



Hangar 1 Data Summary Submittal

Low Occupancy Area of Zone 4
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
DQO	Data Quality Objective
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



Executive Summary

Rincon Consultants, Inc. (Rincon) has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) for the sampling and analytical activities associated with abatement activities within the low occupancy area of Zone 4 of Hangar 1 (Figure 1), located at the Former Naval Air Station Moffett Field, California. This work was conducted pursuant to the Agency-approved Final Hangar 1 Non-Time-Critical Removal Action (NTCRA) Work Plan. This DSS has been prepared to document achievement of the Project Cleanup Goals for the structural steel within the low occupancy area of Zone 4 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 (DUA) indicates that the collected confirmation wipe sampling data are suitable for comparison against the numeric Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead confirmation in the 91 confirmation wipe samples collected from within the low occupancy area of Zone 4 was approximately 86 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 was not calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 0.5 micrograms per 100 square centimeters (i.e., $<0.5 \mu\text{g}/100 \text{ cm}^2$) in any of the confirmation samples collected from within the low occupancy area of Zone 4.

As indicated by the NACE inspection reports and the lead and PCB confirmation wipe sampling results, the low occupancy area of Zone 4 is suitable for unrestricted use. Based on the findings presented herein, PV requests that the United States Environmental Protection Agency (U.S. EPA) and San Francisco Regional Water Quality Control Board (Water Board) provide concurrence that no further abatement is required for the low occupancy area of Zone 4.



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 4 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 4 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/D, and a table summarizing these results (Attachment 6).

¹ The low occupancy area of Zone 4 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.



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 inspection (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 4.

2.1 Visual Inspections

In accordance with the NTCRA Work Plan, following completion of abatement³ 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 4, the qualified NACE inspector confirmed that all visible paint had been removed from the abated surfaces and that the abated surfaces achieved a NACE #3/SSPC SP-6 surface cleanliness standard or better. The NACE inspection reports are included in Attachment 1.⁴

³ Abatement within the low occupancy portion of Zone 4 was completed on July 21, 2023.

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



2.2 Confirmation Sampling Results

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

2.2.1 Initial Abatement and Sampling Efforts

A total of 216 confirmation wipe samples were collected from the low occupancy area of Zone 4, including QC samples (i.e., field blank samples,⁵ media blank samples, and field duplicate samples). Of the 216 confirmation wipe samples and associated QC samples, 109 were lead wipe samples and 107 were PCB wipe samples, including:

- 91 lead confirmation wipe samples and 91 PCB confirmation wipe samples;
- Two lead media blank samples;⁶
- Six lead field blank samples and six PCB field blank samples; and,
- Ten lead duplicate confirmation wipe samples and ten PCB duplicate confirmation wipe samples.

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

2.2.2 Evaluation of the Confirmation Wipe Sampling Data

Upon completion of confirmation wipe sampling activities within the low occupancy area of Zone 4, three of the lead confirmation wipe samples collected, or approximately 3-percent, exceeded the numeric Cleanup Goal of $<250 \mu\text{g}/\text{ft}^2$; none of the lead concentrations in the confirmation wipe samples collected from the low occupancy area of Zone 4 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 results 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 $86 \mu\text{g}/\text{ft}^2$) in the confirmation wipe samples is below the numeric Cleanup Goal. The 95-percent UCL input and output files for lead are included in Attachment 4.

All PCB confirmation wipe sample results were below $0.5 \mu\text{g}/100 \text{ cm}^2$ (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 $\leq 100 \mu\text{g}/100 \text{ cm}^2$. The 95-percent UCL of the mean PCB concentration was not calculated because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected within the low occupancy area of Zone 4.

⁵ Field blank samples collected between May 9, 2023, and June 19, 2023, from within the low occupancy area of Zone 4 were identified as media blank samples at the time of collection, therefore in laboratory analytical reports and data validation reports, these samples are referred to as media blank samples.

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

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	86 µg/ft ²
PCB	U.S. EPA Method 8082	≤100 µg/100 cm ²	--[a]
Notes: [a] The 95-percent UCL was not calculated for PCBs because all analytical results for confirmation wipe samples collected within the low occupancy area of Zone 4 were below laboratory QLs.			



3 Data Usability Assessment

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

Based on this data usability assessment (DUA), the validated confirmation sampling data are considered suitable to assess whether the 95-percent UCL of the mean concentrations of lead and PCBs in the confirmation wipe samples are less than the numeric Cleanup Goals. However, as all PCB confirmation wipe sample results were below the highest reported laboratory QL (i.e., 0.5 µg/100 cm²), a 95-percent UCL of the mean concentration for PCBs could not be calculated.

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 May 1, 2023. Rincon's field manager observed field personnel conducting field sampling activities to confirm that all activities were conducted in accordance with standard operating procedures (SOPs) developed for field sampling activities associated with the NTCRA.⁷ The results of the field audit indicated that the field activities being conducted at Hangar 1, including confirmation wipe sampling activities, were being conducted in accordance with the NTCRA Work Plan as well as the SOPs developed for field activities associated with the NTCRA.

Field QC samples were collected in accordance with the UFP-QAPP. A summary of the total number of confirmation samples and field QC samples is provided for lead and PCBs in Table 2 and Table 3, respectively.

As the total square footage of steel in Zone 4 was greater than that estimated in Worksheet #20-2, additional confirmation wipe samples were collected within the low occupancy area to maintain the appropriate sample collection frequency as described in the revised Worksheet #20-2⁸ of the UFP-QAPP. The actual confirmation lead and PCB wipe sampling frequency (i.e., one sample per 1,970 square feet [ft²] of abated steel) as well as the frequencies of the field duplicate and field blank samples were consistent with, or greater than, the frequencies per the UFP-QAPP (i.e., the revised Worksheet #20-2). Lead media blanks were only collected within Zone 4 Enclosure C/D; therefore, the frequency was lower than that outlined in the UFP-QAPP. See Section 3.4.3 for further discussion.

⁷ For more information, please refer to the Biweekly Report for the period ending on May 5, 2023.

⁸ A revised Worksheet #20-2 was included as Attachment 2 of the *Lead Detections in Media Blank Samples Memorandum* dated August 3, 2023.



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
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%]	2 [5%]	2 [5%]
Actual Square Footage within the Low Occupancy Area of Zone 4	178,908 ft ²			
Samples Collected	91	10	6	2
Actual Frequency	1 sample per 1,970 ft ² of abated steel	11%	7%	2% [c]
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 discussed in Footnote 5, four field blank samples were originally identified as media blank samples and as a result, these samples are referred to as media blank samples in the analytical reports and data validation reports. [c] As described in the <i>Lead Detections in Media Blank Samples Memorandum</i> dated August 3, 2023, Rincon began collecting both field blank and media blank samples for lead on July 24, 2023. Abatement within Zone 4 Enclosure A/B was completed on May 19, 2023, therefore (1) media blank samples for lead were not collected from within Zone 4 Enclosure A/B and (2) media blank samples were collected from Zone 4 Enclosure C/D. Table 20-2 in the UFP-QAPP did not differentiate between field blanks and media blanks and included a goal of 5%. Therefore, the frequency of blanks for the low occupancy area of Zone 4 met the percent frequency criteria. See Section 3.4.3 for further discussion.				

Table 3 PCB Wipe Sample Summary

	No. of PCB Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Field Blanks or Frequency[b]
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 2,000 ft ² of abated steel	10%	5%
Anticipated Number of Samples	73 [a]	8 [10%]	4 [5%]
Actual Square Footage within the Low Occupancy Area of Zone 4	178,908 ft ²		
Samples Collected	91	10	6
Actual Frequency	1 sample per 1,970 ft ² of abated steel	11%	7%
Notes: [a] Original sample counts outlined in the UFP-QAPP were based on an estimated surface area of 145,000 ft ² of steel. [b] Field blank samples are equivalent to media blank samples referenced in the UFP-QAPP. See also note [c] in Table 2.			

3.2 Data Validation

LDC conducted data validation on the analytical laboratory reports for the confirmation wipe samples collected, which included a review of chain-of-custody forms and laboratory deliverables. Stage 3 validation was conducted on 48 samples and Stage 2A validation was conducted on the remaining 168 samples (Attachment 5).

Based on LDC's review of the analytical laboratory reports and their supporting data, two sample results were qualified using flags (Attachment 5) and none of the analytical results were rejected. See Section 3.4.3 and Attachment 5 for additional details.

3.3 Data Precision

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



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

3.3.1 Laboratory Duplicate Samples

Laboratory duplicate samples were analyzed at the required frequency outlined in the Worksheet #28 of the UFP-QAPP (i.e., at least one laboratory control spike [LCS]/laboratory control spike duplicate [LCSD] pair per 20 samples or per batch if less than 20 samples). As seen in Table 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	9	RPD $\leq$ 20%	0	0%
LCS/LCSD – PCB	9	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 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	10	RPD $\leq$ 100%	0	0%
PCB – Wipe	10	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.⁹ Data accuracy is a measure of the overall agreement with a known value and includes a combination of random error and systematic error, with both parameters potentially resulting from analytical error. Data accuracy is evaluated using laboratory QC samples.

⁹ 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	18	%R 80-120%	0	0%
Lead Method Blank Samples	9	<QL	0	0%
PCB LCS and LCSD	18	%R 60-140%	0	0%
PCB Method Blank Samples	9	<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	6	<10 µg/ft ²	0%
Lead Media Blank Samples [a]	2 [b]	<QL	0%
PCB Field Blank Samples	6	<QL	0%
Notes: [a] Media blank samples were only collected for lead within Zone 4 Enclosure C/D. [b] As described in the <i>Lead Detections in Media Blank Samples Memorandum</i> dated August 3, 2023, Rincon began collecting both field blank and media blank samples for lead on July 24, 2023. Abatement within Zone 4 Enclosure A/B was completed on May 19, 2023, therefore media blank samples for lead were not collected from within Zone 4 Enclosure A/B and media blank samples were only collected from Zone 4 Enclosure C/D.			

In accordance with the corrective actions described in the *Lead Detections in Media Blank Samples (Zone 2 Data Summary Submittal) Memorandum* (Media Blank Memo), starting with the confirmation wipe sampling event on July 24, 2023 within Zone 4 Enclosure C/D, Rincon collected both field blank and media blank samples. Because PCBs have not been detected above the laboratory QLs in field blank samples, media blank samples within Zone 4 Enclosure C/D were only analyzed for lead. Field blank samples were analyzed for both lead and PCBs.

The field QC samples collected within the low occupancy area of Zone 4 between May 9, and June 19, 2023, were identified as media blank samples at the time of collection, and as a result these samples were labeled as media blank samples in the laboratory analytical reports (Attachment 3) and the confirmation wipe sampling summary table (Attachment 2); in this report however, these samples are referred to as field blank samples.



Lead was detected above the laboratory QL in five of the six field blank samples collected; however, the results did not exceed the MPC of $<10 \mu\text{g}/\text{ft}^2$ and the reported results for field blank samples were 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, 2023), the lead reported in field blank samples is likely a result of low concentrations of lead dust that are known to be in the air following abatement and cleaning activities within the enclosures as opposed to lead contamination in the wipe sampling media.¹⁰ Therefore, while lead in the enclosure may be impacting field blank samples, the same ambient lead concentrations are likely impacting all the confirmation wipe samples and as a result are likely biasing the lead confirmation wipe sampling results high, resulting in a more conservative evaluation of residual lead concentrations in confirmation wipe samples.

Data qualifiers (i.e., “U” flags) were applied to two lead confirmation wipe sampling results that were less than 5-times the concentration of lead detected in their associated field blank samples (i.e., ARCH-C7E-DG-4 TO 4.5-230509-FB and ARCH-C6W-PS-6.5-230724-G). PCBs were not detected above laboratory QLs in any of the field blank samples.

Lead was not detected above laboratory QLs in either of the two media blank samples collected within the low occupancy area of Zone 4.

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 4:

- A field audit, which included a review of the field sampling protocols, was conducted by Rincon’s field manager on May 1, 2023. 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.¹¹

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

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

¹¹ Rincon personnel and/or the laboratory provided courier deliver the confirmation wipe samples to the Enthalpy Analytical location in Berkeley, CA. Upon receipt of the confirmation wipe samples, the laboratory staff then complete a sample check in form prior to shipping the samples to the Enthalpy Analytical location in Orange, CA. Upon receipt of the samples at the Enthalpy Analytical location in Orange, CA, a second sample check in form is completed for the samples. However, if samples are shipped directly to Enthalpy Analytical in Orange, CA by Rincon personnel, only one sample check in form is completed by laboratory staff upon receipt of the samples in Orange, CA.



3.5.2 Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the total number of measurements necessary to achieve DQOs at a specified level of confidence.

After data validation, the percent completeness is calculated by dividing the number of samples with valid data by the number of samples collected. Valid data includes both unqualified data that passes all QC criteria and qualified data that did not pass all the QC criteria but that was not flagged for rejection.

As seen in Table 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	109	100%	0%	>90%
PCB – Wipe	107	100%	0%	>90%

3.5.3 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Data is considered comparable if quality assurance (QA)/QC measures, such as sample collection procedures, analytical methods, reporting units, and analytical reporting limits are equivalent for the samples within a data set. Adherence to QA/QC measures assures that samples collected in similar conditions (i.e., the low occupancy area of Zone 4) 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 4, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audit conducted on May 1, 2023, as well as regular reviews of field forms and chain-of-custody forms, it was determined that field activities, including confirmation wipe sampling activities, were conducted in accordance with the NTCRA Work Plan as well as SOPs developed for field activities associated with the NTCRA.

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 QL 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 numerical 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	0.5 µg/ft ²
PCB	U.S. EPA Method 8082	≤100 µg/100 cm ²	0.5 µg/100 cm ²	0.5 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 Enclosures A/B and C/D and analyzed for lead and PCBs 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).

4.1 Clearance Wipe Re-Sampling Activities and Results

Initial clearance wipe sampling of Zone 4 Enclosure A/B was conducted on June 8, June 9, and June 12, 2023. While PCBs were not reported above the analytical reporting limit in any of the clearance wipe samples collected from within Zone 4 Enclosure A/B, the average lead concentration in clearance wipe samples (i.e., $415 \mu\text{g}/\text{ft}^2$) exceeded the Clearance Goal (i.e., $<250 \mu\text{g}/\text{ft}^2$). As a result, the areas with elevated lead concentrations in Zone 4 Enclosure A/B were recleaned and resampled, which resulted in the collection of ten additional clearance wipe samples and one additional lead duplicate on June 13, 2023.¹² Upon the completion of re-cleaning, the average lead concentration in the clearance wipe samples collected within Zone 4 Enclosure A/B was below the Clearance Goal.

After receipt of the initial clearance wipe sampling results for Zone 4 Enclosure A/B, the Project Team evaluated the root cause of the clearance wipe exceedances and adjusted the cleaning procedures. As evidenced by the clearance sampling results for Zone 4 Enclosure C/D, these adjustments resolved the issue.

4.2 Data Review for Clearance Wipe Samples

Rincon conducted a review of laboratory analytical reports for the clearance wipe samples collected in Zone 4. 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 4 are presented in Attachment 6. The average lead clearance sampling results for

¹² Because PCBs were not detected in any of the initial clearance wipe samples, PCBs were not analyzed in the additional clearance samples.

Enclosure A/B and C/D are 60 and 125 $\mu\text{g}/\text{ft}^2$, respectively.¹³ PCBs were not detected above the maximum laboratory QL (i.e., 0.5 $\mu\text{g}/100\text{ cm}^2$) in any of the clearance wipe samples.

Flags were applied to clearance sample results in Attachment 6 based on Rincon's review of the analytical reports. "b" flags were applied to two lead sample results where lead was observed in an interference check standard, however there were no relevant interferences present in the project samples or QC samples. These recoveries did not have any impact on data quality.

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

In accordance with Worksheet #17 of the UFP-QAPP, the average concentration of lead and PCBs in the clearance samples were compared with the Clearance Goals. As the averages of the clearance sampling results for the cleaned scaffolding, structural steel, and enclosure materials were below the Clearance Goals of $<250\text{ }\mu\text{g}/\text{ft}^2$ for lead and $\leq 10\text{ }\mu\text{g}/100\text{ cm}^2$ for PCBs, these materials were adequately decontaminated, and no additional decontamination was required for the two enclosures within Zone 4.

¹³ The results for field blank samples, media blank samples, the lower of duplicate sampling results, and the original results from locations that were recleaned and resampled were not included in the calculation of the average of the clearance wipe sampling results.



5 Conclusions

Based on the NACE inspections and the DUA (Section 3), the lead and PCB confirmation wipe sampling results are suitable for comparison against their respective numeric Cleanup Goals. The 95-percent UCL for the mean lead concentration in the confirmation wipe samples collected within the low occupancy area of Zone 4 was approximately $86 \mu\text{g}/\text{ft}^2$, 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 was not 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 4.

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 the maximum analytical reporting limit of $0.5 \mu\text{g}/100 \text{ cm}^2$, the low occupancy area of Zone 4 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 4.



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). 2023. *Hangar 1 Data Summary Submittal, High Occupancy Area of Zone 1, Former Naval Air Station Moffett Field, California*. March 2023.
- United States Environmental Protection Agency (U.S. EPA). *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 4

Figure 1

Attachment 1

NACE Inspection Forms



Client Representative: McCarthy
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 4 AREA B

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Friday, April 21, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	6:27 AM	10:27 AM	2:27 PM	6:27 PM				
Dry Bulb	59.8 °F	91.8 °F	79.5 °F	70.8 °F				35-120 F
Wet Bulb	55.5 °F	70.6 °F	64.4 °F	60.8 °F				
Depression	4.3 °F	21.2 °F	15.1 °F	10.0 °F				
Relative Humidity	76.4%	30.9%	40.4%	54.2%				85%
Dew Point	52.3 °F	56.8 °F	53.3 °F	53.5 °F				
Steel temp	58.6 °F	93.4 °F	80.0 °F	70.6 °F				35-120 F
Difference	6.3 °F	36.6 °F	26.6 °F	12.1 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? CONTAINMENT, DEHUMIDIFIERS.

Work area illumination value: >50 FC

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

QC Instrument Info. POSITECTOR

Model No.

DPM

Serial No.

447113

SURFACE PREPARATION

☒ STEEL

☐ CONCRETE

☐ WOOD

☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.7 mils

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: _____

Material Applied: _____

Specified Material:

Part A Batch #'s: _____

Part B Batch #'s: _____

Part C Batch #'s: _____

Thinner Batch #'s: _____

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

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: _____

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: PERFORMED A BLOTTER TEST; STARTED ABRASIVE BLASTING IN ZONE 4 AREA B LEVELS 21,23,25,27.

ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

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

QC Inspector Signature: _____

Date: 4/13/2023

QC Supervisor Signature: _____

Date: 4-25-23

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 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: ABRASIVE BLASTING IN ZONE 4 AREA B

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, April 24, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	6:35 AM	10:35 AM	2:35 PM	6:35 PM				35-120 F
Dry Bulb	61.8 °F	86.5 °F	74.2 °F	66.1 °F				
Wet Bulb	55.0 °F	66.7 °F	60.9 °F	56.6 °F				
Depression	6.8 °F	19.8 °F	13.3 °F	9.5 °F				
Relative Humidity	63.4%	29.7%	42.5%	53.0%				85%
Dew Point	49.3 °F	51.2 °F	50.0 °F	48.5 °F				
Steel temp	62.1 °F	87.4 °F	74.3 °F	65.3 °F				35-120 F
Difference	12.9 °F	36.2 °F	24.3 °F	16.8 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? CONTAINMENT, DEHUMIDIFIERS.
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: 3.8 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: _____

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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: PERFORMED A BLOTTER TEST; CONTINUE ABRASIVE BLASTING IN ZONE 4 AREA B LEVELS 21, 23, 25, 27.

ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

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

QC Inspector Signature: _____

Date: 4/24/2023

QC Supervisor Signature: _____

Date: 4-25-23

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: TJ GARLAND-ISRAEL VILLALOBOS
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: ABRASIVE BLASTING IN ZONE 4 AREA B

Project: HANGAR 1
 Inspector: JUAN MARTINEZ
 Date Worked: Wednesday, April 26, 2023
 Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	6:04 AM	10:04 AM	2:04 PM	6:04 PM				
Dry Bulb	58.0 °F	88.3 °F	83.9 °F	77.0 °F				35-120 F
Wet Bulb	53.7 °F	68.6 °F	65.9 °F	63.1 °F				
Depression	4.3 °F	19.7 °F	18.0 °F	13.9 °F				
Relative Humidity	74.9%	32.5%	34.0%	43.0%				85%
Dew Point	50.1 °F	55.1 °F	52.5 °F	52.8 °F				
Steel temp	57.8 °F	90.3 °F	84.7 °F	76.7 °F				35-120 F
Difference	7.7 °F	35.2 °F	32.2 °F	23.8 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? CONTAINMENT, DEHUMIDIFIERS.
 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 <u>GARNET</u>	Compressed Air Tested? YES ☒ NO ☐					
	Size <u>GX2</u>	(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/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 _____					

PRESS-O-FILM™
 Made in U.S.A.
TESTEX
 NEWARK, DE 19715
 USA
 sample 4-26-23
 reading 3.6
 gauge less 2.0 mils
 or 50 µm
X COARSE Plus (useful range: see data sheet)

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

Notes: PERFORMED A BLOTTER TEST; CONTINUE ABRASIVE BLASTING IN ZONE 4 AREA B LEVELS 21, 22, 23, 25, 26 AND 27
ABRASIVE BLASTING PERFORMED INSIDE A CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
 QC Inspector Signature: [Signature] Date: 4/26/2023
 QC Supervisor Signature: [Signature] Date: 4-27-23
 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: ABRASIVE BLASTING IN ZONE 4 AREA B

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

Environmental Conditions:

Time	6:04 AM	10:04 AM	2:04 PM	6:04 PM					Specified Conditions
Dry Bulb	53.1 °F	57.8 °F	67.0 °F	64.0 °F					35-120 F
Wet Bulb	48.7 °F	50.8 °F	55.2 °F	53.3 °F					
Depression	4.4 °F	7.0 °F	11.8 °F	10.7 °F					
Relative Humidity	72.0%	59.6%	42.0%	44.5%					85%
Dew Point	44.3 °F	43.8 °F	43.2 °F	41.9 °F					
Steel temp	51.5 °F	56.8 °F	67.1 °F	63.3 °F					35-120 F
Difference	7.2 °F	13.0 °F	23.9 °F	21.4 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT, DEHUMIDIFIERS AND HEATERS.
Work area illumination value: >50 FC

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

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

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Blasting performed by evaluated/approved blasters: YES ☒ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐
Vial test performed on this batch of abrasive? YES ☒ NO ☐

Profile specified: 2 mils Actual Profile: 3.6 mils

sample 5.1-2.3
reading 3.6
gage less 2.0 mils
of 50 µm
X COARSE Plus (useful range: see data sheet)
PRESS-O-FILM™
TESTEX
NEWARK, DE 19715
USA
Made in USA

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: RE-STARTED ABRASIVE BLASTING IN ZONE 4B-LEVELS 18,19,21,24,25 AND 26.

ALL ABRASIVE BLASTING ACTIVITIES ARE BEING DONE IN THE CONTAINMENT.

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

QC Inspector Signature: _____

Date: 5/1/2023

QC Supervisor Signature: _____

Date: 5-1-23

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



Client Representative: **MCCARTHY**
 Certified Supervisor: **TJ GARLAND-ISRAEL VILLALOBOS**
 Work Location: **MOFFETT FIELD CA.**
 Owner: **GOOGLE**
 Task: **ABRASIVE BLASTING/BLOWING DOWN IN ZONE 4 AREA B**

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

Environmental Conditions:								Specified Conditions
Time	6:04 AM	10:20 AM	2:20 PM	6:20 PM				
Dry Bulb	57.1 °F	65.5 °F	65.3 °F	61.8 °F				35-120 F
Wet Bulb	52.9 °F	58.4 °F	58.5 °F	56.5 °F				
Depression	4.2 °F	7.3 °F	7.6 °F	6.2 °F				
Relative Humidity	75.3%	63.9%	62.4%	67.3%				85%
Dew Point	49.4 °F	53.1 °F	52.9 °F	51.7 °F				
Steel temp	55.8 °F	65.5 °F	65.3 °F	61.8 °F				35-120 F
Difference	6.5 °F	12.4 °F	12.4 °F	10.0 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? **CONTAINMENT, DEHUMIDIFIERS AND HEATERS.**
 Work area illumination value: **>50 FC**

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

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

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type **GARNET** 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: **3.4** mils

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

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: **RESUME ABRASIVE BLASTING IN ZONE 4B-LEVELS 18,19,20,21,22,23,24,25 AND 26.AFTER 2 DAYS OF STOPAGE DUE TO BAD WEATHER.**
ALL ABRASIVE BLASTING ACTIVITIES ARE BEING DONE IN THE CONTAINMENT.

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

QC Inspector Signature: _____ Date: **5/4/2023**

QC Supervisor Signature: _____ Date: **5-7-23**

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: **ABRASIVE BLASTING/BLOWING DOWN IN ZONE 4 AREA B**

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

Environmental Conditions:								Specified Conditions
Time	6:20 AM	10:20 AM	2:20 PM	6:20 PM				
Dry Bulb	62.7 °F	73.4 °F	73.3 °F	64.1 °F				35-120 F
Wet Bulb	58.2 °F	62.8 °F	62.3 °F	57.3 °F				
Depression	4.5 °F	10.6 °F	11.0 °F	6.8 °F				
Relative Humidity	76.2%	53.7%	51.9%	65.1%				85%
Dew Point	55.1 °F	55.8 °F	54.6 °F	52.2 °F				
Steel temp	61.6 °F	73.1 °F	73.1 °F	63.1 °F				35-120 F
Difference	6.5 °F	17.6 °F	18.6 °F	11.0 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? **CONTAINMENT, DEHUMIDIFIERS AND HEATERS.**
 Work area illumination value: **>50 FC**

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

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

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: **N/A** PSI

Comments: **N/A**

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: **2** mils Actual Profile: **3.5** mils

PRESS-O-FILM™ Made in USA.
 TESTEX
 NEWARK, DE 19715
 sample reading
 2 mils
 X COARSE Plus (useful range: see data sheet)

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: **CONTINUE AND FINISH ABRASIVE BLASTING IN ZONE 4B, STARTED BLOWING DOWN STRUCTURAL STEEL.**
ALL ABRASIVE BLASTING ACTIVITIES ARE BEING DONE IN THE CONTAINMENT.

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

QC Inspector Signature: _____

Date: **5/5/2023**

QC Supervisor Signature: _____

Date: **5-10-23**

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: SWEEP BLASTING/BLOWING DOWN IN ZONE 4 AREA B

Project: HANGAR 1
 Inspector: JUAN MARTINEZ
 Date Worked: Monday, May 8, 2023
 Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	6:14 AM	10:14 AM	2:14 PM	6:14 PM				
Dry Bulb	68.4 °F	63.9 °F	70.2 °F	64.2 °F				35-120 F
Wet Bulb	58.9 °F	56.2 °F	61.0 °F	57.1 °F				
Depression	9.5 °F	7.7 °F	9.2 °F	7.1 °F				
Relative Humidity	54.6%	60.5%	57.8%	63.5%				85%
Dew Point	51.5 °F	49.9 °F	54.6 °F	51.6 °F				
Steel temp	68.4 °F	63.1 °F	70.0 °F	63.3 °F				35-120 F
Difference	17.0 °F	13.2 °F	15.4 °F	11.7 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? CONTAINMENT, DEHUMIDIFIERS AND HEATERS.
 Work area illumination value: >50 FC

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

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

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.7 mils

sample 5-8-23
 reading 3.7
 grade less 2.0 mils
 of 50 µm
X COARSE PLUS
 (useful range: see data sheet)
 TESTEX
 NEWARK, DE 19715
 USA
 PRESS-O-FILM™
 Made in U.S.A.

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: IT RAIN IN 05/06/23; RE-ARRANGED BLAST HOSES, SWEEP BLAST RAIN DAMAGED AREAS IN ZONE 4B,
FROM LEVEL 27 TO LEVEL 18 AND BLOWING DOWN SPENT GRIT.
ALL ABRASIVE BLASTING ACTIVITIES ARE BEING DONE IN THE CONTAINMENT.

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

QC Inspector Signature: _____

Date: 5/8/2023

QC Supervisor Signature: _____

Date: 5-10-23

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: ABRASIVE BLASTING IN ZONE 4 AREA A

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

Environmental Conditions:

Time	6:14 AM	10:14 AM	2:14 PM	6:14 PM	Specified Conditions
Dry Bulb	53.3 °F	60.2 °F	67.1 °F	62.8 °F	35-120 F
Wet Bulb	48.4 °F	52.7 °F	57.5 °F	56.4 °F	
Depression	4.9 °F	6.5 °F	9.6 °F	6.4 °F	
Relative Humidity	69.2%	58.8%	53.1%	66.5%	85%
Dew Point	43.4 °F	45.7 °F	49.5 °F	51.5 °F	
Steel temp	51.7 °F	59.2 °F	65.7 °F	61.8 °F	35-120 F
Difference	8.2 °F	13.5 °F	16.2 °F	10.2 °F	+5 F
Conditions	SAT	SAT	SAT	SAT	

Environmental Controls? CONTAINMENT, DEHUMIDIFIERS AND HEATERS.
Work area illumination value: >50 FC

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

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

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.9 mils

PRESS-O-FILM™
sample 5.11.23
reading 3.9
range less 2.0 mils
or 50 um
X COARSE PLUS (useful range: see data sheet)
TESTEX
NEWARK, DE 19715
USA
Made in U.S.A.

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: FINISHED RIGGING BLAST HOSES AND STARTED ABRASIVE BLASTING IN ZONE 4 AREA A, LEVELS 5, 8, 11, 14 and 17.

ALL ABRASIVE BLASTING ACTIVITIES ARE BEING DONE IN THE CONTAINMENT.

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

QC Inspector Signature: _____

Date: 5/11/2023

QC Supervisor Signature: _____

Date: 5-15-23

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

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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 VILLOBOS**
 Work Location: **MOFFETT FIELD CA.**
 Owner: **GOOGLE**
 Task: **ABRASIVE BLASTING IN ZONE 4 AREA A**

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

Environmental Conditions:

Time	6:14 AM	10:14 AM	2:14 PM	6:14 PM	Specified Conditions
Dry Bulb	55.6 °F	69.8 °F	70.4 °F	65.1 °F	35-120 F
Wet Bulb	51.0 °F	58.8 °F	60.4 °F	58.4 °F	
Depression	4.6 °F	11.0 °F	10.0 °F	6.7 °F	
Relative Humidity	72.7%	49.2%	53.9%	66.3%	85%
Dew Point	46.9 °F	49.9 °F	52.9 °F	53.6 °F	
Steel temp	54.1 °F	69.2 °F	69.4 °F	64.1 °F	35-120 F
Difference	7.1 °F	19.3 °F	16.5 °F	10.5 °F	+5 F
Conditions	SAT	SAT	SAT	SAT	

Environmental Controls? **CONTAINMENT, DEHUMIDIFIERS AND HEATERS.**
 Work area illumination value: **>50 FC**

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

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

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: **N/A** PSI

Comments: **N/A**

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: **2** mils Actual Profile: **3.5** mils

PRESS-O-FILM™ Made in U.S.A.
 sample 5-12-23
 reading 3.5 mils
 gauge less 2.0 mils
 or 50 µm
TESTEX
 NEWARK, DE 19715
 USA
X COARSE PLUS (useful range: see data sheet)

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: **PERFORMED A BLOTTER TEST AND CONTINUE ABRASIVE BLASTING IN ZONE 4 AREA A, LEVELS 5,7,8,10, 11,13,14 AND 16.**

ALL ABRASIVE BLASTING ACTIVITIES ARE BEING DONE IN THE CONTAINMENT.

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

QC Inspector Signature: _____

Date: **5/12/2023**

QC Supervisor Signature: _____

Date: **5-15-23**

Form No. **2** Revision: **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: ABRASIVE BLASTING IN ZONE 4 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, May 15, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	6:14 AM	10:14 AM	2:14 PM	6:14 PM					Specified Conditions
Dry Bulb	60.4 °F	83.7 °F	77.5 °F	69.7 °F					35-120 F
Wet Bulb	56.2 °F	67.2 °F	64.2 °F	61.4 °F					
Depression	4.2 °F	16.5 °F	13.3 °F	8.3 °F					
Relative Humidity	76.8%	39.1%	45.9%	61.7%					85%
Dew Point	53.1 °F	56.2 °F	55.0 °F	55.9 °F					
Steel temp	59.0 °F	82.9 °F	76.7 °F	68.8 °F					35-120 F
Difference	5.9 °F	26.7 °F	21.7 °F	12.9 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT, DEHUMIDIFIERS AND HEATERS.
Work area illumination value: >50 FC

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

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

SURFACE PREPARATION

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



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

Time Elapsed Since Surface Prep: _____

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

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

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

Notes: PERFORMED A BLOTTER TEST AND CONTINUE ABRASIVE BLASTING IN ZONE 4 AREA A, LEVELS 15, 13, 12, 10, 7 AND 5.

ALL ABRASIVE BLASTING ACTIVITIES ARE BEING DONE IN THE CONTAINMENT.

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

QC Inspector Signature: _____

Date: 5/15/2023

QC Supervisor Signature: _____

Date: 5-23-23

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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 4 AREA A

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, May 16, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	6:29 AM	10:29 AM	2:29 PM	6:29 PM					Specified Conditions
Dry Bulb	58.9 °F	81.5 °F	77.9 °F	74.4 °F					35-120 F
Wet Bulb	55.4 °F	66.8 °F	65.1 °F	63.7 °F					
Depression	3.5 °F	14.7 °F	12.8 °F	10.7 °F					
Relative Humidity	80.3%	43.6%	48.2%	54.0%					85%
Dew Point	52.9 °F	57.3 °F	56.8 °F	56.7 °F					
Steel temp	57.6 °F	80.4 °F	77.0 °F	73.7 °F					35-120 F
Difference	5.0 °F	23.1 °F	20.3 °F	17.0 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT, DEHUMIDIFIERS AND HEATERS.
Work area illumination value: >50 FC

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

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

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET 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: 3.4 mils

sample reading
5.4
gpa less 2.0 mils
3.4
X COARSE PLUS
(useful range: see data sheet)

TESTEX
NEWARK, DE 19715
USA

MADE IN
USA

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: PERFORMED A BLOTTER TEST AND CONTINUE ABRASIVE BLASTING IN ZONE 4 AREA A, LEVELS 15, 12, 9, 7, 6, 5, 4 and 3.
ALL ABRASIVE BLASTING ACTIVITIES ARE BEING DONE IN THE CONTAINMENT.

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

QC Inspector Signature: _____

Date: 5/16/2023

QC Supervisor Signature: _____

Date: 5-23-23

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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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 VILALOBOS
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: ABRASIVE BLASTING IN ZONE 4 AREA C

Project: HANGAR 1
 Inspector: JUAN MARTINEZ
 Date Worked: Friday, June 2, 2023
 Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:								Specified Conditions
Time	6:06 AM	10:06 AM	2:06 PM	6:06 PM				
Dry Bulb	51.4 °F	72.2 °F	114.0 °F	116.4 °F				35-120 F
Wet Bulb	46.7 °F	61.3 °F	79.7 °F	80.9 °F				
Depression	4.7 °F	10.9 °F	34.3 °F	35.5 °F				
Relative Humidity	69.5%	51.5%	17.1%	16.7%				85%
Dew Point	41.7 °F	53.3 °F	58.7 °F	59.9 °F				
Steel temp	49.1 °F	73.4 °F	114.4 °F	115.3 °F				35-120 F
Difference	7.4 °F	20.1 °F	55.7 °F	55.5 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? CONTAINMENT
 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: 3.5 mils



PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: PERFORMED A BLOTTER TEST-STARTED ABRASIVE BLASTING IN ZONE 4 AREA C LEVELS 17,21,24 AND 27
ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: [Signature] Date: 6/2/2023

QC Supervisor Signature: [Signature] Date: 6-6-23

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 VILLOBOS
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: ABRASIVE BLASTING IN ZONE 4 AREA C

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

Environmental Conditions:

Time	6:35 AM	10:35 AM	2:35 PM	6:35 PM	Specified Conditions
Dry Bulb	56.1 °F	84.7 °F	104.5 °F	102.0 °F	35-120 F
Wet Bulb	52.0 °F	67.1 °F	75.7 °F	73.7 °F	
Depression	4.1 °F	17.6 °F	28.8 °F	28.3 °F	
Relative Humidity	75.2%	36.2%	21.3%	19.2%	85%
Dew Point	48.4 °F	54.9 °F	57.1 °F	52.3 °F	
Steel temp	54.7 °F	85.6 °F	105.3 °F	100.1 °F	35-120 F
Difference	6.3 °F	30.7 °F	48.2 °F	47.8 °F	+5 F
Conditions	SAT	SAT	SAT	SAT	

Environmental Controls? CONTAINMENT

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: 3.7 mils

PRESS-O-FILM™
 Made in U.S.A.
 TESTEX
 NEWARK, DE 19715
 sample 2-1-22
 reading 2.7
 gauge less 2.0 mils
 or 50 µm
 X COARSE PLUS (useful range: see data sheet)

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: PERFORMED A BLOTTER TEST-CONTINUE ABRASIVE BLASTING IN ZONE 4 AREA C LEVELS 16,17,19,21, 24,26 AND 27.

ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: _____

Date: 6/5/2023

QC Supervisor Signature: _____

Date: 6-14-23

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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Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 4 AREA C

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

Environmental Conditions:

Time	6:35 AM	10:35 AM	2:35 PM	6:35 PM					Specified Conditions
Dry Bulb	59.0 °F	61.1 °F	105.5 °F	100.9 °F					35-120 F
Wet Bulb	53.2 °F	55.5 °F	75.9 °F	73.7 °F					
Depression	5.8 °F	5.6 °F	29.6 °F	27.2 °F					
Relative Humidity	67.2%	69.2%	20.1%	21.7%					85%
Dew Point	48.1 °F	51.0 °F	56.4 °F	54.7 °F					
Steel temp	57.3 °F	60.1 °F	105.6 °F	99.6 °F					35-120 F
Difference	9.2 °F	9.1 °F	49.2 °F	44.9 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT

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: 3.8 mils

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

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: PERFORMED A BLOTTER TEST-CONTINUE ABRASIVE BLASTING IN ZONE 4 AREA C LEVELS 26,25,24,23, 21,20,19.

ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: _____

Date: 6/6/2023

QC Supervisor Signature: _____

Date: 6-14-23

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: TJ GARLAND-ISRAEL VILLALOBOS
 Work Location: MOFFETT FIELD CA.
 Owner: GOOGLE
 Task: ABRASIVE BLASTING IN ZONE 4 AREA C

Project: HANGAR 1
 Inspector: JUAN MARTINEZ
 Date Worked: Wednesday, June 7, 2023
 Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:								Specified Conditions
Time	6:35 AM	10:35 AM	2:35 PM	6:35 PM				
Dry Bulb	58.4 °F	83.0 °F	115.0 °F	110.3 °F				35-120 F
Wet Bulb	54.2 °F	66.1 °F	80.2 °F	77.9 °F				
Depression	4.2 °F	16.9 °F	34.8 °F	32.4 °F				
Relative Humidity	76.1%	36.9%	16.7%	17.6%				85%
Dew Point	50.9 °F	53.9 °F	58.9 °F	56.5 °F				
Steel temp	57.0 °F	83.7 °F	115.5 °F	108.5 °F				35-120 F
Difference	6.1 °F	29.8 °F	56.6 °F	52.1 °F				+5 F
Conditions	SAT	SAT	SAT	SAT				

Environmental Controls? CONTAINMENT

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 <u>GARNET</u>	Compressed Air Tested?		YES ☒	NO ☐		
	Size <u>GX2</u>	(attach pictures of blotter - note date & time)					
Blasting performed by evaluated/approved blasters:	YES ☒	NO ☐					
Abrasive cleanliness inspected and acceptable:	YES ☒	NO ☐					
Vial test performed on this batch of abrasive?	YES ☒	NO ☐					
Profile specified:	2 mils	Actual Profile:	3.5 mils				
PRIMER							
Soluble Salt Test Performed:	YES ☐	NO ☐	Results:				
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:				
Satisfactory Pre-cleaning Completed:	YES ☐	NO ☐					
Paint mixed per manufacturer's instructions:	YES ☐	NO ☐					
Specified Material:	Material Applied:						
Part A Batch #s:	Part A Batch #s:						
Part B Batch #s:	Part B Batch #s:						
Part C Batch #s:	Part C Batch #s:						
Thinner Batch #s:	Thinner Batch #s:						
Mix Time:	Start Application:	Time Complete:	Pot Life:				
Mix Time:	Start Application:	Time Complete:	Pot Life:				
Mix Time:	Start Application:	Time Complete:	Pot Life:				
Material Temp:	Typical Wet Film Readings:		mils				
Qty. Mixed:	Qty. Applied:	Approximate SF:					
Min. Storage Temp.	Max. Storage Temp.	Actual Storage Temperature					

Notes: PERFORMED A BLOTTER TEST-CONTINUE ABRASIVE BLASTING IN ZONE 4 AREA C LEVELS 26,25,23,22, 21,19,18.
ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: [Signature]

Date: 6/7/2023

QC Supervisor Signature: [Signature]

Date: 6-14-23

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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Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 4 AREA C

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

Environmental Conditions:

Time	6:35 AM	10:35 AM	2:35 PM	6:35 PM					Specified Conditions
Dry Bulb	56.2 °F	78.7 °F	114.5 °F	98.2 °F					35-120 F
Wet Bulb	51.5 °F	63.0 °F	79.8 °F	72.4 °F					
Depression	4.7 °F	15.7 °F	34.7 °F	25.8 °F					
Relative Humidity	72.2%	37.0%	16.3%	23.1%					85%
Dew Point	47.3 °F	50.3 °F	57.8 °F	54.1 °F					
Steel temp	54.5 °F	78.0 °F	115.4 °F	98.2 °F					35-120 F
Difference	7.1 °F	27.7 °F	57.6 °F	44.1 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT
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: 3.5 mils

PRESS-O-FILM™
TESTEX
sample reading
6-12-23
gauge less 2.0 mils
or 50 µm
USA
Made in USA
(useful range: see data sheet)

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: PERFORMED A BLOTTER TEST-RESUME ABRASIVE BLASTING IN ZONE 4 AREA C LEVELS 25,23,22,20,19, 18
ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: _____

Date: 6/12/2023

QC Supervisor Signature: _____

Date: 6-14-23

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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Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 4 AREA C

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, June 13, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	6:35 AM	10:35 AM	2:35 PM	6:35 PM					Specified Conditions
Dry Bulb	55.7 °F	73.1 °F	110.5 °F	111.7 °F					35-120 F
Wet Bulb	51.8 °F	60.9 °F	78.3 °F	78.6 °F					
Depression	3.9 °F	12.2 °F	32.2 °F	33.1 °F					
Relative Humidity	76.7%	46.7%	18.5%	17.6%					85%
Dew Point	48.5 °F	51.5 °F	58.0 °F	57.6 °F					
Steel temp	53.8 °F	72.5 °F	111.5 °F	111.7 °F					35-120 F
Difference	5.4 °F	21.0 °F	53.4 °F	54.1 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.3 mils

PRESS-O-FILM™
sample
reading
gauge less 2.0 mils
or 50 µm
TESTEX
NEWARK, DE 19715
USA
(useful range: see data sheet)

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: PERFORMED A BLOTTER TEST AND CONTINUE ABRASIVE BLASTING IN ZONE 4 AREA C LEVELS 17,18,19 AND 20.
ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: _____

QC Supervisor Signature: _____

Date: 6/13/2023

Date: 6-14-23

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

Distribution: 1. Jobsite file

2. Project Manager

3. Client

The results relate only to items inspected/tested

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Client Representative: McCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING/BLOW DOWN IN ZONE 4 AREA C

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, June 14, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	6:35 AM	10:35 AM	2:35 PM	6:35 PM					Specified Conditions
Dry Bulb	59.9 °F	78.5 °F	117.6 °F	111.5 °F					35-120 F
Wet Bulb	55.5 °F	64.5 °F	81.4 °F	78.7 °F					
Depression	4.4 °F	14.0 °F	36.2 °F	22.8 °F					
Relative Humidity	75.3%	43.7%	16.3%	18.2%					85%
Dew Point	52.1 °F	54.6 °F	60.2 °F	58.4 °F					
Steel temp	58.3 °F	78.5 °F	118.6 °F	111.9 °F					35-120 F
Difference	6.2 °F	23.9 °F	58.4 °F	53.6 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☒ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER
Satisfactory Pre-cleaning Completed: YES ☒ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☒ SP 7 ☐ SP 10 ☒ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☒ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☒ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐
Vial test performed on this batch of abrasive? YES ☒ NO ☐
Profile specified: 2 mils Actual Profile: 3.3 mils

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

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

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐
Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

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

Notes: PERFORMED A BLOTTER TEST, CONTINUE AND FINISHED ABRASIVE BLASTING IN ZONE 4 AREA C LEVEL
18 AND STARTED BLOWING DOWN FROM LEVEL 27 TO LEVEL 17.
ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: _____

QC Supervisor Signature: _____

Form No. QC0005 Revision: 2

Rev. Date 23-Sep-22

Date: 6/14/2023

Date: 6-20-23

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: ABRASIVE BLASTING IN ZONE 4 AREA D

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Tuesday, June 20, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	5:59 AM	9:59 AM	1:59 PM	5:59 PM					Specified Conditions
Dry Bulb	48.0 °F	62.5 °F	92.7 °F	117.5 °F					35-120 F
Wet Bulb	43.3 °F	54.0 °F	69.0 °F	80.7 °F					
Depression	4.7 °F	8.5 °F	23.7 °F	36.8 °F					
Relative Humidity	66.6%	54.9%	22.8%	14.2%					85%
Dew Point	37.5 °F	46.1 °F	49.2 °F	56.3 °F					
Steel temp	46.3 °F	61.9 °F	95.0 °F	119.7 °F					35-120 F
Difference	8.9 °F	15.9 °F	45.7 °F	63.4 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

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

QC Instrument Info. POSITECTOR

Model No. DPM

Serial No. 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: PERFORMED A BLOTTER TEST-STARTED ABRASIVE BLASTING IN ZONE 4D, LEVELS 16, 12, 11, 9 AND 2.

ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: _____

Date: 6/20/2023

QC Supervisor Signature: _____

Date: 6-23-23

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: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 4 AREA D

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Wednesday, June 21, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	5:19 AM	9:19 AM	1:19 PM	5:19 PM					Specified Conditions
Dry Bulb	58.2 °F	58.1 °F	78.5 °F	105.9 °F					35-120 F
Wet Bulb	50.7 °F	50.0 °F	63.7 °F	76.4 °F					
Depression	7.5 °F	8.1 °F	14.8 °F	29.5 °F					
Relative Humidity	56.9%	53.0%	40.5%	20.8%					85%
Dew Point	43.0 °F	41.1 °F	52.5 °F	57.5 °F					
Steel temp	53.5 °F	57.0 °F	78.8 °F	105.6 °F					35-120 F
Difference	10.4 °F	15.9 °F	26.3 °F	48.1 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

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

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



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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐

FINISH ☐

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: PERFORMED A BLOTTER TEST-CONTINUE ABRASIVE BLASTING IN ZONE 4D, LEVELS 16,15,13,12,10,7,6 AND 2.

ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: _____

QC Supervisor Signature: _____

Form No. QC0005 Revision: 2

Rev. Date 23-Sep-22

Date: 6/21/2023

Date: 6-23-23

Distribution: 1. Jobsite file

2. Project Manager

3. Client

The results relate only to items inspected/tested

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



Client Representative: MCCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 4 AREA D

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, June 22, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	5:19 AM	9:19 AM	1:21 PM	5:21 PM					Specified Conditions
Dry Bulb	60.5 °F	64.0 °F	81.2 °F	108.4 °F					35-120 F
Wet Bulb	54.9 °F	54.8 °F	63.9 °F	76.6 °F					
Depression	5.6 °F	9.2 °F	17.3 °F	31.8 °F					
Relative Humidity	68.8%	52.3%	33.4%	17.0%					85%
Dew Point	50.3 °F	46.2 °F	49.7 °F	54.0 °F					
Steel temp	61.9 °F	63.1 °F	81.3 °F	109.7 °F					35-120 F
Difference	11.7 °F	16.9 °F	31.7 °F	55.7 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

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

QC Instrument Info. POSITECTOR

Model No.

DPM

Serial No. 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



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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: PERFORMED A BLOTTER TEST-CONTINUE ABRASIVE BLASTING IN ZONE 4D, LEVELS 15,14,12,11,9,7,6,2.

ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: _____

Date: 6/22/2023

QC Supervisor Signature: _____

Date: 6-23-23

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



Client Representative: McCARTHY
Certified Supervisor: TJ GARLAND-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 4 AREA D

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Monday, June 26, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:							Specified Conditions
Time	6:21 AM	10:21 AM	2:21 PM	6:21 PM			
Dry Bulb	60.1 °F	61.7 °F	87.8 °F	99.9 °F			35-120 F
Wet Bulb	53.8 °F	55.0 °F	68.5 °F	73.4 °F			
Depression	6.3 °F	6.7 °F	19.3 °F	26.5 °F			
Relative Humidity	65.2%	63.9%	33.0%	22.7%			85%
Dew Point	48.4 °F	49.4 °F	55.1 °F	55.1 °F			
Steel temp	65.2 °F	63.9 °F	33.0 °F	22.7 °F			35-120 F
Difference	10.4 °F	11.6 °F	33.4 °F	44.7 °F			+5 F
Conditions	SAT	SAT	SAT	SAT			

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

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

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 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: 3.5	mils				
PRIMER							
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: _____				Material Applied: _____			
Specified Material: _____		Part A Batch #'s: _____					
Part A Batch #'s: _____		Part B Batch #'s: _____					
Part B Batch #'s: _____		Part C Batch #'s: _____					
Part C Batch #'s: _____		Thinner Batch #'s: _____					
Thinner Batch #'s: _____							
Mix Time: _____	Start Application: _____	Time Complete: _____	Pot Life: _____				
Mix Time: _____	Start Application: _____	Time Complete: _____	Pot Life: _____				
Mix Time: _____	Start Application: _____	Time Complete: _____	Pot Life: _____				
Material Temp: _____	Typical Wet Film Readings: _____	mils					
Qty. Mixed: _____	Qty. Applied: _____	Approximate SF: _____					
Min. Storage Temp. _____	Max. Storage Temp. _____	Actual Storage Temperature _____					



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

Notes: PERFORMED A BLOTTER TEST-CONTINUE ABRASIVE BLASTING IN ZONE 4D, LEVELS 14,11,9,8,7 AND 6.

ALL ABRASIVE BLASTING ACTIVITIES ARE BEING PERFORMED UNDER A CONTAINMENT.

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

QC Inspector Signature: _____

Date: 6/26/2023

QC Supervisor Signature: _____

Date: 6-27-23

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: ABRASIVE BLASTING IN ZONE 4 AREA D

Project: HANGAR 1
Inspector: JUAN MARTINEZ
Date Worked: Thursday, July 20, 2023
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA. 94305

Environmental Conditions:

Time	5:19 AM	9:19 AM	1:19 PM	5:19 PM	Specified Conditions
Dry Bulb	66.0 °F	67.6 °F	84.4 °F	117.1 °F	35-120 F
Wet Bulb	59.8 °F	58.9 °F	68.4 °F	82.1 °F	
Depression	6.2 °F	8.7 °F	16.0 °F	35.0 °F	
Relative Humidity	68.9%	58.0%	41.6%	18.7%	85%
Dew Point	55.5 °F	52.3 °F	58.5 °F	63.7 °F	
Steel temp	65.5 °F	66.3 °F	84.3 °F	119.8 °F	35-120 F
Difference	10.0 °F	14.1 °F	25.9 °F	56.1 °F	+5 F
Conditions	SAT	SAT	SAT	SAT	

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.

Work area illumination value: >50 FC

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

QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447475

SURFACE PREPARATION

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

Satisfactory Pre-cleaning Completed: YES ☒ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

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

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

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

Abrasive cleanliness inspected and acceptable: YES ☒ NO ☐

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

Profile specified: 2 mils Actual Profile: 3.2 mils

PRESS-O-FILM™
sample reading 7.9-2.3
gate test 2.0 mils
or 50 Jm
X COARSE Plus (useful range: see data sheet)
TESTEX
NEWARK, DE 19715
USA
Made in USA

PRIMER

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

INTERMEDIATE ☐

FINISH ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

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

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

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

Specified Material: _____ Material Applied: _____

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

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

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

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

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

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

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

Notes: PERFORM A BLOTTER TEST ON AIR COMRESSORS; CONTINUE AND FINISHED ABRASIVE BLASTING IN ZONE 4 AREA D FROM LEVEL 27 TO GROUND LEVEL.

