mg/l]	0.00009008[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	9819.98000000	61870.1000000	35121.5000000	5316.21000000	14332.6000000	16314.6000000	9470.83000000
Int RSD	0.37383885	0.33277625	19.81700668	2.78267789	2.93272679	1.24371422	13.56670957
Int SD	36.71090000	205.88900000	6960.03000000	147.93300000	420.33600000	202.90700000	1284.88000000
RelInt Mean	0.00011226	0.00013500	0.01160390	0.00038770	0.00038983	0.00213516	0.00165377
RelInt RSD	40.60735633	3.19229031	31.50190884	25.30984408	26.68806083	1.23005770	41.00128797
RelInt SD	0.00004558	0.00000431	0.00365545	0.00009813	0.00010404	0.00002626	0.00067807
Conc Mean	<0.00067274[mg/l]	<0.00054438[mg/l]	0.03980490[mg/l]	<0.25870900[mg/l]	<0.04654410[mg/l]	0.00130584[mg/l]	0.01388190[mg/l]
Conc RSD	44.45167860	28.23938940	32.34928363	55.62543244	85.09413653	1.39344024	41.00476160
Conc SD	0.00029904[mg/l]	0.00015373[mg/l]	0.01287660[mg/l]	0.14390800[mg/l]	0.03960630[mg/l]	0.00001820[mg/l]	0.00569224[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	21550.0000000	10713.2000000	10191.2000000	6953.96000000	5387.50000000	7358.03000000	12572.9000000
Int RSD	2.87022274	0.64375350	0.22928507	0.67299639	1.00808910	1.57482370	2.41125755
Int SD	618.53300000	68.96660000	23.36690000	46.79990000	54.31080000	115.87600000	303.16500000
RelInt Mean	0.00205382	0.00022982	-0.00013600	0.00008487	0.00001467	0.00137153	0.00023342
RelInt RSD	4.50274123	6.35534515	24.79566477	14.34105878	84.54840513	4.58323187	71.42777580
RelInt SD	0.00009248	0.00001461	0.00003372	0.00001217	0.00001240	0.00006286	0.00016673
Conc Mean	0.32594500[mg/l]	0.00114994[mg/l]	<-0.00080081[mg/l]	0.00400143[mg/l]	<0.00110865[mg/l]	0.02821250[mg/l]	<-0.00054558[mg/l]
Conc RSD	3.93161423	10.72664661	141.38185088	16.48328223	74.04428810	4.71071334	34.62742539
Conc SD	0.01281490[mg/l]	0.00012335[mg/l]	0.00113220[mg/l]	0.00065957[mg/l]	0.00082089[mg/l]	0.00132901[mg/l]	0.00018892[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	117122	4865.25000000	18466.0000000	1951560	35306500	1041880	10270.0000000
Int RSD	2.23267191	0.61494271	0.44420503	0.93204411	1.67268916	0.84399835	0.36758033
Int SD	2614.95000000	29.91850000	82.02690000	18189.4000000	590568	8793.45000000	37.75050000
RelInt Mean	0.00136792	-0.00018897	0.00007586	---	---	---	0.00198418
RelInt RSD	6.53539681	10.41255444	0.96042111	---	---	---	0.57481680
RelInt SD	0.00008940	0.00001968	0.00000073	---	---	---	0.00001141
Conc Mean	0.01368050[mg/l]	<-0.01215940[mg/l]	<0.00206537[mg/l]	1938630	35212800	1029380	0.00540548[mg/l]
Conc RSD	6.55535982	11.96531079	6.39159085	---	---	---	0.72691417
Conc SD	0.00089681[mg/l]	0.00145491[mg/l]	0.00013201[mg/l]	18185.8000000	590212	8889.78000000	0.00003929[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5326.58000000	19411.0000000	15955.3000000	7071.14000000	9993.74000000	8320.19000000	
Int RSD	6.47888514	2.45752408	5.71412007	0.51727868	0.80306972	2.72144026	
Int SD	345.10300000	477.03000000	911.70500000	36.57750000	80.25670000	226.42900000	
RelInt Mean	-0.00027024	0.00023358	0.00290009	0.00095996	0.00017606	0.00105544	
RelInt RSD	43.16190293	71.85786150	17.48552631	3.64126727	21.33292816	11.43068294	
RelInt SD	0.00011664	0.00016784	0.00050710	0.00003495	0.00003756	0.00012064	
Conc Mean	<-0.00032445[mg/l]	<-0.00007889[mg/l]	0.03447730[mg/l]	0.02331090[mg/l]	<0.00057606[mg/l]	0.10048700[mg/l]	
Conc RSD	87.21775312	4153.28177546	24.35298008	4.33273705	25.87742901	9.80163603	
Conc SD	0.00028298[mg/l]	0.00327647[mg/l]	0.00839625[mg/l]	0.00101000[mg/l]	0.00014907[mg/l]	0.00984937[mg/l]	

ENTHALPY BLANK USER REPORT FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	Lab ID: QC1121539	
Seqnum: 484027887132.1	Matrix: Wipe	
File: met06_master011	Batch: 330938	Time: 19-JAN-2024 17:54
Cal: 484027887001	Caldate: 19-JAN-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	-0.0002251	ND	0.50	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	2100560	1991720	-5.18

!=warning -=low bias <=opening a=ICSA u=use

Sample Name: BLANK, QC1121539, 330938 Sample Type: Unknown Sample

Measure Date: 2024-01-19 17:54:29 Recalculation Date: State: Measured Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	66976.6000000	13388.5000000	4780.14000000	10543.9000000	11390.3000000	10626.5000000	9844.95000000
Int RSD	0.35682761	0.59501139	0.29007309	0.52984095	0.60263206	2.29544064	0.42326777
Int SD	238.99100000	79.66310000	13.86590000	55.86590000	68.64160000	243.92500000	41.67050000
RelInt Mean	0.00004028	0.00028719	-0.00013049	0.00033793	0.00050544	0.00402093	0.00001136
RelInt RSD	10.82171952	62.07436863	14.47219391	10.41626348	9.23326666	5.99940810	56.67996372
RelInt SD	0.00000436	0.00017827	0.00001889	0.00003520	0.00004667	0.00024123	0.00000644
Conc Mean	<0.00003467[mg/l]	<0.00507134[mg/l]	<-0.00429591[mg/l]	<0.00119085[mg/l]	0.00133902[mg/l]	<0.01365290[mg/l]	<0.00005383[mg/l]
Conc RSD	537.53544141	488.29106311	24.06055993	36.50056682	11.01342773	70.40277157	67.87621848
Conc SD	0.00018636[mg/l]	0.02476290[mg/l]	0.00103362[mg/l]	0.00043467[mg/l]	0.00014747[mg/l]	0.00961202[mg/l]	0.00003654[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	9914.18000000	62728.0000000	32179.3000000	5437.53000000	14591.7000000	25545.6000000	7156.41000000
Int RSD	0.57785717	0.90332547	1.23645325	0.79186873	1.26186805	0.31596752	2.70931934
Int SD	57.28980000	566.63800000	397.88200000	43.05810000	184.12800000	80.71580000	193.89000000
RelInt Mean	0.00010429	0.00013091	0.00981895	0.00025969	0.00037322	0.00671663	0.00043296
RelInt RSD	16.90027807	8.71504198	2.34712469	32.29622898	23.51730883	0.60417054	22.10228244
RelInt SD	0.00001763	0.00001141	0.00023046	0.00008387	0.00008777	0.00004058	0.00009569
Conc Mean	<0.00062047[mg/l]	<0.00039840[mg/l]	0.03351750[mg/l]	<0.07098160[mg/l]	<-0.05286600[mg/l]	0.00447975[mg/l]	0.00363340[mg/l]
Conc RSD	18.63541934	102.14155551	2.42240024	173.28857056	63.20508455	0.62747698	22.10951175
Conc SD	0.00011563[mg/l]	0.00040693[mg/l]	0.00081193[mg/l]	0.12300300[mg/l]	0.03341400[mg/l]	0.00002811[mg/l]	0.00080333[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	20414.7000000	10827.3000000	10341.6000000	7603.59000000	5462.44000000	7510.82000000	12973.2000000
Int RSD	0.85594694	0.18868601	0.37374874	1.51225934	0.76763498	0.21111809	2.32829217
Int SD	174.73900000	20.42960000	38.65160000	114.98600000	41.93160000	15.85670000	302.05400000
RelInt Mean	0.00045163	0.00019249	-0.00011901	0.00037009	0.00001960	0.00139096	0.00034578
RelInt RSD	45.64885260	2.91360295	15.51966658	15.58885676	118.63043756	0.84447432	65.30319506
RelInt SD	0.00020616	0.00000561	0.00001847	0.00005769	0.00002325	0.00001175	0.00022581
Conc Mean	<0.10392800[mg/l]	0.00083476[mg/l]	<-0.00022506[mg/l]	0.01941650[mg/l]	<0.00143515[mg/l]	0.02862340[mg/l]	<-0.00041826[mg/l]
Conc RSD	27.48874221	5.67420219	271.55133343	16.05855844	107.24453890	0.86744412	61.17468166
Conc SD	0.02856850[mg/l]	0.00004737[mg/l]	0.00061115[mg/l]	0.00311801[mg/l]	0.00153912[mg/l]	0.00024829[mg/l]	0.00025587[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	93429.4000000	4925.32000000	18641.8000000	1991720	35547100	1044000	13833.0000000
Int RSD	1.41847213	0.31016259	0.60291388	0.39554004	0.60120516	0.29214559	1.20239283
Int SD	1325.27000000	15.27650000	112.39400000	7878.05000000	213711	3050.00000000	166.32700000
RelInt Mean	0.00065877	-0.00017333	0.00007309	---	---	---	0.00369735
RelInt RSD	5.42658028	6.07271846	8.77387507	---	---	---	2.58325557
RelInt SD	0.00003575	0.00001053	0.00000641	---	---	---	0.00009551
Conc Mean	0.00656666[mg/l]	<-0.01095160[mg/l]	<0.00157313[mg/l]	1978730	35452200	1031150	0.01132750[mg/l]
Conc RSD	5.46114768	7.13739545	73.08931875	---	---	---	2.91487972
Conc SD	0.00035862[mg/l]	0.00078166[mg/l]	0.00114979[mg/l]	7893.99000000	213769	3134.68000000	0.00033018[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5551.99000000	19823.5000000	14934.2000000	7166.30000000	10137.0000000	7636.65000000	
Int RSD	2.19622153	0.80054985	1.02579984	2.22162064	0.93568807	0.75746040	
Int SD	121.93400000	158.69700000	153.19500000	159.20800000	94.85070000	57.84460000	
RelInt Mean	-0.00026663	0.00009042	0.00223968	0.00094622	0.00017598	0.00065678	
RelInt RSD	53.94066684	146.02998703	4.13318867	11.14393180	14.54465899	5.43271851	
RelInt SD	0.000014382	0.00013204	0.00009257	0.00010545	0.00002560	0.00003568	
Conc Mean	<-0.00031570[mg/l]	<-0.00287346[mg/l]	0.02361880[mg/l]	0.02291390[mg/l]	<0.00057339[mg/l]	0.06794130[mg/l]	
Conc RSD	110.52349835	89.70231011	6.50566498	13.29686348	17.48946182	4.28733333	
Conc SD	0.00034893[mg/l]	0.00257756[mg/l]	0.00153656[mg/l]	0.00304683[mg/l]	0.00010028[mg/l]	0.00291287[mg/l]	

ENTHALPY SPIKE USER REPORT FOR 500180 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET06	Inst: MET06
Seqnum: 484027887130.1	Seqnum: 484027887131.1
File: met06_master011	File: met06_master011
IDF: 1.0	IDF: 1.0
Lab ID: QC1121537	Lab ID: QC1121538
Matrix: Wipe	Matrix: Wipe
Batch: 330937	Batch: 330937
Time: 19-JAN-2024 17:47	Time: 19-JAN-2024 17:51
Cal: 484027887001	Cal: 484027887001
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	1.060	53.00	A	106	1.060	52.99	A	106	80-120	0	20	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	2100560	1988850	-5.32

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	2100560	1972090	-6.12

!=warning --low bias <=opening a=ICSA u=use

Sample Name: BS,QC1121537,330937					Sample Type: Unknown Sample		
Measure Date: 2024-01-19 17:47:58			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	441873	21784.4000000	37612.1000000	146958	650504	39934.5000000	378949
Int RSD	2.21106743	1.75423239	0.85688648	0.22166946	0.37882319	1.55730258	0.37915656
Int SD	9770.11000000	382.14900000	322.29300000	325.76100000	2464.26000000	621.90100000	1436.81000000
RelInt Mean	0.01060640	0.00820675	0.01645660	0.06931650	0.32381800	0.03271720	0.18661300
RelInt RSD	3.20514029	4.17341822	0.54648226	0.40954318	0.48527259	2.73675620	0.35852165
RelInt SD	0.00033995	0.00034250	0.00008993	0.00028388	0.00157140	0.00089539	0.00066905
Conc Mean	0.45175700[mg/l]	1.10514000[mg/l]	0.90252000[mg/l]	0.85297000[mg/l]	1.03959000[mg/l]	1.15708000[mg/l]	1.06815000[mg/l]
Conc RSD	3.21768119	4.30478491	0.54493197	0.41092887	0.48573091	3.08354651	0.36168890
Conc SD	0.01453610[mg/l]	0.04757390[mg/l]	0.00491812[mg/l]	0.00350510[mg/l]	0.00504961[mg/l]	0.03567910[mg/l]	0.00386338[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	322645	1018530	612130	12449.4000000	17980.9000000	3088640	243800
Int RSD	0.60477615	2.17268024	0.39540294	2.56973027	1.19419495	0.72791261	0.69541427
Int SD	1951.28000000	22129.4000000	2420.38000000	319.91600000	214.72700000	22482.6000000	1695.42000000
RelInt Mean	0.15813600	0.02710440	0.30320300	0.00702667	0.00345252	1.55685000	0.12013000
RelInt RSD	0.36814198	3.01065510	0.35566601	3.26153071	4.74062424	0.25147252	0.47522351
RelInt SD	0.00058217	0.00081602	0.00107839	0.00022918	0.00016367	0.00391505	0.00057089
Conc Mean	1.03733000[mg/l]	0.96255000[mg/l]	1.06699000[mg/l]	9.99528000[mg/l]	1.11941000[mg/l]	1.07837000[mg/l]	1.00847000[mg/l]
Conc RSD	0.36833216	3.02404031	0.35597428	3.36270720	5.56650378	0.25131077	0.47551043
Conc SD	0.00382082[mg/l]	0.02910790[mg/l]	0.00379821[mg/l]	0.33611200[mg/l]	0.06231200[mg/l]	0.00271006[mg/l]	0.00479538[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	28786.0000000	257452	73320.8000000	41912.7000000	29513.3000000	7378.36000000	1013540
Int RSD	1.27847912	0.50288986	0.32084756	0.58101482	0.13160609	0.44051795	0.84888904
Int SD	368.02300000	1294.70000000	235.24800000	243.51900000	38.84130000	32.50300000	8603.83000000
RelInt Mean	0.00849131	0.12478500	0.03159090	0.01766030	0.01216820	0.00128241	0.97961800
RelInt RSD	2.91779478	0.31413872	0.79808109	0.53940363	0.79055325	0.72723310	1.52662568
RelInt SD	0.00024776	0.00039200	0.00025212	0.00009526	0.00009620	0.00000933	0.01495510
Conc Mean	1.21799000[mg/l]	1.05305000[mg/l]	1.06001000[mg/l]	0.94779400[mg/l]	0.80570100[mg/l]	0.02632830[mg/l]	1.10922000[mg/l]
Conc RSD	2.81862741	0.31475808	0.79693493	0.54088547	0.79037137	0.74887858	1.52768612
Conc SD	0.03433060[mg/l]	0.00331456[mg/l]	0.00844759[mg/l]	0.00512648[mg/l]	0.00636803[mg/l]	0.00019717[mg/l]	0.01694540[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	3549730	32782.8000000	205390	1988850	35412000	1034240	613598
Int RSD	2.34689117	0.62778347	2.31755684	0.49118787	0.77569750	0.93135926	0.38513163
Int SD	83308.3000000	205.80500000	4760.03000000	9768.99000000	274690	9632.49000000	2363.16000000
RelInt Mean	0.09835670	0.01382150	0.00534685	---	---	---	0.30711200
RelInt RSD	3.14373093	0.49234164	3.18033983	---	---	---	0.20794401
RelInt SD	0.00309207	0.00006805	0.00017005	---	---	---	0.00063862
Conc Mean	0.98662200[mg/l]	1.02393000[mg/l]	0.94694200[mg/l]	1975620	35316500	1021250	1.05963000[mg/l]
Conc RSD	3.14356461	0.49010284	3.22031339	---	---	---	0.20820286
Conc SD	0.03101510[mg/l]	0.00501831[mg/l]	0.03049450[mg/l]	9809.90000000	274428	9815.34000000	0.00220618[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	429040	73279.5000000	578224	7592.42000000	508460	7535.16000000	
Int RSD	0.94243660	0.88561194	0.32219175	1.74094689	0.32402549	0.37302459	
Int SD	4043.43000000	648.97200000	1862.99000000	132.18000000	1647.54000000	28.10800000	
RelInt Mean	0.41364400	0.05203300	0.28707100	0.00114828	0.25199500	0.00058061	
RelInt RSD	0.12115998	1.97099917	0.45538908	5.13117010	0.31984087	2.06622345	
RelInt SD	0.00050117	0.00102557	0.00130729	0.00005892	0.00080598	0.00001200	
Conc Mean	1.00387000[mg/l]	1.01111000[mg/l]	4.78367000[mg/l]	0.02875220[mg/l]	0.94968800[mg/l]	0.06172330[mg/l]	
Conc RSD	0.12089613	1.98005163	0.45759845	5.92111212	0.32063162	1.58663422	
Conc SD	0.00121364[mg/l]	0.02002050[mg/l]	0.02189000[mg/l]	0.00170245[mg/l]	0.00304500[mg/l]	0.00097932[mg/l]	

Sample Name: BSD,QC1121538,330937

Sample Type: Unknown Sample

Measure Date: 2024-01-19 17:51:14

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	440988	21590.7000000	37130.9000000	147737	650876	39234.9000000	377211
Int RSD	2.62909648	1.25194181	0.75599029	0.51459485	0.49739121	0.62180100	0.56162201
Int SD	11594.0000000	270.30300000	280.70600000	760.24700000	3237.40000000	243.96300000	2118.50000000
RelInt Mean	0.01061770	0.00827292	0.01633030	0.07026390	0.32677700	0.03238050	0.18730300
RelInt RSD	3.23385479	0.32784071	1.34878110	0.95548212	0.81684451	0.53347231	0.90338115
RelInt SD	0.00034336	0.00002712	0.00022026	0.00067136	0.00266926	0.00017274	0.00169206
Conc Mean	0.45224000[mg/l]	1.11433000[mg/l]	0.89560800[mg/l]	0.86466900[mg/l]	1.04911000[mg/l]	1.14366000[mg/l]	1.07211000[mg/l]
Conc RSD	3.24615249	0.33830104	1.34504158	0.95874491	0.81624520	0.60195688	0.90252306
Conc SD	0.01468040[mg/l]	0.00376979[mg/l]	0.01204630[mg/l]	0.00828997[mg/l]	0.00856331[mg/l]	0.00688434[mg/l]	0.00967604[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	320601	1013910	612490	12292.2000000	17648.1000000	3046400	242478
Int RSD	0.59257769	2.84203726	0.63226175	0.66425457	1.90263541	0.65439863	0.80413481
Int SD	1899.81000000	28815.70000000	3872.54000000	81.65150000	335.77900000	19935.60000000	1949.85000000
RelInt Mean	0.15842400	0.02706120	0.30599300	0.00698238	0.00325014	1.54871000	0.12045400
RelInt RSD	0.86465435	3.20405599	0.93647567	1.53191319	4.90985004	0.23181616	1.09809554
RelInt SD	0.00136982	0.00086706	0.00286555	0.00010696	0.00015958	0.00359016	0.00132270
Conc Mean	1.03923000[mg/l]	0.96101000[mg/l]	1.07681000[mg/l]	9.93032000[mg/l]	1.04236000[mg/l]	1.07272000[mg/l]	1.01118000[mg/l]
Conc RSD	0.86455453	3.21824955	0.93737057	1.57965705	5.82816877	0.23167276	1.09800431
Conc SD	0.00898471[mg/l]	0.03092770[mg/l]	0.01009370[mg/l]	0.15686500[mg/l]	0.06075050[mg/l]	0.00248520[mg/l]	0.01110280[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	28287.7000000	256052	72850.6000000	42051.8000000	29381.3000000	7587.26000000	992259
Int RSD	1.57693627	0.69726852	0.61355843	0.62250843	0.23310984	1.12680994	0.34962545
Int SD	446.07900000	1785.37000000	446.98100000	261.77600000	68.49070000	85.49400000	3469.19000000
RelInt Mean	0.00819550	0.12513800	0.03158550	0.01784690	0.01217650	0.00137321	0.97098800
RelInt RSD	3.28992740	1.10234301	1.15687262	1.18781413	0.10117439	1.84739406	1.20416524
RelInt SD	0.00026963	0.00137945	0.00036540	0.00021199	0.00001232	0.00002537	0.01169230
Conc Mean	1.17701000[mg/l]	1.05603000[mg/l]	1.05983000[mg/l]	0.95786600[mg/l]	0.80625300[mg/l]	0.02824810[mg/l]	1.09944000[mg/l]
Conc RSD	3.17421262	1.10308419	1.15293019	1.19121046	0.10125531	1.89859849	1.20474060
Conc SD	0.03736080[mg/l]	0.01164890[mg/l]	0.01221910[mg/l]	0.01141020[mg/l]	0.00081637[mg/l]	0.00053632[mg/l]	0.01324540[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	3526620	32604.8000000	203096	1972090	35290900	1021350	608690
Int RSD	1.80467133	0.43055624	2.67929944	0.42389039	0.36154929	0.90737064	0.47170645
Int SD	63643.9000000	140.38200000	5441.55000000	8359.50000000	127594	9267.43000000	2871.23000000
RelInt Mean	0.09802090	0.01383490	0.00529696	---	---	---	0.30722100
RelInt RSD	2.03932019	0.95741928	3.09030085	---	---	---	0.76879836
RelInt SD	0.00199896	0.00013246	0.00016369	---	---	---	0.00236191
Conc Mean	0.98325700[mg/l]	1.02492000[mg/l]	0.93799500[mg/l]	1958770	35195400	1008450	1.06001000[mg/l]
Conc RSD	2.03937526	0.95571654	3.12920645	---	---	---	0.76990500
Conc SD	0.02005230[mg/l]	0.00979533[mg/l]	0.02935180[mg/l]	8336.99000000	127533	9284.53000000	0.00816107[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	421225	72483.1000000	582498	7832.85000000	506910	8130.51000000	
Int RSD	1.08993293	0.47745199	0.41904522	1.34501491	0.32866387	0.57370325	
Int SD	4591.07000000	346.07200000	2440.93000000	105.35300000	1666.03000000	46.64500000	
RelInt Mean	0.41114100	0.05197160	0.29168200	0.00124770	0.25335100	0.00085834	
RelInt RSD	0.38196872	0.56920510	0.69628568	4.55906067	0.67591207	2.82498448	
RelInt SD	0.00157043	0.00029582	0.00203094	0.00005688	0.00171243	0.00002425	
Conc Mean	0.99779800[mg/l]	1.00991000[mg/l]	4.86102000[mg/l]	0.03162500[mg/l]	0.95484100[mg/l]	0.08439610[mg/l]	
Conc RSD	0.38207533	0.57171332	0.69650814	5.19705929	0.67448298	2.34548753	
Conc SD	0.00381234[mg/l]	0.00577379[mg/l]	0.03385740[mg/l]	0.00164357[mg/l]	0.00644024[mg/l]	0.00197950[mg/l]	

ENTHALPY SPIKE USER REPORT FOR 500180 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET06	Inst: MET06
Seqnum: 484027887135.1	Seqnum: 484027887136.1
File: met06_master011	File: met06_master011
IDF: 1.0	IDF: 1.0
Lab ID: QC1121540	Lab ID: QC1121541
Matrix: Wipe	Matrix: Wipe
Batch: 330938	Batch: 330938
Time: 19-JAN-2024 18:04	Time: 19-JAN-2024 18:07
Cal: 484027887001	Cal: 484027887001
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	1.031	51.56	A	103	1.096	54.82	A	110	80-120	6	20	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	2100560	1905580	-9.28

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	2100560	1933410	-7.96

!=warning --low bias <=opening a=ICSA u=use

Sample Name: BS,QC1121540,330938

Sample Type: Unknown Sample

Measure Date: 2024-01-19 18:04:14

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	417556	21238.8000000	35275.0000000	140494	617910	37972.7000000	356650
Int RSD	2.62982690	1.33753319	0.34083345	0.65899611	0.68600443	1.09435726	0.55577177
Int SD	10981.0000000	284.07600000	120.22900000	925.85000000	4238.89000000	415.55700000	1982.16000000
RelInt Mean	0.01043170	0.00805307	0.01591710	0.06892620	0.32084400	0.03215790	0.18302500
RelInt RSD	3.08843237	2.62652628	1.22147879	1.33080744	0.97501590	0.74445160	1.00883486
RelInt SD	0.00032218	0.00021152	0.00019442	0.00091727	0.00312828	0.00023940	0.00184642
Conc Mean	0.44428900[mg/l]	1.08379000[mg/l]	0.87301300[mg/l]	0.84815100[mg/l]	1.03006000[mg/l]	1.13479000[mg/l]	1.04761000[mg/l]
Conc RSD	3.10052691	2.71069119	1.21755346	1.33545796	0.97427334	0.84080491	1.01108237
Conc SD	0.01377530[mg/l]	0.02937820[mg/l]	0.01062940[mg/l]	0.01132670[mg/l]	0.01003560[mg/l]	0.00954137[mg/l]	0.01059220[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	304084	960027	587798	11880.3000000	17406.3000000	2880030	230169
Int RSD	0.75930006	2.83361822	0.68842017	2.48699107	1.34496131	1.09700246	0.72425913
Int SD	2308.91000000	27203.5000000	4046.52000000	295.46200000	234.10800000	31594.0000000	1667.02000000
RelInt Mean	0.15528600	0.02675060	0.30370600	0.00684049	0.00309245	1.51513000	0.11817700
RelInt RSD	1.09968703	3.16657196	1.25435783	2.50061034	3.00571715	0.16681605	1.21096322
RelInt SD	0.00170766	0.00084708	0.00380956	0.00017105	0.00009295	0.00252748	0.00143108
Conc Mean	1.01864000[mg/l]	0.94993000[mg/l]	1.06876000[mg/l]	9.72224000[mg/l]	0.98232700[mg/l]	1.04946000[mg/l]	0.99206900[mg/l]
Conc RSD	1.09992735	3.18079227	1.25538942	2.58033128	3.60211009	0.16671812	1.21116576
Conc SD	0.01120430[mg/l]	0.03021530[mg/l]	0.01341710[mg/l]	0.25086600[mg/l]	0.03538450[mg/l]	0.00174964[mg/l]	0.01201560[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	27655.0000000	242324	69110.7000000	39769.9000000	27821.1000000	7339.11000000	947768
Int RSD	1.63772916	0.55518232	0.25268736	0.66358226	0.30470542	0.82681415	0.10067517
Int SD	452.91400000	1345.34000000	174.63400000	263.90600000	84.77240000	60.68080000	954.16700000
RelInt Mean	0.00771928	0.12226600	0.03072620	0.01728640	0.01178260	0.00129394	0.95249700
RelInt RSD	2.76247267	1.15724731	0.67563513	1.31609242	0.66748935	4.13519174	0.47604034
RelInt SD	0.00021324	0.00141492	0.00020760	0.00022751	0.00007865	0.00005351	0.00453427
Conc Mean	1.11101000[mg/l]	1.03177000[mg/l]	1.03110000[mg/l]	0.92769200[mg/l]	0.78017300[mg/l]	0.02657220[mg/l]	1.07848000[mg/l]
Conc RSD	2.65943601	1.15835894	0.67325381	1.31844405	0.66726482	4.25756994	0.47681737
Conc SD	0.02954660[mg/l]	0.01195160[mg/l]	0.00694192[mg/l]	0.01223110[mg/l]	0.00520582[mg/l]	0.00113133[mg/l]	0.00514238[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	3323580	30950.5000000	192001	1905580	33703500	994203	588432
Int RSD	2.21868587	0.51713866	2.86284446	0.93185277	0.62889314	0.49524192	0.62406361
Int SD	73739.8000000	160.05700000	5496.69000000	17757.2000000	211959	4923.71000000	3672.19000000
RelInt Mean	0.09664340	0.01345430	0.00522663	---	---	---	0.30733500
RelInt RSD	2.34234309	0.35399835	3.25159807	---	---	---	0.99018660
RelInt SD	0.00226372	0.00004763	0.00016995	---	---	---	0.00304319
Conc Mean	0.96943900[mg/l]	0.99672200[mg/l]	0.92538800[mg/l]	1892330	33609500	981312	1.06041000[mg/l]
Conc RSD	2.34245785	0.35352786	3.29363467	---	---	---	0.99128639
Conc SD	0.02270870[mg/l]	0.00352369[mg/l]	0.03047890[mg/l]	17759.3000000	212091	4855.04000000	0.01051170[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	403064	69941.8000000	553423	7393.86000000	480936	7554.91000000	
Int RSD	0.96088959	0.69879099	0.60507604	0.72339887	0.68742619	0.26047564	
Int SD	3873.00000000	488.74700000	3348.63000000	53.48710000	3306.08000000	19.67870000	
RelInt Mean	0.40406200	0.05078430	0.28664400	0.00105860	0.24852800	0.00059394	
RelInt RSD	0.49462459	0.19172855	1.28332705	4.44955602	1.16450460	6.35603993	
RelInt SD	0.00199859	0.00009737	0.00367858	0.00004710	0.00289412	0.00003775	
Conc Mean	0.98062100[mg/l]	0.98673200[mg/l]	4.77686000[mg/l]	0.02616120[mg/l]	0.93668100[mg/l]	0.06281130[mg/l]	
Conc RSD	0.49440406	0.19262475	1.28745452	5.20247542	1.16487897	4.90652160	
Conc SD	0.00484823[mg/l]	0.00190069[mg/l]	0.06149990[mg/l]	0.00136103[mg/l]	0.01091120[mg/l]	0.00308185[mg/l]	

Sample Name: BSD,QC1121541,330938

Sample Type: Unknown Sample

Measure Date: 2024-01-19 18:07:31

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	445268	21450.3000000	37808.1000000	150941	663740	39755.9000000	381642
Int RSD	2.60476836	0.90129276	0.33712353	0.79388635	0.79516076	1.25090112	0.68015051
Int SD	11598.2000000	193.33000000	127.46000000	1198.30000000	5277.80000000	497.30700000	2595.74000000
RelInt Mean	0.01103270	0.00835288	0.01702510	0.07341770	0.34008000	0.03299240	0.19342300
RelInt RSD	3.55470556	1.20135809	0.36287775	0.66414366	0.65515467	0.50875353	0.52152536
RelInt SD	0.00039218	0.00010035	0.00006178	0.00048760	0.00222805	0.00016785	0.00100875
Conc Mean	0.46998600[mg/l]	1.12544000[mg/l]	0.93359500[mg/l]	0.90361400[mg/l]	1.09184000[mg/l]	1.16804000[mg/l]	1.10712000[mg/l]
Conc RSD	3.56825522	1.23856447	0.36172216	0.66638299	0.65449700	0.57254974	0.51794656
Conc SD	0.01677030[mg/l]	0.01393930[mg/l]	0.00337702[mg/l]	0.00602153[mg/l]	0.00714606[mg/l]	0.00668761[mg/l]	0.00573429[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	326001	1030480	619789	12439.6000000	17561.0000000	3115500	247076
Int RSD	1.03411339	2.02911265	0.95842295	1.50766906	1.09687945	0.14477484	1.03728003
Int SD	3371.22000000	20909.6000000	5940.20000000	187.54800000	192.62300000	4510.46000000	2562.87000000
RelInt Mean	0.16452500	0.02823100	0.31605600	0.00728676	0.00346733	1.61579000	0.12528300
RelInt RSD	0.91757484	2.80366972	0.81979776	0.49344839	2.05613830	0.15286578	0.89223598
RelInt SD	0.00150964	0.00079150	0.00259102	0.00003596	0.00007129	0.00246999	0.00111782
Conc Mean	1.07924000[mg/l]	1.00274000[mg/l]	1.11226000[mg/l]	10.37670000[mg/l]	1.12505000[mg/l]	1.11920000[mg/l]	1.05173000[mg/l]
Conc RSD	0.91757440	2.81557532	0.82077752	0.50805844	2.41234612	0.15287437	0.89280519
Conc SD	0.00990283[mg/l]	0.02823290[mg/l]	0.00912918[mg/l]	0.05271970[mg/l]	0.02714010[mg/l]	0.00171097[mg/l]	0.00938990[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	27828.3000000	258103	73634.4000000	43929.3000000	29871.7000000	7610.05000000	1026010
Int RSD	1.66033139	0.77720135	0.64881631	0.68080529	0.43232558	0.15154697	0.47273223
Int SD	462.04200000	2005.98000000	477.75200000	299.07300000	129.14300000	11.53280000	4850.28000000
RelInt Mean	0.00799101	0.12876900	0.03268020	0.01923010	0.01269460	0.00142811	1.00066000
RelInt RSD	2.16758582	0.64444004	0.51016518	0.70015757	0.63148819	0.60045865	0.63639898
RelInt SD	0.00017321	0.00082984	0.00016672	0.00013464	0.00008016	0.00000858	0.00636819
Conc Mean	1.14867000[mg/l]	1.08669000[mg/l]	1.09644000[mg/l]	1.03239000[mg/l]	0.84055000[mg/l]	0.02940880[mg/l]	1.13306000[mg/l]
Conc RSD	2.08975598	0.64514351	0.50891066	0.70256008	0.63112962	0.61649574	0.63696627
Conc SD	0.02400440[mg/l]	0.00701071[mg/l]	0.00557990[mg/l]	0.00725316[mg/l]	0.00530496[mg/l]	0.00018130[mg/l]	0.00721721[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	3606810	33208.4000000	205990	1933410	34443600	1025200	613499
Int RSD	1.97477272	0.48933402	2.41531142	0.16731216	1.30836498	1.09395240	0.80314719
Int SD	71226.3000000	162.50000000	4975.30000000	3234.83000000	450648	11215.2000000	4927.30000000
RelInt Mean	0.10282300	0.01443340	0.00552321	---	---	---	0.31592800
RelInt RSD	2.72079204	0.45050439	3.08818604	---	---	---	0.66540161
RelInt SD	0.00279760	0.00006502	0.00017057	---	---	---	0.00210219
Conc Mean	1.03143000[mg/l]	1.06917000[mg/l]	0.97855400[mg/l]	1920240	34350400	1012550	1.09009000[mg/l]
Conc RSD	2.72078571	0.44335513	3.12551990	---	---	---	0.66584869
Conc SD	0.02806300[mg/l]	0.00474022[mg/l]	0.03058490[mg/l]	3232.48000000	450614	11126.7000000	0.00725835[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	441829	74038.2000000	599099	7814.18000000	515367	7313.05000000	
Int RSD	1.03795586	1.09508065	0.97828406	1.48567092	0.82220049	0.31542380	
Int SD	4585.99000000	810.77800000	5860.89000000	116.09300000	4237.35000000	23.06710000	
RelInt Mean	0.43000900	0.05357980	0.30627000	0.00125968	0.26287200	0.00047589	
RelInt RSD	0.10704288	0.14344790	0.82048519	4.66218405	0.68392221	5.17511510	
RelInt SD	0.00046029	0.00007686	0.00251290	0.00005873	0.00179784	0.00002463	
Conc Mean	1.04357000[mg/l]	1.04131000[mg/l]	5.10505000[mg/l]	0.03197110[mg/l]	0.99071400[mg/l]	0.05317400[mg/l]	
Conc RSD	0.10729419	0.14428076	0.82257177	5.30779360	0.68563682	3.78105841	
Conc SD	0.00111969[mg/l]	0.00150241[mg/l]	0.04199270[mg/l]	0.00169696[mg/l]	0.00679270[mg/l]	0.00201054[mg/l]	

Instrument: MET06	Date: 19-JAN-2024 08:47
Calibration #: 484027887001	X Axis: R
Units: mg/L	

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	484027887002	L1	19-JAN-2024 08:50	S19817, S16862 (100X)
L2	met06_master011	484027887003	L2	19-JAN-2024 08:54	S19816, S16862 (100X)
L3	met06_master011	484027887004	L3	19-JAN-2024 08:57	S19815, S16862 (100X)
L4	met06_master011	484027887005	L4	19-JAN-2024 09:00	S19814, S16862 (100X)
L5	met06_master011	484027887006	L5	19-JAN-2024 09:03	S19813, S16862 (100X)
L6	met06_master011	484027887007	L6	19-JAN-2024 09:07	S19710, S16862 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00379	33.4476		0.0238	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	0.0012	0.0192	0.0311	0.0316	0.0299	0.0299

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	18	0.0100	2	0.1000	8	1.0000	6	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	Cal Date: 19-JAN-2024
Calnum: 484027887001	

- ICV 484027887010 (19-JAN-2024) stds: S19811, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.045	mg/l	4	10	

Sample Name: ICALBLK,CALBLANK					Sample Type: Calibration Sample		
Measure Date: 2024-01-19 08:47:27			Recalculation Date:		State: Measured		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	64940.0000000	14507.2000000	4801.22000000	10132.6000000	10196.6000000	11584.2000000	9565.25000000
Int RSD	0.97763320	1.27336771	1.51627503	0.55701893	0.72568503	2.84964866	0.52012232
Int SD	634.87500000	184.73000000	72.79970000	56.44050000	73.99520000	330.10900000	49.75100000
RelInt Mean	0.00004109	0.00024942	-0.00005200	0.00023738	0.00006922	0.00366639	-0.00001587
RelInt RSD	8.05121440	24.06713067	51.26934496	20.59955008	5.65124114	3.75748352	54.49761881
RelInt SD	0.00000331	0.00006003	0.00002666	0.00004890	0.00000391	0.00013776	0.00000865
	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	9505.11000000	61255.2000000	13017.6000000	5744.01000000	16011.7000000	12011.9000000	5992.55000000
Int RSD	0.71634942	0.65116431	0.89777686	3.96943947	0.19956344	0.97474171	0.94601297
Int SD	68.08980000	398.87200000	116.86900000	228.00500000	31.95350000	117.08500000	56.69030000
RelInt Mean	0.00000270	0.00012208	0.00024894	0.00021152	0.00051051	0.00007412	-0.00001093
RelInt RSD	914.90638813	0.08991637	33.95496158	30.38422807	34.76966352	51.34629006	152.85875106
RelInt SD	0.00002469	0.00000011	0.00008453	0.00006427	0.00017750	0.00003806	0.00001670
	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	20779.5000000	10477.0000000	9904.25000000	6653.95000000	5168.92000000	4776.26000000	13942.9000000
Int RSD	1.46945788	0.50440393	0.74684302	0.85473290	1.11740170	1.41249220	1.99863013
Int SD	305.34600000	52.84640000	73.96920000	56.87350000	57.75760000	67.46430000	278.66700000
RelInt Mean	-0.00030270	0.00008621	-0.00011533	0.00000736	-0.00000347	0.00003732	0.00024390
RelInt RSD	69.78067176	40.14680329	22.94507839	39.71788172	498.87133834	35.32032665	23.91199708
RelInt SD	0.00021122	0.00003461	0.00002646	0.00000292	0.00001730	0.00001318	0.00005832
	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	67846.9000000	4678.40000000	17987.5000000	2100560	39704000	1248250	6691.21000000
Int RSD	0.88918285	0.84719348	1.74687422	0.32825485	0.44787931	0.63857320	1.35777983
Int SD	603.28300000	39.63510000	314.21900000	6895.19000000	177826	7970.99000000	90.85190000
RelInt Mean	0.00000474	-0.00003133	0.00006445	---	---	---	0.00021517
RelInt RSD	211.41583045	15.64853236	6.48753990	---	---	---	16.43895842
RelInt SD	0.00001002	0.00000490	0.00000418	---	---	---	0.00003537
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6144.01000000	21017.4000000	11887.0000000	5845.62000000	9644.53000000	6338.00000000	
Int RSD	2.48983970	1.43671434	0.65753680	1.10521211	1.03500533	0.78307037	
Int SD	152.97600000	301.96000000	78.16140000	64.60650000	99.82140000	49.63100000	
RelInt Mean	-0.00016252	0.00023806	0.00082819	0.00015320	0.00003249	-0.00017547	
RelInt RSD	13.24618669	44.72116742	5.29361052	26.52347320	24.52281443	6.83486735	
RelInt SD	0.00002153	0.00010647	0.00004384	0.00004063	0.00000797	0.00001199	

Sample Name: ICAL,L1,S19817

Sample Type: Calibration Sample

Measure Date: 2024-01-19 08:50:44

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	68010.5000000	15044.7000000	5030.05000000	10967.3000000	12737.0000000	12769.2000000	10473.7000000
Int RSD	0.34311026	1.90268334	0.83720440	0.95006063	1.80158593	3.39903831	0.22270258
Int SD	233.35100000	286.25300000	42.11180000	104.19600000	229.46800000	434.03000000	23.32520000
RelInt Mean	0.00004300	0.00025547	0.00000440	0.00048596	0.00115448	0.00447925	0.00029293
RelInt RSD	15.37386883	10.90093476	441.25773463	10.43223722	9.40717899	6.87331585	7.53849042
RelInt SD	0.00000661	0.00002785	0.00001940	0.00005070	0.00010860	0.00030787	0.00002208

	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	10909.5000000	67167.9000000	17800.4000000	6197.60000000	16589.9000000	23774.7000000	7081.54000000
Int RSD	0.17691095	0.11160986	0.49700231	3.90091326	2.12077228	0.51060161	0.57183325
Int SD	19.30010000	74.96600000	88.46840000	241.76300000	351.83400000	121.39400000	40.49460000
RelInt Mean	0.00053945	0.00021693	0.00234371	0.00034655	0.00066838	0.00547237	0.00043303
RelInt RSD	1.57994750	3.52610277	0.81319788	13.78220999	8.96596970	0.74823705	1.50794168
RelInt SD	0.00000852	0.00000765	0.00001906	0.00004776	0.00005993	0.00004095	0.00000653

	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	22192.6000000	11500.7000000	10459.4000000	7223.58000000	5661.28000000	5201.66000000	34809.3000000
Int RSD	1.45064571	0.46742720	0.05432845	0.61644780	1.25215146	0.35595752	0.45092834
Int SD	321.93600000	53.75740000	5.68243000	44.52960000	70.88780000	18.51570000	156.96500000
RelInt Mean	0.00027828	0.00042947	0.00000413	0.00019024	0.00016066	0.00018326	0.01710230
RelInt RSD	40.66479805	5.09653759	381.64297969	14.67364736	25.25532180	2.33545050	1.29634611
RelInt SD	0.00011316	0.00002189	0.00001577	0.00002792	0.00004058	0.00000428	0.00022171

	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	83483.4000000	5121.20000000	19009.2000000	2085130	38428500	1222840	13181.4000000
Int RSD	0.35323789	0.48381434	0.78420975	0.40136682	0.44699897	0.52926303	0.65985024
Int SD	294.89500000	24.77710000	149.07200000	8369.02000000	171775	6472.04000000	86.97750000
RelInt Mean	0.00032693	0.00011835	0.00007454	---	---	---	0.00325837
RelInt RSD	2.72438252	12.30703585	3.50826687	---	---	---	1.30560679
RelInt SD	0.00000891	0.00001457	0.00000262	---	---	---	0.00004254

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6985.53000000	21773.8000000	12356.6000000	5880.53000000	10898.2000000	6458.41000000	
Int RSD	3.49183240	1.85919775	0.83268860	1.42162526	0.79810244	1.05203448	
Int SD	243.92300000	404.81800000	102.89200000	83.59910000	86.97880000	67.94470000	
RelInt Mean	0.00025261	0.00031486	0.00090820	0.00011795	0.00050523	-0.00017632	
RelInt RSD	35.46696119	15.21749349	5.58606877	23.96035575	7.59865804	15.51661165	
RelInt SD	0.00008959	0.00004791	0.00005073	0.00002826	0.00003839	0.00002736	

Sample Name: ICAL,L2,S19816

Sample Type: Calibration Sample

Measure Date: 2024-01-19 08:54:00

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	68382.3000000	15051.4000000	5379.07000000	12109.8000000	17317.0000000	14825.0000000	12068.5000000
Int RSD	0.72481037	0.51151654	0.86269002	1.33684289	0.89753421	0.83177066	1.10358371
Int SD	495.64200000	76.99040000	46.40470000	161.88900000	155.42600000	123.31000000	133.18600000
RelInt Mean	0.00004047	0.00037741	0.00013434	0.00098472	0.00331320	0.00636791	0.00099401
RelInt RSD	22.29520147	17.25123142	17.87009468	7.42992206	2.61315345	0.53239917	3.84552624
RelInt SD	0.0000902	0.00006511	0.00002401	0.00007316	0.00008658	0.00003390	0.00003822
	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	13125.4000000	74789.5000000	26289.3000000	6122.61000000	16551.0000000	45312.1000000	8858.00000000
Int RSD	0.66048654	0.42777529	0.63631972	1.49145217	0.73161138	0.19890051	0.16918943
Int SD	86.69150000	319.93100000	167.28400000	91.31580000	121.08900000	90.12600000	14.98680000
RelInt Mean	0.00153216	0.00040015	0.00643822	0.00037374	0.00075901	0.01599380	0.00127167
RelInt RSD	1.09192904	1.34736321	1.54527960	9.54479659	10.07084209	0.33600395	0.19118482
RelInt SD	0.00001673	0.00000539	0.00009949	0.00003567	0.00007644	0.00005374	0.00000243
	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	22840.3000000	13217.2000000	10994.9000000	8117.34000000	6337.54000000	5986.48000000	73504.2000000
Int RSD	0.52561481	0.62509003	0.47205068	0.33563704	0.71233318	0.46119255	0.62969191
Int SD	120.05200000	82.61940000	51.90150000	27.24480000	45.14440000	27.60920000	462.85000000
RelInt Mean	0.00107596	0.00120205	0.00019160	0.00057370	0.00044765	0.00053338	0.04994030
RelInt RSD	17.38419644	3.08701801	8.43640235	2.78024616	4.09958160	1.44111455	0.99943132
RelInt SD	0.00018705	0.00003711	0.00001616	0.00001595	0.00001835	0.00000769	0.00049912
	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	110121	5785.55000000	19852.5000000	2065500	38423400	1206020	26483.80000000
Int RSD	0.78771079	0.25036513	0.63483692	0.03261065	0.03123539	0.99418749	0.84362516
Int SD	867.43500000	14.48500000	126.03100000	673.57300000	12001.7000000	11990.1000000	223.42400000
RelInt Mean	0.00100858	0.00040838	0.00009005	---	---	---	0.00971098
RelInt RSD	1.39765809	0.45862697	1.96446419	---	---	---	0.94587879
RelInt SD	0.00001410	0.00000187	0.00000177	---	---	---	0.00009185
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	7811.28000000	21957.9000000	12515.2000000	5879.32000000	12836.1000000	6552.72000000	
Int RSD	0.57930070	0.55995792	0.81150920	0.97956566	0.91646217	0.36400151	
Int SD	45.25080000	122.95500000	101.56200000	57.59180000	117.63800000	23.85200000	
RelInt Mean	0.00103323	0.00070207	0.00091234	0.00009763	0.00137848	-0.00017006	
RelInt RSD	4.94789156	15.47748428	8.10781691	34.09215225	3.12233039	8.85031989	
RelInt SD	0.00005112	0.00010866	0.00007397	0.00003328	0.00004304	0.00001505	

Sample Name: ICAL,L3,S19815

Sample Type: Calibration Sample

Measure Date: 2024-01-19 08:57:17

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	69763.9000000	16930.2000000	8712.95000000	27037.6000000	77907.8000000	44358.4000000	29287.3000000
Int RSD	0.33398362	1.61249129	0.84562289	0.60255718	0.30924503	0.75692541	0.44368720
Int SD	233.00000000	272.99800000	73.67870000	162.91700000	240.92600000	335.76000000	129.94400000
RelInt Mean	0.00004630	0.00167771	0.00175812	0.00825932	0.03306970	0.03138380	0.00940068
RelInt RSD	3.11399398	9.32616483	1.25704730	0.67917214	0.80659637	0.80491846	0.19529757
RelInt SD	0.00000144	0.00015647	0.00002210	0.00005609	0.00026674	0.00025261	0.00001836
	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	43641.2000000	167508	139376	7733.25000000	19897.1000000	332776	31054.2000000
Int RSD	0.12187405	0.67028440	0.31445156	2.26730029	1.27780430	0.38958338	0.92124737
Int SD	53.18730000	1122.78000000	438.27000000	175.33600000	254.24600000	1296.44000000	286.08600000
RelInt Mean	0.01646780	0.00279934	0.06203460	0.00161500	0.00340189	0.15750900	0.01213520
RelInt RSD	0.72465053	0.25550808	0.73458038	2.18433437	1.48767303	0.84900545	1.60201727
RelInt SD	0.00011933	0.00000715	0.00045569	0.00003528	0.00005061	0.00133726	0.00019441
	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	39777.7000000	36914.1000000	17072.4000000	18327.0000000	14507.5000000	14367.8000000	590264
Int RSD	0.78332081	0.12740308	1.02956819	0.34292301	0.49044839	0.61592450	0.86183301
Int SD	311.58700000	47.02970000	175.77200000	62.84750000	71.15180000	88.49480000	5087.09000000
RelInt Mean	0.01500770	0.01277230	0.00310713	0.00553673	0.00443327	0.00462458	0.48846800
RelInt RSD	1.19651246	0.44966059	3.85284813	1.01895884	1.74243391	0.97551561	1.41355217
RelInt SD	0.00017957	0.00005743	0.00011971	0.00005642	0.00007725	0.00004511	0.00690475
	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	448362	13612.9000000	29693.2000000	2045010	38266300	1193360	197606
Int RSD	0.94357684	0.54926357	0.87729514	0.47000601	0.74641656	0.53779748	0.16585276
Int SD	4230.64000000	74.77070000	260.49700000	9611.67000000	285626	6417.86000000	327.73500000
RelInt Mean	0.00982817	0.00421366	0.00033836	---	---	---	0.09393860
RelInt RSD	0.34980368	1.35772938	1.14497744	---	---	---	0.64828196
RelInt SD	0.00003438	0.00005721	0.00000387	---	---	---	0.00060899
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22431.9000000	28036.9000000	13000.6000000	6026.26000000	37994.9000000	6612.48000000	
Int RSD	0.72958153	1.88921386	0.78295617	2.42409056	0.44375693	0.50299283	
Int SD	163.65900000	529.67700000	101.78900000	146.08200000	168.60500000	33.26030000	
RelInt Mean	0.01330230	0.00543750	0.00107275	0.00014851	0.01366880	-0.00016595	
RelInt RSD	0.77084414	2.01885057	2.35903985	53.54404724	0.26113704	14.24503176	
RelInt SD	0.00010254	0.00010978	0.00002531	0.00007952	0.00003569	0.00002364	