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

QC Inspector Signature: _____

Date: 7/20/2023

QC Supervisor Signature: _____

Date: 7-21-23

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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Attachment 2

Tabulated PCB and Lead Confirmation Wipe Sampling Analytical Results



Validated Confirmation Wipe Sampling Results - Low Occupancy Area within Zone 4

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 Zone)			<250	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
ARCH-C7E-INT-2.5 TO 3.5-230509-WF	05/09/2023	A/B	61	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-PS-3.5-230509-G	05/09/2023	A/B	8.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-PS-3.5-230509-G	05/09/2023	A/B	9.3	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-3.5 TO 4-UP-C7.2-VS-230509-LA	05/09/2023	A/B	7.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-4 TO 4.5-230509-FB	05/09/2023	A/B	3.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-4 TO 4.5-UP-C6.3-DG-230509-LA	05/09/2023	A/B	66	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-4 TO 4.5-230509-FB	05/09/2023	A/B	<3.3 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-PS-4.5-230509-G	05/09/2023	A/B	8.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-PS-4.5-230509-G	05/09/2023	A/B	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-LA	05/09/2023	A/B	16	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-LA	05/09/2023	A/B	13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-INT-4.5 TO 5.5-230509-WF	05/09/2023	A/B	13	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-EXT-1 TO 2-230509-WF	05/09/2023	A/B	9.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-EXT-1 TO 2-230509-WF	05/09/2023	A/B	66	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-1 TO 1.5-230509-FB [b]	05/09/2023	A/B	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-1 TO 1.5-230509-DUP-FB	05/09/2023	A/B	22	--	--	--	--	--	--	--	--	--
ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-LA	05/09/2023	A/B	46	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-DUP-LA	05/09/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-LA	05/09/2023	A/B	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-DUP-LA	05/09/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-2 TO 2.5-230509-FB [b]	05/09/2023	A/B	87	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-2 TO 2.5-230509-DUP-FB	05/09/2023	A/B	95	--	--	--	--	--	--	--	--	--
ARCH-C6E-PS-2.5-230509-G	05/09/2023	A/B	56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-LA	05/09/2023	A/B	220	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-PS-2.5-230509-G	05/09/2023	A/B	42	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-3 TO 3.5-230509-FB	05/09/2023	A/B	61	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-INT-4.5 TO 5.5-230524-WF	05/24/2023	A/B	22	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-LA	05/24/2023	A/B	29	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-DUP-LA	05/24/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-5 TO 5.5-UP-C7.1-HS-230524-LA	05/24/2023	A/B	30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-PS-5.5-230524-G	05/24/2023	A/B	50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-PS-5.5-230524-G	05/24/2023	A/B	32	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-5 TO 5.5-DN-C7.6-DG-230524-LA	05/24/2023	A/B	62	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-5.5 TO 6-230524-FB [b]	05/24/2023	A/B	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-5.5 TO 6-230524-DUP-FB	05/24/2023	A/B	17	--	--	--	--	--	--	--	--	--
ARCH-C6E-DG-5.5 TO 6-UP-C6.4-HS-230524-LA	05/24/2023	A/B	21	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-5.5 TO 6-DN-C7.1-VS-230524-LA	05/24/2023	A/B	34	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-6 TO 6.5-UP-C6.3-VS-230524-LA	05/24/2023	A/B	46	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-6 TO 6.5-230524-FB	05/24/2023	A/B	18	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-6 TO 6.5-230524-DUP-FB [b]	05/24/2023	A/B	16	--	--	--	--	--	--	--	--	--
ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-LA	05/24/2023	A/B	44	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-DUP-LA	05/24/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-6 TO 6.5-DN-C6.1-DG-230524-LA	05/24/2023	A/B	31	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-LA	05/24/2023	A/B	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-PS-6.5-230524-G	05/24/2023	A/B	25	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-LA	05/24/2023	A/B	220	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-PS-6.5-230524-G	05/24/2023	A/B	58	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-EXT-7 TO 8-230524-WF [b]	05/24/2023	A/B	250	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-EXT-7 TO 8-230524-DUP-WF	05/24/2023	A/B	370	--	--	--	--	--	--	--	--	--
ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-LA	05/24/2023	A/B	170	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-LA	05/24/2023	A/B	180	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-DUP-LA	05/24/2023	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-7.5 TO 8-230524-FB	05/24/2023	A/B	220	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230524-LA	05/24/2023	A/B	73	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6E-DG-7.5 TO 8-DN-C6.7-DG-230524-LA	05/24/2023	A/B	92	<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 4

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 Zone)			<250	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-LA	05/24/2023	A/B	170	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-DG-7 TO 8-DN-C7.5-VS-230524-LA	05/24/2023	A/B	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7E-EXT-8 TO 9-230524-WF	05/24/2023	A/B	290	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-EXT-1 TO 2-230619-WF	06/19/2023	C/D	29	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-EXT-1 TO 2-230619-WF	06/19/2023	C/D	26	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-1.5 TO 2-230619-FB	06/19/2023	C/D	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-LA	06/19/2023	C/D	25	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42	<0.42
ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-DUP-LA	06/19/2023	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-LA	06/19/2023	C/D	23	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-DUP-LA	06/19/2023	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-2 TO 2.5-230619-FB	06/19/2023	C/D	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-2 TO 2.5-230619-DUP-FB [b]	06/19/2023	C/D	10	--	--	--	--	--	--	--	--	--
ARCH-C6W-PS-2.5-230619-G	06/19/2023	C/D	43	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-PS-2.5-230619-G	06/19/2023	C/D	22	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-3 TO 3.5-230619-FB	06/19/2023	C/D	29	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-3 TO 3.5-230619-DUP-FB [b]	06/19/2023	C/D	18	--	--	--	--	--	--	--	--	--
ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-LA	06/19/2023	C/D	56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-PS-3.5-230619-G	06/19/2023	C/D	23	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-PS-3.5-230619-G	06/19/2023	C/D	31	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-4 TO 4.5-230619-FB	06/19/2023	C/D	7.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-4 TO 4.5-UP-C6.3-DG-230619-LA	06/19/2023	C/D	24	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-4 TO 4.5-230619-FB	06/19/2023	C/D	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-PS-4.5-230619-G	06/19/2023	C/D	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-PS-4.5-230619-G	06/19/2023	C/D	190	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-LA	06/19/2023	C/D	32	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-LA	06/19/2023	C/D	61	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-INT-4.5 TO 5.5-230619-WF	06/19/2023	C/D	50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-INT-4.5 TO 5.5-230619-WF [b]	06/19/2023	C/D	51	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-INT-4.5 TO 5.5-230619-DUP-WF	06/19/2023	C/D	57	--	--	--	--	--	--	--	--	--
ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-LA	06/19/2023	C/D	75	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-DUP-LA	06/19/2023	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-LA	06/19/2023	C/D	74	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-PS-5.5-230724-G	07/24/2023	C/D	27	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-PS-5.5-230724-G	07/24/2023	C/D	62	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230724-LA	07/24/2023	C/D	92	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-5.5 TO 6-UP-C6.4-HS-230724-LA	07/24/2023	C/D	110	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-5.5 TO 6-DN-C7.1-VS-230724-LA	07/24/2023	C/D	66	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-LA	07/24/2023	C/D	45	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-6 TO 6.5-230724-FB [b]	07/24/2023	C/D	43	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-6 TO 6.5-230724-DUP-FB	07/24/2023	C/D	45	--	--	--	--	--	--	--	--	--
ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-LA	07/24/2023	C/D	83	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-DUP-LA	07/24/2023	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-LA	07/24/2023	C/D	100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-LA	07/24/2023	C/D	43	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-PS-6.5-230724-G	07/24/2023	C/D	<16 U	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-PS-6.5-230724-G	07/24/2023	C/D	51	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-LA	07/24/2023	C/D	76	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-LA	07/24/2023	C/D	170	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-DUP-LA	07/24/2023	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-INT-7.5 TO 9-230724-WF	07/24/2023	C/D	54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-LA	07/24/2023	C/D	52	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-LA	07/24/2023	C/D	36	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-LA	07/24/2023	C/D	56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C7W-EXT-8 TO 9-230724-WF	07/24/2023	C/D	25	<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 4

Hangar 1 NTCRA
Former Naval Air Station Moffett Field, California

				Lead	PCBs								
				Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Enclosure	µg/ft ²	Concentration - µg/100 cm ²									
Cleanup Goal (Low Occupancy Zone)				<250	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
ARCH-C6W-EXT-7 TO 8-230725-WF [b]	07/25/2023	C/D	3.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
ARCH-C6W-EXT-7 TO 8-230725-DUP-WF	07/25/2023	C/D	6.0	--	--	--	--	--	--	--	--	--	--
95-Percent UCL (Low Occupancy) [c]				86	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230509-MEDBLANK1 [d]	05/09/2023	A/B	0.69	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230524-MEDBLANK2 [d]	05/24/2023	A/B	0.63	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230524-MEDBLANK3 [d]	05/24/2023	A/B	0.88	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230619-MEDBLANK1 [d]	06/19/2023	C/D	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230724-FB2	07/24/2023	C/D	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230724-FB3	07/24/2023	C/D	3.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
230724-MEDBLANK1	07/24/2023	C/D	<0.50	--	--	--	--	--	--	--	--	--	--
230724-MEDBLANK2	07/24/2023	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

U: Indicates the compound or analyte was not detected in the confirmation wipe sample above 5-times the concentration in the associated field blank sample.

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 U CL is presented in this table. The 95-percent UCL output file is presented 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 values were equivalent the duplicate result was not included in the calculation of the 95-percent UCL.

[c] 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.

[d] The samples identified as MEDBLANK collected between May 9, 2023 and June 19, 2023 are referred to as field blank samples in the Zone 4 Low Occupancy Data Summary Submittal Report because they were collected within the enclosure and more accurately represent ambient enclosure conditions during sampling rather than impacts to the sampling media itself.

Bolded values indicate constituents detected above laboratory reporting limits.

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

Attachment 3

Confirmation Sampling Analytical Reports



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

enthalpy.com

Lab Job Number: 484891
Report Level: II
Report Date: 05/19/2023

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 #: 484891
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/10/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C7E-INT-2.5 TO 3.5-230509-P-WF	484891-001	05/09/23 14:40	Wipe
ARCH-C7E-INT-2.5 TO 3.5-230509-L-WF	484891-002	05/09/23 14:40	Wipe
ARCH-C6E-PS-3.5-230509-P-G	484891-003	05/09/23 12:42	Wipe
ARCH-C6E-PS-3.5-230509-L-G	484891-004	05/09/23 12:42	Wipe
ARCH-C7E-PS-3.5-230509-P-G	484891-005	05/09/23 12:30	Wipe
ARCH-C7E-PS-3.5-230509-L-G	484891-006	05/09/23 12:30	Wipe
ARCH-C7E-DG-3.5 TO 4-UP-C7.2-VS-230509-P-LA	484891-007	05/09/23 13:00	Wipe
ARCH-C7E-DG-3.5 TO 4-UP-C7.2-VS-230509-L-LA	484891-008	05/09/23 13:00	Wipe
ARCH-C6E-DG-4 TO 4.5-230509-P-FB	484891-009	05/09/23 13:20	Wipe
ARCH-C6E-DG-4 TO 4.5-230509-L-FB	484891-010	05/09/23 13:20	Wipe
ARCH-C6E-DG-4 TO 4.5-UP-C6.3-DG-230509-P-LA	484891-011	05/09/23 13:35	Wipe
ARCH-C6E-DG-4 TO 4.5-UP-C6.3-DG-230509-L-LA	484891-012	05/09/23 13:35	Wipe
ARCH-C7E-DG-4 TO 4.5-230509-P-FB	484891-013	05/09/23 13:45	Wipe
ARCH-C7E-DG-4 TO 4.5-230509-L-FB	484891-014	05/09/23 13:45	Wipe
ARCH-C6E-PS-4.5-230509-P-G	484891-015	05/09/23 14:10	Wipe
ARCH-C6E-PS-4.5-230509-L-G	484891-016	05/09/23 14:10	Wipe
ARCH-C7E-PS-4.5-230509-P-G	484891-017	05/09/23 14:00	Wipe
ARCH-C7E-PS-4.5-230509-L-G	484891-018	05/09/23 14:00	Wipe
ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-P-LA	484891-019	05/09/23 14:25	Wipe

Sample Summary

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

Lab Job #: 484891
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 05/10/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-L-LA	484891-020	05/09/23 14:25	Wipe
ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-P-LA	484891-021	05/09/23 14:45	Wipe
ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-L-LA	484891-022	05/09/23 14:45	Wipe
ARCH-C7E-INT-4.5 TO 5.5-230509-P-WF	484891-023	05/09/23 14:55	Wipe
ARCH-C7E-INT-4.5 TO 5.5-230509-L-WF	484891-024	05/09/23 14:55	Wipe
230509-P-MEDBLANK1	484891-025	05/09/23 13:15	Wipe
230509-L-MEDBLANK1	484891-026	05/09/23 13:15	Wipe

Case Narrative

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

Lab Job Number: 484891
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 05/10/23

This data package contains sample and QC results for twenty six wipe samples, requested for the above referenced project on 05/11/23. The samples were received cold and intact.

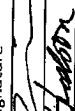
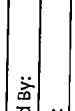
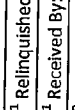
PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

- An exceedance for lead was observed in an interference check standard, however there are no relevant interferences present in the samples or QC. Results are flagged "b" but there is no impact on the reported data.
- No analytical problems were encountered.

ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900				Chain of Custody Record Turn Around Time (rush by advanced notice only)			
				Standard: 5 Day: 3 Day: X (PCBs) 1 Day: Custom TAT:			
Page: 2 of 2				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other			
CUSTOMER INFORMATION				PROJECT INFORMATION			
Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (510) 890-9556 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: D. Welsh + T. Sinnott			
Sample ID				Analysis Request			
Sample ID Sampling Date Sampling Time Matrix Container No./Size Pres.				PCBs - EPA Method 8082 Lead - EPA Method 3050/6010B HOLD			
16 ARCH-C6E-PS-4.5-230509-L-G 5/9/2023 1410 WP 1 --				Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 4 Enclosure A/B (Low Occupancy)			
17 ARCH-C7E-PS-4.5-230509-P-G 5/9/2023 1400 WP 1 --							
18 ARCH-C7E-PS-4.5-230509-L-G 5/9/2023 1400 WP 1 --							
19 ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-P-LA 5/9/2023 1425 WP 1 --							
20 ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-L-LA 5/9/2023 1425 WP 1 --							
21 ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-P-LA 5/9/2023 1445 WP 1 --							
22 ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-L-LA 5/9/2023 1445 WP 1 --							
23 ARCH-C7E-INT-4.5 TO 5.5-230509-P-WF 5/9/2023 1455 WP 1 --							
24 ARCH-C7E-INT-4.5 TO 5.5-230509-L-WF 5/9/2023 1455 WP 1 --							
25 230509-P-MEDBLANK1 5/9/2023 1315 WP 1 --							
26 230509-L-MEDBLANK1 5/9/2023 1315 WP 1 --							
27				2 x P-wet Type 2 = 0.0200 ft2			
28							
29							
30							

Signature		Print Name		Company / Title		Date / Time	
¹ Relinquished By: 		Michaela Kim		Rincon/Env Scientist		5/10/23 @ 12:35	
¹ Received By: 		Michaela Kim		" "		5/10/23 @ 12:35	
² Relinquished By: 		Michaela Kim		" "		5/10/23 13:50	
² Received By: 		Michaela Kim		" "		5/10/23 13:50	
³ Relinquished By: 		Michaela Kim		" "		5/10/23 13:50	
³ Received By: 		Michaela Kim		" "		5/10/23 13:50	

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

SAMPLE RECEIPT CHECKLIST			
Section 1: Login # <u>484891</u>		Client: <u>Rincon</u>	
Date Received: <u>5/10/23</u>		Project: _____	
			
Section 2: Shipping info (if applicable)			
Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package			
☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None			
Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A			
Samples received in a cooler? ☒ Yes, how many? <u>1</u> ☐ No (skip Section 3 below)			
If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C			
☐ Samples received on ice directly from the field. Cooling process had begun			
If in cooler: Date Opened <u>5/10/23</u> By (print) <u>MM</u> (sign) <u>[Signature]</u>			
Section 3: Important: Notify PM if temperature exceeds 6°C or arrive frozen.			
Packing in cooler: (if other, describe) _____			
☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels			
☐ Samples received on ice directly from the field. Cooling process had begun			
Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No			
Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C			
Cooler Temp (°C): #1: <u>3.8</u> , #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____			
Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	☒	☐	☐
Were Method 5035 sampling containers present?	☐	☒	☐
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?	☒	☐	☐
Are there any missing / extra samples?	☐	☒	☐
Are samples in the appropriate containers for indicated tests?	☒	☐	☐
Are sample labels present, in good condition and complete?	☒	☐	☐
Does the container count match the COC?	☒	☐	☐
Do the sample labels agree with custody papers?	☒	☐	☐
Was sufficient amount of sample sent for tests requested?	☒	☐	☐
Did you change the hold time in LIMS for unpreserved VOAs?	☐	☐	☒
Did you change the hold time in LIMS for preserved terracores?	☐	☐	☒
Are bubbles > 6mm present in VOA samples?	☐	☐	☒
Was the client contacted concerning this sample delivery?	☐	☒	☐
If YES, who was called?	By _____	Date: _____	
Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)	☐	☐	☐
Did you check preservatives for all bottles for each sample?	☐	☐	☐
Did you document your preservative check?	☐	☐	☐
pH strip lot# _____, pH strip lot# _____, pH strip lot# _____			
Preservative added:			
☐ H2SO4 lot# _____	added to samples _____	on/at _____	
☐ HCL lot# _____	added to samples _____	on/at _____	
☐ HNO3 lot# _____	added to samples _____	on/at _____	
☐ NaOH lot# _____	added to samples _____	on/at _____	
Section 6:			
Explanations/Comments: _____			
Date Logged in <u>5/10/23</u>		By (print) <u>MM</u> (sign) <u>[Signature]</u>	
Date Labeled <u>5/10/23</u>		By (print) <u>MM</u> (sign) <u>[Signature]</u>	

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



SAMPLE ACCEPTANCE CHECKLIST

484891

Section 1			
Client: Rincon Consultants	Project: Hangar 1 NTCRA		
Date Received: 05/11/23	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>4.6</u> #2: _____ #3: _____ #4: _____			
<i>(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)</i>			
Shipping Information: Southwest Airlines			
Section 3			
Was the cooler packed with: ☒ Ice ☒ Ice Packs ☐ Bubble Wrap ☐ Styrofoam			
☐ Paper ☐ None ☐ Other _____			
Cooler Temp (°C): #1: <u>2.8</u> #2: _____ #3: _____ #4: _____			
Section 4			
Was a COC received?		YES	NO
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 ☐ Email		PM Initials: _____ Date/Time: _____	
Project Manager's response:		(email sent to/on): _____ / _____	

Completed By: _____

Date: **MAY 11 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

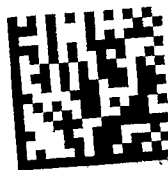
SOUTHWEST AIRLINES

Printed on:
10 MAY 18:42

526 OAK 8807 1432



SNA		PC# 3 OF
		DG 3 G
		LOT WT 130 LB (59.0 KG)
OAK	WN 121211	MAY 06:40
STN	FLT	DATE ETD
		LOT 01



ID: 0003
WT: 43LB

526 880714303

NFG

2.8 / 4.6

Enthalpy Analytical - Orange Analytical Report

Lab #: 484891

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-INT-2.5 TO 3.5-230509-P-WF

Type: SAMPLE

Lab ID: 484891-001

Matrix: Wipe

Diln Fac: 1.000

Batch#: 313817

Sampled: 05/09/23

Received: 05/10/23

Prepared: 05/12/23

Analyzed: 05/12/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

484891-001 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
484891-001 Surrogate		%REC	Limits
TCMX (PCB)		51	19-121
Decachlorobiphenyl (PCB)		48	19-121

Field ID: ARCH-C6E-PS-3.5-230509-P-G

Type: SAMPLE

Lab ID: 484891-003

Matrix: Wipe

Diln Fac: 1.000

Batch#: 313817

Sampled: 05/09/23

Received: 05/10/23

Prepared: 05/12/23

Analyzed: 05/12/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

484891-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484891-003 Surrogate		%REC	Limits
TCMX (PCB)		55	19-121
Decachlorobiphenyl (PCB)		58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484891

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-PS-3.5-230509-P-G

Batch#: 313817

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484891-005

Received: 05/10/23

Analyst: MES

Matrix: Wipe

Prepared: 05/12/23

DiIn Fac: 1.000

Analyzed: 05/12/23

484891-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484891-005 Surrogate		%REC	Limits
TCMX (PCB)		53	19-121
Decachlorobiphenyl (PCB)		50	19-121

Field ID: ARCH-C7E-DG-3.5 TO 4-UP-C7.2-VS-230509-P-LA

Batch#: 313817

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484891-007

Received: 05/10/23

Analyst: MES

Matrix: Wipe

Prepared: 05/12/23

DiIn Fac: 1.000

Analyzed: 05/12/23

484891-007 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
484891-007 Surrogate		%REC	Limits
TCMX (PCB)		61	19-121
Decachlorobiphenyl (PCB)		56	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484891	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6E-DG-4 TO 4.5-230509-P-FB	Batch#: 313817	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/09/23	Analysis: EPA 8082
Lab ID: 484891-009	Received: 05/10/23	Analyst: MES
Matrix: Wipe	Prepared: 05/12/23	
Diln Fac: 1.000	Analyzed: 05/12/23	

484891-009 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
484891-009 Surrogate		%REC	Limits
TCMX (PCB)		47	19-121
Decachlorobiphenyl (PCB)		46	19-121

Field ID: ARCH-C6E-DG-4 TO 4.5-UP-C6.3-DG-230509-P-LA	Batch#: 313817	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/09/23	Analysis: EPA 8082
Lab ID: 484891-011	Received: 05/10/23	Analyst: MES
Matrix: Wipe	Prepared: 05/12/23	
Diln Fac: 1.000	Analyzed: 05/12/23	

484891-011 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
484891-011 Surrogate		%REC	Limits
TCMX (PCB)		47	19-121
Decachlorobiphenyl (PCB)		43	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484891	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C7E-DG-4 TO 4.5-230509-P-FB	Batch#: 313817	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/09/23	Analysis: EPA 8082
Lab ID: 484891-013	Received: 05/10/23	Analyst: MES
Matrix: Wipe	Prepared: 05/12/23	
Diln Fac: 1.000	Analyzed: 05/12/23	

484891-013 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
484891-013 Surrogate		%REC	Limits
TCMX (PCB)		52	19-121
Decachlorobiphenyl (PCB)		56	19-121

Field ID: ARCH-C6E-PS-4.5-230509-P-G	Batch#: 313817	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/09/23	Analysis: EPA 8082
Lab ID: 484891-015	Received: 05/10/23	Analyst: MES
Matrix: Wipe	Prepared: 05/12/23	
Diln Fac: 1.000	Analyzed: 05/12/23	

484891-015 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484891-015 Surrogate		%REC	Limits
TCMX (PCB)		65	19-121
Decachlorobiphenyl (PCB)		72	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484891

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-PS-4.5-230509-P-G

Batch#: 313817

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484891-017

Received: 05/10/23

Analyst: MES

Matrix: Wipe

Prepared: 05/12/23

DiIn Fac: 1.000

Analyzed: 05/12/23

484891-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484891-017 Surrogate		%REC	Limits
TCMX (PCB)		64	19-121
Decachlorobiphenyl (PCB)		62	19-121

Field ID: ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-P-LA

Batch#: 313817

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484891-019

Received: 05/10/23

Analyst: MES

Matrix: Wipe

Prepared: 05/12/23

DiIn Fac: 1.000

Analyzed: 05/12/23

484891-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484891-019 Surrogate		%REC	Limits
TCMX (PCB)		74	19-121
Decachlorobiphenyl (PCB)		71	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484891

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-P-LA

Batch#: 313817

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484891-021

Received: 05/10/23

Analyst: MES

Matrix: Wipe

Prepared: 05/12/23

Diln Fac: 1.000

Analyzed: 05/12/23

484891-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484891-021 Surrogate		%REC	Limits
TCMX (PCB)		81	19-121
Decachlorobiphenyl (PCB)		76	19-121

Field ID: ARCH-C7E-INT-4.5 TO 5.5-230509-P-WF

Batch#: 313817

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484891-023

Received: 05/10/23

Analyst: MES

Matrix: Wipe

Prepared: 05/12/23

Diln Fac: 1.000

Analyzed: 05/12/23

484891-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484891-023 Surrogate		%REC	Limits
TCMX (PCB)		62	19-121
Decachlorobiphenyl (PCB)		74	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484891

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: 230509-P-MEDBLANK1

Batch#: 313817

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484891-025

Received: 05/10/23

Analyst: MES

Matrix: Wipe

Prepared: 05/12/23

Diln Fac: 1.000

Analyzed: 05/12/23

484891-025 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484891-025 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		66	19-121

Type: BLANK

Batch#: 313817

Analysis: EPA 8082

Lab ID: QC1065345

Prepared: 05/12/23

Analyst: MES

Matrix: Wipe

Analyzed: 05/12/23

Diln Fac: 1.000

Prep: EPA 3546

QC1065345 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
QC1065345 Surrogate		%REC	Limits
TCMX (PCB)		75	19-121
Decachlorobiphenyl (PCB)		77	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 484891

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 313817

Analysis: EPA 8082

Lab ID: QC1065346

Prepared: 05/12/23

Analyst: MES

Matrix: Wipe

Analyzed: 05/12/23

Diln Fac: 1.000

Prep: EPA 3546

QC1065346 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.413	68	60-140	ug/100 cm2
Aroclor-1260	5.000	3.166	63	60-140	ug/100 cm2
QC1065346 Surrogate				%REC	Limits
TCMX (PCB)				63	19-121
Decachlorobiphenyl (PCB)				60	19-121

Type: BSD

Batch#: 313817

Analysis: EPA 8082

Lab ID: QC1065347

Prepared: 05/12/23

Analyst: MES

Matrix: Wipe

Analyzed: 05/12/23

Diln Fac: 1.000

Prep: EPA 3546

QC1065347 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.695	74	60-140	ug/100 cm2	8	20
Aroclor-1260	5.000	3.539	71	60-140	ug/100 cm2	11	20
QC1065347 Surrogate				%REC	Limits		
TCMX (PCB)				67	19-121		
Decachlorobiphenyl (PCB)				67	19-121		

Legend

RPD: Relative Percent Difference

Lead

Lab #: 484891		Project#: 20-10491		
Client: Rincon Consultants		Location: Hangar 1 NTCRA		
Field ID: ARCH-C7E-INT-2.5 TO 3.5-230509-L-WF		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484891-002		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484891-002 Analyte		Result	RL	Units
Lead		61	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C6E-PS-3.5-230509-L-G		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484891-004		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484891-004 Analyte		Result	RL	Units
Lead		8.1	0.23	ug/ft2
				Qual
				b
Field ID: ARCH-C7E-PS-3.5-230509-L-G		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484891-006		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484891-006 Analyte		Result	RL	Units
Lead		9.3	0.24	ug/ft2
				Qual
				b
Field ID: ARCH-C7E-DG-3.5 TO 4-UP-C7.2-VS-230509-L-LA		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484891-008		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484891-008 Analyte		Result	RL	Units
Lead		7.7	0.24	ug/ft2
				Qual
				b
Field ID: ARCH-C6E-DG-4 TO 4.5-230509-L-FB		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484891-010		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484891-010 Analyte		Result	RL	Units
Lead		3.6	0.25	ug/ft2
				Qual
				b

Lead

Lab #: 484891		Project#: 20-10491		
Client: Rincon Consultants		Location: Hangar 1 NTCRA		
Field ID: ARCH-C6E-DG-4 TO 4.5-UP-C6.3-DG-230509-L-LA		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484891-012		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484891-012 Analyte		Result	RL	Units
Lead		66	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C7E-DG-4 TO 4.5-230509-L-FB		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484891-014		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484891-014 Analyte		Result	RL	Units
Lead		3.3	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C6E-PS-4.5-230509-L-G		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484891-016		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484891-016 Analyte		Result	RL	Units
Lead		8.0	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C7E-PS-4.5-230509-L-G		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484891-018		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484891-018 Analyte		Result	RL	Units
Lead		5.8	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-L-LA		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484891-020		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484891-020 Analyte		Result	RL	Units
Lead		16	0.25	ug/ft2
				Qual
				b

Lead

Lab #: 484891

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-L-LA

Type: SAMPLE

Lab ID: 484891-022

Matrix: Wipe

Diln Fac: 1.000

Batch#: 313731

Sampled: 05/09/23

Received: 05/10/23

Prepared: 05/11/23

Analyzed: 05/11/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

484891-022 Analyte	Result	RL	Units	Qual
Lead	13	0.25	ug/ft2	b

Field ID: ARCH-C7E-INT-4.5 TO 5.5-230509-L-WF

Type: SAMPLE

Lab ID: 484891-024

Matrix: Wipe

Diln Fac: 1.000

Batch#: 313731

Sampled: 05/09/23

Received: 05/10/23

Prepared: 05/11/23

Analyzed: 05/11/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

484891-024 Analyte	Result	RL	Units	Qual
Lead	13	0.25	ug/ft2	b

Field ID: 230509-L-MEDBLANK1

Type: SAMPLE

Lab ID: 484891-026

Matrix: Wipe

Diln Fac: 1.000

Batch#: 313731

Sampled: 05/09/23

Received: 05/10/23

Prepared: 05/11/23

Analyzed: 05/11/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

484891-026 Analyte	Result	RL	Units	Qual
Lead	0.69	0.25	ug/ft2	b

Type: BLANK

Lab ID: QC1065066

Matrix: Wipe

Diln Fac: 1.000

Batch#: 313731

Prepared: 05/11/23

Analyzed: 05/11/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

QC1065066 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

Lead: Batch QC

Lab #: 484891

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 313731

Analysis: EPA 6010B

Lab ID: QC1065070

Prepared: 05/11/23

Analyst: SBW

Matrix: Wipe

Analyzed: 05/11/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1065070 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	50.00	52.94	106	80-120	ug/ft2	b

Type: BSD

Batch#: 313731

Analysis: EPA 6010B

Lab ID: QC1065071

Prepared: 05/11/23

Analyst: SBW

Matrix: Wipe

Analyzed: 05/11/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1065071 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	50.00	52.29	105	80-120	ug/ft2	1	20	b

Legend

RPD: Relative Percent Difference

b: See narrative



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

enthalpy.com

Lab Job Number: 485697
Report Level: II
Report Date: 06/02/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

Miguel Gamboa, Project Coordinator
miguel.gamboa@enthalpy.com

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

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

Sample Summary

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

Lab Job #: 485697
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 05/24/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C6E-INT-4.5 TO 5.5-230524-P-WF	485697-001	05/24/23 07:47	Wipe
ARCH-C6E-INT-4.5 TO 5.5-230524-L-WF	485697-002	05/24/23 07:47	Wipe
ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P-LA	485697-003	05/24/23 08:26	Wipe
ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P-DUP-LA	485697-004	05/24/23 08:26	Wipe
ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-L-LA	485697-005	05/24/23 08:26	Wipe
ARCH-C7E-DG-5 TO 5.5-UP-C7.1-HS-230524-P-LA	485697-006	05/24/23 08:06	Wipe
ARCH-C7E-DG-5 TO 5.5-UP-C7.1-HS-230524-L-LA	485697-007	05/24/23 08:06	Wipe
ARCH-C6E-PS-5.5-230524-P-G	485697-008	05/24/23 08:38	Wipe
ARCH-C6E-PS-5.5-230524-L-G	485697-009	05/24/23 08:38	Wipe
ARCH-C7E-PS-5.5-230524-P-G	485697-010	05/24/23 08:52	Wipe
ARCH-C7E-PS-5.5-230524-L-G	485697-011	05/24/23 08:52	Wipe
ARCH-C7E-DG-5 TO 5.5-DN-C7.6-DG-230524-P-LA	485697-012	05/24/23 09:10	Wipe
ARCH-C7E-DG-5 TO 5.5-DN-C7.6-DG-230524-L-LA	485697-013	05/24/23 09:10	Wipe
ARCH-C6E-DG-5.5 TO 6-230524-P-FB	485697-014	05/24/23 09:26	Wipe
ARCH-C6E-DG-5.5 TO 6-230524-L-FB	485697-015	05/24/23 09:26	Wipe
ARCH-C6E-DG-5.5 TO 6-230524-L-DUP-FB	485697-016	05/24/23 09:26	Wipe

Sample Summary

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

Lab Job #: 485697
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/24/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C6E-DG-5.5 TO 6-UP-C6.4-HS-230524-P-LA	485697-017	05/24/23 09:42	Wipe
ARCH-C6E-DG-5.5 TO 6-UP-C6.4-HS-230524-L-LA	485697-018	05/24/23 09:42	Wipe
ARCH-C7E-DG-5.5 TO 6-DN-C7.1-VS-230524-P-LA	485697-019	05/24/23 09:57	Wipe
ARCH-C7E-DG-5.5 TO 6-DN-C7.1-VS-230524-L-LA	485697-020	05/24/23 09:57	Wipe
ARCH-C6E-DG-6 TO 6.5-UP-C6.3-VS-230524-P-LA	485697-021	05/24/23 10:15	Wipe
ARCH-C6E-DG-6 TO 6.5-UP-C6.3-VS-230524-L-LA	485697-022	05/24/23 10:15	Wipe
ARCH-C7E-DG-6 TO 6.5-230524-P-FB	485697-023	05/24/23 10:25	Wipe
ARCH-C7E-DG-6 TO 6.5-230524-L-FB	485697-024	05/24/23 10:25	Wipe
ARCH-C7E-DG-6 TO 6.5-230524-L-DUP-FB	485697-025	05/24/23 10:25	Wipe
ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-P-LA	485697-026	05/24/23 10:40	Wipe
ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-P-DUP-LA	485697-027	05/24/23 10:40	Wipe
ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-L-LA	485697-028	05/24/23 10:40	Wipe
ARCH-C6E-DG-6 TO 6.5-DN-C6.1-DG-230524-P-LA	485697-029	05/24/23 10:58	Wipe
ARCH-C6E-DG-6 TO 6.5-DN-C6.1-DG-230524-L-LA	485697-030	05/24/23 10:58	Wipe

Sample Summary

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

Lab Job #: 485697
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/24/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-P-LA	485697-031	05/24/23 08:00	Wipe
ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-L-LA	485697-032	05/24/23 08:00	Wipe
ARCH-C6E-PS-6.5-230524-P-G	485697-033	05/24/23 08:10	Wipe
ARCH-C6E-PS-6.5-230524-L-G	485697-034	05/24/23 08:10	Wipe
ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-P-LA	485697-035	05/24/23 08:25	Wipe
ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-L-LA	485697-036	05/24/23 08:25	Wipe
ARCH-C7E-PS-6.5-230524-P-G	485697-037	05/24/23 08:40	Wipe
ARCH-C7E-PS-6.5-230524-L-G	485697-038	05/24/23 08:40	Wipe
ARCH-C6E-EXT-7 TO 8-230524-P-WF	485697-039	05/24/23 09:05	Wipe
ARCH-C6E-EXT-7 TO 8-230524-L-WF	485697-040	05/24/23 09:05	Wipe
ARCH-C6E-EXT-7 TO 8-230524-L-DUP-WF	485697-041	05/24/23 09:05	Wipe
ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-P-LA	485697-042	05/24/23 08:50	Wipe
ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-L-LA	485697-043	05/24/23 08:50	Wipe
ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-P-LA	485697-044	05/24/23 09:40	Wipe
ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-P-DUP-LA	485697-045	05/24/23 09:40	Wipe
ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-L-LA	485697-046	05/24/23 09:40	Wipe

Sample Summary

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

Lab Job #: 485697
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/24/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C7E-DG-7.5 TO 8-230524-P-FB	485697-047	05/24/23 10:10	Wipe
ARCH-C7E-DG-7.5 TO 8-230524-L-FB	485697-048	05/24/23 10:10	Wipe
ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230524-P-LA	485697-049	05/24/23 09:50	Wipe
ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230524-L-LA	485697-050	05/24/23 09:50	Wipe
ARCH-C6E-DG-7.5 TO 8-DN-C6.7-DG-230524-P-LA	485697-051	05/24/23 10:20	Wipe
ARCH-C6E-DG-7.5 TO 8-DN-C6.7-DG-230524-L-LA	485697-052	05/24/23 10:20	Wipe
ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-P-LA	485697-053	05/24/23 10:35	Wipe
ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-L-LA	485697-054	05/24/23 10:35	Wipe
ARCH-C7E-DG-7 TO 8-DN-C7.5-VS-230524-P-LA	485697-055	05/24/23 10:45	Wipe
ARCH-C7E-DG-7 TO 8-DN-C7.5-VS-230524-L-LA	485697-056	05/24/23 10:45	Wipe
ARCH-C7E-EXT-8 TO 9-230524-P-WF	485697-057	05/24/23 11:00	Wipe
ARCH-C7E-EXT-8 TO 9-230524-L-WF	485697-058	05/24/23 11:00	Wipe
230524-P-MEDBLANK2	485697-059	05/24/23 08:15	Wipe
230524-L-MEDBLANK2	485697-060	05/24/23 08:15	Wipe
230524-P-MEDBLANK3	485697-061	05/24/23 07:50	Wipe
230524-L-MEDBLANK3	485697-062	05/24/23 07:50	Wipe

Case Narrative

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

Lab Job Number: 485697
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 05/24/23

This data package contains sample and QC results for sixty two wipe samples, requested for the above referenced project on 05/25/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

485697

Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
COC ID:		Standard:	3 Day:
Page:	1 of 5	X (PCBs)	1 Day:
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		X (Pb) X (Pb) X (Pb)	Custom TAT: Sample Receipt Temp: (lab use only)
PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: Address: 158 Cody Road, Mountain View, CA Global ID: Sampled By: T. Smith + D. Welsh		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 data validation	
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		Test Instructions / Comments Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/lit basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 4 Enclosure A/B (Low Occupancy)	
Sample ID 1 ARCH-C6E-INT-4.5 TO 5.5-230524-P- WF 2 ARCH-C6E-INT-4.5 TO 5.5-230524-L- WF 3 ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P- LA 4 ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P- LA 5 ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-L- LA 6 ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P- LA 7 ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-L- LA 8 ARCH-C6E-PS-5.5-230524-P- G 9 ARCH-C6E-PS-5.5-230524-L- G 10 ARCH-C6E-PS-5.5-230524-P- G 11 ARCH-C6E-PS-5.5-230524-L- G 12 ARCH-C6E-DG-5 TO 5.5-DN-C7.6-DG-230524-P- LA 13 ARCH-C6E-DG-5 TO 5.5-DN-C7.6-DG-230524-L- LA 14 ARCH-C6E-DG-5.5 TO 6-230524-P- FB 15 ARCH-C6E-DG-5.5 TO 6-230524-L- FB		PCBs - EPA Method 8082 Lead - EPA Method 3050/6010B HOLD Bx Rivet Type 2 = 0.0800 ftz Bx Rivet Type 2 = 0.0800 ftz	
Signature 1 Relinquished By: [Signature] 2 Received By: [Signature] 3 Relinquished By: [Signature] 4 Received By: [Signature] 5 Relinquished By: [Signature] 6 Received By: [Signature]		Print Name Donald Welsh Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker	
Signature 1 Relinquished By: [Signature] 2 Received By: [Signature] 3 Relinquished By: [Signature] 4 Received By: [Signature] 5 Relinquished By: [Signature] 6 Received By: [Signature]		Company / Title Rincon / Env. Sci. Enthalpy Enthalpy Enthalpy Enthalpy Enthalpy Enthalpy Enthalpy Enthalpy Enthalpy Enthalpy Enthalpy Enthalpy Enthalpy Enthalpy	
Date / Time 5/24/23 15:20 5/24/23 15:20 5/24/23 17:30 5/24/23 17:30 5/24/23 18:46 5/24/23 18:46		Date / Time 5/24/23 15:20 5/24/23 15:20 5/24/23 17:30 5/24/23 17:30 5/24/23 18:46 5/24/23 18:46	

485697

		Enthalpy Analytical - Orange 931 W. Bartley Avenue, Orange, CA 92668 Phone 714-771-6900		Chain of Custody Record COC ID: <u>2</u> of <u>5</u> Page: <u>2</u>		Turn Around Time (rush by advanced notice only) Standard: <u>5 Day</u> <u>1 Day</u> <u>3 Day</u> X (PCBs) X (Pb) 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 Report: Level II data validation (see use only)		Sample Receipt Temp:					
CUSTOMER INFORMATION Company: Bionco Consultants, Inc. Report To: Lindsay Parker Email: lparker@bioncoconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		PROJECT INFORMATION Quote #: BIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cosby Road, Mountain View, CA Address: <u>T. Siroff + O. Welsch</u> Global ID: Sampled By:		Analysis Request PCBs - EPA Method 8082 Lead - EPA Method 3050/6010B HOLD		Test Instructions / Comments Confirmation Wipe Samples - Level II Report/Stage 2A 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 4 Enclosure A/B (Low Occupancy)			
Sample ID 16 ARCH-C6E-DG-5.5 TO 6.5-230324-L-DUP- FB 17 ARCH-C6E-DG-5.5 TO 6.5-UP-C6 4-HS-230324-P- LA 18 ARCH-C6E-DG-5.5 TO 6.5-UP-C6 4-HS-230324-L- LA 19 ARCH-C7E-DG-5.5 TO 6.5-DN-C7 1-VS-230324-P- LA 20 ARCH-C7E-DG-5.5 TO 6.5-DN-C7 1-VS-230324-L- LA 21 ARCH-C6E-DG-6 TO 6.5-UP-C6 3-VS-230324-P- LA 22 ARCH-C6E-DG-6 TO 6.5-UP-C6 3-VS-230324-L- LA 23 ARCH-C7E-DG-6 TO 6.5-230324-P- FB 24 ARCH-C7E-DG-6 TO 6.5-230324-L- FB 25 ARCH-C7E-DG-6 TO 6.5-230324-L-DUP- FB 26 ARCH-C7E-DG-6 TO 6.5-UP-C7 5-VS-230324-P- LA 27 ARCH-C7E-DG-6 TO 6.5-UP-C7 5-VS-230324-P-DUP- LA 28 ARCH-C7E-DG-6 TO 6.5-UP-C7 5-VS-230324-L- LA 29 ARCH-C6E-DG-6 TO 6.5-DN-C6 1-DG-230324-P- LA 30 ARCH-C6E-DG-6 TO 6.5-DN-C6 1-DG-230324-L- LA		Sampling Date 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023 5/24/2023		Matrix WP WP WP WP WP WP WP WP WP WP WP WP WP WP WP WP WP WP WP		Container No. / Size -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --		Pres. -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- --	
Signature Relinquished By: <u>[Signature]</u> Received By: <u>[Signature]</u> Relinquished By: <u>[Signature]</u> Received By: <u>[Signature]</u> Relinquished By: <u>[Signature]</u> Received By: <u>[Signature]</u>		Print Name Donald Welsch Andrew Shadon Andrew Shadon Andrew Shadon Andrew Shadon		Company / Title Bionco / Env. Sci. ENTHALPY " " EA EA		Date / Time 5/24/23 / 15:20 5/24/23 / 15:20 5/24/23 / 17:30 5/24/23 / 17:32 5/24/23 / 18:46			

2x Aroclor Type 2 = 0.0200 f + 2

485697

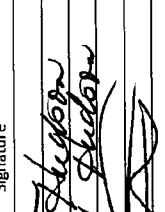
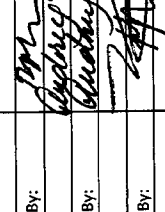
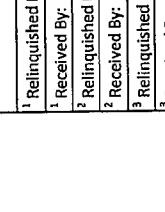
Chain of Custody Record				Turn Around Time (rush by advanced notice only)				
COC ID:				Standard:				
Page: 3 of 5				5 Day: 1 Day: 3 Day: Custom TAT:				
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other				Preservatives: 1 = Na ₂ SO ₃ 2 = HCl 3 = HNO ₃ 4 = H ₂ SO ₄ 5 = NaOH 6 = Other Report: Level II data validation (lab use only)
CUSTOMER INFORMATION				PROJECT INFORMATION				
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721	Analysis Request				
Report To:	Lindsay Parker	Proj. Name:	Hanger I - NCTRA WP	Confirmation Wipe Samples - Level II				
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491	Report/Stage 2A Validation				
Address:	449 15th Street, Suite 303	P.O. #:		Report PCB concentrations on a µg/100cm ² basis				
Phone:	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA	Report lead concentrations on a µg/ft ² basis				
Fax:	(651) 990-9556	Global ID:		Report Aroclor 1268 concentrations in addition to the standard Aroclors				
Sampled By: T. S. ... + D. W. ...				Wipe samples collected from Zone 4 Enclosure A/B (Low Occupancy)				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	
31 ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-P- LA	5/24/2023	0800	WP	1	--	X		
32 ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-L- LA	5/24/2023	0800	WP	1	--	X		
33 ARCH-C6E-PS-6.5-230524-P- G	5/24/2023	0810	WP	1	--	X		
34 ARCH-C6E-PS-6.5-230524-L- G	5/24/2023	0810	WP	1	--	X		
35 ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-P- LA	5/24/2023	0825	WP	1	--	X		
36 ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-L- LA	5/24/2023	0825	WP	1	--	X		
37 ARCH-C7E-PS-6.5-230524-P- G	5/24/2023	0840	WP	1	--	X		
38 ARCH-C7E-PS-6.5-230524-L- G	5/24/2023	0840	WP	1	--	X		
39 ARCH-C6E-EXT-7 TO 8-230524-P- WF	5/24/2023	0905	WP	1	--	X		
40 ARCH-C6E-EXT-7 TO 8-230524-L- WF	5/24/2023	0905	WP	1	--	X		
41 ARCH-C6E-EXT-7 TO 8-230524-L-DUP-WF	5/24/2023	0905	WP	1	--	X		
42 ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-P- LA	5/24/2023	0850	WP	1	--	X		
43 ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-L- LA	5/24/2023	0850	WP	1	--	X		
44 ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-P- LA	5/24/2023	0940	WP	1	--	X		
45 ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-L- LA	5/24/2023	0940	WP	1	--	X		
Signature				Print Name		Company / Title		
Relinquished By: [Signature]				Donald Walsh		Purchasing Manager		
Received By: [Signature]				ANDREW HANSEN		Facility Manager		
Relinquished By: [Signature]				Munirul YS		EA		
Received By: [Signature]				JH		EA		
Relinquished By: [Signature]								
Received By: [Signature]								

2x Ruet Type 2: 0.0200 ft²

485697

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
COC ID:		Standard:		X (PCBs)		3 Day	
Page:		4 of 5		2 Day:		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			
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@incoconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:				PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hanger 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: T. Sanooff + D. Welsh			
ANALYSIS REQUEST PCBs - EPA Method 8082 Lead - EPA Method 3050/6010B Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/lb2 basis				Test Instructions / Comments Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/lb2 basis			
SAMPLES Sample ID Sampling Date Sampling Time Matrix Container No. / Site Pres.				DATE / TIME Date / Time			
46	ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-L- LA	5/24/2023	0940	WP	1	--	5/24/23 15:20
47	ARCH-C7E-DG-7.5 TO 8-DN-C7.1-VS-230524-P- FB	5/24/2023	1010	WP	1	--	5/24/23 15:20
48	ARCH-C7E-DG-7.5 TO 8-DN-C7.1-VS-230524-L- FB	5/24/2023	1010	WP	1	--	5/24/23 17:30
49	ARCH-C7E-DG-7.5 TO 8-DN-C7.1-VS-230524-L- LA	5/24/2023	0950	WP	1	--	5/24/23 17:30
50	ARCH-C7E-DG-7.5 TO 8-DN-C7.1-VS-230524-L- LA	5/24/2023	0950	WP	1	--	5/24/23 17:30
51	ARCH-C7E-DG-7.5 TO 8-DN-C7.1-VS-230524-L- LA	5/24/2023	1020	WP	1	--	5/24/23 17:30
52	ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-L- LA	5/24/2023	1020	WP	1	--	5/24/23 17:30
53	ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-L- LA	5/24/2023	1035	WP	1	--	5/24/23 17:30
54	ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-L- LA	5/24/2023	1035	WP	1	--	5/24/23 17:30
55	ARCH-C7E-DG-7.5 TO 8-DN-C7.1-VS-230524-L- LA	5/24/2023	1045	WP	1	--	5/24/23 17:30
56	ARCH-C7E-DG-7.5 TO 8-DN-C7.1-VS-230524-L- LA	5/24/2023	1045	WP	1	--	5/24/23 17:30
57	ARCH-C7E-EXT-8 TO 9-230524-P- WF	5/24/2023	1100	WP	1	--	5/24/23 17:30
58	ARCH-C7E-EXT-8 TO 9-230524-L- WF	5/24/2023	1100	WP	1	--	5/24/23 17:30
59	230524-P-MEDBLANK2	5/24/2023	0815	WP	1	--	5/24/23 17:30
60	230524-L-MEDBLANK2	5/24/2023	0815	WP	1	--	5/24/23 17:30
SIGNATURES Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]				COMPANY / TITLE Rincon Consultants, Inc. Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker			

485697

 ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Chain of Custody Record GOC ID: _____ Page: 5 of 5 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		Turn Around Time (rush by advanced notice only) Standard: X (PCBS) 1 Day: X (Pb) 3 Day: _____ Custom TAT: _____	
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsey Parker Email: lparker@rinciconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (510) 890-9556 Fax: _____		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hanger 1 - NCTRA WP Proj. #: 20-10491 P.O. #: _____ Address: 158 Cody Road, Mountain View, CA Global ID: _____ Sampled By: T. Smott + D. Welsh		Analysis Request PCBs - EPA Method 8032 Lead - EPA Method 3050/60106 Confirmation Wine Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/t2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 4 Enclosure A/B (Low Occupancy)	
Test Instructions / Comments Report: Level II data validation (lab use only)					
Sample ID 61 230524-P-MEDBLANK3 62 230524-L-MEDBLANK3 63 64 65 66 67 68 69 70 71 72 73 74 75	Sampling Date 5/24/2023 5/24/2023	Sampling Time 0750 0750	Matrix WP WP	Container No. / Size 1 1	Pres. -- --
Signature Relinquished By:  Received By:  Relinquished By:  Received By:  Relinquished By: _____ Received By: _____		Print Name Daniel Welsh JUDNEY BRIDSON Murrell 416 JTB		Company / Title Rincon Env. Sci. Environmental EA EA	
Date / Time 5/24/23 15:20 5/24/23 15:20 5/24/23 17:30 5/24/23 17:30 5/24/23 18:46					

The below sample checklist was completed after delivery of samples by the laboratory provided courier or by Rincon personnel to Enthalpy Analytical in Berkeley, CA.