Sample Name: ICAL,L4,S19814

Sample Type: Calibration Sample

Measure Date: 2024-01-19 09:00:35

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	71504.8000000	33271.6000000	42292.2000000	171375	654865	317516	190851
Int RSD	0.40254780	1.89824355	0.33292664	0.54037870	0.38493430	0.48998791	0.54198825
Int SD	287.84100000	631.57600000	140.80200000	926.07400000	2520.80000000	1555.79000000	1034.39000000
RelInt Mean	0.00003353	0.01520850	0.01841580	0.08035320	0.32182800	0.26655000	0.09006250
RelInt RSD	2.70516590	0.82564355	0.39850455	0.92560222	0.81881937	0.22455412	1.06362804
RelInt SD	0.00000091	0.00012557	0.00007339	0.00074375	0.00263519	0.00059855	0.00095793

	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	330053	1081220	1201180	21778.1000000	48883.7000000	3079170	246926
Int RSD	0.51146937	1.08082536	0.49659335	1.66237183	0.88664729	0.56750358	0.77507026
Int SD	1688.12000000	11686.1000000	5964.98000000	362.03300000	433.42600000	17474.4000000	1913.85000000
RelInt Mean	0.15965600	0.02730890	0.59356400	0.01380710	0.02841280	1.53283000	0.12005800
RelInt RSD	1.00623215	1.22798795	0.19237353	0.49590935	0.33397729	0.16872191	0.97816889
RelInt SD	0.00160651	0.00033535	0.00114186	0.00006847	0.00009489	0.00258622	0.00117437

	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	193930	259235	74599.0000000	116900	99411.0000000	99439.0000000	5512030
Int RSD	0.53537359	0.29804077	0.47980000	0.55918991	0.09686795	0.07422862	1.34484391
Int SD	1038.25000000	772.62600000	357.92600000	653.69300000	96.29740000	73.81220000	74128.2000000
RelInt Mean	0.14764100	0.12383000	0.03160050	0.05473570	0.04680910	0.04709200	4.72489000
RelInt RSD	0.29586700	0.91817815	0.43646461	0.80629461	0.60217351	0.72212690	1.24563112
RelInt SD	0.00043682	0.00113698	0.00013793	0.00044133	0.00028187	0.00034006	0.05885470

	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	3771470	89645.6000000	121339	2013330	37304900	1177470	1872180
Int RSD	1.57107706	0.41725193	1.42293080	0.69341837	0.53358138	0.27812938	0.30499471
Int SD	59252.7000000	374.04800000	1726.57000000	13960.8000000	199052	3274.89000000	5710.05000000
RelInt Mean	0.09918530	0.04220490	0.00279086	---	---	---	0.93241000
RelInt RSD	1.40617612	0.91500750	1.57308500	---	---	---	0.40032389
RelInt SD	0.00139472	0.00038618	0.00004390	---	---	---	0.00373266

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	156215	82095.6000000	15929.1000000	6927.93000000	276528	7158.30000000	
Int RSD	0.28229299	1.08398379	0.66712495	1.96980916	0.58788260	0.25282260	
Int SD	440.98400000	889.90300000	106.26700000	136.46700000	1625.66000000	18.09780000	
RelInt Mean	0.12840900	0.05201760	0.00234472	0.00045303	0.13280600	-0.00003016	
RelInt RSD	0.30375752	0.42528298	2.95675390	14.69673859	0.91714230	66.48892780	
RelInt SD	0.00039005	0.00022122	0.00006933	0.00006658	0.00121802	0.00002005	

Sample Name: ICAL,L5,S19813

Sample Type: Calibration Sample

Measure Date: 2024-01-19 09:03:50

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	74559.0000000	103910	179688	811568	3015970	1442600	886414
Int RSD	0.43367669	0.63069964	0.37707137	0.27328209	0.97409789	0.73233745	0.18585108
Int SD	323.34500000	655.36000000	677.55200000	2217.87000000	29378.5000000	10564.7000000	1647.41000000
RelInt Mean	0.00002626	0.07386240	0.09012790	0.41564300	1.56016000	1.25556000	0.45418200
RelInt RSD	19.52422300	0.34352661	0.64840743	0.55141071	1.09083684	1.18791615	0.47711490
RelInt SD	0.00000513	0.00025374	0.00058440	0.00229190	0.01701880	0.01491500	0.00216697
	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	1477660	4930670	5586230	83357.8000000	166831	14235800	1194410
Int RSD	1.05683987	0.95394946	0.90416435	0.83711182	0.83153611	0.64060186	0.37377199
Int SD	15616.5000000	47036.1000000	50508.7000000	697.79800000	1387.26000000	91194.8000000	4464.37000000
RelInt Mean	0.76085400	0.13744800	2.89383000	0.06772260	0.13145400	7.38684000	0.61630400
RelInt RSD	1.17739146	0.73451051	1.04354782	0.94336455	0.01977878	0.63081507	0.43359933
RelInt SD	0.00895823	0.00100957	0.03019850	0.00063887	0.00002600	0.04659730	0.00267229
	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	849262	1160870	300787	559752	441393	461901	25544500
Int RSD	0.35545215	1.00416067	0.27954499	0.29866084	0.22332547	0.12733508	0.28899254
Int SD	3018.72000000	11657.0000000	840.83500000	1671.76000000	985.74300000	588.16200000	73821.7000000
RelInt Mean	0.72220100	0.59613400	0.14963500	0.28615700	0.22591300	0.23685900	22.34890000
RelInt RSD	0.91384393	1.14937246	0.50790256	0.56763944	0.50364964	0.39810816	1.21640886
RelInt SD	0.00659979	0.00685180	0.00076000	0.00162434	0.00113781	0.00094295	0.27185400
	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	17694100	407118	508200	1939430	35379700	1156670	8962990
Int RSD	1.41357854	0.19237248	1.48064345	0.28821509	0.71299926	0.96617877	0.81360684
Int SD	250120	783.18300000	7524.63000000	5589.73000000	252257	11175.5000000	72923.5000000
RelInt Mean	0.49849500	0.20807100	0.01384800	---	---	---	4.65070000
RelInt RSD	1.32912868	0.47927486	1.79441797	---	---	---	0.91566646
RelInt SD	0.00662564	0.00099723	0.00024849	---	---	---	0.04258490
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	741189	314272	28437.1000000	9983.01000000	1266780	8873.36000000	
Int RSD	1.02809135	1.08966119	0.63486431	0.99414806	0.77322029	0.78927824	
Int SD	7620.10000000	3424.50000000	180.53700000	99.24590000	9795.00000000	70.03550000	
RelInt Mean	0.64180000	0.25462200	0.00862133	0.00167197	0.65123800	0.00051421	
RelInt RSD	0.17711748	0.24381436	0.77255713	2.96925782	0.86274142	8.11656716	
RelInt SD	0.00113674	0.00062081	0.00006660	0.00004965	0.00561850	0.00004174	

Sample Name: ICAL,L6,S19710

Sample Type: Calibration Sample

Measure Date: 2024-01-19 09:07:06

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	77880.6000000	183408	356650	1548050	5925500	2813420	1659450
Int RSD	0.53804542	0.26107040	0.33363522	0.57071089	0.29313982	1.21057645	0.17559854
Int SD	419.03300000	478.82400000	1189.91000000	8834.89000000	17370.0000000	34058.6000000	2913.97000000
RelInt Mean	-0.00000665	0.14334200	0.18324300	0.80472800	3.09759000	2.51356000	0.86230300
RelInt RSD	201.36478218	0.16176975	0.49199478	0.46812712	0.21197027	0.92748134	0.06545541
RelInt SD	0.00001339	0.00023188	0.00090155	0.00376715	0.00656597	0.02331280	0.00056442
	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	2924410	9870630	10794200	158848	310631	27381600	2261720
Int RSD	0.26021454	1.26413410	0.03481592	0.62402863	0.63320467	0.07380686	0.32260802
Int SD	7609.74000000	124778	3758.10000000	991.25700000	1966.93000000	20209.5000000	7296.49000000
RelInt Mean	1.52426000	0.28193400	5.64720000	0.13692000	0.26321200	14.33820000	1.18031000
RelInt RSD	0.16639681	1.38817241	0.12246777	0.23446173	0.29899549	0.22406718	0.22026502
RelInt SD	0.00253632	0.00391373	0.00691600	0.00032103	0.00078699	0.03212720	0.00259981
	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	1634770	2269850	583800	1061510	872357	909097	49047400
Int RSD	1.25902726	0.17159240	0.25762933	0.42805626	0.16436849	0.40514269	1.34843641
Int SD	20582.2000000	3894.89000000	1504.04000000	4543.86000000	1433.88000000	3683.14000000	661373
RelInt Mean	1.44220000	1.18161000	0.29854800	0.55070700	0.45333000	0.47287100	43.94760000
RelInt RSD	0.96139232	0.16546661	0.37377574	0.33606982	0.31095008	0.54795282	1.36058624
RelInt SD	0.01386520	0.00195517	0.00111590	0.00185076	0.00140963	0.00259111	0.59794500
	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	34687800	771530	993145	1923240	34757900	1129850	16237600
Int RSD	2.10373388	0.16756186	1.51576054	0.15281452	0.90176622	0.34790724	0.26632015
Int SD	729739	1292.79000000	15053.7000000	2938.99000000	313435	3930.83000000	43244.0000000
RelInt Mean	0.99688200	0.40021000	0.02802860	---	---	---	8.50187000
RelInt RSD	1.48884221	0.18899353	0.91769122	---	---	---	0.40557430
RelInt SD	0.01484200	0.00075637	0.00025722	---	---	---	0.03448140
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	1374770	597417	41385.8000000	13805.2000000	2548310	10782.1000000	
Int RSD	1.39980506	0.43161309	0.60388829	0.20113870	0.30006789	0.56000223	
Int SD	19244.1000000	2578.53000000	249.92400000	27.76760000	7646.66000000	60.38000000	
RelInt Mean	1.22348000	0.51331100	0.01505780	0.00326355	1.32678000	0.00117268	
RelInt RSD	1.09301337	0.25428834	0.56799400	1.11831901	0.18974434	1.20044684	
RelInt SD	0.01337280	0.00130529	0.00008553	0.00003650	0.00251749	0.00001408	

Sample Name: ICAL,L7,S19712

Sample Type: Calibration Sample

Measure Date: 2024-01-19 09:10:23

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1860430	15254.7000000	5334.31000000	12534.3000000	11426.7000000	11614.4000000	10528.0000000
Int RSD	0.60469891	1.55558615	0.80710345	0.87736850	0.29799942	0.69625723	0.46081782
Int SD	11250.0000000	237.30000000	43.05340000	109.97200000	34.05150000	80.86610000	48.51490000
RelInt Mean	0.04681540	0.00007950	0.00001708	0.00094482	0.00018396	0.00359720	0.00000021
RelInt RSD	0.94810255	156.35436885	133.91524263	7.43324111	13.01517754	2.46567052	8265.86834277
RelInt SD	0.00044386	0.00012430	0.00002288	0.00007023	0.00002394	0.00008870	0.00001748
	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	10562.5000000	68408.9000000	24784.7000000	6376.82000000	16791.5000000	14303.6000000	19542.6000000
Int RSD	0.09056322	0.55722136	7.53706924	1.78344379	0.83866837	1.48650689	17.53374679
Int SD	9.56574000	381.18900000	1868.04000000	113.72700000	140.82500000	212.62400000	3426.55000000
RelInt Mean	0.00004016	0.00014808	0.00533182	0.00032130	0.00055795	0.00053971	0.00631566
RelInt RSD	57.53598972	5.31628422	16.79253988	29.61528406	6.43013840	17.52632427	26.77962398
RelInt SD	0.00002310	0.00000787	0.00089535	0.00009515	0.00003588	0.00009459	0.00169131
	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	22004.5000000	11399.3000000	10845.5000000	8108.70000000	5896.05000000	5786.20000000	15522.8000000
Int RSD	1.07973824	0.34535366	0.38657877	1.35301590	0.88288091	2.57860081	0.41457018
Int SD	237.59100000	39.36790000	41.92640000	109.71200000	52.05510000	149.20300000	64.35290000
RelInt Mean	-0.00036813	0.00003497	-0.00015221	0.00040176	0.00010601	0.00033800	0.00091487
RelInt RSD	26.00764402	82.95619947	38.44252602	12.26022436	21.27917068	26.41791619	12.31851187
RelInt SD	0.00009574	0.00002901	0.00005851	0.00004926	0.00002256	0.00008929	0.00011270
	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	152752	5220.69000000	20040.1000000	2065860	38256900	1170880	8800.03000000
Int RSD	1.69316277	0.47045505	0.85398276	0.33480584	0.58988052	0.50594937	1.95820923
Int SD	2586.34000000	24.56100000	171.13900000	6916.62000000	225670	5924.06000000	172.32300000
RelInt Mean	0.00201994	0.00003095	0.00006651	---	---	---	0.00095121
RelInt RSD	3.25519570	35.17886050	3.66963786	---	---	---	9.26423187
RelInt SD	0.00006575	0.00001089	0.00000244	---	---	---	0.00008812
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6582.76000000	22170.6000000	13543.5000000	6190.00000000	10809.8000000	6797.07000000	
Int RSD	2.18739556	0.44442370	1.29703548	1.75754443	0.19244204	0.09026904	
Int SD	143.99100000	98.53140000	175.66400000	108.79200000	20.80260000	6.13565000	
RelInt Mean	-0.00016980	0.00019234	0.00116169	0.00015047	0.00014451	-0.00014726	
RelInt RSD	43.68497612	5.75314547	9.13806609	37.10824156	25.01546638	12.33325184	
RelInt SD	0.00007418	0.00001107	0.00010616	0.00005584	0.00003615	0.00001816	

Sample Name: ICAL,L8,S19713

Sample Type: Calibration Sample

Measure Date: 2024-01-19 09:13:39

Recalculation Date:

State: Measured

Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	73054.9000000	15536.8000000	5283.11000000	12261.4000000	11366.7000000	11781.8000000	10541.6000000
Int RSD	0.50022380	0.83546161	0.65560437	1.04666678	1.23986733	0.96363883	0.38467785
Int SD	365.43800000	129.80400000	34.63630000	128.33600000	140.93200000	113.53400000	40.55120000
RelInt Mean	0.00005030	0.00023346	-0.00002177	0.00077109	0.00009772	0.00364168	-0.00001411
RelInt RSD	12.72130835	11.86036949	69.78564309	7.29088935	28.95711724	1.66019804	106.25611295
RelInt SD	0.00000640	0.00002769	0.00001519	0.00005622	0.00002830	0.00006046	0.00001499
	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	10567.4000000	68193.3000000	19794.8000000	6402.63000000	16858.8000000	13707.6000000	9096.90000000
Int RSD	0.56441225	0.49903436	1.75606220	0.82644944	0.49271063	0.20365345	2.71639789
Int SD	59.64370000	340.30800000	347.60900000	52.91450000	83.06510000	27.91600000	247.10800000
RelInt Mean	0.00004451	0.00013334	0.00283939	0.00030349	0.00057080	0.00017635	0.00118984
RelInt RSD	86.49822966	3.79801555	3.92432882	11.65217964	21.40104134	26.86033786	9.07827943
RelInt SD	0.00003850	0.00000506	0.00011143	0.00003536	0.00012216	0.00004737	0.00010802
	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	22392.0000000	11404.9000000	10941.4000000	7516.42000000	5788.30000000	5339.71000000	14827.5000000
Int RSD	1.73911665	0.18990785	0.97717842	1.02621328	0.43749460	1.12189239	2.02931040
Int SD	389.42300000	21.65880000	106.91700000	77.13450000	25.32350000	59.90580000	300.89600000
RelInt Mean	-0.00025992	-0.00000993	-0.00019680	0.00009468	0.00004688	0.00009500	0.00014656
RelInt RSD	46.38096008	589.13289230	38.17372039	43.37634574	7.08320447	26.84742287	92.22360960
RelInt SD	0.00012055	0.00005847	0.00007513	0.00004107	0.00000332	0.00002550	0.00013516
	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	129330	5125.70000000	19856.0000000	2105150	38842600	1171060	7976.47000000
Int RSD	2.79241475	0.25392239	0.81678082	0.31374439	0.25540901	0.86657387	0.78462653
Int SD	3611.43000000	13.01530000	162.18000000	6604.79000000	99207.5000000	10148.1000000	62.58550000
RelInt Mean	0.00137402	-0.00004558	0.00006231	---	---	---	0.00051326
RelInt RSD	6.16186810	26.66641803	7.10829201	---	---	---	4.48574897
RelInt SD	0.00008467	0.00001216	0.00000443	---	---	---	0.00002302
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6603.35000000	22544.8000000	1259650	730760	10722.9000000	263164	
Int RSD	1.57252001	1.27731894	0.73780415	0.44070557	0.73323634	0.80099482	
Int SD	103.83900000	287.96900000	9293.75000000	3220.50000000	78.62420000	2107.93000000	
RelInt Mean	-0.00022105	0.00032672	0.59637900	0.34624100	0.00008528	0.12231900	
RelInt RSD	36.06082814	53.02403311	0.62783230	0.67628039	16.81705980	1.10027060	
RelInt SD	0.00007971	0.00017324	0.00374426	0.00234156	0.00001434	0.00134584	

Sample Name: ICV,S19811				Sample Type: Control Sample			
Measure Date: 2024-01-19 09:17:05			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	480001	28469.9000000	42559.4000000	171412	637662	1477890	370351
Int RSD	1.58600086	1.39083734	0.58033948	0.28940914	0.16483184	0.92072482	0.06855713
Int SD	7612.82000000	395.97000000	246.98900000	496.08200000	1051.07000000	13607.3000000	253.90200000
RelInt Mean	0.01130350	0.00767191	0.01869350	0.08123600	0.31715900	1.29300000	0.18194800
RelInt RSD	2.06792586	4.90656173	0.33391981	0.74189645	0.37583042	1.05512761	0.39293315
RelInt SD	0.00023375	0.00037643	0.00006242	0.00060269	0.00119198	0.01364280	0.00071493
Conc Mean	0.48156400[mg/l]	1.03085000[mg/l]	1.02496000[mg/l]	1.00016000[mg/l]	1.01816000[mg/l]	51.37400000[mg/l]	1.04140000[mg/l]
Conc RSD	2.07543338	5.07254208	0.33317495	0.74413994	0.37411900	1.05834858	0.39091127
Conc SD	0.00999454[mg/l]	0.05229030[mg/l]	0.00341491[mg/l]	0.00744259[mg/l]	0.00380913[mg/l]	0.54371600[mg/l]	0.00407095[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	314503	1053650	592638	52055.9000000	169258	2950040	241588
Int RSD	0.25133528	1.02362265	0.32604558	0.67298808	0.17576776	0.62474407	0.49133235
Int SD	790.45700000	10785.4000000	1932.27000000	350.33000000	297.50100000	18430.2000000	1187.00000000
RelInt Mean	0.15363200	0.02734060	0.29290500	0.04049530	0.13415800	1.48731000	0.11888900
RelInt RSD	0.61797607	1.26908334	0.70643724	0.68178529	0.28517569	0.23948740	0.92760474
RelInt SD	0.00094941	0.00034697	0.00206919	0.00027609	0.00038259	0.00356192	0.00110282
Conc Mean	1.00778000[mg/l]	0.97097500[mg/l]	1.03071000[mg/l]	59.07960000[mg/l]	50.87830000[mg/l]	1.03019000[mg/l]	0.99804600[mg/l]
Conc RSD	0.61785707	1.27472901	0.70719019	0.68536009	0.28655635	0.23946359	0.92722480
Conc SD	0.00622664[mg/l]	0.01237730[mg/l]	0.00728908[mg/l]	0.40490800[mg/l]	0.14579500[mg/l]	0.00246693[mg/l]	0.00925413[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	443612	253246	73151.3000000	46205.0000000	36781.6000000	477510	1073190
Int RSD	0.22644112	0.11334513	0.38160497	0.59292501	0.41512332	0.10693787	1.06706175
Int SD	1004.52000000	287.04200000	279.14900000	273.96100000	152.68900000	510.63900000	11451.6000000
RelInt Mean	0.36979000	0.12222400	0.03113450	0.01954200	0.01565610	0.23914300	0.93154900
RelInt RSD	0.24831174	0.49957701	0.39112881	0.94027735	0.59600731	0.44766520	1.21215309
RelInt SD	0.00091823	0.00061060	0.00012178	0.00018375	0.00009331	0.00107056	0.01129180
Conc Mean	51.28360000[mg/l]	1.03142000[mg/l]	1.04477000[mg/l]	1.04966000[mg/l]	1.03661000[mg/l]	5.05535000[mg/l]	1.05475000[mg/l]
Conc RSD	1.94462223	0.50028504	0.39015190	0.94506126	0.59640849	0.44768809	1.21293197
Conc SD	0.12725300[mg/l]	0.00516004[mg/l]	0.00407619[mg/l]	0.00991993[mg/l]	0.00618243[mg/l]	0.02263220[mg/l]	0.01279340[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	3662540	33706.6000000	217221	1987810	36249700	1151010	631696
Int RSD	1.75230032	0.20908131	1.75647382	0.41509098	0.15740985	0.14138018	0.12711811
Int SD	64178.7000000	70.47420000	3815.43000000	8251.22000000	57060.6000000	1627.30000000	803.00000000
RelInt Mean	0.09906030	0.01424000	0.00550585	---	---	---	0.31627400
RelInt RSD	1.94455296	0.56722402	2.11079125	---	---	---	0.54113838
RelInt SD	0.00192628	0.00008077	0.00011622	---	---	---	0.00171148
Conc Mean	0.99368400[mg/l]	1.05503000[mg/l]	0.97546200[mg/l]	1973990	36146600	1136240	1.09132000[mg/l]
Conc RSD	1.94462223	0.56292143	2.13628004	---	---	---	0.54170729
Conc SD	0.01932340[mg/l]	0.00593899[mg/l]	0.02083860[mg/l]	8245.47000000	57159.1000000	1585.57000000	0.00591176[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	479858	81720.0000000	679702	373523	542366	138679	
Int RSD	0.18938228	0.65525208	0.31986370	0.01603872	0.07554271	0.77802695	
Int SD	908.76600000	535.47200000	2174.12000000	59.90830000	409.71800000	1078.96000000	
RelInt Mean	0.41562100	0.05240210	0.33811900	0.18592600	0.26889100	0.06646830	
RelInt RSD	0.07870873	0.79167629	0.65115536	0.44054140	0.42070579	0.46431607	
RelInt SD	0.00032713	0.00041486	0.00220168	0.00081908	0.00113124	0.00030862	
Conc Mean	1.00866000[mg/l]	1.01831000[mg/l]	5.64105000[mg/l]	5.36780000[mg/l]	1.01314000[mg/l]	5.44056000[mg/l]	
Conc RSD	0.07873059	0.79546700	0.65194423	0.44072618	0.42228912	0.46315085	
Conc SD	0.00079412[mg/l]	0.00810032[mg/l]	0.03677650[mg/l]	0.02365730[mg/l]	0.00427838[mg/l]	0.02519800[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887012	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 09:23
Caldate: 19-JAN-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	39704000	38187900	-3.82
Yttrium	A	2100560	2086170	-0.69
Yttrium	R	1248250	1170120	-6.26

Sample Name: ICB,1 Sample Type: Control Sample

Measure Date: 2024-01-19 09:23:34 Recalculation Date: State: Checked Quality:

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	71436.4000000	15018.9000000	5210.3500000	11191.0000000	11041.5000000	11438.6000000	10388.7000000
Int RSD	0.67304343	3.66901038	0.58547698	0.46783487	0.08815487	3.26540835	0.44659582
Int SD	480.79800000	551.04500000	30.50540000	52.35540000	9.73362000	373.51700000	46.39550000
RelInt Mean	0.00003907	0.00010811	-0.00002081	0.00032237	0.00003401	0.00347294	-0.00002535
RelInt RSD	10.82056585	96.76795708	55.42085309	8.35547683	101.24615905	3.60345989	138.92922926
RelInt SD	0.00000423	0.00010461	0.00001153	0.00002694	0.00003443	0.00012515	0.00003522
Conc Mean	<0.00008618[mg/l]	<0.01980460[mg/l]	<0.00170700[mg/l]	<0.00099861[mg/l]	<0.00017558[mg/l]	<0.00818232[mg/l]	<0.00014739[mg/l]
Conc RSD	209.75675415	73.37184291	36.97264206	33.30686307	62.81437944	60.94347324	136.95873421
Conc SD	0.00018077[mg/l]	0.01453100[mg/l]	0.00063112[mg/l]	0.00033260[mg/l]	0.00011029[mg/l]	0.00498659[mg/l]	0.00020186[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	10411.0000000	66880.3000000	14792.1000000	6062.4000000	16539.0000000	13123.8000000	7086.1000000
Int RSD	0.41187974	0.74712883	0.60719370	4.12049683	2.77365016	1.18208141	0.77074978
Int SD	42.88080000	499.68200000	89.81670000	249.80100000	458.73400000	155.13400000	54.61610000
RelInt Mean	0.00001078	0.00013126	0.00054655	0.00017798	0.00046067	0.00005818	0.00028116
RelInt RSD	241.69804322	3.07217846	6.86827603	22.32240483	16.93377529	69.76035502	9.71066194
RelInt SD	0.00002606	0.00000403	0.00003754	0.00003973	0.00007801	0.00004059	0.00002730
Conc Mean	<0.00000705[mg/l]	<0.00041092[mg/l]	0.00085465[mg/l]	<0.04886170[mg/l]	<0.01957260[mg/l]	<0.00013303[mg/l]	0.00235909[mg/l]
Conc RSD	2425.24869817	35.00251874	15.47219970	119.24472542	151.73099128	21.13649348	9.71544112
Conc SD	0.00017097[mg/l]	0.00014383[mg/l]	0.00013223[mg/l]	0.05826500[mg/l]	0.02969770[mg/l]	0.00002812[mg/l]	0.00022920[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	21710.1000000	11338.5000000	10745.4000000	7220.4400000	5600.5100000	5246.3400000	14526.3000000
Int RSD	0.93573959	0.50184151	0.56491708	0.25263419	0.60742325	1.20518304	2.40997363
Int SD	203.15000000	56.90130000	60.70260000	18.24130000	34.01880000	63.22800000	350.08000000
RelInt Mean	-0.00041154	0.00008294	-0.00012872	-0.00000048	-0.00001135	0.00007428	0.00016736
RelInt RSD	77.81090538	32.57786748	10.87261879	2517.87759522	168.12980629	41.81012837	57.58684975
RelInt SD	0.00032022	0.00002702	0.00001399	0.00001209	0.00001909	0.00003106	0.00009638
Conc Mean	<0.01568290[mg/l]	<0.00009044[mg/l]	<0.00054135[mg/l]	<0.00060752[mg/l]	<0.00061381[mg/l]	<0.00078510[mg/l]	<0.00062044[mg/l]
Conc RSD	282.94320566	252.30416785	86.96303521	107.46317792	205.85983193	83.63147021	17.60149314
Conc SD	0.04437370[mg/l]	0.00022820[mg/l]	0.00047078[mg/l]	0.00065286[mg/l]	0.00126358[mg/l]	0.00065659[mg/l]	0.00010921[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	79242.2000000	5062.73000000	19824.0000000	2086170	38187900	1170120	7267.50000000
Int RSD	0.43691997	0.45829424	1.89136905	0.30029048	0.33594411	0.69850870	0.48218645
Int SD	346.22500000	23.20220000	374.94500000	6264.57000000	128290	8173.39000000	35.04290000
RelInt Mean	0.00012224	-0.00003280	0.00006829	---	---	---	0.00021754
RelInt RSD	3.73923429	59.85926658	2.25426501	---	---	---	10.90635372
RelInt SD	0.00000457	0.00001963	0.00000154	---	---	---	0.00002373
Conc Mean	0.00118440[mg/l]	<0.00049140[mg/l]	<0.00071379[mg/l]	2072830	38086000	1155490	<0.00070102[mg/l]
Conc RSD	3.87144546	297.04864255	38.69179461	---	---	---	11.69802789
Conc SD	0.00004585[mg/l]	0.00145970[mg/l]	0.00027618[mg/l]	6314.47000000	128102	7767.94000000	0.00008201[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6288.43000000	21981.6000000	12814.8000000	6112.5000000	10551.2000000	6691.16000000	
Int RSD	6.04825052	2.43116971	1.19366670	2.09287526	0.10633956	0.88248973	
Int SD	380.34000000	534.41000000	152.96600000	127.92700000	11.22010000	59.04880000	
RelInt Mean	-0.00035607	0.00024227	0.00084792	0.00012543	0.00006205	-0.00016953	
RelInt RSD	31.72127718	29.70540645	9.34020030	49.83967409	21.64313930	20.35609376	
RelInt SD	0.00011295	0.00007197	0.00007920	0.00006251	0.00001343	0.00003451	
Conc Mean	<0.00053268[mg/l]	<0.00009078[mg/l]	<0.00027829[mg/l]	<0.00080222[mg/l]	<0.00012066[mg/l]	<0.00048419[mg/l]	
Conc RSD	51.44231852	1547.51531962	476.72007676	225.16641320	40.81927811	581.85869951	
Conc SD	0.00027403[mg/l]	0.00140487[mg/l]	0.00132665[mg/l]	0.00180633[mg/l]	0.00004925[mg/l]	0.00281729[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887013	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 09:26
Caldate: 19-JAN-2024	

Standards: S19643, S16862 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01066]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.8	mg/l	91	
Aluminum	R	400.0	385.0	mg/l	96	
Calcium	R	400.0	395.3	mg/l	99	
Magnesium	R	400.0	389.6	mg/l	97	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	34028800	-14.29
Yttrium	A	2100560	1841990	-12.31
Yttrium	R	1248250	1122370	-10.08

--low bias a=ICSA

Sample Name: ICSA,S19643				Sample Type: Control Sample			
Measure Date: 2024-01-19 09:26:49			Recalculation Date:		State: Checked		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	70885.6000000	3114300	13822.1000000	15667.7000000	15550.5000000	11012600	12835.1000000
Int RSD	0.39060966	0.40759721	0.34593586	0.31824071	1.01311212	0.11351089	0.54335066
Int SD	276.88600000	12693.8000000	47.81560000	49.86100000	157.54400000	12500.5000000	69.73960000
RelInt Mean	0.00000671	2.77177000	-0.00002196	0.00087744	0.00148673	9.92427000	0.00030823
RelInt RSD	127.93480140	1.53780436	153.66322386	5.51721033	5.17191420	1.20165010	20.35658668
RelInt SD	0.00000858	0.04262440	0.00003374	0.00004841	0.00007689	0.11925500	0.00006274
Conc Mean	<-0.00146995[mg/l]	>384.97800000[mg/l]	<0.00164685[mg/l]	0.00785288[mg/l]	0.00451617[mg/l]	>395.29200000[mg/l]	0.00176170[mg/l]
Conc RSD	24.96377428	1.53800477	112.15593406	7.61240462	5.57259802	1.20185078	20.40722030
Conc SD	0.00036695[mg/l]	5.92098000[mg/l]	0.00184704[mg/l]	0.00059779[mg/l]	0.00025167[mg/l]	4.75082000[mg/l]	0.00035951[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	12590.2000000	70706.5000000	75629400	5737.59000000	1155380	28380.2000000	20666.4000000
Int RSD	1.27351432	0.30603268	0.64676832	1.81389747	0.27714172	0.37533562	0.92215383
Int SD	160.33800000	216.38500000	489147	104.07400000	3202.04000000	106.52100000	190.57600000
RelInt Mean	-0.00044690	0.00018663	41.40160000	0.00034112	1.02402000	0.00490640	-0.00004848
RelInt RSD	20.57753671	3.47188362	0.92266724	20.49088010	1.16616863	1.38586132	259.58958218
RelInt SD	0.00009196	0.00000648	0.38199900	0.00006990	0.01194180	0.00006800	0.00012585
Conc Mean	<-0.00299541[mg/l]	0.00238623[mg/l]	>145.83900000[mg/l]	<0.19040600[mg/l]	>389.64400000[mg/l]	0.00322567[mg/l]	<-0.00040818[mg/l]
Conc RSD	20.14001422	9.68615766	0.92266129	53.83863954	1.16664442	1.46032607	258.83670110
Conc SD	0.00060328[mg/l]	0.00023113[mg/l]	1.34560000[mg/l]	0.10251200[mg/l]	4.54576000[mg/l]	0.00004711[mg/l]	0.00105653[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	21353.5000000	13219.2000000	28511.9000000	23266.3000000	16789.4000000	13589.2000000	16227.5000000
Int RSD	1.14830824	0.55968515	0.31346315	0.54940837	0.52545654	0.73682042	0.21133754
Int SD	245.20400000	73.98590000	89.37430000	127.82700000	88.22100000	100.12800000	34.29480000
RelInt Mean	0.00064941	-0.00001722	0.00289239	-0.00006216	0.00010870	-0.00004629	0.00238977
RelInt RSD	16.05074768	261.41231127	1.77485747	51.27454782	20.96948398	95.08507310	5.88696820
RelInt SD	0.00010423	0.00004502	0.00005134	0.00003187	0.00002279	0.00004401	0.00014069
Conc Mean	0.13133400[mg/l]	<-0.00093634[mg/l]	<-0.01065880[mg/l]	<-0.00392338[mg/l]	0.00733380[mg/l]	<-0.00176400[mg/l]	0.00189782[mg/l]
Conc RSD	10.99791372	40.60129739	29.43971179	43.85325918	20.57569064	52.75436508	8.39963748
Conc SD	0.01444400[mg/l]	0.00038017[mg/l]	0.00313792[mg/l]	0.00172053[mg/l]	0.00150898[mg/l]	0.00093059[mg/l]	0.00015941[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	89724.4000000	13968.0000000	23132.6000000	1841990	34028800	1122370	23630.9000000
Int RSD	0.60733758	0.40956830	0.89561052	0.31879163	0.26781667	1.21198001	0.15644939
Int SD	544.93000000	57.20850000	207.17800000	5872.11000000	91134.8000000	13602.9000000	36.97040000
RelInt Mean	0.00031554	-0.00004241	0.00006280	---	---	---	0.00089013
RelInt RSD	4.39564688	16.39607863	12.30129474	---	---	---	2.85440008
RelInt SD	0.00001387	0.00000695	0.00000773	---	---	---	0.00002541
Conc Mean	0.00312353[mg/l]	<-0.00120341[mg/l]	<-0.00027035[mg/l]	1826210	33910800	1108060	0.00162547[mg/l]
Conc RSD	4.45463946	42.90624143	512.28948819	---	---	---	5.38463952
Conc SD	0.00013914[mg/l]	0.00051634[mg/l]	0.00138499[mg/l]	5806.76000000	91510.1000000	13514.9000000	0.00008753[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6101.16000000	20235.9000000	17143.1000000	11995.4000000	12761.3000000	16086.5000000	
Int RSD	0.64998295	1.39751630	1.04020860	1.00813645	0.37726329	0.73975072	
Int SD	39.65650000	282.80000000	178.32400000	120.93000000	48.14370000	119.00000000	
RelInt Mean	-0.00025163	0.00003310	0.00125478	0.00019564	-0.00056568	0.00102773	
RelInt RSD	10.07753448	492.83935995	9.57984667	43.21539382	4.00591499	3.02398490	
RelInt SD	0.00002536	0.00016312	0.00012021	0.00008455	0.00002266	0.00003108	
Conc Mean	<-0.00027931[mg/l]	<-0.00399245[mg/l]	0.00717209[mg/l]	<0.00122632[mg/l]	<-0.00225328[mg/l]	0.09822440[mg/l]	
Conc RSD	22.02614987	79.75729189	27.98305654	199.20493835	4.10163406	2.58269839	
Conc SD	0.00006152[mg/l]	0.00318427[mg/l]	0.00200697[mg/l]	0.00244289[mg/l]	0.00009242[mg/l]	0.00253684[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887014	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 09:30
Caldate: 19-JAN-2024	

Standards: S19644, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.026	mg/l	3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	34053500	-14.23
Yttrium	A	2100560	1832540	-12.76
Yttrium	R	1248250	1110890	-11.00

Sample Name: ICSAB,S19644				Sample Type: Control Sample			
Measure Date: 2024-01-19 09:30:05			Recalculation Date:		State: Checked		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	899099	3117470	13928.2000000	15903.2000000	311947	11055300	170765
Int RSD	1.48410798	0.99284676	0.65929697	0.22368203	0.19421504	0.69470390	0.26420402
Int SD	13343.6000000	30951.7000000	91.82820000	35.57260000	605.84800000	76801.6000000	451.16800000
RelInt Mean	0.02434650	2.80342000	-0.00006603	0.00094742	0.16452500	10.06580000	0.08705230
RelInt RSD	1.20051753	0.47591513	94.56545938	4.71713707	0.29924328	0.24469689	0.35966999
RelInt SD	0.00029228	0.01334190	0.00006244	0.00004469	0.00049233	0.02463070	0.00031310
Conc Mean	1.03926000[mg/l]	>389.37500000[mg/l]	<-0.00121004[mg/l]	0.00871705[mg/l]	0.52993700[mg/l]	>400.93300000[mg/l]	0.49906400[mg/l]
Conc RSD	1.20227854	0.47613483	282.38322700	6.33089176	0.29925067	0.24476509	0.35962722
Conc SD	0.01249480[mg/l]	1.85395000[mg/l]	0.00341695[mg/l]	0.00055187[mg/l]	0.00158584[mg/l]	0.98134400[mg/l]	0.00179477[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	152365	571188	75442100	5677.91000000	1156360	1403030	20627.1000000
Int RSD	0.15257310	1.43825325	0.83960150	2.54468634	0.75665277	0.12772998	0.21011970
Int SD	232.46800000	8215.13000000	633413	144.48500000	8749.63000000	1792.09000000	43.34160000
RelInt Mean	0.07636730	0.01488550	41.51540000	0.00026483	1.03548000	0.76155600	-0.00016859
RelInt RSD	0.04805787	1.21021800	0.72324005	53.34634817	0.14625198	0.21979999	31.24369758
RelInt SD	0.00003670	0.00018015	0.30025600	0.00014128	0.00151441	0.00167390	0.00005267
Conc Mean	0.50091700[mg/l]	0.52669800[mg/l]	>146.24000000[mg/l]	<0.07851290[mg/l]	>394.00500000[mg/l]	0.52741000[mg/l]	<-0.00141643[mg/l]
Conc RSD	0.04804509	1.21977680	0.72314004	263.89293989	0.14613114	0.21987638	31.21742691
Conc SD	0.00024067[mg/l]	0.00642454[mg/l]	1.05752000[mg/l]	0.20719000[mg/l]	0.57576400[mg/l]	0.00115965[mg/l]	0.00044217[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	21821.3000000	231076	84996.8000000	23461.3000000	17042.2000000	13629.3000000	16264.0000000
Int RSD	0.47608529	0.44830272	0.42768316	0.76875962	0.67672014	1.01587756	1.35569356
Int SD	103.88800000	1035.92000000	363.51700000	180.36100000	115.32800000	138.45700000	220.49000000
RelInt Mean	0.00106961	0.11970300	0.03391780	0.00001185	0.00025206	-0.00007498	0.00239935
RelInt RSD	9.10161648	0.58251840	0.31408877	488.96979413	29.81357835	107.68365922	6.95034072
RelInt SD	0.00009735	0.00069729	0.00010653	0.00005795	0.00007515	0.00008074	0.00016676
Conc Mean	0.18956200[mg/l]	1.01013000[mg/l]	1.02583000[mg/l]	<-0.00287946[mg/l]	0.01682490[mg/l]	<-0.00237059[mg/l]	0.00190867[mg/l]
Conc RSD	7.11629968	0.58293883	0.36453116	108.76483785	29.56950710	72.01118709	9.90024467
Conc SD	0.01348980[mg/l]	0.00588844[mg/l]	0.00373947[mg/l]	0.00313184[mg/l]	0.00497504[mg/l]	0.00170709[mg/l]	0.00018896[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	89855.7000000	14234.9000000	115609	1832540	34053500	1110890	571368
Int RSD	0.58090249	0.43501675	1.16185591	0.15135659	0.41242163	0.68339530	0.25500553
Int SD	521.97400000	61.92420000	1343.21000000	2773.67000000	140444	7591.77000000	1457.02000000
RelInt Mean	0.00031399	0.00001759	0.00278381	---	---	---	0.30223800
RelInt RSD	3.81999140	211.23217251	0.91034230	---	---	---	0.42433446
RelInt SD	0.00001199	0.00003715	0.00002534	---	---	---	0.00128250
Conc Mean	0.00310789[mg/l]	<0.00325814[mg/l]	0.48769900[mg/l]	1816640	33936200	1096630	1.04306000[mg/l]
Conc RSD	3.87134036	84.72195793	0.93198469	---	---	---	0.42539643
Conc SD	0.00012032[mg/l]	0.00276036[mg/l]	0.00454528[mg/l]	2783.06000000	140084	7537.96000000	0.00443714[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	232869	20273.6000000	17608.2000000	12509.3000000	527270	16313.8000000	
Int RSD	0.62192477	0.84275116	0.38022967	0.92719017	0.01395274	0.42146220	
Int SD	1448.27000000	170.85600000	66.95160000	115.98500000	73.56860000	68.75650000	
RelInt Mean	0.20616900	0.00003659	0.00151710	0.00038149	0.28227000	0.00107225	
RelInt RSD	0.07721772	196.09119453	1.03786171	8.01646718	0.13223580	5.27636279	
RelInt SD	0.00015920	0.00007176	0.00001575	0.00003058	0.00037326	0.00005658	
Conc Mean	0.50051800[mg/l]	<-0.00392418[mg/l]	0.01159960[mg/l]	0.00659631[mg/l]	1.06748000[mg/l]	0.10185800[mg/l]	
Conc RSD	0.07717365	35.69688444	2.27414738	13.39592894	0.13224604	4.53410630	
Conc SD	0.00038627[mg/l]	0.00140081[mg/l]	0.00026379[mg/l]	0.00088364[mg/l]	0.00141170[mg/l]	0.00461835[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887121	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 16:53
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0307	1.000	1.029	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	35858700	-9.68
Yttrium	A	2100560	2027380	-3.48
Yttrium	R	1248250	1076410	-13.77

Sample Name: CCV,S19811 Sample Type: Control Sample

Measure Date: 2024-01-19 16:53:20 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	461370	25862.2000000	42064.5000000	169739	637959	1371420	371242
Int RSD	2.54554913	0.82906713	0.57258496	0.29346997	0.39386073	0.84845634	0.21767984
Int SD	11744.4000000	214.41500000	240.85500000	498.13300000	2512.67000000	11635.9000000	808.11900000
RelInt Mean	0.01091310	0.00723392	0.01808660	0.07880650	0.31101500	1.28265000	0.17876100
RelInt RSD	4.71877835	3.87297620	0.48161180	0.10585358	0.16098388	0.77822555	0.07022337
RelInt SD	0.00051497	0.00028017	0.00008711	0.00008342	0.00050068	0.00998191	0.00012553
Conc Mean	0.46487300[mg/l]	0.97000800[mg/l]	0.99177100[mg/l]	0.97015700[mg/l]	0.99844300[mg/l]	50.96170000[mg/l]	1.02309000[mg/l]
Conc RSD	4.73651944	4.01204939	0.48039618	0.10615808	0.16058503	0.78037821	0.06696889
Conc SD	0.02201880[mg/l]	0.03891720[mg/l]	0.00476443[mg/l]	0.00102990[mg/l]	0.00160335[mg/l]	0.39769400[mg/l]	0.00068515[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	311611	1012240	619129	46778.1000000	155900	2950810	241135
Int RSD	0.21388237	2.61384652	0.85623028	0.61221597	1.10597178	0.07062434	0.47995106
Int SD	666.48100000	26458.4000000	5301.17000000	286.38300000	1724.21000000	2083.99000000	1157.33000000
RelInt Mean	0.14921200	0.02648600	0.30027600	0.03883070	0.13214000	1.45850000	0.11627900
RelInt RSD	0.21917406	4.52446576	0.89238567	1.49472969	0.45423188	0.19738224	0.33794924
RelInt SD	0.00032703	0.00119835	0.00267962	0.00058041	0.00060022	0.00287882	0.00039296
Conc Mean	0.97879200[mg/l]	0.94049400[mg/l]	1.05668000[mg/l]	56.63850000[mg/l]	50.10980000[mg/l]	1.01023000[mg/l]	0.97613900[mg/l]
Conc RSD	0.21922329	4.54495191	0.89355434	1.50283641	0.45608045	0.19750453	0.33815164
Conc SD	0.00214574[mg/l]	0.04274500[mg/l]	0.00944201[mg/l]	0.85118400[mg/l]	0.22854100[mg/l]	0.00199525[mg/l]	0.00330083[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	402774	253554	73485.7000000	46402.2000000	36863.2000000	474808	996982
Int RSD	0.92920844	0.44748653	0.23881109	0.54157993	0.37312008	0.32115508	1.00425083
Int SD	3742.61000000	1134.62000000	175.49200000	251.30500000	137.54400000	1524.87000000	10012.2000000
RelInt Mean	0.35854300	0.11992000	0.03066630	0.01922990	0.01536560	0.23309800	0.92517000
RelInt RSD	0.02512070	0.24518596	0.21531062	0.31911606	0.12178372	0.06032098	0.88527298
RelInt SD	0.00009007	0.00029403	0.00006603	0.00006137	0.00001871	0.00014061	0.00819028
Conc Mean	49.72500000[mg/l]	1.01196000[mg/l]	1.02913000[mg/l]	1.03297000[mg/l]	1.01738000[mg/l]	4.92754000[mg/l]	1.04752000[mg/l]
Conc RSD	0.02510548	0.24547018	0.21411775	0.32103159	0.12196623	0.06044334	0.88605659
Conc SD	0.01248370[mg/l]	0.00248406[mg/l]	0.00220355[mg/l]	0.00331616[mg/l]	0.00124086[mg/l]	0.00297837[mg/l]	0.00928162[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	3710770	33366.2000000	208380	2027380	35858700	1076410	635925
Int RSD	1.97838993	0.59486247	2.66592763	0.26869605	1.81799396	1.01384231	0.27009160
Int SD	73413.5000000	198.48300000	5555.26000000	5447.49000000	651909	10913.1000000	1717.58000000
RelInt Mean	0.10153900	0.01379450	0.00532010	---	---	---	0.31212500
RelInt RSD	3.74316273	0.29511472	4.59863536	---	---	---	0.08876988
RelInt SD	0.00380077	0.00004071	0.00024465	---	---	---	0.00027707
Conc Mean	1.01855000[mg/l]	1.02192000[mg/l]	0.94215700[mg/l]	2013570	35756200	1062950	1.07699000[mg/l]
Conc RSD	3.74310539	0.30286422	4.65670796	---	---	---	0.08845932
Conc SD	0.03812540[mg/l]	0.00309503[mg/l]	0.04387350[mg/l]	5387.88000000	651754	10947.6000000	0.00095270[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	440414	72021.3000000	675857	369156	542019	138881	
Int RSD	1.27951882	0.33300288	0.44974159	0.10713980	0.26674342	0.29032049	
Int SD	5635.18000000	239.83300000	3039.61000000	395.51300000	1445.80000000	403.20000000	
RelInt Mean	0.40773800	0.04844410	0.32957600	0.18007900	0.26339000	0.06523060	
RelInt RSD	0.28051347	0.51482430	0.22662057	0.37936239	0.02881708	0.34483356	
RelInt SD	0.00114376	0.00024940	0.00074689	0.00068315	0.00007590	0.00022494	
Conc Mean	0.98954100[mg/l]	0.94104900[mg/l]	5.49809000[mg/l]	5.19886000[mg/l]	0.99245900[mg/l]	5.33952000[mg/l]	
Conc RSD	0.28044922	0.51738964	0.22706976	0.37960630	0.03022362	0.34396163	
Conc SD	0.00277516[mg/l]	0.00486889[mg/l]	0.01248450[mg/l]	0.01973520[mg/l]	0.00029996[mg/l]	0.01836590[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887122	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 16:56
Caldate: 19-JAN-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	39704000	37537800	-5.46
Yttrium	A	2100560	2106910	0.30
Yttrium	R	1248250	1094880	-12.29