SAMPLE RECEIPT CHECKLIST			
Section 1: Login # <u>485697</u>		Client: <u>Rincon</u>	
Date Received: <u>5/24/23</u>		Project: _____	
Section 2: Shipping info (if applicable) _____			
Are custody seals present? ☐ No, or ☒ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package ☒ Date: <u>5/24</u> How many <u>1</u> ☒ Signature, ☐ Initials, ☐ None			
Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A			
Samples received in a cooler? ☒ Yes, how many? <u>1</u> ☐ No (skip Section 3 below)			
If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C			
☒ Samples received on ice directly from the field. Cooling process had begun			
If in cooler: Date Opened <u>5/24/23</u> By (print) <u>mm</u> (sign) _____			
Section 3: Important : Notify PM if temperature exceeds 6°C or arrive frozen.			
Packing in cooler: (if other, describe) _____			
☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels			
☒ Samples received on ice directly from the field. Cooling process had begun			
Type of ice used : ☐ Wet, ☐ Blue/Gel, ☐ None			
Temperature blank(s) included? ☐ Yes, ☐ No			
Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C			
Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____			
Section 4:		YES	NO
Were custody papers dry, filled out properly, and the project identifiable		/	
Were Method 5035 sampling containers present?			/
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?		/	
Are there any missing / extra samples?			/
Are samples in the appropriate containers for indicated tests?		/	
Are sample labels present, in good condition and complete?		/	
Does the container count match the COC?		/	
Do the sample labels agree with custody papers?		/	
Was sufficient amount of sample sent for tests requested?		/	
Did you change the hold time in LIMS for unpreserved VOAs?			/
Did you change the hold time in LIMS for preserved terracores?			/
Are bubbles > 6mm present in VOA samples?			/
Was the client contacted concerning this sample delivery?			/
If YES, who was called? _____ By _____ Date: _____			
Section 5:		YES	NO
Are the samples appropriately preserved? (If N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			
pH strip lot# _____, pH strip lot# _____, pH strip lot# _____			
Preservative added:			
☐ H2SO4 lot# _____		added to samples _____ on/at _____	
☐ HCL lot# _____		added to samples _____ on/at _____	
☐ HNO3 lot# _____		added to samples _____ on/at _____	
☐ NaOH lot# _____		added to samples _____ on/at _____	
Section 6:			
Explanations/Comments: _____			

Date Logged in 5/24/23

Date Labeled 5.24.23

By (print) mm

By (print) JP for LEP

(sign) _____

(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

485697

Section 1
Client: Rincon Consultants Project: Hangar 1 NTCRA
Date Received: 05/25/23 Sampler's Name Present: ☒ Yes ☐ No

Section 2
Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____
Sample Temp (°C), One from each cooler: #1: 3.1 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: Southwest Airlines

Section 3
Was the cooler packed with: ☒ Ice ☒ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 2.0 #2: _____ #3: _____ #4: _____

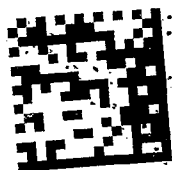
Section 4	YES	NO	N/A
Was a COC received?	☒		
Are sample IDs present?	☒		
Are sampling dates & times present?	☒		
Is a relinquished signature present?	☒		
Are the tests required clearly indicated on the COC?	☒		
Are custody seals present?	☒		
If custody seals are present, were they intact?	☒		
Are all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

Section 5 Explanations/Comments

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

Completed By: [Signature] Date: 5/25/23

temp:
3.1/2.0

SOUTHWEST AIRLINES 526 OAK 8872 2620 Printed on: 24 MAY 19:30			
SNA		PC# 3 OF 12	DG G
		LOT WT 470 LB (213.2 KG)	
OAK	WN 1212	25 MAY	06:40
STN	FLT	DATE	ETD LOT 01
		PC ID: 0003 PC WT: 38 LB 526 8872 2620 0003	
		S	

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-INT-4.5 TO 5.5-230524-P-WF

Type: SAMPLE

Lab ID: 485697-001

Matrix: Wipe

Diln Fac: 1.000

Batch#: 314781

Sampled: 05/24/23

Received: 05/24/23

Prepared: 05/25/23

Analyzed: 05/26/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

485697-001 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
485697-001 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		85	19-121

Field ID: ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P-LA

Type: SAMPLE

Lab ID: 485697-003

Matrix: Wipe

Diln Fac: 1.000

Batch#: 314781

Sampled: 05/24/23

Received: 05/24/23

Prepared: 05/25/23

Analyzed: 05/26/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

485697-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-003 Surrogate		%REC	Limits
TCMX (PCB)		63	19-121
Decachlorobiphenyl (PCB)		74	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P-DUP-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-004

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-004 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
485697-004 Surrogate		%REC	Limits
TCMX (PCB)		52	19-121
Decachlorobiphenyl (PCB)		62	19-121

Field ID: ARCH-C7E-DG-5 TO 5.5-UP-C7.1-HS-230524-P-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-006

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-006 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
485697-006 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		85	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-PS-5.5-230524-P-G

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-008

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-008 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		78	19-121

Field ID: ARCH-C7E-PS-5.5-230524-P-G

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-010

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-010 Surrogate		%REC	Limits
TCMX (PCB)		64	19-121
Decachlorobiphenyl (PCB)		78	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-DG-5 TO 5.5-DN-C7.6-DG-230524-P-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-012

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-012 Surrogate		%REC	Limits
TCMX (PCB)		60	19-121
Decachlorobiphenyl (PCB)		69	19-121

Field ID: ARCH-C6E-DG-5.5 TO 6-230524-P-FB

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-014

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-014 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
485697-014 Surrogate		%REC	Limits
TCMX (PCB)		59	19-121
Decachlorobiphenyl (PCB)		69	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-DG-5.5 TO 6-UP-C6.4-HS-230524-P-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-017

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

DiIn Fac: 1.000

Analyzed: 05/26/23

485697-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-017 Surrogate		%REC	Limits
TCMX (PCB)		77	19-121
Decachlorobiphenyl (PCB)		84	19-121

Field ID: ARCH-C7E-DG-5.5 TO 6-DN-C7.1-VS-230524-P-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-019

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

DiIn Fac: 1.000

Analyzed: 05/26/23

485697-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-019 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		76	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-DG-6 TO 6.5-UP-C6.3-VS-230524-P-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-021

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-021 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		99	19-121

Field ID: ARCH-C7E-DG-6 TO 6.5-230524-P-FB

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-023

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-023 Surrogate		%REC	Limits
TCMX (PCB)		74	19-121
Decachlorobiphenyl (PCB)		86	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-P-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-026

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-026 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-026 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		94	19-121

Field ID: ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-P-DUP-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-027

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-027 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-027 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		84	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-DG-6 TO 6.5-DN-C6.1-DG-230524-P-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-029

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

DiIn Fac: 1.000

Analyzed: 05/26/23

485697-029 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-029 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		81	19-121

Field ID: ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-P-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-031

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

DiIn Fac: 1.000

Analyzed: 05/26/23

485697-031 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-031 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		80	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-PS-6.5-230524-P-G

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-033

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

DiIn Fac: 1.000

Analyzed: 05/26/23

485697-033 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-033 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		88	19-121

Field ID: ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-P-LA

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-035

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

DiIn Fac: 1.000

Analyzed: 05/26/23

485697-035 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-035 Surrogate		%REC	Limits
TCMX (PCB)		68	19-121
Decachlorobiphenyl (PCB)		75	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-PS-6.5-230524-P-G

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-037

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-037 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-037 Surrogate		%REC	Limits
TCMX (PCB)		78	19-121
Decachlorobiphenyl (PCB)		87	19-121

Field ID: ARCH-C6E-EXT-7 TO 8-230524-P-WF

Batch#: 314781

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-039

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/26/23

485697-039 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-039 Surrogate		%REC	Limits
TCMX (PCB)		55	19-121
Decachlorobiphenyl (PCB)		63	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-P-LA

Batch#: 314863

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-042

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/26/23

DiIn Fac: 1.000

Analyzed: 05/30/23

485697-042 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-042 Surrogate		%REC	Limits
TCMX (PCB)		78	19-121
Decachlorobiphenyl (PCB)		74	19-121

Field ID: ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-P-LA

Batch#: 314863

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-044

Received: 05/24/23

Analyst: TRN

Matrix: Wipe

Prepared: 05/26/23

DiIn Fac: 1.000

Analyzed: 05/31/23

485697-044 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-044 Surrogate		%REC	Limits
TCMX (PCB)		65	19-121
Decachlorobiphenyl (PCB)		60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-P-DUP-LA

Batch#: 314863

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-045

Received: 05/24/23

Analyst: TRN

Matrix: Wipe

Prepared: 05/26/23

Diln Fac: 1.000

Analyzed: 05/31/23

485697-045 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-045 Surrogate		%REC	Limits
TCMX (PCB)		57	19-121
Decachlorobiphenyl (PCB)		56	19-121

Field ID: ARCH-C7E-DG-7.5 TO 8-230524-P-FB

Batch#: 314863

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-047

Received: 05/24/23

Analyst: TRN

Matrix: Wipe

Prepared: 05/26/23

Diln Fac: 1.000

Analyzed: 05/31/23

485697-047 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-047 Surrogate		%REC	Limits
TCMX (PCB)		63	19-121
Decachlorobiphenyl (PCB)		60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230524-P-LA

Batch#: 314863

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-049

Received: 05/24/23

Analyst: MES

Matrix: Wipe

Prepared: 05/26/23

DiIn Fac: 1.000

Analyzed: 05/30/23

485697-049 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-049 Surrogate		%REC	Limits
TCMX (PCB)		56	19-121
Decachlorobiphenyl (PCB)		49	19-121

Field ID: ARCH-C6E-DG-7.5 TO 8-DN-C6.7-DG-230524-P-LA

Batch#: 314863

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-051

Received: 05/24/23

Analyst: TRN

Matrix: Wipe

Prepared: 05/26/23

DiIn Fac: 1.000

Analyzed: 05/31/23

485697-051 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-051 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		63	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-P-LA

Batch#: 314863

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-053

Received: 05/24/23

Analyst: TRN

Matrix: Wipe

Prepared: 05/26/23

Diln Fac: 1.000

Analyzed: 05/31/23

485697-053 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-053 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		63	19-121

Field ID: ARCH-C7E-DG-7 TO 8-DN-C7.5-VS-230524-P-LA

Batch#: 314863

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-055

Received: 05/24/23

Analyst: TRN

Matrix: Wipe

Prepared: 05/26/23

Diln Fac: 1.000

Analyzed: 05/31/23

485697-055 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-055 Surrogate		%REC	Limits
TCMX (PCB)		59	19-121
Decachlorobiphenyl (PCB)		54	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C7E-EXT-8 TO 9-230524-P-WF	Batch#: 314863	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/24/23	Analysis: EPA 8082
Lab ID: 485697-057	Received: 05/24/23	Analyst: TRN
Matrix: Wipe	Prepared: 05/26/23	
Diln Fac: 1.000	Analyzed: 05/31/23	

485697-057 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-057 Surrogate		%REC	Limits
TCMX (PCB)		62	19-121
Decachlorobiphenyl (PCB)		57	19-121

Field ID: 230524-P-MEDBLANK2	Batch#: 314863	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/24/23	Analysis: EPA 8082
Lab ID: 485697-059	Received: 05/24/23	Analyst: TRN
Matrix: Wipe	Prepared: 05/26/23	
Diln Fac: 1.000	Analyzed: 05/31/23	

485697-059 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-059 Surrogate		%REC	Limits
TCMX (PCB)		63	19-121
Decachlorobiphenyl (PCB)		58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: 230524-P-MEDBLANK3

Batch#: 314863

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 8082

Lab ID: 485697-061

Received: 05/24/23

Analyst: TRN

Matrix: Wipe

Prepared: 05/26/23

Diln Fac: 1.000

Analyzed: 05/31/23

485697-061 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
485697-061 Surrogate		%REC	Limits
TCMX (PCB)		63	19-121
Decachlorobiphenyl (PCB)		60	19-121

Type: BLANK

Batch#: 314781

Analysis: EPA 8082

Lab ID: QC1068568

Prepared: 05/25/23

Analyst: MES

Matrix: Wipe

Analyzed: 05/26/23

Diln Fac: 1.000

Prep: EPA 3546

QC1068568 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
QC1068568 Surrogate		%REC	Limits
TCMX (PCB)		68	19-121
Decachlorobiphenyl (PCB)		79	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 314863

Analysis: EPA 8082

Lab ID: QC1068864

Prepared: 05/26/23

Analyst: MES

Matrix: Wipe

Analyzed: 05/30/23

Diln Fac: 1.000

Prep: EPA 3546

QC1068864 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
QC1068864 Surrogate		%REC	Limits
TCMX (PCB)		84	19-121
Decachlorobiphenyl (PCB)		81	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 314781

Analysis: EPA 8082

Lab ID: QC1068569

Prepared: 05/25/23

Analyst: MES

Matrix: Wipe

Analyzed: 05/26/23

Diln Fac: 1.000

Prep: EPA 3546

QC1068569 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.365	87	60-140	ug/100 cm2
Aroclor-1260	5.000	4.262	85	60-140	ug/100 cm2
QC1068569 Surrogate				%REC	Limits
TCMX (PCB)				70	19-121
Decachlorobiphenyl (PCB)				80	19-121

Type: BSD

Batch#: 314781

Analysis: EPA 8082

Lab ID: QC1068570

Prepared: 05/25/23

Analyst: MES

Matrix: Wipe

Analyzed: 05/26/23

Diln Fac: 1.000

Prep: EPA 3546

QC1068570 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.080	82	60-140	ug/100 cm2	7	20
Aroclor-1260	5.000	4.087	82	60-140	ug/100 cm2	4	20
QC1068570 Surrogate				%REC	Limits		
TCMX (PCB)				64	19-121		
Decachlorobiphenyl (PCB)				78	19-121		

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 314863

Analysis: EPA 8082

Lab ID: QC1068865

Prepared: 05/26/23

Analyst: MES

Matrix: Wipe

Analyzed: 05/30/23

Diln Fac: 1.000

Prep: EPA 3546

QC1068865 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.126	83	60-140	ug/100 cm2
Aroclor-1260	5.000	4.179	84	60-140	ug/100 cm2
QC1068865 Surrogate			%REC	Limits	
TCMX (PCB)			72	19-121	
Decachlorobiphenyl (PCB)			71	19-121	

Type: BSD

Batch#: 314863

Analysis: EPA 8082

Lab ID: QC1068866

Prepared: 05/26/23

Analyst: MES

Matrix: Wipe

Analyzed: 05/30/23

Diln Fac: 1.000

Prep: EPA 3546

QC1068866 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.525	91	60-140	ug/100 cm2	9	20
Aroclor-1260	5.000	4.442	89	60-140	ug/100 cm2	6	20
QC1068866 Surrogate			%REC	Limits			
TCMX (PCB)			80	19-121			
Decachlorobiphenyl (PCB)			78	19-121			

Legend

RPD: Relative Percent Difference

Lead

Lab #: 485697		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C6E-INT-4.5 TO 5.5-230524-L-WF		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-002		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-002 Analyte		Result	RL Units
Lead		22	0.25 ug/ft2
Field ID: ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-L-LA		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-005		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-005 Analyte		Result	RL Units
Lead		29	0.25 ug/ft2
Field ID: ARCH-C7E-DG-5 TO 5.5-UP-C7.1-HS-230524-L-LA		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-007		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-007 Analyte		Result	RL Units
Lead		30	0.25 ug/ft2
Field ID: ARCH-C6E-PS-5.5-230524-L-G		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-009		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-009 Analyte		Result	RL Units
Lead		50	0.23 ug/ft2
Field ID: ARCH-C7E-PS-5.5-230524-L-G		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-011		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-011 Analyte		Result	RL Units
Lead		32	0.23 ug/ft2

Lead

Lab #: 485697		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C7E-DG-5 TO 5.5-DN-C7.6-DG-230524-L-LA	Batch#: 314778	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/24/23	Analysis: EPA 6010B	
Lab ID: 485697-013	Received: 05/24/23	Analyst: THP	
Matrix: Wipe	Prepared: 05/25/23		
Diln Fac: 1.000	Analyzed: 05/25/23		
485697-013 Analyte		Result	RL Units
Lead		62	0.25 ug/ft2
Field ID: ARCH-C6E-DG-5.5 TO 6-230524-L-FB		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-015		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-015 Analyte		Result	RL Units
Lead		15	0.25 ug/ft2
Field ID: ARCH-C6E-DG-5.5 TO 6-230524-L-DUP-FB		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-016		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-016 Analyte		Result	RL Units
Lead		17	0.25 ug/ft2
Field ID: ARCH-C6E-DG-5.5 TO 6-UP-C6.4-HS-230524-L-LA		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-018		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-018 Analyte		Result	RL Units
Lead		21	0.25 ug/ft2
Field ID: ARCH-C7E-DG-5.5 TO 6-DN-C7.1-VS-230524-L-LA		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-020		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-020 Analyte		Result	RL Units
Lead		34	0.25 ug/ft2

Lead

Lab #: 485697		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C6E-DG-6 TO 6.5-UP-C6.3-VS-230524-L-LA	Batch#: 314778	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/24/23	Analysis: EPA 6010B	
Lab ID: 485697-022	Received: 05/24/23	Analyst: THP	
Matrix: Wipe	Prepared: 05/25/23		
Diln Fac: 1.000	Analyzed: 05/25/23		
485697-022 Analyte		Result	RL Units
Lead		46	0.25 ug/ft2
Field ID: ARCH-C7E-DG-6 TO 6.5-230524-L-FB		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-024		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-024 Analyte		Result	RL Units
Lead		18	0.25 ug/ft2
Field ID: ARCH-C7E-DG-6 TO 6.5-230524-L-DUP-FB		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-025		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-025 Analyte		Result	RL Units
Lead		16	0.25 ug/ft2
Field ID: ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-L-LA		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-028		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-028 Analyte		Result	RL Units
Lead		44	0.25 ug/ft2
Field ID: ARCH-C6E-DG-6 TO 6.5-DN-C6.1-DG-230524-L-LA		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-030		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-030 Analyte		Result	RL Units
Lead		31	0.25 ug/ft2

Lead

Lab #: 485697		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-L-LA		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-032		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-032 Analyte		Result	RL Units
Lead		160	0.25 ug/ft2
Field ID: ARCH-C6E-PS-6.5-230524-L-G		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-034		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-034 Analyte		Result	RL Units
Lead		25	0.25 ug/ft2
Field ID: ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-L-LA		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-036		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-036 Analyte		Result	RL Units
Lead		220	0.25 ug/ft2
Field ID: ARCH-C7E-PS-6.5-230524-L-G		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-038		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-038 Analyte		Result	RL Units
Lead		58	0.25 ug/ft2
Field ID: ARCH-C6E-EXT-7 TO 8-230524-L-WF		Batch#: 314778	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-040		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-040 Analyte		Result	RL Units
Lead		250	0.25 ug/ft2

Lead

Lab #: 485697		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C6E-EXT-7 TO 8-230524-L-DUP-WF		Batch#: 314800	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-041		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-041 Analyte		Result	RL Units
Lead		370	0.25 ug/ft2
Field ID: ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-L-LA		Batch#: 314800	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-043		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-043 Analyte		Result	RL Units
Lead		170	0.25 ug/ft2
Field ID: ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-L-LA		Batch#: 314800	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-046		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-046 Analyte		Result	RL Units
Lead		180	0.25 ug/ft2
Field ID: ARCH-C7E-DG-7.5 TO 8-230524-L-FB		Batch#: 314800	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-048		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-048 Analyte		Result	RL Units
Lead		220	0.25 ug/ft2
Field ID: ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230524-L-LA		Batch#: 314800	Prep: EPA 3050B
Type: SAMPLE		Sampled: 05/24/23	Analysis: EPA 6010B
Lab ID: 485697-050		Received: 05/24/23	Analyst: THP
Matrix: Wipe		Prepared: 05/25/23	
Diln Fac: 1.000		Analyzed: 05/25/23	
485697-050 Analyte		Result	RL Units
Lead		73	0.25 ug/ft2

Lead

Lab #: 485697		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C6E-DG-7.5 TO 8-DN-C6.7-DG-230524-L-LA	Batch#: 314800	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/24/23	Analysis: EPA 6010B	
Lab ID: 485697-052	Received: 05/24/23	Analyst: THP	
Matrix: Wipe	Prepared: 05/25/23		
Diln Fac: 1.000	Analyzed: 05/25/23		
485697-052 Analyte		Result	RL Units
Lead		92	0.25 ug/ft2
Field ID: ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-L-LA	Batch#: 314800	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/24/23	Analysis: EPA 6010B	
Lab ID: 485697-054	Received: 05/24/23	Analyst: THP	
Matrix: Wipe	Prepared: 05/25/23		
Diln Fac: 1.000	Analyzed: 05/25/23		
485697-054 Analyte		Result	RL Units
Lead		170	0.25 ug/ft2
Field ID: ARCH-C7E-DG-7 TO 8-DN-C7.5-VS-230524-L-LA	Batch#: 314800	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/24/23	Analysis: EPA 6010B	
Lab ID: 485697-056	Received: 05/24/23	Analyst: THP	
Matrix: Wipe	Prepared: 05/25/23		
Diln Fac: 1.000	Analyzed: 05/25/23		
485697-056 Analyte		Result	RL Units
Lead		130	0.25 ug/ft2
Field ID: ARCH-C7E-EXT-8 TO 9-230524-L-WF	Batch#: 314800	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/24/23	Analysis: EPA 6010B	
Lab ID: 485697-058	Received: 05/24/23	Analyst: THP	
Matrix: Wipe	Prepared: 05/25/23		
Diln Fac: 1.000	Analyzed: 05/25/23		
485697-058 Analyte		Result	RL Units
Lead		290	0.25 ug/ft2
Field ID: 230524-L-MEDBLANK2	Batch#: 314800	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 05/24/23	Analysis: EPA 6010B	
Lab ID: 485697-060	Received: 05/24/23	Analyst: THP	
Matrix: Wipe	Prepared: 05/25/23		
Diln Fac: 1.000	Analyzed: 05/25/23		
485697-060 Analyte		Result	RL Units
Lead		0.63	0.25 ug/ft2

Lead

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: 230524-L-MEDBLANK3

Batch#: 314800

Prep: EPA 3050B

Type: SAMPLE

Sampled: 05/24/23

Analysis: EPA 6010B

Lab ID: 485697-062

Received: 05/24/23

Analyst: THP

Matrix: Wipe

Prepared: 05/25/23

Diln Fac: 1.000

Analyzed: 05/25/23

485697-062 Analyte	Result	RL	Units
Lead	0.88	0.25	ug/ft2

Type: BLANK

Batch#: 314778

Analysis: EPA 6010B

Lab ID: QC1068558

Prepared: 05/25/23

Analyst: THP

Matrix: Wipe

Analyzed: 05/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1068558 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Type: BLANK

Batch#: 314800

Analysis: EPA 6010B

Lab ID: QC1068643

Prepared: 05/25/23

Analyst: THP

Matrix: Wipe

Analyzed: 05/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1068643 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 485697

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 314778

Analysis: EPA 6010B

Lab ID: QC1068559

Prepared: 05/25/23

Analyst: THP

Matrix: Wipe

Analyzed: 05/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1068559 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	56.04	112	80-120	ug/ft2

Type: BS

Batch#: 314800

Analysis: EPA 6010B

Lab ID: QC1068644

Prepared: 05/25/23

Analyst: THP

Matrix: Wipe

Analyzed: 05/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1068644 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	54.78	110	80-120	ug/ft2

Type: BSD

Batch#: 314778

Analysis: EPA 6010B

Lab ID: QC1068560

Prepared: 05/25/23

Analyst: THP

Matrix: Wipe

Analyzed: 05/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1068560 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.09	108	80-120	ug/ft2	4	20

Type: BSD

Batch#: 314800

Analysis: EPA 6010B

Lab ID: QC1068645

Prepared: 05/25/23

Analyst: THP

Matrix: Wipe

Analyzed: 05/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1068645 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	56.79	114	80-120	ug/ft2	4	20

Legend

RPD: Relative Percent Difference



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

enthalpy.com

Lab Job Number: 484907
Report Level: IV
Report Date: 05/19/2023

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 #: 484907
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/10/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C6E-EXT-1 TO 2-230509-P-WF	484907-001	05/09/23 12:45	Wipe
ARCH-C7E-EXT-1 TO 2-230509-P-WF	484907-003	05/09/23 12:30	Wipe
ARCH-C6E-DG-1 TO 1.5-230509-P-FB	484907-005	05/09/23 12:55	Wipe
ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-LA	484907-008	05/09/23 13:10	Wipe
ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-DUP-LA	484907-009	05/09/23 13:10	Wipe
ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-LA	484907-011	05/09/23 13:40	Wipe
ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-DUP-LA	484907-012	05/09/23 13:40	Wipe
ARCH-C7E-DG-2 TO 2.5-230509-P-FB	484907-014	05/09/23 13:25	Wipe
ARCH-C6E-PS-2.5-230509-P-G	484907-017	05/09/23 14:30	Wipe
ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-P-LA	484907-019	05/09/23 14:10	Wipe
ARCH-C7E-PS-2.5-230509-P-G	484907-021	05/09/23 14:00	Wipe
ARCH-C6E-DG-3 TO 3.5-230509-P-FB	484907-023	05/09/23 15:00	Wipe

Case Narrative

PCBS (EPA 8082)

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

Lab Job Number: 484907
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 05/10/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 05/11/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

484907

ENTHALPY ANALYTICAL		Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange		COC ID:		Page:		Standard:		3 Day:	
931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		2 of 2		2		X (PCBs)		5 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		1 Day:		X (PB)		Sample Receipt Temp:		custom TAT:	
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		Report: Level IV		(lab use only)			
CUSTOMER INFORMATION		PROJECT INFORMATION		ANALYSIS REQUEST		TEST INSTRUCTIONS / COMMENTS			
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721	PCBs - EPA Method 3546/8082		Confirmation Wipe Samples - Level IV		Report/Stage 3 Validation	
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP	Lead by EPA Method 3050M/6010B		Report PCB concentrations on a µg/100cm ² basis			
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491			Report lead concentrations on a µg/ft ² basis			
Address:	449 15th Street, Suite 303	P.O. #:				Report Aroclor 1268 concentrations in addition to the standard Aroclors			
Phone:	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA			Wipe samples collected from Zone 4 Enclosure A/B (Low Occupancy)			
Fax:	(651) 890-9556	Global ID:							
Sampled By:		T. Simpf							
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.				
16 ARCH-C7E-DG-2 TO 2.5-230509-L-DUP-FB	5/9/2023	1325	WP	1	-				
17 ARCH-C6E-PS-2.5-230509-P-G	5/9/2023	1430	WP	1	-				
18 ARCH-C6E-PS-2.5-230509-L-G	5/9/2023	1430	WP	1	-				
19 ARCH-C6E-DG-2.5 TO 3-3-230509-P-LA	5/9/2023	1410	WP	1	-				
20 ARCH-C6E-DG-2.5 TO 3-3-230509-L-LA	5/9/2023	1410	WP	1	-				
21 ARCH-C7E-PS-2.5-230509-P-G	5/9/2023	1450	WP	1	-				
22 ARCH-C7E-PS-2.5-230509-L-G	5/9/2023	1400	WP	1	-				
23 ARCH-C6E-DG-3 TO 3.5-230509-P-FB	5/9/2023	1500	WP	1	-				
24 ARCH-C6E-DG-3 TO 3.5-230509-L-FB	5/9/2023	1500	WP	1	-				
25									
26									
27									
28									
29									
30									
Signature		Print Name		Company / Title		Date / Time			
1 Relinquished By:		Michaela Kim		Rincon Env Scientist		5/10/23 @ 12:35			
1 Received By:		Audrey Hanson		ENV ANALYST		5/10/23 @ 12:35			
2 Relinquished By:		Audrey Hanson				5/10/23 13:50			
2 Received By:		Michaela Kim		ENV		5/10/23 13:50			
3 Relinquished By:		Michaela Kim		ENV		5/10/23 15:37			
3 Received By:		Michaela Kim		ENV		5/10/23 15:37			

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

SAMPLE RECEIPT CHECKLIST			
Section 1: Login # <u>484907</u>		Client: <u>Rincon</u>	
Date Received: <u>5/10/23</u>		Project: _____	
			
Section 2: Shipping info (if applicable) _____			
Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package			
☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None			
Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A			
Samples received in a cooler? ☒ Yes, how many? <u>1</u> ☐ No (skip Section 3 below)			
If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C			
☐ Samples received on ice directly from the field. Cooling process had begun			
If in cooler: Date Opened <u>5/10/23</u> By (print) <u>mm</u> (sign) <u>[Signature]</u>			
Section 3: Important: Notify PM if temperature exceeds 6°C or arrive frozen.			
Packing in cooler: (if other, describe) _____			
☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels			
☐ Samples received on ice directly from the field. Cooling process had begun			
Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None			
Temperature blank(s) included? ☐ Yes, ☐ No			
Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C			
Cooler Temp (°C): #1: <u>3.8</u> , #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____			
Section 4:			
	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			
Section 5:			
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			
pH strip lot# _____, pH strip lot# _____, pH strip lot# _____			
Preservative added:			
☐ H2SO4 lot# _____ added to samples _____ on/at _____			
☐ HCL lot# _____ added to samples _____ on/at _____			
☐ HNO3 lot# _____ added to samples _____ on/at _____			
☐ NaOH lot# _____ added to samples _____ on/at _____			
Section 6:			
Explanations/Comments: _____			
Date Logged in <u>5/10/23</u>		By (print) <u>mm</u> (sign) <u>[Signature]</u>	
Date Labeled <u>5/10/23</u>		By (print) <u>mm</u> (sign) <u>[Signature]</u>	

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

PS/16/2
484894 484907

Section 1	
Client: Rincon Consultants	Project: Hangar 1 NTCRA
Date Received: 05/11/23	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>4.6</u> #2: _____ #3: _____ #4: _____	
<i>(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)</i>	
Shipping Information: Southwest Airlines	

Section 3	
Was the cooler packed with: ☒ Ice ☒ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other _____	
Cooler Temp (°C): #1: <u>2.8</u> #2: _____ #3: _____ #4: _____	

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

Section 5 Explanations/Comments

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

Completed By: [Signature] Date: MAY 11 2023

SOUTHWEST AIRLINES

Printed on:
10 MAY 18:42

526 OAK 8807 1432 

SNA

PC#
3 OF

3
DG
G

LOT WT
130 LB
(59.0 KG)

OAK WN 121211 MAY 06:40

STN FLT DATE ETD LOT 01



ID: 0003
WT: 43LB

526 880714903

NFG

2.8 / 4.0

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 484907	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6E-EXT-1 TO 2-230509-P-WF	Batch#: 313861	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/09/23	Analysis: EPA 8082
Lab ID: 484907-001	Received: 05/10/23	Analyst: TJW
Matrix: Wipe	Prepared: 05/13/23	
Diln Fac: 1.000	Analyzed: 05/15/23	

484907-001 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
484907-001 Surrogate		%REC	Limits
TCMX (PCB)		68	19-121
Decachlorobiphenyl (PCB)		63	19-121

Field ID: ARCH-C7E-EXT-1 TO 2-230509-P-WF	Batch#: 313861	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/09/23	Analysis: EPA 8082
Lab ID: 484907-003	Received: 05/10/23	Analyst: TJW
Matrix: Wipe	Prepared: 05/13/23	
Diln Fac: 1.000	Analyzed: 05/15/23	

484907-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484907-003 Surrogate		%REC	Limits
TCMX (PCB)		76	19-121
Decachlorobiphenyl (PCB)		71	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484907	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6E-DG-1 TO 1.5-230509-P-FB	Batch#: 313861	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/09/23	Analysis: EPA 8082
Lab ID: 484907-005	Received: 05/10/23	Analyst: TJW
Matrix: Wipe	Prepared: 05/13/23	
Diln Fac: 1.000	Analyzed: 05/15/23	

484907-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484907-005 Surrogate		%REC	Limits
TCMX (PCB)		75	19-121
Decachlorobiphenyl (PCB)		69	19-121

Field ID: ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-LA	Batch#: 313861	Prep: EPA 3546
Type: SAMPLE	Sampled: 05/09/23	Analysis: EPA 8082
Lab ID: 484907-008	Received: 05/10/23	Analyst: TJW
Matrix: Wipe	Prepared: 05/13/23	
Diln Fac: 1.000	Analyzed: 05/15/23	

484907-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484907-008 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		69	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484907

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-DUP-LA

Batch#: 313861

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484907-009

Received: 05/10/23

Analyst: TJW

Matrix: Wipe

Prepared: 05/13/23

Diln Fac: 1.000

Analyzed: 05/15/23

484907-009 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
484907-009 Surrogate		%REC	Limits
TCMX (PCB)		75	19-121
Decachlorobiphenyl (PCB)		68	19-121

Field ID: ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-LA

Batch#: 313861

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484907-011

Received: 05/10/23

Analyst: TJW

Matrix: Wipe

Prepared: 05/13/23

Diln Fac: 1.000

Analyzed: 05/15/23

484907-011 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
484907-011 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		63	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484907

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-DUP-LA

Batch#: 313861

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484907-012

Received: 05/10/23

Analyst: TJW

Matrix: Wipe

Prepared: 05/13/23

Diln Fac: 1.000

Analyzed: 05/15/23

484907-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484907-012 Surrogate		%REC	Limits
TCMX (PCB)		71	19-121
Decachlorobiphenyl (PCB)		64	19-121

Field ID: ARCH-C7E-DG-2 TO 2.5-230509-P-FB

Batch#: 313861

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484907-014

Received: 05/10/23

Analyst: TJW

Matrix: Wipe

Prepared: 05/13/23

Diln Fac: 1.000

Analyzed: 05/15/23

484907-014 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
484907-014 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		62	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484907

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6E-PS-2.5-230509-P-G

Batch#: 313861

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484907-017

Received: 05/10/23

Analyst: TJW

Matrix: Wipe

Prepared: 05/13/23

DiIn Fac: 1.000

Analyzed: 05/15/23

484907-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484907-017 Surrogate		%REC	Limits
TCMX (PCB)		87	19-121
Decachlorobiphenyl (PCB)		77	19-121

Field ID: ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-P-LA

Batch#: 313861

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484907-019

Received: 05/10/23

Analyst: TJW

Matrix: Wipe

Prepared: 05/13/23

DiIn Fac: 1.000

Analyzed: 05/15/23

484907-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484907-019 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484907

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-PS-2.5-230509-P-G

Batch#: 313861

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484907-021

Received: 05/10/23

Analyst: TJW

Matrix: Wipe

Prepared: 05/13/23

Diln Fac: 1.000

Analyzed: 05/15/23

484907-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484907-021 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		71	19-121

Field ID: ARCH-C6E-DG-3 TO 3.5-230509-P-FB

Batch#: 313861

Prep: EPA 3546

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 8082

Lab ID: 484907-023

Received: 05/10/23

Analyst: TJW

Matrix: Wipe

Prepared: 05/13/23

Diln Fac: 1.000

Analyzed: 05/15/23

484907-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
484907-023 Surrogate		%REC	Limits
TCMX (PCB)		88	19-121
Decachlorobiphenyl (PCB)		76	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 484907

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 313861

Analysis: EPA 8082

Lab ID: QC1065514

Prepared: 05/13/23

Analyst: TJW

Matrix: Wipe

Analyzed: 05/15/23

Diln Fac: 1.000

Prep: EPA 3546

QC1065514 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

QC1065514 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	75	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 484907

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 313861

Analysis: EPA 8082

Lab ID: QC1065515

Prepared: 05/13/23

Analyst: TJW

Matrix: Wipe

Analyzed: 05/15/23

Diln Fac: 1.000

Prep: EPA 3546

QC1065515 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.144	83	60-140	ug/100 cm2
Aroclor-1260	5.000	3.526	71	60-140	ug/100 cm2
QC1065515 Surrogate				%REC	Limits
TCMX (PCB)				78	19-121
Decachlorobiphenyl (PCB)				73	19-121

Type: BSD

Batch#: 313861

Analysis: EPA 8082

Lab ID: QC1065516

Prepared: 05/13/23

Analyst: TJW

Matrix: Wipe

Analyzed: 05/15/23

Diln Fac: 1.000

Prep: EPA 3546

QC1065516 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.429	89	60-140	ug/100 cm2	7	20
Aroclor-1260	5.000	3.730	75	60-140	ug/100 cm2	6	20
QC1065516 Surrogate				%REC	Limits		
TCMX (PCB)				83	19-121		
Decachlorobiphenyl (PCB)				78	19-121		

Legend

RPD: Relative Percent Difference

Instrument: SVOA-GC06
 Calibration #: 453140432001
 Units: ug/L

Name: PCB_040723_1
 Date: 07-APR-2023 22:30
 X Axis: R

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

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

Instrument amount = $a0 + (response \times a1) + (response^2 \times a2)$
 AVRG: Average response factor

Instrument: SVOA-GC06
 Calibration #: 453140432001
 Units: ug/L

Name: PCB_040723_1
 Date: 07-APR-2023 22:30
 X Axis: R

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

ENTHALPY INITIAL CALIBRATION FOR 484907 PCBs Wipe: EPA 8082

Instrument: SVOA-GC06
Calibration #: 453140432001
Units: ug/L

Name: PCB_040723_1
Date: 07-APR-2023 22:30
X Axis: R

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

Instrument: SVOA-GC06
 Calibration #: 453140432001
 Units: ug/L

Name: PCB_040723_1
 Date: 07-APR-2023 22:30
 X Axis: R

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

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

Analyst: TRN 04/09/23

Reviewer: LW 04/10/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 484907 PCBS Wipe
EPA 8082

Inst: SVOA-GC06
Calnum: 453140432001

Name: PCB_040723_1
Cal Date: 07-APR-2023

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

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

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Analyst: TRN 04/09/23

Reviewer: LW 04/10/23

ENTHALPY CONTINUING CALIBRATION FOR 484907 PCBs Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_051523004	IDF: 1.0
Seqnum: 453195120004	Caldate: 07-APR-2023	Time: 15-MAY-2023 12:38
Cal: 453140432001		

Standards: S18318

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	498.8	ug/L	0	15	0.0000	
Aroclor-1260	A			500.0	470.7	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4094	1.3641	40.00	38.71	ug/L	-3	15	0.0000	
TCMX (PCB)	A	1.0215	0.9712	40.00	38.03	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	496.1	ug/L	-1	15	0.0000	
Aroclor-1260	B			500.0	448.8	ug/L	-10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1131	1.0307	40.00	37.04	ug/L	-7	15	0.0000	
TCMX (PCB)	B	0.9904	0.9282	40.00	37.49	ug/L	-6	15	0.0000	

ISTD (ICAL gc06_040723028)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8160408	9117775	11.73
1-bromo-2-nitrobenzene (PCB)	A	2292783	3337014	45.54

Analyst: TRN 05/15/23

Reviewer: MTS 05/16/23

Date: 05/15/23		Reference: gc06_040723028		
Sequence: SVOA-GC06 gc06_051523		Analyzed: 04/07/23 23:07		
#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8160408	2292783
		LOWER LIMIT	4080204	1146391
		UPPER LIMIT	16320815	4585566
004	CCV		9117775	3337014

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523004
Analyzed: 05/15/23 12:38

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	9117775	3337014
		LOWER LIMIT	4558887	1668507
		UPPER LIMIT	18235549	6674027
019	BLANK	QC1065514	7865242	2744409
020	BS	QC1065515	8219249	2829662
021	BSD	QC1065516	7668785	2718708
022	SAMPLE	484907-001	7466425	2801064
023	SAMPLE	484907-003	7377843	2821946
024	SAMPLE	484907-005	7505977	2863332
025	SAMPLE	484907-008	8183299	3077049
026	SAMPLE	484907-009	7810938	2983504
027	SAMPLE	484907-011	7444229	2937957
028	SAMPLE	484907-012	7555175	2989951
029	SAMPLE	484907-014	7975639	3048551
030	SAMPLE	484907-017	7595557	2888281
031	SAMPLE	484907-019	7393175	2821855
032	SAMPLE	484907-021	7712205	2924455
033	SAMPLE	484907-023	7665242	2894387
034	SAMPLE	484926-001	9230008	3454362
035	SAMPLE	485017-001	8498237	3062183
036	SAMPLE	485017-002	9028085	3418696
037	SAMPLE	485017-003	8963852	3344526
038	SAMPLE	485017-004	8930599	3287864

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523004
Analyzed: 05/15/23 12:38

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.34	4.11
		LOWER LIMIT	4.14	3.91
		UPPER LIMIT	4.54	4.31
019	BLANK	QC1065514	4.34	4.11
020	BS	QC1065515	4.34	4.11
021	BSD	QC1065516	4.34	4.11
022	SAMPLE	484907-001	4.34	4.11
023	SAMPLE	484907-003	4.34	4.11
024	SAMPLE	484907-005	4.34	4.11
025	SAMPLE	484907-008	4.34	4.11
026	SAMPLE	484907-009	4.34	4.11
027	SAMPLE	484907-011	4.34	4.11
028	SAMPLE	484907-012	4.34	4.11
029	SAMPLE	484907-014	4.34	4.11
030	SAMPLE	484907-017	4.34	4.11
031	SAMPLE	484907-019	4.34	4.10
032	SAMPLE	484907-021	4.34	4.11
033	SAMPLE	484907-023	4.34	4.10
034	SAMPLE	484926-001	4.34	4.11
035	SAMPLE	485017-001	4.34	4.11
036	SAMPLE	485017-002	4.34	4.11
037	SAMPLE	485017-003	4.34	4.11
038	SAMPLE	485017-004	4.34	4.10

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523007
Analyzed: 05/15/23 14:27

#	Type	Sample ID	1BR2NITROBZ1242 A	1BR2NITROBZ1242 B
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	2395727	421738
		LOWER LIMIT	1197863	210869
		UPPER LIMIT	4791453	843477
019	BLANK	QC1065514		
022	SAMPLE	484907-001		
023	SAMPLE	484907-003		
024	SAMPLE	484907-005		
025	SAMPLE	484907-008		
026	SAMPLE	484907-009		
027	SAMPLE	484907-011		
028	SAMPLE	484907-012		
029	SAMPLE	484907-014		
030	SAMPLE	484907-017		
031	SAMPLE	484907-019		
032	SAMPLE	484907-021		
033	SAMPLE	484907-023		
034	SAMPLE	484926-001		
035	SAMPLE	485017-001		
036	SAMPLE	485017-002		
037	SAMPLE	485017-003		
038	SAMPLE	485017-004		

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523007
Analyzed: 05/15/23 14:27

#	Type	Sample ID	1BR2NITROBZ1242 A RT	1BR2NITROBZ1242 B RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.11	4.50
		LOWER LIMIT	3.91	4.30
		UPPER LIMIT	4.31	4.70
019	BLANK	QC1065514		
022	SAMPLE	484907-001		
023	SAMPLE	484907-003		
024	SAMPLE	484907-005		
025	SAMPLE	484907-008		
026	SAMPLE	484907-009		
027	SAMPLE	484907-011		
028	SAMPLE	484907-012		
029	SAMPLE	484907-014		
030	SAMPLE	484907-017		
031	SAMPLE	484907-019		
032	SAMPLE	484907-021		
033	SAMPLE	484907-023		
034	SAMPLE	484926-001		
035	SAMPLE	485017-001		
036	SAMPLE	485017-002		
037	SAMPLE	485017-003		
038	SAMPLE	485017-004		

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523008
Analyzed: 05/15/23 14:46

#	Type	Sample ID	1BR2NITROBZ1254 B	1BR2NITROBZ1254 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8722400	3193682
		LOWER LIMIT	4361200	1596841
		UPPER LIMIT	17444801	6387363
019	BLANK	QC1065514		
022	SAMPLE	484907-001		
023	SAMPLE	484907-003		
024	SAMPLE	484907-005		
025	SAMPLE	484907-008		
026	SAMPLE	484907-009		
027	SAMPLE	484907-011		
028	SAMPLE	484907-012		
029	SAMPLE	484907-014		
030	SAMPLE	484907-017		
031	SAMPLE	484907-019		
032	SAMPLE	484907-021		
033	SAMPLE	484907-023		
034	SAMPLE	484926-001		
035	SAMPLE	485017-001	8506531	3046632
036	SAMPLE	485017-002	8995220	3412901
037	SAMPLE	485017-003	8979548	3337885
038	SAMPLE	485017-004	8925926	3280757

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523008
Analyzed: 05/15/23 14:46

#	Type	Sample ID	1BR2NITROBZ1254 B RT	1BR2NITROBZ1254 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.34	4.11
		LOWER LIMIT	4.14	3.91
		UPPER LIMIT	4.54	4.31
019	BLANK	QC1065514		
022	SAMPLE	484907-001		
023	SAMPLE	484907-003		
024	SAMPLE	484907-005		
025	SAMPLE	484907-008		
026	SAMPLE	484907-009		
027	SAMPLE	484907-011		
028	SAMPLE	484907-012		
029	SAMPLE	484907-014		
030	SAMPLE	484907-017		
031	SAMPLE	484907-019		
032	SAMPLE	484907-021		
033	SAMPLE	484907-023		
034	SAMPLE	484926-001		
035	SAMPLE	485017-001	4.34	4.11
036	SAMPLE	485017-002	4.34	4.11
037	SAMPLE	485017-003	4.34	4.11
038	SAMPLE	485017-004	4.34	4.10

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523011
Analyzed: 05/15/23 15:42

#	Type	Sample ID	1BR2NITROBZ1221 B	1BR2NITROBZ1221 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	9112527	3338823
		LOWER LIMIT	4556263	1669412
		UPPER LIMIT	18225054	6677647
019	BLANK	QC1065514		
022	SAMPLE	484907-001		
023	SAMPLE	484907-003		
024	SAMPLE	484907-005		
025	SAMPLE	484907-008		
026	SAMPLE	484907-009		
027	SAMPLE	484907-011		
028	SAMPLE	484907-012		
029	SAMPLE	484907-014		
030	SAMPLE	484907-017		
031	SAMPLE	484907-019		
032	SAMPLE	484907-021		
033	SAMPLE	484907-023		
034	SAMPLE	484926-001		
035	SAMPLE	485017-001		
036	SAMPLE	485017-002		
037	SAMPLE	485017-003		
038	SAMPLE	485017-004		

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523011
Analyzed: 05/15/23 15:42

#	Type	Sample ID	1BR2NITROBZ1221 B RT	1BR2NITROBZ1221 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.34	4.11
		LOWER LIMIT	4.14	3.91
		UPPER LIMIT	4.54	4.31
019	BLANK	QC1065514		
022	SAMPLE	484907-001		
023	SAMPLE	484907-003		
024	SAMPLE	484907-005		
025	SAMPLE	484907-008		
026	SAMPLE	484907-009		
027	SAMPLE	484907-011		
028	SAMPLE	484907-012		
029	SAMPLE	484907-014		
030	SAMPLE	484907-017		
031	SAMPLE	484907-019		
032	SAMPLE	484907-021		
033	SAMPLE	484907-023		
034	SAMPLE	484926-001		
035	SAMPLE	485017-001		
036	SAMPLE	485017-002		
037	SAMPLE	485017-003		
038	SAMPLE	485017-004		

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523012
Analyzed: 05/15/23 16:01

#	Type	Sample ID	1BR2NITROBZ1232 B	1BR2NITROBZ1232 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8107183	2988590
		LOWER LIMIT	4053592	1494295
		UPPER LIMIT	16214366	5977181
019	BLANK	QC1065514		
022	SAMPLE	484907-001		
023	SAMPLE	484907-003		
024	SAMPLE	484907-005		
025	SAMPLE	484907-008		
026	SAMPLE	484907-009		
027	SAMPLE	484907-011		
028	SAMPLE	484907-012		
029	SAMPLE	484907-014		
030	SAMPLE	484907-017		
031	SAMPLE	484907-019		
032	SAMPLE	484907-021		
033	SAMPLE	484907-023		
034	SAMPLE	484926-001		
035	SAMPLE	485017-001		
036	SAMPLE	485017-002		
037	SAMPLE	485017-003		
038	SAMPLE	485017-004		

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523012
Analyzed: 05/15/23 16:01

#	Type	Sample ID	1BR2NITROBZ1232 B RT	1BR2NITROBZ1232 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.35	4.11
		LOWER LIMIT	4.15	3.91
		UPPER LIMIT	4.55	4.31
019	BLANK	QC1065514		
022	SAMPLE	484907-001		
023	SAMPLE	484907-003		
024	SAMPLE	484907-005		
025	SAMPLE	484907-008		
026	SAMPLE	484907-009		
027	SAMPLE	484907-011		
028	SAMPLE	484907-012		
029	SAMPLE	484907-014		
030	SAMPLE	484907-017		
031	SAMPLE	484907-019		
032	SAMPLE	484907-021		
033	SAMPLE	484907-023		
034	SAMPLE	484926-001		
035	SAMPLE	485017-001		
036	SAMPLE	485017-002		
037	SAMPLE	485017-003		
038	SAMPLE	485017-004		

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523013
Analyzed: 05/15/23 16:20

#	Type	Sample ID	1BR2NITROBZ1262 B	1BR2NITROBZ1262 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	7891834	2844240
		LOWER LIMIT	3945917	1422120
		UPPER LIMIT	15783669	5688479
019	BLANK	QC1065514		
022	SAMPLE	484907-001		
023	SAMPLE	484907-003		
024	SAMPLE	484907-005		
025	SAMPLE	484907-008		
026	SAMPLE	484907-009		
027	SAMPLE	484907-011		
028	SAMPLE	484907-012		
029	SAMPLE	484907-014		
030	SAMPLE	484907-017		
031	SAMPLE	484907-019		
032	SAMPLE	484907-021		
033	SAMPLE	484907-023		
034	SAMPLE	484926-001		
035	SAMPLE	485017-001		
036	SAMPLE	485017-002		
037	SAMPLE	485017-003		
038	SAMPLE	485017-004		

Date: 05/15/23
Sequence: SVOA-GC06 gc06_051523

Reference: gc06_051523013
Analyzed: 05/15/23 16:20

#	Type	Sample ID	1BR2NITROBZ1262 B RT	1BR2NITROBZ1262 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.34	4.11
		LOWER LIMIT	4.14	3.91
		UPPER LIMIT	4.54	4.31
019	BLANK	QC1065514		
022	SAMPLE	484907-001		
023	SAMPLE	484907-003		
024	SAMPLE	484907-005		
025	SAMPLE	484907-008		
026	SAMPLE	484907-009		
027	SAMPLE	484907-011		
028	SAMPLE	484907-012		
029	SAMPLE	484907-014		
030	SAMPLE	484907-017		
031	SAMPLE	484907-019		
032	SAMPLE	484907-021		
033	SAMPLE	484907-023		
034	SAMPLE	484926-001		
035	SAMPLE	485017-001		
036	SAMPLE	485017-002		
037	SAMPLE	485017-003		
038	SAMPLE	485017-004		

Instrument: SVOA-GC06					Begun: 04/07/23 12:32				
Method: EPA 8081A, EPA 8082									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std's Used	
002	gc06_040723002	PEM				04/07/23 12:32	1.0	1	
004	gc06_040723004	CCV				04/07/23 13:08	1.0	2	
011	gc06_040723011	PEM				04/07/23 17:13	1.0	1	
026	gc06_040723026	ICAL				04/07/23 22:30	1.0	3	
027	gc06_040723027	ICAL				04/07/23 22:48	1.0	4	
028	gc06_040723028	ICAL				04/07/23 23:07	1.0	5	
029	gc06_040723029	ICAL				04/07/23 23:25	1.0	6	
030	gc06_040723030	ICAL				04/07/23 23:43	1.0	7	
031	gc06_040723031	ICAL				04/08/23 00:01	1.0	8	
032	gc06_040723032	ICAL				04/08/23 00:19	1.0	9	
033	gc06_040723033	ICAL				04/08/23 00:38	1.0	10	
034	gc06_040723034	ICAL				04/08/23 00:56	1.0	11	
035	gc06_040723035	ICAL				04/08/23 01:14	1.0	12	
037	gc06_040723037	ICV				04/08/23 01:51	1.0	13	

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

Standards Used:

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

Instrument: SVOA-GC06					Begun: 05/15/23 12:00				
Method: EPA 8081A, EPA 8082									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_051523002	PEM				05/15/23 12:00	1.0	1	
003	gc06_051523003	CCV				05/15/23 12:19	1.0	2	ac
004	gc06_051523004	CCV				05/15/23 12:38	1.0	3	
007	gc06_051523007	ICAL				05/15/23 14:27	1.0	4	
008	gc06_051523008	ICAL				05/15/23 14:46	1.0	5	
011	gc06_051523011	ICAL				05/15/23 15:42	1.0	6	
012	gc06_051523012	ICAL				05/15/23 16:01	1.0	7	
013	gc06_051523013	ICAL				05/15/23 16:20	1.0	8	
019	gc06_051523019	BLANK	QC1065514	Wipe	313861	05/15/23 18:13	1.0	9	
020	gc06_051523020	BS	QC1065515	Wipe	313861	05/15/23 18:32	1.0	9	
021	gc06_051523021	BSD	QC1065516	Wipe	313861	05/15/23 18:51	1.0	9	
022	gc06_051523022	SAMPLE	484907-001	Wipe	313861	05/15/23 19:10	1.0	9	
023	gc06_051523023	SAMPLE	484907-003	Wipe	313861	05/15/23 19:28	1.0	9	
024	gc06_051523024	SAMPLE	484907-005	Wipe	313861	05/15/23 19:47	1.0	9	
025	gc06_051523025	SAMPLE	484907-008	Wipe	313861	05/15/23 20:06	1.0	9	
026	gc06_051523026	SAMPLE	484907-009	Wipe	313861	05/15/23 20:25	1.0	9	
027	gc06_051523027	SAMPLE	484907-011	Wipe	313861	05/15/23 20:43	1.0	9	
028	gc06_051523028	SAMPLE	484907-012	Wipe	313861	05/15/23 21:02	1.0	9	
029	gc06_051523029	SAMPLE	484907-014	Wipe	313861	05/15/23 21:21	1.0	9	
030	gc06_051523030	SAMPLE	484907-017	Wipe	313861	05/15/23 21:39	1.0	9	
031	gc06_051523031	SAMPLE	484907-019	Wipe	313861	05/15/23 21:57	1.0	9	
032	gc06_051523032	SAMPLE	484907-021	Wipe	313861	05/15/23 22:16	1.0	9	
033	gc06_051523033	SAMPLE	484907-023	Wipe	313861	05/15/23 22:34	1.0	9	
034	gc06_051523034	SAMPLE	484926-001	Miscell.	313955	05/15/23 22:53	2.0	9	
035	gc06_051523035	SAMPLE	485017-001	Soil	313955	05/15/23 23:11	2.0	9	
036	gc06_051523036	SAMPLE	485017-002	Soil	313955	05/15/23 23:30	2.0	9	
037	gc06_051523037	SAMPLE	485017-003	Soil	313955	05/15/23 23:48	2.0	9	
038	gc06_051523038	SAMPLE	485017-004	Soil	313955	05/16/23 00:06	2.0	9	

TJW 05/16/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 38.

ac=average CCV drift out

Standards Used:

1=S18206 2=S18265 3=S18318 4=S18316 5=S18300 6=S17937 7=S17938 8=S17939 9=S18370

SAMPLE PREPARATION SUMMARY

Batch #: 313861
Started By: EPL

Method: 3546
Prep Date: 13-MAY-2023 07:58

Analysis: 8080
Finished By: EPL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18362	Spike S18369	Analysis
484907-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-009	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-012	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-014	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-017	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-019	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-021	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
484907-023	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
QC1065514 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1065515 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1065516 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080

Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: WIPE Date/Time: 5/3/23 7:58 Initials: EPL
Hotblock ID: N/A Therm Loc: _____ Therm ID/CF: _____ / _____ 608.3 QC Batch#: _____
Hotblock Temp (Obs/Corr), °C: _____ / _____ 8081 QC Batch #: _____
Balance ID: N/A Microdispenser ID: SVZINGE 8082 QC Batch #: 313861
Extraction Start Time*: 8:07 Extraction end time*: 8:59
* For hot block, microwave, shaker table

* For hot block, microwave, shaker table

[illegible]

Methylene Chloride Lot: N/A
Exchange Solvent (Hexane) ID: S18348
Acetone-Hexane Mix ID:
Sodium Sulfate Lot: 21961
Baked Sand Lot: N/A

Surrogate ID:	08362	Volume:	500 µL
Pest LCS Spike ID:	N/A	Volume:	N/A µL
PCB LCS Spike ID:	18369	Volume:	500 µL
Pest MS/MSD Spike ID:	N/A	Volume:	N/A µL
PCB MS/MSD Spike ID:	N/A	Volume:	N/A µL

REPORTING SUMMARY FOR 484907 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
484907-001	Aroclor-1016	SVOA-GC06	B	05/15/23 19:10
484907-001	Aroclor-1221	SVOA-GC06	B	05/15/23 19:10
484907-001	Aroclor-1232	SVOA-GC06	B	05/15/23 19:10
484907-001	Aroclor-1242	SVOA-GC06	B	05/15/23 19:10
484907-001	Aroclor-1248	SVOA-GC06	B	05/15/23 19:10
484907-001	Aroclor-1254	SVOA-GC06	B	05/15/23 19:10
484907-001	Aroclor-1260	SVOA-GC06	B	05/15/23 19:10
484907-001	Aroclor-1262	SVOA-GC06	B	05/15/23 19:10
484907-001	Aroclor-1268	SVOA-GC06	B	05/15/23 19:10
484907-001	TCMX (PCB)	SVOA-GC06	B	05/15/23 19:10
484907-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 19:10
484907-003	Aroclor-1016	SVOA-GC06	B	05/15/23 19:28
484907-003	Aroclor-1221	SVOA-GC06	B	05/15/23 19:28
484907-003	Aroclor-1232	SVOA-GC06	B	05/15/23 19:28
484907-003	Aroclor-1242	SVOA-GC06	B	05/15/23 19:28
484907-003	Aroclor-1248	SVOA-GC06	B	05/15/23 19:28
484907-003	Aroclor-1254	SVOA-GC06	B	05/15/23 19:28
484907-003	Aroclor-1260	SVOA-GC06	B	05/15/23 19:28
484907-003	Aroclor-1262	SVOA-GC06	B	05/15/23 19:28
484907-003	Aroclor-1268	SVOA-GC06	B	05/15/23 19:28
484907-003	TCMX (PCB)	SVOA-GC06	B	05/15/23 19:28
484907-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 19:28
484907-005	Aroclor-1016	SVOA-GC06	B	05/15/23 19:47
484907-005	Aroclor-1221	SVOA-GC06	B	05/15/23 19:47
484907-005	Aroclor-1232	SVOA-GC06	B	05/15/23 19:47
484907-005	Aroclor-1242	SVOA-GC06	B	05/15/23 19:47
484907-005	Aroclor-1248	SVOA-GC06	B	05/15/23 19:47
484907-005	Aroclor-1254	SVOA-GC06	B	05/15/23 19:47
484907-005	Aroclor-1260	SVOA-GC06	B	05/15/23 19:47
484907-005	Aroclor-1262	SVOA-GC06	B	05/15/23 19:47
484907-005	Aroclor-1268	SVOA-GC06	B	05/15/23 19:47
484907-005	TCMX (PCB)	SVOA-GC06	B	05/15/23 19:47
484907-005	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 19:47
484907-008	Aroclor-1016	SVOA-GC06	B	05/15/23 20:06
484907-008	Aroclor-1221	SVOA-GC06	B	05/15/23 20:06
484907-008	Aroclor-1232	SVOA-GC06	B	05/15/23 20:06
484907-008	Aroclor-1242	SVOA-GC06	B	05/15/23 20:06
484907-008	Aroclor-1248	SVOA-GC06	B	05/15/23 20:06
484907-008	Aroclor-1254	SVOA-GC06	B	05/15/23 20:06
484907-008	Aroclor-1260	SVOA-GC06	B	05/15/23 20:06
484907-008	Aroclor-1262	SVOA-GC06	B	05/15/23 20:06
484907-008	Aroclor-1268	SVOA-GC06	B	05/15/23 20:06
484907-008	TCMX (PCB)	SVOA-GC06	B	05/15/23 20:06
484907-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 20:06
484907-009	Aroclor-1016	SVOA-GC06	B	05/15/23 20:25
484907-009	Aroclor-1221	SVOA-GC06	B	05/15/23 20:25
484907-009	Aroclor-1232	SVOA-GC06	B	05/15/23 20:25
484907-009	Aroclor-1242	SVOA-GC06	B	05/15/23 20:25
484907-009	Aroclor-1248	SVOA-GC06	B	05/15/23 20:25
484907-009	Aroclor-1254	SVOA-GC06	B	05/15/23 20:25