Sample Name: CCB,1					Sample Type: Control Sample		
Measure Date: 2024-01-19 16:56:34			Recalculation Date:		State: Checked		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	70994.3000000	13910.5000000	5175.78000000	11103.5000000	11175.5000000	10377.4000000	10504.7000000
Int RSD	0.20514182	0.15438625	0.88804200	0.68359706	0.54342982	2.38639736	0.65636334
Int SD	145.63900000	21.47590000	45.96310000	75.90320000	60.73100000	247.64600000	68.94900000
RelInt Mean	0.00004915	0.00033213	-0.00005929	0.00026604	0.00006308	0.00341504	-0.00002339
RelInt RSD	8.43499702	17.56498306	41.75073954	13.63270384	22.12493203	5.66072433	127.78613750
RelInt SD	0.00000415	0.00005834	0.00002476	0.00003627	0.00001396	0.00019332	0.00002989
Conc Mean	<0.00034497[mg/l]	<0.01131290[mg/l]	<-0.00039891[mg/l]	<0.00030301[mg/l]	<-0.00009501[mg/l]	<-0.01048910[mg/l]	<-0.00014227[mg/l]
Conc RSD	51.39128443	71.62964403	339.59951268	147.80367385	51.75469986	73.43642448	120.58465886
Conc SD	0.00017728[mg/l]	0.00810339[mg/l]	0.00135471[mg/l]	0.00044785[mg/l]	0.00004917[mg/l]	0.00770282[mg/l]	0.00017156[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	10377.2000000	66266.3000000	24090.7000000	5677.14000000	15083.2000000	13271.9000000	8068.39000000
Int RSD	0.68248564	0.05850727	1.92558124	2.32217278	0.14647489	1.52307507	3.67350859
Int SD	70.82290000	38.77060000	463.88600000	131.83300000	22.09310000	202.14100000	296.39300000
RelInt Mean	0.00000230	0.00013055	0.00497229	0.00032259	0.00038765	0.00008833	0.00070719
RelInt RSD	1240.46767526	5.17891641	5.48918104	20.93328993	19.35181220	61.15778356	20.54418344
RelInt SD	0.00002848	0.00000676	0.00027294	0.00006753	0.00007502	0.00005402	0.00014529
Conc Mean	<-0.00004863[mg/l]	<0.00038556[mg/l]	0.01644470[mg/l]	<0.16322800[mg/l]	<-0.04737260[mg/l]	<-0.00011214[mg/l]	0.00593552[mg/l]
Conc RSD	384.15380218	62.54756057	5.84664968	60.67359767	60.28505930	33.37328233	20.54815753
Conc SD	0.00018681[mg/l]	0.00024116[mg/l]	0.00096146[mg/l]	0.09903630[mg/l]	0.02855860[mg/l]	0.00003743[mg/l]	0.00121964[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	19987.2000000	11353.0000000	10846.2000000	7348.66000000	5666.42000000	5515.31000000	13197.70000000
Int RSD	0.82025496	0.07458108	0.53393170	0.49996462	0.47470184	1.56432367	1.14805610
Int SD	163.94600000	8.46719000	57.91130000	36.74070000	26.89860000	86.27730000	151.51700000
RelInt Mean	-0.00049916	0.00002074	-0.00020296	0.00001570	0.00000039	0.00020450	0.00010251
RelInt RSD	26.15959116	59.05037928	29.60056956	64.53868640	2822.42797290	25.84552190	121.85780622
RelInt SD	0.00013058	0.00001225	0.00006008	0.00001013	0.00001091	0.00005285	0.00012491
Conc Mean	<-0.02782480[mg/l]	<-0.00061578[mg/l]	<-0.00303385[mg/l]	<0.00026738[mg/l]	<0.00016334[mg/l]	0.00353827[mg/l]	<-0.00069392[mg/l]
Conc RSD	65.03011702	16.79368611	66.16642220	204.50713602	442.31061209	31.58210086	20.39745216
Conc SD	0.01809450[mg/l]	0.00010341[mg/l]	0.00200739[mg/l]	0.00054680[mg/l]	0.00072248[mg/l]	0.00111746[mg/l]	0.00014154[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	91990.7000000	5107.00000000	19639.6000000	2106910	37537800	1094880	7232.81000000
Int RSD	0.66261481	0.61239084	0.99507118	0.51014044	0.55732888	0.19063276	0.50517019
Int SD	609.54400000	31.27480000	195.42800000	10748.2000000	209209	2087.20000000	36.53800000
RelInt Mean	0.00047797	-0.00001853	0.00006684	---	---	---	0.00015880
RelInt RSD	2.54657177	69.08250889	1.49387690	---	---	---	10.10107180
RelInt SD	0.00001217	0.00001280	0.00000100	---	---	---	0.00001604
Conc Mean	0.00475294[mg/l]	<0.00055068[mg/l]	<0.00045108[mg/l]	2093440	37437300	1081580	<-0.00090406[mg/l]
Conc RSD	2.56908356	173.28685780	39.60601049	---	---	---	6.13514590
Conc SD	0.00012211[mg/l]	0.00095426[mg/l]	0.00017865[mg/l]	10974.4000000	208943	2035.54000000	0.00005547[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5879.31000000	20334.3000000	13096.0000000	6153.54000000	10623.0000000	6780.50000000	
Int RSD	1.82393852	0.38088353	0.59241371	0.82703777	0.43059870	0.17286926	
Int SD	107.23500000	77.45000000	77.58250000	50.89210000	45.74250000	11.72140000	
RelInt Mean	-0.00022229	0.00011342	0.00095032	0.00013396	0.00003500	-0.00013769	
RelInt RSD	30.79012124	167.29205974	5.19917460	19.76156706	82.82492687	15.18534120	
RelInt SD	0.00006844	0.00018975	0.00004941	0.00002647	0.00002899	0.00002091	
Conc Mean	<-0.00020814[mg/l]	<-0.00242443[mg/l]	<0.00191715[mg/l]	<-0.00055587[mg/l]	<0.00002603[mg/l]	<0.00308361[mg/l]	
Conc RSD	79.77918921	152.78106607	42.44357510	137.60330727	436.14050587	55.35492491	
Conc SD	0.00016605[mg/l]	0.00370407[mg/l]	0.00081371[mg/l]	0.00076489[mg/l]	0.00011355[mg/l]	0.00170693[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887133	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 17:57
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0305	1.000	1.023	mg/l	2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	35660600	-10.18
Yttrium	A	2100560	1998330	-4.87
Yttrium	R	1248250	1043860	-16.37

Sample Name: CCV,S19811				Sample Type: Control Sample			
Measure Date: 2024-01-19 17:57:45			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	451331	24954.2000000	40879.0000000	165904	626399	1334850	362436
Int RSD	2.49145306	1.32794479	0.70387485	0.34447572	0.17356988	1.55892422	0.15745152
Int SD	11244.7000000	331.37800000	287.73700000	571.49900000	1087.24000000	20809.3000000	570.66100000
RelInt Mean	0.01072830	0.00703547	0.01781860	0.07814610	0.30982000	1.28755000	0.17704900
RelInt RSD	4.77259212	4.77098190	0.76381422	0.50684551	0.31558324	1.94915926	0.29900988
RelInt SD	0.00051202	0.00033566	0.00013610	0.00039608	0.00097774	0.02509640	0.00052939
Conc Mean	0.45697000[mg/l]	0.94244200[mg/l]	0.97710700[mg/l]	0.96200300[mg/l]	0.99462600[mg/l]	51.15670000[mg/l]	1.01342000[mg/l]
Conc RSD	4.79123356	4.94717977	0.76240166	0.50844956	0.31203890	1.95495409	0.29245426
Conc SD	0.02189450[mg/l]	0.04662430[mg/l]	0.00744948[mg/l]	0.00489130[mg/l]	0.00310362[mg/l]	1.00009000[mg/l]	0.00296379[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	307058	986071	578005	45399.1000000	152014	2889320	235496
Int RSD	0.18813319	2.70871976	0.48686776	1.59210425	0.24055876	0.17907535	1.19289075
Int SD	577.67800000	26709.9000000	2814.12000000	722.80100000	365.68300000	5174.06000000	2809.21000000
RelInt Mean	0.14917700	0.02594650	0.28409400	0.03893100	0.13307400	1.44871000	0.11521300
RelInt RSD	0.31931665	4.79251537	0.63601836	1.85869615	1.20897395	0.04092041	1.36004618
RelInt SD	0.00047635	0.00124349	0.00180689	0.00072361	0.00160883	0.00059282	0.00156695
Conc Mean	0.97855900[mg/l]	0.92124900[mg/l]	0.99967300[mg/l]	56.78540000[mg/l]	50.46530000[mg/l]	1.00346000[mg/l]	0.96718600[mg/l]
Conc RSD	0.31922551	4.81468094	0.63657316	1.86886066	1.21346747	0.04121360	1.35988321
Conc SD	0.00312381[mg/l]	0.04435520[mg/l]	0.00636365[mg/l]	1.06124000[mg/l]	0.61238000[mg/l]	0.00041356[mg/l]	0.01315260[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	392084	248067	72001.1000000	45550.3000000	36154.1000000	461755	961895
Int RSD	0.86253201	0.25456953	0.28308456	0.17084256	0.53275009	0.32496454	1.50097464
Int SD	3381.85000000	631.50300000	203.82400000	77.81930000	192.61100000	1500.54000000	14437.8000000
RelInt Mean	0.36005800	0.11905100	0.03048940	0.01916270	0.01530260	0.22997600	0.92051000
RelInt RSD	0.12628577	0.40371437	0.39031598	0.33563903	0.80890176	0.46457022	1.80158825
RelInt SD	0.00045470	0.00048063	0.00011901	0.00006432	0.00012378	0.00106840	0.01658380
Conc Mean	49.93500000[mg/l]	1.00463000[mg/l]	1.02322000[mg/l]	1.02933000[mg/l]	1.01320000[mg/l]	4.86153000[mg/l]	1.04224000[mg/l]
Conc RSD	0.12601802	0.40386112	0.38847951	0.33656845	0.80911074	0.46467470	1.80272298
Conc SD	0.06292710[mg/l]	0.00405731[mg/l]	0.00397500[mg/l]	0.00346440[mg/l]	0.00819791[mg/l]	0.02259030[mg/l]	0.01878870[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	3389980	32681.0000000	202369	1998330	35660600	1043860	619414
Int RSD	2.64718376	0.18239222	2.34391137	0.13693184	2.01127855	1.03146974	0.15319915
Int SD	89739.0000000	59.60760000	4743.35000000	2736.35000000	717234	10767.1000000	948.93700000
RelInt Mean	0.09315100	0.01373190	0.00519320	---	---	---	0.30841500
RelInt RSD	4.66760421	0.20307386	4.58345529	---	---	---	0.28893439
RelInt SD	0.00434792	0.00002789	0.00023803	---	---	---	0.00089112
Conc Mean	0.93440500[mg/l]	1.01751000[mg/l]	0.91940400[mg/l]	1984840	35560400	1030950	1.06417000[mg/l]
Conc RSD	4.66784745	0.19693369	4.64233351	---	---	---	0.28933159
Conc SD	0.04361660[mg/l]	0.00200382[mg/l]	0.04268180[mg/l]	2808.49000000	717010	10802.5000000	0.00307898[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	426814	70370.3000000	663467	360131	533560	135404	
Int RSD	0.73830755	0.89371084	0.39507617	0.11130672	0.21877015	0.13876547	
Int SD	3151.20000000	628.90700000	2621.20000000	400.85000000	1167.27000000	187.89400000	
RelInt Mean	0.40762500	0.04901340	0.32821000	0.17823500	0.26306100	0.06451050	
RelInt RSD	0.41999387	1.13466113	0.54427958	0.24865992	0.30477228	0.08822052	
RelInt SD	0.00171200	0.00055614	0.00178638	0.00044320	0.00080174	0.00005691	
Conc Mean	0.98926600[mg/l]	0.95216300[mg/l]	5.47535000[mg/l]	5.14556000[mg/l]	0.99126900[mg/l]	5.28073000[mg/l]	
Conc RSD	0.41977689	1.14018293	0.54250048	0.24887476	0.30846521	0.08796852	
Conc SD	0.00415271[mg/l]	0.01085640[mg/l]	0.02970380[mg/l]	0.01280600[mg/l]	0.00305772[mg/l]	0.00464538[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887134	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 18:00
Caldate: 19-JAN-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	39704000	37036100	-6.72
Yttrium	A	2100560	2073300	-1.30
Yttrium	R	1248250	1072960	-14.04

Sample Name: CCB,1					Sample Type: Control Sample		
Measure Date: 2024-01-19 18:00:59			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	69284.8000000	13652.0000000	4994.27000000	10821.2000000	10862.3000000	10182.3000000	10268.0000000
Int RSD	0.45947019	1.92504395	0.23855939	0.34671201	0.64681513	1.96269998	0.13943222
Int SD	318.34300000	262.80700000	11.91430000	37.51840000	70.25900000	199.84800000	14.31690000
RelInt Mean	0.00003721	0.00021173	-0.00006014	0.00029888	0.00008146	0.00337672	0.00003647
RelInt RSD	5.92307734	36.24903179	2.81269692	3.12829100	28.77722042	2.07040560	52.39446505
RelInt SD	0.00000220	0.00007675	0.00000169	0.00000935	0.00002344	0.00006991	0.00001911
Conc Mean	<0.00016567[mg/l]	<0.00541034[mg/l]	<0.00044562[mg/l]	<0.00070862[mg/l]	<0.00004397[mg/l]	<0.01201620[mg/l]	<0.00019882[mg/l]
Conc RSD	56.88311453	197.05046263	20.79052545	16.29366416	160.64895158	23.18145504	55.17754753
Conc SD	0.00009424[mg/l]	0.01066110[mg/l]	0.00009265[mg/l]	0.00011546[mg/l]	0.00007063[mg/l]	0.00278553[mg/l]	0.00010970[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	10097.4000000	64817.0000000	15713.8000000	5654.06000000	15113.2000000	12766.4000000	8363.83000000
Int RSD	0.35468041	0.35354305	2.91370642	2.72310517	0.12737938	0.73504434	5.09057453
Int SD	35.81350000	229.15600000	457.85400000	153.96600000	19.25110000	93.83870000	425.76700000
RelInt Mean	0.00003544	0.00013217	0.00123093	0.00031489	0.00055957	0.00007620	0.00097326
RelInt RSD	55.02865091	3.67759166	18.36586971	8.98788768	24.63239499	46.36380578	19.98485505
RelInt SD	0.00001950	0.00000486	0.00022607	0.00002830	0.00013784	0.00003533	0.00019451
Conc Mean	<0.00016883[mg/l]	<0.00044360[mg/l]	0.00326542[mg/l]	<0.15192900[mg/l]	<0.01807580[mg/l]	<0.00012055[mg/l]	0.00816915[mg/l]
Conc RSD	75.78733511	39.08610331	24.38782760	27.31940578	290.29365229	20.30186394	19.98788124
Conc SD	0.00012795[mg/l]	0.00017338[mg/l]	0.00079637[mg/l]	0.04150610[mg/l]	0.05247290[mg/l]	0.00002447[mg/l]	0.00163284[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	20619.4000000	11057.8000000	10568.3000000	7166.10000000	5508.26000000	5490.24000000	13189.4000000
Int RSD	2.08427500	0.11637668	0.41925570	0.45502435	1.11437732	1.63244048	1.33242604
Int SD	429.76500000	12.86870000	44.30820000	32.60750000	61.38280000	89.62490000	175.73900000
RelInt Mean	0.00020385	0.00006113	-0.00010129	0.00004787	0.00002532	0.00028736	0.00020578
RelInt RSD	68.78749675	15.71602666	20.61633084	20.84934866	135.75197056	11.94555319	31.25969482
RelInt SD	0.00014022	0.00000961	0.00002088	0.00000998	0.00003438	0.00003433	0.00006433
Conc Mean	<0.06959260[mg/l]	<0.00027463[mg/l]	<0.00037188[mg/l]	<0.00200469[mg/l]	<0.00181418[mg/l]	0.00529032[mg/l]	<0.00057690[mg/l]
Conc RSD	27.92107207	29.54448134	187.54773096	26.94237014	125.44455346	13.71886767	12.63457682
Conc SD	0.01943100[mg/l]	0.00008114[mg/l]	0.00069745[mg/l]	0.00054011[mg/l]	0.00227579[mg/l]	0.00072577[mg/l]	0.00007289[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	94427.9000000	4919.31000000	19255.3000000	2073300	37036100	1072960	7117.22000000
Int RSD	0.38610411	0.36680347	1.22172597	0.53628033	0.59050494	0.62161124	1.08777022
Int SD	364.59000000	18.04420000	235.24700000	11118.7000000	218700	6669.64000000	77.41900000
RelInt Mean	0.00060114	-0.00001932	0.00006927	---	---	---	0.00023356
RelInt RSD	1.60632102	50.93609468	9.41569034	---	---	---	17.12619563
RelInt SD	0.00000966	0.00000984	0.00000652	---	---	---	0.00004000
Conc Mean	0.00598847[mg/l]	<0.00048245[mg/l]	<0.00088709[mg/l]	2060300	36937500	1059690	<0.00064574[mg/l]
Conc RSD	1.61742482	151.80631989	131.83065884	---	---	---	21.42164697
Conc SD	0.00009686[mg/l]	0.00073238[mg/l]	0.00116945[mg/l]	11119.2000000	217823	6442.21000000	0.00013833[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5780.83000000	20244.3000000	12679.4000000	5917.26000000	10353.7000000	7099.75000000	
Int RSD	3.21291233	1.96998661	1.88034923	0.53571079	0.90594860	0.77310610	
Int SD	185.73300000	398.81000000	238.41700000	31.69940000	93.79920000	54.88860000	
RelInt Mean	-0.00023762	0.00009265	0.00093908	0.00010683	0.00008548	0.00011684	
RelInt RSD	38.26108913	105.94031194	11.86352600	18.92193204	65.13628818	26.50416385	
RelInt SD	0.00009092	0.00009816	0.00011141	0.00002021	0.00005568	0.00003097	
Conc Mean	<0.00024532[mg/l]	<0.00282988[mg/l]	<0.00167811[mg/l]	<0.00133972[mg/l]	<0.00021712[mg/l]	0.02386260[mg/l]	
Conc RSD	89.91081110	67.70993823	109.59591445	43.59761741	97.01046407	10.59410961	
Conc SD	0.00022057[mg/l]	0.00191611[mg/l]	0.00183914[mg/l]	0.00058409[mg/l]	0.00021063[mg/l]	0.00252803[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887145	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 18:36
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0306	1.000	1.028	mg/l	3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	35433600	-10.76
Yttrium	A	2100560	1948620	-7.23
Yttrium	R	1248250	1057690	-15.27

Sample Name: CCV,S19811 Sample Type: Control Sample

Measure Date: 2024-01-19 18:36:41 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	452757	25380.9000000	41022.4000000	166336	621144	1347030	360421
Int RSD	3.13324808	0.62247202	0.68798998	0.23061935	0.09272471	0.48684662	0.11029435
Int SD	14186.0000000	157.98900000	282.23000000	383.60300000	575.95400000	6557.97000000	397.52400000
RelInt Mean	0.01081500	0.00734512	0.01830770	0.08031530	0.31503400	1.28197000	0.18051300
RelInt RSD	4.18068423	0.86384429	0.77711018	0.10271754	0.28271012	0.78902782	0.25879964
RelInt SD	0.00045214	0.00006345	0.00014227	0.00008250	0.00089063	0.01011510	0.00046717
Conc Mean	0.46067600[mg/l]	0.98545400[mg/l]	1.00386000[mg/l]	0.98879000[mg/l]	1.01139000[mg/l]	50.93440000[mg/l]	1.03322000[mg/l]
Conc RSD	4.19670224	0.89434007	0.77554739	0.10307548	0.28015701	0.79136497	0.25387430
Conc SD	0.01933320[mg/l]	0.00881331[mg/l]	0.00778541[mg/l]	0.00101920[mg/l]	0.00283348[mg/l]	0.40307700[mg/l]	0.00262308[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	304471	990845	588118	46377.6000000	154700	2850780	232106
Int RSD	0.03643598	3.07050043	0.27662136	0.09504675	0.54112993	0.11657827	0.82127132
Int SD	110.93700000	30423.9000000	1626.86000000	44.08040000	837.12800000	3323.39000000	1906.22000000
RelInt Mean	0.15162500	0.02621890	0.29656000	0.03931700	0.13373000	1.46616000	0.11638300
RelInt RSD	0.16180907	3.75751462	0.27429121	0.44174530	0.28521199	0.24806570	1.01439214
RelInt SD	0.00024534	0.00098518	0.00081344	0.00017368	0.00038141	0.00363704	0.00118058
Conc Mean	0.99462100[mg/l]	0.93096600[mg/l]	1.04359000[mg/l]	57.35150000[mg/l]	50.71530000[mg/l]	1.01554000[mg/l]	0.97701300[mg/l]
Conc RSD	0.16181138	3.77468135	0.27440278	0.44427783	0.28636526	0.24804439	1.01407863
Conc SD	0.00160941[mg/l]	0.03514100[mg/l]	0.00286364[mg/l]	0.25480000[mg/l]	0.14523100[mg/l]	0.00251899[mg/l]	0.00990768[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	401034	245873	70907.0000000	45352.2000000	35894.7000000	459116	972828
Int RSD	0.30086227	0.16831210	0.47537056	0.26510070	0.59209020	0.30264465	0.63846024
Int SD	1206.56000000	413.83400000	337.07100000	120.22900000	212.52900000	1389.49000000	6211.12000000
RelInt Mean	0.36376300	0.12089000	0.03063310	0.01951370	0.01551570	0.23449700	0.91875400
RelInt RSD	0.21909128	0.34557780	0.80275584	0.32530889	0.56031568	0.49268008	0.96764096
RelInt SD	0.00079697	0.00041777	0.00024591	0.00006348	0.00008694	0.00115532	0.00889024
Conc Mean	50.44840000[mg/l]	1.02015000[mg/l]	1.02801000[mg/l]	1.04821000[mg/l]	1.02732000[mg/l]	4.95713000[mg/l]	1.04025000[mg/l]
Conc RSD	0.21885134	0.34564917	0.80032393	0.32646798	0.55999299	0.49281742	0.96813266
Conc SD	0.11040700[mg/l]	0.00352614[mg/l]	0.00822741[mg/l]	0.00342207[mg/l]	0.00575292[mg/l]	0.02442960[mg/l]	0.01007100[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	3472230	32900.6000000	202963	1948620	35433600	1057690	612799
Int RSD	2.82955334	0.35143128	2.76083326	0.18335745	0.57234094	0.39880494	0.26529090
Int SD	98248.6000000	115.62300000	5603.47000000	3572.94000000	202801	4218.12000000	1625.70000000
RelInt Mean	0.09601570	0.01415390	0.00524132	---	---	---	0.31292200
RelInt RSD	3.32245664	0.53958485	3.43941984	---	---	---	0.42297122
RelInt SD	0.00319008	0.00007637	0.00018027	---	---	---	0.00132357
Conc Mean	0.96314200[mg/l]	1.04877000[mg/l]	0.92803000[mg/l]	1934940	35332600	1044700	1.07974000[mg/l]
Conc RSD	3.32262532	0.53249044	3.48315248	---	---	---	0.42360568
Conc SD	0.03200160[mg/l]	0.00558460[mg/l]	0.03232470[mg/l]	3647.80000000	202677	4294.38000000	0.00457384[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	434341	71272.8000000	661106	360500	529157	134077	
Int RSD	0.50066653	0.35406494	0.11291502	0.13882191	0.18572503	0.33200922	
Int SD	2174.60000000	252.35200000	746.48800000	500.45300000	982.77700000	445.14800000	
RelInt Mean	0.40936800	0.04904130	0.33544400	0.18296700	0.26752500	0.06542500	
RelInt RSD	0.31585761	0.37290814	0.24781335	0.25842037	0.36083618	0.20868017	
RelInt SD	0.00129302	0.00018288	0.00083128	0.00047282	0.00096533	0.00013653	
Conc Mean	0.99349600[mg/l]	0.95270600[mg/l]	5.59660000[mg/l]	5.28231000[mg/l]	1.00805000[mg/l]	5.35538000[mg/l]	
Conc RSD	0.31569327	0.37466753	0.24666047	0.25844943	0.36163286	0.20805620	
Conc SD	0.00313640[mg/l]	0.00356948[mg/l]	0.01380460[mg/l]	0.01365210[mg/l]	0.00364544[mg/l]	0.01114220[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887146	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 18:39
Caldate: 19-JAN-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	39704000	37410700	-5.78
Yttrium	A	2100560	2044580	-2.67
Yttrium	R	1248250	1084580	-13.11

Sample Name: CCB,1					Sample Type: Control Sample		
Measure Date: 2024-01-19 18:39:55			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	70851.2000000	13994.7000000	5155.22000000	11125.8000000	11165.7000000	10388.8000000	10523.4000000
Int RSD	0.47875689	2.44624751	0.95979997	0.83183591	0.70526255	2.55792777	0.43381512
Int SD	339.20500000	342.34500000	49.47980000	92.54840000	78.74750000	265.73800000	45.65210000
RelInt Mean	0.00004294	0.00024918	-0.00006154	0.00028778	0.00005809	0.00338923	-0.00000714
RelInt RSD	21.42028466	49.95364852	34.96549292	10.88434996	51.86684707	6.43004458	140.63622047
RelInt SD	0.00000920	0.00012448	0.00002152	0.00003132	0.00003013	0.00021793	0.00001005
Conc Mean	<0.00007939[mg/l]	<0.00020823[mg/l]	<0.00052174[mg/l]	<0.00057154[mg/l]	<0.00011338[mg/l]	<0.01151760[mg/l]	<0.00004903[mg/l]
Conc RSD	495.41070621	8303.39091306	225.67859210	67.67545456	88.67074150	75.39374522	117.79365601
Conc SD	0.00039331[mg/l]	0.01729040[mg/l]	0.00117746[mg/l]	0.00038680[mg/l]	0.00010053[mg/l]	0.00868355[mg/l]	0.00005775[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	10373.2000000	66441.3000000	20346.7000000	5749.13000000	15309.1000000	13234.2000000	8181.28000000
Int RSD	0.93131338	0.42112210	2.90346346	1.59997252	1.86227799	0.71201735	3.35541627
Int SD	96.60700000	279.79900000	590.75900000	91.98450000	285.09800000	94.22980000	274.51600000
RelInt Mean	0.00000375	0.00012958	0.00329105	0.00025678	0.00050047	0.00008786	0.00078214
RelInt RSD	297.13834574	1.03140917	9.91625773	21.70390996	5.76338006	28.05768333	19.37783597
RelInt SD	0.00001114	0.00000134	0.00032635	0.00005573	0.00002884	0.00002465	0.00015156
Conc Mean	<0.00003909[mg/l]	<0.00035107[mg/l]	0.01052230[mg/l]	<0.06671220[mg/l]	<0.00442455[mg/l]	<0.00011247[mg/l]	0.00656472[mg/l]
Conc RSD	186.94740181	13.57875308	10.92517796	122.51762047	248.17665073	15.18373298	19.38148162
Conc SD	0.00007308[mg/l]	0.00004767[mg/l]	0.00114958[mg/l]	0.08173420[mg/l]	0.01098070[mg/l]	0.00001708[mg/l]	0.00127234[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	20629.2000000	11348.7000000	10896.0000000	7398.62000000	5690.35000000	5558.63000000	13351.7000000
Int RSD	2.22567526	0.42264136	0.57031021	0.47971514	0.67345242	1.33911413	2.02858063
Int SD	459.13900000	47.96430000	62.14100000	35.49230000	38.32180000	74.43640000	270.85000000
RelInt Mean	-0.00001052	0.00002578	-0.00013440	0.00004289	0.00001412	0.00023739	0.00011797
RelInt RSD	1807.35183653	125.94303579	59.70833767	28.20142778	166.18472132	19.69038683	74.40658139
RelInt SD	0.00019008	0.00003247	0.00008025	0.00001210	0.00002346	0.00004674	0.00008778
Conc Mean	<0.03988730[mg/l]	<0.00057318[mg/l]	<0.00073730[mg/l]	<0.00173681[mg/l]	<0.00107228[mg/l]	0.00423382[mg/l]	<0.00067640[mg/l]
Conc RSD	66.03530447	47.84022611	363.41010875	37.61608927	144.83716940	23.34270234	14.70455352
Conc SD	0.02633970[mg/l]	0.00027421[mg/l]	0.00267943[mg/l]	0.00065332[mg/l]	0.00155306[mg/l]	0.00098829[mg/l]	0.00009946[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	91674.3000000	5101.43000000	19642.3000000	2044580	37410700	1084580	7232.68000000
Int RSD	0.55951668	0.61141680	0.23662504	0.10532579	0.52465738	0.58479135	0.69825016
Int SD	512.93300000	31.19100000	46.47860000	2153.47000000	196278	6342.53000000	50.50220000
RelInt Mean	0.00047272	-0.00003047	0.00007136	---	---	---	0.00017405
RelInt RSD	3.20732365	24.66434296	4.67368321	---	---	---	6.04853861
RelInt SD	0.00001516	0.00000751	0.00000334	---	---	---	0.00001053
Conc Mean	0.00470019[mg/l]	<0.00033825[mg/l]	<0.00126279[mg/l]	2031120	37310000	1071130	<0.00085135[mg/l]
Conc RSD	3.23589046	165.42418580	47.39592490	---	---	---	4.27809113
Conc SD	0.00015209[mg/l]	0.00055954[mg/l]	0.00059851[mg/l]	2186.65000000	195465	6172.17000000	0.00003642[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	5978.22000000	20576.1000000	13105.5000000	6276.82000000	10680.3000000	7039.33000000	
Int RSD	3.48774384	1.83322398	0.55479379	1.32444454	0.75716600	0.67200003	
Int SD	208.50500000	377.20600000	72.70850000	83.13300000	80.86760000	47.30430000	
RelInt Mean	-0.00018788	0.00020404	0.00099016	0.00019572	0.00008631	-0.00002107	
RelInt RSD	47.26437589	66.96236032	6.49556991	23.73393145	13.92520051	46.74394214	
RelInt SD	0.00008880	0.00013663	0.00006432	0.00004645	0.00001202	0.00000985	
Conc Mean	<0.00012466[mg/l]	<0.00065544[mg/l]	<0.00257195[mg/l]	<0.00122882[mg/l]	<0.00022051[mg/l]	0.01260410[mg/l]	
Conc RSD	172.82864179	406.92783354	41.80913315	109.22999300	21.53963366	6.37953523	
Conc SD	0.00021544[mg/l]	0.00266718[mg/l]	0.00107531[mg/l]	0.00134224[mg/l]	0.00004750[mg/l]	0.00080408[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887169	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 19:54
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0310	1.000	1.039	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	36302800	-8.57
Yttrium	A	2100560	2021520	-3.76
Yttrium	R	1248250	1058870	-15.17

Sample Name: CCV,S19811				Sample Type: Control Sample			
Measure Date: 2024-01-19 19:54:22			Recalculation Date:		State: Check failed		Quality: Failed
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	468650	26027.9000000	42833.2000000	171742	644319	1369470	374350
Int RSD	3.01702763	0.83277560	0.27108878	0.21795251	0.40478862	0.60729625	0.40954722
Int SD	14139.3000000	216.75400000	116.11600000	374.31600000	2608.13000000	8316.74000000	1533.14000000
RelInt Mean	0.01088970	0.00730608	0.01841460	0.07986560	0.31496100	1.30245000	0.18067000
RelInt RSD	4.00055098	1.61898036	0.38998512	0.32322176	0.44132766	1.17326577	0.43948525
RelInt SD	0.00043565	0.00011828	0.00007181	0.00025814	0.00139001	0.01528120	0.00079402
Conc Mean	0.46387000[mg/l]	0.98003100[mg/l]	1.00971000[mg/l]	0.98323500[mg/l]	1.01116000[mg/l]	51.75070000[mg/l]	1.03415000[mg/l]
Conc RSD	4.01578028	1.67648778	0.38889582	0.32422157	0.44355789	1.17653288	0.44523522
Conc SD	0.01862800[mg/l]	0.01643010[mg/l]	0.00392672[mg/l]	0.00318786[mg/l]	0.00448508[mg/l]	0.60886400[mg/l]	0.00460440[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	316356	1019130	594545	47037.3000000	155618	2956210	240455
Int RSD	0.48514964	3.22806708	0.38449402	0.23868504	0.79820458	0.21083414	0.31612027
Int SD	1534.80000000	32898.2000000	2285.99000000	112.27100000	1242.15000000	6232.70000000	760.12700000
RelInt Mean	0.15180700	0.02626840	0.28874700	0.03964500	0.13403200	1.46570000	0.11618100
RelInt RSD	0.52545535	3.89315680	0.40820857	0.40194728	0.34812955	0.19070615	0.29147451
RelInt SD	0.00079768	0.00102267	0.00117869	0.00015935	0.00046660	0.00279518	0.00033864
Conc Mean	0.99581200[mg/l]	0.93273000[mg/l]	1.01606000[mg/l]	57.83260000[mg/l]	50.83040000[mg/l]	1.01522000[mg/l]	0.97531700[mg/l]
Conc RSD	0.52545260	3.91107823	0.40870913	0.40416132	0.34953689	0.19062666	0.29137911
Conc SD	0.00523252[mg/l]	0.03647980[mg/l]	0.00415273[mg/l]	0.23373700[mg/l]	0.17767100[mg/l]	0.00193528[mg/l]	0.00284187[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	400273	256107	74404.1000000	46955.4000000	37369.0000000	479852	978493
Int RSD	0.50530513	0.33755735	0.23862529	0.46251336	0.43130402	0.45482149	0.87275535
Int SD	2022.60000000	864.50800000	177.54700000	217.17500000	161.17400000	2182.47000000	8539.85000000
RelInt Mean	0.36193000	0.12135000	0.03095940	0.01937830	0.01552990	0.23625200	0.92304300
RelInt RSD	0.10333683	0.37610383	0.31518569	0.58558800	0.43069756	0.47385419	1.46433048
RelInt SD	0.00037401	0.00045640	0.00009758	0.00011348	0.00006689	0.00111949	0.01351640
Conc Mean	50.19430000[mg/l]	1.02404000[mg/l]	1.03893000[mg/l]	1.04089000[mg/l]	1.02826000[mg/l]	4.99422000[mg/l]	1.04511000[mg/l]
Conc RSD	0.10332747	0.37648334	0.31400287	0.58683723	0.43057690	0.47397792	1.46541512
Conc SD	0.05186450[mg/l]	0.00385534[mg/l]	0.00326227[mg/l]	0.00610833[mg/l]	0.00442745[mg/l]	0.02367150[mg/l]	0.01531520[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	3503900	34323.9000000	211307	2021520	36302800	1058870	648864
Int RSD	2.95610605	0.34893179	2.93719091	0.02159840	0.45481616	0.59079490	0.34630523
Int SD	103579	119.76700000	6206.49000000	436.61600000	165111	6255.75000000	2247.05000000
RelInt Mean	0.09446430	0.01425580	0.00530973	---	---	---	0.31943100
RelInt RSD	3.47981195	0.44156203	3.68434930	---	---	---	0.37762772
RelInt SD	0.00328718	0.00006295	0.00019563	---	---	---	0.00120626
Conc Mean	0.94757900[mg/l]	1.05639000[mg/l]	0.94029800[mg/l]	2007030	36196600	1045300	1.10224000[mg/l]
Conc RSD	3.47999481	0.43800017	3.73097678	---	---	---	0.37779612
Conc SD	0.03297570[mg/l]	0.00462699[mg/l]	0.03508230[mg/l]	352.32600000	164959	6264.32000000	0.00416422[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	433965	72419.9000000	677760	374373	547780	138616	
Int RSD	0.70342078	0.35156221	0.49272751	0.53823860	0.56030888	0.50121487	
Int SD	3052.60000000	254.60100000	3339.51000000	2015.02000000	3069.26000000	694.76400000	
RelInt Mean	0.40848500	0.04928590	0.33132800	0.18318800	0.26685700	0.06521620	
RelInt RSD	0.09726404	0.89889198	0.53300355	0.55990021	0.59280439	0.53647713	
RelInt SD	0.00039731	0.00044303	0.00176599	0.00102567	0.00158194	0.00034987	
Conc Mean	0.99135400[mg/l]	0.95748200[mg/l]	5.52753000[mg/l]	5.28867000[mg/l]	1.00551000[mg/l]	5.33834000[mg/l]	
Conc RSD	0.09722541	0.90322325	0.53717664	0.56036395	0.59325516	0.53494719	
Conc SD	0.00096385[mg/l]	0.00864820[mg/l]	0.02969260[mg/l]	0.02963580[mg/l]	0.00596524[mg/l]	0.02855730[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887170	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 19:57
Caldate: 19-JAN-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	39704000	37685200	-5.08
Yttrium	A	2100560	2101600	0.05
Yttrium	R	1248250	1079200	-13.54

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2024-01-19 19:57:36			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	74620.4000000	14193.7000000	5372.19000000	11787.6000000	11517.0000000	10483.8000000	10980.5000000
Int RSD	0.68173717	0.12419947	0.12345505	0.71327157	1.19171659	0.90247048	0.52300806
Int SD	508.71500000	17.62850000	6.63224000	84.07760000	137.25000000	94.61320000	57.42890000
RelInt Mean	0.00004808	0.00030997	-0.00005781	0.00038095	-0.00000697	0.00338124	-0.00001000
RelInt RSD	3.59137924	19.76391568	27.18933468	8.13095544	792.73949377	0.52073500	341.24687531
RelInt SD	0.00000173	0.00006126	0.00001572	0.00003098	0.00005522	0.00001761	0.00003413
Conc Mean	<0.00029902[mg/l]	<0.00823598[mg/l]	<-0.00031775[mg/l]	0.00172207[mg/l]	<-0.00032658[mg/l]	<-0.01183610[mg/l]	<-0.00006638[mg/l]
Conc RSD	24.69157272	103.32431599	270.72950433	22.21146643	55.70280731	5.92811821	294.92558540
Conc SD	0.00007383[mg/l]	0.00850977[mg/l]	0.00086024[mg/l]	0.00038250[mg/l]	0.00018191[mg/l]	0.00070166[mg/l]	0.00019577[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	10854.0000000	69340.7000000	18708.7000000	5870.65000000	15482.1000000	13915.6000000	8753.72000000
Int RSD	0.50933389	0.53294674	4.11813755	1.03321438	0.70972284	0.99744891	4.74142422
Int SD	55.28310000	369.54900000	770.45000000	60.65640000	109.88000000	138.80100000	415.05100000
RelInt Mean	0.00001119	0.00012338	0.00215695	0.00028417	0.00051422	0.00011702	0.00089713
RelInt RSD	113.33655084	1.55995040	17.80055170	8.93802632	23.71844736	66.26464531	24.25791465
RelInt SD	0.00001268	0.00000192	0.00038395	0.00002540	0.00012197	0.00007754	0.00021763
Conc Mean	<0.00000971[mg/l]	<0.00012980[mg/l]	0.00652740[mg/l]	<0.10688000[mg/l]	<0.00081193[mg/l]	<-0.00009227[mg/l]	0.00753006[mg/l]
Conc RSD	856.56507414	52.89116249	20.72019487	34.85254491	5718.59993374	58.21691186	24.26182527
Conc SD	0.00008319[mg/l]	0.00006865[mg/l]	0.00135249[mg/l]	0.03725040[mg/l]	0.04643120[mg/l]	0.00005372[mg/l]	0.00182693[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	20855.5000000	11671.4000000	11388.2000000	7697.08000000	5921.30000000	5860.55000000	13498.8000000
Int RSD	0.60755196	0.10466011	0.60507367	0.20487250	0.95633054	2.58259037	0.05650080
Int SD	126.70800000	12.21530000	68.90700000	15.76920000	56.62720000	151.35400000	7.62693000
RelInt Mean	-0.00024416	-0.00006735	-0.00018629	0.00003257	0.00000883	0.00027008	0.00014099
RelInt RSD	81.04482808	21.11822822	38.44984460	35.59299133	257.01477331	27.89970231	32.14687462
RelInt SD	0.00019788	0.00001422	0.00007163	0.00001159	0.00002270	0.00007535	0.00004532
Conc Mean	<0.00751185[mg/l]	<-0.00135970[mg/l]	<-0.00247485[mg/l]	<0.00117843[mg/l]	<0.00072254[mg/l]	0.00492483[mg/l]	<-0.00065031[mg/l]
Conc RSD	365.01926955	8.83430168	96.70808332	53.18627326	208.01778162	32.34852777	7.89739710
Conc SD	0.02741970[mg/l]	0.00012012[mg/l]	0.00239338[mg/l]	0.00062676[mg/l]	0.00150302[mg/l]	0.00159311[mg/l]	0.00005136[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	97892.1000000	5317.92000000	20725.2000000	2101600	37685200	1079200	8053.76000000
Int RSD	0.42235380	0.12500771	0.75987686	0.28263323	0.25963614	0.78728225	1.29056490
Int SD	413.45100000	6.64781000	157.48600000	5939.82000000	97844.4000000	8496.35000000	103.93900000
RelInt Mean	0.00052912	-0.00001378	0.00006942	---	---	---	0.00041957
RelInt RSD	3.58006959	55.47330749	4.66475743	---	---	---	10.44202082
RelInt SD	0.00001894	0.00000764	0.00000324	---	---	---	0.00004381
Conc Mean	0.00526604[mg/l]	<0.00089831[mg/l]	<0.00091311[mg/l]	2087650	37580400	1065550	<-0.00000266[mg/l]
Conc RSD	3.60855595	63.38270409	63.52777419	---	---	---	5703.56282013
Conc SD	0.00019003[mg/l]	0.00056937[mg/l]	0.00058008[mg/l]	5906.84000000	97596.4000000	8530.53000000	0.00015144[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6056.80000000	20830.8000000	13765.7000000	6429.66000000	11164.1000000	7043.57000000	
Int RSD	0.31554286	0.64412793	1.98334992	1.21331299	0.05485440	0.60291159	
Int SD	19.11180000	134.17700000	273.02200000	78.01190000	6.12400000	42.46650000	
RelInt Mean	-0.00023817	0.00001166	0.00111789	0.00018523	0.00008373	-0.00012097	
RelInt RSD	23.43466194	808.02110592	14.76433281	21.61902294	12.11400659	11.61236721	
RelInt SD	0.00005581	0.00009418	0.00016505	0.00004004	0.00001014	0.00001405	
Conc Mean	<-0.00024665[mg/l]	<-0.00441102[mg/l]	0.00469499[mg/l]	<0.00092558[mg/l]	<0.00021003[mg/l]	<0.00444916[mg/l]	
Conc RSD	54.89854250	41.67947550	58.15582142	125.01080399	17.07049402	25.77385394	
Conc SD	0.00013541[mg/l]	0.00183849[mg/l]	0.00273041[mg/l]	0.00115708[mg/l]	0.00003585[mg/l]	0.00114672[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887181	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 20:33
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0309	1.000	1.036	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	35520100	-10.54
Yttrium	A	2100560	2020750	-3.80
Yttrium	R	1248250	1038300	-16.82

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S19811

Sample Type: Control Sample

Measure Date: 2024-01-19 20:33:24

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	460531	25952.7000000	42226.6000000	168585	636720	1335010	370552
Int RSD	2.73284535	1.88572673	0.28788252	0.26007296	0.17007005	0.77484813	0.17659573
Int SD	12585.6000000	489.39700000	121.56300000	438.44400000	1082.87000000	10344.3000000	654.37900000
RelInt Mean	0.01089180	0.00741875	0.01811360	0.07832570	0.31128000	1.29504000	0.17884200
RelInt RSD	3.12647129	2.91975063	0.51011395	0.25501336	0.40741133	0.61700565	0.23110958
RelInt SD	0.00034053	0.00021661	0.00009240	0.00019974	0.00126819	0.00799047	0.00041332
Conc Mean	0.46396000[mg/l]	0.99568000[mg/l]	0.99324900[mg/l]	0.96422100[mg/l]	0.99931800[mg/l]	51.45520000[mg/l]	1.02368000[mg/l]
Conc RSD	3.13828778	3.02182428	0.50881702	0.25582413	0.40898593	0.61897534	0.23375567
Conc SD	0.01456040[mg/l]	0.03008770[mg/l]	0.00505382[mg/l]	0.00246671[mg/l]	0.00408707[mg/l]	0.31849500[mg/l]	0.00239291[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	312694	995800	586298	46226.0000000	152759	2931190	239278
Int RSD	0.12694647	2.77908215	0.14305814	1.20127417	1.06083439	0.28433708	0.57787594
Int SD	396.95400000	27674.1000000	838.74700000	555.30100000	1620.52000000	8334.46000000	1382.73000000
RelInt Mean	0.15003100	0.02618710	0.28475400	0.03957350	0.13380400	1.45369000	0.11564300
RelInt RSD	0.52303257	2.86824047	0.31599451	0.07186046	0.07939748	0.23152460	0.63423986
RelInt SD	0.00078471	0.00075111	0.00089981	0.00002844	0.00010624	0.00336565	0.00073345
Conc Mean	0.98416400[mg/l]	0.92983000[mg/l]	1.00200000[mg/l]	57.72770000[mg/l]	50.74330000[mg/l]	1.00690000[mg/l]	0.97080200[mg/l]
Conc RSD	0.52297077	2.88135466	0.31644910	0.07227518	0.07942132	0.23149667	0.63394183
Conc SD	0.00514689[mg/l]	0.02679170[mg/l]	0.00317082[mg/l]	0.04172280[mg/l]	0.04030100[mg/l]	0.00233094[mg/l]	0.00615432[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	393340	253109	74104.0000000	46521.8000000	37128.7000000	475835	951758
Int RSD	0.99735343	0.31612941	0.26505722	0.25463976	0.35354860	0.13941324	0.70492289
Int SD	3922.99000000	800.15200000	196.41800000	118.46300000	131.26800000	663.37700000	6709.16000000
RelInt Mean	0.36231900	0.11990800	0.03086390	0.01917200	0.01541810	0.23433600	0.91540000
RelInt RSD	0.54648528	0.58943690	0.59031749	0.37641300	0.78641337	0.28935887	0.58458160
RelInt SD	0.00198002	0.00070678	0.00018219	0.00007217	0.00012125	0.00067807	0.00535126
Conc Mean	50.24830000[mg/l]	1.01186000[mg/l]	1.03573000[mg/l]	1.02981000[mg/l]	1.02085000[mg/l]	4.95372000[mg/l]	1.03645000[mg/l]
Conc RSD	0.54596673	0.58996205	0.58809053	0.37618590	0.78625263	0.28936638	0.58502388
Conc SD	0.27433900[mg/l]	0.00596959[mg/l]	0.00609103[mg/l]	0.00387400[mg/l]	0.00802646[mg/l]	0.01433440[mg/l]	0.00606348[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	3405190	33801.8000000	206261	2020750	35520100	1038300	644116
Int RSD	2.43225194	0.38947038	2.81512259	0.41478411	0.70155771	1.10267745	0.14194679
Int SD	82822.8000000	131.64800000	5806.50000000	8381.75000000	249194	11449.1000000	914.30200000
RelInt Mean	0.09376000	0.01394110	0.00528506	---	---	---	0.31716600
RelInt RSD	2.40748720	0.03045233	3.03939785	---	---	---	0.29924424
RelInt SD	0.00225726	0.00000425	0.00016063	---	---	---	0.00094910
Conc Mean	0.94051400[mg/l]	1.03303000[mg/l]	0.93587600[mg/l]	2006340	35413500	1024640	1.09441000[mg/l]
Conc RSD	2.40759840	0.02418129	3.07800392	---	---	---	0.29973502
Conc SD	0.02264380[mg/l]	0.00024980[mg/l]	0.02880630[mg/l]	8420.05000000	249516	11296.0000000	0.00328033[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	424787	71151.4000000	669401	369501	541674	137086	
Int RSD	1.09079609	0.55215920	0.20077203	0.20279539	0.30785676	0.58022118	
Int SD	4633.56000000	392.86900000	1343.97000000	749.33100000	1667.58000000	795.40200000	
RelInt Mean	0.40774100	0.04894380	0.32727000	0.18083600	0.26391700	0.06448810	
RelInt RSD	0.09873792	1.30599586	0.44281786	0.36106472	0.69636666	0.27521357	
RelInt SD	0.00040260	0.00063920	0.00144921	0.00065294	0.00183783	0.00017748	
Conc Mean	0.98954900[mg/l]	0.95080300[mg/l]	5.45949000[mg/l]	5.22073000[mg/l]	0.99444700[mg/l]	5.27889000[mg/l]	
Conc RSD	0.09877449	1.31229077	0.44592077	0.36129622	0.69808346	0.27439860	
Conc SD	0.00097742[mg/l]	0.01247730[mg/l]	0.02434500[mg/l]	0.01886230[mg/l]	0.00694207[mg/l]	0.01448520[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887182	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 20:36
Caldate: 19-JAN-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	39704000	37119100	-6.51
Yttrium	A	2100560	2091530	-0.43
Yttrium	R	1248250	1056300	-15.38

Sample Name: CCB,1					Sample Type: Control Sample		
Measure Date: 2024-01-19 20:36:38			Recalculation Date:		State: Checked		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	74857.2000000	14334.8000000	5407.54000000	11781.7000000	11550.1000000	10533.9000000	10981.4000000
Int RSD	0.51438873	2.66645506	0.92136535	0.77919570	0.64357798	2.28006721	0.37970751
Int SD	385.05700000	382.23100000	49.82320000	91.80250000	74.33390000	240.18000000	41.69720000
RelInt Mean	0.00003835	0.00027434	-0.00005345	0.00036110	0.00000835	0.00340259	-0.00000912
RelInt RSD	8.42633757	56.51641406	40.16415526	11.73328238	565.29298711	1.31505412	403.51033050
RelInt SD	0.00000323	0.00015505	0.00002147	0.00004237	0.00004721	0.00004475	0.00003679
Conc Mean	<0.00011694[mg/l]	<0.00328600[mg/l]	<-0.00007901[mg/l]	<0.00147692[mg/l]	<-0.00027787[mg/l]	<-0.01098530[mg/l]	<-0.00006254[mg/l]
Conc RSD	118.16463707	655.40779063	1486.96315815	35.42439672	54.25594703	16.23105423	337.53309712
Conc SD	0.00013818[mg/l]	0.02153670[mg/l]	0.00117486[mg/l]	0.00052319[mg/l]	0.00015076[mg/l]	0.00178303[mg/l]	0.00021110[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	10868.8000000	69770.2000000	17994.7000000	5907.18000000	15727.3000000	13923.2000000	8807.35000000
Int RSD	0.42968589	0.49383261	2.90519986	3.97766786	2.79211308	0.23165436	4.92366035
Int SD	46.70170000	344.54800000	522.78200000	234.96800000	439.12400000	32.25370000	433.64400000
RelInt Mean	-0.00000850	0.00012779	0.00178296	0.00026445	0.00060854	0.00009784	0.00091842
RelInt RSD	289.69142836	2.91746809	12.36387805	64.57764534	7.25189962	59.28488052	22.46750956
RelInt SD	0.00002464	0.00000373	0.00022044	0.00017077	0.00004413	0.00005800	0.00020635
Conc Mean	<0.00011948[mg/l]	<0.00028732[mg/l]	0.00521000[mg/l]	<0.07795490[mg/l]	<0.03672050[mg/l]	<-0.00010556[mg/l]	0.00770879[mg/l]
Conc RSD	135.27368597	46.28851053	14.90447217	321.27807232	45.75237265	38.06500507	22.47084173
Conc SD	0.00016163[mg/l]	0.00013300[mg/l]	0.00077652[mg/l]	0.25045200[mg/l]	0.01680050[mg/l]	0.00004018[mg/l]	0.00173223[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	21070.7000000	11714.3000000	11437.6000000	7735.04000000	5973.85000000	5905.76000000	13808.3000000
Int RSD	2.26151955	0.83416423	1.51627090	0.52736120	0.22266378	2.10951681	2.19789547
Int SD	476.51800000	97.71650000	173.42500000	40.79160000	13.30160000	124.58300000	303.49200000
RelInt Mean	-0.00026705	-0.00005848	-0.00014168	0.00004479	0.00003522	0.00028357	0.00021451
RelInt RSD	26.34322797	59.98515676	65.38767213	31.12094066	37.34801234	20.54360859	27.28166519
RelInt SD	0.00007035	0.00003508	0.00009264	0.00001394	0.00001316	0.00005826	0.00005852
Conc Mean	<0.00433978[mg/l]	<-0.00128477[mg/l]	<-0.00098136[mg/l]	<0.00183964[mg/l]	<0.00246972[mg/l]	0.00521009[mg/l]	<-0.00056701[mg/l]
Conc RSD	224.62659397	23.05790141	316.33039863	40.89745820	35.26496931	23.64009067	11.69509072
Conc SD	0.00974830[mg/l]	0.00029624[mg/l]	0.00310434[mg/l]	0.00075237[mg/l]	0.00087095[mg/l]	0.00123167[mg/l]	0.00006631[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	100429	5313.72000000	20761.4000000	2091530	37119100	1056300	9271.51000000
Int RSD	0.83136743	0.29272901	1.77217336	0.43099836	1.54073779	0.96994225	0.97894841
Int SD	834.93400000	15.55480000	367.92800000	9014.46000000	571908	10245.5000000	90.76330000
RelInt Mean	0.00060047	-0.00003177	0.00007139	---	---	---	0.00099939
RelInt RSD	2.65956561	12.54801972	5.88941321	---	---	---	3.81464167
RelInt SD	0.00001597	0.00000399	0.00000420	---	---	---	0.00003812
Conc Mean	0.00598181[mg/l]	<-0.00044111[mg/l]	<0.00126754[mg/l]	2077670	37014100	1042540	0.00200171[mg/l]
Conc RSD	2.67813588	66.15719089	59.50478880	---	---	---	6.58057361
Conc SD	0.00016020[mg/l]	0.00029182[mg/l]	0.00075425[mg/l]	9039.32000000	571257	9916.45000000	0.00013172[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6070.75000000	21158.7000000	13494.0000000	6348.14000000	11142.2000000	6993.14000000	
Int RSD	3.19151670	1.45346831	1.41964577	0.75953429	1.08141121	0.73933026	
Int SD	193.74900000	307.53500000	191.56700000	48.21630000	120.49300000	51.70240000	
RelInt Mean	-0.00025646	0.00012894	0.00102420	0.00016252	0.00007939	-0.00012889	
RelInt RSD	2.08913845	143.97729124	10.39113454	16.03037183	40.48244912	22.60412141	
RelInt SD	0.00000536	0.00018564	0.00010643	0.00002605	0.00003214	0.00002913	
Conc Mean	<-0.00029102[mg/l]	<-0.00212154[mg/l]	<0.00311773[mg/l]	<0.00026937[mg/l]	<0.00019276[mg/l]	<0.00380234[mg/l]	
Conc RSD	4.46657755	170.81553966	56.80190395	279.45391098	63.34042332	62.55121846	
Conc SD	0.00001300[mg/l]	0.00362392[mg/l]	0.00177093[mg/l]	0.00075276[mg/l]	0.00012209[mg/l]	0.00237841[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887193	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 21:12
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0310	1.000	1.042	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	36259800	-8.67
Yttrium	A	2100560	2039060	-2.93
Yttrium	R	1248250	1032860	-17.26

Sample Name: CCV,S19811 Sample Type: Control Sample

Measure Date: 2024-01-19 21:12:33 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	467380	26277.3000000	42961.4000000	170137	645075	1349780	375403
Int RSD	2.52034747	0.77092015	0.37661482	0.39136226	0.44685192	0.61590704	0.22008109
Int SD	11779.6000000	202.57700000	161.79900000	665.85200000	2882.53000000	8313.39000000	826.19100000
RelInt Mean	0.01082950	0.00737508	0.01826380	0.07828890	0.31251400	1.31666000	0.17955100
RelInt RSD	4.26956923	1.55001708	0.61880879	0.55269010	0.34955234	0.87317151	0.04378784
RelInt SD	0.00046237	0.00011432	0.00011302	0.00043270	0.00109240	0.01149670	0.00007862
Conc Mean	0.46129800[mg/l]	0.98961700[mg/l]	1.00146000[mg/l]	0.96376600[mg/l]	1.00330000[mg/l]	52.31670000[mg/l]	1.02774000[mg/l]
Conc RSD	4.28579790	1.60469151	0.61744653	0.55433788	0.34884083	0.87552541	0.03799716
Conc SD	0.01977030[mg/l]	0.01588030[mg/l]	0.00618348[mg/l]	0.00534252[mg/l]	0.00349992[mg/l]	0.45804600[mg/l]	0.00039051[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	316403	1009270	599287	46796.7000000	153577	2963050	241360
Int RSD	0.09161892	2.77074519	0.18879602	1.32607214	0.33325498	0.16159025	0.65057176
Int SD	289.88500000	27964.3000000	1131.43000000	620.55800000	511.80300000	4788.00000000	1570.22000000
RelInt Mean	0.15043400	0.02600900	0.28850000	0.04019520	0.13498400	1.45629000	0.11557200
RelInt RSD	0.18045322	4.16036757	0.08528873	0.95913194	0.15299887	0.17705196	0.58426609
RelInt SD	0.00027146	0.00108207	0.00024606	0.00038553	0.00020652	0.00257839	0.00067525
Conc Mean	0.98681000[mg/l]	0.92347600[mg/l]	1.01519000[mg/l]	58.63950000[mg/l]	51.19250000[mg/l]	1.00870000[mg/l]	0.97020000[mg/l]
Conc RSD	0.18070044	4.17970797	0.08550173	0.96419649	0.15370455	0.17708833	0.58423830
Conc SD	0.00178317[mg/l]	0.03859860[mg/l]	0.00086801[mg/l]	0.56540000[mg/l]	0.07868520[mg/l]	0.00178629[mg/l]	0.00566828[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	391454	256383	75263.6000000	47004.8000000	37388.3000000	481769	955541
Int RSD	0.19938511	0.19835285	0.07846104	0.52765888	0.26106857	0.22766928	0.62264832
Int SD	780.50100000	508.54300000	59.05260000	248.02500000	97.60910000	1096.84000000	5949.66000000
RelInt Mean	0.36190300	0.12033200	0.03103650	0.01917180	0.01536590	0.23511000	0.92393400
RelInt RSD	0.17477860	0.27691886	0.24484784	0.81126968	0.44733273	0.09998596	0.88406748
RelInt SD	0.00063253	0.00033322	0.00007599	0.00015554	0.00006874	0.00023508	0.00816820
Conc Mean	50.19060000[mg/l]	1.01545000[mg/l]	1.04150000[mg/l]	1.02978000[mg/l]	1.01740000[mg/l]	4.97008000[mg/l]	1.04612000[mg/l]
Conc RSD	0.17464127	0.27733911	0.24424580	0.81552176	0.44701003	0.10003219	0.88489083
Conc SD	0.08765350[mg/l]	0.00281624[mg/l]	0.00254382[mg/l]	0.00839808[mg/l]	0.00454788[mg/l]	0.00497168[mg/l]	0.00925702[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	3482210	34368.2000000	209559	2039060	36259800	1032860	655578
Int RSD	2.46369403	0.08341316	2.53537190	0.21839818	1.44631520	0.34899406	0.05670447
Int SD	85791.0000000	28.66760000	5313.10000000	4453.27000000	524431	3604.62000000	371.74200000
RelInt Mean	0.09395700	0.01409910	0.00525500	---	---	---	0.31993200
RelInt RSD	3.70736614	0.21804938	3.89421503	---	---	---	0.20940012
RelInt SD	0.00348333	0.00003074	0.00020464	---	---	---	0.00066994
Conc Mean	0.94249100[mg/l]	1.04476000[mg/l]	0.93048500[mg/l]	2024540	36151700	1018810	1.10398000[mg/l]
Conc RSD	3.70751551	0.21419848	3.94385724	---	---	---	0.20963514
Conc SD	0.03494300[mg/l]	0.00223786[mg/l]	0.03669700[mg/l]	4479.10000000	523765	3404.23000000	0.00231433[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	423486	71503.6000000	676397	373867	548748	138952	
Int RSD	0.43151840	0.84371976	0.45608570	0.09983443	0.21027503	0.22147000	
Int SD	1827.42000000	603.29000000	3084.95000000	373.24800000	1153.88000000	307.73700000	
RelInt Mean	0.40857800	0.04901450	0.32774000	0.18132200	0.26494300	0.06478500	
RelInt RSD	0.26099056	0.55158780	0.40254165	0.23020317	0.24270843	0.37687891	
RelInt SD	0.00106635	0.00027036	0.00131929	0.00041741	0.00064304	0.00024416	
Conc Mean	0.99157700[mg/l]	0.95218200[mg/l]	5.46740000[mg/l]	5.23476000[mg/l]	0.99829800[mg/l]	5.30313000[mg/l]	
Conc RSD	0.26094191	0.55430684	0.40284962	0.23013663	0.24148801	0.37579128	
Conc SD	0.00258744[mg/l]	0.00527801[mg/l]	0.02202540[mg/l]	0.01204710[mg/l]	0.00241077[mg/l]	0.01992870[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887194	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 21:15
Caldate: 19-JAN-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	39704000	37501700	-5.55
Yttrium	A	2100560	2114350	0.66
Yttrium	R	1248250	1056770	-15.34

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2024-01-19 21:15:47			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	75801.8000000	14256.0000000	5494.98000000	11781.4000000	11834.6000000	10504.9000000	11358.8000000
Int RSD	0.80414713	1.39927750	0.14972739	0.67711987	0.09089027	2.00320803	0.30505071
Int SD	609.55800000	199.48100000	8.22749000	79.77420000	10.75650000	210.43500000	34.65010000
RelInt Mean	0.00004141	0.00022236	-0.00003540	0.00028238	0.00003990	0.00335388	0.00008779
RelInt RSD	11.37180271	68.81037615	34.13916910	13.30907507	26.87816578	6.16342863	25.10618523
RelInt SD	0.00000471	0.00015300	0.00001209	0.00003758	0.00001072	0.00020671	0.00002204
Conc Mean	<0.00001368[mg/l]	<0.00393463[mg/l]	<0.00090870[mg/l]	<0.00050481[mg/l]	<0.00017541[mg/l]	<0.01292630[mg/l]	<0.00049359[mg/l]
Conc RSD	1471.46354833	540.15498281	72.77911485	91.93234629	16.02721608	63.72086367	25.53810060
Conc SD	0.00020133[mg/l]	0.02125310[mg/l]	0.00066135[mg/l]	0.00046408[mg/l]	0.00002811[mg/l]	0.00823675[mg/l]	0.00012605[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	11035.6000000	70671.5000000	20999.7000000	5864.09000000	15751.4000000	14377.5000000	8890.08000000
Int RSD	0.47268658	0.78253752	4.03675291	2.96990667	1.91263634	0.78572074	4.82906790
Int SD	52.16380000	553.03100000	847.70600000	174.15800000	301.26700000	112.96700000	429.30800000
RelInt Mean	-0.00000269	0.00012971	0.00304768	0.00023921	0.00060735	0.00021804	0.00089273
RelInt RSD	1074.29098730	3.10572490	13.78960390	33.24323194	19.18942282	41.24706476	23.50890635
RelInt SD	0.00002887	0.00000403	0.00042026	0.00007952	0.00011655	0.00008994	0.00020987
Conc Mean	<0.00008132[mg/l]	<0.00035587[mg/l]	0.00966506[mg/l]	<0.04094730[mg/l]	<0.03626400[mg/l]	<0.00002229[mg/l]	0.00749314[mg/l]
Conc RSD	232.91661953	40.37806047	15.31733895	284.81731396	122.34805868	279.56000664	23.51283974
Conc SD	0.00018940[mg/l]	0.00014369[mg/l]	0.00148043[mg/l]	0.11662500[mg/l]	0.04436830[mg/l]	0.00006230[mg/l]	0.00176185[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	21124.1000000	11932.6000000	11686.8000000	7897.58000000	6060.94000000	5963.04000000	13957.2000000
Int RSD	1.18948500	0.50672444	1.53951467	0.26936099	0.88170482	1.06081294	1.79712263
Int SD	251.26800000	60.46540000	179.92000000	21.27300000	53.43960000	63.25670000	250.82800000
RelInt Mean	-0.00018371	-0.00006489	-0.00012641	0.00006369	0.00001629	0.00026502	0.00041505
RelInt RSD	41.74840782	39.44404036	46.25555714	10.04170311	210.53700998	15.45490563	16.54793398
RelInt SD	0.00007670	0.00002560	0.00005847	0.00000640	0.00003430	0.00004096	0.00006868
Conc Mean	<0.01588790[mg/l]	<0.00133895[mg/l]	<0.00046907[mg/l]	0.00286102[mg/l]	<0.00121619[mg/l]	0.00481799[mg/l]	<0.00033977[mg/l]
Conc RSD	66.89241498	16.14436685	418.17604271	12.10963223	186.69286871	17.97388538	22.90512461
Conc SD	0.01062780[mg/l]	0.00021616[mg/l]	0.00196153[mg/l]	0.00034646[mg/l]	0.00227054[mg/l]	0.00086598[mg/l]	0.00007783[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	100509	5407.57000000	21081.7000000	2114350	37501700	1056770	9282.69000000
Int RSD	0.64362395	0.55409731	0.26540317	0.45292454	1.46417896	0.45838640	0.96557032
Int SD	646.90000000	29.96320000	55.95150000	9576.41000000	549092	4844.09000000	89.63090000
RelInt Mean	0.00056949	-0.00003042	0.00007057	---	---	---	0.00092753
RelInt RSD	3.23733516	31.87118087	4.95548310	---	---	---	6.48819663
RelInt SD	0.00001844	0.00000970	0.00000350	---	---	---	0.00006018
Conc Mean	0.00567100[mg/l]	<0.00033974[mg/l]	<0.00111969[mg/l]	2100340	37395500	1043020	0.00175328[mg/l]
Conc RSD	3.26120614	213.50848585	56.04881708	---	---	---	11.86336467
Conc SD	0.00018494[mg/l]	0.00072538[mg/l]	0.00062757[mg/l]	9534.69000000	548568	4937.57000000	0.00020800[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6112.48000000	21190.9000000	13787.1000000	6563.14000000	11328.8000000	7064.76000000	
Int RSD	2.63171413	1.11503523	1.46282394	1.17062717	0.83138373	0.77311897	
Int SD	160.86300000	236.28600000	201.68100000	76.82990000	94.18580000	54.61900000	
RelInt Mean	-0.00019924	0.00015493	0.00106137	0.00021501	0.00007311	-0.00014469	
RelInt RSD	68.02702309	62.69321629	13.34105920	22.29723130	41.06027841	15.16507820	
RelInt SD	0.00013554	0.00009713	0.00014160	0.00004794	0.00003002	0.00002194	
Conc Mean	<0.00015220[mg/l]	<0.00161414[mg/l]	<0.00374674[mg/l]	<0.00178610[mg/l]	<0.00016539[mg/l]	<0.00251244[mg/l]	
Conc RSD	216.04391561	117.46812544	63.01451395	77.55668776	68.90073945	71.29722501	
Conc SD	0.00032882[mg/l]	0.00189610[mg/l]	0.00236099[mg/l]	0.00138524[mg/l]	0.00011396[mg/l]	0.00179130[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887205	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 21:51
Caldate: 19-JAN-2024	

Standards: S19811, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0238	0.0309	1.000	1.036	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	39704000	34420500	-13.31
Yttrium	A	2100560	1974770	-5.99
Yttrium	R	1248250	989888	-20.70

Sample Name: CCV,S19811				Sample Type: Control Sample			
Measure Date: 2024-01-19 21:51:36			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	451627	25406.4000000	41733.1000000	165036	622204	1287340	363711
Int RSD	3.24163524	1.33192424	0.12470653	0.49374985	0.63724759	0.66337642	0.42777095
Int SD	14640.1000000	338.39400000	52.04390000	814.86500000	3964.98000000	8539.91000000	1555.85000000
RelInt Mean	0.01096000	0.00723883	0.01825950	0.07816900	0.31104800	1.31034000	0.17941900
RelInt RSD	5.40412409	6.22481810	0.38581013	0.30546124	0.43338970	0.41997497	0.28377987
RelInt SD	0.00059229	0.00045060	0.00007045	0.00023878	0.00134805	0.00550310	0.00050916
Conc Mean	0.46687700[mg/l]	0.97069100[mg/l]	1.00123000[mg/l]	0.96228500[mg/l]	0.99856900[mg/l]	52.06500000[mg/l]	1.02696000[mg/l]
Conc RSD	5.42427663	6.44841664	0.38510932	0.30644975	0.43577359	0.42105637	0.29097336
Conc SD	0.02532470[mg/l]	0.06259420[mg/l]	0.00385583[mg/l]	0.00294892[mg/l]	0.00435150[mg/l]	0.21922300[mg/l]	0.00298818[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	305926	971413	573755	44686.6000000	147252	2872650	234056
Int RSD	0.32332100	3.37074962	0.53159798	0.47632176	0.29731277	0.26853219	0.58433879
Int SD	989.12300000	32743.9000000	3050.07000000	212.85200000	437.79900000	7713.99000000	1367.68000000
RelInt Mean	0.14999100	0.02630620	0.28485600	0.03984220	0.13469000	1.45787000	0.11562800
RelInt RSD	0.11639765	5.02299838	0.30738689	0.73688200	0.40033856	0.04816362	0.47336285
RelInt SD	0.00017459	0.00132136	0.00087561	0.00029359	0.00053922	0.00070216	0.00054734
Conc Mean	0.98389700[mg/l]	0.93407800[mg/l]	1.00236000[mg/l]	58.12180000[mg/l]	51.08060000[mg/l]	1.00979000[mg/l]	0.97067300[mg/l]
Conc RSD	0.11648272	5.04610964	0.30772577	0.74084079	0.40178463	0.04796938	0.47313050
Conc SD	0.00114607[mg/l]	0.04713460[mg/l]	0.00308452[mg/l]	0.43059000[mg/l]	0.20523400[mg/l]	0.00048439[mg/l]	0.00459255[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	379143	248645	73058.5000000	45603.4000000	36703.9000000	467381	916085
Int RSD	0.43423458	0.42860303	0.36777788	0.11298368	0.71121325	0.58894777	0.22167266
Int SD	1646.37000000	1065.70000000	268.69300000	51.52440000	261.04300000	2752.63000000	2030.71000000
RelInt Mean	0.36563700	0.12028500	0.03086910	0.01908720	0.01550830	0.23550000	0.92409000
RelInt RSD	0.22111876	0.40275845	0.62042301	0.21857004	0.64718892	0.35507261	0.09209763
RelInt SD	0.00080849	0.00048446	0.00019152	0.00004172	0.00010037	0.00083620	0.00085107
Conc Mean	50.70800000[mg/l]	1.01505000[mg/l]	1.03591000[mg/l]	1.02522000[mg/l]	1.02682000[mg/l]	4.97832000[mg/l]	1.04629000[mg/l]
Conc RSD	0.22100458	0.40288853	0.61978550	0.22033027	0.64701603	0.35527246	0.09207744
Conc SD	0.11206700[mg/l]	0.00408952[mg/l]	0.00642042[mg/l]	0.00225887[mg/l]	0.00664369[mg/l]	0.01768660[mg/l]	0.00096340[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	3353490	33246.2000000	201811	1974770	34420500	989888	632447
Int RSD	3.10509350	0.34862330	3.09779447	0.26203051	1.44322134	0.26184882	0.34153850
Int SD	104129	115.90400000	6251.69000000	5174.50000000	496764	2592.01000000	2160.05000000
RelInt Mean	0.09525890	0.01396070	0.00531084	---	---	---	0.31863800
RelInt RSD	4.60345438	0.31188622	4.74294085	---	---	---	0.18852962
RelInt SD	0.00438520	0.00004354	0.00025189	---	---	---	0.00060073
Conc Mean	0.95555000[mg/l]	1.03445000[mg/l]	0.94050000[mg/l]	1960130	34313100	976250	1.09951000[mg/l]
Conc RSD	4.60362095	0.32414906	4.80280702	---	---	---	0.18907059
Conc SD	0.04398990[mg/l]	0.00335316[mg/l]	0.04517040[mg/l]	5243.98000000	496624	2488.41000000	0.00207885[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	406569	69035.0000000	656364	361478	529233	135217	
Int RSD	0.12443497	0.48899689	0.67341292	0.35356509	0.52661304	0.60091926	
Int SD	505.91400000	337.57900000	4420.04000000	1278.06000000	2787.01000000	812.54500000	
RelInt Mean	0.40917100	0.04904720	0.32819800	0.18094500	0.26366900	0.06500420	
RelInt RSD	0.20782802	0.88543892	0.42794289	0.11805908	0.35194771	0.47688611	
RelInt SD	0.00085037	0.00043428	0.00140450	0.00021362	0.00092798	0.00031000	
Conc Mean	0.99301700[mg/l]	0.95282200[mg/l]	5.47508000[mg/l]	5.22388000[mg/l]	0.99348000[mg/l]	5.32103000[mg/l]	
Conc RSD	0.20772555	0.88971602	0.43062019	0.11827971	0.35425273	0.47565227	
Conc SD	0.00206275[mg/l]	0.00847741[mg/l]	0.02357680[mg/l]	0.00617879[mg/l]	0.00351943[mg/l]	0.02530960[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 500180 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 484027887206	File: met06_master011
Cal: 484027887001	Time: 19-JAN-2024 21:54
Caldate: 19-JAN-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	39704000	36307600	-8.55
Yttrium	A	2100560	2059050	-1.98
Yttrium	R	1248250	1006900	-19.34

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2024-01-19 21:54:50			Recalculation Date:		State: Checked		Quality:
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	75341.8000000	14306.7000000	5424.95000000	11994.6000000	11718.9000000	10362.3000000	11303.6000000
Int RSD	0.84093956	1.12575227	0.30637517	1.02858786	0.61264282	1.58550708	0.99490428
Int SD	633.57900000	161.05800000	16.62070000	123.37500000	71.79500000	164.29500000	112.46000000
RelInt Mean	0.00003974	0.00020309	-0.00005734	0.00040528	0.00003024	0.00343695	0.00008190
RelInt RSD	10.82286220	98.02452115	41.35699337	14.68891954	109.88506888	3.33408982	46.61689021
RelInt SD	0.00000430	0.00019908	0.00002371	0.00005953	0.00003322	0.00011459	0.00003818
Conc Mean	<0.00005738[mg/l]	<0.00661075[mg/l]	<-0.00029193[mg/l]	0.00202247[mg/l]	<-0.00020670[mg/l]	<-0.00961622[mg/l]	<0.00045998[mg/l]
Conc RSD	320.55869369	418.30200809	444.50343920	36.34763433	52.05906258	47.48206676	47.51271794
Conc SD	0.00018393[mg/l]	0.02765290[mg/l]	0.00129763[mg/l]	0.00073512[mg/l]	0.00010760[mg/l]	0.00456598[mg/l]	0.00021855[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	11038.3000000	70070.5000000	17572.1000000	5870.08000000	15740.9000000	14130.0000000	8794.42000000
Int RSD	0.10527165	0.38297286	3.44514315	3.13798108	0.65641101	0.17357113	4.80456926
Int SD	11.62020000	268.35100000	605.38400000	184.20200000	103.32500000	24.52560000	422.53400000
RelInt Mean	-0.00000891	0.00013097	0.00147227	0.00023706	0.00065804	0.00013407	0.00089734
RelInt RSD	408.23487957	4.33733173	17.28480510	35.65603091	16.44963292	24.76557022	22.27554012
RelInt SD	0.00003638	0.00000568	0.00025448	0.00008453	0.00010824	0.00003320	0.00019989
Conc Mean	<0.00012215[mg/l]	<0.00040062[mg/l]	0.00411559[mg/l]	<0.03779490[mg/l]	<0.05556290[mg/l]	<-0.00008046[mg/l]	0.00753182[mg/l]
Conc RSD	195.37770064	50.57935490	21.78117840	327.99398861	74.16423549	28.58865114	22.27881176
Conc SD	0.00023865[mg/l]	0.00020263[mg/l]	0.00089642[mg/l]	0.12396500[mg/l]	0.04120780[mg/l]	0.00002300[mg/l]	0.00167800[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	22188.7000000	11757.6000000	11560.4000000	7735.97000000	6036.18000000	5907.58000000	13750.90000000
Int RSD	1.09215502	0.61796200	1.23084841	0.11033484	0.68407503	2.04471205	1.74222051
Int SD	242.33500000	72.65750000	142.29100000	8.53547000	41.29200000	120.79300000	239.57100000
RelInt Mean	0.00088484	-0.00008900	-0.00014018	0.00000526	0.00002688	0.00026252	0.00019665
RelInt RSD	10.60524005	26.65062223	8.86536308	117.46412257	62.44550419	20.01679859	69.32081689
RelInt SD	0.00009384	0.00002372	0.00001243	0.00000617	0.00001679	0.00005255	0.00013632
Conc Mean	0.16395800[mg/l]	<-0.00154256[mg/l]	<-0.00092840[mg/l]	<-0.00029674[mg/l]	<0.00191745[mg/l]	0.00476512[mg/l]	<-0.00058725[mg/l]
Conc RSD	7.93093353	12.98613992	45.54103835	111.99134593	57.95926882	23.31567725	26.30324208
Conc SD	0.01300340[mg/l]	0.00020032[mg/l]	0.00042280[mg/l]	0.00033232[mg/l]	0.00111134[mg/l]	0.00111102[mg/l]	0.00015447[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	98961.8000000	5355.11000000	21123.0000000	2059050	36307600	1006900	7820.09000000
Int RSD	0.30560580	0.30950811	0.55923401	0.46275613	0.91870848	0.83664316	0.55622889
Int SD	302.43300000	16.57450000	118.12700000	9528.38000000	333561	8424.16000000	43.49760000
RelInt Mean	0.00055843	-0.00002676	0.00007412	---	---	---	0.00027378
RelInt RSD	3.47949258	4.65953169	3.72360174	---	---	---	13.30945737
RelInt SD	0.00001943	0.00000125	0.00000276	---	---	---	0.00003644
Conc Mean	0.00556008[mg/l]	<-0.00006740[mg/l]	<0.00175728[mg/l]	2044880	36202400	993222	<-0.00050657[mg/l]
Conc RSD	3.50563301	135.41792156	28.16358235	---	---	---	24.84854108
Conc SD	0.00019492[mg/l]	0.00009128[mg/l]	0.00049491[mg/l]	9588.00000000	332877	8432.86000000	0.00012588[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	6046.44000000	21278.7000000	14177.1000000	6440.58000000	11289.5000000	7025.36000000	
Int RSD	2.16128830	1.59554390	2.70529234	1.98850104	0.30809425	0.37581277	
Int SD	130.68100000	339.51100000	383.53200000	128.07100000	34.78230000	26.40220000	
RelInt Mean	-0.00026333	0.00028875	0.00124675	0.00017898	0.00008011	-0.00013011	
RelInt RSD	25.62214239	115.28207792	14.02598757	35.75491253	28.00108854	16.34213075	
RelInt SD	0.00006747	0.00033288	0.00017487	0.00006399	0.00002243	0.00002126	
Conc Mean	<-0.00030770[mg/l]	<0.00099820[mg/l]	0.00685865[mg/l]	<0.00074503[mg/l]	<0.00019623[mg/l]	<0.00370230[mg/l]	
Conc RSD	53.19839715	650.98873269	42.33223739	248.19000577	41.05315191	46.88571969	
Conc SD	0.00016369[mg/l]	0.00649815[mg/l]	0.00290342[mg/l]	0.00184909[mg/l]	0.00008056[mg/l]	0.00173585[mg/l]	



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

enthalpy.com

Lab Job Number: 502314
Report Level: II
Report Date: 02/19/2024

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

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

Lab Job #: 502314
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 02/15/24

Sample ID	Lab ID	Collected	Matrix
ARCH-C13W-DG-5.5 TO 6-240215-L-FB	502314-001	02/15/24 12:00	Wipe
ARCH-C13W-DG-5.5 TO 6-240215-L-DUP-FB	502314-002	02/15/24 12:00	Wipe
ARCH-C12W-EXT-6 TO 7-240215-L-WF	502314-003	02/15/24 12:10	Wipe
ARCH-C13W-PS-6.5-240215-L-G	502314-004	02/15/24 12:20	Wipe
ARCH-C13W-DG-7 TO 7.5-240215-L-FB	502314-005	02/15/24 12:30	Wipe

Case Narrative

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

Lab Job 502314
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 02/15/24

This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 02/16/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

4 of 9

5 of 9

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: 02/16/24 Sampler's Name Present: ☒ Yes ☐ No

Section 2
Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 42 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: Southwest Airlines

Section 3
Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 42 #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
502314

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: Cayle Date: 2/18/24

SOUTHWEST AIRLINES

Printed on:
15 FEB 19:37

526 OAK 9940 **7980** 

SNA				PC#
<i>42</i>				6 OF 7
				DG
				G
				LOT WT
				280 LB
				(126.9 KG)
OAK	WN 2652	16 FEB	07:30	
STN	FLT	DATE	ETD	LOT 01



PC ID: 0006
PC WT: 40LB

526 99407980 0006

S

0

Lead

Lab #: 502314		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C13W-DG-5.5 TO 6-240215-L-FB		Batch#: 333249	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/15/24	Analysis: EPA 6010B
Lab ID: 502314-001		Received: 02/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/16/24	
Diln Fac: 1.000		Analyzed: 02/18/24	
502314-001 Analyte		Result	RL Units
Lead		11	0.50 ug/ft2
Field ID: ARCH-C13W-DG-5.5 TO 6-240215-L-DUP-FB		Batch#: 333249	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/15/24	Analysis: EPA 6010B
Lab ID: 502314-002		Received: 02/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/16/24	
Diln Fac: 1.000		Analyzed: 02/18/24	
502314-002 Analyte		Result	RL Units
Lead		13	0.50 ug/ft2
Field ID: ARCH-C12W-EXT-6 TO 7-240215-L-WF		Batch#: 333249	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/15/24	Analysis: EPA 6010B
Lab ID: 502314-003		Received: 02/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/16/24	
Diln Fac: 1.000		Analyzed: 02/18/24	
502314-003 Analyte		Result	RL Units
Lead		130	0.50 ug/ft2
Field ID: ARCH-C13W-DG-7 TO 7.5-240215-L-FB		Batch#: 333249	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/15/24	Analysis: EPA 6010B
Lab ID: 502314-005		Received: 02/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/16/24	
Diln Fac: 1.000		Analyzed: 02/18/24	
502314-005 Analyte		Result	RL Units
Lead		26	0.50 ug/ft2
Type: BLANK		Batch#: 333249	Analysis: EPA 6010B
Lab ID: QC1128914		Prepared: 02/16/24	Analyst: SBW
Matrix: Wipe		Analyzed: 02/18/24	
Diln Fac: 1.000		Prep: EPA 3050B	
QC1128914 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 502314

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1128915

Matrix: Wipe

Diln Fac: 1.000

Batch#: 333249

Prepared: 02/16/24

Analyzed: 02/18/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1128915 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	55.32	111	80-120	ug/ft2

Type: BSD

Lab ID: QC1128916

Matrix: Wipe

Diln Fac: 1.000

Batch#: 333249

Prepared: 02/16/24

Analyzed: 02/18/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1128916 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.63	109	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: 502493
Report Level: II
Report Date: 02/19/2024

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

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

Lab Job #: 502493
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 02/15/24

Sample ID	Lab ID	Collected	Matrix
ARCH-C12W-PS-5.5-240214-L-G	502493-001	02/14/24 09:35	Wipe
ARCH-C13W-PS-5.5-240214-L-G	502493-002	02/14/24 09:30	Wipe
ARCH-C11W-DG-6 TO 6.5-UP-C11.4-HS-240214-L-LA	502493-003	02/14/24 09:50	Wipe
ARCH-C12W-DG-6 TO 6.5-240214-L-FB	502493-004	02/14/24 10:35	Wipe
ARCH-C12W-DG-6 TO 6.5-DN-C12.3-VS-240214-L-LA	502493-005	02/14/24 10:00	Wipe
ARCH-C12W-PS-6.5-240214-L-G	502493-006	02/14/24 10:45	Wipe
ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240214-L-LA	502493-007	02/14/24 10:55	Wipe
ARCH-C12W-INT-7 TO 7.5-240214-L-WF	502493-008	02/14/24 11:05	Wipe
ARCH-C11W-DG-8 TO 9-UP-C11.1-VS-240214-L-LA	502493-009	02/14/24 11:20	Wipe
ARCH-C13W-EXT-8 TO 9-240214-L-WF	502493-010	02/14/24 11:35	Wipe
ARCH-C12W-INT-7.5 TO 9-240214-L-WF	502493-011	02/14/24 11:30	Wipe
240214-L-FIELDBLANK2-LO	502493-012	02/14/24 09:25	Wipe
240214-L-MEDBLANK2-LO	502493-013	02/14/24 17:43	Wipe
ARCH-C12W-DG-7 TO 7.5-UP-C12.2-DG-240214-L-LA	502493-014	02/14/24 11:00	Wipe

Case Narrative

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

Lab Job 502493
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 02/15/24

This data package contains sample and QC results for fourteen wipe samples, requested for the above referenced project on 02/16/24. 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: 502493				Standard: 5 Day: 1 Day: X (Pb) 3 Day: Custom TAT:			
Page: 1 of 2				Sample Receipt Temp:			
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				Analysis Request			
Quote #:	RIN031721	Proj. Name:	Hangar 1 - NCTRA WP	Lead - EPA Method 3050/6010B			
Proj. #:	20-10491	P.O. #:		HOLD			
Address:	158 Cody Road, Mountain View, CA	Global ID:					
Sampled By:	T. Smoot + avelsh	Container No. / Size					
Sample ID	Sampling Date	Sampling Time	Matrix	Pres.			
1 ARCH-C12W-PS-5-5-240214-L-G	2/14/2024	0935	WP	--	8x Rivet Type 1 = 0.1104 ft ²		
2 ARCH-C13W-PS-5-5-240214-L-G	2/14/2024	0930	WP	--	8x Rivet Type 1 = 0.1104 ft ²		
3 ARCH-C13W-DG-5-5-240214-L-FB	2/14/2024		WP	--	TS		
4 ARCH-C13W-DG-5-5-240214-L-FB	2/14/2024		WP	--	TS		
5 ARCH-C11W-DG-6 TO 6.5-UP-C11 4-HS-240214-L-LA	2/14/2024	0950	WP	--	2x Rivet Type 2 = 0.0200 ft ²		
6 ARCH-C12W-EXT-6 TO 7-240214-L-WF	2/14/2024		WP	--	TS		
7 ARCH-C12W-DG-6 TO 6.5-240214-L-FB	2/14/2024	1035	WP	--	TS		
8 ARCH-C12W-DG-6 TO 6.5-DN-C12 3-VS-240214-L-LA	2/14/2024	1000	WP	--	2x Rivet Type 2 = 0.0200 ft ²		
9 ARCH-C12W-PS-6.5-240214-L-G	2/14/2024	1045	WP	--	TS		
10 ARCH-C13W-PS-6.5-240214-L-G	2/14/2024		WP	--	TS		
11 ARCH-C13W-DG-7 TO 7.5-240214-L-FB	2/14/2024		WP	--	TS		
12 ARCH-C12W-DG-7 TO 7.5-UP-C12 5-DG-240214-L-LA	2/14/2024	1055	WP	--	2x Rivet Type 2 = 0.0200 ft ²		
13 ARCH-C12W-INT-7 TO 7.5-240214-L-WF	2/14/2024	1105	WP	--	TS		
14 ARCH-C11W-DG-8 TO 9-UP-C11 1-VS-240214-L-LA	2/14/2024	1120	WP	--	4x Rivet Type 2 = 0.0400 ft ²		
15 ARCH-C13W-EXT-8 TO 9-240214-L-WF	2/14/2024	1135	WP	--	TS		
CUSTOMER INFORMATION				Company / Title			
Company:	Rincon Consultants, Inc.	Print Name	David Wells	Rincon / Env. Scientist			
Report To:	Lindsay Parker	Signature	Lindsay Parker	2/15/24 1410			
Email:	lparker@rinconconsultants.com		" "	2/15/24 1410			
Address:	449 15th Street, Suite 303		Jade Peterson	2/16/24 1610			
Phone:	Oakland, California 94612		Jade Peterson	2/16/24 1610			
Fax:	(651) 890-9556		Jade Peterson	2/16/24 1818			
				FEB 16 2024 1000			

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
COC ID: 502493		Standard:		5 Day:		3 Day:	
Page: 2 of 2		2 Day:		1 Day:		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 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: (lab use only)			
CUSTOMER INFORMATION				PROJECT INFORMATION			
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721				
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP				
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491				
Address:	449 15th Street, Suite 303	P.O. #:					
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA				
Phone:	(651) 890-9556	Global ID:					
Fax:		Sampled By:	T. Sinnott - D. Welsh				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request	
16 ARCH-C12W-INT-7.5 TO 9-240214-L-WF	2/14/2024	1150	WP	1	--	Lead - EPA Method 3050/6010B	
17 240214-L-FIELDBLANK2-L-O	2/14/2024	0925	WP	1	--	HOLD	
18 240214-L-MEDBLANK2-L-O	2/14/2024	1743	WP	1	--	Wipe samples collected from Zone 6 Enclosure C/D (Low Occupancy)	
19 ARCH-C12W-DG-7 TO 7.5-UP-C12.2-DG-240214-L-L-A	2/14/2024	1100	WP	1	--		
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
Signature	Print Name	Company / Title	Date / Time				
<i>[Signature]</i>	Donald Welsh	Rincon / Env. Scientist	2/15/24 1410				
<i>[Signature]</i>	Audley Hudson	ENTHALPY	2/15/24 1410				
<i>[Signature]</i>	Jade Peterson	ENTHALPY	2/15/24 1640				
<i>[Signature]</i>	Jade Peterson	ENTHALPY	2/15/24 1818				
<i>[Signature]</i>	Gun	GA	FEB 16 2024 1200				

SAMPLE RECEIPT CHECKLIST

ENTHALPY
INCORPORATED

Section 1: General Info
Date Received: 2/15/24 Login # 502493 Client: Rancon

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 2.15.24 By (print) Jade 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: 3.4 #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 2/15/24 By (print) m (sign) [Signature]
Date Labeled 2.15.24 By (print) Jade 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 NTCRA
Date Received: 02/16/24 Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 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: Southwest Airlines

Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 4.2 #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

502493

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: _____

FEB 16 2024

SOUTHWEST AIRLINES

Printed on:
16 FEB 19:37

526 OAK 9940 7980 

SNA		PC#
<i>42</i>		6 OF 7
		DG
		G
		LOT WT
		280 LB
		(126.9 KG)
OAK	WN 2652	16 FEB
		07:30
STN	FLT	DATE
		ETD
LOT 01		



PC ID: 0006
PC WT: 40LB

526 99407980 0006

S

0

Lead

Lab #: 502493		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C12W-PS-5.5-240214-L-G	Batch#: 333242	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 02/14/24	Analysis: EPA 6010B	
Lab ID: 502493-001	Received: 02/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 02/16/24		
Diln Fac: 1.000	Analyzed: 02/16/24		
502493-001 Analyte		Result	RL Units
Lead		280	0.50 ug/ft2
Field ID: ARCH-C13W-PS-5.5-240214-L-G	Batch#: 333242	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 02/14/24	Analysis: EPA 6010B	
Lab ID: 502493-002	Received: 02/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 02/16/24		
Diln Fac: 1.000	Analyzed: 02/16/24		
502493-002 Analyte		Result	RL Units
Lead		380	0.50 ug/ft2
Field ID: ARCH-C11W-DG-6 TO 6.5-UP-C11.4-HS-240214-L-LA	Batch#: 333242	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 02/14/24	Analysis: EPA 6010B	
Lab ID: 502493-003	Received: 02/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 02/16/24		
Diln Fac: 1.000	Analyzed: 02/16/24		
502493-003 Analyte		Result	RL Units
Lead		72	0.50 ug/ft2
Field ID: ARCH-C12W-DG-6 TO 6.5-240214-L-FB	Batch#: 333242	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 02/14/24	Analysis: EPA 6010B	
Lab ID: 502493-004	Received: 02/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 02/16/24		
Diln Fac: 1.000	Analyzed: 02/16/24		
502493-004 Analyte		Result	RL Units
Lead		120	0.50 ug/ft2
Field ID: ARCH-C12W-DG-6 TO 6.5-DN-C12.3-VS-240214-L-LA	Batch#: 333242	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 02/14/24	Analysis: EPA 6010B	
Lab ID: 502493-005	Received: 02/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 02/16/24		
Diln Fac: 1.000	Analyzed: 02/16/24		
502493-005 Analyte		Result	RL Units
Lead		100	0.50 ug/ft2

Lead

Lab #: 502493		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C12W-PS-6.5-240214-L-G	Batch#: 333242	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 02/14/24	Analysis: EPA 6010B	
Lab ID: 502493-006	Received: 02/15/24	Analyst: SBW	
Matrix: Wipe	Prepared: 02/16/24		
Diln Fac: 1.000	Analyzed: 02/16/24		
502493-006 Analyte		Result	RL Units
Lead		270	0.50 ug/ft2
Field ID: ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240214-L-LA		Batch#: 333242	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/14/24	Analysis: EPA 6010B
Lab ID: 502493-007		Received: 02/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/16/24	
Diln Fac: 1.000		Analyzed: 02/16/24	
502493-007 Analyte		Result	RL Units
Lead		130	0.50 ug/ft2
Field ID: ARCH-C12W-INT-7 TO 7.5-240214-L-WF		Batch#: 333242	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/14/24	Analysis: EPA 6010B
Lab ID: 502493-008		Received: 02/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/16/24	
Diln Fac: 1.000		Analyzed: 02/16/24	
502493-008 Analyte		Result	RL Units
Lead		15	0.50 ug/ft2
Field ID: ARCH-C11W-DG-8 TO 9-UP-C11.1-VS-240214-L-LA		Batch#: 333242	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/14/24	Analysis: EPA 6010B
Lab ID: 502493-009		Received: 02/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/16/24	
Diln Fac: 1.000		Analyzed: 02/16/24	
502493-009 Analyte		Result	RL Units
Lead		73	0.50 ug/ft2
Field ID: ARCH-C13W-EXT-8 TO 9-240214-L-WF		Batch#: 333242	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/14/24	Analysis: EPA 6010B
Lab ID: 502493-010		Received: 02/15/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/16/24	
Diln Fac: 1.000		Analyzed: 02/16/24	
502493-010 Analyte		Result	RL Units
Lead		30	0.50 ug/ft2

Lead

Lab #: 502493	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C12W-INT-7.5 TO 9-240214-L-WF	Batch#: 333242	Prep: EPA 3050B
Type: SAMPLE	Sampled: 02/14/24	Analysis: EPA 6010B
Lab ID: 502493-011	Received: 02/15/24	Analyst: SBW
Matrix: Wipe	Prepared: 02/16/24	
Diln Fac: 1.000	Analyzed: 02/16/24	

502493-011 Analyte	Result	RL	Units
Lead	230	0.50	ug/ft2

Field ID: 240214-L-FIELDBLANK2-LO	Batch#: 333242	Prep: EPA 3050B
Type: SAMPLE	Sampled: 02/14/24	Analysis: EPA 6010B
Lab ID: 502493-012	Received: 02/15/24	Analyst: SBW
Matrix: Wipe	Prepared: 02/16/24	
Diln Fac: 1.000	Analyzed: 02/16/24	

502493-012 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 240214-L-MEDBLANK2-LO	Batch#: 333242	Prep: EPA 3050B
Type: SAMPLE	Sampled: 02/14/24	Analysis: EPA 6010B
Lab ID: 502493-013	Received: 02/15/24	Analyst: SBW
Matrix: Wipe	Prepared: 02/16/24	
Diln Fac: 1.000	Analyzed: 02/16/24	

502493-013 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: ARCH-C12W-DG-7 TO 7.5-UP-C12.2-DG-240214-L-LA	Batch#: 333242	Prep: EPA 3050B
Type: SAMPLE	Sampled: 02/14/24	Analysis: EPA 6010B
Lab ID: 502493-014	Received: 02/15/24	Analyst: SBW
Matrix: Wipe	Prepared: 02/16/24	
Diln Fac: 1.000	Analyzed: 02/16/24	

502493-014 Analyte	Result	RL	Units
Lead	110	0.50	ug/ft2

Type: BLANK	Batch#: 333242	Analysis: EPA 6010B
Lab ID: QC1128899	Prepared: 02/16/24	Analyst: SBW
Matrix: Wipe	Analyzed: 02/16/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1128899 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 502493

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1128900

Matrix: Wipe

Diln Fac: 1.000

Batch#: 333242

Prepared: 02/16/24

Analyzed: 02/16/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1128900 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	57.97	116	80-120	ug/ft2

Type: BSD

Lab ID: QC1128901

Matrix: Wipe

Diln Fac: 1.000

Batch#: 333242

Prepared: 02/16/24

Analyzed: 02/16/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1128901 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	57.98	116	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent
Difference

Attachment 4

ProUCL Input and Output Files



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 6
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
ARCH-C12E-EXT-1 TO 2-231109-WF	27	1
ARCH-C13E-EXT-1 TO 2-231109-WF	69	1
ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-LA	74	1
ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-LA	110	1
ARCH-C13E-DG-2 TO 2.5-231109-DUP-FB	140	1
ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-LA	110	1
ARCH-C12E-DG-2.5 TO 3-231109-FB	72	1
ARCH-C13E-PS-2.5-231109-G	53	1
ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-LA	200	1
ARCH-C13E-INT-2.5 TO 3.5-231109-WF	23	1
ARCH-C12E-PS-3.5-231109-G	31	1
ARCH-C11E-DG-4 TO 4.5-UP-C11.5-DG-231109-LA	140	1
ARCH-C12E-DG-4 TO 4.5-UP-C12.4-DG-231109-LA	240	1
ARCH-C13E-DG-4 TO 4.5-231109-FB	170	1
ARCH-C12E-INT-3.5 TO 4.5-231109-DUP-WF	190	1
ARCH-C12E-PS-4.5-231109-G	92	1
ARCH-C13E-PS-4.5-231109-G	160	1
ARCH-C12E-DG-5 TO 5.5-UP-C12.6-VS-231109-LA	80	1
ARCH-C13E-INT-4.5 TO 5.5-231109-WF	140	1
ARCH-C11E-DG-5 TO 5.5-UP-C11.6-DG-231207-LA	21	1
ARCH-C12E-DG-5 TO 5.5-231207-FB	14	1
ARCH-C12E-PS-5.5-231207-G	45	1
ARCH-C13E-PS-5.5-231207-G	70	1
ARCH-C12E-DG-5.5 TO 6-DN-C12E-DG-231207-LA	7.9	1
ARCH-C13E-DG-5.5 TO 6-231207-DUP-FB	8.1	1
ARCH-C11E-DG-6 TO 6.5-UP-C11.4-HM-231207-LA	12	1
ARCH-C12E-EXT-6 TO 7-231207-WF	7	1
ARCH-C12E-DG-6 TO 6.5-231207-FB	2.8	1
ARCH-C12E-DG-6 TO 6.5-DN-C12.3-VS-231207-LA	33	1
ARCH-C11E-DG-6.5 TO 7-DN-C11.3-DG-231207-LA	68	1
ARCH-C12E-PS-6.5-231207-G	14	1
ARCH-C13E-PS-6.5-231207-G	8.9	1
ARCH-C11E-DG-7 TO 7.5-UP-C11.2-VS-231207-LA	70	1
ARCH-C13E-DG-7 TO 7.5-231207-FB	59	1
ARCH-C12E-DG-7 TO 7.5-231207-FB	96	1
ARCH-C12E-DG-7 TO 7.5-DN-C12.4-DG-231207-LA	50	1
ARCH-C11E-DG-8 TO 9-UP-C11E-DG-231207-LA	27	1
ARCH-C13E-EXT-8 TO 9-231207-WF	65	1
ARCH-C12E-INT-7.5 TO 9-231207-WF	26	1
ARCH-C12W-EXT-1 TO 2-240118-WF	17	1



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 6
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
ARCH-C13W-EXT-1 TO 2-240118-WF	4.6	1
ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-LA	60	1
ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-LA	77	1
ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-LA	38	1
ARCH-C13W-DG-2 TO 2.5-240118-FB	24	1
ARCH-C12W-DG-2.5 TO 3-240118-FB	20	1
ARCH-C13W-PS-2.5-240118-G	50	1
ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-LA	21	1
ARCH-C13W-INT-2.5 TO 3.5-240118-WF	43	1
ARCH-C11W-DG-3 TO 3.5-DN-C11.4-VS-240118-LA	70	1
ARCH-C12W-PS-3.5-240118-G	22	1
ARCH-C12W-DG-4 TO 4.5-UP-C12.4-DG-240118-LA	21	1
ARCH-C13W-DG-4 TO 4.5-240118-FB	18	1
ARCH-C12W-INT-3.5 TO 4.5-240118-WF	110	1
ARCH-C12W-PS-4.5-240118-G	35	1
ARCH-C13W-PS-4.5-240118-G	9.5	1
ARCH-C12W-DG-5 TO 5.5-UP-C12.6-VS-240118-LA	68	1
ARCH-C13W-INT-4.5 TO 5.5-240118-WF	5.9	1
ARCH-C11W-DG-5 TO 5.5-UP-C11.6-DG-240118-LA	16	1
ARCH-C12W-DG-5 TO 5.5-240118-FB	11	1
ARCH-C12W-PS-5.5-240214-G	280	1
ARCH-C13W-PS-5.5-240214-G	380	1
ARCH-C11W-DG-6 TO 6.5-UP-C11.4-HS-240214-LA	72	1
ARCH-C12W-DG-6 TO 6.5-240214-FB	120	1
ARCH-C12W-DG-6 TO 6.5-DN-C12.3-VS-240214-LA	100	1
ARCH-C12W-PS-6.5-240214-G	270	1
ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240214-LA	130	1
ARCH-C12W-INT-7 TO 7.5-240214-WF	15	1
ARCH-C11W-DG-8 TO 9-UP-C11.1-VS-240214-LA	73	1
ARCH-C13W-EXT-8 TO 9-240214-WF	30	1
ARCH-C12W-INT-7.5 TO 9-240214-WF	230	1
ARCH-C12W-DG-7 TO 7.5-UP-C12.2-DG-240214-LA	110	1
ARCH-C13W-DG-5.5 TO 6-240215-DUP-FB	13	1
ARCH-C12W-EXT-6 TO 7-240215-WF	130	1
ARCH-C13W-DG-7 TO 7.5-240215-FB	26	1



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 6
ProUCL Lead Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 3/12/2024 2:19:27 PM
From File	Z6_LO_Lead_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LeadResults

General Statistics

Total Number of Observations	75	Number of Distinct Observations	59
		Number of Missing Observations	0
Minimum	2.8	Mean	73.94
Maximum	380	Median	53
SD	74.35	Std. Error of Mean	8.585
Coefficient of Variation	1.006	Skewness	1.816

Normal GOF Test

Shapiro Wilk Test Statistic	0.811	Shapiro Wilk GOF Test
1% Shapiro Wilk P Value	2.534E-13	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.18	Lilliefors GOF Test
1% Lilliefors Critical Value	0.118	Data Not Normal at 1% Significance Level
Data Not Normal at 1% Significance Level		

Assuming Normal Distribution

95% Normal UCL		95% UCLs (Adjusted for Skewness)	
95% Student's-t UCL	88.24	95% Adjusted-CLT UCL (Chen-1995)	89.99
		95% Modified-t UCL (Johnson-1978)	88.54

Gamma GOF Test

A-D Test Statistic	0.489	Anderson-Darling Gamma GOF Test
5% A-D Critical Value	0.778	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0917	Kolmogorov-Smirnov Gamma GOF Test
5% K-S Critical Value	0.106	Detected data appear Gamma Distributed at 5% Significance Level
Detected data appear Gamma Distributed at 5% Significance Level		

Gamma Statistics

k hat (MLE)	1.122	k star (bias corrected MLE)	1.086
Theta hat (MLE)	65.91	Theta star (bias corrected MLE)	68.09
nu hat (MLE)	168.3	nu star (bias corrected)	162.9
MLE Mean (bias corrected)	73.94	MLE Sd (bias corrected)	70.96
		Approximate Chi Square Value (0.05)	134.4
Adjusted Level of Significance	0.0468	Adjusted Chi Square Value	133.9



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 6
ProUCL Lead Output File

Assuming Gamma Distribution			
95% Approximate Gamma UCL	89.63	95% Adjusted Gamma UCL	89.97

Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.972	Shapiro Wilk Lognormal GOF Test	
10% Shapiro Wilk P Value	0.284	Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.104	Lilliefors Lognormal GOF Test	
10% Lilliefors Critical Value	0.0936	Data Not Lognormal at 10% Significance Level	
Data appear Approximate Lognormal at 10% Significance Level			

Lognormal Statistics			
Minimum of Logged Data	1.03	Mean of logged Data	3.795
Maximum of Logged Data	5.94	SD of logged Data	1.092

Assuming Lognormal Distribution			
95% H-UCL	108.8	90% Chebyshev (MVUE) UCL	116.6
95% Chebyshev (MVUE) UCL	133.3	97.5% Chebyshev (MVUE) UCL	156.4
99% Chebyshev (MVUE) UCL	201.9		

Nonparametric Distribution Free UCL Statistics	
Data appear to follow a Discernible Distribution	

Nonparametric Distribution Free UCLs			
95% CLT UCL	88.06	95% BCA Bootstrap UCL	89.99
95% Standard Bootstrap UCL	87.73	95% Bootstrap-t UCL	90.01
95% Hall's Bootstrap UCL	89.81	95% Percentile Bootstrap UCL	88.36
90% Chebyshev(Mean, Sd) UCL	99.7	95% Chebyshev(Mean, Sd) UCL	111.4
97.5% Chebyshev(Mean, Sd) UCL	127.6	99% Chebyshev(Mean, Sd) UCL	159.4

Suggested UCL to Use			
95% Approximate Gamma UCL	89.63		

The calculated UCLs are based on assumptions that the data were collected in a random and unbiased manner.
Please verify the data were collected from random locations.
If the data were collected using judgmental or other non-random methods,
then contact a statistician to correctly calculate UCLs.