REPORTING SUMMARY FOR 484907 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
484907-009	Aroclor-1260	SVOA-GC06	B	05/15/23 20:25
484907-009	Aroclor-1262	SVOA-GC06	B	05/15/23 20:25
484907-009	Aroclor-1268	SVOA-GC06	B	05/15/23 20:25
484907-009	TCMX (PCB)	SVOA-GC06	B	05/15/23 20:25
484907-009	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 20:25
484907-011	Aroclor-1016	SVOA-GC06	B	05/15/23 20:43
484907-011	Aroclor-1221	SVOA-GC06	B	05/15/23 20:43
484907-011	Aroclor-1232	SVOA-GC06	B	05/15/23 20:43
484907-011	Aroclor-1242	SVOA-GC06	B	05/15/23 20:43
484907-011	Aroclor-1248	SVOA-GC06	B	05/15/23 20:43
484907-011	Aroclor-1254	SVOA-GC06	B	05/15/23 20:43
484907-011	Aroclor-1260	SVOA-GC06	B	05/15/23 20:43
484907-011	Aroclor-1262	SVOA-GC06	B	05/15/23 20:43
484907-011	Aroclor-1268	SVOA-GC06	B	05/15/23 20:43
484907-011	TCMX (PCB)	SVOA-GC06	B	05/15/23 20:43
484907-011	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 20:43
484907-012	Aroclor-1016	SVOA-GC06	B	05/15/23 21:02
484907-012	Aroclor-1221	SVOA-GC06	B	05/15/23 21:02
484907-012	Aroclor-1232	SVOA-GC06	B	05/15/23 21:02
484907-012	Aroclor-1242	SVOA-GC06	B	05/15/23 21:02
484907-012	Aroclor-1248	SVOA-GC06	B	05/15/23 21:02
484907-012	Aroclor-1254	SVOA-GC06	B	05/15/23 21:02
484907-012	Aroclor-1260	SVOA-GC06	B	05/15/23 21:02
484907-012	Aroclor-1262	SVOA-GC06	B	05/15/23 21:02
484907-012	Aroclor-1268	SVOA-GC06	B	05/15/23 21:02
484907-012	TCMX (PCB)	SVOA-GC06	B	05/15/23 21:02
484907-012	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 21:02
484907-014	Aroclor-1016	SVOA-GC06	B	05/15/23 21:21
484907-014	Aroclor-1221	SVOA-GC06	B	05/15/23 21:21
484907-014	Aroclor-1232	SVOA-GC06	B	05/15/23 21:21
484907-014	Aroclor-1242	SVOA-GC06	B	05/15/23 21:21
484907-014	Aroclor-1248	SVOA-GC06	B	05/15/23 21:21
484907-014	Aroclor-1254	SVOA-GC06	B	05/15/23 21:21
484907-014	Aroclor-1260	SVOA-GC06	B	05/15/23 21:21
484907-014	Aroclor-1262	SVOA-GC06	B	05/15/23 21:21
484907-014	Aroclor-1268	SVOA-GC06	B	05/15/23 21:21
484907-014	TCMX (PCB)	SVOA-GC06	B	05/15/23 21:21
484907-014	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 21:21
484907-017	Aroclor-1016	SVOA-GC06	B	05/15/23 21:39
484907-017	Aroclor-1221	SVOA-GC06	B	05/15/23 21:39
484907-017	Aroclor-1232	SVOA-GC06	B	05/15/23 21:39
484907-017	Aroclor-1242	SVOA-GC06	B	05/15/23 21:39
484907-017	Aroclor-1248	SVOA-GC06	B	05/15/23 21:39
484907-017	Aroclor-1254	SVOA-GC06	B	05/15/23 21:39
484907-017	Aroclor-1260	SVOA-GC06	B	05/15/23 21:39
484907-017	Aroclor-1262	SVOA-GC06	B	05/15/23 21:39
484907-017	Aroclor-1268	SVOA-GC06	B	05/15/23 21:39
484907-017	TCMX (PCB)	SVOA-GC06	B	05/15/23 21:39
484907-017	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 21:39

REPORTING SUMMARY FOR 484907 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
484907-019	Aroclor-1016	SVOA-GC06	B	05/15/23 21:57
484907-019	Aroclor-1221	SVOA-GC06	B	05/15/23 21:57
484907-019	Aroclor-1232	SVOA-GC06	B	05/15/23 21:57
484907-019	Aroclor-1242	SVOA-GC06	B	05/15/23 21:57
484907-019	Aroclor-1248	SVOA-GC06	B	05/15/23 21:57
484907-019	Aroclor-1254	SVOA-GC06	B	05/15/23 21:57
484907-019	Aroclor-1260	SVOA-GC06	B	05/15/23 21:57
484907-019	Aroclor-1262	SVOA-GC06	B	05/15/23 21:57
484907-019	Aroclor-1268	SVOA-GC06	B	05/15/23 21:57
484907-019	TCMX (PCB)	SVOA-GC06	B	05/15/23 21:57
484907-019	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 21:57
484907-021	Aroclor-1016	SVOA-GC06	B	05/15/23 22:16
484907-021	Aroclor-1221	SVOA-GC06	B	05/15/23 22:16
484907-021	Aroclor-1232	SVOA-GC06	B	05/15/23 22:16
484907-021	Aroclor-1242	SVOA-GC06	B	05/15/23 22:16
484907-021	Aroclor-1248	SVOA-GC06	B	05/15/23 22:16
484907-021	Aroclor-1254	SVOA-GC06	B	05/15/23 22:16
484907-021	Aroclor-1260	SVOA-GC06	B	05/15/23 22:16
484907-021	Aroclor-1262	SVOA-GC06	B	05/15/23 22:16
484907-021	Aroclor-1268	SVOA-GC06	B	05/15/23 22:16
484907-021	TCMX (PCB)	SVOA-GC06	B	05/15/23 22:16
484907-021	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 22:16
484907-023	Aroclor-1016	SVOA-GC06	B	05/15/23 22:34
484907-023	Aroclor-1221	SVOA-GC06	B	05/15/23 22:34
484907-023	Aroclor-1232	SVOA-GC06	B	05/15/23 22:34
484907-023	Aroclor-1242	SVOA-GC06	B	05/15/23 22:34
484907-023	Aroclor-1248	SVOA-GC06	B	05/15/23 22:34
484907-023	Aroclor-1254	SVOA-GC06	B	05/15/23 22:34
484907-023	Aroclor-1260	SVOA-GC06	B	05/15/23 22:34
484907-023	Aroclor-1262	SVOA-GC06	B	05/15/23 22:34
484907-023	Aroclor-1268	SVOA-GC06	B	05/15/23 22:34
484907-023	TCMX (PCB)	SVOA-GC06	B	05/15/23 22:34
484907-023	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 22:34
QC1065514	Aroclor-1016	SVOA-GC06	B	05/15/23 18:13
QC1065514	Aroclor-1221	SVOA-GC06	B	05/15/23 18:13
QC1065514	Aroclor-1232	SVOA-GC06	B	05/15/23 18:13
QC1065514	Aroclor-1242	SVOA-GC06	B	05/15/23 18:13
QC1065514	Aroclor-1248	SVOA-GC06	B	05/15/23 18:13
QC1065514	Aroclor-1254	SVOA-GC06	B	05/15/23 18:13
QC1065514	Aroclor-1260	SVOA-GC06	B	05/15/23 18:13
QC1065514	Aroclor-1262	SVOA-GC06	B	05/15/23 18:13
QC1065514	Aroclor-1268	SVOA-GC06	B	05/15/23 18:13
QC1065514	TCMX (PCB)	SVOA-GC06	B	05/15/23 18:13
QC1065514	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 18:13
QC1065515	Aroclor-1016	SVOA-GC06	B	05/15/23 18:32
QC1065515	Aroclor-1260	SVOA-GC06	B	05/15/23 18:32
QC1065515	TCMX (PCB)	SVOA-GC06	B	05/15/23 18:32
QC1065515	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 18:32
QC1065516	Aroclor-1016	SVOA-GC06	B	05/15/23 18:51

REPORTING SUMMARY FOR 484907 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1065516	Aroclor-1260	SVOA-GC06	B	05/15/23 18:51
QC1065516	TCMX (PCB)	SVOA-GC06	B	05/15/23 18:51
QC1065516	Decachlorobiphenyl (PCB)	SVOA-GC06	B	05/15/23 18:51

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-001	Client ID: ARCH-C6E-EXT-1 TO 2-230509-P-WF
Seqnum: 453195120022	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523022	Batch: 313861	Time: 15-MAY-2023 19:10
Cal: 453140432001	Caldate: 07-APR-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	60.12	0.60 ^{FP} 0.67	0.67	11%	0.50		X U
Aroclor-1016 Peak # 1	B	39.74	0.40	0.43	8%			
Aroclor-1016 Peak # 2	B	104.3	1.04	0.22	131%			
Aroclor-1016 Peak # 3	B	147.9	1.48	0.72	69%			
Aroclor-1016 Peak # 4	B	5.486	0.05	1.39	185%			
Aroclor-1016 Peak # 5	B	3.192	0.03	0.59	179%			
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	12.40	ND	0.81	147%	0.50		U
Aroclor-1260 Peak # 1	B	10.43	0.10	1.91	179%			
Aroclor-1260 Peak # 2	B	24.02	0.24	0.06	117%			
Aroclor-1260 Peak # 3	B	10.32	0.10	0.05	71%			
Aroclor-1260 Peak # 4	B	8.148	0.08	1.59	180%			
Aroclor-1260 Peak # 5	B	9.061	0.09	0.43	130%			
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	34.23	0.5000	0.3423	68	19-121	U
Decachlorobiphenyl (PCB)	B	31.50	0.5000	0.3150	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, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7466425	-18.11
1-bromo-2-nitrobenzene (PCB)	A	3337014	2801064	-16.06

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

u=use x=false positive

Analyst: TJW 05/16/23

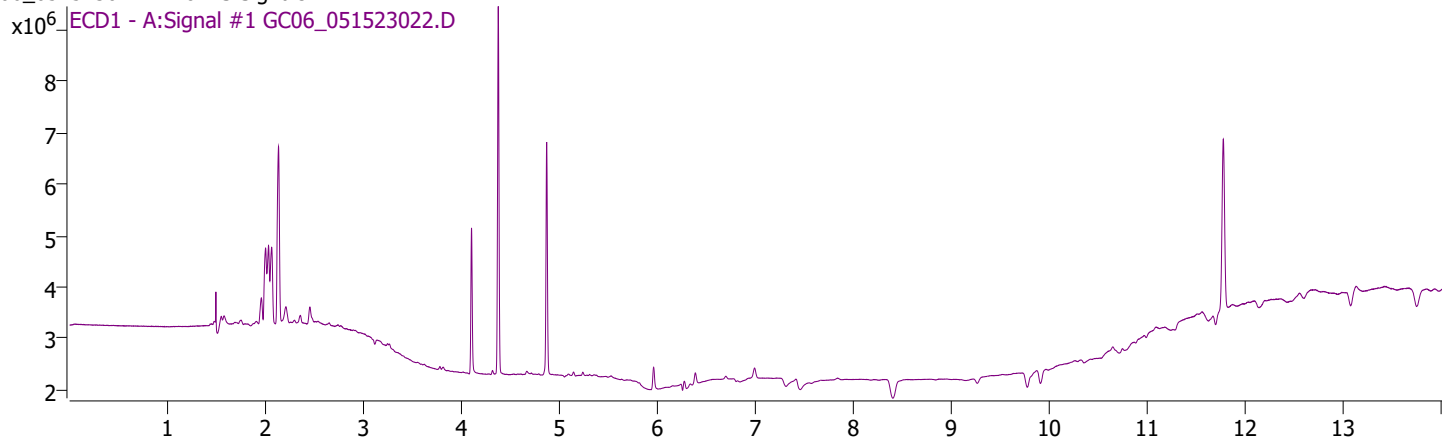
Reviewer: MTS 05/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_051523022.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 7:10:13 PM
Sample Name	484907-001, 313861, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
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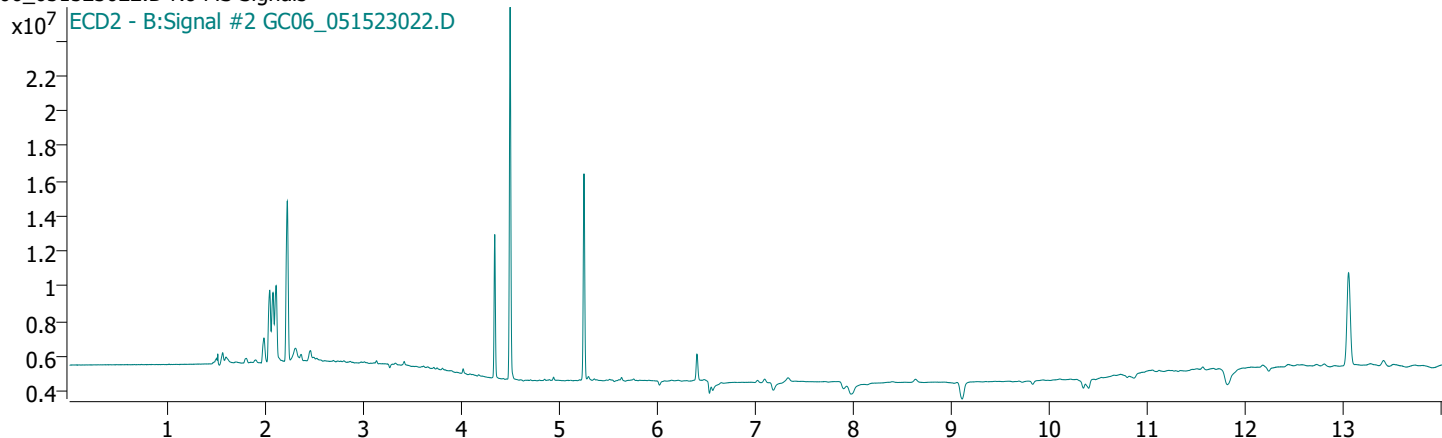
GC06_051523022.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_051523022.D



GC06_051523022.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_051523022.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.107	0.0	2801063.94 7	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	7466425.04 3	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.875	0.0	4635132.48 1	32.3988	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.99%	*	
S TCMX (PCB) #2	5.256	0.0	12656143.9 06	34.2315	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.16%	*	
S Decachlorobiphenyl (PCB)	11.788	0.0	7020046.56 7	35.5651	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.83%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	13090196.1 28	31.5024	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.51%	*	

Target Compounds

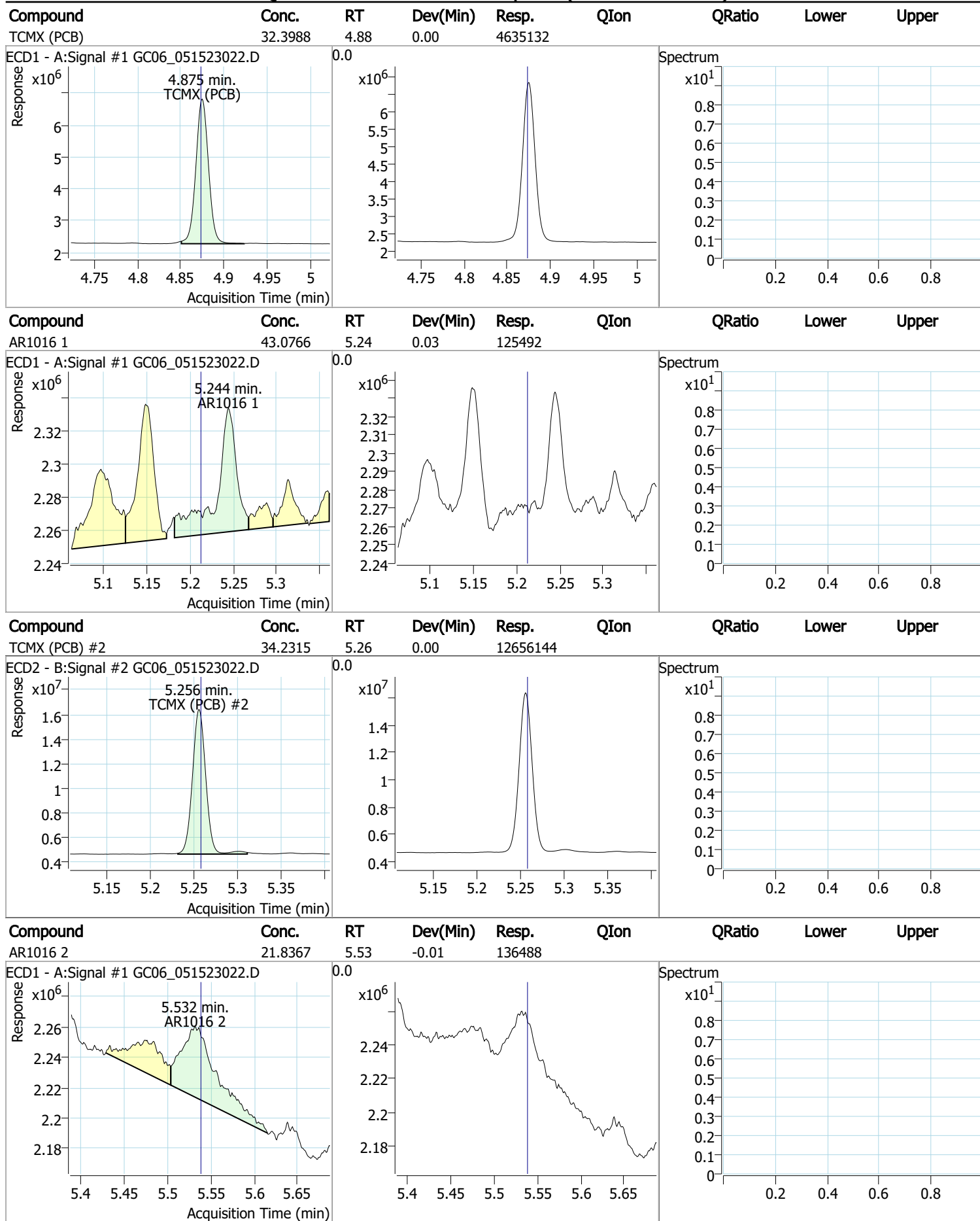
QValue

Quantitation Results Report (Not Reviewed)

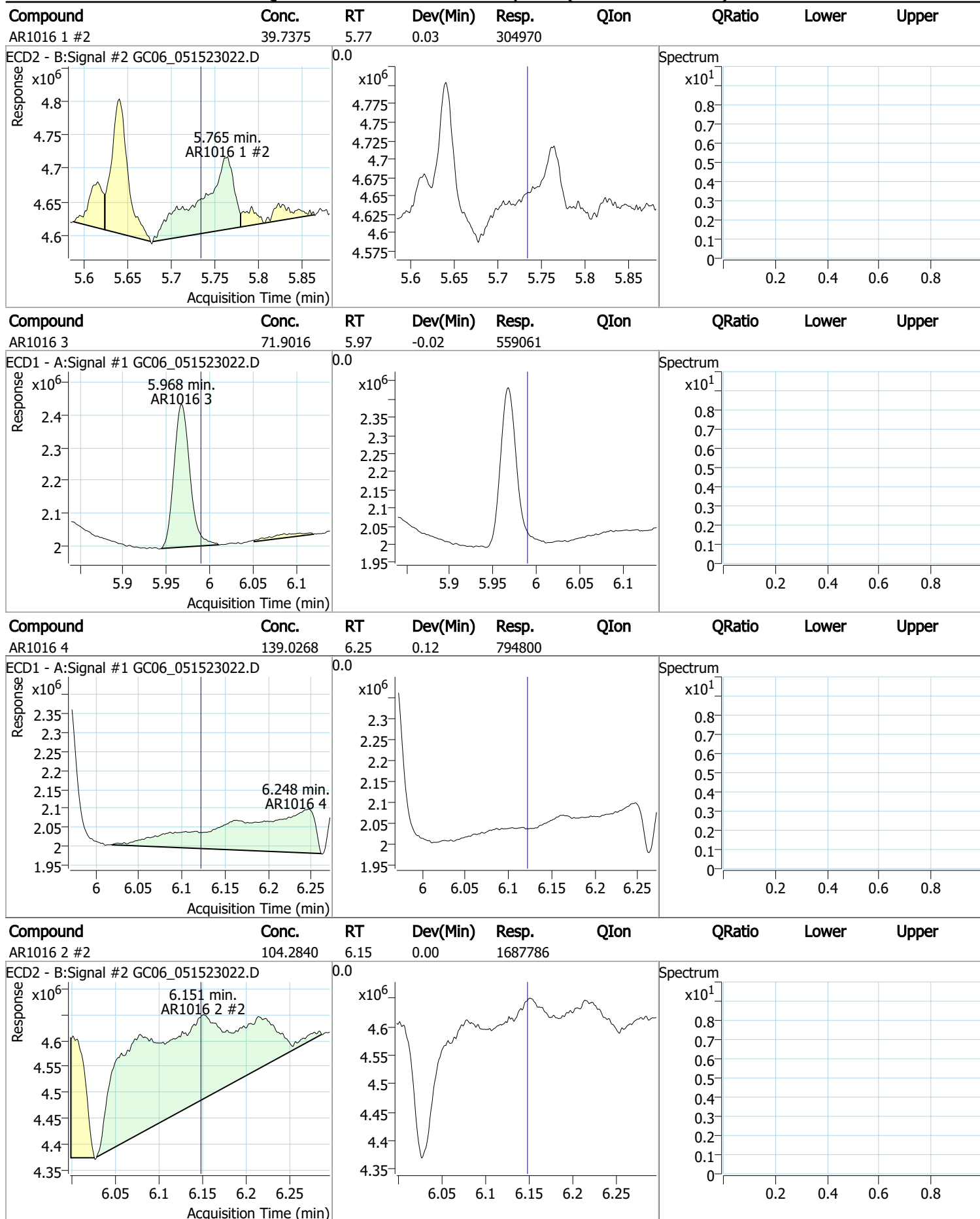
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.244	0.0	125492.324	43.0766	ng/ml	100
T AR1016 2	5.532	0.0	136487.707	21.8367	ng/ml	100
T AR1016 1 #2	5.765	0.0	304969.683	39.7375	ng/ml	100
T AR1016 3	5.968	0.0	559061.212	71.9016	ng/ml	100
T AR1016 4	6.248	0.0	794799.622	139.0268	ng/ml	100
T AR1016 2 #2	6.151	0.0	1687786.054	104.2840	ng/ml	100
T AR1016 5	6.282	0.0	197299.188	58.8434	ng/ml	100
T AR1016 3 #2	6.793	0.0	3037680.423	147.9248	ng/ml	100
T AR1016 4 #2	6.870	0.0	81046.903	5.4861	ng/ml	100
T AR1016 5 #2	7.485	0.0	38829.974	3.1919	ng/ml	100
T AR1260 1	8.217	0.0	1781428.948	190.8746	ng/ml	100
T AR1260 2	8.957	0.0	88905.884	6.3028	ng/ml	100
T AR1260 3	9.233	0.0	69515.737	4.9035	ng/ml	100
T AR1260 1 #2	9.698	0.0	222245.569	10.4331	ng/ml	100
T AR1260 4	9.883	0.0	1393403.654	158.8060	ng/ml	100
T AR1260 2 #2	9.948	0.0	632936.009	24.0170	ng/ml	100
T AR1260 3 #2	10.378	0.0	335029.307	10.3246	ng/ml	100
T AR1260 5	10.658	0.0	813024.435	42.9182	ng/ml	100
T AR1260 4 #2	10.826	0.0	155122.236	8.1483	ng/ml	100
T AR1260 5 #2	11.522	0.0	280077.577	9.0615	ng/ml	100

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

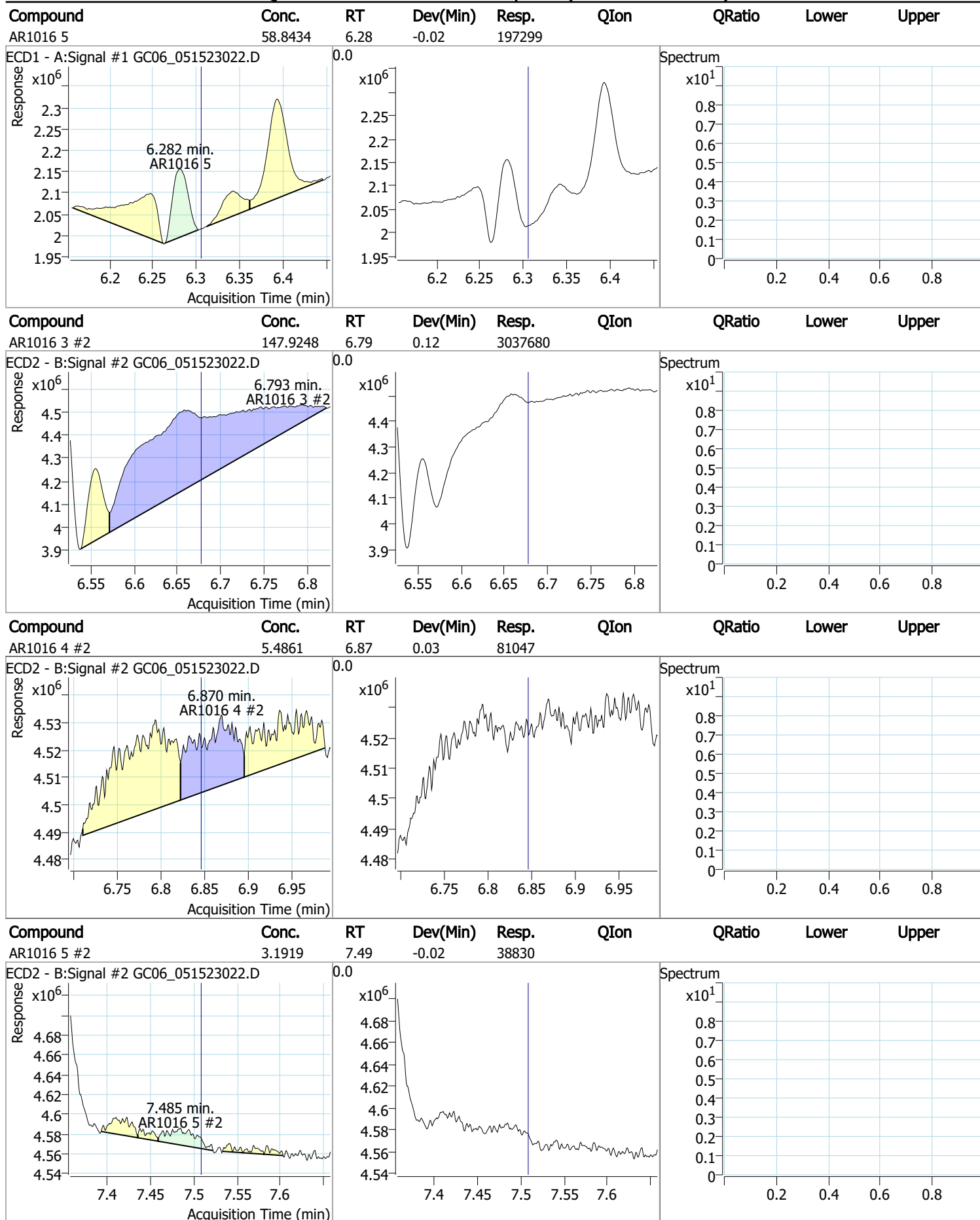
Quantitation Results Report (Not Reviewed)



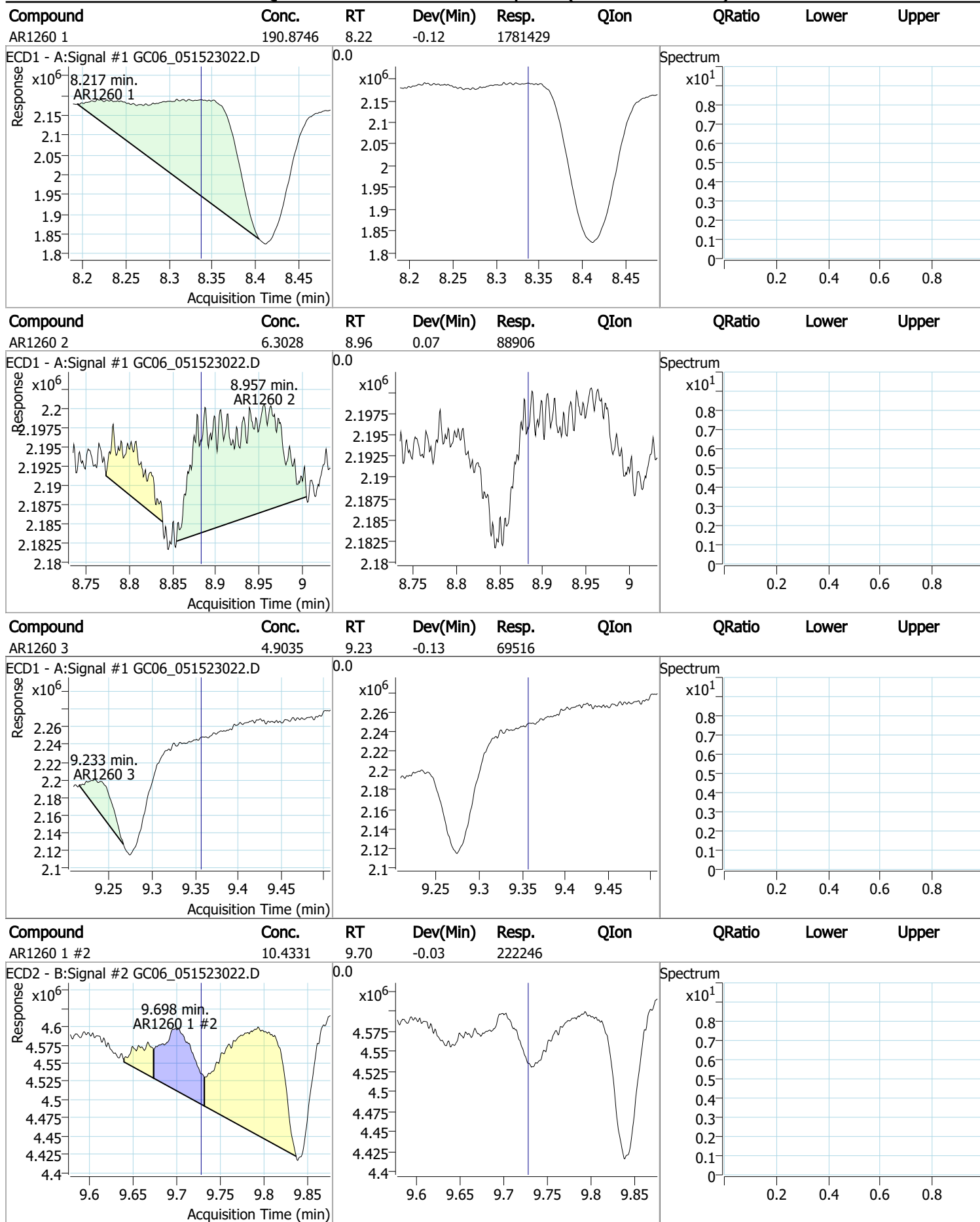
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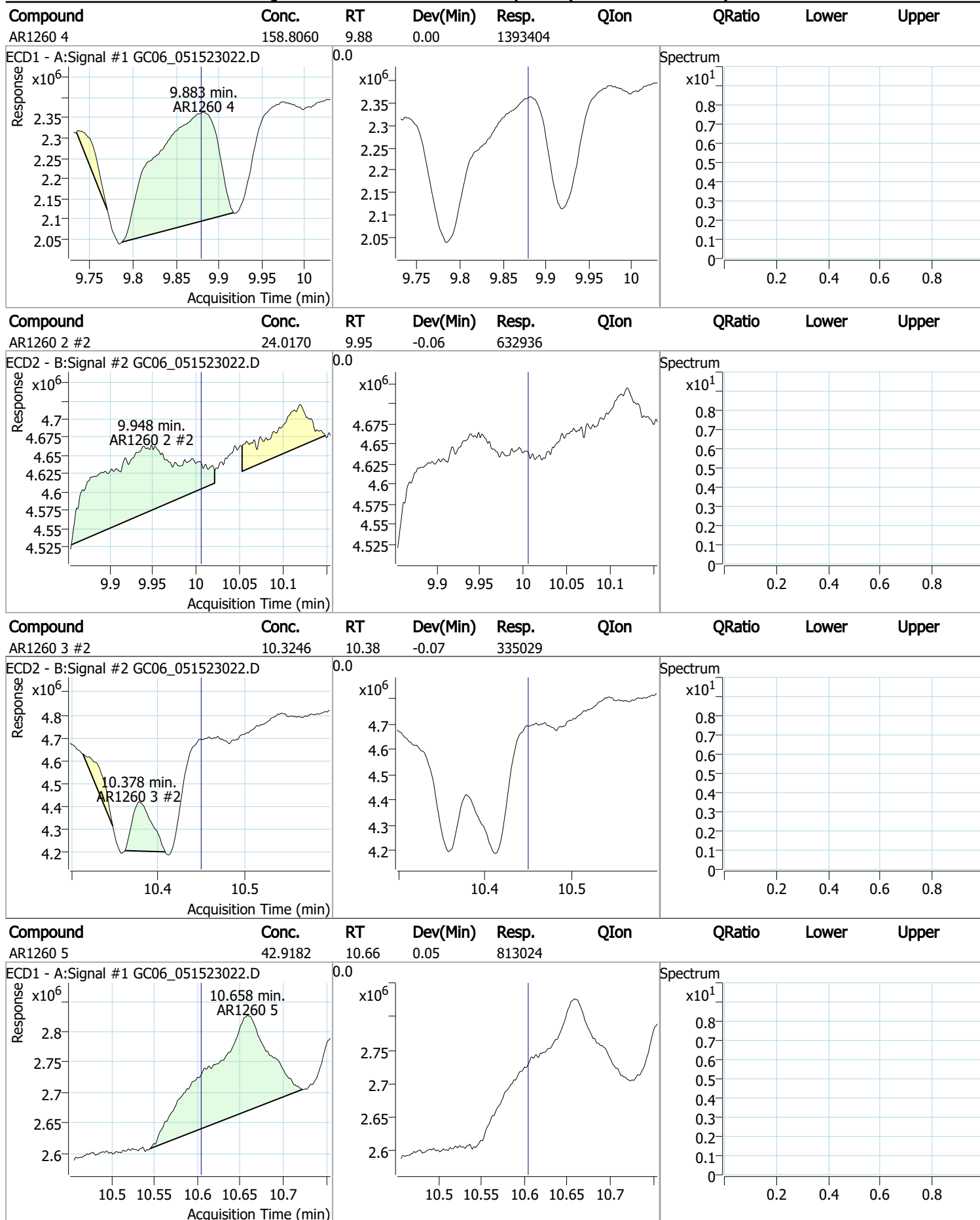
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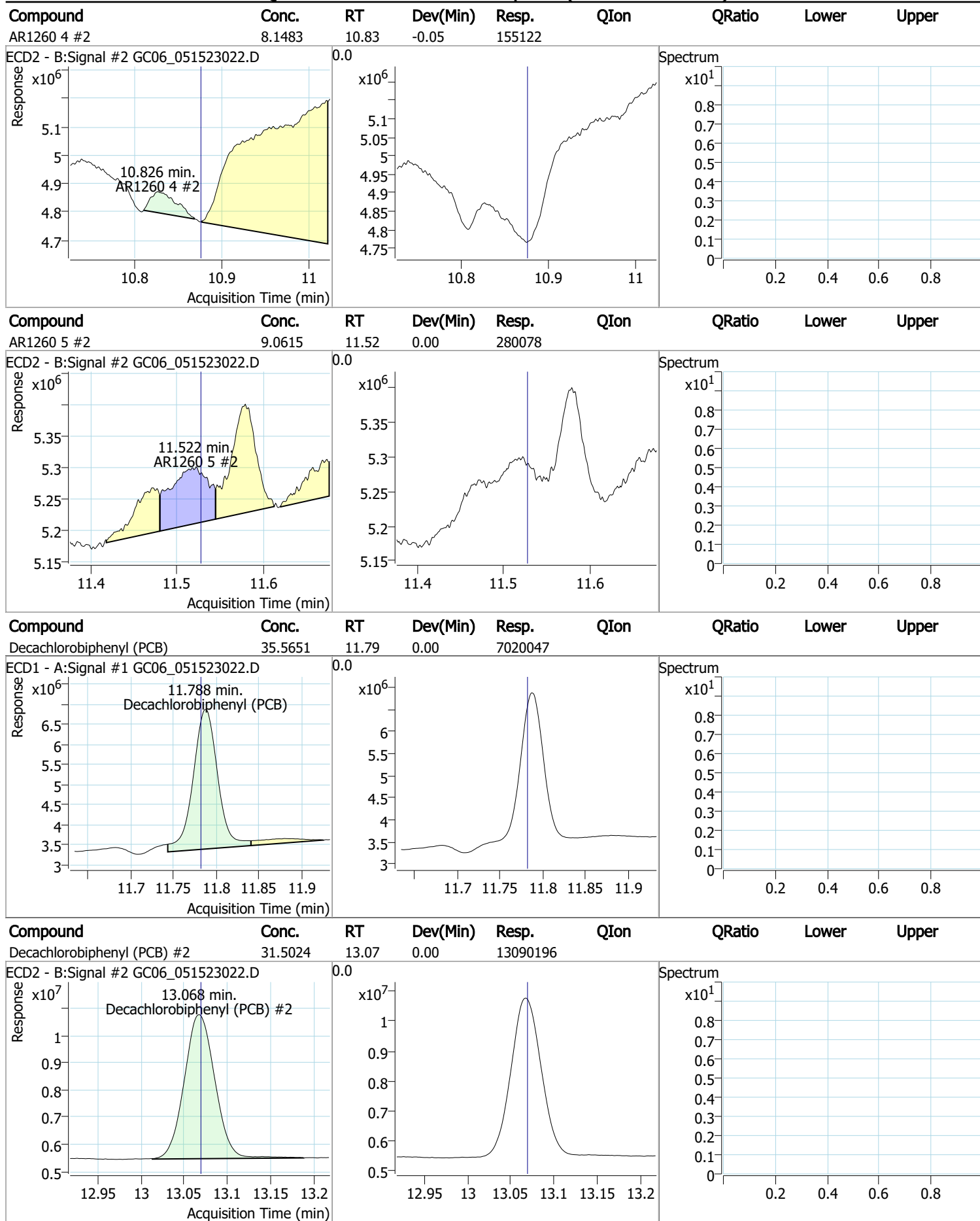
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-003	Client ID: ARCH-C7E-EXT-1 TO 2-230509-P-WF
Seqnum: 453195120023	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523023	Batch: 313861	Time: 15-MAY-2023 19:28
Cal: 453140432001	Caldate: 07-APR-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	76.54	0.77 ^{FP}	0.69	10%	0.50		X U
Aroclor-1016 Peak # 1	B	90.41	0.90	0.71	24%			
Aroclor-1016 Peak # 2	B	127.4	1.27	0.29	126%			
Aroclor-1016 Peak # 3	B	151.8	1.52	0.64	81%			
Aroclor-1016 Peak # 4	B	10.04	0.10	1.00	164%			
Aroclor-1016 Peak # 5	B	3.076	0.03	0.81	185%			
Aroclor-1221	B		ND			0.50		U
Aroclor-1232	B		ND			0.50		U
Aroclor-1242	B		ND			0.50		U
Aroclor-1248	B		ND			0.50		U
Aroclor-1254	B		ND			0.50		U
Aroclor-1260	B	15.83	ND	0.88	139%	0.50		U
Aroclor-1260 Peak # 1	B	12.28	0.12	2.03	177%			
Aroclor-1260 Peak # 2	B	29.98	0.30	0.07	122%			
Aroclor-1260 Peak # 3	B	13.01	0.13	0.05	82%			
Aroclor-1260 Peak # 4	B	10.34	0.10	1.68	177%			
Aroclor-1260 Peak # 5	B	13.53	0.14	0.54	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	37.76	0.5000	0.3776	76	19-121	U
Decachlorobiphenyl (PCB)	B	35.58	0.5000	0.3558	71	19-121	U

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7377843	-19.08
1-bromo-2-nitrobenzene (PCB)	A	3337014	2821946	-15.43

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

u=use x=false positive

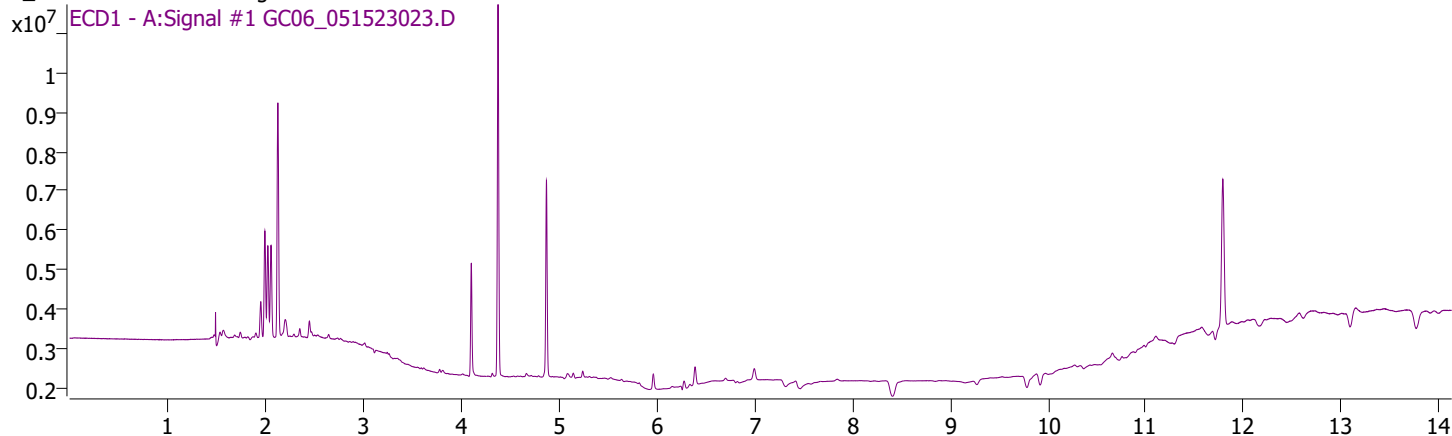
Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

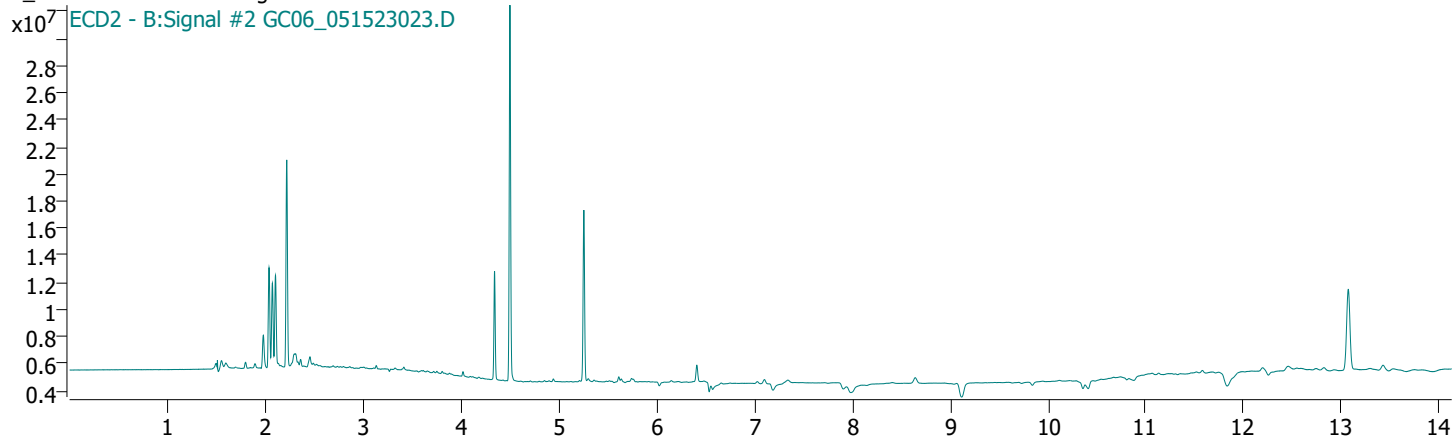
Quantitation Results Report (Not Reviewed)

Data File	GC06_051523023.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 7:28:55 PM
Sample Name	484907-003, 313861, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			

GC06_051523023.D No MS Signals



GC06_051523023.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.106	0.0	2821946.37 3	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	7377843.08 1	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.873	0.0	5057127.79 9	35.0869	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 175.43%	*	
S TCMX (PCB) #2	5.256	0.0	13795721.5 15	37.7617	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.81%	*	
S Decachlorobiphenyl (PCB)	11.787	0.0	7969155.31 8	40.0747	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.37%	*	
S Decachlorobiphenyl (PCB) #2	13.069	0.0	14607292.5 03	35.5755	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.88%	*	

Target Compounds

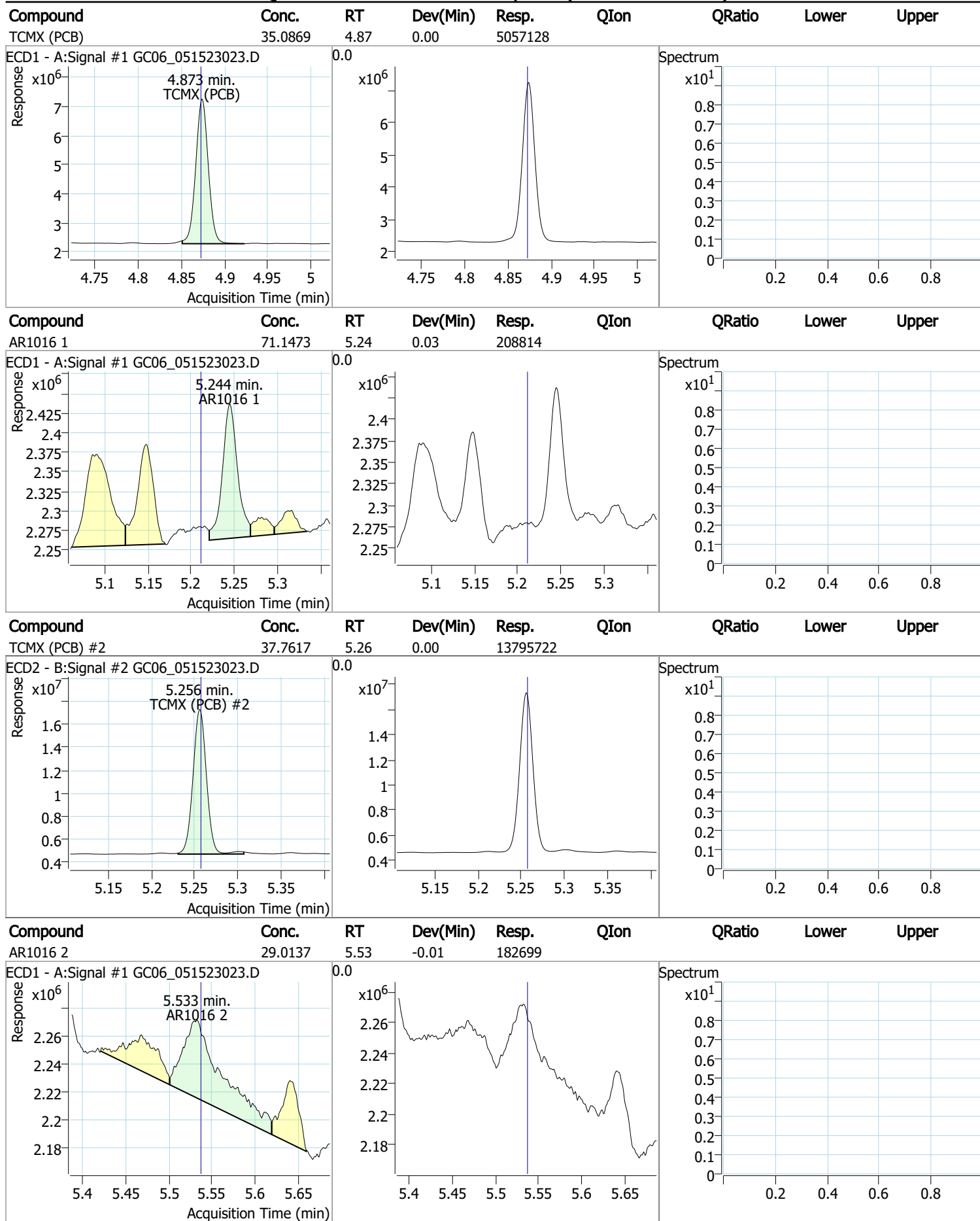
QValue

Quantitation Results Report (Not Reviewed)

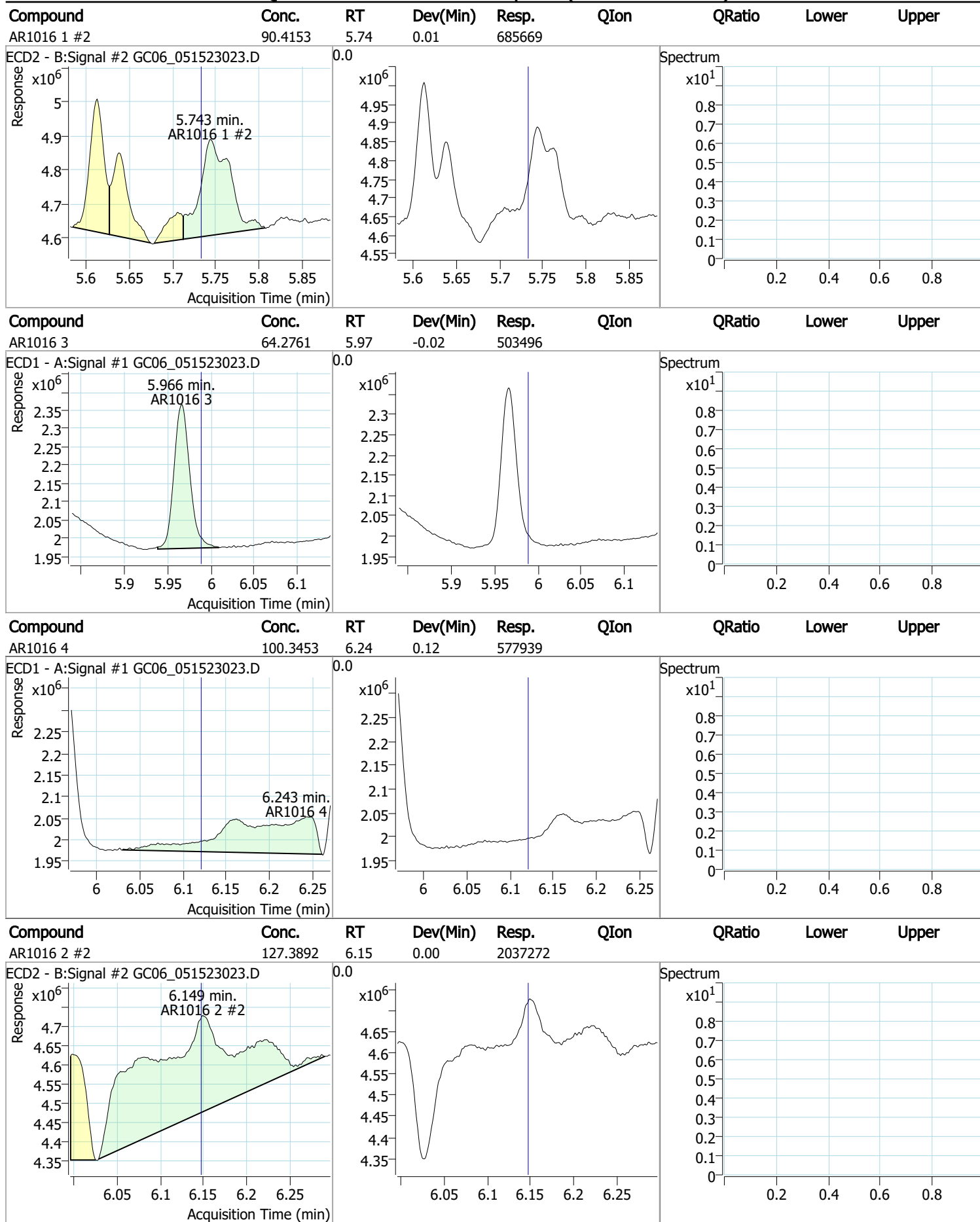
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.244	0.0	208814.113	71.1473	ng/ml	100
T AR1016 2	5.533	0.0	182698.579	29.0137	ng/ml	100
T AR1016 1 #2	5.743	0.0	685669.423	90.4153	ng/ml	100
T AR1016 3	5.966	0.0	503496.056	64.2761	ng/ml	100
T AR1016 4	6.243	0.0	577938.656	100.3453	ng/ml	100
T AR1016 2 #2	6.149	0.0	2037272.047	127.3892	ng/ml	100
T AR1016 5	6.280	0.0	272380.364	80.6349	ng/ml	100
T AR1016 3 #2	6.661	0.0	3079549.051	151.7642	ng/ml	100
T AR1016 4 #2	6.877	0.0	146613.891	10.0435	ng/ml	100
T AR1016 5 #2	7.493	0.0	36981.669	3.0765	ng/ml	100
T AR1260 1	8.342	0.0	1912902.024	203.4449	ng/ml	100
T AR1260 2	8.884	0.0	103691.270	7.2966	ng/ml	100
T AR1260 3	9.234	0.0	77563.473	5.4306	ng/ml	100
T AR1260 1 #2	9.700	0.0	258524.712	12.2819	ng/ml	100
T AR1260 4	9.882	0.0	1486727.332	168.1882	ng/ml	100
T AR1260 2 #2	9.944	0.0	780719.187	29.9803	ng/ml	100
T AR1260 3 #2	10.378	0.0	417015.361	13.0054	ng/ml	100
T AR1260 5	10.657	0.0	1022694.484	53.5869	ng/ml	100
T AR1260 4 #2	10.829	0.0	194566.142	10.3429	ng/ml	100
T AR1260 5 #2	11.518	0.0	413288.517	13.5319	ng/ml	100