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 6
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
ARCH-C12E-EXT-1 TO 2-231109-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
ARCH-C13E-EXT-1 TO 2-231109-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-LA	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	0	0	0	0	0	0	0	0	0
ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-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
ARCH-C13E-DG-2 TO 2.5-231109-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-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
ARCH-C12E-DG-2.5 TO 3-231109-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
ARCH-C13E-PS-2.5-231109-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-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-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
ARCH-C13E-INT-2.5 TO 3.5-231109-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
ARCH-C12W-EXT-1 TO 2-240118-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
ARCH-C13W-EXT-1 TO 2-240118-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-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
ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-LA	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	0	0	0	0	0	0	0	0	0
ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-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
ARCH-C13W-DG-2 TO 2.5-240118-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
ARCH-C12W-DG-2.5 TO 3-240118-FB	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
ARCH-C13W-PS-2.5-240118-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-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-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
ARCH-C13W-INT-2.5 TO 3.5-240118-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 6
ProUCL PCB Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 3/12/2024 2:22:13 PM
From File	Z6_LO_PCB_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Aroclor 1016

General Statistics

Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable Aroclor 1016 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1221

General Statistics

Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable Aroclor 1221 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 6
ProUCL PCB Output File

Aroclor 1232

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1232 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1242

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1242 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1248

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1248 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 6
ProUCL PCB Output File

Aroclor 1254

General Statistics

Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable Aroclor 1254 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1260

General Statistics

Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable Aroclor 1260 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1262

General Statistics

Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!

Data set is too small to compute reliable and meaningful statistics and estimates!

The data set for variable Aroclor 1262 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!

If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 6
ProUCL PCB Output File

Aroclor 1268

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1268 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Attachment 5

Data Validation Reports



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

April 9, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on January 17, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #58284 RV1:

SDG #

Fraction

495712, 495753, 497463, 497480, 497531

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. V:\LOGIN\Rincon\Moffett Field, Hangar 1 NTCRA\58284ST-Wipe.wpd

Automated Data Review Data Validation Report Hangar 1 NTCRA

Sample Delivery Groups

495712

495753

497463

497480

497531

Only the highlighted SDGs contain samples that were collected within the Low Occupancy Area of Zone 6.

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the November through December 2023 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082

Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082

Three field blanks were collected and analyzed. No contaminants were found.

6010B

Four field blanks were collected and analyzed. Two field blanks had detections for lead. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports are presented in Enclosure I.

Four media blanks were collected and analyzed. No contaminants were found.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082

Two field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B

Eight field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: _____ Approved By: _____ Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
------------------	---------------	--------	-------------	--------------------	-----------------	-----------------

Lab Reporting Batch: 495712

Method: 6010B

231109-L-FIELDBLANK1-LO	495712-012	WIPE	FB	3050B	11/9/2023 7:15:00 AM	S2AVE
231109-L-MEDBLANK1-LO	495712-013	WIPE	FB	3050B	11/9/2023 11:25:00 AM	S2AVE
ARCH-C11E-DG-4 TO 4.5-UP-211.5-DG-231109-L-LA	495712-002	WIPE	N	3050B	11/9/2023 9:30:00 AM	S2AVE
ARCH-C12E-DG-4 TO 4.5-UP-212.4-DG-231109-L-LA	495712-003	WIPE	N	3050B	11/9/2023 9:35:00 AM	S2AVE
ARCH-C12E-DG-5 TO 5.5-UP-212.6-VS-231109-L-LA	495712-009	WIPE	N	3050B	11/9/2023 10:25:00 AM	S2AVE
ARCH-C12E-INT-3.5 TO 1.5-231109-L-DUP-WF	495712-006	WIPE	N	3050B	11/9/2023 9:55:00 AM	S2AVE
ARCH-C12E-INT-3.5 TO 1.5-231109-L-WF	495712-005	WIPE	N	3050B	11/9/2023 9:55:00 AM	S2AVE
ARCH-C12E-PS-3.5-231109-L-3	495712-001	WIPE	N	3050B	11/9/2023 9:20:00 AM	S2AVE
ARCH-C12E-PS-4.5-231109-L-3	495712-007	WIPE	N	3050B	11/9/2023 10:05:00 AM	S2AVE
ARCH-C13E-DG-4 TO 1.5-231109-L-FB	495712-004	WIPE	N	3050B	11/9/2023 9:45:00 AM	S2AVE
ARCH-C13E-INT-4.5 TO 1.5-231109-L-WF	495712-010	WIPE	N	3050B	11/9/2023 10:30:00 AM	S2AVE
ARCH-C13E-PS-4.5-231109-L-3	495712-008	WIPE	N	3050B	11/9/2023 10:15:00 AM	S2AVE

Method: 8082

231109-P-FIELDBLANK1-LO	495712-011	WIPE	FB	3546	11/9/2023 7:15:00 AM	S2AVE
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Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 495753

Method: 6010B

ARCH-C11E-DG-1.5 TO 2-DN- C11.7-DG-231109-L-LA	495753-008	WIPE	N	3050B	11/9/2023 7:40:00 AM	S3VEM
ARCH-C11E-DG-2 TO 2.5-DN- C11.5-VS-231109-L-LA	495753-015	WIPE	N	3050B	11/9/2023 8:25:00 AM	S3VEM
ARCH-C12E-DG-1 TO 1.5-DN- C12.1-VS-231109-L-LA	495753-010	WIPE	N	3050B	11/9/2023 7:55:00 AM	S3VEM
ARCH-C12E-DG-2.5 TO C231109-L-FB	495753-017	WIPE	N	3050B	11/9/2023 8:30:00 AM	S3VEM
ARCH-C12E-DG-3 TO 3.5-UP- C12.3-DG-231109-L-LA	495753-021	WIPE	N	3050B	11/9/2023 9:10:00 AM	S3VEM
ARCH-C12E-EXT-1 TO C231109-L-DUP-WF	495753-003	WIPE	FD	3050B	11/9/2023 7:30:00 AM	S3VEM
ARCH-C12E-EXT-1 TO C231109-L-WF	495753-002	WIPE	N	3050B	11/9/2023 7:30:00 AM	S3VEM
ARCH-C13E-DG-2 TO C15-231109-L-DUP-FB	495753-013	WIPE	FD	3050B	11/9/2023 8:05:00 AM	S3VEM
ARCH-C13E-DG-2 TO C15-231109-L-FB	495753-012	WIPE	N	3050B	11/9/2023 8:05:00 AM	S3VEM
ARCH-C13E-EXT-1 TO C231109-L-WF	495753-005	WIPE	N	3050B	11/9/2023 7:20:00 AM	S3VEM
ARCH-C13E-INT-2.5 TO C15-231109-L-WF	495753-023	WIPE	N	3050B	11/9/2023 8:55:00 AM	S3VEM
ARCH-C13E-PS-2.5-231109-L- C3	495753-019	WIPE	N	3050B	11/9/2023 8:45:00 AM	S3VEM

Method: 8082

ARCH-C11E-DG-1.5 TO 2-DN- C11.7-DG-231109-P-DUP-LA	495753-007	WIPE	FD	3546	11/9/2023 7:40:00 AM	S3VEM
ARCH-C11E-DG-1.5 TO 2-DN- C11.7-DG-231109-P-LA	495753-006	WIPE	N	3546	11/9/2023 7:40:00 AM	S3VEM
ARCH-C11E-DG-2 TO 2.5-DN- C11.5-VS-231109-P-LA	495753-014	WIPE	N	3546	11/9/2023 8:25:00 AM	S3VEM
ARCH-C12E-DG-1 TO 1.5-DN- C12.1-VS-231109-P-LA	495753-009	WIPE	N	3546	11/9/2023 7:55:00 AM	S3VEM
ARCH-C12E-DG-2.5 TO C231109-P-FB	495753-016	WIPE	N	3546	11/9/2023 8:30:00 AM	S3VEM
ARCH-C12E-DG-3 TO 3.5-UP- C12.3-DG-231109-P-LA	495753-020	WIPE	N	3546	11/9/2023 9:10:00 AM	S3VEM
ARCH-C12E-EXT-1 TO C231109-P-WF	495753-001	WIPE	N	3546	11/9/2023 7:30:00 AM	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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Method: 8082						
ARCH-C13E-DG-2 TO 2.5-231109-P-FB	495753-011	WIPE	N	3546	11/9/2023 8:05:00 AM	S3VEM
ARCH-C13E-EXT-1 TO 2-231109-P-WF	495753-004	WIPE	N	3546	11/9/2023 7:20:00 AM	S3VEM
ARCH-C13E-INT-2.5 TO 3.5-231109-P-WF	495753-022	WIPE	N	3546	11/9/2023 8:55:00 AM	S3VEM
ARCH-C13E-PS-2.5-231109- 2-G	495753-018	WIPE	N	3546	11/9/2023 8:45:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 497463

Method: 6010B						
31207-L-FIELDBLANK2-LO	497463-022	WIPE	FB	3050B	12/7/2023 9:05:00 AM	S2AVE
31207-L-MEDBLANK2-LO	497463-023	WIPE	FB	3050B	12/7/2023 12:05:00 PM	S2AVE
RCH-C11E-DG-5 TO 5.5-UP-11.6-DG-231207-L-LA	497463-001	WIPE	N	3050B	12/7/2023 9:10:00 AM	S2AVE
RCH-C11E-DG-6 TO 6.5-UP-11.4-HM-231207-L-LA	497463-008	WIPE	N	3050B	12/7/2023 9:50:00 AM	S2AVE
RCH-C11E-DG-6.5 TO 7-DN-11.3-DG-231207-L-LA	497463-012	WIPE	N	3050B	12/7/2023 10:15:00 AM	S2AVE
RCH-C11E-DG-7 TO 7.5-UP-11.2-VS-231207-L-LA	497463-015	WIPE	N	3050B	12/7/2023 10:35:00 AM	S2AVE
RCH-C11E-DG-8 TO 9-UP-11E-DG-231207-L-LA	497463-019	WIPE	N	3050B	12/7/2023 11:10:00 AM	S2AVE
RCH-C12E-DG-5 TO 5-231207-L-FB	497463-002	WIPE	N	3050B	12/7/2023 9:15:00 AM	S2AVE
RCH-C12E-DG-5.5 TO 6-DN-12E-DG-231207-L-LA	497463-005	WIPE	N	3050B	12/7/2023 9:35:00 AM	S2AVE
RCH-C12E-DG-6 TO 5-231207-L-FB	497463-010	WIPE	N	3050B	12/7/2023 10:05:00 AM	S2AVE
RCH-C12E-DG-6 TO 6.5-DN-12.3-VS-231207-L-LA	497463-011	WIPE	N	3050B	12/7/2023 10:10:00 AM	S2AVE
RCH-C12E-DG-7 TO 5-231207-L-FB	497463-017	WIPE	N	3050B	12/7/2023 10:45:00 AM	S2AVE
RCH-C12E-DG-7 TO 7.5-DN-12.4-DG-231207-L-LA	497463-018	WIPE	N	3050B	12/7/2023 11:00:00 AM	S2AVE
RCH-C12E-EXT-6 TO 231207-L-WF	497463-009	WIPE	N	3050B	12/7/2023 9:55:00 AM	S2AVE
RCH-C12E-INT-7.5 TO 231207-L-WF	497463-021	WIPE	N	3050B	12/7/2023 11:20:00 AM	S2AVE
RCH-C12E-PS-5.5-231207-L-	497463-003	WIPE	N	3050B	12/7/2023 9:20:00 AM	S2AVE
RCH-C12E-PS-6.5-231207-L-	497463-013	WIPE	N	3050B	12/7/2023 10:25:00 AM	S2AVE
RCH-C13E-DG-5.5 TO 231207-L-DUP-FB	497463-007	WIPE	FD	3050B	12/7/2023 9:40:00 AM	S2AVE
RCH-C13E-DG-5.5 TO 231207-L-FB	497463-006	WIPE	N	3050B	12/7/2023 9:40:00 AM	S2AVE
RCH-C13E-DG-7 TO 231207-L-FB	497463-016	WIPE	N	3050B	12/7/2023 10:50:00 AM	S2AVE

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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Method: 6010B						
ARCH-C13E-EXT-8 TO 3-231207-L-WF	497463-020	WIPE	N	3050B	12/7/2023 11:15:00 AM	S2AVE
ARCH-C13E-PS-5.5-231207-L- 3	497463-004	WIPE	N	3050B	12/7/2023 9:25:00 AM	S2AVE
ARCH-C13E-PS-6.5-231207-L- 3	497463-014	WIPE	N	3050B	12/7/2023 10:30:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 497480

Method: 6010B						
FRAME-C11E-LAT-L3-UP-11.3-DG-231208-L-DUP-LA	497480-012	WIPE	FD	3050B	12/8/2023 8:10:00 AM	S3VEM
FRAME-C11E-LAT-L3-UP-11.3-DG-231208-L-LA	497480-011	WIPE	N	3050B	12/8/2023 8:10:00 AM	S3VEM
FRAME-C11E-LAT-L3-UP-11.5-DG-231208-L-LA	497480-003	WIPE	N	3050B	12/8/2023 7:25:00 AM	S3VEM
FRAME-C11E-MED-L3-DN-11.1-DG-231208-L-LA	497480-023	WIPE	N	3050B	12/8/2023 8:50:00 AM	S3VEM
FRAME-C11E-MED-L3-DN-11.7-DG-231208-L-LA	497480-005	WIPE	N	3050B	12/8/2023 7:36:00 AM	S3VEM
FRAME-C11E-MED-L3-UP-11.1-HS-231208-L-LA	497480-014	WIPE	N	3050B	12/8/2023 8:00:00 AM	S3VEM
FRAME-C12E-LAT-L3-UP-12.4-VS-231208-L-LA	497480-007	WIPE	N	3050B	12/8/2023 7:45:00 AM	S3VEM
FRAME-C12E-LAT-L3-UP-12.6-HS-231208-L-LA	497480-019	WIPE	N	3050B	12/8/2023 8:40:00 AM	S3VEM
FRAME-C12E-MED-L3-UP-12.3-DG-231208-L-LA	497480-021	WIPE	N	3050B	12/8/2023 8:32:00 AM	S3VEM
FRAME-C13E-MED-L3-XT-0 TO 1-231208-L-DUP-1/F	497480-017	WIPE	FD	3050B	12/8/2023 8:25:00 AM	S3VEM
FRAME-C13E-MED-L3-XT-0 TO 1-231208-L-WF	497480-016	WIPE	N	3050B	12/8/2023 8:25:00 AM	S3VEM
FRAME-C13E-MED-L3-XT-1 TO 2-231208-L-WF	497480-009	WIPE	N	3050B	12/8/2023 7:50:00 AM	S3VEM
Method: 8082						
31208-P-FIELDBLANK	497480-024	WIPE	FB	3546	12/8/2023 7:20:00 AM	S3VEM
FRAME-C11E-LAT-L3-UP-11.3-DG-231208-P-LA	497480-010	WIPE	N	3546	12/8/2023 8:10:00 AM	S3VEM
FRAME-C11E-LAT-L3-UP-11.5-DG-231208-P-DUP-LA	497480-002	WIPE	FD	3546	12/8/2023 7:25:00 AM	S3VEM
FRAME-C11E-LAT-L3-UP-11.5-DG-231208-P-LA	497480-001	WIPE	N	3546	12/8/2023 7:25:00 AM	S3VEM
FRAME-C11E-MED-L3-DN-11.1-DG-231208-P-LA	497480-022	WIPE	N	3546	12/8/2023 8:50:00 AM	S3VEM
FRAME-C11E-MED-L3-DN-11.7-DG-231208-P-LA	497480-004	WIPE	N	3546	12/8/2023 7:36:00 AM	S3VEM

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 6.

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Method: 8082						
FRAME-C11E-MED-L3-UP- 11.1-HS-231208-P-LA	497480-013	WIPE	N	3546	12/8/2023 8:00:00 AM	S3VEM
FRAME-C12E-LAT-L3-UP- 12.4-VS-231208-P-LA	497480-006	WIPE	N	3546	12/8/2023 7:45:00 AM	S3VEM
FRAME-C12E-LAT-L3-UP- 12.6-HS-231208-P-LA	497480-018	WIPE	N	3546	12/8/2023 8:40:00 AM	S3VEM
FRAME-C12E-MED-L3-UP- 12.3-DG-231208-P-LA	497480-020	WIPE	N	3546	12/8/2023 8:32:00 AM	S3VEM
FRAME-C13E-MED-L3- XT-0 TO 1-231208-P-WF	497480-015	WIPE	N	3546	12/8/2023 8:25:00 AM	S3VEM
FRAME-C13E-MED-L3- XT-1 TO 2-231208-P-WF	497480-008	WIPE	N	3546	12/8/2023 7:50:00 AM	S3VEM

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 6.

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 497531

Method: 6010B

231208-L-FIELDBLANK1-HO	497531-031	WIPE	FB	3050B	12/8/2023 7:20:00 AM	S2AVE
231208-L-FIELDBLANK2-HO	497531-033	WIPE	FB	3050B	12/8/2023 7:15:00 AM	S2AVE
231208-L-MEDBLANK1-HO	497531-032	WIPE	FB	3050B	12/8/2023 11:15:00 AM	S2AVE
231208-L-MEDBLANK2-HO	497531-034	WIPE	FB	3050B	12/8/2023 11:20:00 AM	S2AVE
AFRAME-C11E-LAT-L1-UP-C11.7-HS-231208-L-LA	497531-023	WIPE	N	3050B	12/8/2023 9:55:00 AM	S2AVE
AFRAME-C11E-LAT-L2-DN-C11.1-VS-231208-L-I	497531-009	WIPE	N	3050B	12/8/2023 9:35:00 AM	S2AVE
AFRAME-C11E-LAT-L2-UP-C11.7-VS-231208-L-I	497531-005	WIPE	N	3050B	12/8/2023 9:30:00 AM	S2AVE
AFRAME-C11E-MED-L1-DN-C11.7-DG-231208-L-SS	497531-028	WIPE	N	3050B	12/8/2023 9:15:00 AM	S2AVE
AFRAME-C11E-MED-L1-UP-C11.1-DG-231208-L-SS	497531-014	WIPE	N	3050B	12/8/2023 8:10:00 AM	S2AVE
AFRAME-C11E-MED-L1-UP-C11.6-DG-231208-L-SS	497531-022	WIPE	N	3050B	12/8/2023 8:25:00 AM	S2AVE
AFRAME-C12E-LAT-L1-EXT-1 TO 2-231208-L-WF	497531-024	WIPE	N	3050B	12/8/2023 10:00:00 AM	S2AVE
AFRAME-C12E-LAT-L1-HS-3-231208-L-A	497531-015	WIPE	N	3050B	12/8/2023 8:40:00 AM	S2AVE
AFRAME-C12E-LAT-L1-HS-3-231208-L-DUP-A	497531-016	WIPE	FD	3050B	12/8/2023 8:40:00 AM	S2AVE
AFRAME-C12E-LAT-L2-INT-0.5 TO 1-231208-L-FB	497531-006	WIPE	N	3050B	12/8/2023 9:45:00 AM	S2AVE
AFRAME-C12E-LAT-L2-UP-C12.7-VS-231208-L-I	497531-007	WIPE	N	3050B	12/8/2023 9:50:00 AM	S2AVE
AFRAME-C12E-LAT-L3-DN-C12E-DG-231208-L-LA	497531-002	WIPE	N	3050B	12/8/2023 9:05:00 AM	S2AVE
AFRAME-C12E-MED-L1-DN-C12.7-DG-231208-L-SS	497531-030	WIPE	N	3050B	12/8/2023 10:20:00 AM	S2AVE
AFRAME-C12E-MED-L1-DN-C12E-DG-231208-L-SS	497531-029	WIPE	N	3050B	12/8/2023 9:25:00 AM	S2AVE
AFRAME-C12E-MED-L1-HS-3-231208-L-A	497531-017	WIPE	N	3050B	12/8/2023 8:35:00 AM	S2AVE
AFRAME-C12E-MED-L1-HS-3-231208-L-DUP-A	497531-018	WIPE	FD	3050B	12/8/2023 8:35:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: _____ Approved By: _____ Laboratory: **Enthalpy Orange**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Method: **6010B**

FRAME-C12E-MED-L1- IS-3-231208-L-G	497531-021	WIPE	N	3050B	12/8/2023 8:50:00 AM	S2AVE
FRAME-C12E-MED-L1-INT-0 O 0.5-231208-L-FB	497531-025	WIPE	N	3050B	12/8/2023 9:35:00 AM	S2AVE
FRAME-C12E-MED-L1-UP- 12.6-DG-231208-L-SS	497531-019	WIPE	N	3050B	12/8/2023 9:00:00 AM	S2AVE
FRAME-C12E-MED-L2-DN- 12.2-VS-231208-L-LA	497531-011	WIPE	N	3050B	12/8/2023 7:40:00 AM	S2AVE
FRAME-C12E-MED-L2- EXT-0 TO 1-231208-L-WF	497531-010	WIPE	N	3050B	12/8/2023 7:10:00 AM	S2AVE
FRAME-C12E-MED-L2- IS-1-231208-L-G	497531-003	WIPE	N	3050B	12/8/2023 9:00:00 AM	S2AVE
FRAME-C12E-MED-L2-INT-0 O 0.5-231208-L-FB	497531-012	WIPE	N	3050B	12/8/2023 7:50:00 AM	S2AVE
FRAME-C12E-MED-L3-DN- 12.6-VS-231208-L-LA	497531-001	WIPE	N	3050B	12/8/2023 9:20:00 AM	S2AVE
FRAME-C13E-LAT-L1- IS-3-231208-L-A	497531-020	WIPE	N	3050B	12/8/2023 9:05:00 AM	S2AVE
FRAME-C13E-LAT-L1-INT-1 O 2-231208-L-FB	497531-027	WIPE	N	3050B	12/8/2023 10:10:00 AM	S2AVE
FRAME-C13E-LAT-L2- NT-0.5 TO 1-231208-L-FB	497531-008	WIPE	N	3050B	12/8/2023 9:55:00 AM	S2AVE
FRAME-C13E-MED-L1- EXT-1 TO 2-231208-L-WF	497531-026	WIPE	N	3050B	12/8/2023 10:25:00 AM	S2AVE
FRAME-C13E-MED-L2- IS-1-231208-L-G	497531-004	WIPE	N	3050B	12/8/2023 9:15:00 AM	S2AVE
FRAME-C13E-MED-L2-INT-0 O 0.5-231208-L-FB	497531-013	WIPE	N	3050B	12/8/2023 8:00:00 AM	S2AVE

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 6.

Data Review Sample Summary Report by Analysis Method

Reviewed By:			Approved By:		Laboratory: Enthalpy Orange	
Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code

Validation Label Legend

Label Code	Label Description	EPA Level
VE	Stage_1_Validation_Electronic	N/A
VM	Stage_1_Validation_Manual	N/A
VEM	Stage_1_Validation_Electronic_and_Manual	N/A
AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
BVM	Stage_2B_Validation_Manual	Level 3 with calibration
BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
VE	Stage_3_Validation_Electronic	Level 4
VM	Stage_3_Validation_Manual	Level 4
VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
VE	Stage_4_Validation_Electronic	Level 4
VM	Stage_4_Validation_Manual	Level 4
VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
/	Not_Validated	N/A

Attachment 2
Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 495712

EDD Filename: 495712

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 495753

EDD Filename: 495753

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 497463

EDD Filename: 497463

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 497480

EDD Filename: 497480

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 497531

Laboratory: Enthalpy Orange

EDD Filename: 497531

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I
Validation Outlier Reports

Quality Control Outlier Reports

495712

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284A3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 495712

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 2/6/2024

Page: 1 of 1

Reviewer: *AB*

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB=1
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	231109-P-FIELDBLANK1-LO	495712-011	Wipe	11/09/23
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284A4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 495712

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 2/2/24

Page: 1 of 1

Reviewer: JC

2nd Reviewer: BN

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	FB = 11, 12
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LLS/LLSD
X.	Field Duplicates	SW	(5, 6)
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C12E-PS-3.5-231109-L-G	495712-001	Wipe	11/09/23
2	ARCH-C11E-DG-4 TO 4.5-UP-C11.5-DG-231109-L-LA	495712-002	Wipe	11/09/23
3	ARCH-C12E-DG-4 TO 4.5-UP-C12.4-DG-231109-L-LA	495712-003	Wipe	11/09/23
4	ARCH-C13E-DG-4 TO 4.5-231109-L-FB	495712-004	Wipe	11/09/23
5	ARCH-C12E-INT-3.5 TO 4.5-231109-L-WF	495712-005	Wipe	11/09/23
6	ARCH-C12E-INT-3.5 TO 4.5-231109-L-DUP-WF	495712-006	Wipe	11/09/23
7	ARCH-C12E-PS-4.5-231109-L-G	495712-007	Wipe	11/09/23
8	ARCH-C13E-PS-4.5-231109-L-G	495712-008	Wipe	11/09/23
9	ARCH-C12E-DG-5 TO 5.5-UP-C12.6-VS-231109-L-LA	495712-009	Wipe	11/09/23
10	ARCH-C13E-INT-4.5 TO 5.5-231109-L-WF	495712-010	Wipe	11/09/23
11	231109-L-FIELDBLANK1-LO	495712-012	Wipe	11/09/23
12	231109-L-MEDBLANK1-LO	495712-013	Wipe	11/09/23
13				
14				
15				
16				

Notes:

All circled elements are applicable to each sample.

[illegible]

Comments: Mercury by CVAA if performed

Field Blanks

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Blank units: ug/ft2

Associated sample units: ug/ft2

Sampling Date: 11/09/2023

Associated Samples: 1-10, 12

			Sample Identification									
Analyte	Blank ID	Action Level										
	11											
Pb	0.96	9.6										

Comments:

LDC #: 58284A4b

VALIDATION FINDINGS WORKSHEET

Page 1 of 1

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	5	6		
Lead	150	190	24	

Field Blank Contamination Report

Lab Reporting Batch ID: 495712

Laboratory: Enthalpy Orange

EDD Filename: Prep495712

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B

Matrix: WIPE

Analyte	Sample	Concentration (ug/ft2)	Flag
LEAD	231109-L- FIELDBLANK1-LO	0.96	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 495712

Laboratory: Enthalpy Orange

EDD Filename: 495712

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C12E-INT-3.5 TO 4.5-231109-L-WF	ARCH-C12E-INT-3.5 TO 4.5-231109-L-DUP-			
LEAD	150	190	24	100.00	No Qualifiers Applied

Quality Control Outlier Reports

495753

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284B3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 495753

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 2/2/24

Page: 1 of 1

Reviewer: [Signature]

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	% PSD ≤ 20 ICV ≤ 15
III.	Continuing calibration	A	CV ≤ 15
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB = 6
VI.	Surrogate spikes <u>17</u>	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	100% 17
IX.	Field duplicates	ND	D = 3, 4
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB = Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C12E-EXT-1 TO 2-231109-P-WF	495753-001	Wipe	11/09/23
2	ARCH-C13E-EXT-1 TO 2-231109-P-WF	495753-004	Wipe	11/09/23
3	ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-LA	495753-006	Wipe	11/09/23
4	ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-P-DUP-LA	495753-007	Wipe	11/09/23
5	ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-P-LA	495753-009	Wipe	11/09/23
6	ARCH-C13E-DG-2 TO 2.5-231109-P-FB	495753-011	Wipe	11/09/23
7	ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-P-LA	495753-014	Wipe	11/09/23
8	ARCH-C12E-DG-2.5 TO 3-231109-P-FB	495753-016	Wipe	11/09/23
9	ARCH-C13E-PS-2.5-231109-P-G	495753-018	Wipe	11/09/23
10	ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-P-LA	495753-020	Wipe	11/09/23
11	ARCH-C13E-INT-2.5 TO 3.5-231109-P-WF	495753-022	Wipe	11/09/23
12				
13				

Notes:

324371				

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284B3b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: FT

Method: ✓GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	☒	☐	☐	
Was cooler temperature criteria met?	☒	☐	☐	
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) $\leq$ 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) $< 20\%$? <u>15%</u>	☒	☐	☐	
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 #: 58284B3h

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: FT

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	☒	☐	☐	
Were target analytes detected in the field duplicates?	☐	☒	☐	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	☒	☐	☐	
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	☒	☐	☐	
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	10/16/2023	Aroclor 1016-1 ChA	0.0226	0.0226	0.0217	0.0217	17	17
	GC06		Aroclor 1016-1 ChB	0.0186	0.0186	0.0185	0.0185	14	14

LDC #: 58284B3h**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	11/11/23 1426	Aroclor 1016 chA	500.0	498.9	498.9	0	0
			↓ chB	↓	483.5	483.5	3	3
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

DC #: 58244 B3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

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/Defector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch 8	50.0	35.8993	72	72	0
DOP	↓	↓	31.0704	62	62	↓

Sample ID:

Surrogate	Column/Defector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 58284336**VALIDATION FINDINGS WORKSHEET**
Sample Calculation VerificationPage: 1 of 1
Reviewer: FTMETHOD: ☒ 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. 326371-LCS Amoclor 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

$$\text{Concentration} = \frac{439.48 (10)}{(1) (1000)} = 4.3948$$

#	Sample ID	Target analyte	Reported Concentrations ($\mu\text{g}/\text{m}^3$)	Recalculated Results Concentrations ($\mu\text{g}/\text{m}^3$)	Qualifications
	<u>LCS</u>	<u>Amoclor 1016</u>	<u>4.395</u>	<u>4.3948</u>	
	<u>Amoclor 1016-L</u>	<u>6207156.61 (20.0)</u>		<u>1016-1 = 427.5</u>	
		<u>15697033.259 (0.0185)</u>		<u>2 = 436.2</u>	
				<u>3 = 451.2</u>	
		<u>= 427.49 $\approx$ 427.5</u>		<u>4 = 447.2</u>	
				<u>5 = 435.2</u>	

439.48Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284B4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 495753

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 2/2/24

Page: 1 of 1

Reviewer: JL

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LC5/LCSD
X.	Field Duplicates	SW	(1,2), (6,7)
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER: .

	Client ID	Lab ID	Matrix	Date
1	ARCH-C12E-EXT-1 TO 2-231109-L-WF	495753-002	Wipe	11/09/23
2	ARCH-C12E-EXT-1 TO 2-231109-L-DUP-WF	495753-003	Wipe	11/09/23
3	ARCH-C13E-EXT-1 TO 2-231109-L-WF	495753-005	Wipe	11/09/23
4	ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231109-L-LA	495753-008	Wipe	11/09/23
5	ARCH-C12E-DG-1 TO 1.5-DN-C12.1-VS-231109-L-LA	495753-010	Wipe	11/09/23
6	ARCH-C13E-DG-2 TO 2.5-231109-L-FB	495753-012	Wipe	11/09/23
7	ARCH-C13E-DG-2 TO 2.5-231109-L-DUP-FB	495753-013	Wipe	11/09/23
8	ARCH-C11E-DG-2 TO 2.5-DN-C11.5-VS-231109-L-LA	495753-015	Wipe	11/09/23
9	ARCH-C12E-DG-2.5 TO 3-231109-L-FB	495753-017	Wipe	11/09/23
10	ARCH-C13E-PS-2.5-231109-L-G	495753-019	Wipe	11/09/23
11	ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231109-L-LA	495753-021	Wipe	11/09/23
12	ARCH-C13E-INT-2.5 TO 3.5-231109-L-WF	495753-023	Wipe	11/09/23
13				
14				
15				

Notes: _____

All circled elements are applicable to each sample.

[illegible]

Comments: Mercury by CVAA if performed

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.	Yes		NA	Blank Made 4/9/2021
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	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable)	Yes			
XI. Field Duplicates				
Were field duplicates 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			

Interference Check Sample A

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit (mg/L)	Associated Samples	Qualification*	Det/ND
11/13/2023	9:17	ICSA	Pb	0.01662	0.003333	All	No Qual (samples interferents < ICSA)	Det

Comments: *For 6010, qualification is only necessary when the interfering elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is established at 10x the absolute value of the contamination.

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	1	2		
Lead	27	25	8	

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	6	7		
Lead	100	140	33	

VALIDATION FINDINGS CHECKLIST
Calibration Calculation Verification

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	1.031	1	103.1	103	Y
CCV	ICP	Pb	1.024	1	102	102	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.071	1	107	107	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			$\leq 5\%$

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:

$$\text{RPD} = (\text{Absolute value}(\text{S}-\text{D}) \times 200) / (\text{S}+\text{D})$$

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

$$\%D = (\text{Absolute value}(|\text{I} - \text{SDR}|) \times 100) / (|\text{I}|)$$

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)
QC1106347	LCS	Pb	52.27	50	105	105	Y
NA	MS						
QC1106347, 8	Duplicate	Pb	52.27	51.27	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)

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Initial Weight/ Volume (ft2)	Final Volume (mL)	Reported Result (ug/ft2)	Recalculated Result (ug/ft2)	Acceptable (Y/N)
1	Pb	0.5429	1	1	50	27	27	Y
2	↓	0.4973	1	1	50	25	25	Y
3	↓	1.376	1	1	50	69	69	Y
4	↓	1.486	1	1	50	74	74	Y
5	↓	2.165	1	1	50	110	108	Y
6	↓	2.062	1	1	50	100	103	Y
7	↓	2.767	1	1	50	140	138	Y
8	↓	2.21	1	1	50	110	111	Y
9	↓	1.559	1	1.0828	50	72	72	Y
10	↓	1.069	1	1	50	53	53	Y
11	↓	3.936	1	1	50	200	197	Y
12	↓	0.4603	1	1	50	23	23	Y

Field Duplicate RPD Report

Lab Reporting Batch ID: 495753

Laboratory: Enthalpy Orange

EDD Filename: 495753

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C12E-EXT-1 TO 2-231109-L-WF (TOT)	ARCH-C12E-EXT-1 TO 2-231109-L-DUP-WF			
LEAD	27	25	8	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C12E-DG-2.5 TO 3-231109-L-FB	ARCH-C13E-DG-2 TO 2.5-231109-L-DUP-FB			
LEAD	72	140	64	100.00	No Qualifiers Applied

Quality Control Outlier Reports

497463

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284C4b

SDG #: 497463

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 2/2/24

Page: 1 of 2

Reviewer: JL

2nd Reviewer: Jan

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	ND	FB = 22, 23
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(6, 7)
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C11E-DG-5 TO 5.5-UP-C11.6-DG-231207-L-LA	497463-001	Wipe	12/07/23
2	ARCH-C12E-DG-5 TO 5.5-231207-L-FB	497463-002	Wipe	12/07/23
3	ARCH-C12E-PS-5.5-231207-L-G	497463-003	Wipe	12/07/23
4	ARCH-C13E-PS-5.5-231207-L-G	497463-004	Wipe	12/07/23
5	ARCH-C12E-DG-5.5 TO 6-DN-C12E-DG-231207-L-LA	497463-005	Wipe	12/07/23
6	ARCH-C13E-DG-5.5 TO 6-231207-L-FB	497463-006	Wipe	12/07/23
7	ARCH-C13E-DG-5.5 TO 6-231207-L-DUP-FB	497463-007	Wipe	12/07/23
8	ARCH-C11E-DG-6 TO 6.5-UP-C11.4-HM-231207-L-LA	497463-008	Wipe	12/07/23
9	ARCH-C12E-EXT-6 TO 7-231207-L-WF	497463-009	Wipe	12/07/23
10	ARCH-C12E-DG-6 TO 6.5-231207-L-FB	497463-010	Wipe	12/07/23
11	ARCH-C12E-DG-6 TO 6.5-DN-C12.3-VS-231207-L-LA	497463-011	Wipe	12/07/23
12	ARCH-C11E-DG-6.5 TO 7-DN-C11.3-DG-231207-L-LA	497463-012	Wipe	12/07/23
13	ARCH-C12E-PS-6.5-231207-L-G	497463-013	Wipe	12/07/23
14	ARCH-C13E-PS-6.5-231207-L-G	497463-014	Wipe	12/07/23
15	ARCH-C11E-DG-7 TO 7.5-UP-C11.2-VS-231207-L-LA	497463-015	Wipe	12/07/23
16	ARCH-C13E-DG-7 TO 7.5-231207-L-FB	497463-016	Wipe	12/07/23
17	ARCH-C12E-DG-7 TO 7.5-231207-L-FB	497463-017	Wipe	12/07/23

LDC #: 58284C4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 497463

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 2/2/24

Page: 2 of 2

Reviewer: JC

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C12E-DG-7 TO 7.5-DN-C12.4-DG-231207-L-LA	497463-018	Wipe	12/07/23
19	ARCH-C11E-DG-8 TO 9-UP-C11E-DG-231207-L-LA	497463-019	Wipe	12/07/23
20	ARCH-C13E-EXT-8 TO 9-231207-L-WF	497463-020	Wipe	12/07/23
21	ARCH-C12E-INT-7.5 TO 9-231207-L-WF	497463-021	Wipe	12/07/23
22	231207-L-FIELDBLANK2-LO	497463-022	Wipe	12/07/23
23	231207-L-MEDBLANK2-LO	497463-023	Wipe	12/07/23
24				
25				
26				

Notes:

VALIDATION FINDINGS WORKSHEET

Sample Specific Element Reference

All circled elements are applicable to each sample.

[illegible]

Comments: Mercury by CVAA if performed

LDC #: 58284C4b

VALIDATION FINDINGS WORKSHEET

Page 1 of 1

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	6	7		
Lead	5.9	8.1	31	

Field Duplicate RPD Report

Lab Reporting Batch ID: 497463

Laboratory: Enthalpy Orange

EDD Filename: 497463

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C13E-DG-5.5 TO 6-231207-L-FB	ARCH-C13E-DG-5.5 TO 6-231207-L-DUP-FB			
LEAD	5.9	8.1	31	100.00	No Qualifiers Applied

Quality Control Outlier Reports

497480

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284D3b **VALIDATION COMPLETENESS WORKSHEET**
SDG #: 497480 Stage 3
Laboratory: Enthalpy Analytical, Orange, CA

Date: 2/2/24
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	Δ / Δ	F1
II.	Initial calibration/ICV	Δ / Δ	0% RSD ≤ 20 ICV ≤ 20 15
III.	Continuing calibration	Δ	CV ≤ 20 15
IV.	Laboratory Blanks	Δ	F1
V.	Field blanks	ND	FB = 12
VI.	Surrogate spikes 15	Δ / Δ	
VII.	Matrix spike/Matrix spike duplicates	N	CD
VIII.	Laboratory control samples	Δ	LOS / P
IX.	Field duplicates	ND	D = 1, 2
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	AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-LA	497480-001	Wipe	12/08/23
2	AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-P-DUP-LA	497480-002	Wipe	12/08/23
3	AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-P-LA	497480-004	Wipe	12/08/23
4	AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-P-LA	497480-006	Wipe	12/08/23
5	AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-P-WF	497480-008	Wipe	12/08/23
6	AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-P-LA	497480-010	Wipe	12/08/23
7	AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-P-LA	497480-013	Wipe	12/08/23
8	AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-P-WF	497480-015	Wipe	12/08/23
9	AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-P-LA	497480-018	Wipe	12/08/23
10	AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-P-LA	497480-020	Wipe	12/08/23
11	AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-P-LA	497480-022	Wipe	12/08/23
12	231208-P-FIELDBLANK	497480-024	Wipe	12/08/23
13				

Notes:

328150					

LDC #: 58284036

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: FT

Method: GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	☒	☐	☐	
Was cooler temperature criteria met?	☒	☐	☐	
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) < 20%?	☒	☐	☐	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990 ?	☐	☐	☒	
Were the RT windows properly established?	☒	☐	☐	
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	☒	☐	☐	
Were all percent differences (%D) < 20%? <u>15%</u>	☒	☐	☐	
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 #: 58284037

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: FT

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	☒	☐	☐	
Were target analytes detected in the field duplicates?	☐	☒	☐	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	☒	☐	☐	
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	☒	☐	☐	
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	10/16/2023	Aroclor 1260-1 ChA	0.0628	0.0628	0.0605	0.0605	13	13
	GC06		Aroclor 1260-1 ChB	0.0526	0.0526	0.0530	0.0530	16	16

LDC #: 58284D3h

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	12/11/23 1406	Aroclor 1260 chA	920.0	467.9	467.9	6	6
			↓ chB	↓	457.3	457.3	9	9
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

DC #: 58284D36

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

METHOD: GC HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50.0	32.5686	65	65	0
DCB	↓	↓	27.1744	54	54	↓

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 #: 58284037

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: 328150 - 100 10

[illegible]

Comments:

LDC #: 5828403b

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. 328150 Lcd Arroclor 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

$$\text{Concentration} = \frac{357.04 (10)}{(1)(1000)} = 3.5704$$

#	Sample ID	Target analyte	Reported Concentrations (ug / 100 g w ²)	Recalculated Results Concentrations (ug / 100 g w ²)	Qualifications
	<u>Lcd</u>	<u>Arroclor 1260</u>	<u>3.571</u>	<u>3.5704</u>	
	<u>Arroclor 1260-L</u>	<u>11760782.7 (20.0)</u>			
		<u>11462253.929 (0.0930)</u>		<u>1260-1 = 387.186</u>	
				<u>2 = 385.7</u>	
		<u>= 387.186</u>		<u>3 = 352.8</u>	
				<u>4 = 343.8</u>	
				<u>5 = 315.7</u>	

Comments: 357.04

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284D4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 497480

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 2/2/24

Page: 1 of 1

Reviewer: JL

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	(5,6), (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	AFRAME-C11E-LAT-L3-UP-C11.5-DG-231208-L-LA	497480-003	Wipe	12/08/23
2	AFRAME-C11E-MED-L3-DN-C11.7-DG-231208-L-LA	497480-005	Wipe	12/08/23
3	AFRAME-C12E-LAT-L3-UP-C12.4-VS-231208-L-LA	497480-007	Wipe	12/08/23
4	AFRAME-C13E-MED-L3-EXT-1 TO 2-231208-L-WF	497480-009	Wipe	12/08/23
5	AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-LA	497480-011	Wipe	12/08/23
6	AFRAME-C11E-LAT-L3-UP-C11.3-DG-231208-L-DUP-LA	497480-012	Wipe	12/08/23
7	AFRAME-C11E-MED-L3-UP-C11.1-HS-231208-L-LA	497480-014	Wipe	12/08/23
8	AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-WF	497480-016	Wipe	12/08/23
9	AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-L-DUP-WF	497480-017	Wipe	12/08/23
10	AFRAME-C12E-LAT-L3-UP-C12.6-HS-231208-L-LA	497480-019	Wipe	12/08/23
11	AFRAME-C12E-MED-L3-UP-C12.3-DG-231208-L-LA	497480-021	Wipe	12/08/23
12	AFRAME-C11E-MED-L3-DN-C11.1-DG-231208-L-LA	497480-023	Wipe	12/08/23
13				
14				
15				

Notes: _____

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.	Yes		NA	<i>Barbara Mennell 4/9/2024</i>
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	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable)	Yes			
XI. Field Duplicates				
Were field duplicates identified in this SDG?			NA	
Were target analytes detected in the field duplicates?			NA	
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Interference Check Sample A

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit (mg/L)	Associated Samples	Qualification*	Det/ND
12/11/2023	11:19	ICSA	Pb	0.006172	0.003333	All	No Qual (samples interferent < ICSA)	Det

Comments: *For 6010, qualification is only necessary when the interfering elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is established at 10x the absolute value of the contamination.