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

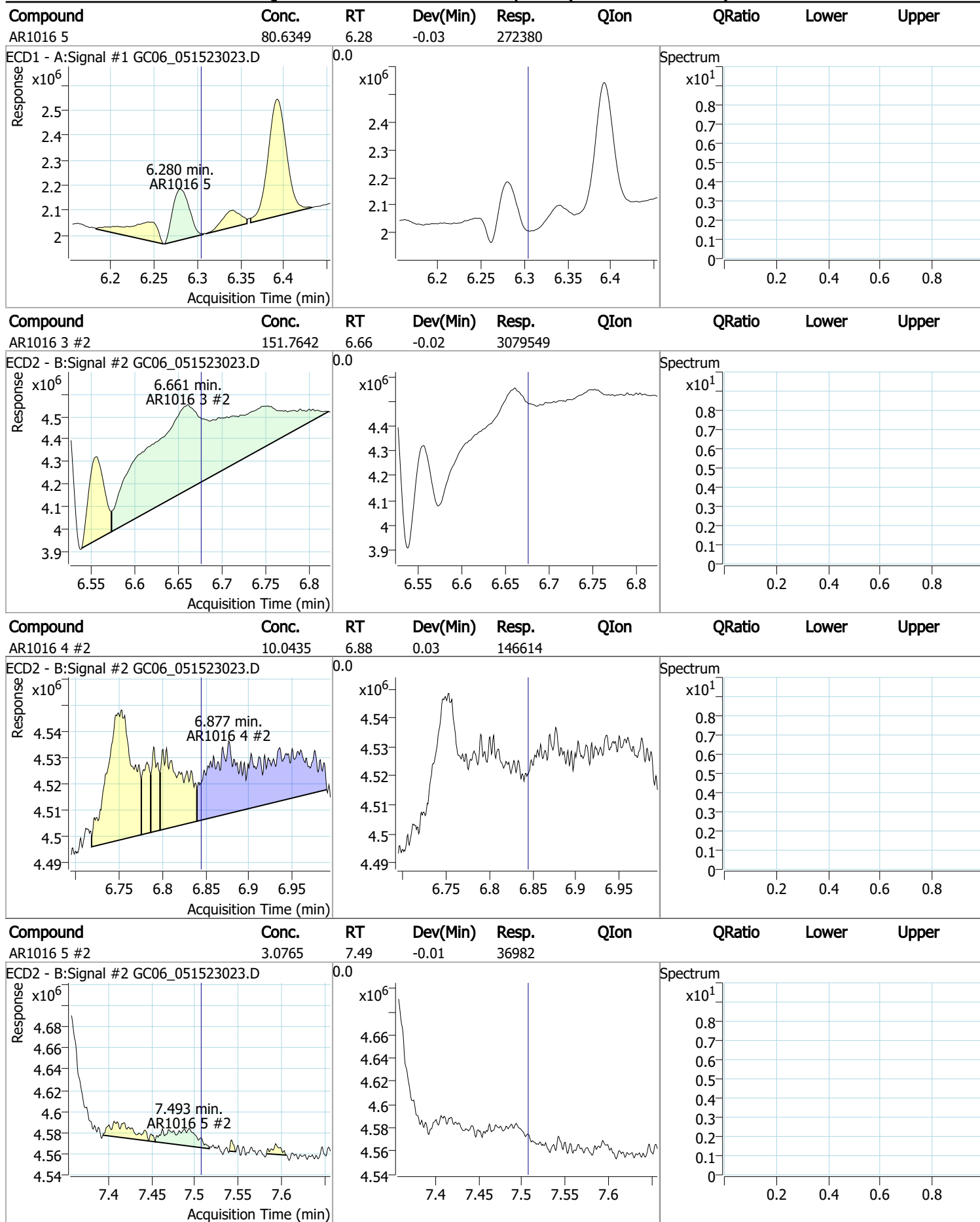
Quantitation Results Report (Not Reviewed)



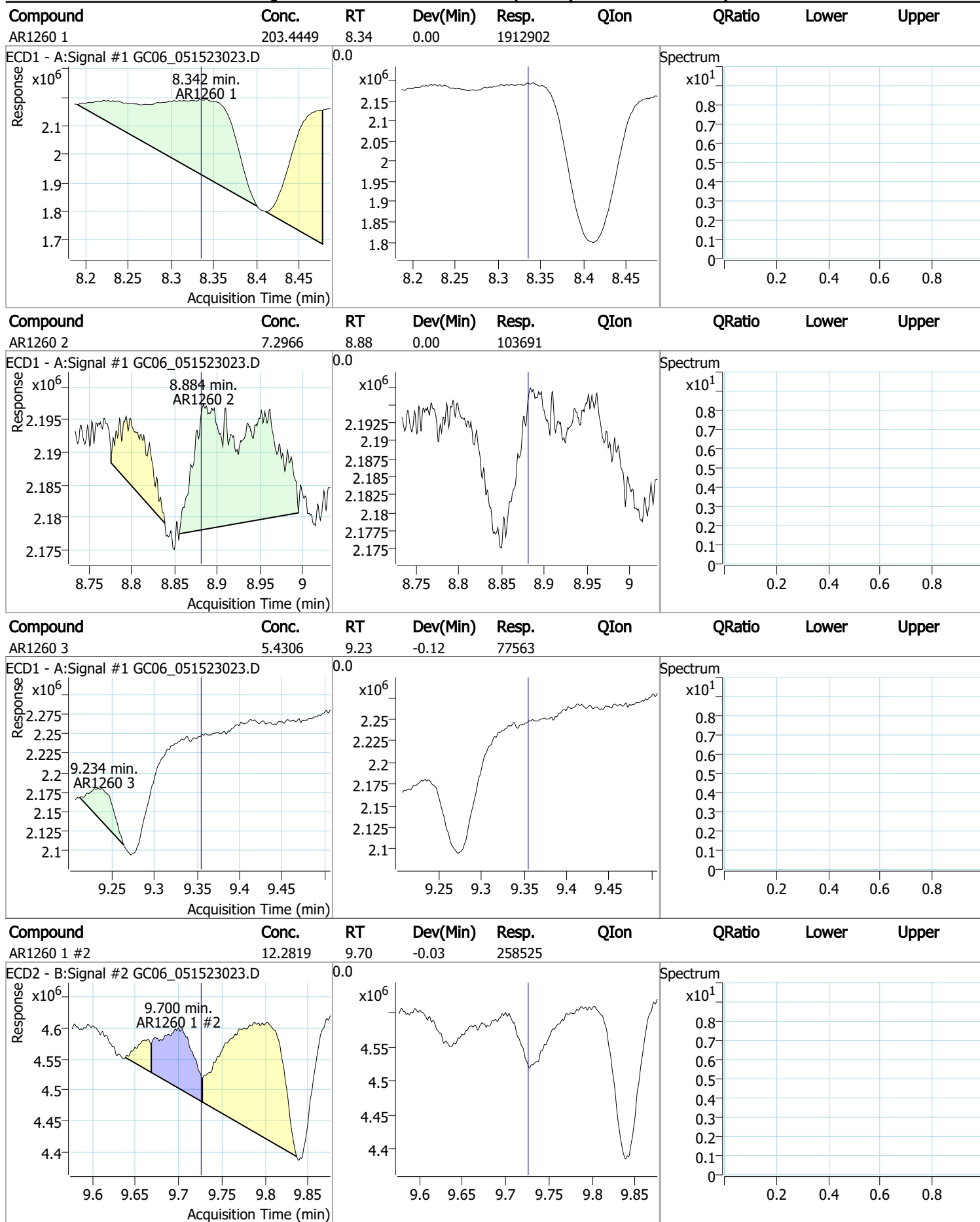
Quantitation Results Report (Not Reviewed)



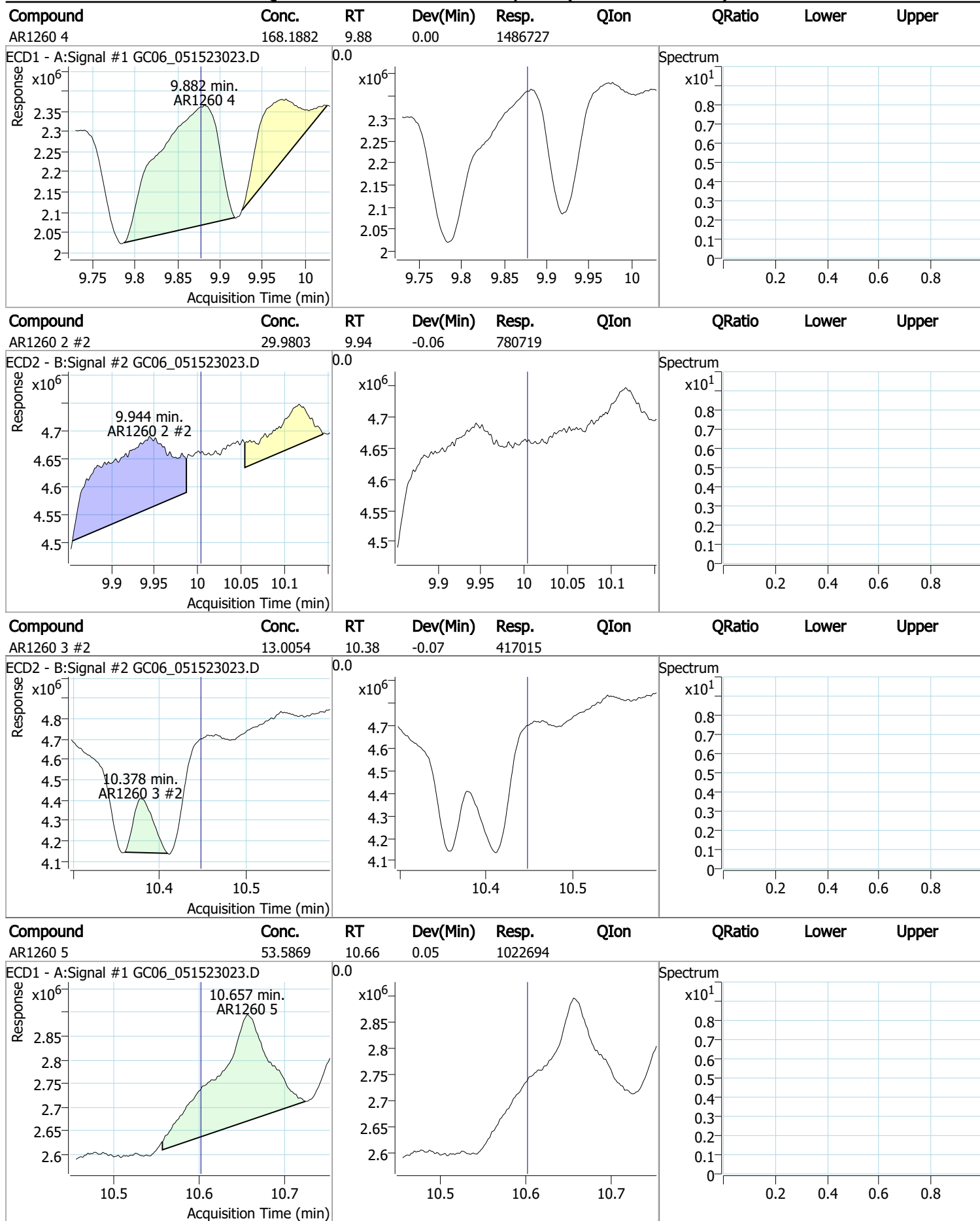
Quantitation Results Report (Not Reviewed)



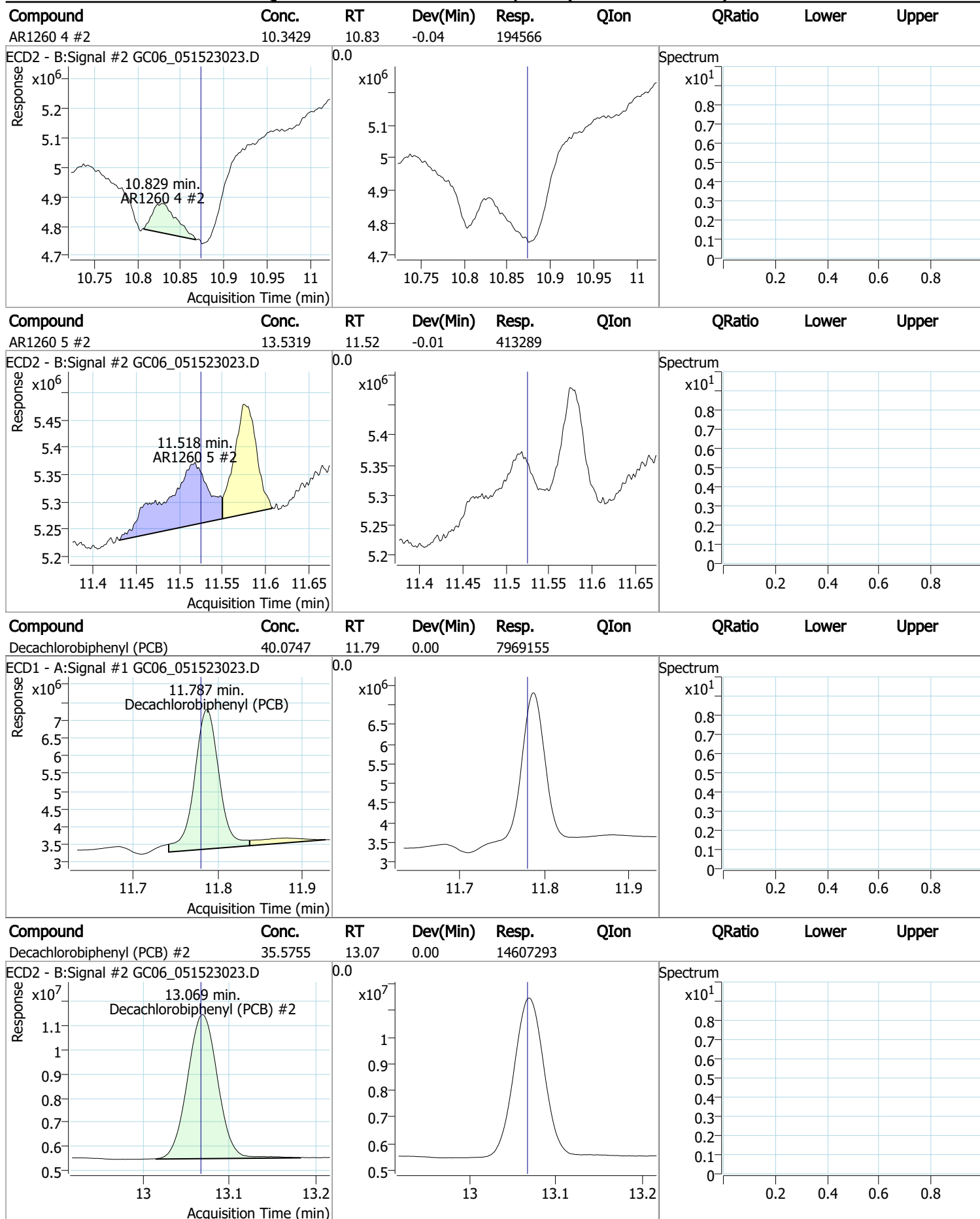
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-005	Client ID: ARCH-C6E-DG-1 TO 1.5-230509-P-FB
Seqnum: 453195120024	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523024	Batch: 313861	Time: 15-MAY-2023 19:47
Cal: 453140432001	Caldate: 07-APR-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	58.68	0.59 ^{FP}	0.59	1%	0.50		X U
Aroclor-1016 Peak # 1	B	19.23	0.19	0.76	119%			
Aroclor-1016 Peak # 2	B	129.7	1.30	0.31	122%			
Aroclor-1016 Peak # 3	B	139.3	1.39	0.77	58%			
Aroclor-1016 Peak # 4	B	4.959	0.05	0.28	140%			
Aroclor-1016 Peak # 5	B	0.1909	0.00	0.83	199%			
Aroclor-1221	B		ND			0.50		U
Aroclor-1232	B		ND			0.50		U
Aroclor-1242	B		ND			0.50		U
Aroclor-1248	B		ND			0.50		U
Aroclor-1254	B		ND			0.50		U
Aroclor-1260	B	21.13	ND	0.85	120%	0.50		U
Aroclor-1260 Peak # 1	B	26.13	0.26	1.86	151%			
Aroclor-1260 Peak # 2	B	22.00	0.22	0.03	146%			
Aroclor-1260 Peak # 3	B	12.31	0.12	0.13	2%			
Aroclor-1260 Peak # 4	B	15.17	0.15	1.56	165%			
Aroclor-1260 Peak # 5	B	30.03	0.30	0.65	73%			
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	37.71	0.5000	0.3771	75	19-121	U
Decachlorobiphenyl (PCB)	B	34.70	0.5000	0.3470	69	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, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7505977	-17.68
1-bromo-2-nitrobenzene (PCB)	A	3337014	2863332	-14.19

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

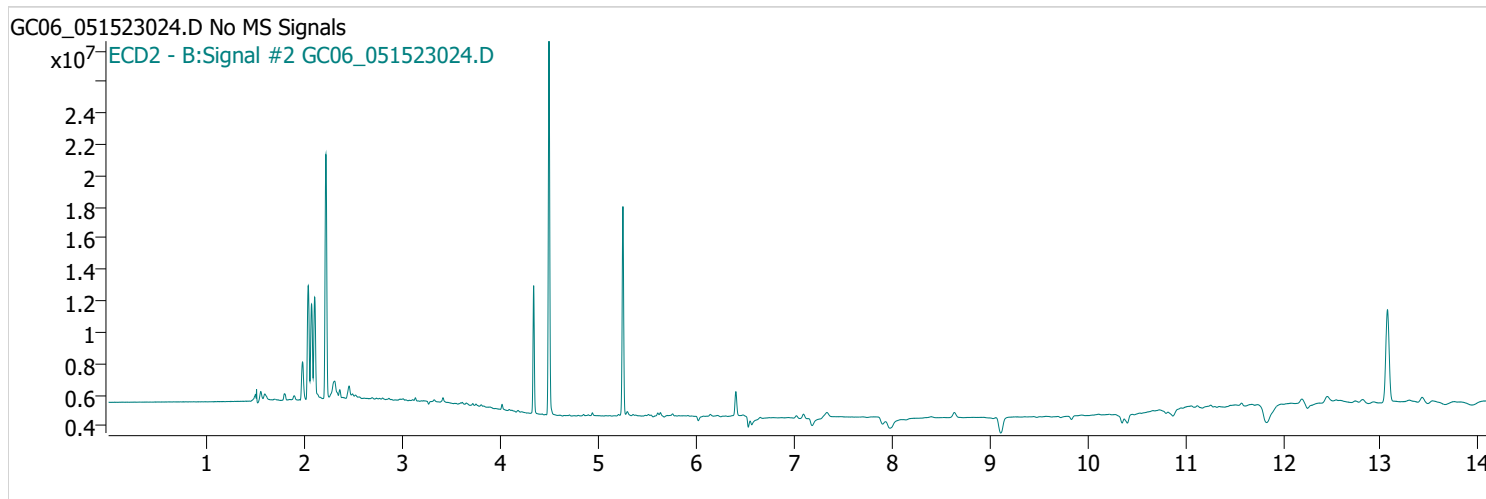
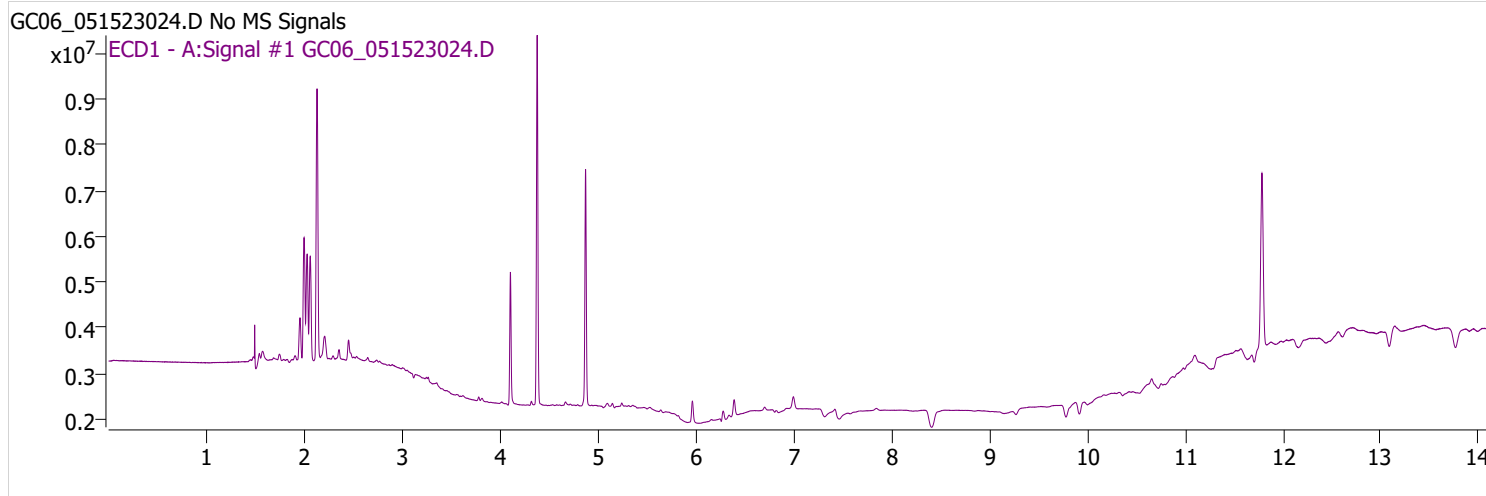
u=use x=false positive

Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_051523024.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 7:47:33 PM
Sample Name	484907-005, 313861, 1	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.106	0.0	2863331.64 8	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	7505977.22 3	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.874	0.0	5232471.61 5	35.7787	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.89%	*	
S TCMX (PCB) #2	5.256	0.0	14017831.0 28	37.7147	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.57%	*	
S Decachlorobiphenyl (PCB)	11.786	0.0	7820669.32 4	38.7596	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.80%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	14496080.4 53	34.7019	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.51%	*	

Target Compounds

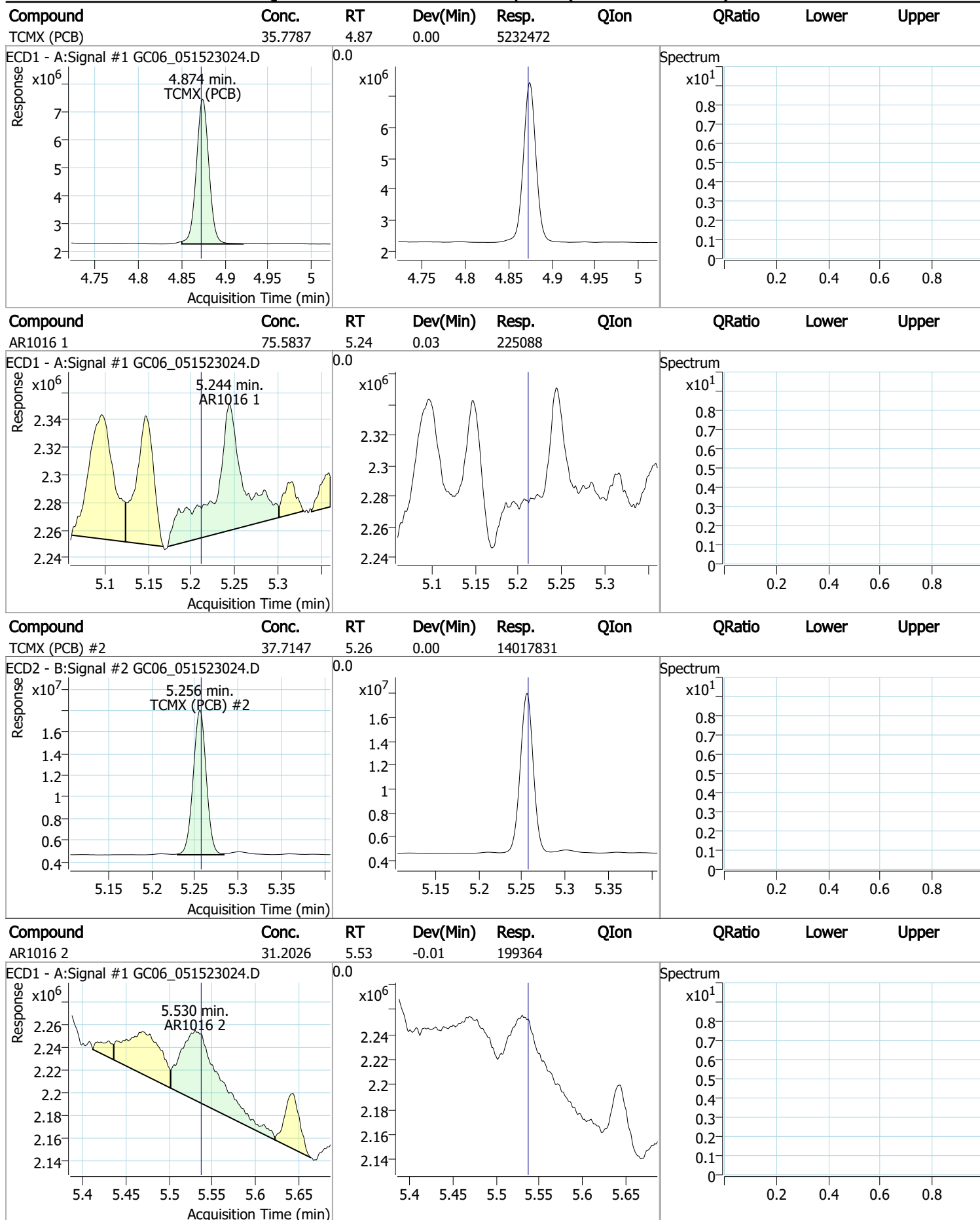
QValue

Quantitation Results Report (Not Reviewed)

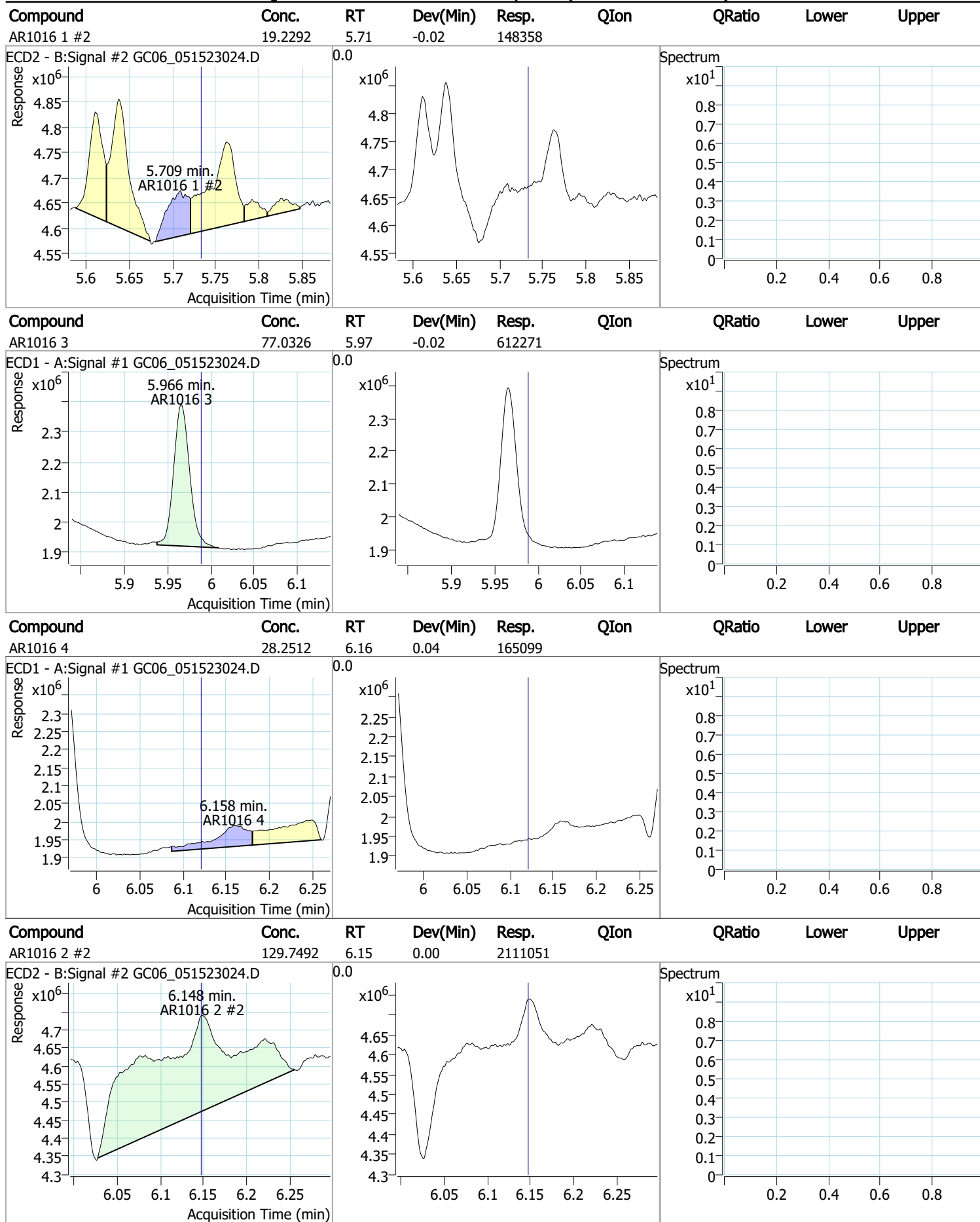
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.244	0.0	225088.111	75.5837	ng/ml	100
T AR1016 2	5.530	0.0	199363.579	31.2026	ng/ml	100
T AR1016 1 #2	5.709	0.0	148358.153	19.2292	ng/ml	100
T AR1016 3	5.966	0.0	612271.300	77.0326	ng/ml	100
T AR1016 4	6.158	0.0	165099.196	28.2512	ng/ml	100
T AR1016 2 #2	6.148	0.0	2111050.896	129.7492	ng/ml	100
T AR1016 5	6.280	0.0	283925.473	82.8378	ng/ml	100
T AR1016 3 #2	6.659	0.0	2874952.609	139.2628	ng/ml	100
T AR1016 4 #2	6.880	0.0	73655.767	4.9595	ng/ml	100
T AR1016 5 #2	7.509	0.0	2334.761	0.1909	ng/ml	100
T AR1260 1	8.329	0.0	1779199.531	186.4901	ng/ml	100
T AR1260 2	8.888	0.0	49956.271	3.4645	ng/ml	100
T AR1260 3	9.235	0.0	182250.461	12.5759	ng/ml	100
T AR1260 1 #2	9.700	0.0	559620.695	26.1325	ng/ml	100
T AR1260 4	9.882	0.0	1402107.723	156.3229	ng/ml	100
T AR1260 2 #2	9.942	0.0	582788.691	21.9976	ng/ml	100
T AR1260 3 #2	10.378	0.0	401691.347	12.3137	ng/ml	100
T AR1260 5	10.658	0.0	1253735.267	64.7434	ng/ml	100
T AR1260 4 #2	10.828	0.0	290413.497	15.1745	ng/ml	100
T AR1260 5 #2	11.576	0.0	932984.767	30.0262	ng/ml	100

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

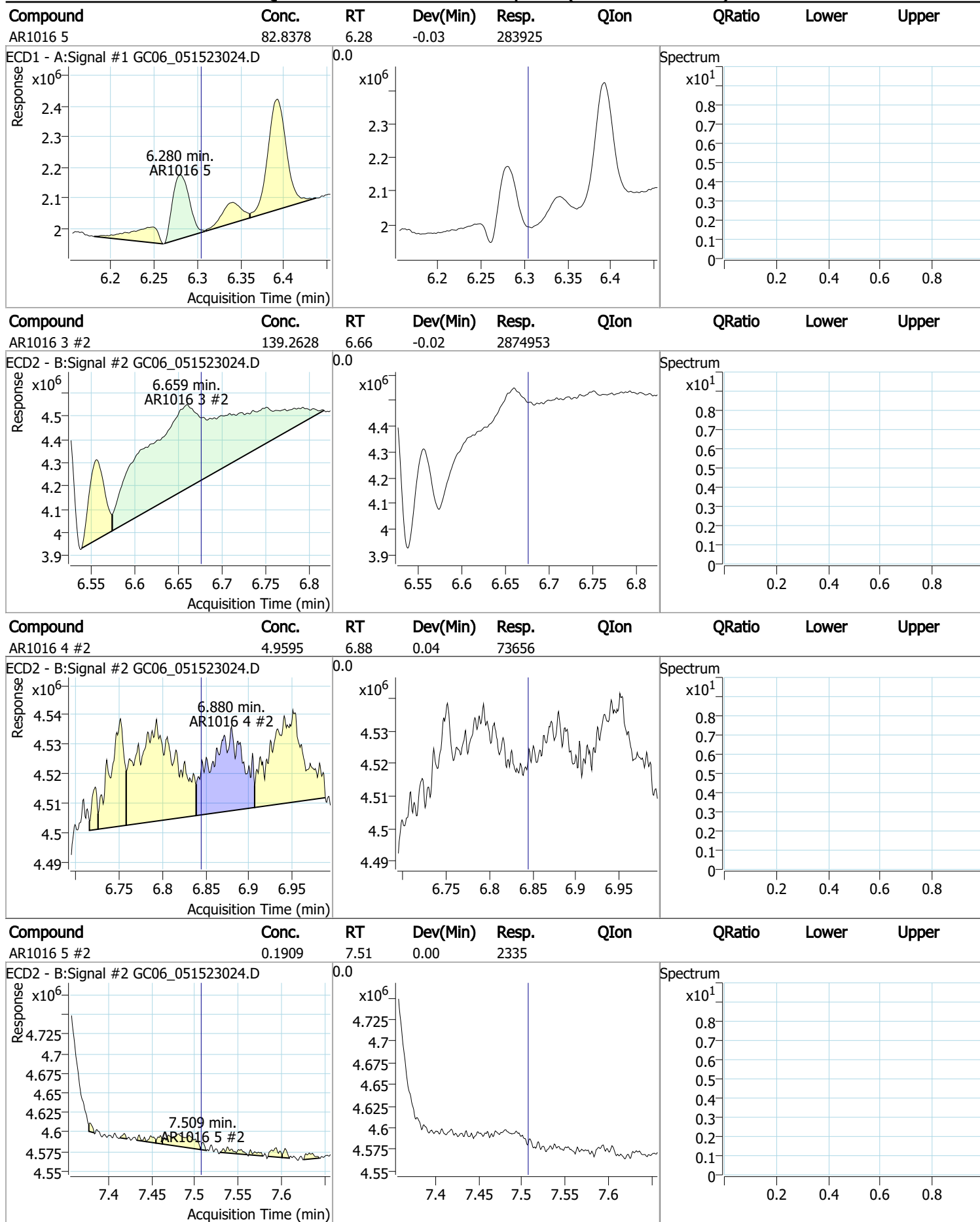
Quantitation Results Report (Not Reviewed)



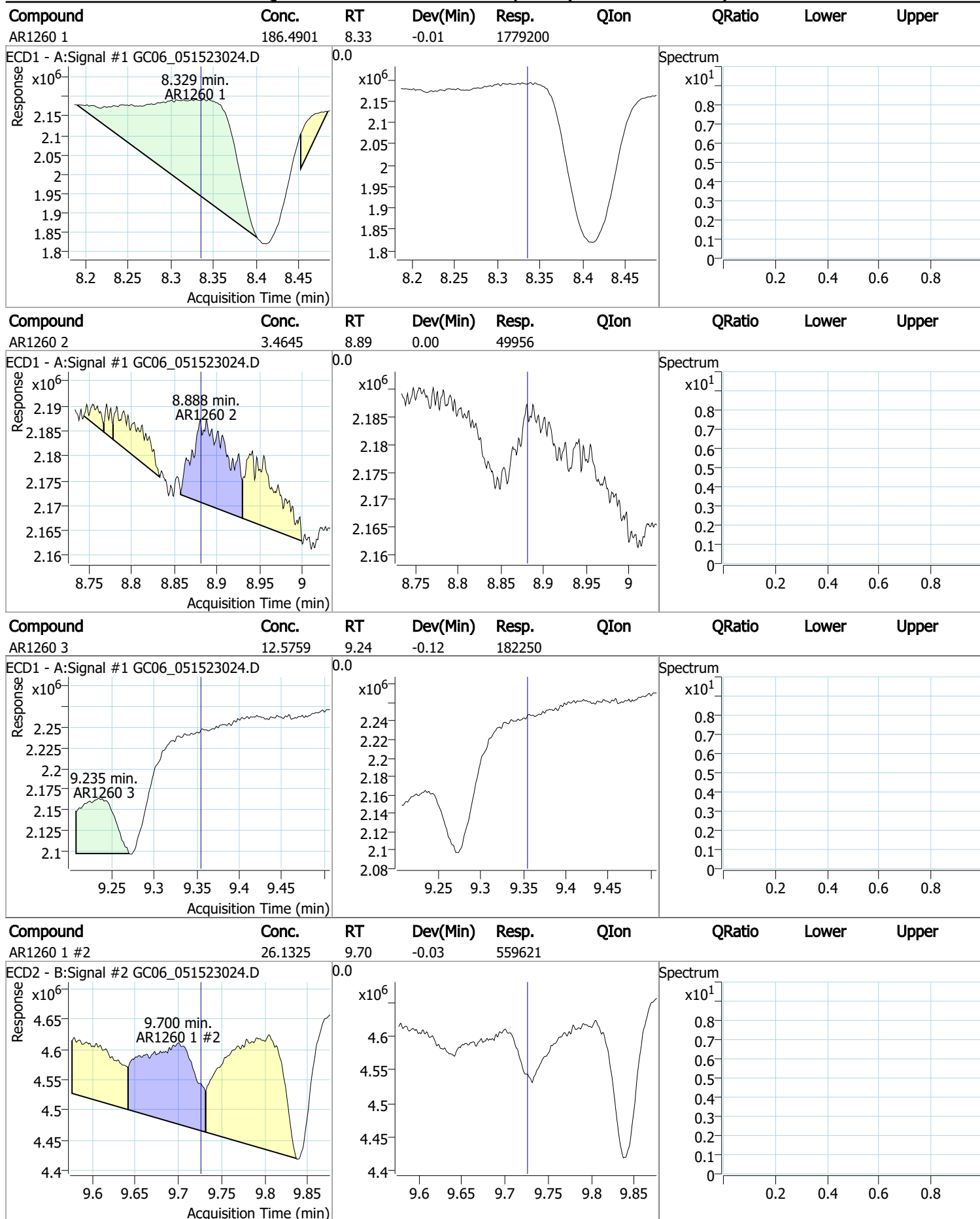
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



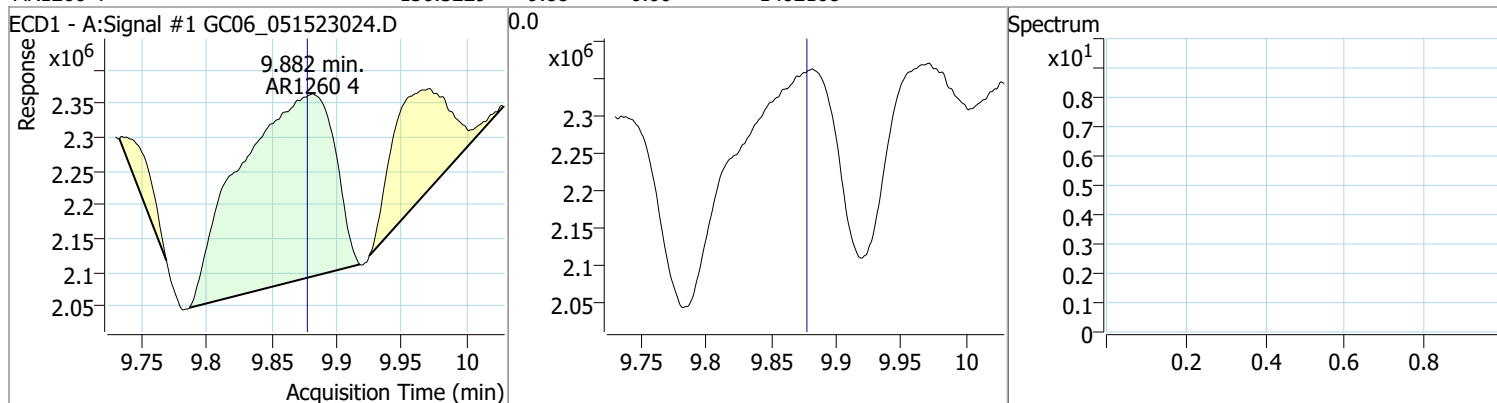
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

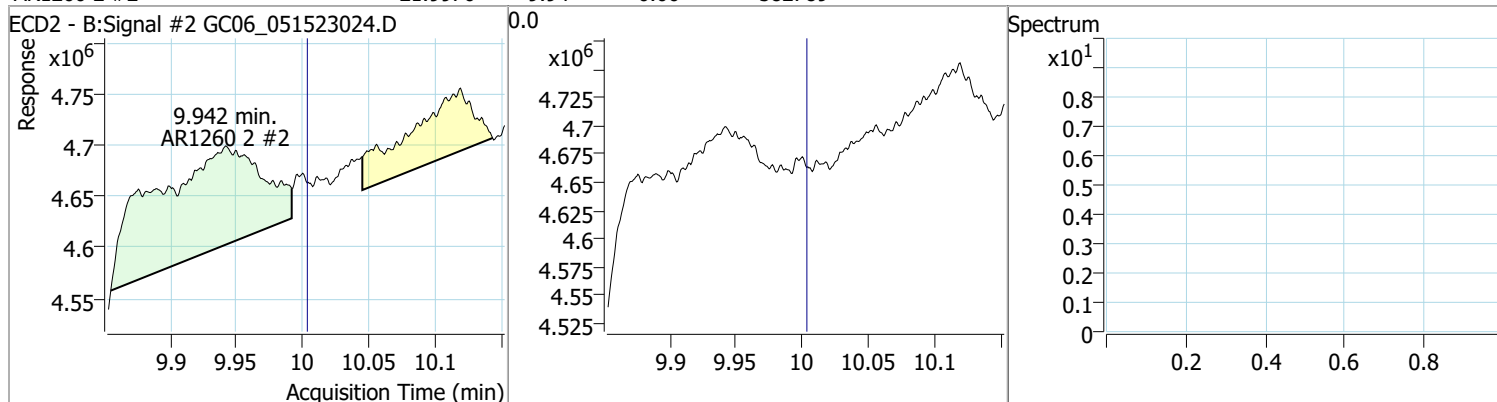
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 4 156.3229 9.88 0.00 1402108



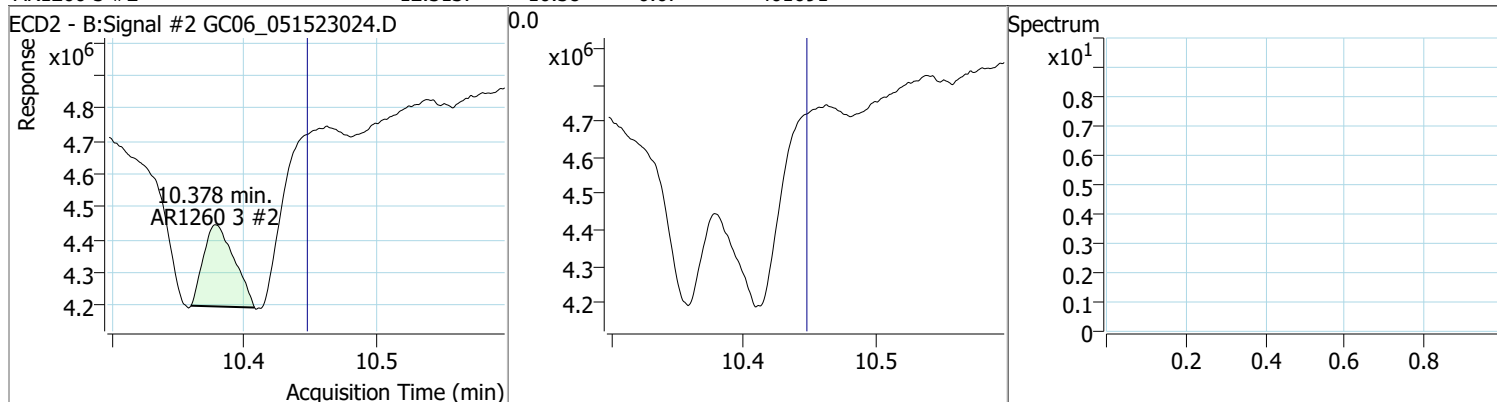
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 #2 21.9976 9.94 -0.06 582789



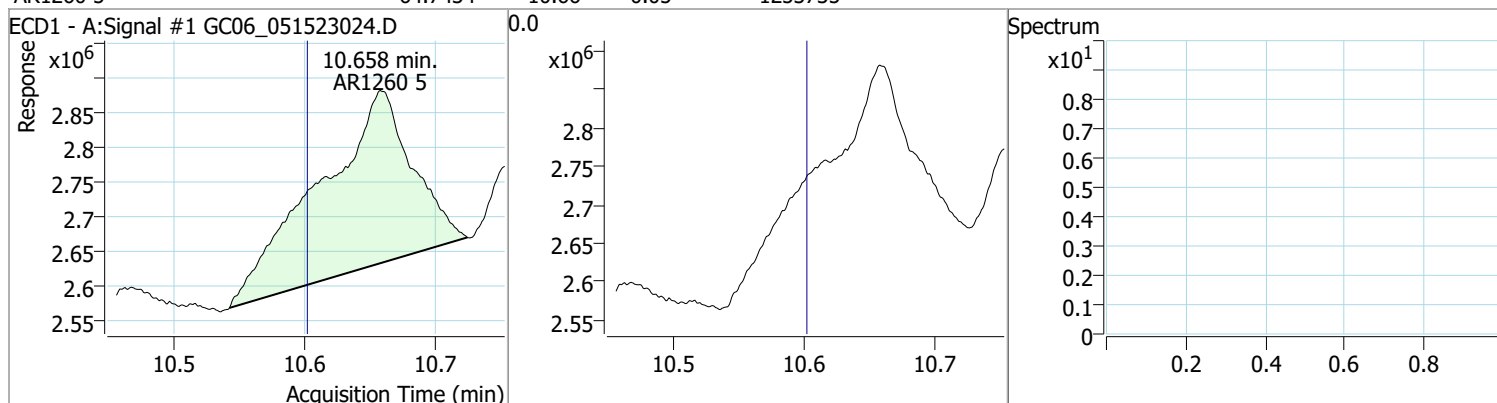
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 #2 12.3137 10.38 -0.07 401691

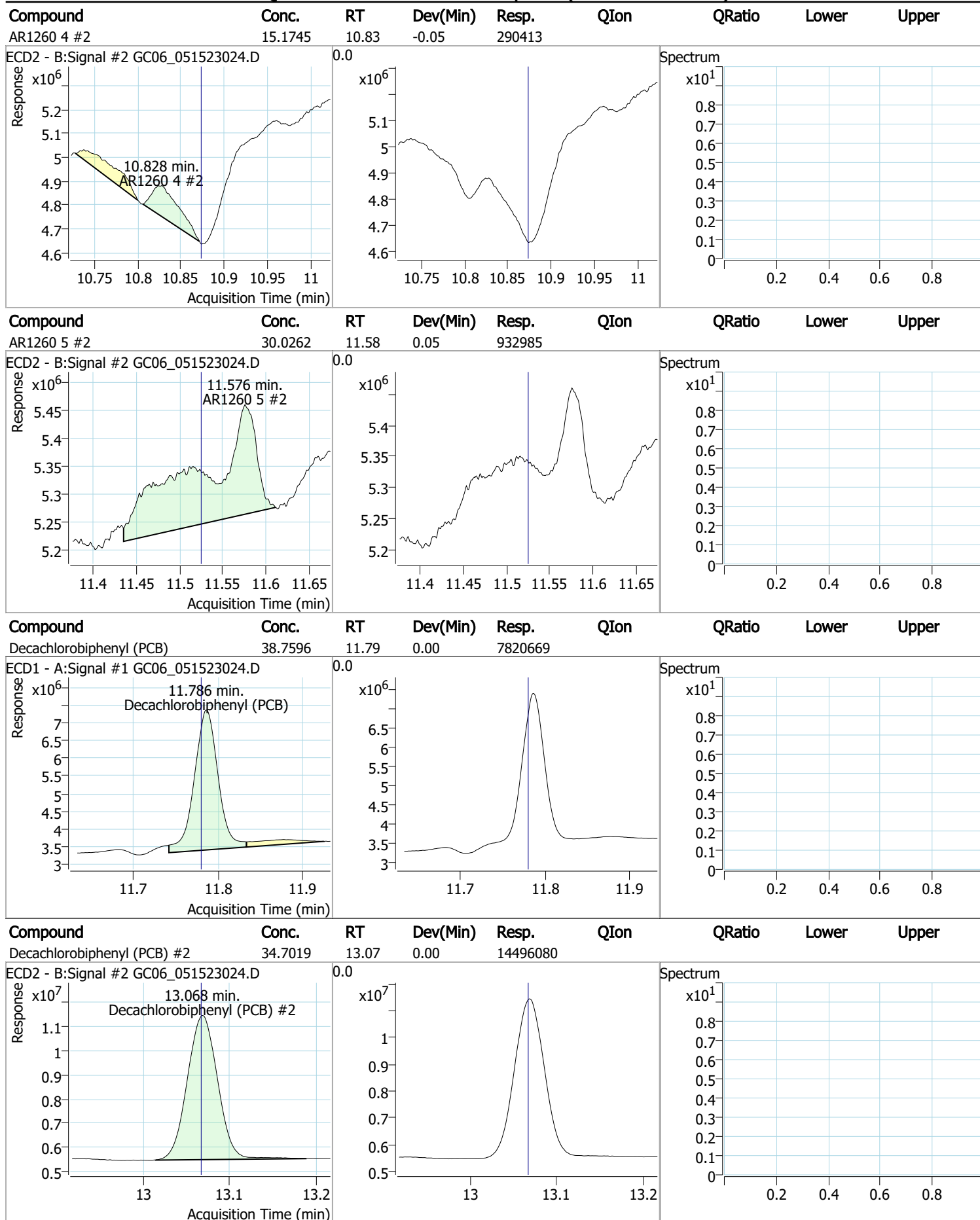


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 5 64.7434 10.66 0.05 1253735



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-008	Client ID: ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-LA
Seqnum: 453195120025	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523025	Batch: 313861	Time: 15-MAY-2023 20:06
Cal: 453140432001	Caldate: 07-APR-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	39.35	ND	0.42	6%	0.50		u
Aroclor-1016 Peak # 1	B	54.46	0.54	0.26	70%			
Aroclor-1016 Peak # 2	B	115.5	1.15	0.30	118%			
Aroclor-1016 Peak # 3	B	21.99	0.22	0.62	95%			
Aroclor-1016 Peak # 4	B	3.989	0.04	0.68	178%			
Aroclor-1016 Peak # 5	B	0.8179	0.01	0.24	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	17.34	ND	0.82	130%	0.50		u
Aroclor-1260 Peak # 1	B	15.14	0.15	1.82	169%			
Aroclor-1260 Peak # 2	B	27.54	0.28	0.04	151%			
Aroclor-1260 Peak # 3	B	12.56	0.13	0.03	114%			
Aroclor-1260 Peak # 4	B	11.48	0.11	1.59	173%			
Aroclor-1260 Peak # 5	B	19.98	0.20	0.62	102%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	36.21	0.5000	0.3621	72	19-121	u
Decachlorobiphenyl (PCB)	B	34.61	0.5000	0.3461	69	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, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	8183299	-10.25
1-bromo-2-nitrobenzene (PCB)	A	3337014	3077049	-7.79

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

U=Use

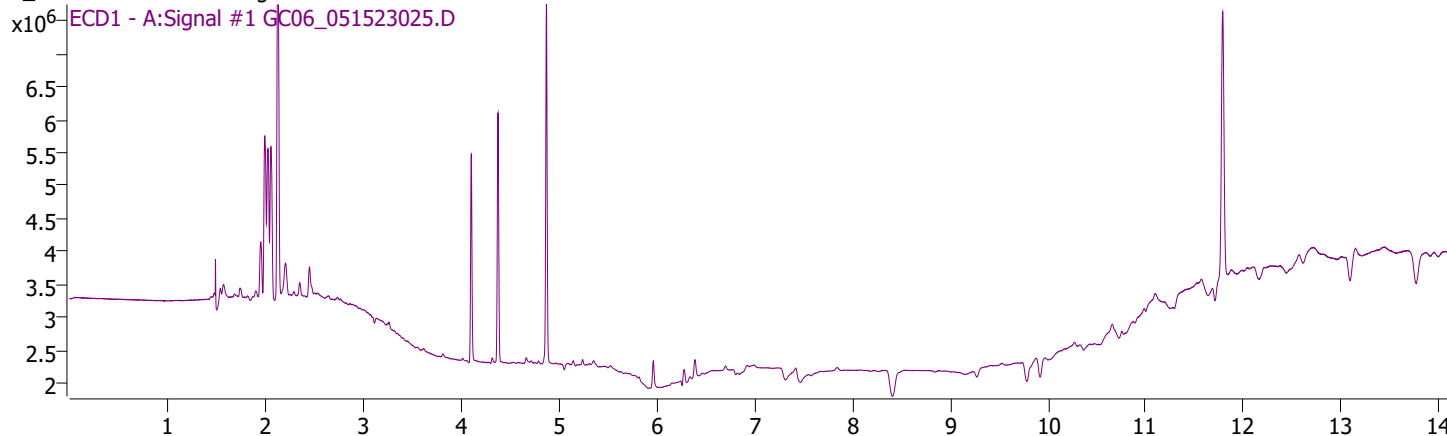
Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