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	5	6		
Lead	63	77	20	

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	8	9		
Lead	110	86	24	

VALIDATION FINDINGS CHECKLIST
Calibration Calculation Verification

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	1.006	1.0	101	101	Y
CCV	ICP	Pb	1.042	1.0	104	104	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.125	1.0	113	112	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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)
QC1112314	LCS	Pb	57.72	50	115	115	Y
NA	MS						
QC1112314, 15	Duplicate	Pb	57.72	55.52	4	4	Y
NA	PDS						
NA	Serial dilution						

VALIDATION FINDINGS CHECKLIST
Sample Calculation Verification

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Analytes were recalculated and verified using the following equation:

$$\text{Concentration} = (\text{Result from raw data} \times \text{Final volume} \times \text{Dilution factor}) / (\text{Initial volume})$$

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Initial Weight/ Volume (ft2)	Final Volume (mL)	Reported Result (ug/ft2)	Recalculated Result (ug/ft2)	Acceptable (Y/N)
1	Pb	0.3914	1	1	50	20	20	Y
2	Pb	0.3296	1	1	50	16	16	Y
3	Pb	0.3397	1	1	50	17	17	Y
4	Pb	1.567	1	1	50	78	78	Y
5	Pb	1.27	1	1	50	63	64	Y
6	Pb	1.54	1	1	50	77	77	Y
7	Pb	0.7114	1	1	50	36	36	Y
8	Pb	2.297	1	1	50	110	115	Y
9	Pb	1.711	1	1	50	86	86	Y
10	Pb	4.135	1	1	50	210	207	Y
11	Pb	2.979	1	1	50	150	149	Y
12	Pb	1.456	1	1	50	73	73	Y

Field Duplicate RPD Report

Lab Reporting Batch ID: 497480

Laboratory: Enthalpy Orange

EDD Filename: 497480

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-	AFRAME-C13E-MED-L3-EXT-0 TO 1-231208-			
LEAD	110	86	24	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C11E-LAT-L3-UP-C11.3-	AFRAME-C11E-LAT-L3-UP-C11.3-			
LEAD	63	77	20	100.00	No Qualifiers Applied

Field Blank Contamination Report

Lab Reporting Batch ID: 497531

Laboratory: Enthalpy Orange

EDD Filename: Prep497531

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B

Matrix: WIPE

Analyte	Sample	Concentration (ug/ft2)	Flag
LEAD	231208-L- FIELDBLANK1-HO	0.72	No Qualifiers Applied

Quality Control Outlier Reports

~~497531~~

SDG# 497531 does not contain samples collected in the
Low Occupancy Area of Zone 6.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58284E4b

SDG #: 497531

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 2/5/24

Page: 1 of 2

Reviewer: JC

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	FB = 31, 32, 33, 34
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCs/LCSD
X.	Field Duplicates	SW	(15, 16), (17, 18)
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C12E-MED-L3-DN-C12.6-VS-231208-L-LA	497531-001	Wipe	12/08/23
2	AFRAME-C12E-LAT-L3-DN-C12E-DG-231208-L-LA	497531-002	Wipe	12/08/23
3	AFRAME-C12E-MED-L2-HS-1-231208-L-G	497531-003	Wipe	12/08/23
4	AFRAME-C13E-MED-L2-HS-1-231208-L-G	497531-004	Wipe	12/08/23
5	AFRAME-C11E-LAT-L2-UP-C11.7-VS-231208-L-I	497531-005	Wipe	12/08/23
6	AFRAME-C12E-LAT-L2-INT-0.5 TO 1-231208-L-FB	497531-006	Wipe	12/08/23
7	AFRAME-C12E-LAT-L2-UP-C12.7-VS-231208-L-I	497531-007	Wipe	12/08/23
8	AFRAME-C13E-LAT-L2-INT-0.5 TO 1-231208-L-FB	497531-008	Wipe	12/08/23
9	AFRAME-C11E-LAT-L2-DN-C11.1-VS-231208-L-I	497531-009	Wipe	12/08/23
10	AFRAME-C12E-MED-L2-EXT-0 TO 1-231208-L-WF	497531-010	Wipe	12/08/23
11	AFRAME-C12E-MED-L2-DN-C12.2-VS-231208-L-LA	497531-011	Wipe	12/08/23
12	AFRAME-C12E-MED-L2-INT-0 TO 0.5-231208-L-FB	497531-012	Wipe	12/08/23
13	AFRAME-C13E-MED-L2-INT-0 TO 0.5-231208-L-FB	497531-013	Wipe	12/08/23
14	AFRAME-C11E-MED-L1-UP-C11.1-DG-231208-L-SS	497531-014	Wipe	12/08/23
15	AFRAME-C12E-LAT-L1-HS-3-231208-L-A	497531-015	Wipe	12/08/23
16	AFRAME-C12E-LAT-L1-HS-3-231208-L-DUP-A	497531-016	Wipe	12/08/23
17	AFRAME-C12E-MED-L1-HS-3-231208-L-A	497531-017	Wipe	12/08/23

LDC #: 58284E4b

SDG #: 497531

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 2/5/24

Page: 2 of 2

Reviewer: JC

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C12E-MED-L1-HS-3-231208-L-DUP-A	497531-018	Wipe	12/08/23
19	AFRAME-C12E-MED-L1-UP-C12.6-DG-231208-L-SS	497531-019	Wipe	12/08/23
20	AFRAME-C13E-LAT-L1-HS-3-231208-L-A	497531-020	Wipe	12/08/23
21	AFRAME-C12E-MED-L1-HS-3-231208-L-G	497531-021	Wipe	12/08/23
22	AFRAME-C11E-MED-L1-UP-C11.6-DG-231208-L-SS	497531-022	Wipe	12/08/23
23	AFRAME-C11E-LAT-L1-UP-C11.7-HS-231208-L-LA	497531-023	Wipe	12/08/23
24	AFRAME-C12E-LAT-L1-EXT-1 TO 2-231208-L-WF	497531-024	Wipe	12/08/23
25	AFRAME-C12E-MED-L1-INT-0 TO 0.5-231208-L-FB	497531-025	Wipe	12/08/23
26	AFRAME-C13E-MED-L1-EXT-1 TO 2-231208-L-WF	497531-026	Wipe	12/08/23
27	AFRAME-C13E-LAT-1-INT-1 TO 2-231208-L-FB	497531-027	Wipe	12/08/23
28	AFRAME-C11E-MED-L1-DN-C11.7-DG-231208-L-SS	497531-028	Wipe	12/08/23
29	AFRAME-C12E-MED-L1-DN-C12E-DG-231208-L-SS	497531-029	Wipe	12/08/23
30	AFRAME-C12E-MED-L1-DN-C12.7-DG-231208-L-SS	497531-030	Wipe	12/08/23
31	231208-L-FIELDBLANK1-HO	497531-031	Wipe	12/08/23
32	231208-L-MEDBLANK1-HO	497531-032	Wipe	12/08/23
33	231208-L-FIELDBLANK2-HO	497531-033	Wipe	12/08/23
34	231208-L-MEDBLANK2-HO	497531-034	Wipe	12/08/23
35				
36				
37				

Notes:

All circled elements are applicable to each sample.

[illegible]

Comments: Mercury by CVAA if performed

Field Blanks

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Blank units: ug/ft2

Associated sample units: ug/ft2

Sampling Date: 12/08/2023

Associated Samples: 1-30

			Sample Identification									
Analyte	Blank ID	Action Level										
	31											
Pb	0.72	7.2										

Comments:

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	15	16		
Lead	64	48	29	

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	17	18		
Lead	55	37	39	

Field Blank Contamination Report

Lab Reporting Batch ID: 497531

Laboratory: Enthalpy Orange

EDD Filename: Prep497531

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B

Matrix: WIPE

Analyte	Sample	Concentration (ug/ft2)	Flag
LEAD	231208-L-FIELDBLANK1-HO	0.72	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 497531

Laboratory: Enthalpy Orange

EDD Filename: 497531

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C12E-LAT-L1-HS-3-231208-L-A	AFRAME-C12E-LAT-L1-HS-3-231208-L-			
LEAD	64	48	29	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C12E-LAT-L1-HS-3-231208-L-A	AFRAME-C12E-MED-L1-HS-3-231208-L-			
LEAD	64	37	53	100.00	No Qualifiers Applied



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

April 9, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on January 29, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #58285 RV1:

SDG #

499977
500180

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. V:\LOGIN\Rincon\Moffett Field, Hangar 1 NTCRA\58285ST-Wipe.wpd

LDC Report# 58285

**Automated Data Review Data Validation Report
Hangar 1 NTCRA**

Sample Delivery Groups

499977

500180

February 12, 2024

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the January 2024 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082

Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082

Two field blanks were collected and analyzed. No contaminants were found.

6010B

One field blank was collected and analyzed. No contaminants were found.

One media blank was collected and analyzed. No contaminants were found.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the 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

Three field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 499977

Method: 6010B

240118-L-FIELDBLANK1-LO	499977-013	WIPE	FB	3050B	1/18/2024 7:45:00 AM	S2AVE
240118-L-MEDBLANK1-LO	499977-014	WIPE	FB	3050B	1/18/2024 11:55:00 AM	S2AVE
ARCH-C11W-DG-3 TO 3.5-DN-C11.4-VS-240118-L-LA	499977-001	WIPE	N	3050B	1/18/2024 9:40:00 AM	S2AVE
ARCH-C11W-DG-5 TO 5.5-UP-C11.6-DG-240118-L-LA	499977-011	WIPE	N	3050B	1/18/2024 10:50:00 AM	S2AVE
ARCH-C12W-DG-4 TO 4.5-UP-C12.4-DG-240118-L-LA	499977-003	WIPE	N	3050B	1/18/2024 9:55:00 AM	S2AVE
ARCH-C12W-DG-5 TO 5.5-240118-L-FB	499977-012	WIPE	N	3050B	1/18/2024 10:45:00 AM	S2AVE
ARCH-C12W-DG-5 TO 5.5-UP-C12.6-VS-240118-L-LA	499977-009	WIPE	N	3050B	1/18/2024 10:30:00 AM	S2AVE
ARCH-C12W-INT-3.5 TO 4.5-240118-L-DUP-WF	499977-006	WIPE	FD	3050B	1/18/2024 10:10:00 AM	S2AVE
ARCH-C12W-INT-3.5 TO 4.5-240118-L-WF	499977-005	WIPE	N	3050B	1/18/2024 10:10:00 AM	S2AVE
ARCH-C12W-PS-3.5-240118-L-G	499977-002	WIPE	N	3050B	1/18/2024 9:45:00 AM	S2AVE
ARCH-C12W-PS-4.5-240118-L-G	499977-007	WIPE	N	3050B	1/18/2024 10:20:00 AM	S2AVE
ARCH-C13W-DG-4 TO 4.5-240118-L-FB	499977-004	WIPE	N	3050B	1/18/2024 10:00:00 AM	S2AVE
ARCH-C13W-INT-4.5 TO 5.5-240118-L-WF	499977-010	WIPE	N	3050B	1/18/2024 10:40:00 AM	S2AVE
ARCH-C13W-PS-4.5-240118-L-G	499977-008	WIPE	N	3050B	1/18/2024 10:25:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 500180

Method: 6010B

ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-L-LA	500180-008	WIPE	N	3050B	1/18/2024 8:20:00 AM	S3VEM
ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-L-LA	500180-012	WIPE	N	3050B	1/18/2024 8:40:00 AM	S3VEM
ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-L-LA	500180-010	WIPE	N	3050B	1/18/2024 8:30:00 AM	S3VEM
ARCH-C12W-DG-2.5 TO 3-240118-L-FB	500180-017	WIPE	N	3050B	1/18/2024 9:00:00 AM	S3VEM
ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-L-LA	500180-021	WIPE	N	3050B	1/18/2024 9:20:00 AM	S3VEM
ARCH-C12W-EXT-1 TO 2-240118-L-DUP-WF	500180-003	WIPE	FD	3050B	1/18/2024 7:40:00 AM	S3VEM
ARCH-C12W-EXT-1 TO 2-240118-L-WF	500180-002	WIPE	N	3050B	1/18/2024 7:40:00 AM	S3VEM
ARCH-C13W-DG-2 TO 2.5-240118-L-DUP-FB	500180-015	WIPE	FD	3050B	1/18/2024 8:50:00 AM	S3VEM
ARCH-C13W-DG-2 TO 2.5-240118-L-FB	500180-014	WIPE	N	3050B	1/18/2024 8:50:00 AM	S3VEM
ARCH-C13W-EXT-1 TO 2-240118-L-WF	500180-005	WIPE	N	3050B	1/18/2024 8:05:00 AM	S3VEM
ARCH-C13W-INT-2.5 TO 3.5-240118-L-WF	500180-023	WIPE	N	3050B	1/18/2024 9:30:00 AM	S3VEM
ARCH-C13W-PS-2.5-240118-L-G	500180-019	WIPE	N	3050B	1/18/2024 9:10:00 AM	S3VEM

Method: 8082

240118-P-FIELDBLANK1-LO	500180-024	WIPE	FB	3546	1/18/2024 7:45:00 AM	S3VEM
ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-DUP-LA	500180-007	WIPE	FD	3546	1/18/2024 8:20:00 AM	S3VEM
ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-LA	500180-006	WIPE	N	3546	1/18/2024 8:20:00 AM	S3VEM
ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-P-LA	500180-011	WIPE	N	3546	1/18/2024 8:40:00 AM	S3VEM
ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-P-LA	500180-009	WIPE	N	3546	1/18/2024 8:30:00 AM	S3VEM
ARCH-C12W-DG-2.5 TO 3-240118-P-FB	500180-016	WIPE	N	3546	1/18/2024 9:00:00 AM	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>
--------------------------------	-----------------------------	----------------------	---------------------------	--------------------------------------	-------------------------------	-------------------------------

Method: 8082

ARCH-C12W-DG-3 TO 3.5- UP-C12.2-VS-240118-P-LA	500180-020	WIPE	N	3546	1/18/2024 9:20:00 AM	S3VEM
ARCH-C12W-EXT-1 TO 2-240118-P-WF	500180-001	WIPE	N	3546	1/18/2024 7:40:00 AM	S3VEM
ARCH-C13W-DG-2 TO 2.5-240118-P-FB	500180-013	WIPE	N	3546	1/18/2024 8:50:00 AM	S3VEM
ARCH-C13W-EXT-1 TO 2-240118-P-WF	500180-004	WIPE	N	3546	1/18/2024 8:05:00 AM	S3VEM
ARCH-C13W-INT-2.5 TO 3.5-240118-P-WF	500180-022	WIPE	N	3546	1/18/2024 9:30:00 AM	S3VEM
ARCH-C13W-PS-2.5-240118- P-G	500180-018	WIPE	N	3546	1/18/2024 9:10:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID

Lab Sample ID

Matrix

Sample Type

***Preparation
Method***

Collection Date Validation Code

Validation Label Legend

<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: 499977

Laboratory: Enthalpy Orange

EDD Filename: 499977

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 500180

EDD Filename: 500180

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

499977

Field Duplicate RPD Report

Lab Reporting Batch ID: 499977

Laboratory: Enthalpy Orange

EDD Filename: 499977

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C12W-INT-3.5 TO 4.5-240118-L-WF	ARCH-C12W-INT-3.5 TO 4.5-240118-L-DUP-			
LEAD	110	74	39	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

2/8/2024 12:28:54 PM

ADR version 1.9.0.325

Page 1 of 1

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58285A4b

SDG #: 499977

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 2/5/24

Page: 1 of 1

Reviewer: JC

2nd Reviewer: BM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	ND	FB = 13, 14
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LC5/LC6D
X.	Field Duplicates	SW	(5, 6)
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C11W-DG-3 TO 3.5-DN-C11.4-VS-240118-L-LA	499977-001	Wipe	01/18/24
2	ARCH-C12W-PS-3.5-240118-L-G	499977-002	Wipe	01/18/24
3	ARCH-C12W-DG-4 TO 4.5-UP-C12.4-DG-240118-L-LA	499977-003	Wipe	01/18/24
4	ARCH-C13W-DG-4 TO 4.5-240118-L-FB	499977-004	Wipe	01/18/24
5	ARCH-C12W-INT-3.5 TO 4.5-240118-L-WF	499977-005	Wipe	01/18/24
6	ARCH-C12W-INT-3.5 TO 4.5-240118-L-DUP-WF	499977-006	Wipe	01/18/24
7	ARCH-C12W-PS-4.5-240118-L-G	499977-007	Wipe	01/18/24
8	ARCH-C13W-PS-4.5-240118-L-G	499977-008	Wipe	01/18/24
9	ARCH-C12W-DG-5 TO 5.5-UP-C12.6-VS-240118-L-LA	499977-009	Wipe	01/18/24
10	ARCH-C13W-INT-4.5 TO 5.5-240118-L-WF	499977-010	Wipe	01/18/24
11	ARCH-C11W-DG-5 TO 5.5-UP-C11.6-DG-240118-L-LA	499977-011	Wipe	01/18/24
12	ARCH-C12W-DG-5 TO 5.5-240118-L-FB	499977-012	Wipe	01/18/24
13	240118-L-FIELDBLANK1-LO	499977-013	Wipe	01/18/24
14	240118-L-MEDBLANK1-LO	499977-014	Wipe	01/18/24
15				
16				

Notes:

Page: 1 of 1
Reviewer: JC

All circled elements are applicable to each sample.

[illegible]

Comments: Mercury by CVAA if performed

LDC #: 58285A4b

VALIDATION FINDINGS WORKSHEET

Page 1 of 1

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	5	6		
Lead	110	74	39	

Quality Control Outlier Reports

500180

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58285B3b

SDG #: 500180

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 2/2/24

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	A/Δ	% PSD ≤ 20 ICV ≤ 15
III.	Continuing calibration	Δ	CCV ≤ 15
IV.	Laboratory Blanks	Δ	
V.	Field blanks	ND	FB = 7, 8
VI.	Surrogate spikes 1/17	A/Δ	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	WS ID
IX.	Field duplicates	ND	D = 3, 4
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C12W-EXT-1 TO 2-240118-P-WF	500180-001	Wipe	01/18/24
2	ARCH-C13W-EXT-1 TO 2-240118-P-WF	500180-004	Wipe	01/18/24
3	ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-P-LA	500180-006	Wipe	01/18/24
4	ARCH-C11W-DG-1.5-TO 2-DN-C11.7-DG-240118-P-DUP-LA	500180-007	Wipe	01/18/24
5	ARCH-C12W-DG-1 TO 1.5-DN-C12.2-VS-240118-P-LA	500180-009	Wipe	01/18/24
6	ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-P-LA	500180-011	Wipe	01/18/24
7	ARCH-C13W-DG-2 TO 2.5-240118-P-FB	500180-013	Wipe	01/18/24
8	ARCH-C12W-DG-2.5 TO 3-240118-P-FB	500180-016	Wipe	01/18/24
9	ARCH-C13W-PS-2.5-240118-P-G	500180-018	Wipe	01/18/24
10	ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-P-LA	500180-020	Wipe	01/18/24
11	ARCH-C13W-INT-2.5 TO 3.5-240118-P-WF	500180-022	Wipe	01/18/24
12	240118-P-FIELDBLANK1-LO	500180-024	Wipe	01/18/24
13				

Notes:

330971				

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58205B3b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: FT

Method: GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	☒	☐	☐	
Was cooler temperature criteria met?	☒	☐	☐	
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) < 20%?	☒	☐	☐	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990 ?	☐	☐	☒	
Were the RT windows properly established?	☒	☐	☐	
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	☒	☐	☐	
Were all percent differences (%D) < 20%? <u>15%</u>	☒	☐	☐	
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 #: 5824583b

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: FT

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	/			
Were target analytes detected in the field duplicates?		/		
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
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	1/24/2024	Aroclor 1260-1 ChA	0.0798	0.0798	0.0707	0.0707	12	12
	GC06		Aroclor 1260-1 ChB	0.0625	0.0625	0.0539	0.0539	13	13

LDC #: 58285 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(1cal)/ CCV Conc.	Reported	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	ccv	1/24/24 1929	Aroclor 1260 chA	500.0	557.8	557.8	12	12
			↓ chB	500.0	536.5	536.5	7	7
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 #: 5828533h

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	35.0195	70	70	0
DCB	↓	↓	28.8935	58	58	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	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 #: 58285B3b

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: 330971 res 10

[illegible]

Comments:

LDC #: 58285B3b

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: 330971-LC> Aradof 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

$$\text{Concentration} = \frac{335.7852 (10)}{(1)(1000)} =$$

$$3.3578 \text{ ug/100 cm}^2$$

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm ²)	Recalculated Results Concentrations (ug/100 cm ²)	Qualifications
	330971-LC>	Aradof 1260	3.358	3.3578	
	1260-1 = (11266201.999)(20.0)		-	1260-1 = 360.126	
	(17790307.5)(0.0539)			2 = 350.9	
				3 = 337.2	
				4 = 334.1	
				5 = 296.6	
				335.7852	

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 #: 58285B4b

SDG #: 500180

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 2/5/24

Page: 1 of 1

Reviewer: JS

2nd Reviewer: BN

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LLS/LLSD
X.	Field Duplicates	SW	(1,2), (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	ARCH-C12W-EXT-1 TO 2-240118-L-WF	500180-002	Wipe	01/18/24
2	ARCH-C12W-EXT1 TO 2-240118-L-DUP-WF	500180-003	Wipe	01/18/24
3	ARCH-C13W-EXT-1 TO 2-240118-L-WF	500180-005	Wipe	01/18/24
4	ARCH-C11W-DG-1.5 TO 2-DN-C11.7-DG-240118-L-LA	500180-008	Wipe	01/18/24
5	ARCH-C12W-DG-1 TO 1.5 8 DN-C12.2-VS-240118-L-LA	500180-010	Wipe	01/18/24
6	ARCH-C11W-DG-2 TO 2.5-UP-C11.4-HS-240118-L-LA	500180-012	Wipe	01/18/24
7	ARCH-C13W-DG-2 TO 2.5-240118-L-FB	500180-014	Wipe	01/18/24
8	ARCH-C13W-DG-2 TO 2.5-240118-L-DUP-FB	500180-015	Wipe	01/18/24
9	ARCH-C12W-DG-2.5 TO 3-240118-L-FB	500180-017	Wipe	01/18/24
10	ARCH-C13W-PS-2.5-240118-L-G	500180-019	Wipe	01/18/24
11	ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240118-L-LA	500180-021	Wipe	01/18/24
12	ARCH-C13W-INT-2.5 TO 3.5-240118-L-WF	500180-023	Wipe	01/18/24
13				
14				
15				

Notes:

LDC #: 58285B46

VALIDATION FINDINGS WORKSHEET

Sample Specific Element Reference

Page: 1 of 1
Reviewer: JL

All circled elements are applicable to each sample.

[illegible]

Comments: Mercury by CVAA if performed

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.	Yes		NA	<i>Belmont 4/6/2024</i>
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	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable)	Yes			
XI. Field Duplicates				
Were field duplicates 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			

Interference Check Sample A

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit (mg/L)	Associated Samples	Qualification*	Det/ND
1/19/2023	9:26	ICSA	Pb	-0.01066	0.003333	All	No Qual (sample interferent <ICSA)	Det

Comments: *For 6010, qualification is only necessary when the interfering elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is established at 10x the absolute value of the contamination.

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	1	2		
Lead	17	14	19	

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	8	9		
Lead	24	9.0	91	

Field Duplicate RPD Report

Lab Reporting Batch ID: 500180

Laboratory: Enthalpy Orange

EDD Filename: 500180

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C13W-DG-2 TO 2.5-240118-L-FB (TOT)	ARCH-C13W-DG-2 TO 2.5-240118-L-DUP-FB			
LEAD	24	9.0	91	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

2/8/2024 12:40:49 PM

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Page 1 of 1

VALIDATION FINDINGS CHECKLIST
Calibration Calculation Verification

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	1.045	1.00	105	104	Y
CCV	ICP	Pb	1.039	1.00	103.9	104	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.026	1.00	103	103	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

$$\%R = (\text{Found}/\text{True}) \times 100$$

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)
QC1121537	LCS	Pb	53	50	106	106	Y
NA	MS						
QC1121540, 41	Duplicate	Pb	51.56	54.82	6	6	Y
NA	PDS						
NA	Serial dilution						

VALIDATION FINDINGS CHECKLIST
Sample Calculation Verification

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Analytes were recalculated and verified using the following equation:

$$\text{Concentration} = (\text{Result from raw data} \times \text{Final volume} \times \text{Dilution factor}) / (\text{Initial volume})$$

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Initial Weight/ Volume (ft2)	Final Volume (mL)	Reported Result (ug/ft2)	Recalculated Result (ug/ft2)	Acceptable (Y/N)
1	Pb	0.3456	1	1	50	17	17	Y
2	Pb	0.274	1	1	50	14	14	Y
3	Pb	0.09129	1	1	50	4.6	4.6	Y
4	Pb	1.19	1	1	50	60	60	Y
5	Pb	1.599	1	1.04	50	77	77	Y
6	Pb	0.7824	1	1.02	50	38	38	Y
7	Pb	0.4859	1	1	50	24	24	Y
8	Pb	0.1805	1	1	50	9	9	Y
9	Pb	0.3968	1	1	50	20	20	Y
10	Pb	1.073	1	1.0828	50	50	50	Y
11	Pb	0.411	1	1	50	21	21	Y
12	Pb	0.8513	1	1	50	43	43	Y



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

April 9, 2024

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on February 29, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #58486 RV1:

SDG #

Fraction

502314, 502491, 502493, 502499, 502501

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 DVAISOGIN\Rincon\Moffett Field, Hangar 1 NTCRA\Wipe\58486ST-Wipe.wpd

Automated Data Review Data Validation Report Hangar 1 NTCRA

Sample Delivery Groups

502314

502491

502493

502499

502501

Only the highlighted SDGs contain samples that were collected in the Low Occupancy Area of Zone 6.

March 18, 2024

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the February 2024 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by Environmental Protection Agency (EPA) SW 846 Method 8082

Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082

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. No contaminants were found.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the 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. 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 (3/18/2024)

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: 502314

Method: 6010B

ARCH-C12W-EXT-6 TO 7-240215-L-WF	502314-003	WIPE	N	3050B	2/15/2024 12:10:00 PM	S2AVE
ARCH-C13W-DG-5.5 TO 6-240215-L-DUP-FB	502314-002	WIPE	FD	3050B	2/15/2024 12:00:00 PM	S2AVE
ARCH-C13W-DG-5.5 TO 6-240215-L-FB	502314-001	WIPE	N	3050B	2/15/2024 12:00:00 PM	S2AVE
ARCH-C13W-DG-7 TO 7.5-240215-L-FB	502314-005	WIPE	N	3050B	2/15/2024 12:30:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/18/2024)

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: 502491

Method: 6010B

AFRAME-C11W-MED-L1-DN-C11.7-DG-240215-L-SS	502491-008	WIPE	N	3050B	2/15/2024 9:35:00 AM	S2AVE
AFRAME-C12W-LAT-L1-DN-C12W-HS-240215-L-LA	502491-006	WIPE	N	3050B	2/15/2024 10:25:00 AM	S2AVE
AFRAME-C12W-LAT-L1-EXT-1 TO 2-240215-L-WF	502491-004	WIPE	N	3050B	2/15/2024 10:15:00 AM	S2AVE
AFRAME-C12W-LAT-L2-UP-C12.6-VS-240215-L-I	502491-011	WIPE	N	3050B	2/15/2024 11:20:00 AM	S2AVE
AFRAME-C12W-MED-L1-DN-C12.7-DG-240215-L-SS	502491-010	WIPE	N	3050B	2/15/2024 9:55:00 AM	S2AVE
AFRAME-C12W-MED-L1-DN-C12W-DG-240215-L-SS	502491-009	WIPE	N	3050B	2/15/2024 9:50:00 AM	S2AVE
AFRAME-C12W-MED-L1-INT-0 TO 0.5-240215-L-FB	502491-005	WIPE	N	3050B	2/15/2024 10:10:00 AM	S2AVE
AFRAME-C12W-MED-L2-EXT-0 TO 1-240215-L-WF	502491-003	WIPE	N	3050B	2/15/2024 11:05:00 AM	S2AVE
AFRAME-C12W-MED-L2-HS-1-240215-L-G	502491-001	WIPE	N	3050B	2/15/2024 11:30:00 AM	S2AVE
AFRAME-C13W-LAT-L1-INT-1 TO 2-240215-L-FB	502491-007	WIPE	N	3050B	2/15/2024 10:40:00 AM	S2AVE
AFRAME-C13W-MED-L2-HS-1-240215-L-G	502491-002	WIPE	N	3050B	2/15/2024 11:40:00 AM	S2AVE

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 6.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/18/2024)

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>
Lab Reporting Batch: 502493						
Method: 6010B						
240214-L-FIELDBLANK2-LO	502493-012	WIPE	FB	3050B	2/14/2024 9:25:00 AM	S2AVE
240214-L-MEDBLANK2-LO	502493-013	WIPE	FB	3050B	2/14/2024 5:43:00 PM	S2AVE
ARCH-C11W-DG-6 TO 6.5-UP-C11.4-HS-240214-L-LA	502493-003	WIPE	N	3050B	2/14/2024 9:50:00 AM	S2AVE
ARCH-C11W-DG-8 TO 9-UP-C11.1-VS-240214-L-LA	502493-009	WIPE	N	3050B	2/14/2024 11:20:00 AM	S2AVE
ARCH-C12W-DG-6 TO 6.5-240214-L-FB	502493-004	WIPE	N	3050B	2/14/2024 10:35:00 AM	S2AVE
ARCH-C12W-DG-6 TO 6.5-DN-C12.3-VS-240214-L-LA	502493-005	WIPE	N	3050B	2/14/2024 10:00:00 AM	S2AVE
ARCH-C12W-DG-7 TO 7.5-UP-C12.2-DG-240214-L-LA	502493-014	WIPE	N	3050B	2/14/2024 11:00:00 AM	S2AVE
ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240214-L-LA	502493-007	WIPE	N	3050B	2/14/2024 10:55:00 AM	S2AVE
ARCH-C12W-INT-7 TO 7.5-240214-L-WF	502493-008	WIPE	N	3050B	2/14/2024 11:05:00 AM	S2AVE
ARCH-C12W-INT-7.5 TO 9-240214-L-WF	502493-011	WIPE	N	3050B	2/14/2024 11:30:00 AM	S2AVE
ARCH-C12W-PS-5.5-240214-L-G	502493-001	WIPE	N	3050B	2/14/2024 9:35:00 AM	S2AVE
ARCH-C12W-PS-6.5-240214-L-G	502493-006	WIPE	N	3050B	2/14/2024 10:45:00 AM	S2AVE
ARCH-C13W-EXT-8 TO 9-240214-L-WF	502493-010	WIPE	N	3050B	2/14/2024 11:35:00 AM	S2AVE
ARCH-C13W-PS-5.5-240214-L-G	502493-002	WIPE	N	3050B	2/14/2024 9:30:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/18/2024)

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: 502499

Method: 6010B

240214-L-FIELDBLANK1-HO	502499-020	WIPE	FB	3050B	2/14/2024 2:10:00 PM	S2AVE
240214-L-FIELDBLANK2-HO	502499-022	WIPE	FB	3050B	2/14/2024 9:30:00 AM	S2AVE
240214-L-MEDBLANK1-HO	502499-021	WIPE	FB	3050B	2/14/2024 5:30:00 PM	S2AVE
240214-L-MEDBLANK2-HO	502499-023	WIPE	FB	3050B	2/14/2024 5:32:00 PM	S2AVE
AFRAME-C11W-LAT-L2-DN-C11.1-VS-240214-L-I	502499-009	WIPE	N	3050B	2/14/2024 11:30:00 AM	S2AVE
AFRAME-C11W-LAT-L2-UP-C11.7-VS-240214-L-I	502499-005	WIPE	N	3050B	2/14/2024 10:45:00 AM	S2AVE
AFRAME-C11W-MED-L1-UP-C11.1-DG-240214-L-SS	502499-014	WIPE	N	3050B	2/14/2024 3:35:00 PM	S2AVE
AFRAME-C11W-MED-L2-DN-C11.6-DG-240214-L-LA	502499-010	WIPE	N	3050B	2/14/2024 2:15:00 PM	S2AVE
AFRAME-C12W-LAT-L1-HS-3-240214-L-A	502499-015	WIPE	N	3050B	2/14/2024 3:15:00 PM	S2AVE
AFRAME-C12W-LAT-L1-HS-3-240214-L-DUP-A	502499-016	WIPE	FD	3050B	2/14/2024 3:15:00 PM	S2AVE
AFRAME-C12W-LAT-L2-DN-C12.1-VS-240214-L-I	502499-012	WIPE	N	3050B	2/14/2024 2:40:00 PM	S2AVE
AFRAME-C12W-LAT-L2-INT-0.5 TO 1-240214-L-FB	502499-006	WIPE	N	3050B	2/14/2024 10:55:00 AM	S2AVE
AFRAME-C12W-LAT-L2-UP-C12.7-VS-240214-L-I	502499-007	WIPE	N	3050B	2/14/2024 11:05:00 AM	S2AVE
AFRAME-C12W-LAT-L3-DN-C12W-DG-240214-L-LA	502499-002	WIPE	N	3050B	2/14/2024 9:40:00 AM	S2AVE
AFRAME-C12W-MED-L1-HS-3-240214-L-A	502499-017	WIPE	N	3050B	2/14/2024 3:30:00 PM	S2AVE
AFRAME-C12W-MED-L1-UP-C12.6-DG-240214-L-SS	502499-018	WIPE	N	3050B	2/14/2024 3:00:00 PM	S2AVE
AFRAME-C12W-MED-L2-INT-0 TO 0.5-240214-L-FB	502499-011	WIPE	N	3050B	2/14/2024 11:40:00 AM	S2AVE
AFRAME-C12W-MED-L3-DN-C12.6-VS-240214-L-LA	502499-001	WIPE	N	3050B	2/14/2024 9:25:00 AM	S2AVE
AFRAME-C13W-LAT-L1-HS-3-240214-L-A	502499-019	WIPE	N	3050B	2/14/2024 2:50:00 PM	S2AVE
AFRAME-C13W-LAT-L2-INT-0 TO 1-240214-L-FB	502499-008	WIPE	N	3050B	2/14/2024 11:15:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/18/2024)

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

AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF	502499-004	WIPE	FD	3050B	2/14/2024 9:55:00 AM	S2AVE
AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-WF	502499-003	WIPE	N	3050B	2/14/2024 9:55:00 AM	S2AVE
AFRAME-C13W-MED-L2-INT-0 TO 0.5-240214-L-FB	502499-013	WIPE	N	3050B	2/14/2024 2:30:00 PM	S2AVE

Crossed out Sample IDS not collected within the Low Occupancy Area of Zone 6.

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
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Lab Reporting Batch: 502501

Method: 6010B

AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-DUP-LA	502501-023	WIPE	FD	3050B	2/14/2024 2:20:00 PM	S3VEM
AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-LA	502501-013	WIPE	N	3050B	2/14/2024 2:20:00 PM	S3VEM
AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-L-LA	502501-003	WIPE	N	3050B	2/14/2024 3:25:00 PM	S3VEM
AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-L-LA	502501-021	WIPE	N	3050B	2/14/2024 3:40:00 PM	S3VEM
AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-L-LA	502501-005	WIPE	N	3050B	2/14/2024 11:45:00 AM	S3VEM
AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-LA	502501-011	WIPE	N	3050B	2/14/2024 2:35:00 PM	S3VEM
AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-L-LA	502501-018	WIPE	N	3050B	2/14/2024 3:00:00 PM	S3VEM
AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF	502501-016	WIPE	FD	3050B	2/14/2024 2:45:00 PM	S3VEM
AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-WF	502501-015	WIPE	N	3050B	2/14/2024 2:45:00 PM	S3VEM
AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-L-LA	502501-007	WIPE	N	3050B	2/14/2024 12:00:00 PM	S3VEM
AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-L-LA	502501-019	WIPE	N	3050B	2/14/2024 3:05:00 PM	S3VEM
AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-L-WF	502501-009	WIPE	N	3050B	2/14/2024 3:15:00 PM	S3VEM

Method: 8082

240214-P-FIELDBLANK1-HO	502501-022	WIPE	FB	3546	2/14/2024 2:10:00 PM	S3VEM
AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-P-LA	502501-012	WIPE	N	3546	2/14/2024 2:20:00 PM	S3VEM
AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-DUP-LA	502501-002	WIPE	FD	3546	2/14/2024 3:25:00 PM	S3VEM
AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-LA	502501-001	WIPE	N	3546	2/14/2024 3:25:00 PM	S3VEM
AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-P-LA	502501-020	WIPE	N	3546	2/14/2024 3:40:00 PM	S3VEM
AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-P-LA	502501-004	WIPE	N	3546	2/14/2024 11:45:00 AM	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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Method: 8082

AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-P-LA	502501-010	WIPE	N	3546	2/14/2024 2:35:00 PM	S3VEM
AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-P-LA	502501-017	WIPE	N	3546	2/14/2024 3:00:00 PM	S3VEM
AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-P-WF	502501-014	WIPE	N	3546	2/14/2024 2:45:00 PM	S3VEM
AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-P-LA	502501-006	WIPE	N	3546	2/14/2024 12:00:00 PM	S3VEM
AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-P-LA	502501-024	WIPE	N	3546	2/14/2024 3:05:00 PM	S3VEM
AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-P-WF	502501-008	WIPE	N	3546	2/14/2024 3:15:00 PM	S3VEM

Crossed out Sample IDs not collected within the Low Occupancy Area of Zone 6.

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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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: 502314

EDD Filename: 502314

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 502491

EDD Filename: 502491

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 502493

EDD Filename: 502493

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 502499

EDD Filename: 502499

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 502501

EDD Filename: 502501

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I
Validation Outlier Reports

Quality Control Outlier Reports

502314

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58486A4b **VALIDATION COMPLETENESS WORKSHEET**
SDG #: 502314 Stage 2A
Laboratory: Enthalpy Analytical, Orange, CA

Date: 3/11/24
Page: 1 of 1
Reviewer: SL
2nd Reviewer: Bm

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LC5/LCSD
X.	Field Duplicates	SW	(1,2)
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

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	ARCH-C13W-DG-5.5 TO 6-240215-L-FB	502314-001	Wipe	02/15/24
2	ARCH-C13W-DG-5.5 TO 6-240215-L-DUP-FB	502314-002	Wipe	02/15/24
3	ARCH-C12W-EXT-6 TO 7-240215-L-WF	502314-003	Wipe	02/15/24
4	ARCH-C13W-PS-6.5-240215-L-G	502314-004	Wipe	02/15/24
5	ARCH-C13W-DG-7 TO 7.5-240215-L-FB	502314-005	Wipe	02/15/24
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				

Notes: _____

LDC #: 58486A4b

VALIDATION FINDINGS WORKSHEET

Page 1 of 1

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	1	2		
Lead	11	13	17	

Field Duplicate RPD Report

Lab Reporting Batch ID: 502314

Laboratory: Enthalpy Orange

EDD Filename: 502314

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C13W-DG-5.5 TO 6-240215-L-FB	ARCH-C13W-DG-5.5 TO 6-240215-L-DUP-FB			
LEAD	11	13	17	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

3/18/2024 10:13:38 AM

ADR version 1.9.0.325

Page 1 of 1

Quality Control Outlier Reports

~~502491~~

(No Outliers)

SDG# 502491 does not contain samples collected within the Low Occupancy Area of Zone 6.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58486B4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 502491

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 3/11/24

Page: 1 of 1

Reviewer: JC

2nd Reviewer: BM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C12W-MED-L2-HS-1-240215-L-G	502491-001	Wipe	02/15/24
2	AFRAME-C13W-MED-L2-HS-1-240215-L-G	502491-002	Wipe	02/15/24
3	AFRAME-C12W-MED-L2-EXT-0 TO 1-240215-L-WF	502491-003	Wipe	02/15/24
4	AFRAME-C12W-LAT-L1-EXT-1 TO 2-240215-L-WF	502491-004	Wipe	02/15/24
5	AFRAME-C12W-MED-L1-INT-0 TO 0.5-240215-L-FB	502491-005	Wipe	02/15/24
6	AFRAME-C12W-LAT-L1-DN-C12W-HS-240215-L-LA	502491-006	Wipe	02/15/24
7	AFRAME-C13W-LAT-L1-INT-1 TO 2-240215-L-FB	502491-007	Wipe	02/15/24
8	AFRAME-C11W-MED-L1-DN-C11.7-DG-240215-L-SS	502491-008	Wipe	02/15/24
9	AFRAME-C12W-MED-L1-DN-C12W-DG-240215-L-SS	502491-009	Wipe	02/15/24
10	AFRAME-C12W-MED-L1-DN-C12.7-DG-240215-L-SS	502491-010	Wipe	02/15/24
11	AFRAME-C12W-LAT-L2-UP-C12.6-VS-240215-L-I	502491-011	Wipe	02/15/24
12				
13				
14				
15				
16				

Notes:

Quality Control Outlier Reports

502493

(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).

LDC #: 58486C4b

SDG #: 502493

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 3/11/24

Page: 1 of 1

Reviewer: JC

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	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	ND	FB = 12, 13
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LC5/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C12W-PS-5.5-240215-L-G	502493-001	Wipe	02/14/24
2	ARCH-C13W-PS-5.5-240214-L-G	502493-002	Wipe	02/14/24
3	ARCH-C11W-DG-6 TO 6.5-UP-C11.4-HS-240214-L-LA	502493-003	Wipe	02/14/24
4	ARCH-C12W-DG-6 TO 6.5-240214-L-FB	502493-004	Wipe	02/14/24
5	ARCH-C12W-DG-6 TO 6.5-DN-C12.3-VS-240214-L-LA	502493-005	Wipe	02/14/24
6	ARCH-C12W-PS-6.5-240214-L-G	502493-006	Wipe	02/14/24
7	ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240214-L-LA	502493-007	Wipe	02/14/24
8	ARCH-C12W-INT-7 TO 7.5-240214-L-WF	502493-008	Wipe	02/14/24
9	ARCH-C11W-DG-8 TO 9-UP-C11.1-VS-240214-L-LA	502493-009	Wipe	02/14/24
10	ARCH-C13W-EXT-8 TO 9-240214-L-WF	502493-010	Wipe	02/14/24
11	ARCH-C12W-INT-7.5 TO 9-240214-L-WF	502493-011	Wipe	02/14/24
12	240214-L-FIELDBLANK2-LO	502493-012	Wipe	02/14/24
13	240214-L-MEDBLANK2-LO	502493-013	Wipe	02/14/24
14	ARCH-C12W-DG-7 TO 7.5-UP-C12.2-DG-240214-L-LA	502493-014	Wipe	02/14/24
15				
16				

Notes:

Quality Control Outlier Reports

~~502499~~

SDG# 502499 does not contain samples
collected within the Low Occupancy Area of
Zone 6.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58486D4b

VALIDATION COMPLETENESS WORKSHEET

Date: 3/11/24

SDG #: 502499

Stage 2A

Page: 1 of 2

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: SC

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	ND	FB = 20, 21, 22, 23
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS / LCS D
X.	Field Duplicates	SW	(3, 4) (15, 16)
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB = Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C12W-MED-L3-DN-C12.6-VS-240214-L-LA	502499-001	Wipe	02/14/24
2	AFRAME-C12W-LAT-L3-DN-C12W-DG-240214-L-LA	502499-002	Wipe	02/14/24
3	AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-WF	502499-003	Wipe	02/14/24
4	AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF	502499-004	Wipe	02/14/24
5	AFRAME-C11W-LAT-L2-UP-C11.7-VS-240214-L-I	502499-005	Wipe	02/14/24
6	AFRAME-C12W-LAT-L2-INT-0.5 TO 1-240214-L-FB	502499-006	Wipe	02/14/24
7	AFRAME-C12W-LAT-L2-UP-C12.7-VS-240214-L-I	502499-007	Wipe	02/14/24
8	AFRAME-C13W-LAT-L2-INT-0 TO 1-240214-L-FB	502499-008	Wipe	02/14/24
9	AFRAME-C11W-LAT-L2-DN-C11.1-VS-240214-L-I	502499-009	Wipe	02/14/24
10	AFRAME-C11W-MED-L2-DN-C11.6-DG-240214-L-LA	502499-010	Wipe	02/14/24
11	AFRAME-C12W-MED-L2-INT-0 TO 0.5-240214-L-FB	502499-011	Wipe	02/14/24
12	AFRAME-C12W-LAT-L2-DN-C12.1-VS-240214-L-I	502499-012	Wipe	02/14/24
13	AFRAME-C13W-MED-L2-INT-0 TO 0.5-240214-L-FB	502499-013	Wipe	02/14/24
14	AFRAME-C11W-MED-L1-UP-C11.1-DG-240214-L-SS	502499-014	Wipe	02/14/24
15	AFRAME-C12W-LAT-L1-HS-3-240214-L-A	502499-015	Wipe	02/14/24
16	AFRAME-C12W-LAT-L1-HS-3-240214-L-DUP-A	502499-016	Wipe	02/14/24
17	AFRAME-C12W-MED-L1-HS-3-240214-L-A	502499-017	Wipe	02/14/24

LDC #: 58486D4b**VALIDATION COMPLETENESS WORKSHEET**SDG #: 502499

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CADate: 3/11/24Page: 2 of 2Reviewer: SC

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C12W-MED-L1-UP-C12.6-DG-240214-L-SS	502499-018	Wipe	02/14/24
19	AFRAME-C13W-LAT-L1-HS-3-240214-L-A	502499-019	Wipe	02/14/24
20	240214-L-FIELDBLANK1-HO	502499-020	Wipe	02/14/24
21	240214-L-MEDBLANK1-HO	502499-021	Wipe	02/14/24
22	240214-L-FIELDBLANK2-HO	502499-022	Wipe	02/14/24
23	240214-L-MEDBLANK2-HO	502499-023	Wipe	02/14/24
24				
25				
26				

Notes: _____

Field Duplicate RPD Report

Lab Reporting Batch ID: 502499

Laboratory: Enthalpy Orange

EDD Filename: 502499

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-	AFRAME-C13W-LAT-L3-EXT-0 TO 1-240214-			
LEAD	65	53	20	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C12W-LAT-L1-HS-3-240214-L-A	AFRAME-C12W-LAT-L1-HS-3-240214-L-			
LEAD	40	36	11	100.00	No Qualifiers Applied

Quality Control Outlier Reports

~~502501~~

SDG# 502501 does not contain samples
collected within the Low Occupancy Area of
Zone 6.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 58486E3b

SDG #: 502501

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 3/15/24

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	Δ / Δ	
II.	Initial calibration/ICV	Δ / Δ	% PSD = 20 ICV ≤ 15
III.	Continuing calibration	Δ	CCV ≤ 15
IV.	Laboratory Blanks	Δ	
V.	Field blanks	Δ	FB = 11
VI.	Surrogate spikes 17	Δ / Δ	
VII.	Matrix spike/Matrix spike duplicates	N	C
VIII.	Laboratory control samples	Δ	wa 17
IX.	Field duplicates	ND	D = 1, 2
X.	Target analyte quantitation	Δ	
XI.	Target analyte identification	Δ	
XII.	Overall assessment of data	Δ	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-LA	502501-001	Wipe	02/14/24
2	AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-P-DUP-LA	502501-002	Wipe	02/14/24
3	AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-P-LA	502501-004	Wipe	02/14/24
4	AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-P-LA	502501-006	Wipe	02/14/24
5	AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-P-WF	502501-008	Wipe	02/14/24
6	AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-P-LA	502501-010	Wipe	02/14/24
7	AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-P-LA	502501-012	Wipe	02/14/24
8	AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-P-WF	502501-014	Wipe	02/14/24
9	AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-P-LA	502501-017	Wipe	02/14/24
10	AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-P-LA	502501-020	Wipe	02/14/24
11	240214-P-FIELDBLANK1-HO	502501-022	Wipe	02/14/24
12	AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-P-LA	502501-024	Wipe	02/14/24
13				

Notes:

373612				

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 98480 E3b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: FT

Method: GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	☒	☐	☐	
Was cooler temperature criteria met?	☒	☐	☐	
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) $\leq$ 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 #: 58486E3b

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: FT

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	/			
Were target analytes detected in the field duplicates?		/		
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	/			
Were manual integrations reviewed and found acceptable?	/			
Did the laboratory provide before and after integration printouts?	/		NA	FT
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below using the following calculations:

$$CF = A/C$$

average CF = sum of the CF/number of standards

$$\%RSD = 100 * (S/X)$$

Where:

A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	2/20/2024	Aroclor 1016-1 ChA	0.0204	0.0204	0.0201	0.0201	20	20
	GC07		Aroclor 1016-1 ChB	0.0192	0.0192	0.0187	0.0187	12	12

LDC #: 384 86 E 3b**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	2/22/24 1211	Aroclor 1016 ch A	500.0	525.4	525.4	5	5
			↓ ch B	500.0	548.0	548.0	10	10
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 58486E3b

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 (chp)

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TEMX	chp	50	25.4674	51	51	0
PeB DCB	↓	50	22.8324	46	46	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- <i>m</i> - 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- <i>n</i> -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 #: 5486E3b

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: 333612 - LCS17

[illegible]

Comments: _____

LDC #: 58486E3b

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. 333612-LC5 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

$$\text{Concentration} = \frac{328.828 (10)}{(1) (1000)} = 3.288 \text{ ug/100 cm}^2$$

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm ²)	Recalculated Results Concentrations (ug/100 cm ²)	Qualifications
	<u>LC5</u>	<u>Aroclor 1016</u>	<u>3.287</u>	<u>3.288</u>	
	<u>Aroclor 1016-1</u>	<u>18189340.639 (20.0)</u>	<u>= 346.84</u>	<u>1016-1 = 346.84</u>	
		<u>52182317.561 (0.0201)</u>		<u>- 2 = 324.8</u>	
				<u>- 3 = 332.2</u>	
				<u>- 4 = 343.3</u>	
				<u>- 5 = 297.1</u>	
				<u>328.828</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).

LDC #: 58486E4b . **VALIDATION COMPLETENESS WORKSHEET**
SDG #: 502501 Stage 3
Laboratory: Enthalpy Analytical, Orange, CA

Date: 3/11/24
Page: 1 of 1
Reviewer: JL
2nd Reviewer: Am

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(7,8), (6,12)
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C11W-LAT-L3-UP-C11.5-DG-240214-L-LA	502501-003	Wipe	02/14/24
2	AFRAME-C11W-MED-L3-DN-C11.7-DG-240214-L-LA	502501-005	Wipe	02/14/24
3	AFRAME-C12W-LAT-L3-UP-C12.4-VS-240214-L-LA	502501-007	Wipe	02/14/24
4	AFRAME-C13W-MED-L3-EXT-1 TO 2-240214-L-WF	502501-009	Wipe	02/14/24
5	AFRAME-C11W-MED-L3-UP-C11.3-DG-240214-L-LA	502501-011	Wipe	02/14/24
6	AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-LA	502501-013	Wipe	02/14/24
7	AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-WF	502501-015	Wipe	02/14/24
8	AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-L-DUP-WF	502501-016	Wipe	02/14/24
9	AFRAME-C11W-MED-L3-UP-C11.6-HS-240214-L-LA	502501-018	Wipe	02/14/24
10	AFRAME-C12W-MED-L3-UP-C12.3-DG-240214-L-LA	502501-019	Wipe	02/14/24
11	AFRAME-C11W-MED-L3-DN-C11.1-DG-240214-L-LA	502501-021	Wipe	02/14/24
12	AFRAME-C11W-LAT-L3-UP-C11.1-HS-240214-L-DUP-LA	502501-023	Wipe	02/14/24
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.	Yes		NA	Brewer 4/5/24
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	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
VII. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable)	Yes			
XI. Field Duplicates				
Were field duplicates 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	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			

LDC #:

VALIDATION FINDINGS WORKSHEETS

Page 1 of 1

Interference Check Sample A

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit (mg/L)	Associated Samples	Qualification*	Det/ND
2/16/2024	9:26	ICSA	Pb	0.00344	0.003333	All	No Qual (Sample interferent < ICSA)	Det

Comments: *For 6010, qualification is only necessary when the interfering elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is established at 10x the absolute value of the contamination.