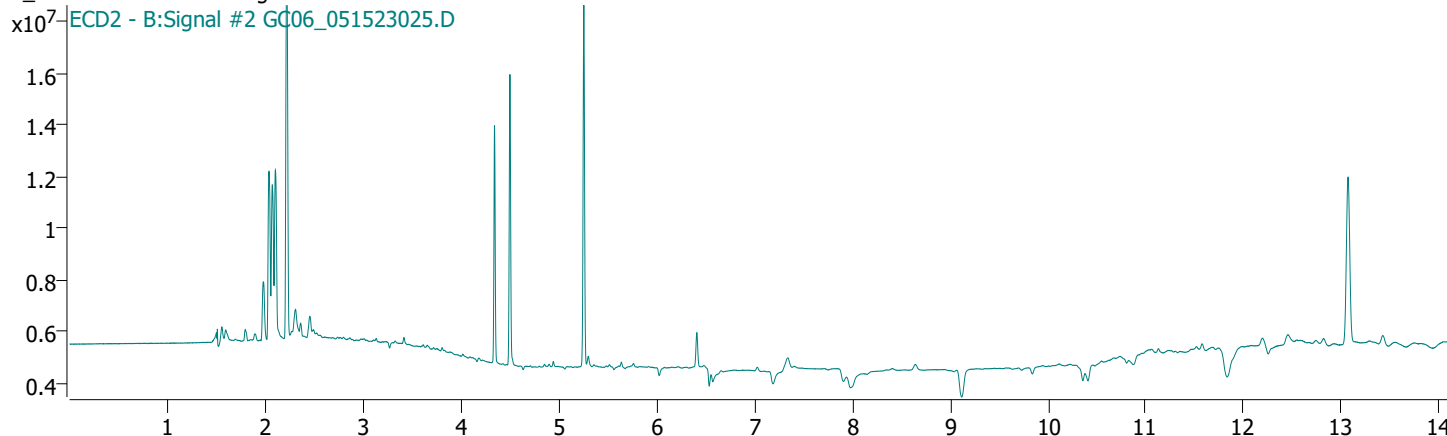
Quantitation Results Report (Not Reviewed)

Data File	GC06_051523025.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 8:06:13 PM
Sample Name	484907-008, 313861, 1	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			

GC06_051523025.D No MS Signals



GC06_051523025.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.106	0.0	3077048.55 2	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	8183298.55 4	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.873	0.0	5508677.58 2	35.0512	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 175.26%	*	
S TCMX (PCB) #2	5.256	0.0	14672143.7 25	36.2078	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.04%	*	
S Decachlorobiphenyl (PCB)	11.787	0.0	8602221.42 0	39.6719	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.36%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	15763420.1 29	34.6125	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.06%	*	

Target Compounds

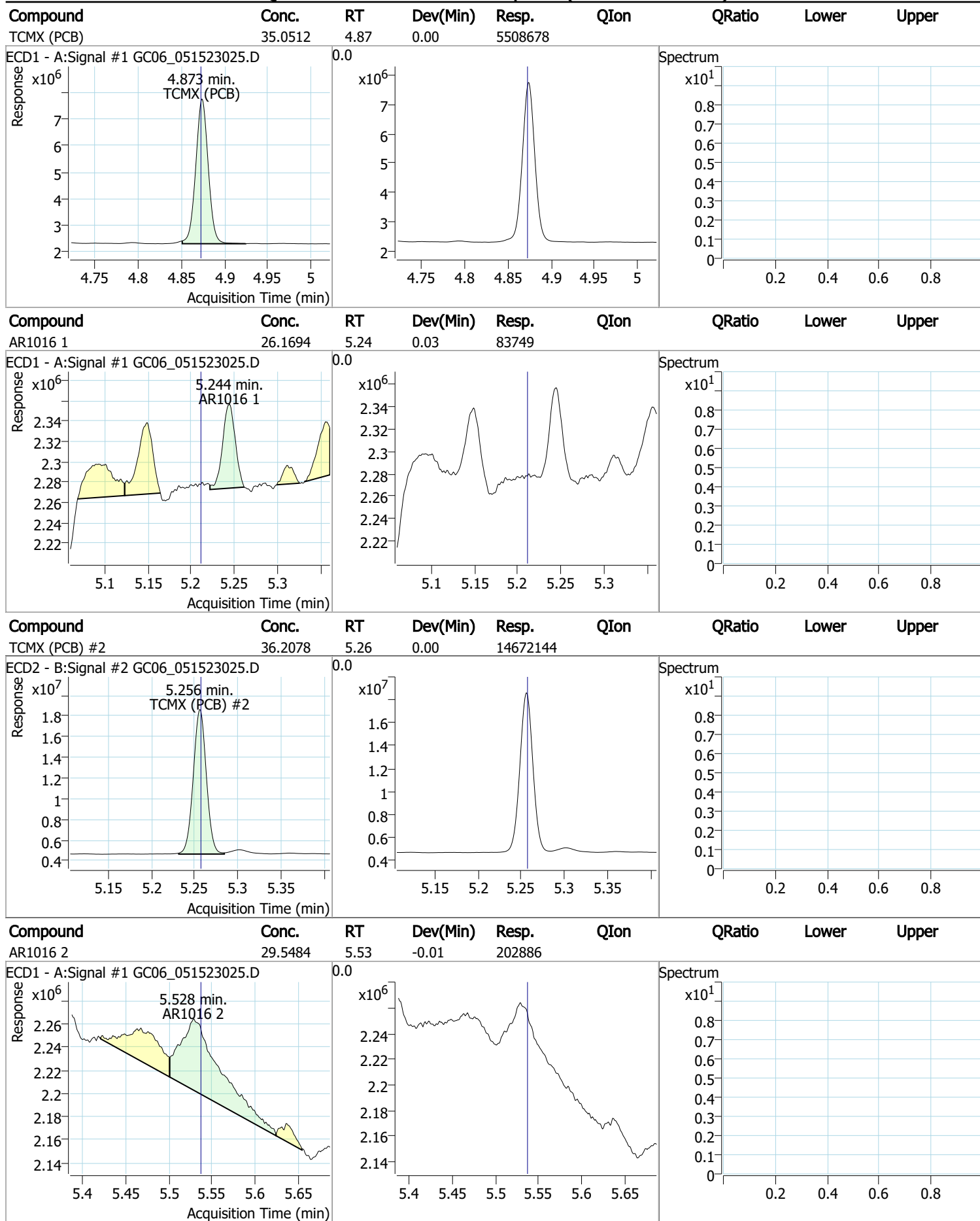
QValue

Quantitation Results Report (Not Reviewed)

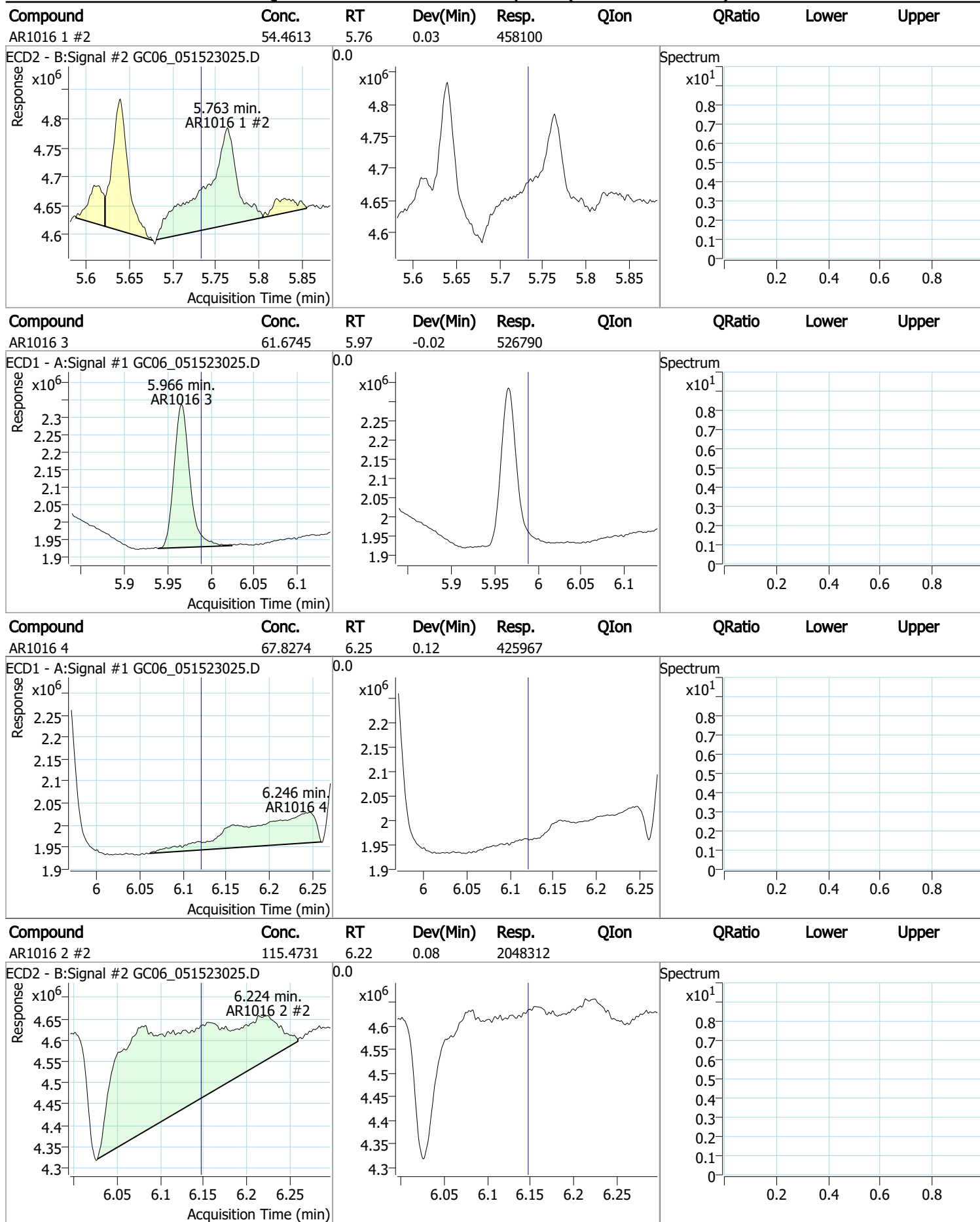
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.244	0.0	83749.207	26.1694	ng/ml	100
T AR1016 2	5.528	0.0	202885.816	29.5484	ng/ml	100
T AR1016 1 #2	5.763	0.0	458099.590	54.4613	ng/ml	100
T AR1016 3	5.966	0.0	526789.669	61.6745	ng/ml	100
T AR1016 4	6.246	0.0	425966.727	67.8274	ng/ml	100
T AR1016 2 #2	6.224	0.0	2048312.109	115.4731	ng/ml	100
T AR1016 5	6.281	0.0	89915.387	24.4116	ng/ml	100
T AR1016 3 #2	6.556	0.0	494969.434	21.9918	ng/ml	100
T AR1016 4 #2	6.878	0.0	64596.528	3.9895	ng/ml	100
T AR1016 5 #2	7.487	0.0	10905.831	0.8179	ng/ml	100
T AR1260 1	8.342	0.0	1869586.667	182.3535	ng/ml	100
T AR1260 2	8.885	0.0	58921.209	3.8025	ng/ml	100
T AR1260 3	9.242	0.0	53287.889	3.4217	ng/ml	100
T AR1260 1 #2	9.700	0.0	353432.628	15.1382	ng/ml	100
T AR1260 4	9.881	0.0	1530003.871	158.7344	ng/ml	100
T AR1260 2 #2	9.949	0.0	795384.051	27.5372	ng/ml	100
T AR1260 3 #2	10.379	0.0	446881.312	12.5651	ng/ml	100
T AR1260 5	10.658	0.0	1287947.987	61.8907	ng/ml	100
T AR1260 4 #2	10.826	0.0	239638.335	11.4850	ng/ml	100
T AR1260 5 #2	11.518	0.0	676773.869	19.9778	ng/ml	100

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

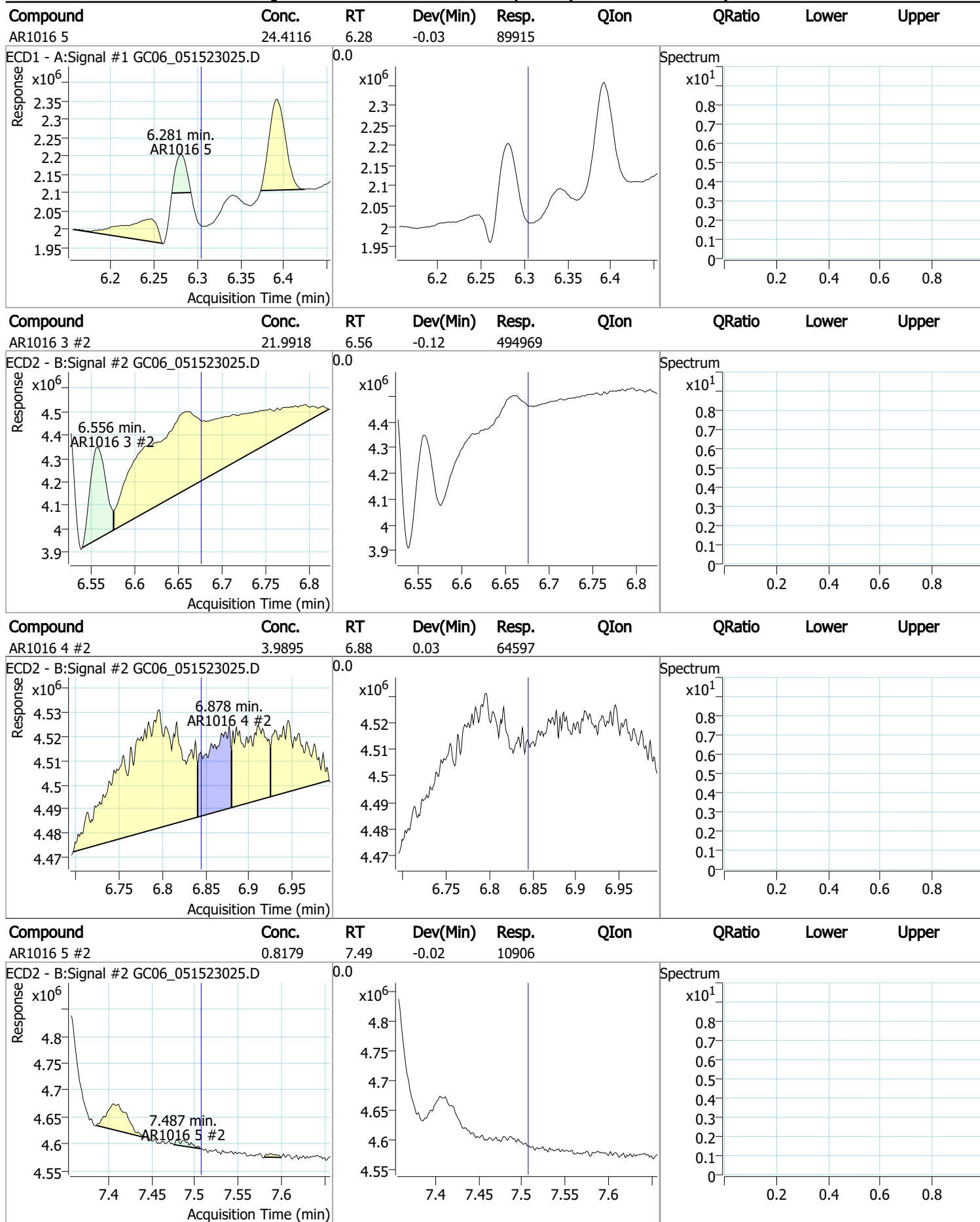
Quantitation Results Report (Not Reviewed)



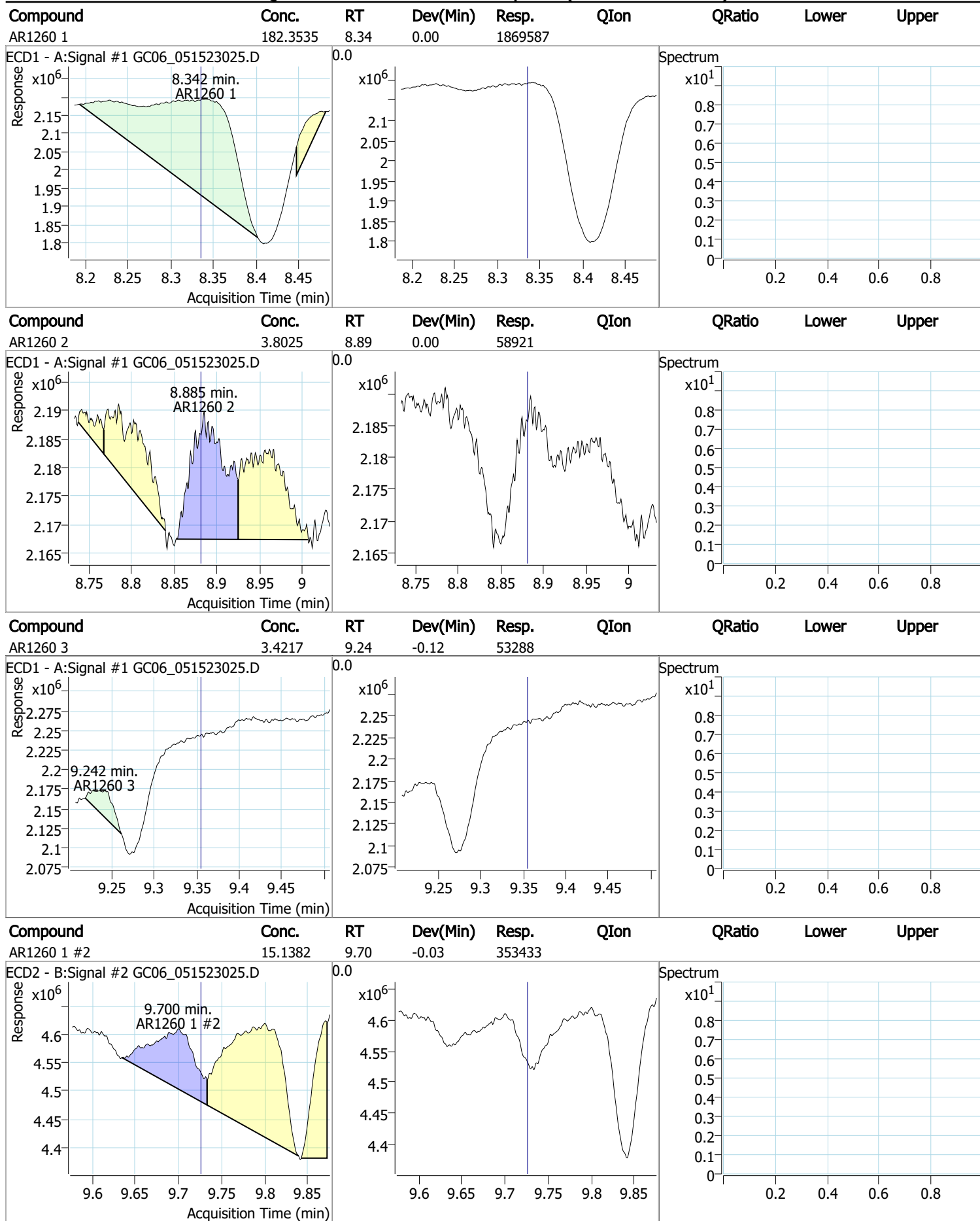
Quantitation Results Report (Not Reviewed)



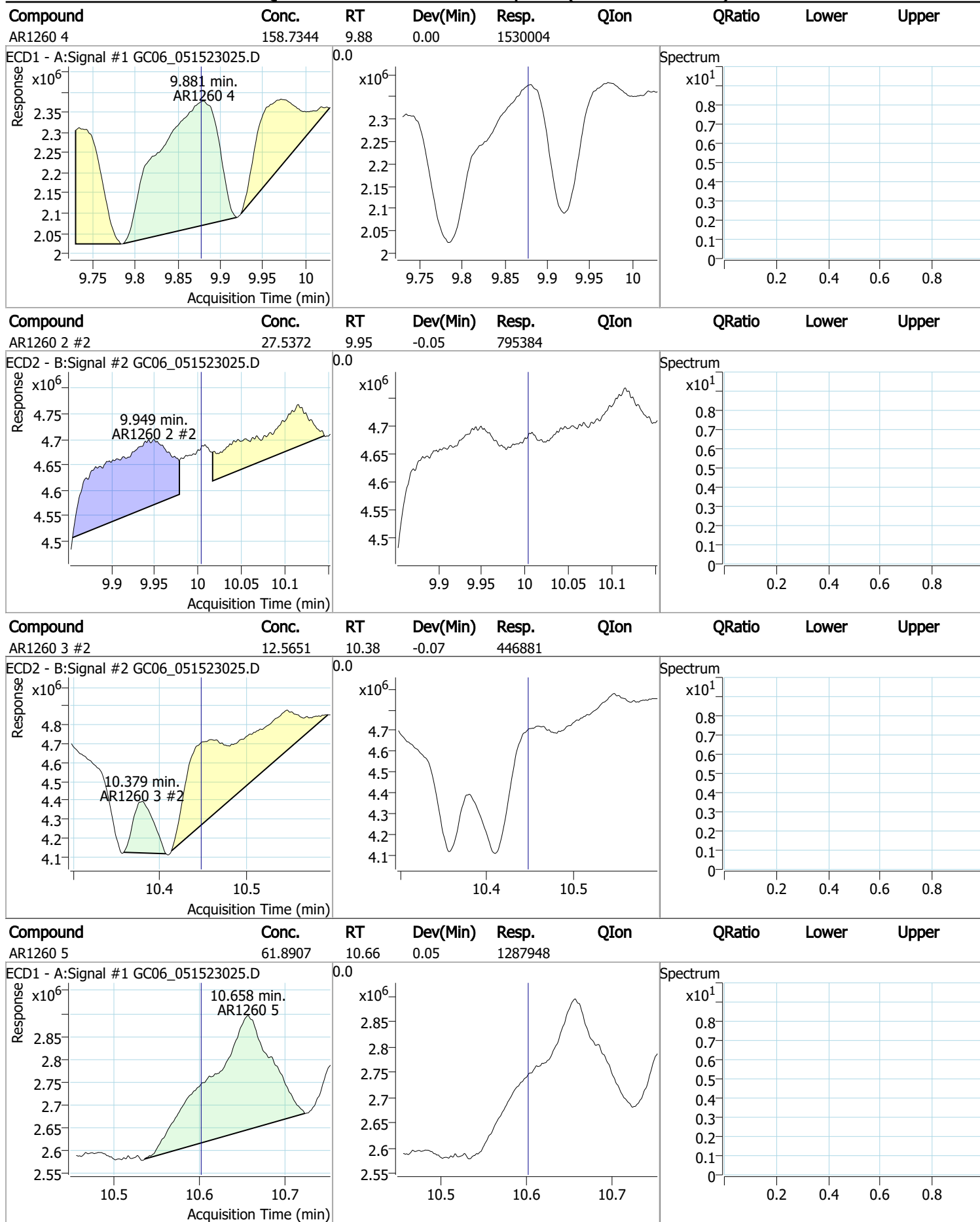
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Quantitation Results Report (Not Reviewed)

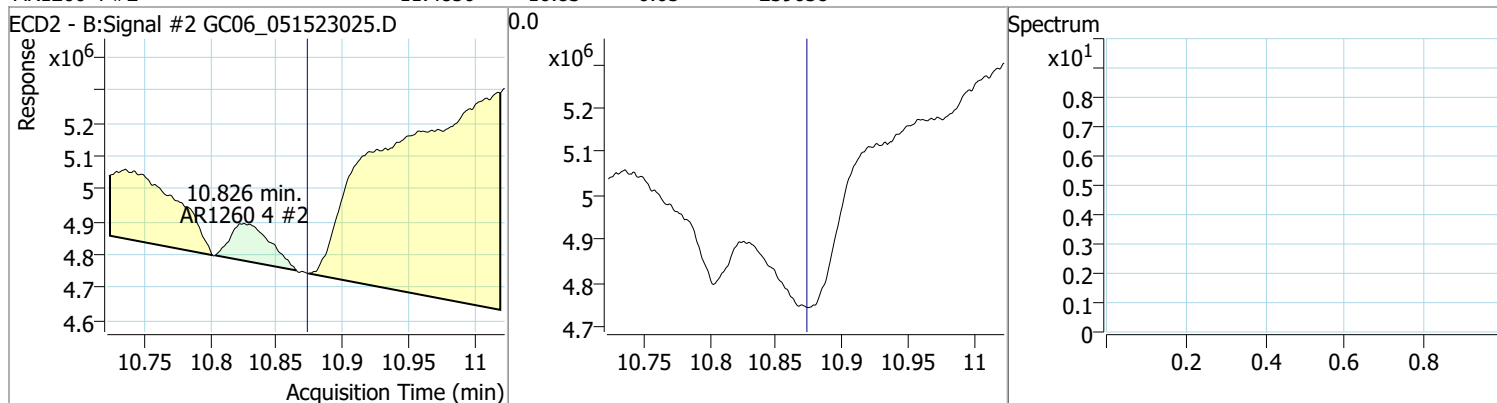


Quantitation Results Report (Not Reviewed)

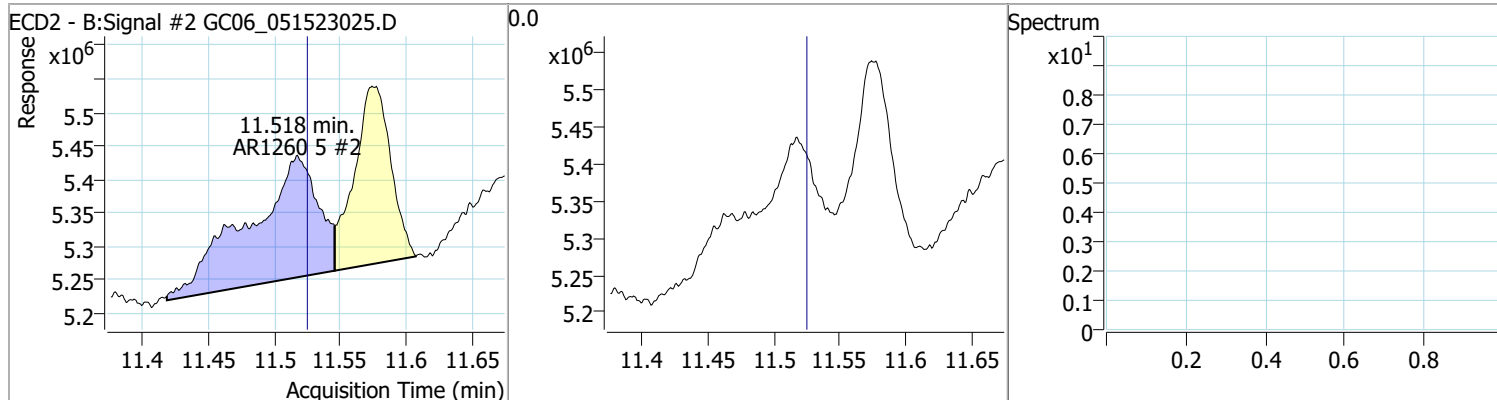


Quantitation Results Report (Not Reviewed)

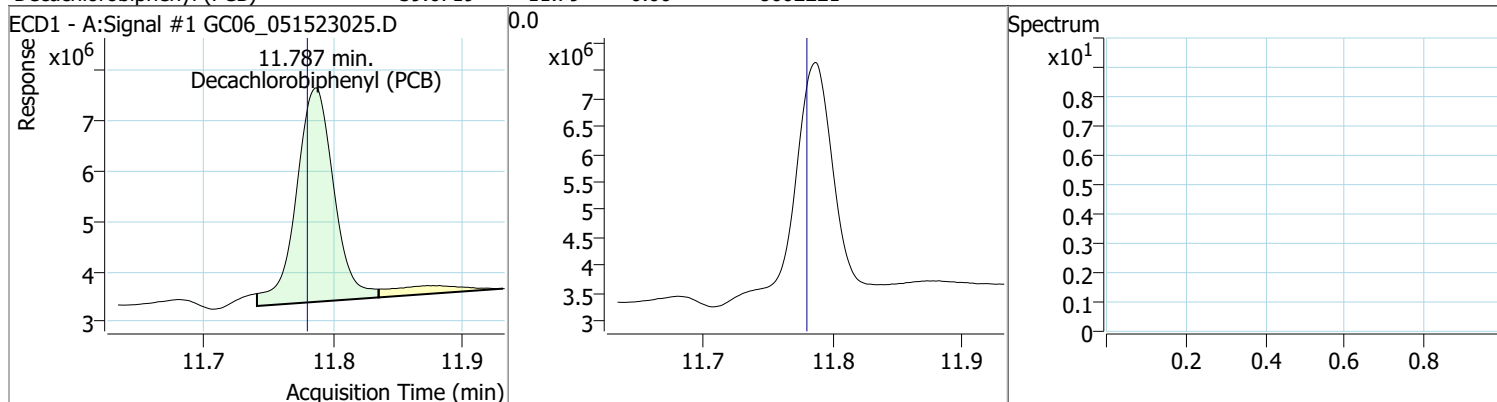
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	11.4850	10.83	-0.05	239638				



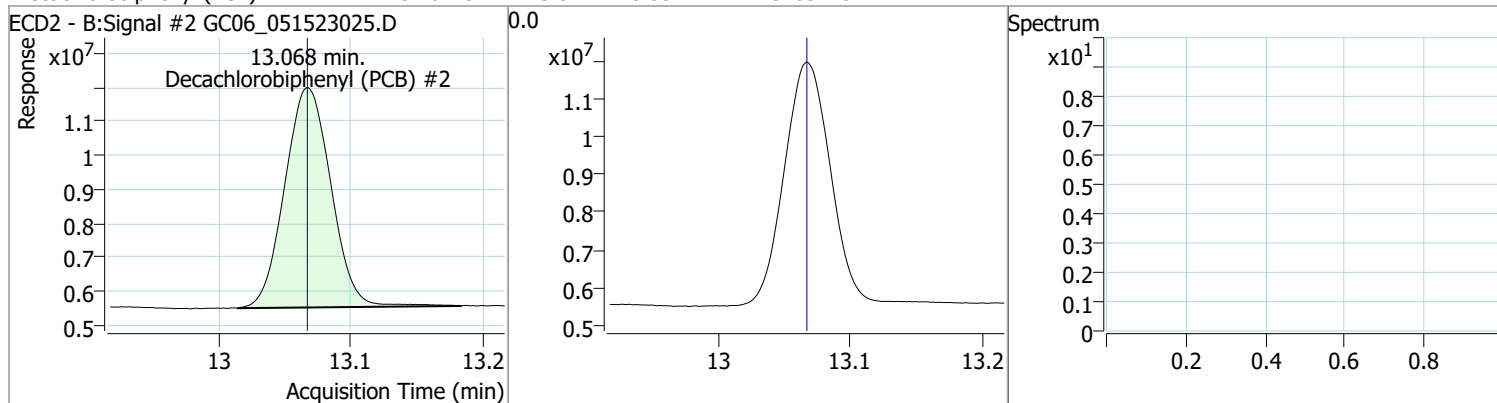
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	19.9778	11.52	-0.01	676774				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.6719	11.79	0.00	8602221				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.6125	13.07	0.00	15763420				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-009	Client ID: ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-DUP-LA
Seqnum: 453195120026	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523026	Batch: 313861	Time: 15-MAY-2023 20:25
Cal: 453140432001	Caldate: 07-APR-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	66.58	0.67 ^{FP}	0.57	16%	0.50		X U
Aroclor-1016 Peak # 1	B	77.51	0.78	0.10	154%			
Aroclor-1016 Peak # 2	B	125.0	1.25	0.38	107%			
Aroclor-1016 Peak # 3	B	124.2	1.24	0.76	49%			
Aroclor-1016 Peak # 4	B	4.452	0.04	0.78	178%			
Aroclor-1016 Peak # 5	B	1.753	0.02	0.83	192%			
Aroclor-1221	B		ND			0.50		U
Aroclor-1232	B		ND			0.50		U
Aroclor-1242	B		ND			0.50		U
Aroclor-1248	B		ND			0.50		U
Aroclor-1254	B		ND			0.50		U
Aroclor-1260	B	17.47	ND	0.88	134%	0.50		U
Aroclor-1260 Peak # 1	B	11.74	0.12	1.92	177%			
Aroclor-1260 Peak # 2	B	32.41	0.32	0.04	158%			
Aroclor-1260 Peak # 3	B	12.98	0.13	0.14	5%			
Aroclor-1260 Peak # 4	B	10.06	0.10	1.65	177%			
Aroclor-1260 Peak # 5	B	20.16	0.20	0.64	104%			
Aroclor-1262	B		ND			0.50		U
Aroclor-1268	B		ND			0.50		U

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.45	0.5000	0.3745	75	19-121	U
Decachlorobiphenyl (PCB)	B	33.77	0.5000	0.3377	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, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7810938	-14.33
1-bromo-2-nitrobenzene (PCB)	A	3337014	2983504	-10.59

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

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

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

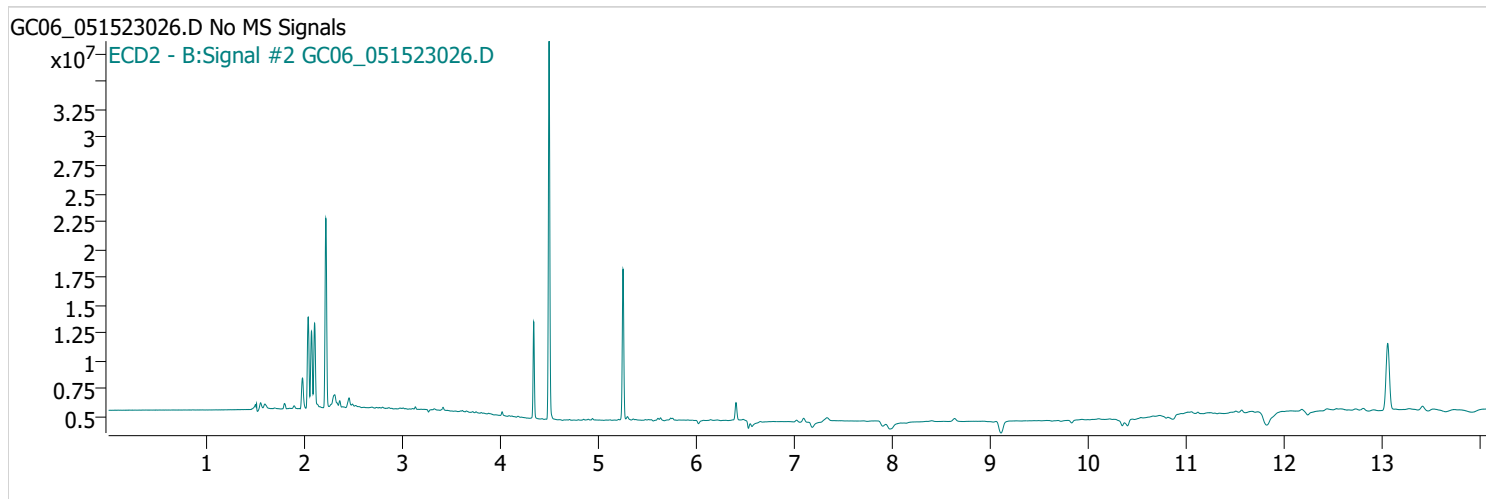
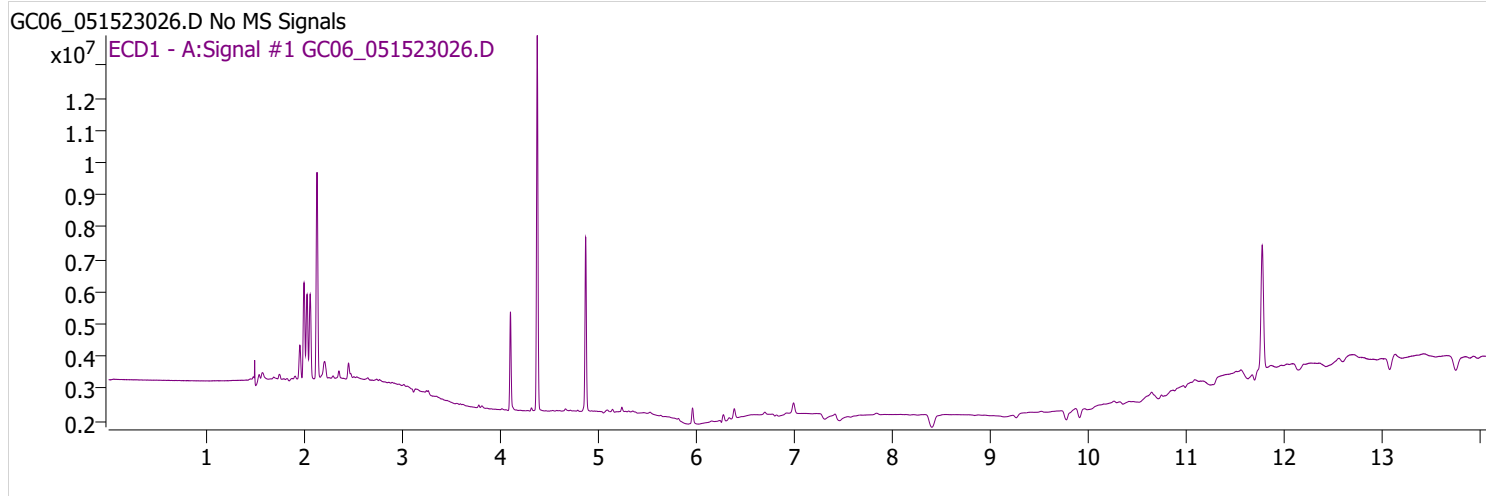
ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

u=use x=false positive

Analyst: TJW 05/16/23 **Reviewer:** MTS 05/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_051523026.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 8:25:10 PM
Sample Name	484907-009, 313861, 1	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.106	0.0	2983504.31 5	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	7810937.86 5	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.874	0.0	5415531.66 8	35.5389	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.69%	*	
S TCMX (PCB) #2	5.256	0.0	14485155.0 16	37.4505	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.25%	*	
S Decachlorobiphenyl (PCB)	11.786	0.0	8480831.60 3	40.3384	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 201.69%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	14679758.5 42	33.7696	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.85%	*	

Target Compounds

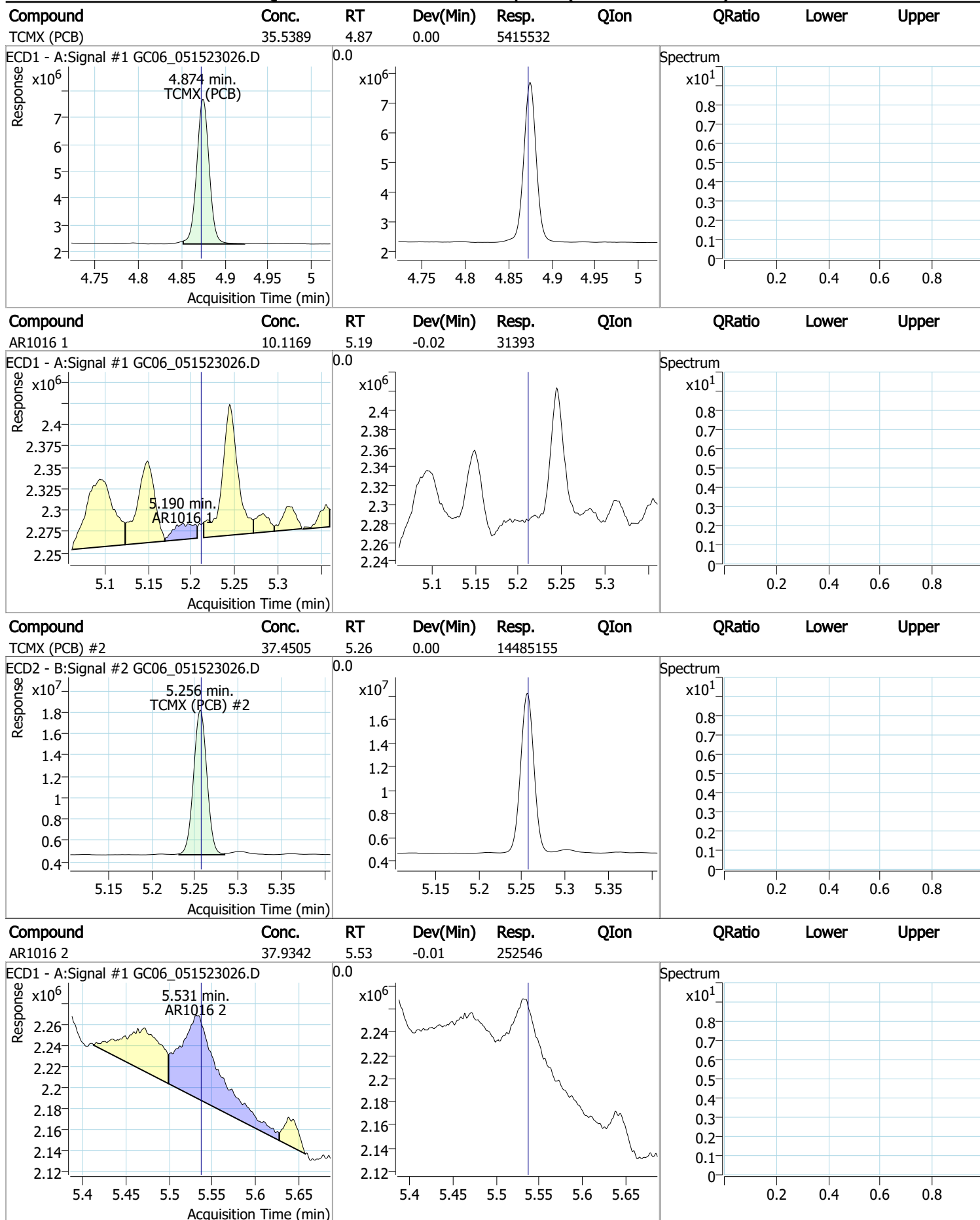
QValue

Quantitation Results Report (Not Reviewed)

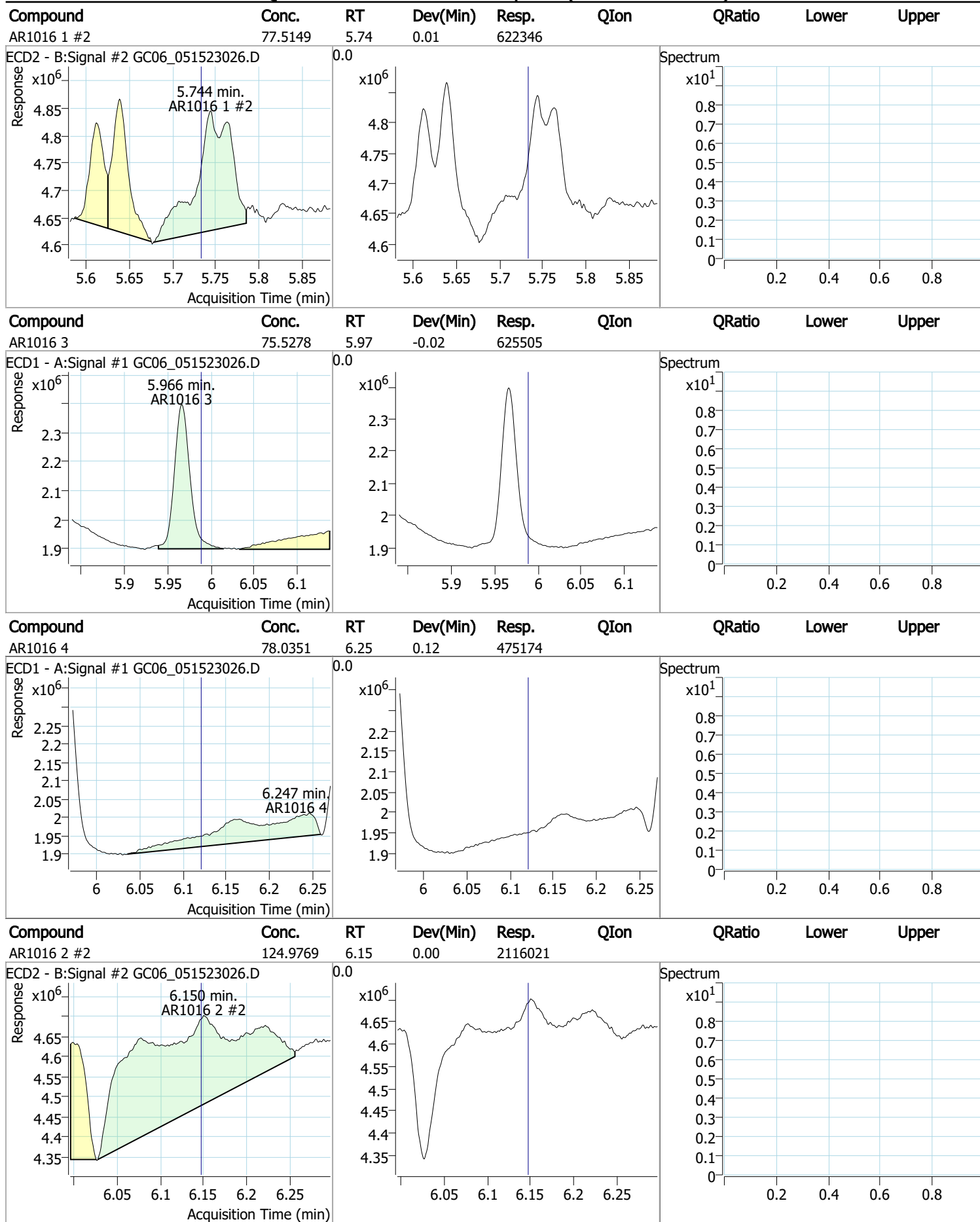
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.190	0.0	31392.506	10.1169	ng/ml	100
T AR1016 2	5.531	0.0	252546.143	37.9342	ng/ml	100
T AR1016 1 #2	5.744	0.0	622346.221	77.5149	ng/ml	100
T AR1016 3	5.966	0.0	625505.178	75.5278	ng/ml	100
T AR1016 4	6.247	0.0	475174.217	78.0351	ng/ml	100
T AR1016 2 #2	6.150	0.0	2116020.619	124.9769	ng/ml	100
T AR1016 5	6.282	0.0	297181.720	83.2130	ng/ml	100
T AR1016 3 #2	6.789	0.0	2668428.138	124.2121	ng/ml	100
T AR1016 4 #2	6.865	0.0	68812.188	4.4525	ng/ml	100
T AR1016 5 #2	7.486	0.0	22310.784	1.7531	ng/ml	100
T AR1260 1	8.339	0.0	1910849.177	192.2217	ng/ml	100
T AR1260 2	8.888	0.0	57133.734	3.8027	ng/ml	100
T AR1260 3	9.236	0.0	205737.658	13.6248	ng/ml	100
T AR1260 1 #2	9.703	0.0	261677.075	11.7424	ng/ml	100
T AR1260 4	9.881	0.0	1544363.850	165.2479	ng/ml	100
T AR1260 2 #2	9.946	0.0	893412.220	32.4056	ng/ml	100
T AR1260 3 #2	10.378	0.0	440668.626	12.9811	ng/ml	100
T AR1260 5	10.657	0.0	1285278.649	63.6989	ng/ml	100
T AR1260 4 #2	10.826	0.0	200257.528	10.0552	ng/ml	100
T AR1260 5 #2	11.515	0.0	651928.119	20.1618	ng/ml	100

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

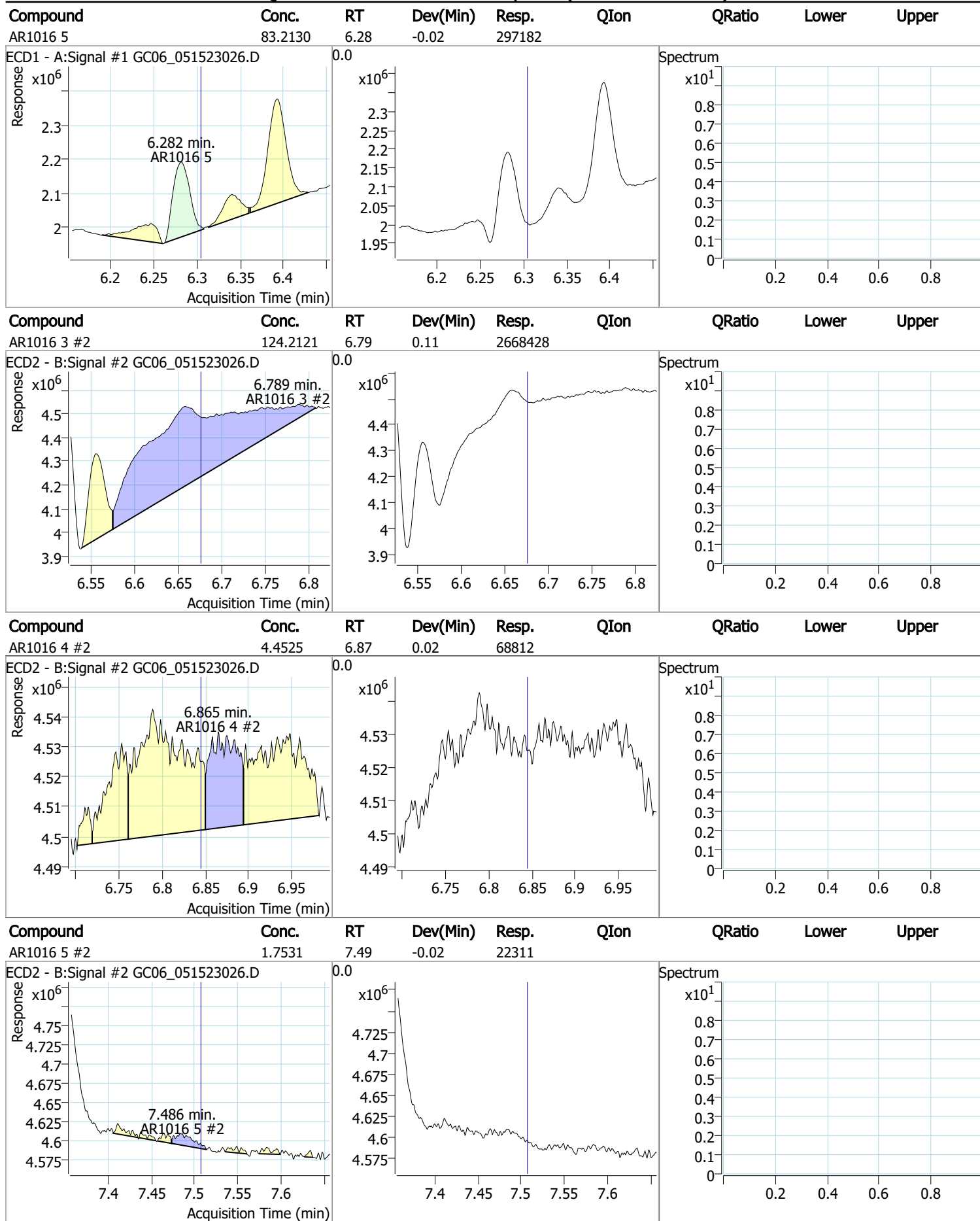
Quantitation Results Report (Not Reviewed)



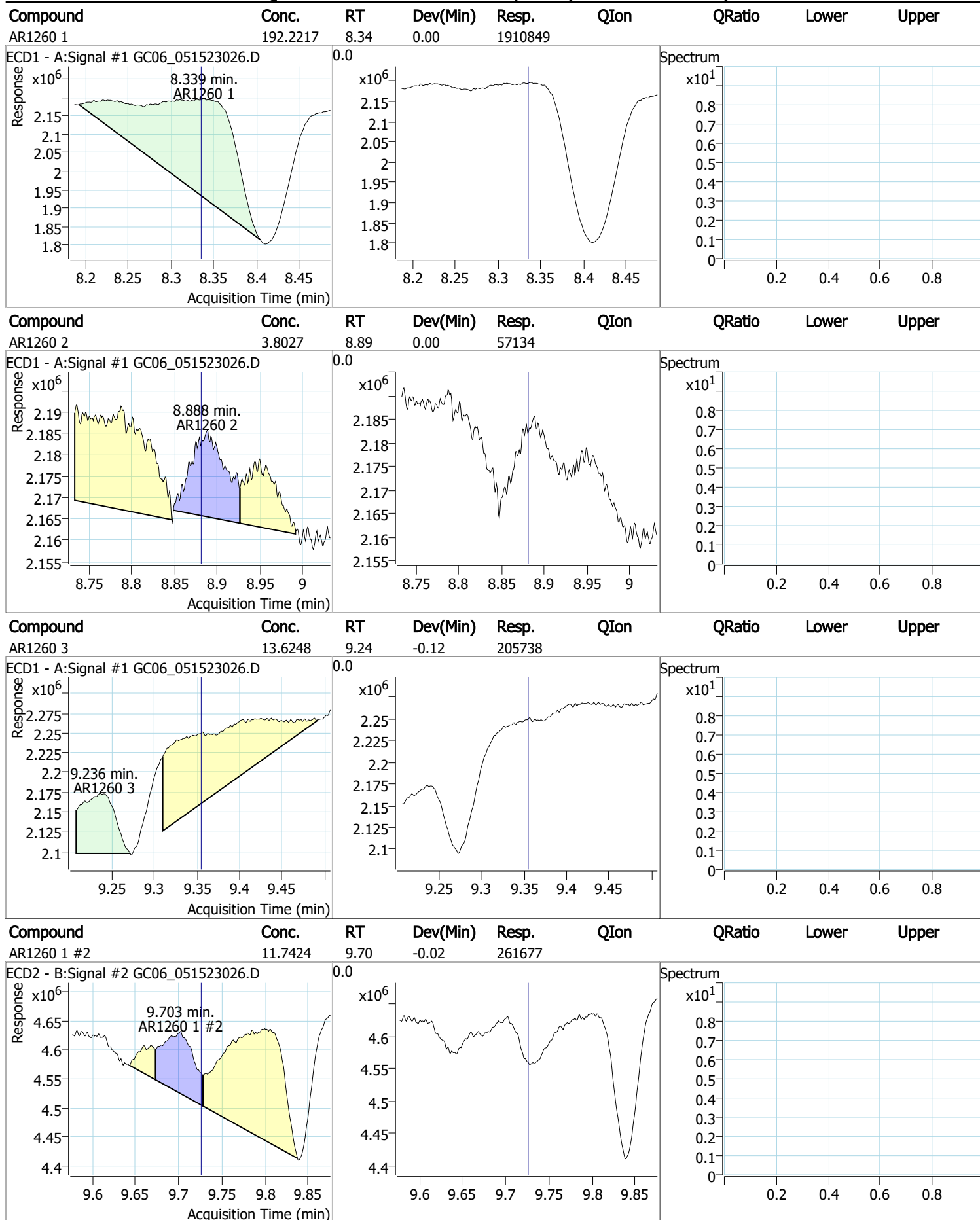
Quantitation Results Report (Not Reviewed)