Field Duplicate RPD Report

Lab Reporting Batch ID: 502501

Laboratory: Enthalpy Orange

EDD Filename: 502501

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-	AFRAME-C12W-LAT-L3-EXT-0 TO 1-240214-			
LEAD	77	81	5	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C11W-LAT-L3-UP-C11.1-	AFRAME-C11W-LAT-L3-UP-C11.1-			
LEAD	210	210	0	100.00	No Qualifiers Applied

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Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	7	8		
Lead	77	81	5	

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	6	12		
Lead	210	210	0	

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)
QC1128900	LCS	Pb	57.97	50	116	116	Y
NA	MS						
QC1128903/04	Duplicate	Pb	54.46	52.18	4	4	Y
NA	PDS						
NA	Serial dilution						

VALIDATION FINDINGS CHECKLIST
Calibration Calculation Verification

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	0.9515	1.000	95	95	Y
CCV	ICP	Pb	0.9984	1.000	100	100	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.006	1.000	101	101	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
NA	Mass Axis			± 0.1 amu
NA	%RSD			≤ 5%

Sample Calculation Verification

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Analytes were recalculated and verified using the following equation:

$$\text{Concentration} = (\text{Result from raw data} \times \text{Final volume} \times \text{Dilution factor}) / (\text{Initial volume})$$

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Initial Weight/ Volume (ft2)	Final Volume (mL)	Reported Result (ug/ft2)	Recalculated Result (ug/ft2)	Acceptable (Y/N)
1	Pb	6.029	1	1	50	300	301	Y
2	↓	3.75	1	1	50	190	188	Y
3	↓	2.081	1	1	50	100	104	Y
4	↓	4.408	1	1	50	220	220	Y
5	↓	1.929	1	1	50	96	96	Y
6	↓	4.168	1	1	50	210	208	Y
7	↓	1.534	1	1	50	77	77	Y
8	↓	1.611	1	1	50	81	81	Y
9	↓	0.4604	20	1	50	460	460	Y
10	↓	2.725	1	1	50	140	136	Y
11	↓	4.304	1	1	50	220	215	Y
12	↓	4.24	1	1	50	210	212	Y

Attachment 6

Clearance Sampling Summary and Laboratory Reports



Clearance Wipe Sampling Results - Zone 6 [a]

Hangar 1 NTCRA
Former Naval Air Station Moffett Field, California

Location ID [b]	Sample Date	Zone	Enclosure	Lead
				Result
				µg/ft ²
CLEAR-ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231115-LA	11/15/2023	6	A/B	81
CLEAR-SCAF-Z6EAB-L26-231115	11/15/2023	6	A/B	91
CLEAR-ENC-Z6EAB-L26-231115 [d]	11/15/2023	6	A/B	1500
CLEAR-ENC-Z6EAB-L26-231120	11/20/2023	6	A/B	37
CLEAR-ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231115-LA	11/15/2023	6	A/B	52
CLEAR-SCAF-Z6EAB-L23-231115 [d]	11/15/2023	6	A/B	370
CLEAR-SCAF-Z6EAB-L23-231120 [d]	11/20/2023	6	A/B	1300
CLEAR-SCAF-Z6EAB-L23-231127	11/27/2023	6	A/B	230
CLEAR-ENC-Z6EAB-L23-231115 [d]	11/15/2023	6	A/B	2200
CLEAR-ENC-Z6EAB-L23-231120	11/20/2023	6	A/B	110
CLEAR-ARCH-C12E-INT-3.5 TO 4.5-231115-WF	11/15/2023	6	A/B	200
CLEAR-SCAF-Z6EAB-L20-231115 [d]	11/15/2023	6	A/B	650
CLEAR-SCAF-Z6EAB-L20-231120	11/20/2023	6	A/B	240
CLEAR-ENC-Z6EAB-L20-231115 [d]	11/15/2023	6	A/B	180
CLEAR-ENC-Z6EAB-L20-231120	11/20/2023	6	A/B	170
CLEAR-ENC-Z6EAB-L20-231115-DUP [d]	11/15/2023	6	A/B	280
CLEAR-ENC-Z6EAB-L20-231120-DUP	11/20/2023	6	A/B	23
CLEAR-AFRAME-C12E-LAT-L3-UP-C12.6-HS-231215-LA	12/15/2023	6	A/B	61
CLEAR-SCAF-Z6EAB-L6-231215	12/15/2023	6	A/B	830
CLEAR-ENC-Z6EAB-L6-231215	12/15/2023	6	A/B	400
CLEAR-AFRAME-C13E-MED-L2-INT-0 TO 0.5-231215-FB	12/15/2023	6	A/B	380
CLEAR-AFRAME-C13E-MED-L2-INT-0 TO 0.5-231215-FB-DUP	12/15/2023	6	A/B	350
CLEAR-SCAF-Z6EAB-L3-231215	12/15/2023	6	A/B	870
CLEAR-ENC-Z6EAB-L3-231215	12/15/2023	6	A/B	74
CLEAR-AFRAME-C11E-MED-L1-DN-C11.7-DG-231215-SS	12/15/2023	6	A/B	420
CLEAR-SCAF-Z6EAB-L1-231215	12/15/2023	6	A/B	180
CLEAR-ENC-Z6EAB-L1-231215	12/15/2023	6	A/B	82
CLEAR-ARCH-C12E-DG-5 TO 5.5-231215-FB	12/15/2023	6	A/B	52
CLEAR-SCAF-Z6EAB-L17-231215	12/15/2023	6	A/B	420
CLEAR-ENC-Z6EAB-L17-231215	12/15/2023	6	A/B	140
CLEAR-ARCH-C11E-DG-6 TO 6.5-UP-C11.4-HM-231215	12/15/2023	6	A/B	350
CLEAR-SCAF-Z6EAB-L14-231215	12/15/2023	6	A/B	320
CLEAR-ENC-Z6EAB-L14-231215	12/15/2023	6	A/B	17
CLEAR-ARCH-C13E-DG-7 TO 7.5-231215-FB	12/15/2023	6	A/B	320
CLEAR-SCAF-Z6EAB-L11-231215	12/15/2023	6	A/B	360
CLEAR-ENC-Z6EAB-L11-231215	12/15/2023	6	A/B	92
CLEAR-ARCH-C12E-INT-7.5 TO 9-231215-WF	12/15/2023	6	A/B	78
CLEAR-SCAF-Z6EAB-L8-231215	12/15/2023	6	A/B	55
CLEAR-ENC-Z6EAB-L8-231215	12/15/2023	6	A/B	74
CLEAR-FIELDBLANK-231115-LO	11/15/2023	6	A/B	0.81
CLEAR-MEDBLANK-231115-LO	11/15/2023	6	A/B	<0.50
CLEAR-FIELDBLANK-231215-HO	12/15/2023	6	A/B	<0.50
CLEAR-MEDBLANK-231215-HO	12/15/2023	6	A/B	<0.50
Average Clearance Result: Zone 6 Enclosure A/B [c]				226
ARCH-C13W-DG-2 TO 2.5-240222-FB	02/22/2024	6	C/D	66
CLEAR-SCAF-Z6ECD-L25-240222 [d]	02/22/2024	6	C/D	970-b
CLEAR-SCAF-Z6ECD-L25-240226	02/26/2024	6	C/D	220
CLEAR-ENC-Z6ECD-L25-240222	02/22/2024	6	C/D	9.2
ARCH-C12W-DG-3 TO 3.5-UP-C12.2-VS-240222-LA	02/22/2024	6	C/D	180
CLEAR-SCAF-Z6ECD-L23-240222 [d]	02/22/2024	6	C/D	660-b
CLEAR-SCAF-Z6ECD-L23-240226	02/26/2024	6	C/D	240
CLEAR-ENC-Z6ECD-L23-240222 [d]	02/22/2024	6	C/D	370
CLEAR-ENC-Z6ECD-L23-240226	02/26/2024	6	C/D	16
ARCH-C12W-INT-3.5 TO 4.5-240222-WF	02/22/2024	6	C/D	180



Clearance Wipe Sampling Results - Zone 6 [a]

Hangar 1 NTCRA
Former Naval Air Station Moffett Field, California

Location ID [b]	Sample Date	Zone	Enclosure	Lead
				Result
				µg/ft ²
CLEAR-SCAF-Z6ECD-L20-240222 [d]	02/22/2024	6	C/D	390
CLEAR-SCAF-Z6ECD-L20-240226	02/26/2024	6	C/D	120
CLEAR-ENC-Z6ECD-L20-240222	02/22/2024	6	C/D	370
ARCH-C11W-DG-5 TO 5.5-UP-C11.6-DG-240222-LA	02/22/2024	6	C/D	70
CLEAR-SCAF-Z6ECD-L17-240222	02/22/2024	6	C/D	350
CLEAR-ENC-Z6ECD-L17-240222	02/22/2024	6	C/D	95
ARCH-C12W-EXT-6 TO 7-240223-WF	02/23/2024	6	C/D	75
CLEAR-SCAF-Z6ECD-L14-240223 [d]	02/23/2024	6	C/D	470
CLEAR-SCAF-Z6ECD-L14-240227	02/27/2024	6	C/D	110
CLEAR-ENC-Z6ECD-L14-240223	02/23/2024	6	C/D	25
ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240223-LA	02/23/2024	6	C/D	100
CLEAR-SCAF-Z6ECD-L11-240223 [d]	02/23/2024	6	C/D	540
CLEAR-SCAF-Z6ECD-L11-240227	02/27/2024	6	C/D	370
CLEAR-ENC-Z6ECD-L11-240223	02/23/2024	6	C/D	230
ARCH-C13W-EXT-8 TO 9-240223-WF	02/23/2024	6	C/D	240
CLEAR-SCAF-Z6ECD-L8-240223 [d]	02/23/2024	6	C/D	1100 b
CLEAR-SCAF-Z6ECD-L8-240227	02/27/2024	6	C/D	290
CLEAR-ENC-Z6ECD-L8-240223 [d]	02/23/2024	6	C/D	430
CLEAR-ENC-Z6ECD-L8-240227	02/27/2024	6	C/D	210
CLEAR-ENC-Z6ECD-L8-240223-DUP [d]	02/23/2024	6	C/D	540
CLEAR-ENC-Z6ECD-L8-240227-DUP	02/27/2024	6	C/D	130
AFRAME-C11W-MED-L3-DN-C11.1-DG-240226-LA	02/26/2024	6	C/D	62
CLEAR-SCAF-Z6ECD-L5-240226	02/26/2024	6	C/D	340
CLEAR-ENC-Z6ECD-L5-240226	02/26/2024	6	C/D	92
AFRAME-C12W-MED-L1-HS-3-240226-LA	02/26/2024	6	C/D	6.5
CLEAR-SCAF-Z6ECD-L2-240226	02/26/2024	6	C/D	870 b
CLEAR-ENC-Z6ECD-L2-240226	02/26/2024	6	C/D	23
AFRAME-C12W-MED-L1-DN-C12.7-DG-240226-SS	02/26/2024	6	C/D	220
AFRAME-C12W-MED-L1-DN-C12.7-DG-240226-DUP-SS	02/26/2024	6	C/D	200
CLEAR-SCAF-Z6ECD-L0-240226	02/26/2024	6	C/D	660 b
CLEAR-ENC-Z6ECD-L0-240226	02/26/2024	6	C/D	170
CLEAR-FIELDBLANK-240222-LO	02/22/2024	6	C/D	<0.50
CLEAR-MEDBLANK-240222-LO	02/22/2024	6	C/D	<0.50
CLEAR-FIELDBLANK-240226-HO	02/26/2024	6	C/D	<0.50
CLEAR-MEDBLANK-240226-HO	02/26/2024	6	C/D	<0.50
Average Clearance Result: Zone 6 Enclosure C/D [c]				160

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.

[d] The indicated location was re-cleaned and re-sampled. The original clearance sampling result and locations that were re-cleaned and re-sampled were not included in the calculation of the average concentration.

Bolded values indicate constituents detected above laboratory reporting limits.

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



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

enthalpy.com

Lab Job Number : 496058
Report Level : II
Report Date : 03/22/2024

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 #: 496058 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 11/15/23
--	--

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C11E-DG-1.5 TO2-DN-C11.7-DG-231115-L-LA	496058-001	11/15/23 07:50	Wipe
CLEAR-SCAF-Z6EAB-L26-231115-L	496058-002	11/15/23 07:55	Wipe
CLEAR-ENC-Z6EAB-L26-231115-L	496058-003	11/15/23 08:00	Wipe
CLEAR-ARCH-C12E-DG-3 TO3.5-UP-C12.3-DG-231115-L-LA	496058-004	11/15/23 08:05	Wipe
CLEAR-SCAF-Z6EAB-L23-231115-L	496058-005	11/15/23 08:10	Wipe
CLEAR-ENC-Z6EAB-L23-231115-L	496058-006	11/15/23 08:15	Wipe
CLEAR-ARCH-C12E-INT-3.5 TO 4.5-231115-L-WF	496058-007	11/15/23 08:20	Wipe
CLEAR-SCAF-Z6EAB-L20-231115-L	496058-008	11/15/23 08:25	Wipe
CLEAR-ENC-Z6EAB-L20-231115-L	496058-009	11/15/23 08:30	Wipe
CLEAR-ENC-Z6EAB-L20-231115-L-DUP	496058-010	11/15/23 08:30	Wipe
CLEAR-FIELDBLANK-231115-L-LO	496058-011	11/15/23 07:45	Wipe
CLEAR-MEDBLANK-231115-L-LO	496058-012	11/15/23 08:55	Wipe

Case Narrative

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

Lab Job 496058
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

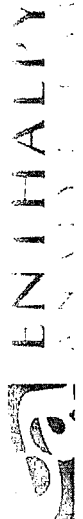
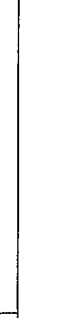
Date Received: 11/15/23

- This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 11/16/23. The samples were received cold and intact.
- Report reissued on 3-22-2024 to update sample IDs.

Metals (EPA 6010B):

No analytical problems were encountered.

496058

 Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
		Page: 1 of 1	COC ID: 1	Standard: 5 Day: 1 Day: 3 Day: X (Pb) same-day	Custom TAT: X (Pb) same-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: (lb use only)	
PROJECT INFORMATION		Analysis Request		Test Instructions / Comments	
Company: Rincon Consultants, Inc.	Quote #: RIN031721	Lead - EPA Method 3050/5010B		Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft ² basis	
Report To: Lindsay Parker	Proj. Name: Hangar 1 - NCTRA WP			HOLD	
Email: lparker@rinconconsultants.com	Proj. #: 20-10491				
Address: 409 15th Street, Suite 303	P.O. #:				
Oakland, California 94612	Address: 158 Cody Road, Mountain View, CA				
Phone: (651) 890-9556	Global ID:				
Fax:	Sampled By: M. Kim			Wipe samples collected from Zone 6 Enclosure A/B (Low Occupancy)	
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 CLEAR-ARCH-C11E-DG-1.5 TO 2-DN-C11.7-DG-231115-LA	11/15/2023	0750	WP	1	X
2 CLEAR-SCAF-Z6EAB-L26-231115-L	11/15/2023	0755	WP	1	X
3 CLEAR-ENC-Z6EAB-L26-231115-L	11/15/2023	0800	WP	1	X
4 CLEAR-ARCH-C12E-DG-3 TO 3.5-UP-C12.3-DG-231115-LA	11/15/2023	0805	WP	1	X
5 CLEAR-SCAF-Z6EAB-L23-231115-L	11/15/2023	0810	WP	1	X
6 CLEAR-ENC-Z6EAB-L23-231115-L	11/15/2023	0815	WP	1	X
7 CLEAR-ARCH-C12E-INT-3.5 TO 4.5-231115-L-WF	11/15/2023	0820	WP	1	X
8 CLEAR-SCAF-Z6EAB-L20-231115-L	11/15/2023	0825	WP	1	X
9 CLEAR-ENC-Z6EAB-L20-231115-L	11/15/2023	0830	WP	1	X
10 CLEAR-ENC-Z6EAB-L20-231115-L-DUP	11/15/2023	0830	WP	1	X
11 CLEAR-FIELDBLANK-231115-L-LO	11/15/2023	0745	WP	1	X
12 CLEAR-MEDBLANK-231115-L-LO	11/15/2023	0855	WP	1	X
13					
14					
15					
Signature		Print Name		Date / Time	
1 Relinquished By: 	Michaela Kim	Rincon/Env Scientist		11/15/23 @ 10:58	
1 Received By: 	Michaela Kim	Rincon/Env Scientist		11/15/23 10:58	
2 Relinquished By: 	Michaela Kim	Rincon/Env Scientist		11/15/23 12:20	
2 Received By: 	Michaela Kim	Rincon/Env Scientist		11/16/23 10:07	
3 Relinquished By:					
3 Received By:					

[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</u>
Date Received: <u>11/16/23</u>	Sampler's Name Present: ☒ Yes ☐ No

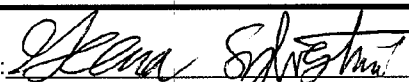
Section 2	
Sample(s) received in a cooler? ☒ Yes, How many? <u>1</u> ☐ No (skip section 2)	Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: <u>4.4</u> #2: _____ #3: _____ #4: _____	
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 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>0.6</u> #2: _____ #3: _____ #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: NOV 16 2023

<https://www.fedex.com/shipping/shipmentConfirmation.action.handle?method=doContinue>

ORIGIN ID: JEMA (510) 486-0900
MACCEWILL YIP
ENTHALPY ANALYTICAL
2323 5TH ST
BERKELEY, CA 94710
UNITED STATES US

TO **SAMPLE RECEIVING**
ENTHALPY ORG
931 WEST BARKLEY AVE
ORANGE CA 92868

SHIP DATE: 15NOV23
ACTWTG: 13.50 LB
CAD: 111682977ANET4660
DIMS: 12x12x12 IN
BILL SENDER

583J5F0B29AE3

FedEx Ship Manager - Print Your Label(s)

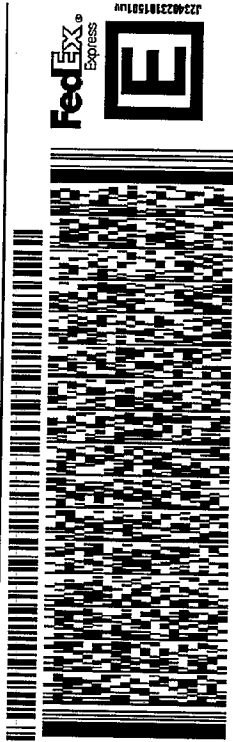
THU - 16 NOV 10:30A

PRIORITY OVERNIGHT

TRK# 7741 2181 1398
0201

92868
SNA
CA-US

92 APVA



TO **SAMPLE RECEIVING**
ENTHALPY.ORG
931 WEST BARKLEY AVE

ORANGE CA 92868

REF: (714) 771-6900

PO: _____ DEPT: _____

4.4/0.6
ice packs
bubble wrap

After printing this label:

1. Use the "Print" button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income, interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Lead

Lab #: 496058		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-C11E-DG-1.5 TO2-DN-C11.7-DG-231115-L-LA		Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-001		Received: 11/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/16/23	
Diln Fac: 1.000		Analyzed: 11/16/23	
496058-001 Analyte		Result	RL Units
Lead		81	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6EAB-L26-231115-L		Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-002		Received: 11/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/16/23	
Diln Fac: 1.000		Analyzed: 11/16/23	
496058-002 Analyte		Result	RL Units
Lead		91	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L26-231115-L		Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-003		Received: 11/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/16/23	
Diln Fac: 10.00		Analyzed: 11/16/23	
496058-003 Analyte		Result	RL Units
Lead		1,500	1.7 ug/ft2
Field ID: CLEAR-ARCH-C12E-DG-3 TO3.5-UP-C12.3-DG-231115-L-LA		Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-004		Received: 11/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/16/23	
Diln Fac: 1.000		Analyzed: 11/16/23	
496058-004 Analyte		Result	RL Units
Lead		52	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6EAB-L23-231115-L		Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-005		Received: 11/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/16/23	
Diln Fac: 1.000		Analyzed: 11/16/23	
496058-005 Analyte		Result	RL Units
Lead		370	0.50 ug/ft2

Lead

Lab #: 496058		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z6EAB-L23-231115-L	Batch#: 326669	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 11/15/23	Analysis: EPA 6010B	
Lab ID: 496058-006	Received: 11/15/23	Analyst: SBW	
Matrix: Wipe	Prepared: 11/16/23		
Diln Fac: 10.00	Analyzed: 11/16/23		
496058-006 Analyte		Result	RL Units
Lead		2,200	1.7 ug/ft2
Field ID: CLEAR-ARCH-C12E-INT-3.5 TO 4.5-231115-L-WF		Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-007		Received: 11/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/16/23	
Diln Fac: 1.000		Analyzed: 11/16/23	
496058-007 Analyte		Result	RL Units
Lead		200	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6EAB-L20-231115-L		Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-008		Received: 11/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/16/23	
Diln Fac: 10.00		Analyzed: 11/16/23	
496058-008 Analyte		Result	RL Units
Lead		650	1.7 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L20-231115-L		Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-009		Received: 11/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/16/23	
Diln Fac: 1.000		Analyzed: 11/16/23	
496058-009 Analyte		Result	RL Units
Lead		180	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L20-231115-L-DUP		Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-010		Received: 11/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/16/23	
Diln Fac: 1.000		Analyzed: 11/16/23	
496058-010 Analyte		Result	RL Units
Lead		280	0.50 ug/ft2

Lead

Lab #: 496058	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-FIELDBLANK-231115-L-LO	Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE	Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-011	Received: 11/15/23	Analyst: SBW
Matrix: Wipe	Prepared: 11/16/23	
Diln Fac: 1.000	Analyzed: 11/16/23	

496058-011 Analyte	Result	RL	Units
Lead	0.81	0.50	ug/ft2

Field ID: CLEAR-MEDBLANK-231115-L-LO	Batch#: 326669	Prep: EPA 3050B
Type: SAMPLE	Sampled: 11/15/23	Analysis: EPA 6010B
Lab ID: 496058-012	Received: 11/15/23	Analyst: SBW
Matrix: Wipe	Prepared: 11/16/23	
Diln Fac: 1.000	Analyzed: 11/16/23	

496058-012 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 326669	Analysis: EPA 6010B
Lab ID: QC1107542	Prepared: 11/16/23	Analyst: SBW
Matrix: Wipe	Analyzed: 11/16/23	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1107542 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 496058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 326669

Analysis: EPA 6010B

Lab ID: QC1107543

Prepared: 11/16/23

Analyst: SBW

Matrix: Wipe

Analyzed: 11/16/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1107543 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.69	103	80-120	ug/ft2

Type: BSD

Batch#: 326669

Analysis: EPA 6010B

Lab ID: QC1107544

Prepared: 11/16/23

Analyst: SBW

Matrix: Wipe

Analyzed: 11/16/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1107544 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.10	102	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: 496360
Report Level: II
Report Date: 11/21/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

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

Lab Job #: 496360
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 11/20/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-ENC-Z6EAB-L26-231120-L	496360-001	11/20/23 07:05	Wipe
CLEAR-SCAF-Z6EAB-L23-231120-L	496360-002	11/20/23 07:15	Wipe
CLEAR-ENC-Z6EAB-L23-231120-L	496360-003	11/20/23 07:20	Wipe
CLEAR-SCAF-Z6EAB-L20-231120-L	496360-004	11/20/23 07:30	Wipe
CLEAR-ENC-Z6EAB-L20-231120-L	496360-005	11/20/23 07:35	Wipe
CLEAR-ENC-Z6EAB-L20-231120-L-DUP	496360-006	11/20/23 07:40	Wipe

Case Narrative

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

Lab Job Number: 496360
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 11/20/23

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 11/21/23. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

496360

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:
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: (lab use only)
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Report Level II	
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 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: D. Walsh	
ANALYSIS REQUEST Lead - EPA Method 3050/6010B		TEST INSTRUCTIONS / COMMENTS Clearance Wipe Samples - Level II Report/Sage 2A Validation Report lead concentrations on a µg/ft ² basis Wipe samples collected from Zone 6 Enclosure A/B (Low Occupancy)	
SAMPLE ID 1 CLEAR-ENC-Z6EAB-L26-231120-L 2 CLEAR-SCAF-Z6EAB-L23-231120-L 3 CLEAR-ENC-Z6EAB-L23-231120-L 4 CLEAR-SCAF-Z6EAB-L20-231120-L 5 CLEAR-ENC-Z6EAB-L20-231120-L 6 CLEAR-ENC-Z6EAB-L20-231120-L-DUP		SAMPLING TIME 0705 0715 0720 0730 0735 0740	
MATRIX WP WP WP WP WP WP		CONTAINER NO. / SIZE 1 1 1 1 1 1	
PRES. X X X X X X		DATE / TIME 11/20/23 11/20/23 11/20/23 11/20/23 11/20/23 11/20/23	
SIGNATURE [Signature] [Signature] [Signature] [Signature] [Signature] [Signature]		COMPANY / TITLE Rincon Consultants / Enr. Sci ENTHALPY ENTHALPY EA EA EA	
RELINQUISHED BY: 1 Relinquished By: 1 Received By: 2 Relinquished By: 2 Received By: 3 Relinquished By: 3 Received By:		DATE / TIME 11/20/23 12:55 11/20/23 12:55 11/20/23 15:26 11/20/23 15:26 11/20/23 15:29 11/20/23 09:48	



ENTHALPY

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 NTCRA
Date Received: 11/21/23	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>7.2</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: FedEx	

Section 3	
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other	
Cooler Temp (°C): #1: <u>0.7</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
496360

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: *Arana Sykes* Date: NOV 21 2023

ORIGIN ID: JEMA (510) 486-0900
MACCEWILL YIP
ENTHALPY ANALYTICAL
2323 5TH ST

BERKELEY, CA 94710
UNITED STATES US

TO ELITE SR

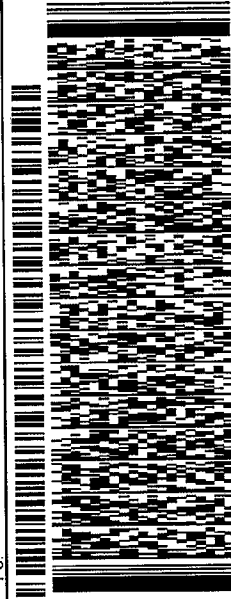
ENTHALPY ORG
931 WEST BARKLEY AVE

ORANGE CA 92868

REF: (714) 771-6900

INV: PO:

DEPT:



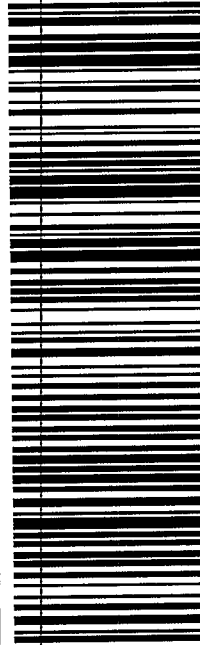
TUE - 21 NOV 10:30A

PRIORITY OVERNIGHT

TRK# 7741 7700 6437

92868
CA-US SNA

92 APVA



SHIP DATE: 20NOV23
ACTWGT: 8.00 LB
CAD: 111682977/NET4660
DIMS: 12x12x12 IN

BILL SENDER

583J5F0B29AE3

FedEx Ship Manager - Print Your Label(s)

11/20/23, 3:35 PM

After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.

2. Fold the printed page along the horizontal line.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on FedEx.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Lead

Lab #: 496360		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z6EAB-L26-231120-L	Batch#: 326985	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 11/20/23	Analysis: EPA 6010B	
Lab ID: 496360-001	Received: 11/20/23	Analyst: SBW	
Matrix: Wipe	Prepared: 11/21/23		
Diln Fac: 1.000	Analyzed: 11/21/23		
496360-001 Analyte		Result	RL Units
Lead		37	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6EAB-L23-231120-L		Batch#: 326985	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/20/23	Analysis: EPA 6010B
Lab ID: 496360-002		Received: 11/20/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/21/23	
Diln Fac: 10.00		Analyzed: 11/21/23	
496360-002 Analyte		Result	RL Units
Lead		1,300	1.7 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L23-231120-L		Batch#: 326985	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/20/23	Analysis: EPA 6010B
Lab ID: 496360-003		Received: 11/20/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/21/23	
Diln Fac: 1.000		Analyzed: 11/21/23	
496360-003 Analyte		Result	RL Units
Lead		110	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6EAB-L20-231120-L		Batch#: 326985	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/20/23	Analysis: EPA 6010B
Lab ID: 496360-004		Received: 11/20/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/21/23	
Diln Fac: 1.000		Analyzed: 11/21/23	
496360-004 Analyte		Result	RL Units
Lead		240	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L20-231120-L		Batch#: 326985	Prep: EPA 3050B
Type: SAMPLE		Sampled: 11/20/23	Analysis: EPA 6010B
Lab ID: 496360-005		Received: 11/20/23	Analyst: SBW
Matrix: Wipe		Prepared: 11/21/23	
Diln Fac: 1.000		Analyzed: 11/21/23	
496360-005 Analyte		Result	RL Units
Lead		170	0.50 ug/ft2

Lead

Lab #: 496360	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z6EAB-L20-231120-L-DUP	Batch#: 326985	Prep: EPA 3050B
Type: SAMPLE	Sampled: 11/20/23	Analysis: EPA 6010B
Lab ID: 496360-006	Received: 11/20/23	Analyst: SBW
Matrix: Wipe	Prepared: 11/21/23	
Diln Fac: 1.000	Analyzed: 11/21/23	

496360-006 Analyte	Result	RL	Units
Lead	23	0.50	ug/ft2

Type: BLANK	Batch#: 326985	Analysis: EPA 6010B
Lab ID: QC1108627	Prepared: 11/21/23	Analyst: SBW
Matrix: Wipe	Analyzed: 11/21/23	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1108627 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 496360

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 326985

Analysis: EPA 6010B

Lab ID: QC1108628

Prepared: 11/21/23

Analyst: SBW

Matrix: Wipe

Analyzed: 11/21/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1108628 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.06	104	80-120	ug/ft2

Type: BSD

Batch#: 326985

Analysis: EPA 6010B

Lab ID: QC1108629

Prepared: 11/21/23

Analyst: SBW

Matrix: Wipe

Analyzed: 11/21/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1108629 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.96	110	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: 496614
Report Level: II
Report Date: 11/28/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1
NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

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

Lab Job #: 496614
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 11/27/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-SCAF-Z6EAB-L23-231127-L	496614-001	11/27/23 12:05	Wipe

Case Narrative

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

Lab Job 496614
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 11/27/23

This data package contains sample and QC results for one wipe sample, requested for the above referenced project on 11/28/23. The sample was received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

496614

 ENTHALPY ANALYTICAL		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 (Pb) same-day						
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking 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)							
CUSTOMER INFORMATION		PROJECT INFORMATION			Analysis Request						Test Instructions / Comments				
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721			Lead - EPA Method 3050/6010B HOLD						Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft ² basis			
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP												
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491												
Address:	449 15th Street, Suite 303	P.O. #:													
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA												
Phone:	(651) 890-9556	Global ID:										Wipe samples collected from Zone 6 Enclosure A/B (Low Occupancy)			
Fax:		Sampled By:													
Sample ID		Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.									
1 CLEAR-SCAF-Z6EAB-L23-231127-L		11/27/2023	1205	WP	I		X								
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
Signature		Print Name		Company / Title		Date / Time									
1 Relinquished By:		Michael King		Rincon / Env Scientist		11/27/23 @ 1456									
1 Received By:		[Signature]		EA		11/27/23 1456									
2 Relinquished By:		[Signature]		EA		11/27/23 15:06									
2 Received By:		G. King		EA		11/28/23 1000									
3 Relinquished By:															
3 Received By:															

5 of 9



SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: Rincon Consultants Project: Hangar 1 NTCRA
 Date Received: 11/28/23 Sampler's Name Present: ☐ Yes ☒ No

Section 2
 Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
 Sample Temp (°C), One from each cooler: #1: 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: Southwest Airlines

Section 3
 Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
 Cooler Temp (°C): #1: 2.3 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments
496614

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: NOV 28 2023

SOUTHWEST AIRLINES

Printed on:
27 NOV 19:18

526 OAK 9620 2676



SNA				PC#
				9 OF
				16
				DG
				G
				LOT WT
				660 LB
				(299.4 KG)
OAK	WN 804	28 NOV	06:10	
STN	FLT	DATE	ETD	LOT 01

23/23



PC ID: 0009
PC WT: 41LB

526 96202676 0009

S

12

Lead

Lab #: 496614	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z6EAB-L23-231127-L	Batch#: 327272	Prep: EPA 3050B
Type: SAMPLE	Sampled: 11/27/23	Analysis: EPA 6010B
Lab ID: 496614-001	Received: 11/27/23	Analyst: JCP
Matrix: Wipe	Prepared: 11/28/23	
Diln Fac: 1.000	Analyzed: 11/28/23	

496614-001 Analyte	Result	RL	Units
Lead	230	0.50	ug/ft2

Type: BLANK	Batch#: 327272	Analysis: EPA 6010B
Lab ID: QC1109672	Prepared: 11/28/23	Analyst: JCP
Matrix: Wipe	Analyzed: 11/28/23	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1109672 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 496614

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 327272

Analysis: EPA 6010B

Lab ID: QC1109673

Prepared: 11/28/23

Analyst: JCP

Matrix: Wipe

Analyzed: 11/28/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1109673 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	110.5	110	80-120	ug/ft2

Type: BSD

Batch#: 327272

Analysis: EPA 6010B

Lab ID: QC1109674

Prepared: 11/28/23

Analyst: JCP

Matrix: Wipe

Analyzed: 11/28/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1109674 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	108.6	109	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: 497804
Report Level: II
Report Date: 12/18/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

Sample Summary

Austin Moore Rincon Consultants 449 15th Street #303 Oakland, CA 94612	Lab Job #: 497804 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 12/15/23
--	--

Sample ID	Lab ID	Collected	Matrix
CLEAR-AFRAME-C12E-LAT-L3-UP-C12.6-HS-231215-L-LA	497804-001	12/15/23 08:15	Wipe
CLEAR-SCAF-Z6EAB-L6-231215-L	497804-002	12/15/23 08:20	Wipe
CLEAR-ENC-Z6EAB-L6-231215-L	497804-003	12/15/23 08:25	Wipe
CLEAR-AFRAME-C13E-MED-L2-INT-0 TO 0.5-231215-L-FB	497804-004	12/15/23 11:35	Wipe
CLEAR-AFRAME-C13E-MED-L2-INT-0 TO 0.5-231215-L-DUP	497804-005	12/15/23 11:35	Wipe
CLEAR-SCAF-Z6EAB-L3-231215-L	497804-006	12/15/23 11:40	Wipe
CLEAR-ENC-Z6EAB-L3-231215-L	497804-007	12/15/23 11:45	Wipe
CLEAR-AFRAME-C11E-MED-L1-DN-C11.7-DG-231215-L-SS	497804-008	12/15/23 12:10	Wipe
CLEAR-SCAF-Z6EAB-L1-231215-L	497804-009	12/15/23 12:15	Wipe
CLEAR-ENC-Z6EAB-L1-231215-L	497804-010	12/15/23 12:30	Wipe
CLEAR-FIELDBLANK-231215-L-HO	497804-011	12/15/23 12:35	Wipe
CLEAR-MEDBLANK-231215-L-HO	497804-012	12/15/23 12:55	Wipe

Case Narrative

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

Lab Job 497804
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 12/15/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 12/18/23. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

The below sample checklist was completed after samples were delivered 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>12/15/13</u> Login # <u>497804</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>12/15/13</u> By (print) <u>MY</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>12/15/13</u> By (print) <u>MY</u> (sign) _____			
Date Labeled <u>12/15/13</u> By (print) <u>MY</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: Rincon Consultants

Project: Hangar 1 NTCRA

Date Received: 12/16/23

Sampler's Name Present: ☐ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C)
(No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 3.2 #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: 1.5 #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?	✓		

AS 12/16/23

Section 5 Explanations/Comments

497804

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: 12/16/23



151966 1004

SOUTHWEST AIRLINES

Printed on:

15 DEC 19:16

526 OAK 9686 0691



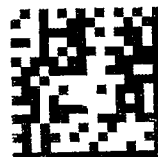
ONT

3.2/1.7

PC# 6 OF 8 DG G LOT WT 275 LB (124.7 KG)

OAK WN 3122 15 DEC 21:00

STN FLT DATE ETD LOT 01



PC ID: 0006
PC WT: 34LB

526 96860691 0006

S

Lead

Lab #: 497804		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-AFRAME-C12E-LAT-L3-UP-C12.6-HS-231215-L-LA	Batch#: 328617	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 12/15/23	Analysis: EPA 6010B	
Lab ID: 497804-001	Received: 12/15/23	Analyst: SBW	
Matrix: Wipe	Prepared: 12/16/23		
Diln Fac: 1.000	Analyzed: 12/18/23		
497804-001 Analyte		Result	RL Units
Lead		61	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6EAB-L6-231215-L		Batch#: 328617	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 497804-002		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 10.00		Analyzed: 12/18/23	
497804-002 Analyte		Result	RL Units
Lead		830	2.3 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L6-231215-L		Batch#: 328617	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 497804-003		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
497804-003 Analyte		Result	RL Units
Lead		400	0.50 ug/ft2
Field ID: CLEAR-AFRAME-C13E-MED-L2-INT-0 TO 0.5-231215-L-FB		Batch#: 328617	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 497804-004		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
497804-004 Analyte		Result	RL Units
Lead		380	0.50 ug/ft2
Field ID: CLEAR-AFRAME-C13E-MED-L2-INT-0 TO 0.5-231215-L-DUP		Batch#: 328617	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 497804-005		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
497804-005 Analyte		Result	RL Units
Lead		350	0.50 ug/ft2

Lead

Lab #: 497804		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z6EAB-L3-231215-L	Batch#: 328617	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 12/15/23	Analysis: EPA 6010B	
Lab ID: 497804-006	Received: 12/15/23	Analyst: SBW	
Matrix: Wipe	Prepared: 12/16/23		
Diln Fac: 10.00	Analyzed: 12/18/23		
497804-006 Analyte		Result	RL Units
Lead		870	2.3 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L3-231215-L		Batch#: 328617	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 497804-007		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
497804-007 Analyte		Result	RL Units
Lead		74	0.50 ug/ft2
Field ID: CLEAR-AFRAME-C11E-MED-L1-DN-C11.7-DG-231215-L-SS		Batch#: 328617	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 497804-008		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 10.00		Analyzed: 12/18/23	
497804-008 Analyte		Result	RL Units
Lead		420	2.3 ug/ft2
Field ID: CLEAR-SCAF-Z6EAB-L1-231215-L		Batch#: 328617	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 497804-009		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
497804-009 Analyte		Result	RL Units
Lead		180	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L1-231215-L		Batch#: 328617	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 497804-010		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
497804-010 Analyte		Result	RL Units
Lead		82	0.50 ug/ft2

Lead

Lab #: 497804		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-FIELDBLANK-231215-L-HO	Batch#: 328617	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 12/15/23	Analysis: EPA 6010B	
Lab ID: 497804-011	Received: 12/15/23	Analyst: SBW	
Matrix: Wipe	Prepared: 12/16/23		
Diln Fac: 1.000	Analyzed: 12/18/23		
497804-011 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Field ID: CLEAR-MEDBLANK-231215-L-HO		Batch#: 328617	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 497804-012		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
497804-012 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Type: BLANK	Batch#: 328617	Analysis: EPA 6010B	
Lab ID: QC1114011	Prepared: 12/16/23	Analyst: SBW	
Matrix: Wipe	Analyzed: 12/18/23		
Diln Fac: 1.000	Prep: EPA 3050B		
QC1114011 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Legend ND: Not Detected RL: Reporting Limit			

Lead: Batch QC

Lab #: 497804

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 328617

Analysis: EPA 6010B

Lab ID: QC1114012

Prepared: 12/16/23

Analyst: SBW

Matrix: Wipe

Analyzed: 12/18/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1114012 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	54.49	109	80-120	ug/ft2

Type: BSD

Batch#: 328617

Analysis: EPA 6010B

Lab ID: QC1114013

Prepared: 12/16/23

Analyst: SBW

Matrix: Wipe

Analyzed: 12/18/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1114013 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.47	109	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 : 498101
Report Level : II
Report Date : 03/22/2024

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 #: 498101 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 12/15/23
--	--

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C12E-DG-5 TO 5.5-231215-L-FB	498101-001	12/15/23 07:10	Wipe
CLEAR-SCAF-Z6EAB-L17-231215-L	498101-002	12/15/23 07:15	Wipe
CLEAR-ENC-Z6EAB-L17-231215-L	498101-003	12/15/23 07:20	Wipe
CLEAR-ARCH-C11E-DG-6 TO 6.5-UP-C11.4-HM-231215-L-LA	498101-004	12/15/23 07:25	Wipe
CLEAR-SCAF-Z6EAB-L14-231215-L	498101-005	12/15/23 07:30	Wipe
CLEAR-ENC-Z6EAB-L14-231215-L	498101-006	12/15/23 07:35	Wipe
CLEAR-ARCH-C13E-DG-7 TO 7.5-231215-L-FB	498101-007	12/15/23 07:40	Wipe
CLEAR-SCAF-Z6EAB-L11-231215-L	498101-008	12/15/23 07:45	Wipe
CLEAR-ENC-Z6EAB-L11-231215-L	498101-009	12/15/23 07:50	Wipe
CLEAR-ARCH-C12E-INT-7.5 TO 9-231215-L-WF	498101-010	12/15/23 07:55	Wipe
CLEAR-SCAF-Z6EAB-L8-231215-L	498101-011	12/15/23 08:00	Wipe
CLEAR-ENC-Z6EAB-L8-231215-L	498101-012	12/15/23 08:05	Wipe

Case Narrative

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

Lab Job 498101
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 12/15/23

- This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 12/18/23. The samples were received cold and intact.
- Report reissued on 3-22-2024 to update sample IDs.

Metals (EPA 6010B):

No analytical problems were encountered.

931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-5900

4 of 11



5 of 11

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: 12/16/23 Sampler's Name Present: ☒ Yes ☐ No

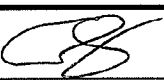
Section 2
 Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
 Sample Temp (°C), One from each cooler: #1: 3.2 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not 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: 6.7 #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
 498101

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: 12/16/23

151886 1000

SOUTHWEST AIRLINES

Printed on:
15 DEC 19:16

526 OAK 9686 0691



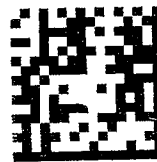
ONT

3.2/1.7

PC#	DG	LOT WT
6 OF	8 G	275 LB
(124.7 KG)		

OAK WN 3122 15 DEC 21:00

STN	FLT	DATE	ETD	LOT 01
-----	-----	------	-----	--------



PC ID: 0006
PC WT: 34LB

S

526 96860691 0006

Lead

Lab #: 498101		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-C12E-DG-5 TO 5.5-231215-L-FB		Batch#: 328618	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 498101-001		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
498101-001 Analyte		Result	RL Units
Lead		52	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6EAB-L17-231215-L		Batch#: 328618	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 498101-002		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
498101-002 Analyte		Result	RL Units
Lead		420	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L17-231215-L		Batch#: 328618	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 498101-003		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
498101-003 Analyte		Result	RL Units
Lead		140	0.50 ug/ft2
Field ID: CLEAR-ARCH-C11E-DG-6 TO 6.5-UP-C11.4-HM-231215-L-L		Batch#: 328618	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 498101-004		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
498101-004 Analyte		Result	RL Units
Lead		350	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6EAB-L14-231215-L		Batch#: 328618	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 498101-005		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
498101-005 Analyte		Result	RL Units
Lead		320	0.50 ug/ft2

Lead

Lab #: 498101		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z6EAB-L14-231215-L	Batch#: 328618	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 12/15/23	Analysis: EPA 6010B	
Lab ID: 498101-006	Received: 12/15/23	Analyst: SBW	
Matrix: Wipe	Prepared: 12/16/23		
Diln Fac: 1.000	Analyzed: 12/18/23		
498101-006 Analyte		Result	RL Units
Lead		17	0.50 ug/ft2
Field ID: CLEAR-ARCH-C13E-DG-7 TO 7.5-231215-L-FB		Batch#: 328618	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 498101-007		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
498101-007 Analyte		Result	RL Units
Lead		320	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6EAB-L11-231215-L		Batch#: 328618	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 498101-008		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
498101-008 Analyte		Result	RL Units
Lead		360	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L11-231215-L		Batch#: 328618	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 498101-009		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
498101-009 Analyte		Result	RL Units
Lead		92	0.50 ug/ft2
Field ID: CLEAR-ARCH-C12E-INT-7.5 TO 9-231215-L-WF		Batch#: 328618	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 498101-010		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
498101-010 Analyte		Result	RL Units
Lead		78	0.50 ug/ft2

Lead

Lab #: 498101		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z6EAB-L8-231215-L	Batch#: 328618	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 12/15/23	Analysis: EPA 6010B	
Lab ID: 498101-011	Received: 12/15/23	Analyst: SBW	
Matrix: Wipe	Prepared: 12/16/23		
Diln Fac: 1.000	Analyzed: 12/18/23		
498101-011 Analyte		Result	RL Units
Lead		55	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6EAB-L8-231215-L		Batch#: 328618	Prep: EPA 3050B
Type: SAMPLE		Sampled: 12/15/23	Analysis: EPA 6010B
Lab ID: 498101-012		Received: 12/15/23	Analyst: SBW
Matrix: Wipe		Prepared: 12/16/23	
Diln Fac: 1.000		Analyzed: 12/18/23	
498101-012 Analyte		Result	RL Units
Lead		74	0.50 ug/ft2
Type: BLANK		Batch#: 328618	Analysis: EPA 6010B
Lab ID: QC1114014		Prepared: 12/16/23	Analyst: SBW
Matrix: Wipe		Analyzed: 12/18/23	
Diln Fac: 1.000		Prep: EPA 3050B	
QC1114014 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 498101

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1114015

Matrix: Wipe

Diln Fac: 1.000

Batch#: 328618

Prepared: 12/16/23

Analyzed: 12/18/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1114015 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.43	107	80-120	ug/ft2

Type: BSD

Lab ID: QC1114016

Matrix: Wipe

Diln Fac: 1.000

Batch#: 328618

Prepared: 12/16/23

Analyzed: 12/18/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1114016 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	52.96	106	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 : 502954
Report Level : II
Report Date : 03/22/2024

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 #: 502954 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 02/22/24
--	--

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C13W-DG-2 TO 2.5-240222-L-FB	502954-001	02/22/24 08:45	Wipe
CLEAR-SCAF-Z6ECD-L25-240222-L	502954-002	02/22/24 08:50	Wipe
CLEAR-ENC-Z6ECD-L25-240222-L	502954-003	02/22/24 08:55	Wipe
CLEAR-ARCH-C12W-DG-3 TO3.5-UP-C12.2-VS-240222-L-LA	502954-004	02/22/24 09:00	Wipe
CLEAR-SCAF-Z6ECD-L23-240222-L	502954-005	02/22/24 09:05	Wipe
CLEAR-ENC-Z6ECD-L23-240222-L	502954-006	02/22/24 09:10	Wipe
CLEAR-ARCH-C12W-INT-3.5 TO 4.5-240222-L-WF	502954-007	02/22/24 09:15	Wipe
CLEAR-SCAF-Z6ECD-L20-240222-L	502954-008	02/22/24 09:20	Wipe
CLEAR-ENC-Z6ECD-L20-240222-L	502954-009	02/22/24 09:25	Wipe
CLEAR-ARCH-C11W-DG-5 TO5.5-UP-C11.6-DG-240222-L-LA	502954-010	02/22/24 09:35	Wipe
CLEAR-SCAF-Z6ECD-L17-240222-L	502954-011	02/22/24 09:40	Wipe
CLEAR-ENC-Z6ECD-L17-240222-L	502954-012	02/22/24 09:45	Wipe
CLEAR-FIELDBLANK-240222-L-LO	502954-013	02/22/24 09:50	Wipe
CLEAR-MEDBLANK-240222-L-LO	502954-014	02/22/24 10:25	Wipe

Case Narrative

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

Lab Job 502954
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 02/22/24

- This data package contains sample and QC results for fourteen wipe samples, requested for the above referenced project on 02/23/24. The samples were received cold and intact.
- Report reissued on 3-22-2024 to update sample IDs.

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.

502954

Chain of Custody Record				Turn Around Time (rush by advanced notice only)											
COC ID:				Standard:											
Page: 1 of 2				3 Day: 5 Day: 1 Day: Custom TAT: X (same-day)											
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. Wells				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 µg/ft² basis Wipe samples collected from Zone 6 Enclosure C/D (Low Occupancy)			
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721	Matrix:	WP	Container No. / Size:	1	Pres:							
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP	Matrix:	WP	Container No. / Size:	1	Pres:							
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491	Matrix:	WP	Container No. / Size:	1	Pres:							
Address:	449 15th Street, Suite 303 Oakland, California 94612	P.O. #:		Matrix:	WP	Container No. / Size:	1	Pres:							
Phone:	(651) 890-9556	Address:	158 Cody Road, Mountain View, CA	Matrix:	WP	Container No. / Size:	1	Pres:							
Fax:		Global ID:		Matrix:	WP	Container No. / Size:	1	Pres:							
		Sampled By:	D. Wells	Matrix:	WP	Container No. / Size:	1	Pres:							
		Sampling Date	2/22/2024	Sampling Time	0845	Matrix	WP	Container No. / Size	1	Pres					
		Sample ID	ARCH-C13W-DG-2 TO 2 S-240222-L-FB												
			CLEAR-SCAF-Z6ECD-L25-240222-L												
			CLEAR-ENC-Z6ECD-L25-240222-L												
			ARCH-C12W-DG-3 TO 3 S-UP-C12 2-NS-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L23-240222-L												
			CLEAR-ENC-Z6ECD-L23-240222-L												
			ARCH-C11W-DG-5 TO 5 S-240222-L-WF												
			CLEAR-SCAF-Z6ECD-L20-240222-L												
			CLEAR-ENC-Z6ECD-L20-240222-L												
			ARCH-C11W-DG-5 TO 5 S-UP-C11 6-DG-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L17-240222-L												
			CLEAR-ENC-Z6ECD-L17-240222-L												
			ARCH-C13W-DG-2 TO 2 S-240222-L-FB												
			CLEAR-SCAF-Z6ECD-L25-240222-L												
			CLEAR-ENC-Z6ECD-L25-240222-L												
			ARCH-C12W-DG-3 TO 3 S-UP-C12 2-NS-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L23-240222-L												
			CLEAR-ENC-Z6ECD-L23-240222-L												
			ARCH-C11W-DG-5 TO 5 S-240222-L-WF												
			CLEAR-SCAF-Z6ECD-L20-240222-L												
			CLEAR-ENC-Z6ECD-L20-240222-L												
			ARCH-C11W-DG-5 TO 5 S-UP-C11 6-DG-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L17-240222-L												
			CLEAR-ENC-Z6ECD-L17-240222-L												
			ARCH-C13W-DG-2 TO 2 S-240222-L-FB												
			CLEAR-SCAF-Z6ECD-L25-240222-L												
			CLEAR-ENC-Z6ECD-L25-240222-L												
			ARCH-C12W-DG-3 TO 3 S-UP-C12 2-NS-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L23-240222-L												
			CLEAR-ENC-Z6ECD-L23-240222-L												
			ARCH-C11W-DG-5 TO 5 S-240222-L-WF												
			CLEAR-SCAF-Z6ECD-L20-240222-L												
			CLEAR-ENC-Z6ECD-L20-240222-L												
			ARCH-C11W-DG-5 TO 5 S-UP-C11 6-DG-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L17-240222-L												
			CLEAR-ENC-Z6ECD-L17-240222-L												
			ARCH-C13W-DG-2 TO 2 S-240222-L-FB												
			CLEAR-SCAF-Z6ECD-L25-240222-L												
			CLEAR-ENC-Z6ECD-L25-240222-L												
			ARCH-C12W-DG-3 TO 3 S-UP-C12 2-NS-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L23-240222-L												
			CLEAR-ENC-Z6ECD-L23-240222-L												
			ARCH-C11W-DG-5 TO 5 S-240222-L-WF												
			CLEAR-SCAF-Z6ECD-L20-240222-L												
			CLEAR-ENC-Z6ECD-L20-240222-L												
			ARCH-C11W-DG-5 TO 5 S-UP-C11 6-DG-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L17-240222-L												
			CLEAR-ENC-Z6ECD-L17-240222-L												
			ARCH-C13W-DG-2 TO 2 S-240222-L-FB												
			CLEAR-SCAF-Z6ECD-L25-240222-L												
			CLEAR-ENC-Z6ECD-L25-240222-L												
			ARCH-C12W-DG-3 TO 3 S-UP-C12 2-NS-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L23-240222-L												
			CLEAR-ENC-Z6ECD-L23-240222-L												
			ARCH-C11W-DG-5 TO 5 S-240222-L-WF												
			CLEAR-SCAF-Z6ECD-L20-240222-L												
			CLEAR-ENC-Z6ECD-L20-240222-L												
			ARCH-C11W-DG-5 TO 5 S-UP-C11 6-DG-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L17-240222-L												
			CLEAR-ENC-Z6ECD-L17-240222-L												
			ARCH-C13W-DG-2 TO 2 S-240222-L-FB												
			CLEAR-SCAF-Z6ECD-L25-240222-L												
			CLEAR-ENC-Z6ECD-L25-240222-L												
			ARCH-C12W-DG-3 TO 3 S-UP-C12 2-NS-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L23-240222-L												
			CLEAR-ENC-Z6ECD-L23-240222-L												
			ARCH-C11W-DG-5 TO 5 S-240222-L-WF												
			CLEAR-SCAF-Z6ECD-L20-240222-L												
			CLEAR-ENC-Z6ECD-L20-240222-L												
			ARCH-C11W-DG-5 TO 5 S-UP-C11 6-DG-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L17-240222-L												
			CLEAR-ENC-Z6ECD-L17-240222-L												
			ARCH-C13W-DG-2 TO 2 S-240222-L-FB												
			CLEAR-SCAF-Z6ECD-L25-240222-L												
			CLEAR-ENC-Z6ECD-L25-240222-L												
			ARCH-C12W-DG-3 TO 3 S-UP-C12 2-NS-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L23-240222-L												
			CLEAR-ENC-Z6ECD-L23-240222-L												
			ARCH-C11W-DG-5 TO 5 S-240222-L-WF												
			CLEAR-SCAF-Z6ECD-L20-240222-L												
			CLEAR-ENC-Z6ECD-L20-240222-L												
			ARCH-C11W-DG-5 TO 5 S-UP-C11 6-DG-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L17-240222-L												
			CLEAR-ENC-Z6ECD-L17-240222-L												
			ARCH-C13W-DG-2 TO 2 S-240222-L-FB												
			CLEAR-SCAF-Z6ECD-L25-240222-L												
			CLEAR-ENC-Z6ECD-L25-240222-L												
			ARCH-C12W-DG-3 TO 3 S-UP-C12 2-NS-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L23-240222-L												
			CLEAR-ENC-Z6ECD-L23-240222-L												
			ARCH-C11W-DG-5 TO 5 S-240222-L-WF												
			CLEAR-SCAF-Z6ECD-L20-240222-L												
			CLEAR-ENC-Z6ECD-L20-240222-L												
			ARCH-C11W-DG-5 TO 5 S-UP-C11 6-DG-240222-L-LA												
			CLEAR-SCAF-Z6ECD-L17-240222-L												
			CLEAR-ENC-Z6ECD-L17-240222-L												
			ARCH-C13W-DG-2 TO 2 S-240222-L-FB												
			CLEAR-SCAF-Z6ECD-L25-240222-L												
			CLEAR-ENC-Z6ECD-L25-240222-L												
			ARCH-C12W-DG-3 TO 3 S-UP-C12 2-NS-240222-L-LA												

502954

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID:		5 Day:	3 Day:		
Page:	2 of 2	1 Day:	Custom TAT:		
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 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)			
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			
PROJECT INFORMATION		Analysis Request			
Quote #:	RIN031721	Clearance Wipe Samples - Level II			
Proj. Name:	Hangar 1 - NCTRA WP	Report/Stage 2A Validation			
Proj. #:	20-10491	Report lead concentrations on a µg/ft ² basis			
P.O. #:		Wipe samples collected from Zone 6 Enclosure C/D (Low Occupancy)			
Address:	158 Cody Road, Mountain View, CA				
Global ID:					
Sampled By:	DWOL				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
16 ARCH-CLW-DG-7-TO-3-5-LP-C12-5-DG-240222-1-LA	2/22/2024		WP	1	
17 CLEAR-SCAF-Z66CD-11-240222-1	2/22/2024		WP	1	
18 CLEAR-ENC-Z66CD-11-240222-1	2/22/2024		WP	1	
19 ARCH-CLW-EXT-8-TO-9-240222-1-WF	2/22/2024		WP	1	
20 CLEAR-SCAF-Z66CD-11-240222-1	2/22/2024		WP	1	
21 CLEAR-ENC-Z66CD-11-240222-1	2/22/2024		WP	1	
22 CLEAR-ENC-Z66CD-11-240222-1-DLP	2/22/2024	0950	WP	1	
23 CLEAR-FIELD BLANK-240222-1-LO	2/22/2024	1025	WP	1	
24 CLEAR-MED BLANK-240222-1-LO	2/22/2024		WP	1	
10					
11					
12					
13					
14					
15					
Signature	Print Name	Company / Title	Date / Time		
	Michaela Kim	Rincon/Env Scientist	2/22/24 @ 1400		
	Audrey Hudson	ENTHALPY	2/22/24 @ 14:00		
	Audrey Hudson	ENTHALPY	2/22/24 15:32		
	Audrey Hudson	ENTHALPY	2/22/24 15:32		
	Audrey Hudson	ENTHALPY	2/22/24 16:16		
	Audrey Hudson	ENTHALPY	2/23/24 10:5		

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Chain of Custody Record				Turn Around Time (rush by advanced notice only)															
COC ID:				Standard:															
Page: 1 of 2				3 Day: 1 Day: 1 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				Sample Receipt Temp: (lab use only)							
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments							
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721																
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP																
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491																
Address:	449 15th Street, Suite 303	P.O. #:																	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA																
Phone:	(651) 890-9556	Global ID:																	
Fax:		Sampled By:	D. Wells																
Sample ID				Sampling Date				Sampling Time				Matrix				Container No. / Pres.			
1	ARCH-C13W-DG-2 TO 2.5-240222-L-FB	2/22/2024	0815																
2	CLEAR-SCAF-Z6ECD-L25-240222-L	2/22/2024	0850																
3	CLEAR-ENC-Z6ECD-L25-240222-L	2/22/2024	0855																
4	ARCH-C12W-DG-3 TO 3.5-UP-C12 2-VS-240222-L-LA	2/22/2024	0905																
5	CLEAR-SCAF-Z6ECD-L23-240222-L	2/22/2024	0910																
6	CLEAR-ENC-Z6ECD-L23-240222-L	2/22/2024	0915																
7	ARCH-C12W-INT-3.5 TO 4.5-240222-L-WF	2/22/2024	0920																
8	CLEAR-SCAF-Z6ECD-L20-240222-L	2/22/2024	0925																
9	CLEAR-ENC-Z6ECD-L20-240222-L	2/22/2024	0935																
10	ARCH-C11W-DG-5 TO 5.5-UP-C11 6-DG-240222-L-LA	2/22/2024	0940																
11	CLEAR-SCAF-Z6ECD-L17-240222-L	2/22/2024	0945																
12	CLEAR-ENC-Z6ECD-L17-240222-L	2/22/2024																	
13	ARCH-C13W-EXT-6 TO 7-240222-L-WF	2/22/2024																	
14	CLEAR-SCAF-Z6ECD-L14-240222-L	2/22/2024																	
15	CLEAR-ENC-Z6ECD-L14-240222-L	2/22/2024																	
1 Relinquished By:				Signature				Print Name				Company / Title				Date / Time			
1 Received By:				Michaela Kim				Rincon/Env Scientist				2/22/24 @ 1400							
2 Relinquished By:				Audrey Hudson				Audrey Hudson				EXHAUST				2/22/24 @ 1534			
2 Received By:				Audrey Hudson				Audrey Hudson				EA				2/22/24 @ 1537			
3 Relinquished By:																			
3 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

Project: Hangar 1 NTCRA

Date Received: 02/23/24

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C)
(No Cooler) : _____

Sample Temp (°C), One from each cooler: #1: 5.2 #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: Southwest Airlines

Section 3

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

Cooler Temp (°C): #1: 5.2 #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

502954

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: FEB 23 2024

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:
22 FEB 19:29

526 OAK 9962 3753



SNA

5.2

OAK WN 2652 23 FEB 07:30

PC#
6 OF

7

DG
G

(142.8 KG)

LOT WT
315 LB

STN FLT DATE ETD LOT 01



PC ID: 0006
PC WT: 45LB

526 99623753 0006

S

Lead

Lab #: 502954		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-C13W-DG-2 TO 2.5-240222-L-FB		Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-001		Received: 02/22/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/23/24	
Diln Fac: 1.000		Analyzed: 02/23/24	
502954-001 Analyte		Result	RL
Lead		66	0.50
			ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L25-240222-L		Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-002		Received: 02/22/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/23/24	
Diln Fac: 10.00		Analyzed: 02/23/24	
502954-002 Analyte		Result	RL
Lead		970	2.3
			ug/ft2
			Qual
			b
Field ID: CLEAR-ENC-Z6ECD-L25-240222-L		Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-003		Received: 02/22/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/23/24	
Diln Fac: 1.000		Analyzed: 02/23/24	
502954-003 Analyte		Result	RL
Lead		9.2	0.50
			ug/ft2
Field ID: CLEAR-ARCH-C12W-DG-3 TO3.5-UP-C12.2-VS-240222-L-LA		Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-004		Received: 02/22/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/23/24	
Diln Fac: 1.000		Analyzed: 02/23/24	
502954-004 Analyte		Result	RL
Lead		180	0.50
			ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L23-240222-L		Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-005		Received: 02/22/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/23/24	
Diln Fac: 10.00		Analyzed: 02/23/24	
502954-005 Analyte		Result	RL
Lead		660	2.3
			ug/ft2
			Qual
			b

Lead

Lab #: 502954		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z6ECD-L23-240222-L	Batch#: 333824	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 02/22/24	Analysis: EPA 6010B	
Lab ID: 502954-006	Received: 02/22/24	Analyst: SBW	
Matrix: Wipe	Prepared: 02/23/24		
Diln Fac: 1.000	Analyzed: 02/23/24		
502954-006 Analyte		Result	RL Units
Lead		370	0.50 ug/ft2
Field ID: CLEAR-ARCH-C12W-INT-3.5 TO 4.5-240222-L-WF		Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-007		Received: 02/22/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/23/24	
Diln Fac: 1.000		Analyzed: 02/23/24	
502954-007 Analyte		Result	RL Units
Lead		180	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L20-240222-L		Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-008		Received: 02/22/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/23/24	
Diln Fac: 1.000		Analyzed: 02/23/24	
502954-008 Analyte		Result	RL Units
Lead		390	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6ECD-L20-240222-L		Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-009		Received: 02/22/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/23/24	
Diln Fac: 1.000		Analyzed: 02/23/24	
502954-009 Analyte		Result	RL Units
Lead		370	0.50 ug/ft2
Field ID: CLEAR-ARCH-C11W-DG-5 TO5.5-UP-C11.6-DG-240222-L-LA		Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-010		Received: 02/22/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/23/24	
Diln Fac: 1.000		Analyzed: 02/23/24	
502954-010 Analyte		Result	RL Units
Lead		70	0.50 ug/ft2

Lead

Lab #: 502954	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z6ECD-L17-240222-L	Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE	Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-011	Received: 02/22/24	Analyst: SBW
Matrix: Wipe	Prepared: 02/23/24	
Diln Fac: 1.000	Analyzed: 02/23/24	

502954-011 Analyte	Result	RL	Units
Lead	350	0.50	ug/ft2

Field ID: CLEAR-ENC-Z6ECD-L17-240222-L	Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE	Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-012	Received: 02/22/24	Analyst: SBW
Matrix: Wipe	Prepared: 02/23/24	
Diln Fac: 1.000	Analyzed: 02/23/24	

502954-012 Analyte	Result	RL	Units
Lead	95	0.50	ug/ft2

Field ID: CLEAR-FIELDBLANK-240222-L-LO	Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE	Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-013	Received: 02/22/24	Analyst: SBW
Matrix: Wipe	Prepared: 02/23/24	
Diln Fac: 1.000	Analyzed: 02/23/24	

502954-013 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: CLEAR-MEDBLANK-240222-L-LO	Batch#: 333824	Prep: EPA 3050B
Type: SAMPLE	Sampled: 02/22/24	Analysis: EPA 6010B
Lab ID: 502954-014	Received: 02/22/24	Analyst: SBW
Matrix: Wipe	Prepared: 02/23/24	
Diln Fac: 1.000	Analyzed: 02/23/24	

502954-014 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 333824	Analysis: EPA 6010B
Lab ID: QC1131182	Prepared: 02/23/24	Analyst: SBW
Matrix: Wipe	Analyzed: 02/23/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1131182 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected
RL: Reporting Limit
b: See narrative

Lead: Batch QC

Lab #: 502954

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1131183

Matrix: Wipe

Diln Fac: 1.000

Batch#: 333824

Prepared: 02/23/24

Analyzed: 02/23/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1131183 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.86	104	80-120	ug/ft2

Type: BSD

Lab ID: QC1131184

Matrix: Wipe

Diln Fac: 1.000

Batch#: 333824

Prepared: 02/23/24

Analyzed: 02/23/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1131184 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.03	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 : 503075
Report Level : II
Report Date : 03/22/2024

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 #: 503075
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 02/23/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C12W-EXT-6 TO 7-240223-L-WF	503075-001	02/23/24 10:10	Wipe
CLEAR-SCAF-Z6ECD-L14-240223-L	503075-002	02/23/24 10:15	Wipe
CLEAR-ENC-Z6ECD-L14-240223-L	503075-003	02/23/24 10:20	Wipe
CLEAR-ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240223-L-LA	503075-004	02/23/24 10:25	Wipe
CLEAR-SCAF-Z6ECD-L11-240223-L	503075-005	02/23/24 10:30	Wipe
CLEAR-ENC-Z6ECD-L11-240223-L	503075-006	02/23/24 10:35	Wipe
CLEAR-ARCH-C13W-EXT-8 TO 9-240223-L-WF	503075-007	02/23/24 12:35	Wipe
CLEAR-SCAF-Z6ECD-L8-240223-L	503075-008	02/23/24 12:40	Wipe
CLEAR-ENC-Z6ECD-L8-240223-L	503075-009	02/23/24 12:45	Wipe
CLEAR-ENC-Z6ECD-L8-240223-L-DUP	503075-010	02/23/24 12:45	Wipe

Case Narrative

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

Lab Job 503075
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 02/23/24

- This data package contains sample and QC results for ten wipe samples, requested for the above referenced project on 02/26/24. The samples were received cold and intact.
- Report reissued on 3-22-2024 to update sample IDs.

Metals (EPA 6010B):

No analytical problems were encountered.

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
COC ID: 503075		Standard:		3 Day: Custom TAT: X (same-day)	
Page: 1 of 1		2 Day:		1 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	
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: D. Welch		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 6 Enclosure C/D (Low Occupancy)	
ANALYSTS REQUEST Lead - EPA Method 3050/6010B		ANALYSTS REQUEST Lead - EPA Method 3050/6010B		ANALYSTS REQUEST Lead - EPA Method 3050/6010B	
SAMPLE ID 1 ARCH-C12W-EXT-6 TO 7-240223-L-WF 2 CLEAR-SCAF-Z6BCD-L14-240223-L 3 CLEAR-ENC-Z6BCD-L14-240223-L 4 ARCH-C12W-DG-7 TO 7.5-UP-C12 5-DG-240223-L-LA 5 CLEAR-SCAF-Z6BCD-L11-240223-L 6 CLEAR-ENC-Z6BCD-L11-240223-L 7 ARCH-C13W-EXT-8 TO 9-240223-L-WF 8 CLEAR-SCAF-Z6BCD-L8-240223-L 9 CLEAR-ENC-Z6BCD-L8-240223-L 10 CLEAR-ENC-Z6BCD-L8-240223-L-DUP 11 12 13 14 15		SAMPLING DATE 2/23/2024 2/23/2024 2/23/2024 2/23/2024 2/23/2024 2/23/2024 2/23/2024 2/23/2024 2/23/2024 2/23/2024		SAMPLING TIME 1010 1015 1020 1025 1030 1035 1235 1240 1245 1245	
MATRIX WP WP WP WP WP WP WP WP WP WP		CONTAINER NO. / SIZE 1 1 1 1 1 1 1 1 1 1		PRES. X X X X X X X X X X	
SIGNATURE 1 Relinquished By: [Signature] 1 Received By: [Signature] 2 Relinquished By: [Signature] 1 Received By: [Signature] 3 Relinquished By: [Signature] 3 Received By: [Signature]		PRINT NAME Michaela Kim Audrey Hudson " " Jade Peterson Jade Peterson Amy Kim Goodhead		COMPANY / TITLE Rincon Consultants ENTHALPY " " ENTHALPY ENTHALPY ENTHALPY	
DATE / TIME 2/23/24 @ 14:53 2/23/24 @ 14:53 2/23/24 @ 16:30 2/23/24 @ 16:30 2/23/24 @ 16:52 2/24/24 @ 16:52		DATE / TIME 2/23/24 @ 14:53 2/23/24 @ 14:53 2/23/24 @ 16:30 2/23/24 @ 16:30 2/23/24 @ 16:52 2/24/24 @ 16:52		DATE / TIME 2/23/24 @ 14:53 2/23/24 @ 14:53 2/23/24 @ 16:30 2/23/24 @ 16:30 2/23/24 @ 16:52 2/24/24 @ 16:52	

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID: 503075		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 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			
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.WALK		Analysis Request Lead - EPA Method 3050/6010B Wipe samples collected from Zone 6 Enclosure C/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 Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft² basis			
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 ARCH-C12W-EXT-6 TO 7-240223-L-WF	2/23/2024	1015	WP	1	X
2 CLEAR-SCAF-Z6ECD-L14-240223-L	2/23/2024	1020	WP	1	X
3 CLEAR-ENC-Z6ECD-L14-240223-L	2/23/2024	1030	WP	1	X
4 ARCH-C12W-DG-7 TO 7.5-UP-C12.5-DG-240223-L-LA	2/23/2024	1035	WP	1	X
5 CLEAR-SCAF-Z6ECD-L11-240223-L	2/23/2024	1240	WP	1	X
6 CLEAR-ENC-Z6ECD-L11-240223-L	2/23/2024	1245	WP	1	X
7 ARCH-C13W-EXT-8 TO 9-240223-L-WF	2/23/2024	1245	WP	1	X
8 CLEAR-SCAF-Z6ECD-L8-240223-L	2/23/2024				
9 CLEAR-ENC-Z6ECD-L8-240223-L	2/23/2024				
10 CLEAR-ENC-Z6ECD-L8-240223-L-DUP	2/23/2024				
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 Michaela Kim Audrey Hudson Audrey Hudson Todd Peterson			
Date / Time 2/23/24 @ 14:53 2/23/24 @ 14:53 2/23/24 @ 16:30 2/23/24 @ 16:30		Company / Title Rincon Env Scientist ENTHALPY ENTHALPY ENTHALPY			

6 of 11

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: 2/24/24

Sampler's Name Present: ☐ Yes ☐ No

Section 2

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

Sample Temp (°C), One from each cooler: #1: 3.6 #2: #3: #4:

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

Shipping Information:

Section 3

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

Cooler Temp (°C): #1: 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

503075

Section 6

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

☐ Email (email sent to/on): /

Project Manager's response:

Completed By:

Date:

2/29/24

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

Lead

Lab #: 503075		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-C12W-EXT-6 TO 7-240223-L-WF		Batch#: 333917	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/23/24	Analysis: EPA 6010B
Lab ID: 503075-001		Received: 02/23/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/24/24	
Diln Fac: 1.000		Analyzed: 02/26/24	
503075-001 Analyte		Result	RL Units
Lead		75	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L14-240223-L		Batch#: 333917	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/23/24	Analysis: EPA 6010B
Lab ID: 503075-002		Received: 02/23/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/24/24	
Diln Fac: 2.000		Analyzed: 02/26/24	
503075-002 Analyte		Result	RL Units
Lead		470	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6ECD-L14-240223-L		Batch#: 333917	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/23/24	Analysis: EPA 6010B
Lab ID: 503075-003		Received: 02/23/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/24/24	
Diln Fac: 1.000		Analyzed: 02/26/24	
503075-003 Analyte		Result	RL Units
Lead		25	0.50 ug/ft2
Field ID: CLEAR-ARCH-C12W-DG-7 TO7.5-UP-C12.5-DG-240223-L-LA		Batch#: 333917	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/23/24	Analysis: EPA 6010B
Lab ID: 503075-004		Received: 02/23/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/24/24	
Diln Fac: 1.000		Analyzed: 02/26/24	
503075-004 Analyte		Result	RL Units
Lead		100	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L11-240223-L		Batch#: 333917	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/23/24	Analysis: EPA 6010B
Lab ID: 503075-005		Received: 02/23/24	Analyst: SBW
Matrix: Wipe		Prepared: 02/24/24	
Diln Fac: 2.000		Analyzed: 02/26/24	
503075-005 Analyte		Result	RL Units
Lead		540	0.50 ug/ft2

Lead

Lab #: 503075		Project#: 20-10491			
Client: Rincon Consultants		Location: Hangar 1 NTCRA			
Field ID: CLEAR-ENC-Z6ECD-L11-240223-L		Batch#: 333917		Prep: EPA 3050B	
Type: SAMPLE		Sampled: 02/23/24		Analysis: EPA 6010B	
Lab ID: 503075-006		Received: 02/23/24		Analyst: SBW	
Matrix: Wipe		Prepared: 02/24/24			
Diln Fac: 1.000		Analyzed: 02/26/24			
503075-006 Analyte		Result	RL	Units	
Lead		230	0.50	ug/ft2	
Field ID: CLEAR-ARCH-C13W-EXT-8 TO 9-240223-L-WF		Batch#: 333917		Prep: EPA 3050B	
Type: SAMPLE		Sampled: 02/23/24		Analysis: EPA 6010B	
Lab ID: 503075-007		Received: 02/23/24		Analyst: SBW	
Matrix: Wipe		Prepared: 02/24/24			
Diln Fac: 1.000		Analyzed: 02/26/24			
503075-007 Analyte		Result	RL	Units	
Lead		240	0.50	ug/ft2	
Field ID: CLEAR-SCAF-Z6ECD-L8-240223-L		Batch#: 333917		Prep: EPA 3050B	
Type: SAMPLE		Sampled: 02/23/24		Analysis: EPA 6010B	
Lab ID: 503075-008		Received: 02/23/24		Analyst: SBW	
Matrix: Wipe		Prepared: 02/24/24			
Diln Fac: 5.000		Analyzed: 02/26/24			
503075-008 Analyte		Result	RL	Units	Qual
Lead		1,100	0.83	ug/ft2	b
Field ID: CLEAR-ENC-Z6ECD-L8-240223-L		Batch#: 333917		Prep: EPA 3050B	
Type: SAMPLE		Sampled: 02/23/24		Analysis: EPA 6010B	
Lab ID: 503075-009		Received: 02/23/24		Analyst: SBW	
Matrix: Wipe		Prepared: 02/24/24			
Diln Fac: 1.000		Analyzed: 02/26/24			
503075-009 Analyte		Result	RL	Units	
Lead		430	0.50	ug/ft2	
Field ID: CLEAR-ENC-Z6ECD-L8-240223-L-DUP		Batch#: 333917		Prep: EPA 3050B	
Type: SAMPLE		Sampled: 02/23/24		Analysis: EPA 6010B	
Lab ID: 503075-010		Received: 02/23/24		Analyst: SBW	
Matrix: Wipe		Prepared: 02/24/24			
Diln Fac: 2.000		Analyzed: 02/26/24			
503075-010 Analyte		Result	RL	Units	
Lead		540	0.50	ug/ft2	

Lead

Lab #: 503075		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Type: BLANK	Batch#: 333917	Analysis: EPA 6010B	
Lab ID: QC1131501	Prepared: 02/24/24	Analyst: SBW	
Matrix: Wipe	Analyzed: 02/26/24		
Diln Fac: 1.000	Prep: EPA 3050B		

QC1131501 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

Lead: Batch QC

Lab #: 503075

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1131502

Matrix: Wipe

Diln Fac: 1.000

Batch#: 333917

Prepared: 02/24/24

Analyzed: 02/26/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: KLN

QC1131502 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	54.61	109	80-120	ug/ft2

Type: BSD

Lab ID: QC1131503

Matrix: Wipe

Diln Fac: 1.000

Batch#: 333917

Prepared: 02/24/24

Analyzed: 02/26/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: KLN

QC1131503 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	56.53	113	80-120	ug/ft2	3	20

Legend

RPD: Relative Percent
Difference



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

enthalpy.com

Lab Job Number : 503163
Report Level : II
Report Date : 03/22/2024

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	Lab Job #:	503163
Rincon	Project No:	20-10491
Consultants	Location:	Hangar 1 NTCRA
449 15th Street	Date Received:	02/26/24
#303		
Oakland, CA		
94612		

Sample ID	Lab ID	Collected	Matrix
CLEAR-AFRAME-C11W-MED-L3-DN-C11.1-DG-240226-L-LA	503163-001	02/26/24 08:35	Wipe
CLEAR-SCAF-Z6ECD-L5-240226-L	503163-002	02/26/24 08:40	Wipe
CLEAR-ENC-Z6ECD-L5-240226-L	503163-003	02/26/24 08:45	Wipe
CLEAR-AFRAME-C12W-MED-L1-HS-3-240226-L-A	503163-004	02/26/24 08:50	Wipe
CLEAR-SCAF-Z6ECD-L2-240226-L	503163-005	02/26/24 08:55	Wipe
CLEAR-ENC-Z6ECD-L2-240226-L	503163-006	02/26/24 09:00	Wipe
CLEAR-AFRAME-C12W-MED-L1-DN-C12.7-DG-240226-L-SS	503163-007	02/26/24 13:00	Wipe
CLEAR-AFRAME-C12W-MED-L1-DN-C12.7-DG-240226-L-DUP-	503163-008	02/26/24 13:00	Wipe
CLEAR-SCAF-Z6ECD-L0-240226-L	503163-009	02/26/24 13:05	Wipe
CLEAR-ENC-Z6ECD-L0-240226-L	503163-010	02/26/24 13:10	Wipe
CLEAR-FIELDBLANK-240226-L-HO	503163-011	02/26/24 09:05	Wipe
CLEAR-MEDBLANK-240226-L-HO	503163-012	02/26/24 09:25	Wipe

Case Narrative

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

Lab Job 503163
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 02/26/24

- This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 02/27/24. The samples were received cold and intact.
- Report reissued on 3-22-2024 to update sample IDs.

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.

503 163

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 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 (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) 990-9556 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. Kim & D. Welsh																																																																																																	
ANALYSIS REQUEST Lead - EPA Method 3050/6010B		Test Instructions / Comments Clearance Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft² basis																																																																																																	
SAMPLES <table border="1"> <thead> <tr> <th>Sample ID</th> <th>Sampling Date</th> <th>Sampling Time</th> <th>Matrix</th> <th>Container No. / Size</th> <th>Pres.</th> </tr> </thead> <tbody> <tr><td>1</td><td>2/26/2024</td><td>0839</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>2</td><td>2/26/2024</td><td>0840</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>3</td><td>2/26/2024</td><td>0846</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>4</td><td>2/26/2024</td><td>0850</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>5</td><td>2/26/2024</td><td>0855</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>6</td><td>2/26/2024</td><td>0900</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>7</td><td>2/26/2024</td><td>1300</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>8</td><td>2/26/2024</td><td>1300</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>9</td><td>2/26/2024</td><td>1305</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>10</td><td>2/26/2024</td><td>1310</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>11</td><td>2/26/2024</td><td>0905</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>12</td><td>2/26/2024</td><td>0925</td><td>WP</td><td>1</td><td>X</td></tr> <tr><td>13</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>14</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>15</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	1	2/26/2024	0839	WP	1	X	2	2/26/2024	0840	WP	1	X	3	2/26/2024	0846	WP	1	X	4	2/26/2024	0850	WP	1	X	5	2/26/2024	0855	WP	1	X	6	2/26/2024	0900	WP	1	X	7	2/26/2024	1300	WP	1	X	8	2/26/2024	1300	WP	1	X	9	2/26/2024	1305	WP	1	X	10	2/26/2024	1310	WP	1	X	11	2/26/2024	0905	WP	1	X	12	2/26/2024	0925	WP	1	X	13						14						15						HOLD Wipe samples collected from Zone 6 Enclosure C/D (High Occupancy)	
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.																																																																																														
1	2/26/2024	0839	WP	1	X																																																																																														
2	2/26/2024	0840	WP	1	X																																																																																														
3	2/26/2024	0846	WP	1	X																																																																																														
4	2/26/2024	0850	WP	1	X																																																																																														
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6	2/26/2024	0900	WP	1	X																																																																																														
7	2/26/2024	1300	WP	1	X																																																																																														
8	2/26/2024	1300	WP	1	X																																																																																														
9	2/26/2024	1305	WP	1	X																																																																																														
10	2/26/2024	1310	WP	1	X																																																																																														
11	2/26/2024	0905	WP	1	X																																																																																														
12	2/26/2024	0925	WP	1	X																																																																																														
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SIGNATURES 1. Relinquished By: [Signature] 1. Received By: [Signature] 2. Relinquished By: [Signature] 2. Received By: [Signature] 3. Relinquished By: [Signature] 3. Received By: [Signature]		DATE / TIME 2/26/24 1445 2/26/24 1445 2/26/24 1616 2/26/24 1616 2/27/24 0915																																																																																																	

503 163

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
COC ID:				Standard:			
Page: 1 of 1				3 Day: 5 Day: 1 Day: 2 Day: X (same-day)			
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900				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)			
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				Sample Receipt Temp:			
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: Global ID: Sampled By: H. Kim & D. Welsh			
Analysis Request Clear Wipe Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/ft ² basis Wipe samples collected from Zone 6 Enclosure C/D (High Occupancy)				Test Instructions / Comments			
Sample ID CLEAR-AFRAME-C11W-MED-L3-DN-C11.1-DG-240226-L-LA CLEAR-AFRAME-C12W-MED-L1-HS-3-240226-L-A CLEAR-AFRAME-C12W-MED-L1-DN-C12.7-DG-240226-L-SS CLEAR-AFRAME-C12W-MED-L1-DN-C12.7-DG-240226-L-DUP-SS				HOLD			
1 AFRAME-C11W-MED-L3-DN-C11.1-DG-240226-L-LA 2 CLEAR-SCAF-Z6ECD-L5-240226-L 3 CLEAR-ENC-Z6ECD-L5-240226-L 4 AFRAME-C12W-MED-L1-HS-3-240226-L-A 5 CLEAR-SCAF-Z6ECD-L2-240226-L 6 CLEAR-ENC-Z6ECD-L2-240226-L 7 AFRAME-C12W-MED-L1-DN-C12.7-DG-240226-L-SS 8 AFRAME-C12W-MED-L1-DN-C12.7-DG-240226-L-DUP-SS 9 CLEAR-SCAF-Z6ECD-L0-240226-L 10 CLEAR-ENC-Z6ECD-L0-240226-L 11 CLEAR-FIELD-BLANK-240226-L-HO 12 CLEAR-MED-BLANK-240226-L-HO 13 14 15				WP WP WP WP WP WP WP WP WP WP WP WP WP WP WP			
Signature Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]				Print Name Donald Welsh Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson Audrey Hudson			
Company / Title Rincon Consultants, Inc. Environmental Environmental Environmental Environmental Environmental				Date / Time 2/26/24 14:45 2/26/24 19:45 2/26/24 16:16 2/26/24 16:16 2/26/24 16:16			

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: 02/27/24

Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) _____
(No Cooler) _____

Sample Temp (°C), One from each cooler: #1: 3.5 #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: Southwest Airlines

Section 3

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

Cooler Temp (°C): #1: 2.3 #2: _____ #3: _____ #4: _____

Section 4

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

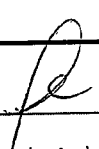
Section 5 Explanations/Comments

503163

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: FEB 27 2024

SOUTHWEST AIRLINES

Printed on:
26 FEB 19:19

526 OAK 9981 0911



SNA				PC#
				1 OF
				8
				DG
				LOT WT
				285 LB
				(129.4 KG)
OAK	WN 352	27 FEB	07:15	
STN	FLT	DATE	ETD	LOT 01



PC ID: 0001
PC WT: 36LB

526 99810911 0001

S

2.3 / 3.5

Lead

Lab #: 503163		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-AFRAME-C11W-MED-L3-DN-C11.1-DG-240226-L-LA		Batch#: 334050	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/26/24	Analysis: EPA 6010B
Lab ID: 503163-001		Received: 02/26/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/27/24	
Diln Fac: 1.000		Analyzed: 02/27/24	
503163-001 Analyte		Result	RL
Lead		62	0.50
			ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L5-240226-L		Batch#: 334050	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/26/24	Analysis: EPA 6010B
Lab ID: 503163-002		Received: 02/26/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/27/24	
Diln Fac: 1.000		Analyzed: 02/27/24	
503163-002 Analyte		Result	RL
Lead		340	0.50
			ug/ft2
Field ID: CLEAR-ENC-Z6ECD-L5-240226-L		Batch#: 334050	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/26/24	Analysis: EPA 6010B
Lab ID: 503163-003		Received: 02/26/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/27/24	
Diln Fac: 1.000		Analyzed: 02/27/24	
503163-003 Analyte		Result	RL
Lead		92	0.50
			ug/ft2
Field ID: CLEAR-AFRAME-C12W-MED-L1-HS-3-240226-L-A		Batch#: 334050	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/26/24	Analysis: EPA 6010B
Lab ID: 503163-004		Received: 02/26/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/27/24	
Diln Fac: 1.000		Analyzed: 02/27/24	
503163-004 Analyte		Result	RL
Lead		6.5	0.50
			ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L2-240226-L		Batch#: 334050	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/26/24	Analysis: EPA 6010B
Lab ID: 503163-005		Received: 02/26/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/27/24	
Diln Fac: 2.000		Analyzed: 02/27/24	
503163-005 Analyte		Result	RL
Lead		870	0.50
			ug/ft2
			Qual
			b

Lead

Lab #: 503163		Project#: 20-10491			
Client: Rincon Consultants		Location: Hangar 1 NTCRA			
Field ID: CLEAR-ENC-Z6ECD-L2-240226-L		Batch#: 334050		Prep: EPA 3050B	
Type: SAMPLE		Sampled: 02/26/24		Analysis: EPA 6010B	
Lab ID: 503163-006		Received: 02/26/24		Analyst: RPS	
Matrix: Wipe		Prepared: 02/27/24			
Diln Fac: 1.000		Analyzed: 02/27/24			
503163-006 Analyte		Result	RL	Units	
Lead		23	0.50	ug/ft2	
Field ID: CLEAR-AFRAME-C12W-MED-L1-DN-C12.7-DG-240226-L-SS		Batch#: 334050		Prep: EPA 3050B	
Type: SAMPLE		Sampled: 02/26/24		Analysis: EPA 6010B	
Lab ID: 503163-007		Received: 02/26/24		Analyst: RPS	
Matrix: Wipe		Prepared: 02/27/24			
Diln Fac: 1.000		Analyzed: 02/27/24			
503163-007 Analyte		Result	RL	Units	
Lead		220	0.50	ug/ft2	
Field ID: CLEAR-AFRAME-C12W-MED-L1-DN-C12.7-DG-240226-L-DUP-		Batch#: 334050		Prep: EPA 3050B	
Type: SAMPLE		Sampled: 02/26/24		Analysis: EPA 6010B	
Lab ID: 503163-008		Received: 02/26/24		Analyst: RPS	
Matrix: Wipe		Prepared: 02/27/24			
Diln Fac: 1.000		Analyzed: 02/27/24			
503163-008 Analyte		Result	RL	Units	
Lead		200	0.50	ug/ft2	
Field ID: CLEAR-SCAF-Z6ECD-L0-240226-L		Batch#: 334050		Prep: EPA 3050B	
Type: SAMPLE		Sampled: 02/26/24		Analysis: EPA 6010B	
Lab ID: 503163-009		Received: 02/26/24		Analyst: RPS	
Matrix: Wipe		Prepared: 02/27/24			
Diln Fac: 2.000		Analyzed: 02/27/24			
503163-009 Analyte		Result	RL	Units	Qual
Lead		660	0.50	ug/ft2	b
Field ID: CLEAR-ENC-Z6ECD-L0-240226-L		Batch#: 334050		Prep: EPA 3050B	
Type: SAMPLE		Sampled: 02/26/24		Analysis: EPA 6010B	
Lab ID: 503163-010		Received: 02/26/24		Analyst: RPS	
Matrix: Wipe		Prepared: 02/27/24			
Diln Fac: 1.000		Analyzed: 02/27/24			
503163-010 Analyte		Result	RL	Units	
Lead		170	0.50	ug/ft2	

Lead

Lab #: 503163	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-FIELDBLANK-240226-L-HO	Batch#: 334050	Prep: EPA 3050B
Type: SAMPLE	Sampled: 02/26/24	Analysis: EPA 6010B
Lab ID: 503163-011	Received: 02/26/24	Analyst: RPS
Matrix: Wipe	Prepared: 02/27/24	
Diln Fac: 1.000	Analyzed: 02/27/24	

503163-011 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: CLEAR-MEDBLANK-240226-L-HO	Batch#: 334050	Prep: EPA 3050B
Type: SAMPLE	Sampled: 02/26/24	Analysis: EPA 6010B
Lab ID: 503163-012	Received: 02/26/24	Analyst: RPS
Matrix: Wipe	Prepared: 02/27/24	
Diln Fac: 1.000	Analyzed: 02/27/24	

503163-012 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK	Batch#: 334050	Analysis: EPA 6010B
Lab ID: QC1132018	Prepared: 02/27/24	Analyst: RPS
Matrix: Wipe	Analyzed: 02/27/24	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1132018 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected
RL: Reporting Limit
b: See narrative

Lead: Batch QC

Lab #: 503163

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1132019

Matrix: Wipe

Diln Fac: 1.000

Batch#: 334050

Prepared: 02/27/24

Analyzed: 02/27/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: RPS

QC1132019 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.19	102	80-120	ug/ft2

Type: BSD

Lab ID: QC1132020

Matrix: Wipe

Diln Fac: 1.000

Batch#: 334050

Prepared: 02/27/24

Analyzed: 02/27/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: RPS

QC1132020 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	50.99	102	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: 503206
Report Level: II
Report Date: 02/27/2024

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 #: 503206
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 02/26/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-SCAF-Z6ECD-L25-240226-L	503206-001	02/26/24 12:35	Wipe
CLEAR-SCAF-Z6ECD-L23-240226-L	503206-002	02/26/24 12:40	Wipe
CLEAR-ENC-Z6ECD-L23-240226-L	503206-003	02/26/24 12:45	Wipe
CLEAR-SCAF-Z6ECD-L20-240226-L	503206-004	02/26/24 12:50	Wipe

Case Narrative

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

Lab Job 503206
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 02/26/24

This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 02/27/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

503706

 ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
		COC ID:	Standard:	5 Day:	3 Day:
Page: 1 of 1		1	2 Day:	1 Day:	Custom TAT:
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: (lab use only)	
PROJECT INFORMATION		Analysis Request		Test Instructions / Comments	
Company: Rincon Consultants, Inc.	Quote #: RIN031721	Lead - EPA Method 3050/50108		Clearance Wire Samples - Level II Report/Stage 2A Validation Report lead concentrations on a µg/l ² basis	
Report To: Lindsay Parker	Proj. Name: Hangar 1 - NCTRA WP			HOLD	
Email: lparker@rinconconsultants.com	Proj. #: 20-10491				
Address: 449 15th Street, Suite 303	P.O. #:				
Oakland, California 94612	Address: 158 Cody Road, Mountain View, CA				
Phone: (651) 890-9536	Global ID:				
Fax:	Sampled By: DWL				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 CLEAR-SCAF-Z6ECD-L25-240226-L	2/26/2024	1235	WP	1	X
2 CLEAR-SCAF-Z6ECD-L23-240226-L	2/26/2024	1240	WP	1	X
3 CLEAR-ENC-Z6ECD-L23-240226-L	2/26/2024	1245	WP	1	X
4 CLEAR-SCAF-Z6ECD-L20-240226-L	2/26/2024	1250	WP	1	X
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Signature		Print Name		Company / Title	
1 Relinquished By: [Signature]	Donald Welsh	Rincon Env. Services		2/26/24 1445	
2 Received By: [Signature]	Lindsay Hudson	Hudson Hudson		2/26/24 1445	
2 Relinquished By: [Signature]	"	"		2/26/24 16:16	
2 Received By: [Signature]	Renata K. P.	RKP		2/26/24 16:16	
3 Relinquished By: [Signature]	Renata K. P.	RKP		2/26/24 16:47	
3 Received By: [Signature]	Renata K. P.	RKP		2/26/24 09:15	

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: 2/24/24 Login # 503206 Client: Rancon

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 2/26/24 By (print) m (sign) [Signature]

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

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

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 2/26/24 By (print) m (sign) [Signature]

Date Labeled 2/26/24 By (print) m (sign) [Signature]

SOUTHWEST AIRLINES

Printed on:
26 FEB 19:19

526 OAK 9981 0911 

SNA				PC#	1
				OF	8
				DG	G
				LOT WT	285 LB
				(129.4 KG)	
OAK	WN 352	27 FEB	07:15		
STN	FLT	DATE	ETD	LOT 01	



PC ID: 0001
PC WT: 36LB

526 99810911 0001

S

2.3 / 3.5

Lead

Lab #: 503206		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z6ECD-L25-240226-L	Batch#: 334050	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 02/26/24	Analysis: EPA 6010B	
Lab ID: 503206-001	Received: 02/26/24	Analyst: RPS	
Matrix: Wipe	Prepared: 02/27/24		
Diln Fac: 1.000	Analyzed: 02/27/24		
503206-001 Analyte		Result	RL Units
Lead		220	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L23-240226-L		Batch#: 334050	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/26/24	Analysis: EPA 6010B
Lab ID: 503206-002		Received: 02/26/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/27/24	
Diln Fac: 1.000		Analyzed: 02/27/24	
503206-002 Analyte		Result	RL Units
Lead		240	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6ECD-L23-240226-L		Batch#: 334050	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/26/24	Analysis: EPA 6010B
Lab ID: 503206-003		Received: 02/26/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/27/24	
Diln Fac: 1.000		Analyzed: 02/27/24	
503206-003 Analyte		Result	RL Units
Lead		16	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L20-240226-L		Batch#: 334050	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/26/24	Analysis: EPA 6010B
Lab ID: 503206-004		Received: 02/26/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/27/24	
Diln Fac: 1.000		Analyzed: 02/27/24	
503206-004 Analyte		Result	RL Units
Lead		120	0.50 ug/ft2
Type: BLANK		Batch#: 334050	Analysis: EPA 6010B
Lab ID: QC1132018		Prepared: 02/27/24	Analyst: RPS
Matrix: Wipe		Analyzed: 02/27/24	
Diln Fac: 1.000		Prep: EPA 3050B	
QC1132018 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 503206

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1132019

Matrix: Wipe

Diln Fac: 1.000

Batch#: 334050

Prepared: 02/27/24

Analyzed: 02/27/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: RPS

QC1132019 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.19	102	80-120	ug/ft2

Type: BSD

Lab ID: QC1132020

Matrix: Wipe

Diln Fac: 1.000

Batch#: 334050

Prepared: 02/27/24

Analyzed: 02/27/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: RPS

QC1132020 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	50.99	102	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: 503273
Report Level: II
Report Date: 02/28/2024

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 #: 503273
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 02/27/24

Sample ID	Lab ID	Collected	Matrix
CLEAR-SCAF-Z6ECD-L14-240227-L	503273-001	02/27/24 12:30	Wipe
CLEAR-SCAF-Z6ECD-L11-240227-L	503273-002	02/27/24 12:40	Wipe
CLEAR-SCAF-Z6ECD-L8-240227-L	503273-003	02/27/24 12:45	Wipe
CLEAR-ENC-Z6ECD-L8-240227-L	503273-004	02/27/24 12:50	Wipe
CLEAR-ENC-Z6ECD-L8-240227-L-DUP	503273-005	02/27/24 12:50	Wipe

Case Narrative

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

Lab Job 503273
Number:
Project No: 20-10491
Location: Hangar 1
NTCRA

Date Received: 02/27/24

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 02/28/24. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

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>2/27/24</u> Login # <u>503273</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>2/27/24</u> By (print) <u>my</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?	/		g	
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>2/27/24</u> By (print) <u>my</u> (sign) _____				
Date Labeled <u>2/27/24</u> By (print) <u>my</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: Hangar 1 NTCRA

Date Received: 02/28/24

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: Southwest Airlines

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

503273

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: FEB 28 2024

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:
27 FEB 19:37

526 OAK 9983 2563



SNA

PC#
3 OF

3 DG

LOT WT
150 LB
(68.1 KG)

OAK WN 352 28 FEB 07:15

STN FLT DATE ETD LOT 01



PC ID: 0003
PC WT: 50LB

526 99832563 0003

S

4.3 / 1.1

Lead

Lab #: 503273		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z6ECD-L14-240227-L	Batch#: 334184	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 02/27/24	Analysis: EPA 6010B	
Lab ID: 503273-001	Received: 02/27/24	Analyst: RPS	
Matrix: Wipe	Prepared: 02/28/24		
Diln Fac: 1.000	Analyzed: 02/28/24		
503273-001 Analyte		Result	RL Units
Lead		110	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L11-240227-L		Batch#: 334184	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/27/24	Analysis: EPA 6010B
Lab ID: 503273-002		Received: 02/27/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/28/24	
Diln Fac: 1.000		Analyzed: 02/28/24	
503273-002 Analyte		Result	RL Units
Lead		370	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z6ECD-L8-240227-L		Batch#: 334184	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/27/24	Analysis: EPA 6010B
Lab ID: 503273-003		Received: 02/27/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/28/24	
Diln Fac: 1.000		Analyzed: 02/28/24	
503273-003 Analyte		Result	RL Units
Lead		290	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6ECD-L8-240227-L		Batch#: 334184	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/27/24	Analysis: EPA 6010B
Lab ID: 503273-004		Received: 02/27/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/28/24	
Diln Fac: 1.000		Analyzed: 02/28/24	
503273-004 Analyte		Result	RL Units
Lead		210	0.50 ug/ft2
Field ID: CLEAR-ENC-Z6ECD-L8-240227-L-DUP		Batch#: 334184	Prep: EPA 3050B
Type: SAMPLE		Sampled: 02/27/24	Analysis: EPA 6010B
Lab ID: 503273-005		Received: 02/27/24	Analyst: RPS
Matrix: Wipe		Prepared: 02/28/24	
Diln Fac: 1.000		Analyzed: 02/28/24	
503273-005 Analyte		Result	RL Units
Lead		130	0.50 ug/ft2

Lead

Lab #: 503273		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Type: BLANK	Batch#: 334184	Analysis: EPA 6010B	
Lab ID: QC1132441	Prepared: 02/28/24	Analyst: RPS	
Matrix: Wipe	Analyzed: 02/28/24		
Diln Fac: 1.000	Prep: EPA 3050B		

QC1132441 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 503273

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Type: BS

Lab ID: QC1132442

Matrix: Wipe

Diln Fac: 1.000

Batch#: 334184

Prepared: 02/28/24

Analyzed: 02/28/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: RPS

QC1132442 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.18	106	80-120	ug/ft2

Type: BSD

Lab ID: QC1132443

Matrix: Wipe

Diln Fac: 1.000

Batch#: 334184

Prepared: 02/28/24

Analyzed: 02/28/24

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: RPS

QC1132443 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.07	106	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent
Difference