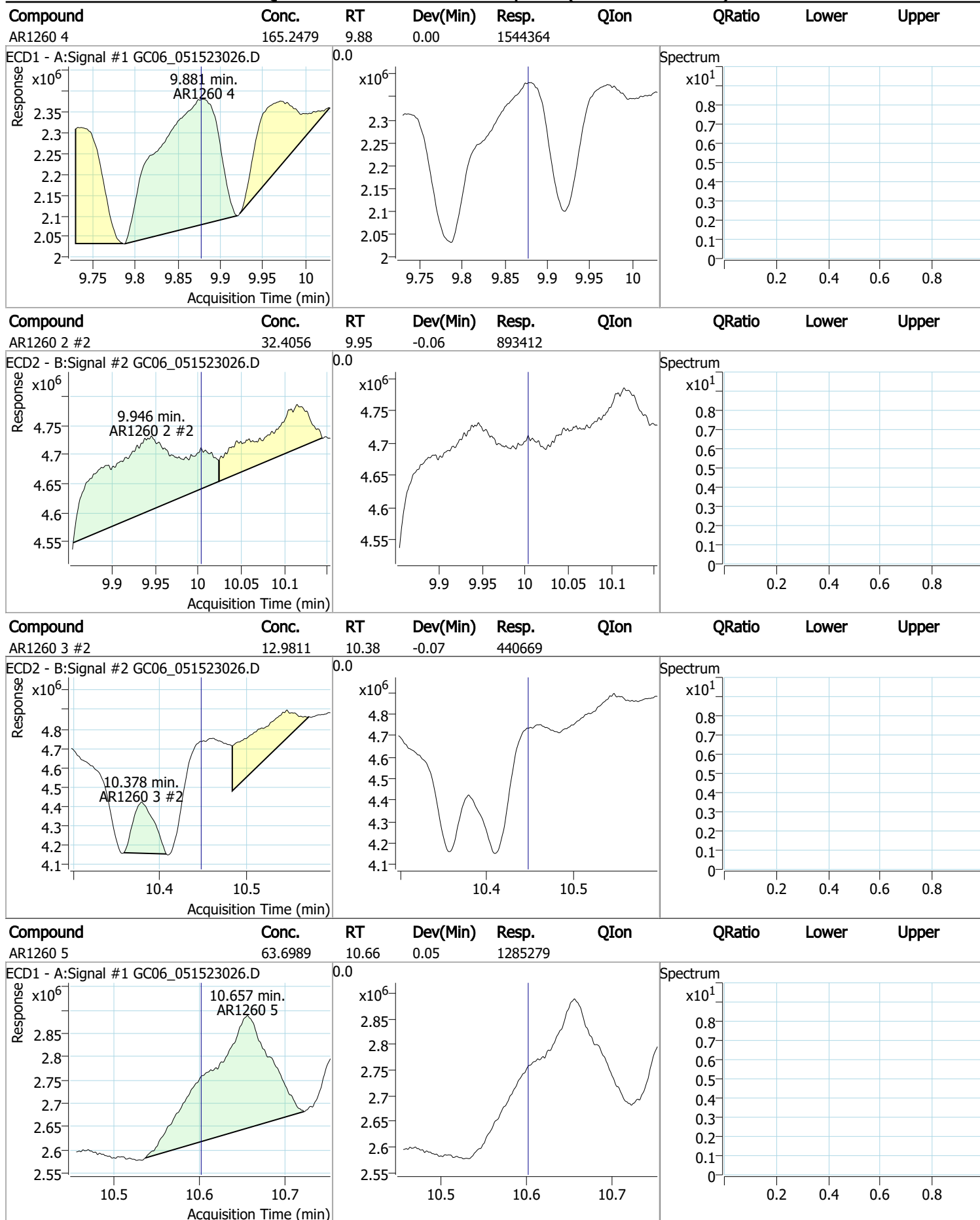
Quantitation Results Report (Not Reviewed)



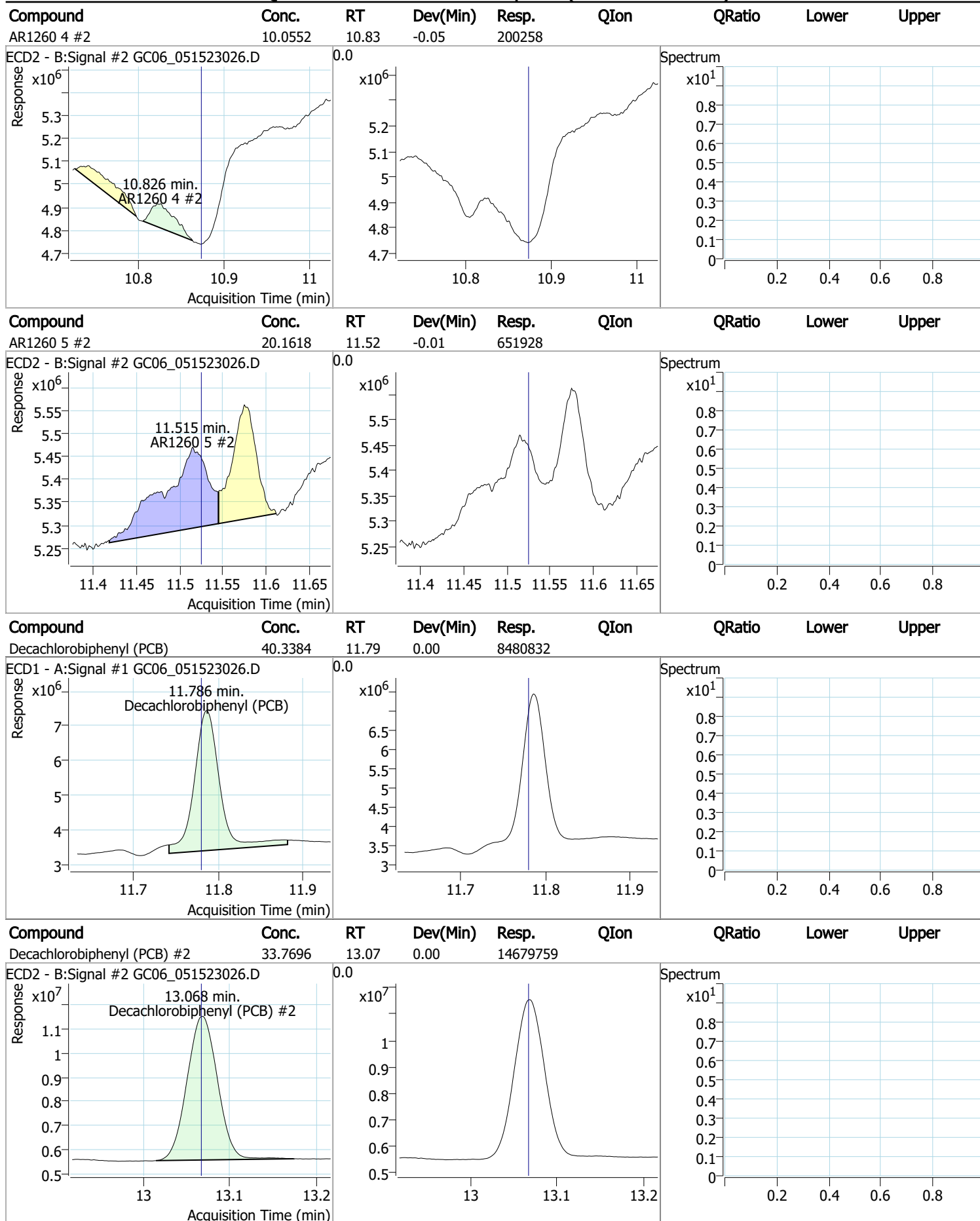
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-011	Client ID: ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-LA
Seqnum: 453195120027	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523027	Batch: 313861	Time: 15-MAY-2023 20:43
Cal: 453140432001	Caldate: 07-APR-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	63.36	0.63 ^{FP}	0.88	32%	0.50		X U
Aroclor-1016 Peak # 1	B	47.48	0.47	0.60	23%			
Aroclor-1016 Peak # 2	B	100.1	1.00	0.34	100%			
Aroclor-1016 Peak # 3	B	156.8	1.57	2.76	55%			
Aroclor-1016 Peak # 4	B	9.393	0.09	0.09	8%			
Aroclor-1016 Peak # 5	B	2.979	0.03	0.61	181%			
Aroclor-1221	B		ND			0.50		U
Aroclor-1232	B		ND			0.50		U
Aroclor-1242	B		ND			0.50		U
Aroclor-1248	B		ND			0.50		U
Aroclor-1254	B		ND			0.50		U
Aroclor-1260	B	17.26	ND	0.83	131%	0.50		U
Aroclor-1260 Peak # 1	B	15.24	0.15	1.76	168%			
Aroclor-1260 Peak # 2	B	23.83	0.24	0.03	159%			
Aroclor-1260 Peak # 3	B	11.04	0.11	0.06	63%			
Aroclor-1260 Peak # 4	B	10.59	0.11	1.59	175%			
Aroclor-1260 Peak # 5	B	25.58	0.26	0.69	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	34.79	0.5000	0.3479	70	19-121	U
Decachlorobiphenyl (PCB)	B	31.48	0.5000	0.3148	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, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7444229	-18.35
1-bromo-2-nitrobenzene (PCB)	A	3337014	2937957	-11.96

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

u=use x=false positive

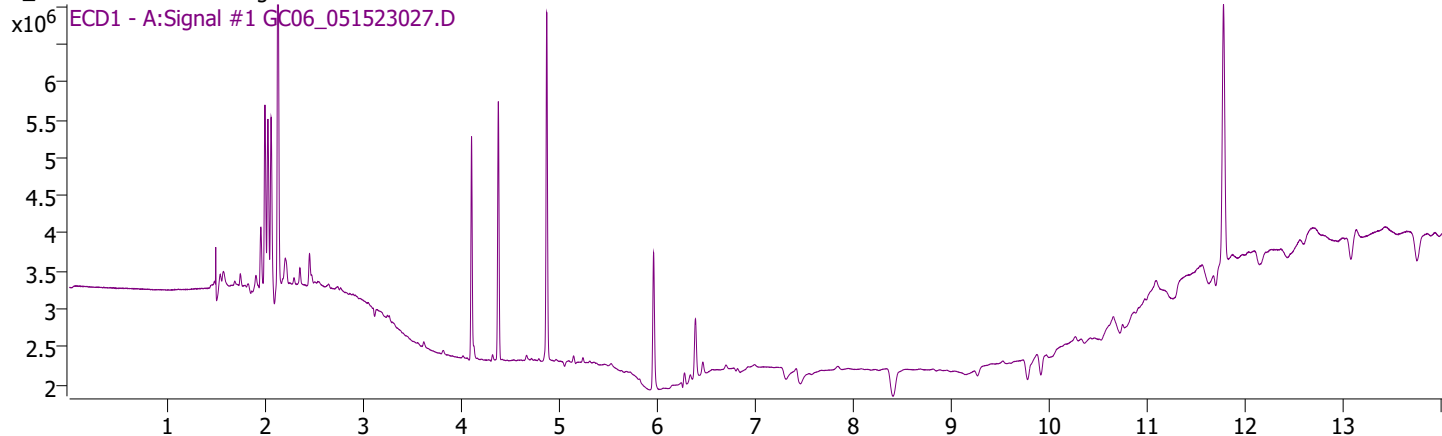
Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

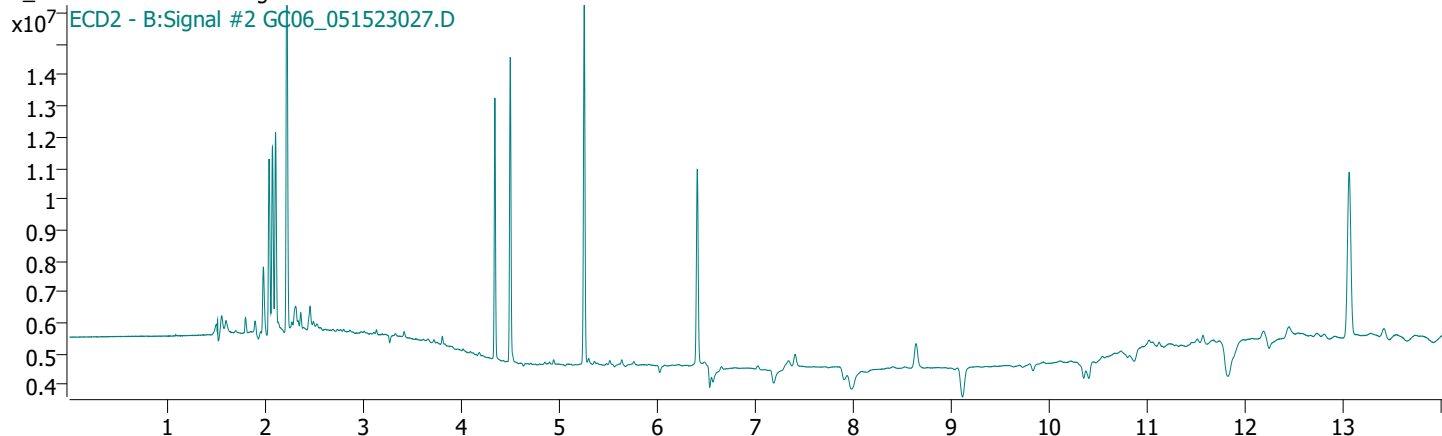
Quantitation Results Report (Not Reviewed)

Data File	GC06_051523027.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 8:43:50 PM
Sample Name	484907-011, 313861, 1	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			

GC06_051523027.D No MS Signals



GC06_051523027.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.105	0.0	2937956.93 8	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	7444229.47 2	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.873	0.0	4707837.16 8	31.3737	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.87%	*	
S TCMX (PCB) #2	5.256	0.0	12823206.2 42	34.7868	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.93%	*	
S Decachlorobiphenyl (PCB)	11.784	0.0	7075295.58 3	34.1748	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.87%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	13041788.2 91	31.4795	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.40%	*	

Target Compounds

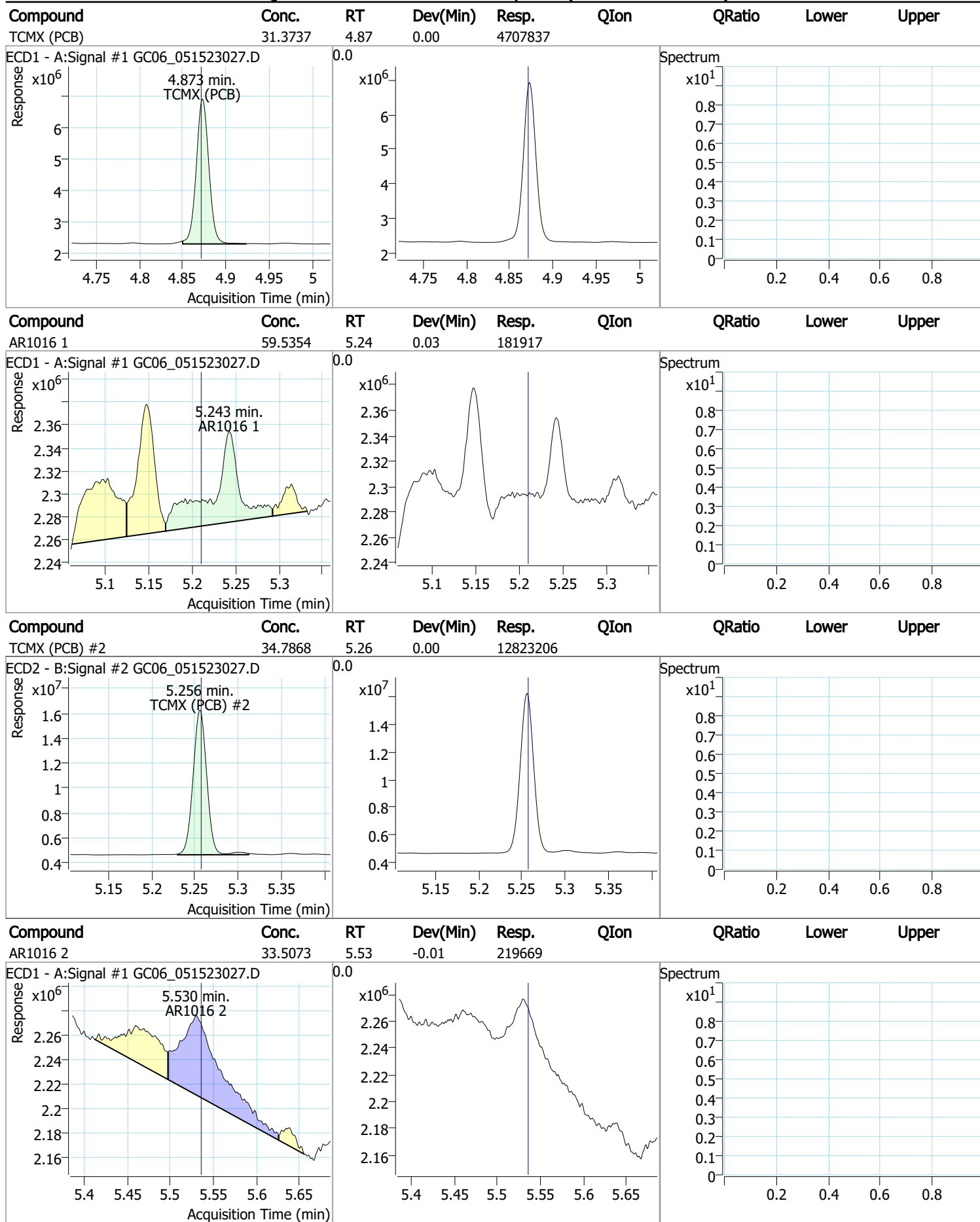
QValue

Quantitation Results Report (Not Reviewed)

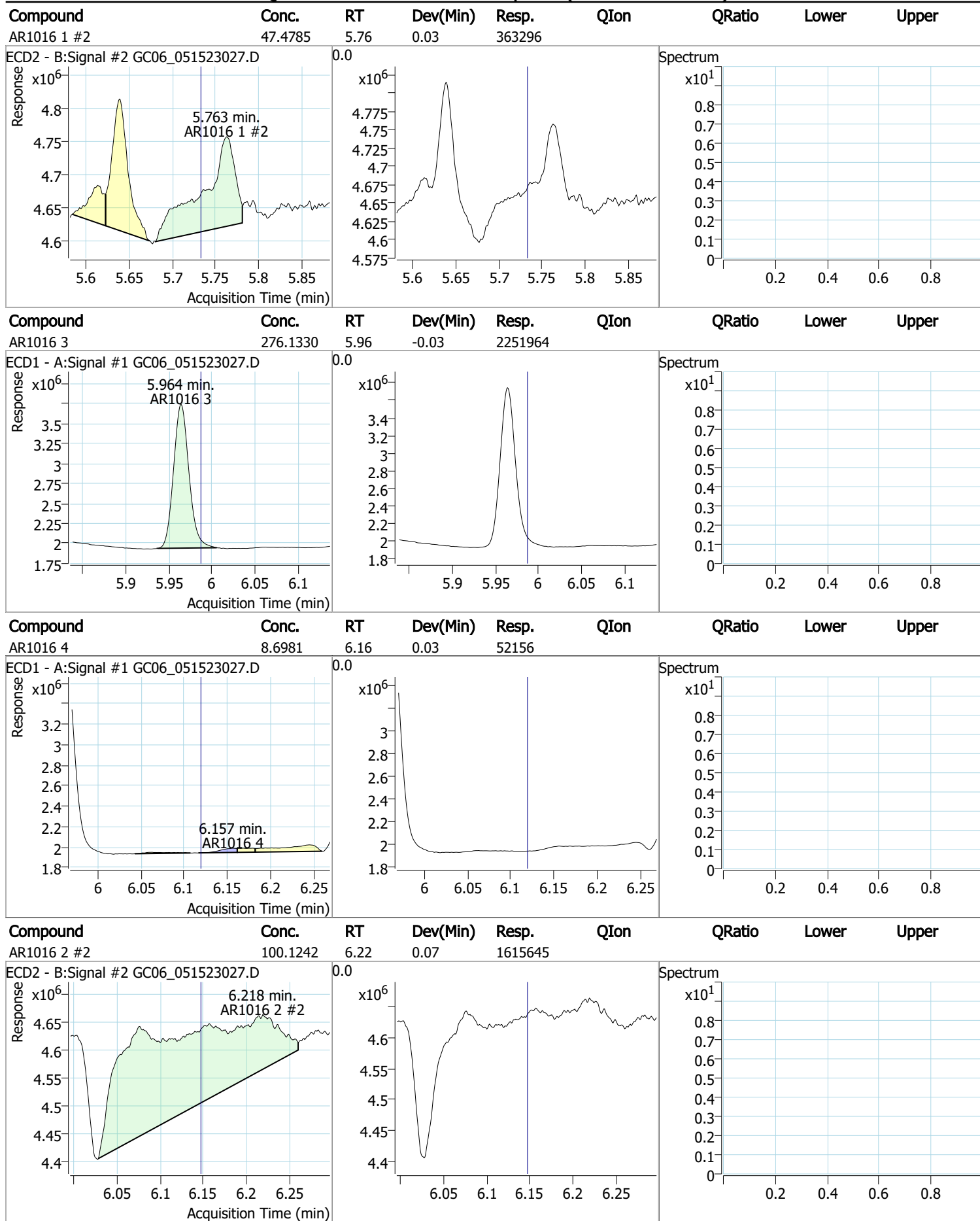
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.243	0.0	181916.998	59.5354	ng/ml	100
T AR1016 2	5.530	0.0	219668.529	33.5073	ng/ml	100
T AR1016 1 #2	5.763	0.0	363295.625	47.4785	ng/ml	100
T AR1016 3	5.964	0.0	2251963.50 1	276.1330	ng/ml	100
T AR1016 4	6.157	0.0	52156.253	8.6981	ng/ml	100
T AR1016 2 #2	6.218	0.0	1615644.63 2	100.1242	ng/ml	100
T AR1016 5	6.280	0.0	214231.686	60.9164	ng/ml	100
T AR1016 3 #2	6.659	0.0	3210776.26 7	156.8201	ng/ml	100
T AR1016 4 #2	6.797	0.0	138358.143	9.3934	ng/ml	100
T AR1016 5 #2	7.479	0.0	36136.104	2.9793	ng/ml	100
T AR1260 1	8.349	0.0	1724928.96 1	176.2092	ng/ml	100
T AR1260 2	8.888	0.0	40419.786	2.7320	ng/ml	100
T AR1260 3	9.240	0.0	85156.126	5.7268	ng/ml	100
T AR1260 1 #2	9.698	0.0	323739.213	15.2430	ng/ml	100
T AR1260 4	9.880	0.0	1463394.25 0	159.0116	ng/ml	100
T AR1260 2 #2	9.942	0.0	626256.638	23.8344	ng/ml	100
T AR1260 3 #2	10.378	0.0	357195.162	11.0405	ng/ml	100
T AR1260 5	10.659	0.0	1371425.87 5	69.0221	ng/ml	100
T AR1260 4 #2	10.824	0.0	201103.545	10.5951	ng/ml	100
T AR1260 5 #2	11.519	0.0	788314.838	25.5808	ng/ml	100

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

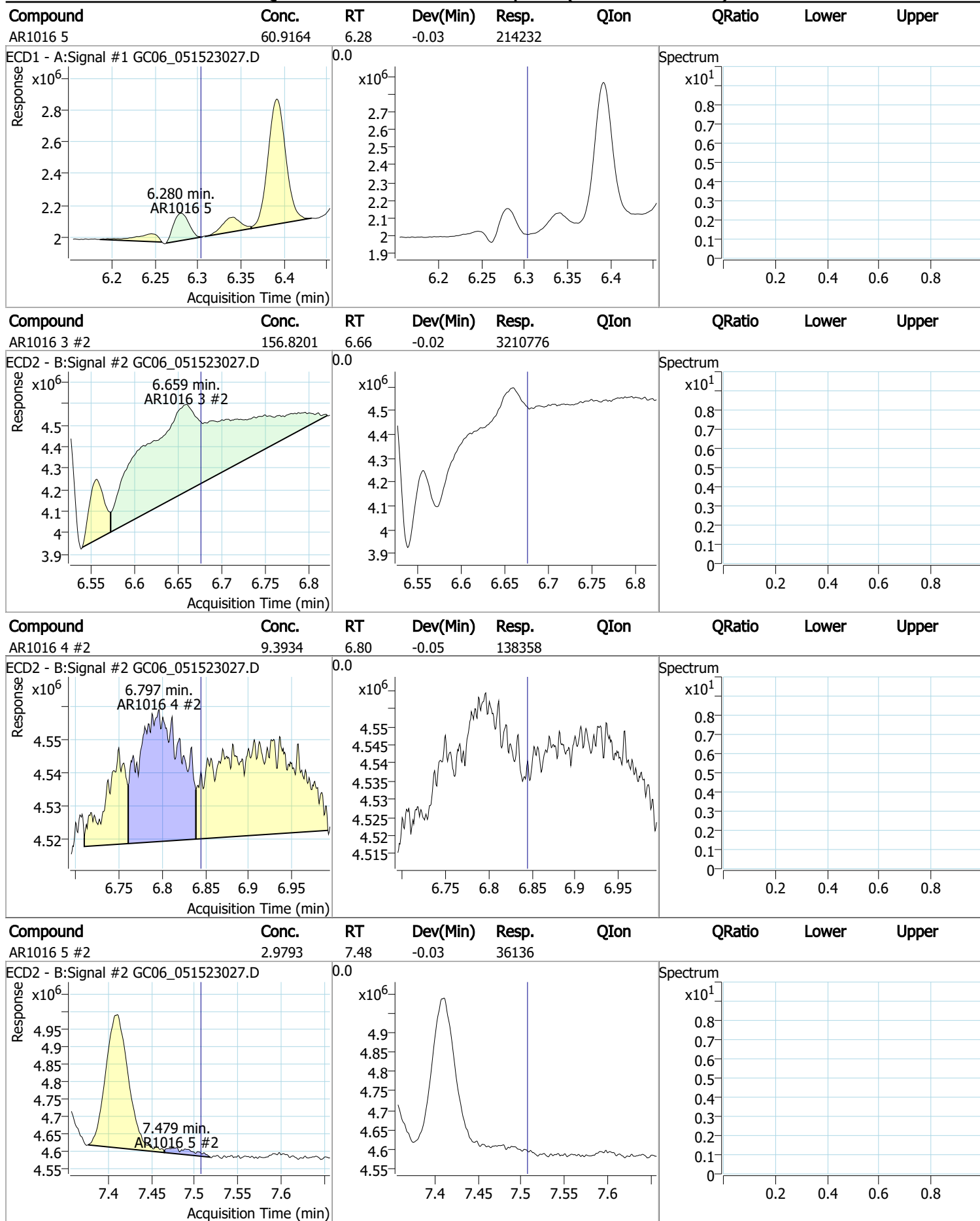
Quantitation Results Report (Not Reviewed)



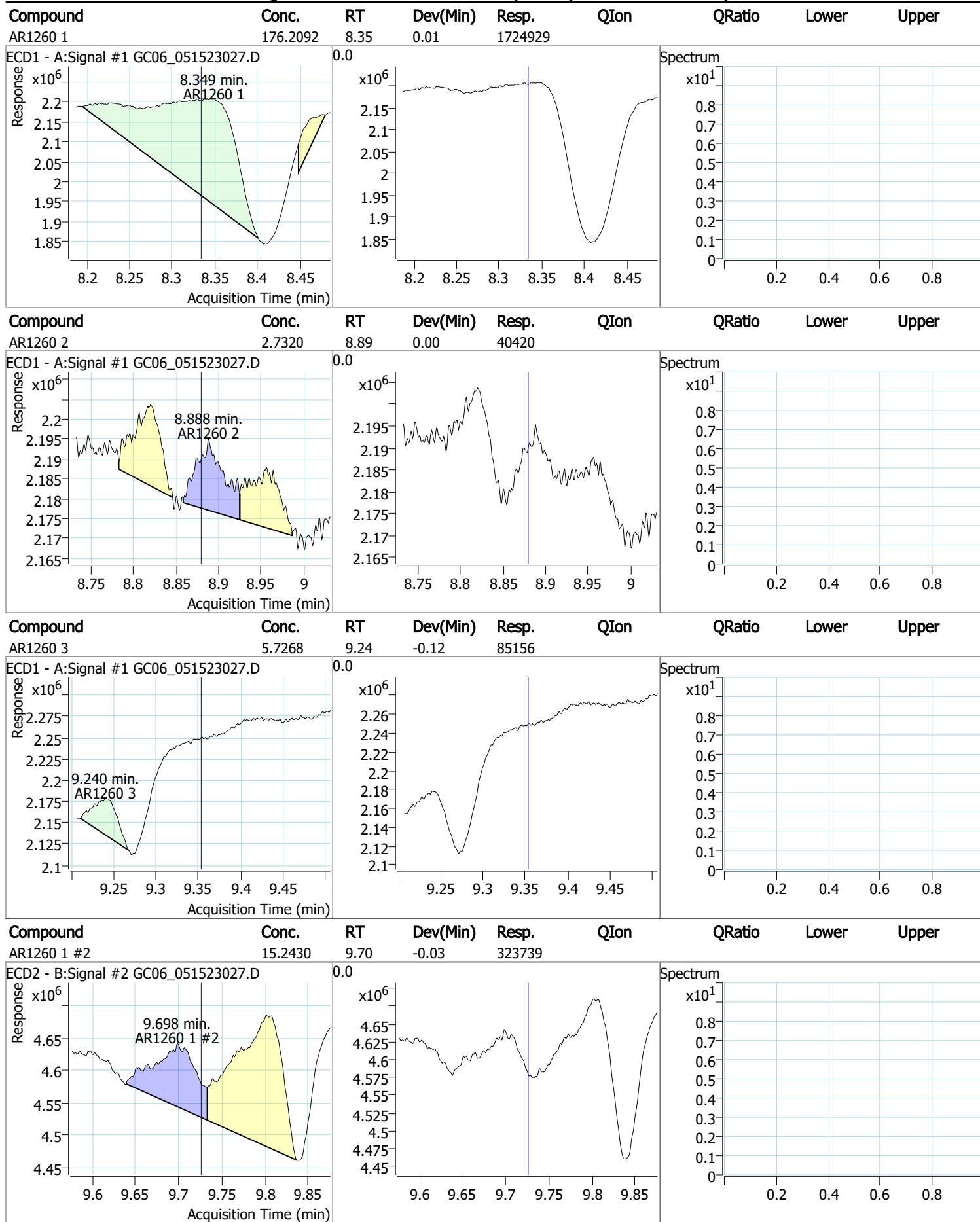
Quantitation Results Report (Not Reviewed)



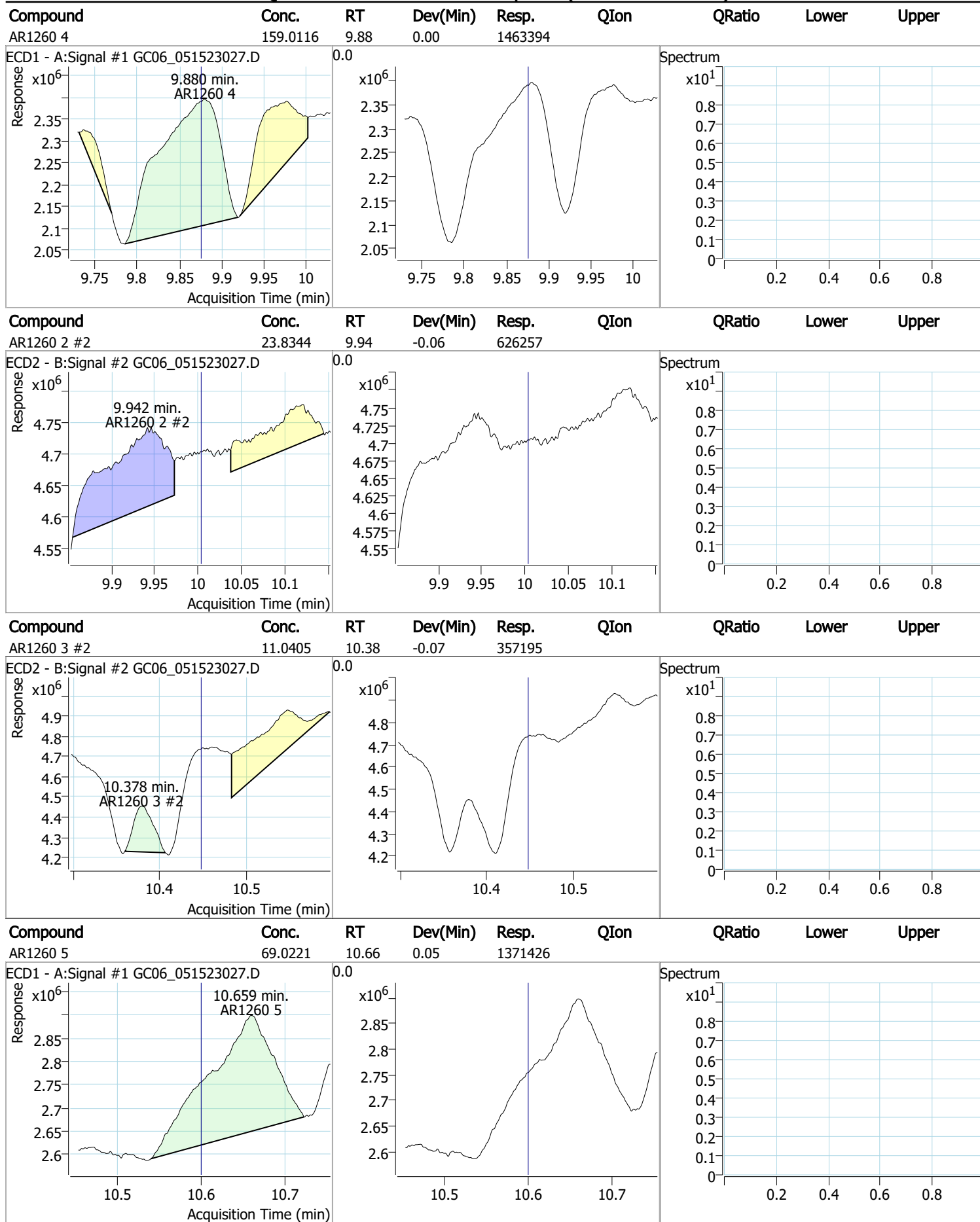
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

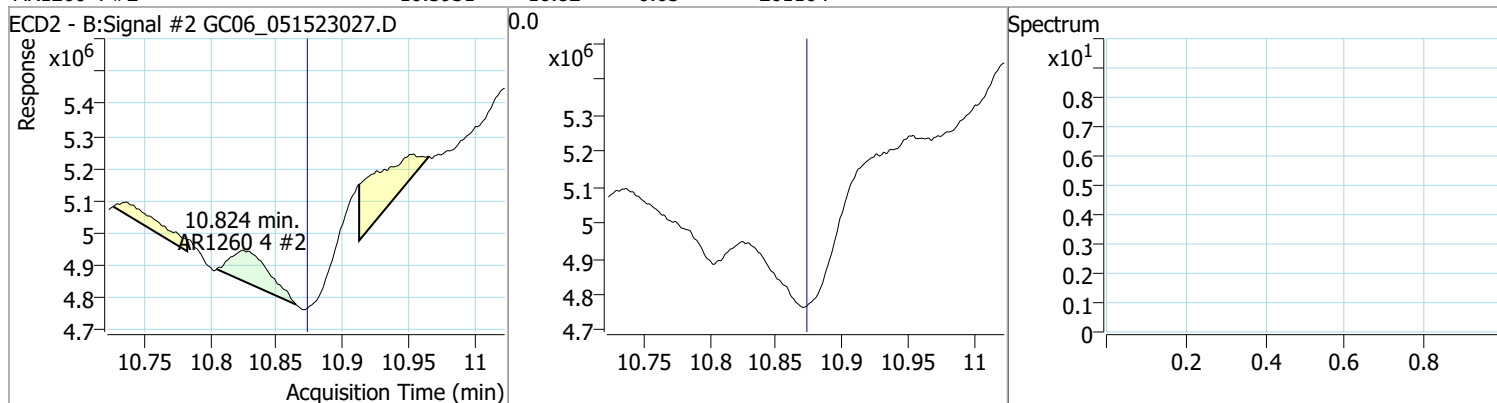


Quantitation Results Report (Not Reviewed)

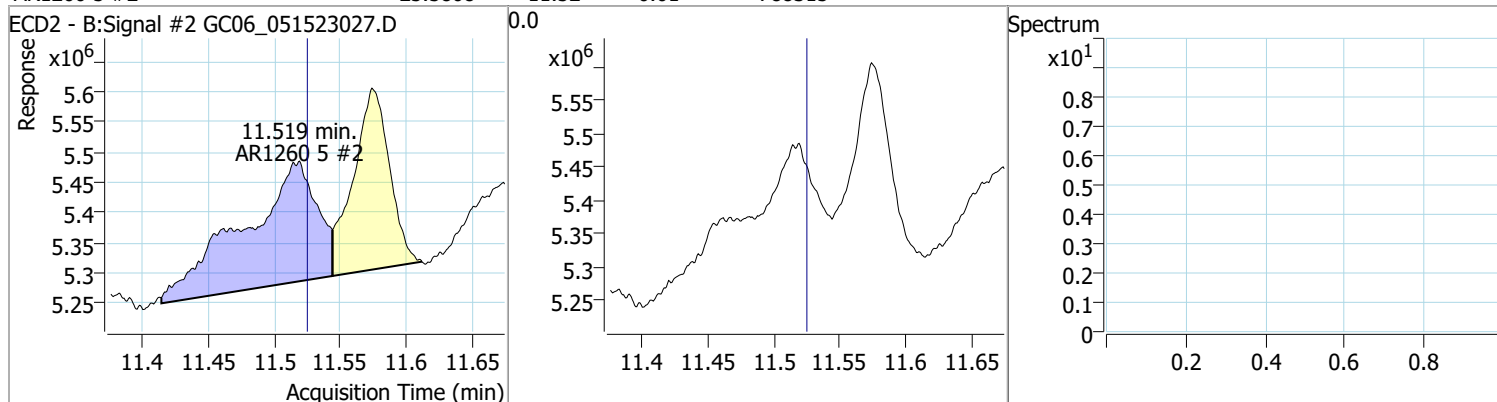


Quantitation Results Report (Not Reviewed)

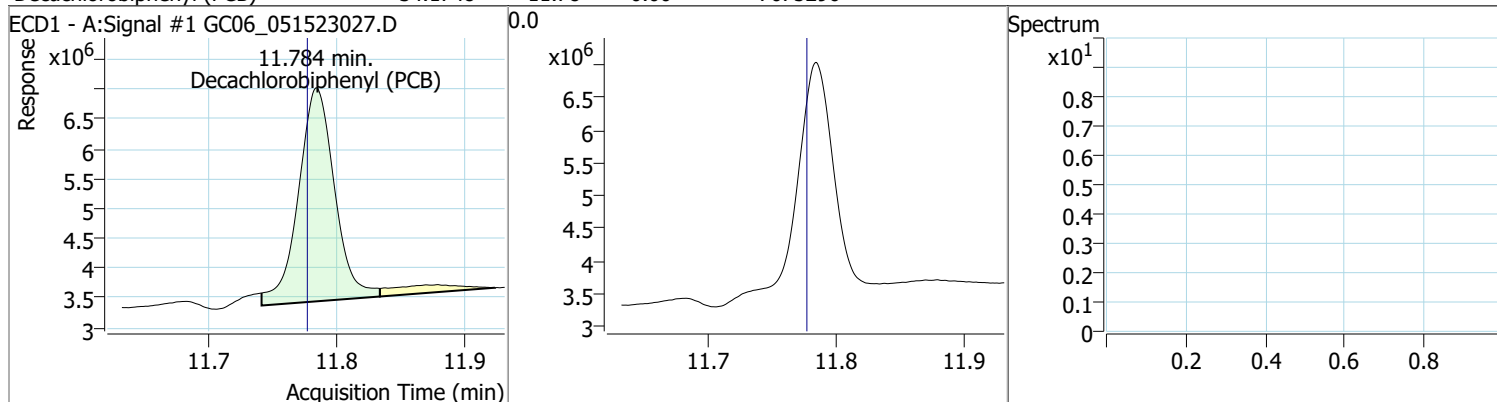
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	10.5951	10.82	-0.05	201104				



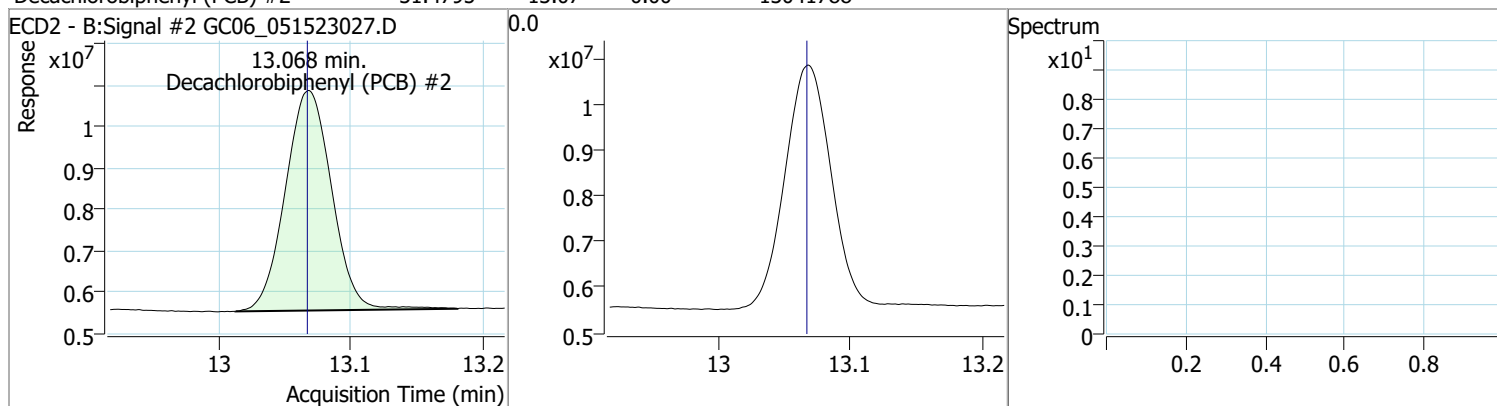
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	25.5808	11.52	-0.01	788315				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.1748	11.78	0.00	7075296				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.4795	13.07	0.00	13041788				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-012	Client ID: ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-DUP-LA
Seqnum: 453195120028	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523028	Batch: 313861	Time: 15-MAY-2023 21:02
Cal: 453140432001	Caldate: 07-APR-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	60.32	0.60 ^{FP} 0.68	0.68	13%	0.50		X U
Aroclor-1016 Peak # 1	B	31.04	0.31	0.64	70%			
Aroclor-1016 Peak # 2	B	25.63	0.26	0.25	3%			
Aroclor-1016 Peak # 3	B	180.1	1.80	0.73	85%			
Aroclor-1016 Peak # 4	B	3.813	0.04	1.04	186%			
Aroclor-1016 Peak # 5	B	61.02	0.61	0.76	22%			
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	12.79	ND	0.73	141%	0.50		U
Aroclor-1260 Peak # 1	B	10.28	0.10	1.57	175%			
Aroclor-1260 Peak # 2	B	12.31	0.12	0.02	146%			
Aroclor-1260 Peak # 3	B	9.176	0.09	0.27	99%			
Aroclor-1260 Peak # 4	B	8.099	0.08	1.27	176%			
Aroclor-1260 Peak # 5	B	24.09	0.24	0.54	76%			
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	35.26	0.5000	0.3526	71	19-121	U
Decachlorobiphenyl (PCB)	B	31.81	0.5000	0.3181	64	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, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7555175	-17.14
1-bromo-2-nitrobenzene (PCB)	A	3337014	2989951	-10.40

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

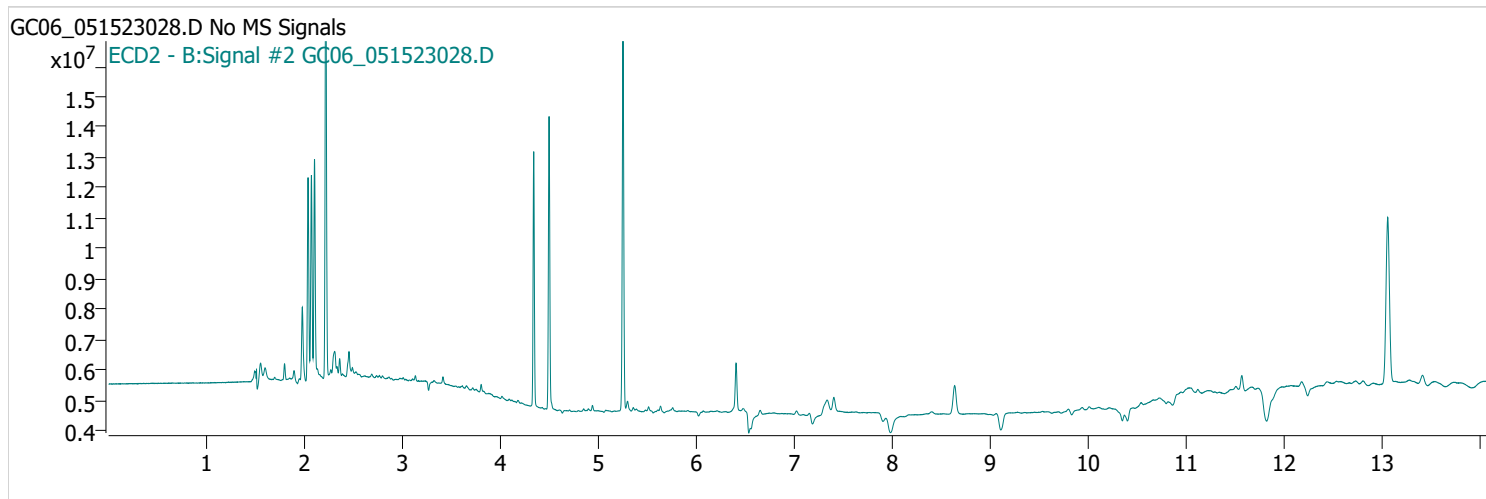
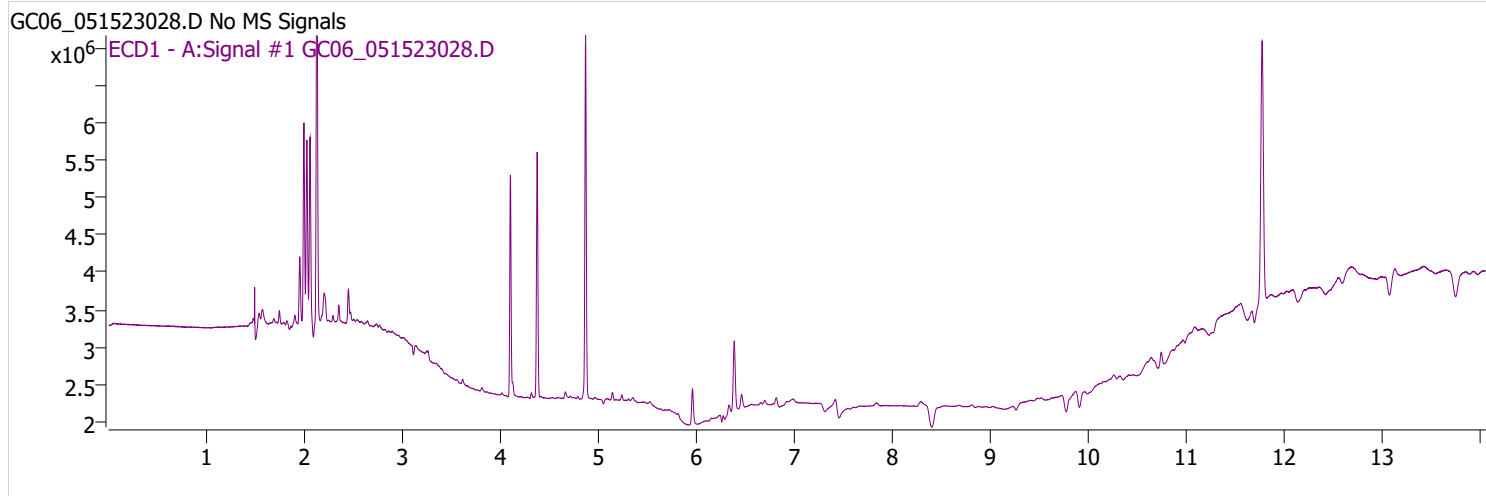
u=use x=false positive

Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_051523028.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 9:02:27 PM
Sample Name	484907-012, 313861, 1	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.105	0.0	2989950.660	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	7555175.033	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.873	0.0	4940245.129	32.3500	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.75%	*	
S TCMX (PCB) #2	5.255	0.0	13190586.295	35.2579	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.29%	*	
S Decachlorobiphenyl (PCB)	11.784	0.0	7234461.055	34.3360	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.68%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	13376778.691	31.8139	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.07%	*	

Target Compounds

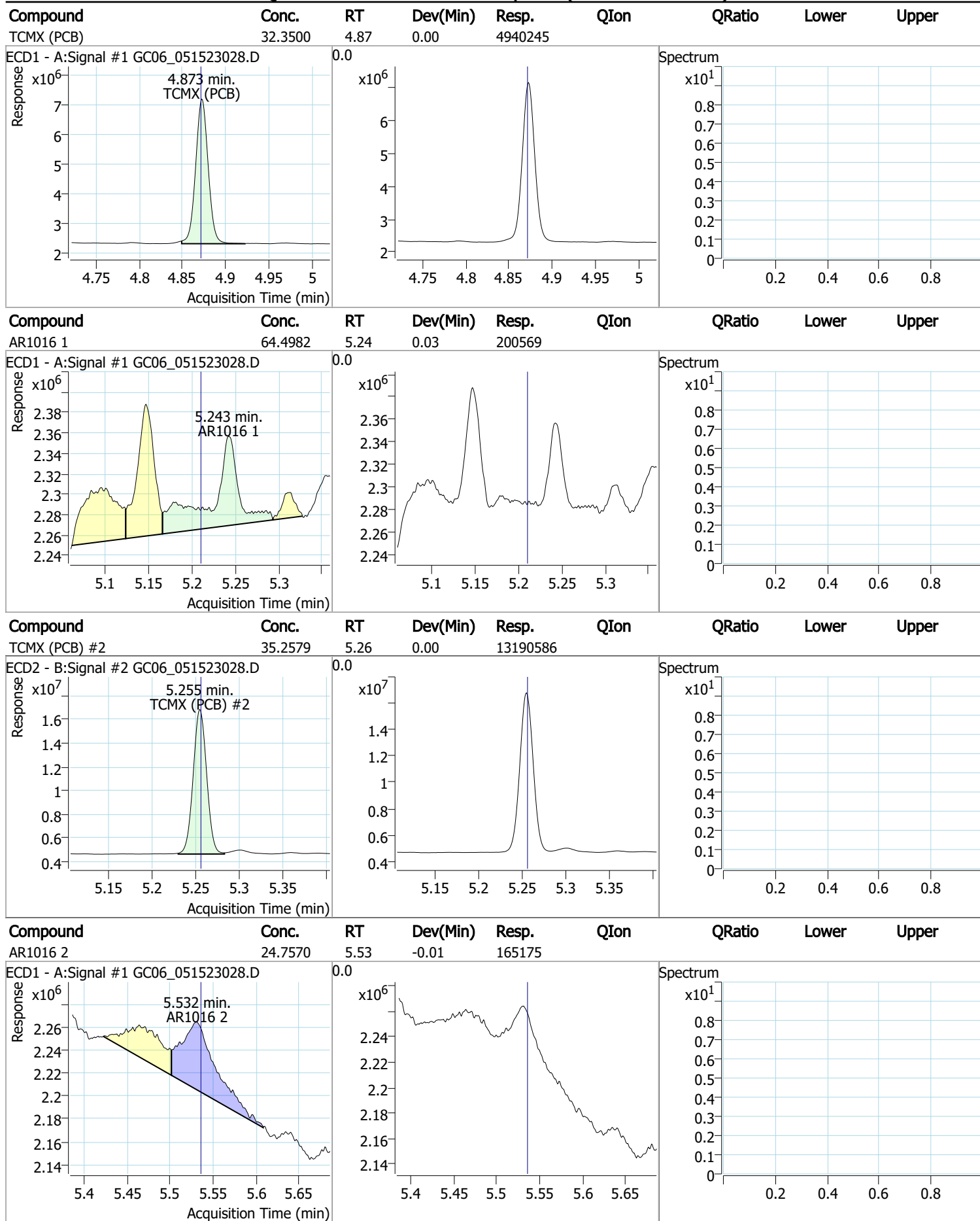
QValue

Quantitation Results Report (Not Reviewed)

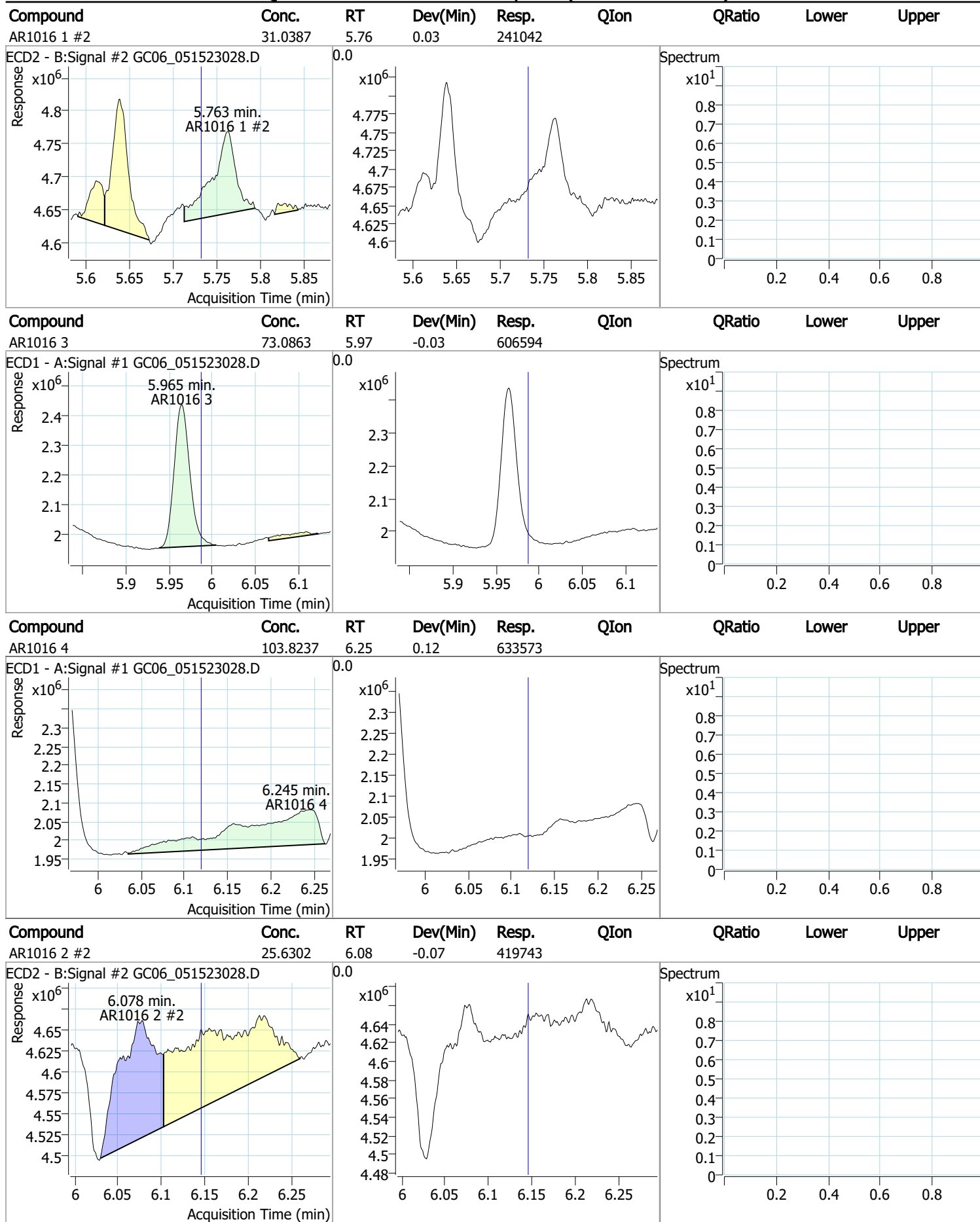
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.243	0.0	200569.251	64.4982	ng/ml	100
T AR1016 2	5.532	0.0	165175.278	24.7570	ng/ml	100
T AR1016 1 #2	5.763	0.0	241041.568	31.0387	ng/ml	100
T AR1016 3	5.965	0.0	606593.648	73.0863	ng/ml	100
T AR1016 4	6.245	0.0	633572.658	103.8237	ng/ml	100
T AR1016 2 #2	6.078	0.0	419743.022	25.6302	ng/ml	100
T AR1016 5	6.338	0.0	271194.340	75.7726	ng/ml	100
T AR1016 3 #2	6.656	0.0	3742140.568	180.0890	ng/ml	100
T AR1016 4 #2	6.878	0.0	56996.095	3.8128	ng/ml	100
T AR1016 5 #2	7.409	0.0	751189.452	61.0236	ng/ml	100
T AR1260 1	8.297	0.0	1561193.337	156.7095	ng/ml	100
T AR1260 2	8.888	0.0	28933.367	1.9216	ng/ml	100
T AR1260 3	9.420	0.0	411948.124	27.2220	ng/ml	100
T AR1260 1 #2	9.705	0.0	221545.588	10.2781	ng/ml	100
T AR1260 4	9.879	0.0	1186709.731	126.7049	ng/ml	100
T AR1260 2 #2	10.018	0.0	328274.067	12.3101	ng/ml	100
T AR1260 3 #2	10.378	0.0	301305.504	9.1762	ng/ml	100
T AR1260 5	10.649	0.0	1086993.402	53.7557	ng/ml	100
T AR1260 4 #2	10.825	0.0	156012.003	8.0987	ng/ml	100
T AR1260 5 #2	11.515	0.0	753313.038	24.0860	ng/ml	100

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

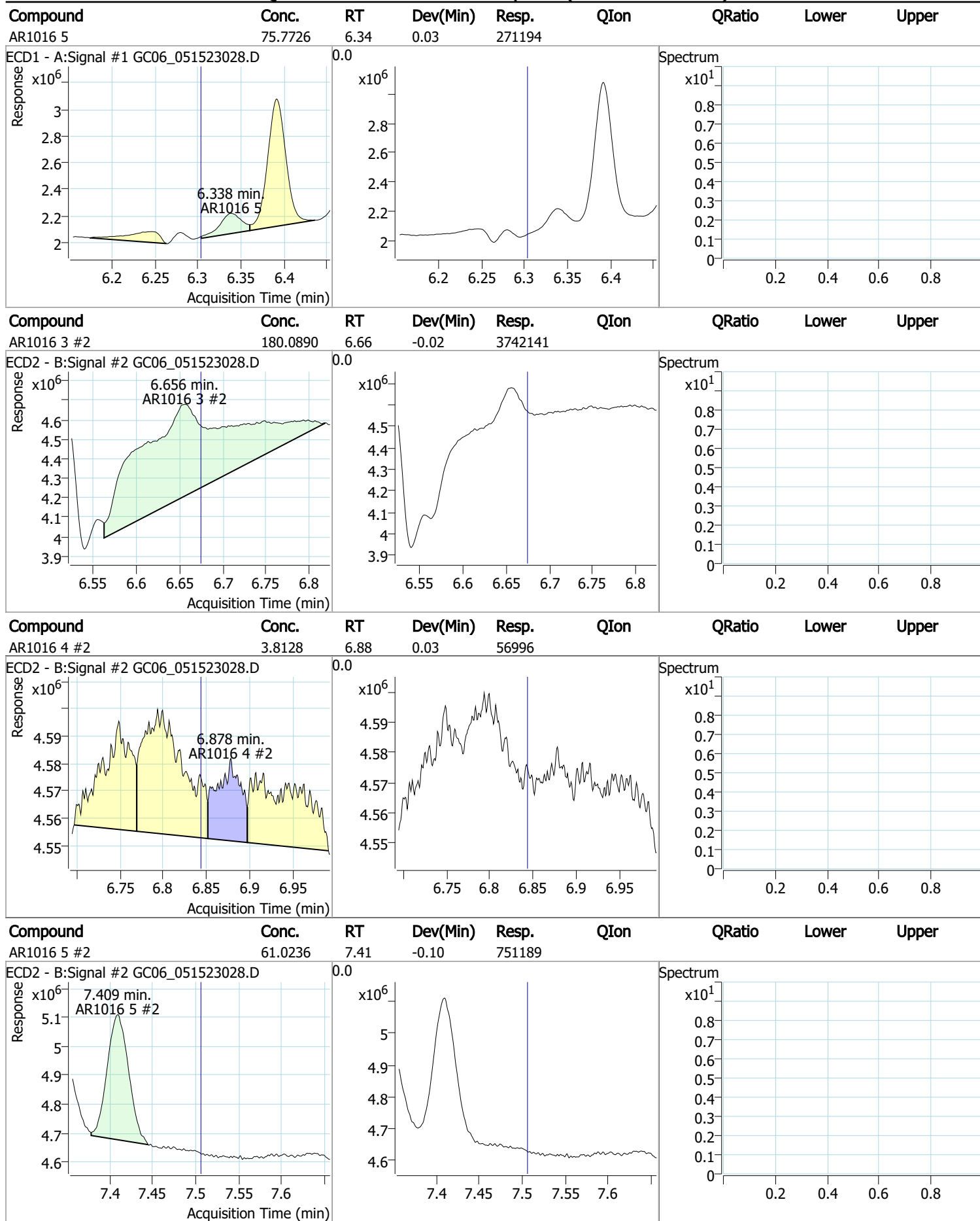
Quantitation Results Report (Not Reviewed)



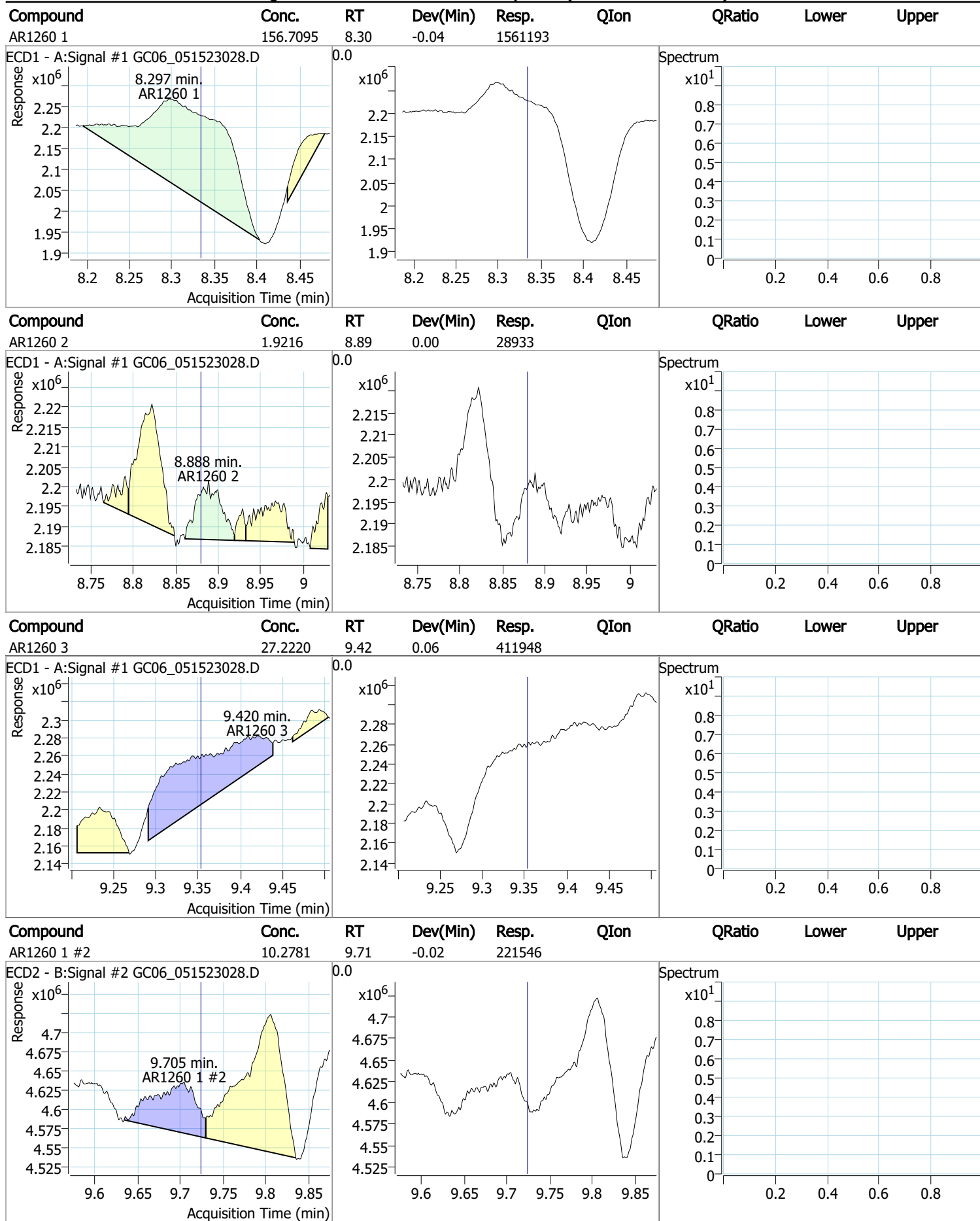
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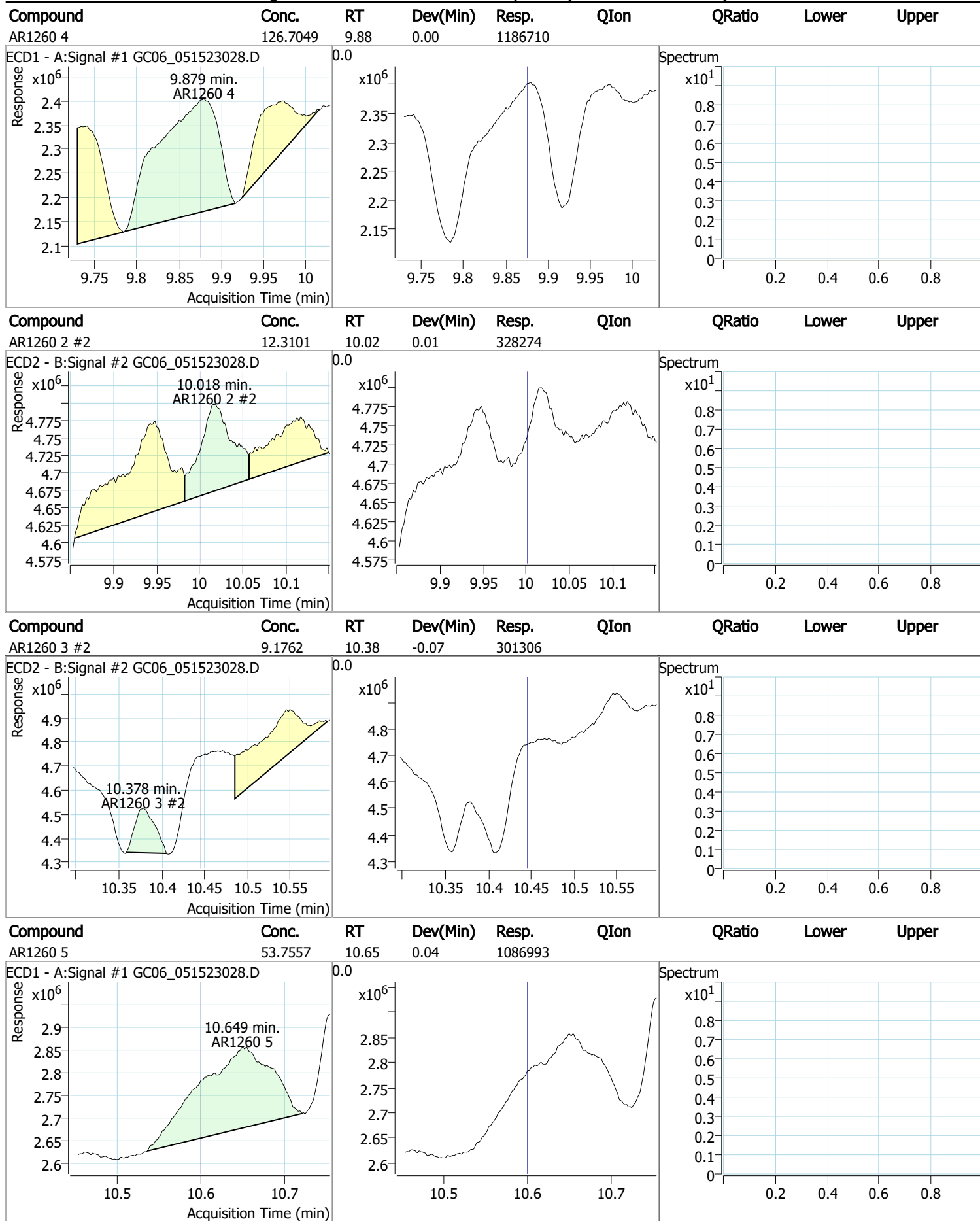
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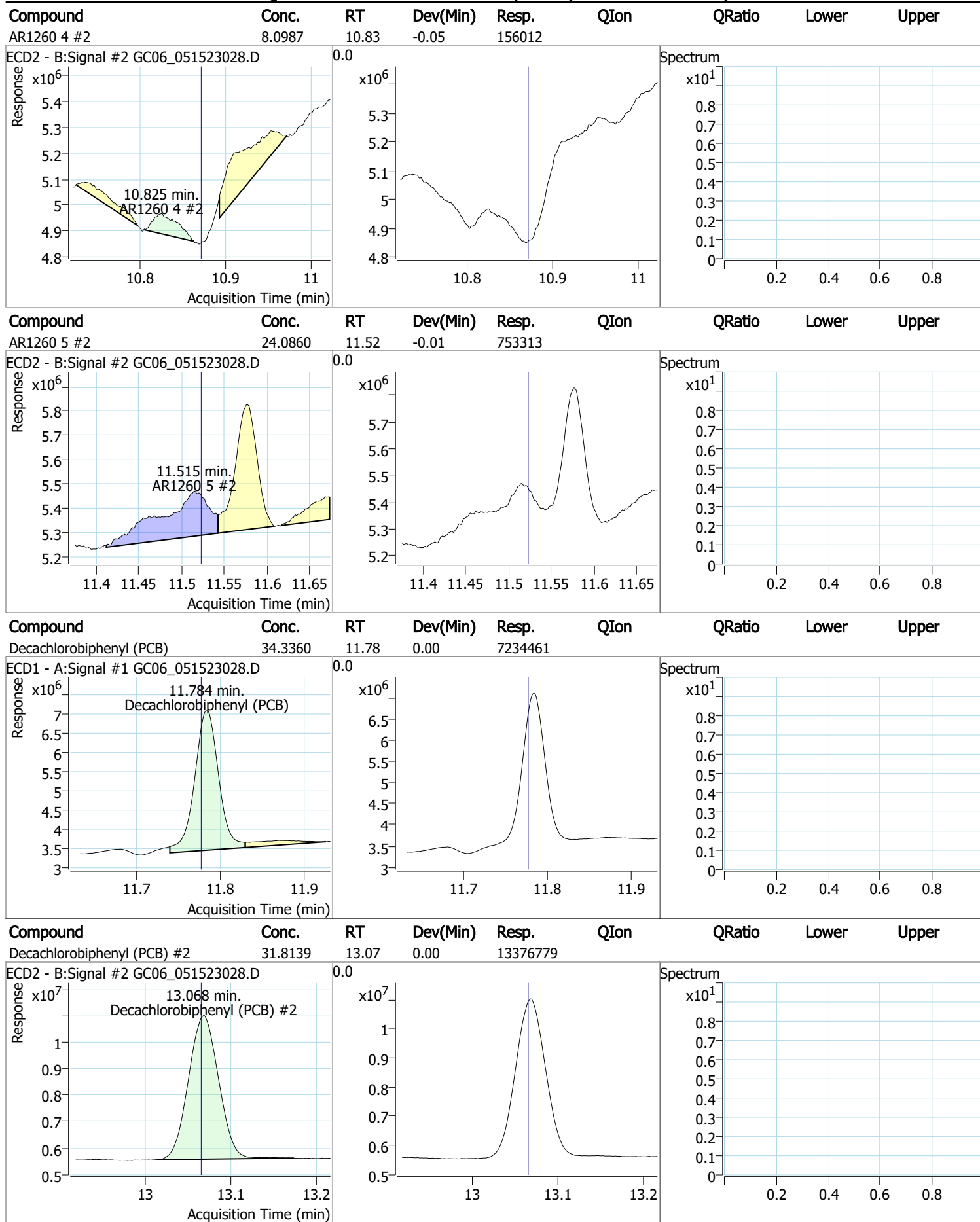
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-014	Client ID: ARCH-C7E-DG-2 TO 2.5-230509-P-FB
Seqnum: 453195120029	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523029	Batch: 313861	Time: 15-MAY-2023 21:21
Cal: 453140432001	Caldate: 07-APR-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	41.38	ND	0.67	47%	0.50		u
Aroclor-1016 Peak # 1	B	69.26	0.69	0.55	23%			
Aroclor-1016 Peak # 2	B	112.3	1.12	0.28	121%			
Aroclor-1016 Peak # 3	B	18.94	0.19	0.65	109%			
Aroclor-1016 Peak # 4	B	5.590	0.06	1.21	182%			
Aroclor-1016 Peak # 5	B	0.8152	0.01	0.67	195%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	11.57	ND	0.82	151%	0.50		u
Aroclor-1260 Peak # 1	B	13.36	0.13	1.82	173%			
Aroclor-1260 Peak # 2	B	10.13	0.10	0.03	101%			
Aroclor-1260 Peak # 3	B	9.707	0.10	0.15	42%			
Aroclor-1260 Peak # 4	B	3.421	0.03	1.56	191%			
Aroclor-1260 Peak # 5	B	21.22	0.21	0.54	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	33.38	0.5000	0.3338	67	19-121	u
Decachlorobiphenyl (PCB)	B	31.21	0.5000	0.3121	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, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7975639	-12.53
1-bromo-2-nitrobenzene (PCB)	A	3337014	3048551	-8.64

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

U=Use

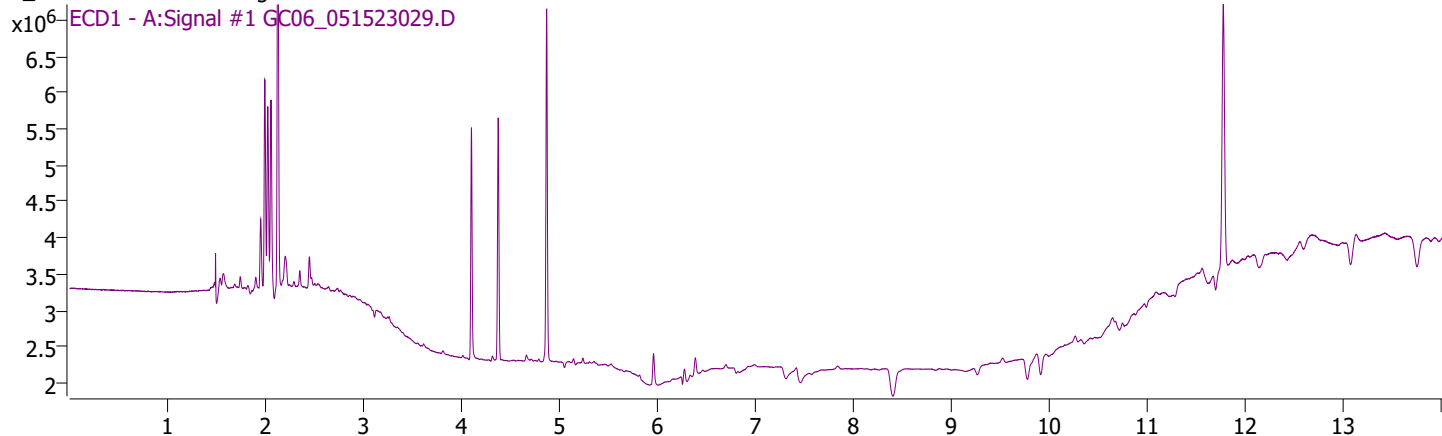
Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

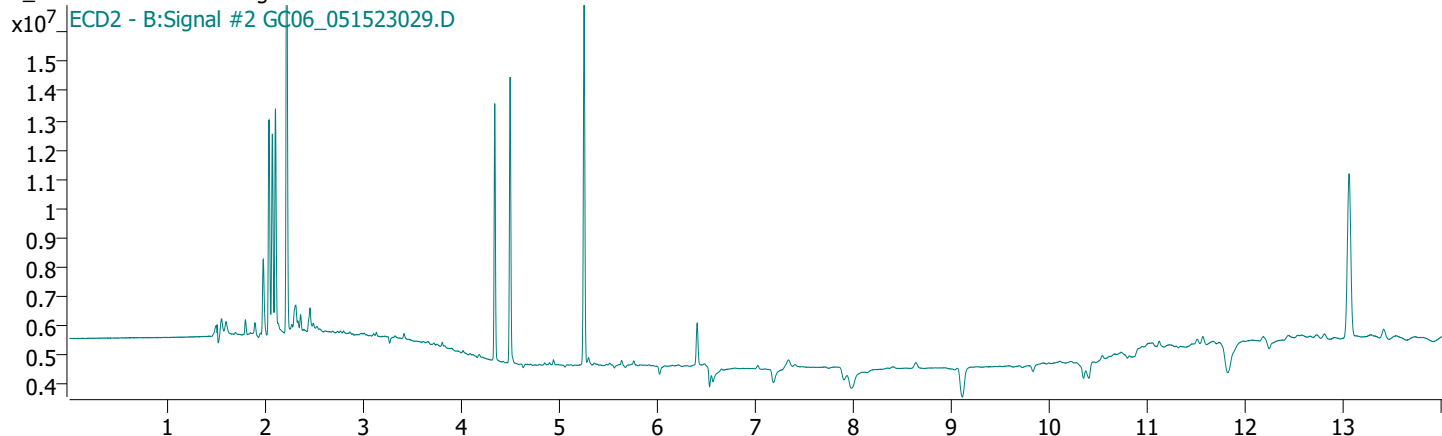
Quantitation Results Report (Not Reviewed)

Data File	GC06_051523029.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 9:21:06 PM
Sample Name	484907-014, 313861, 1	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			

GC06_051523029.D No MS Signals



GC06_051523029.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.105	0.0	3048550.55 3	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	7975639.07 4	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.873	0.0	4948880.88 7	31.7836	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.92%	*	
S TCMX (PCB) #2	5.255	0.0	13183372.0 49	33.3809	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.90%	*	
S Decachlorobiphenyl (PCB)	11.783	0.0	7286747.42 3	33.9194	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.60%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	13851514.0 51	31.2063	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.03%	*	

Target Compounds

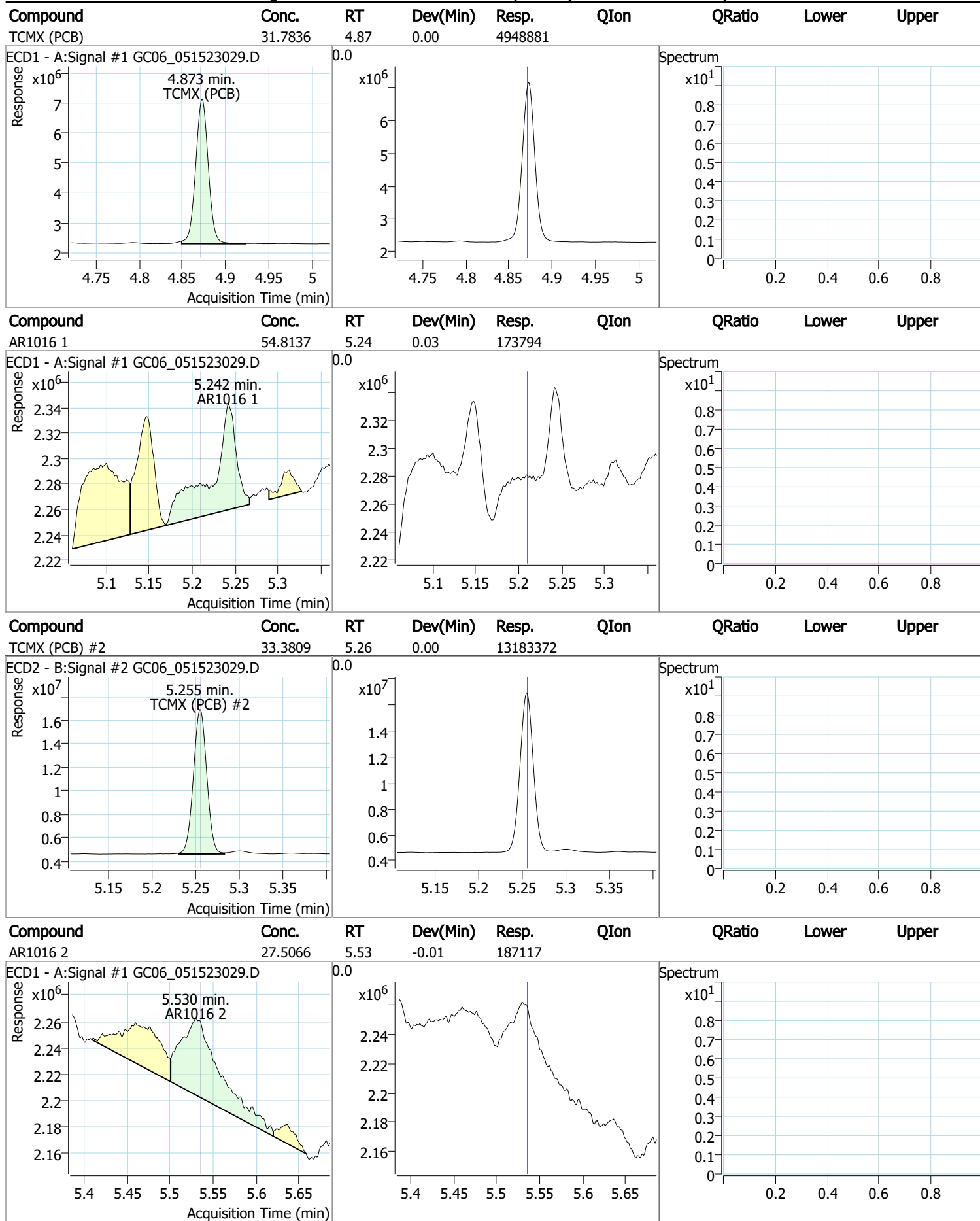
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Quantitation Results Report (Not Reviewed)

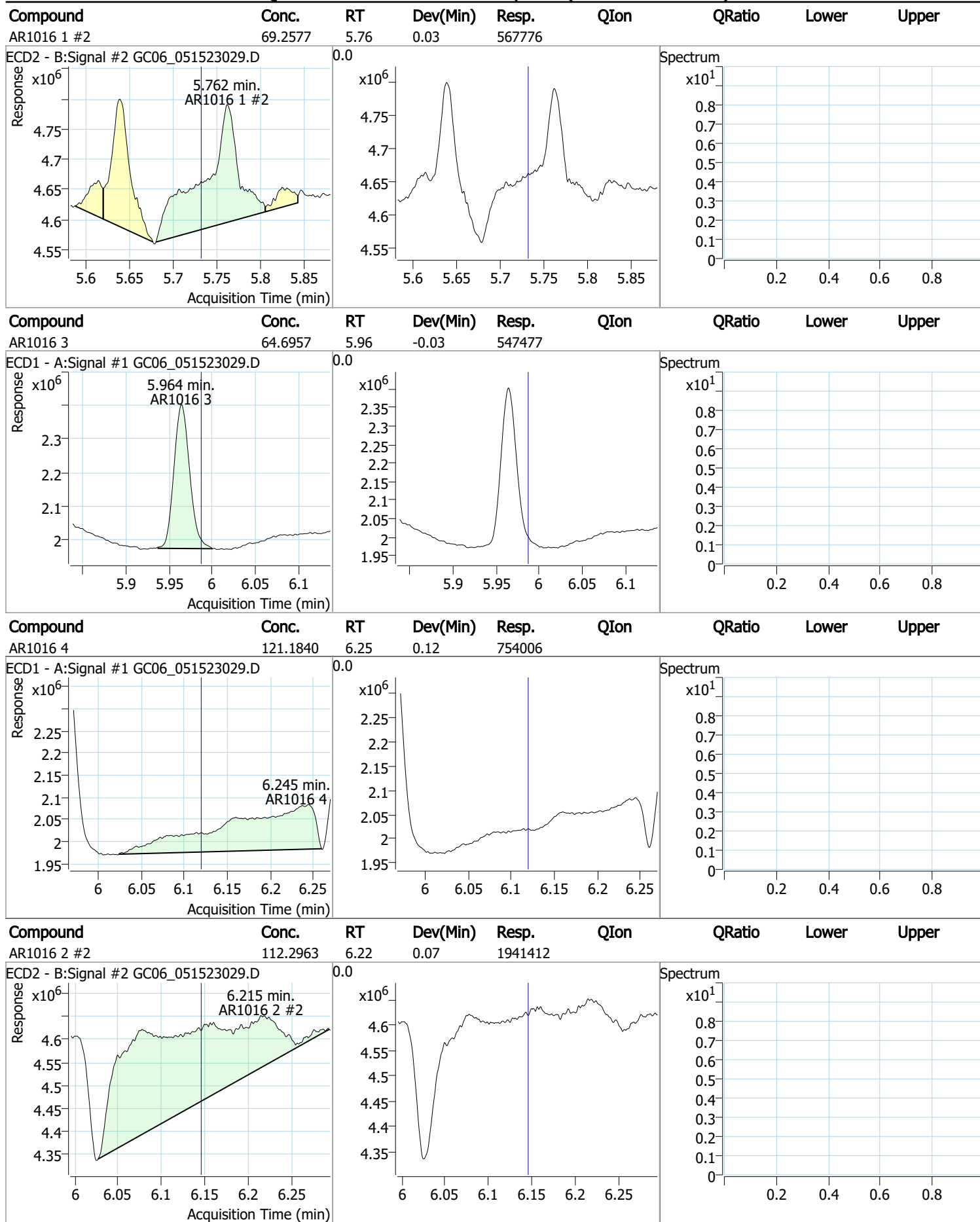
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.242	0.0	173794.167	54.8137	ng/ml	100
T AR1016 2	5.530	0.0	187117.149	27.5066	ng/ml	100
T AR1016 1 #2	5.762	0.0	567776.474	69.2577	ng/ml	100
T AR1016 3	5.964	0.0	547477.351	64.6957	ng/ml	100
T AR1016 4	6.245	0.0	754005.793	121.1840	ng/ml	100
T AR1016 2 #2	6.215	0.0	1941412.291	112.2963	ng/ml	100
T AR1016 5	6.279	0.0	245252.700	67.2073	ng/ml	100
T AR1016 3 #2	6.556	0.0	415517.656	18.9424	ng/ml	100
T AR1016 4 #2	6.882	0.0	88217.501	5.5902	ng/ml	100
T AR1016 5 #2	7.493	0.0	10593.845	0.8152	ng/ml	100
T AR1260 1	8.308	0.0	1846799.986	181.8148	ng/ml	100
T AR1260 2	8.885	0.0	50864.620	3.3132	ng/ml	100
T AR1260 3	9.233	0.0	229315.372	14.8622	ng/ml	100
T AR1260 1 #2	9.702	0.0	304067.270	13.3628	ng/ml	100
T AR1260 4	9.877	0.0	1493045.907	156.3481	ng/ml	100
T AR1260 2 #2	10.117	0.0	285217.671	10.1317	ng/ml	100
T AR1260 3 #2	10.378	0.0	336468.977	9.7069	ng/ml	100
T AR1260 5	10.653	0.0	1113793.653	54.0222	ng/ml	100
T AR1260 4 #2	10.823	0.0	69576.870	3.4214	ng/ml	100
T AR1260 5 #2	11.515	0.0	700740.009	21.2239	ng/ml	100

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

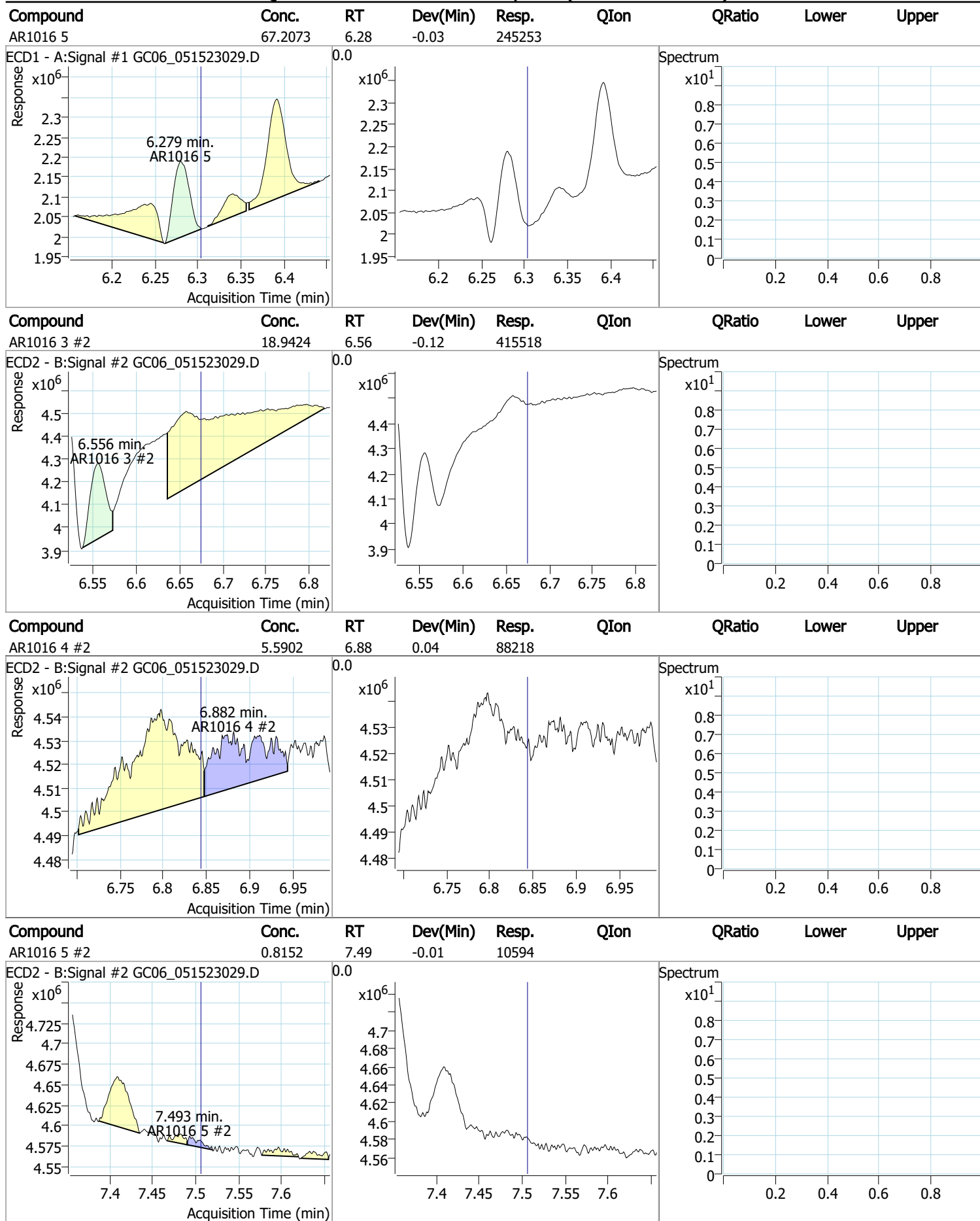
Quantitation Results Report (Not Reviewed)



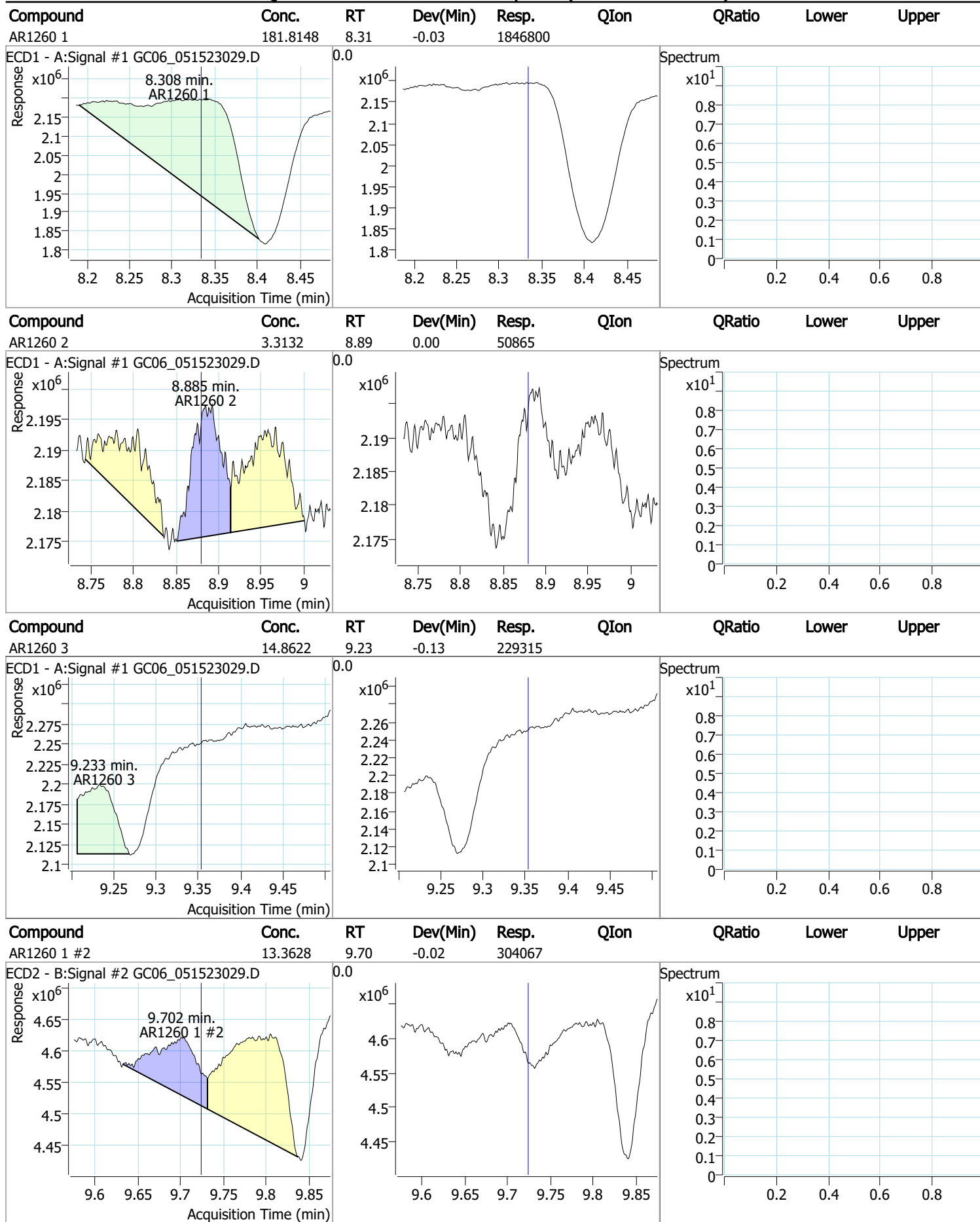
Quantitation Results Report (Not Reviewed)



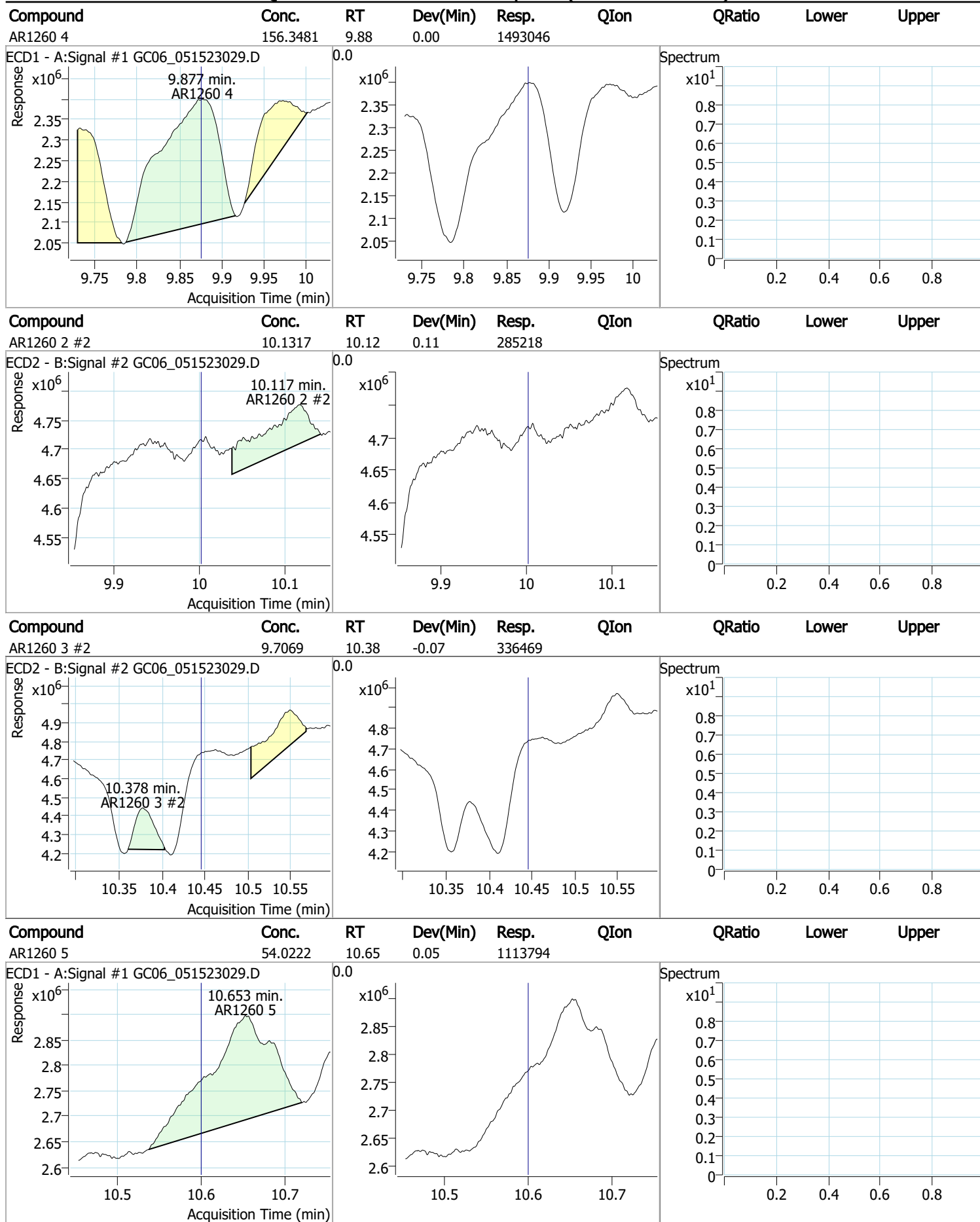
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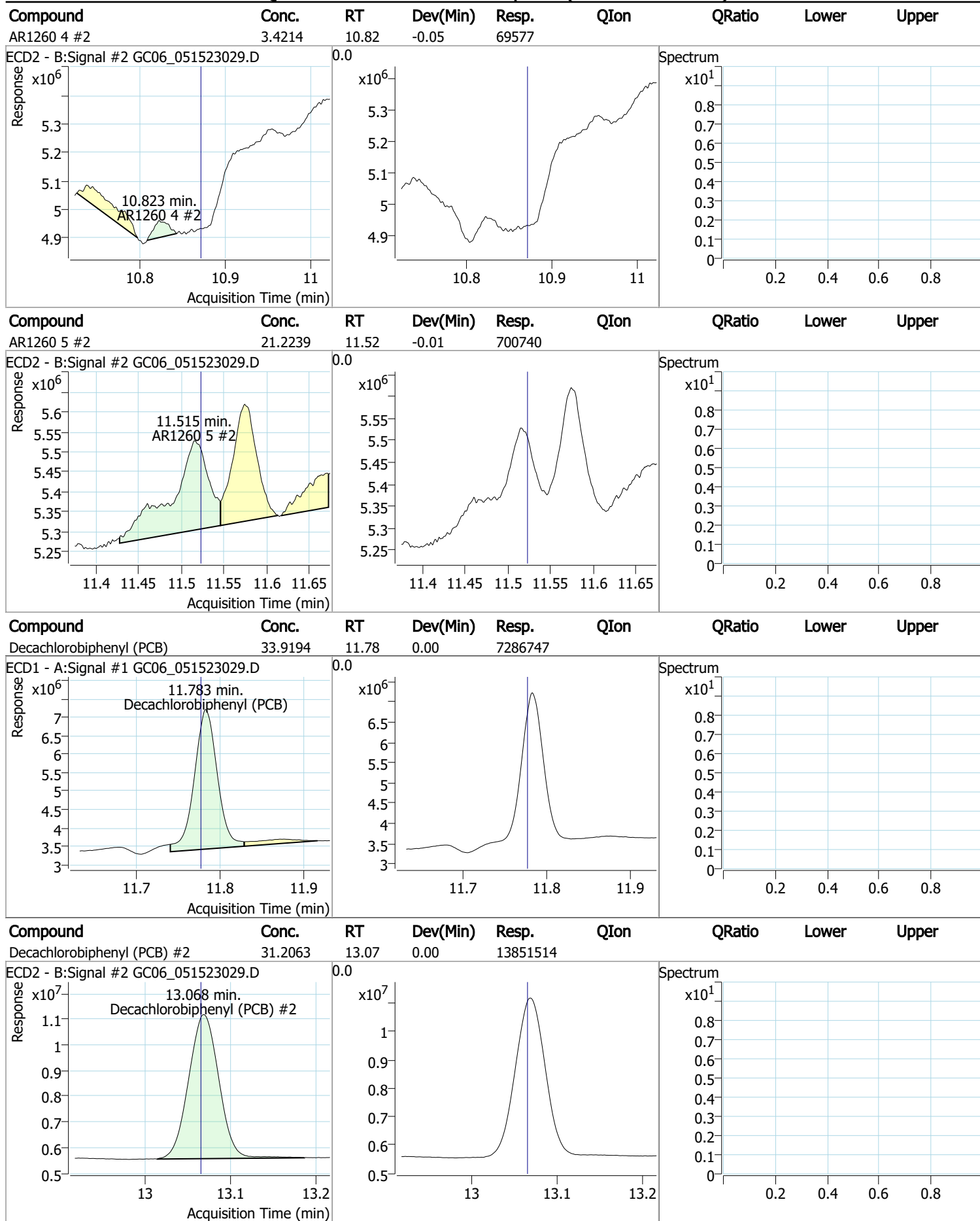
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-017	Client ID: ARCH-C6E-PS-2.5-230509-P-G
Seqnum: 453195120030	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523030	Batch: 313861	Time: 15-MAY-2023 21:39
Cal: 453140432001	Caldate: 07-APR-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	47.92	ND	0.86	57%	0.50		u
Aroclor-1016 Peak # 1	B	72.50	0.72	0.26	95%			
Aroclor-1016 Peak # 2	B	136.1	1.36	0.28	132%			
Aroclor-1016 Peak # 3	B	24.96	0.25	1.92	154%			
Aroclor-1016 Peak # 4	B	4.544	0.05	0.96	182%			
Aroclor-1016 Peak # 5	B	1.532	0.02	0.86	193%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	16.83	ND	0.78	129%	0.50		u
Aroclor-1260 Peak # 1	B	11.84	0.12	1.62	173%			
Aroclor-1260 Peak # 2	B	16.18	0.16	0.06	90%			
Aroclor-1260 Peak # 3	B	12.74	0.13	0.06	71%			
Aroclor-1260 Peak # 4	B	10.74	0.11	1.62	175%			
Aroclor-1260 Peak # 5	B	32.62	0.33	0.56	52%			
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	43.60	0.5000	0.4360	87	19-121	u
Decachlorobiphenyl (PCB)	B	38.57	0.5000	0.3857	77	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7595557	-16.70
1-bromo-2-nitrobenzene (PCB)	A	3337014	2888281	-13.45

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

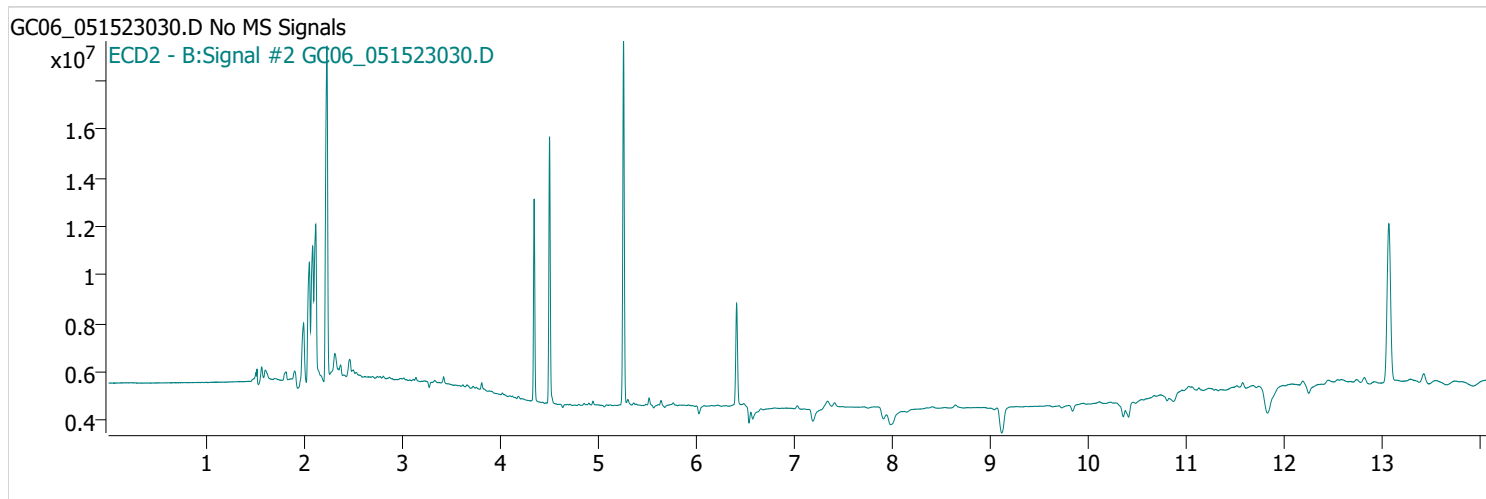
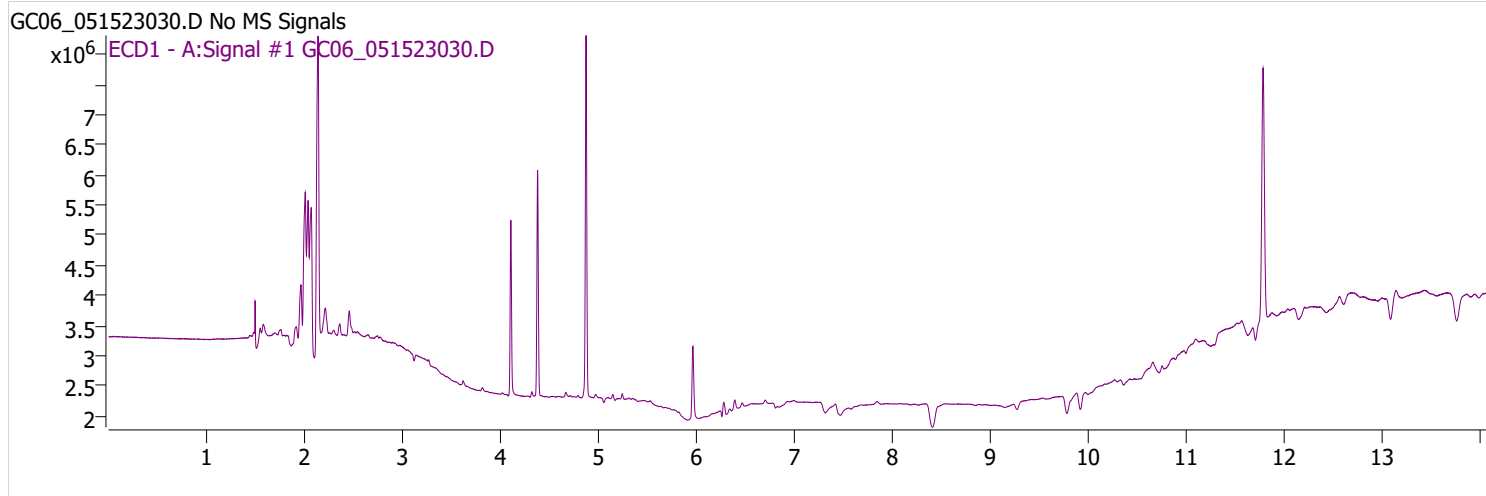
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Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_051523030.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 9:39:28 PM
Sample Name	484907-017, 313861, 1	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.106	0.0	2888280.57 3	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	7595556.91 8	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.874	0.0	6082287.02 8	41.2304	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.15%	*	
S TCMX (PCB) #2	5.257	0.0	16399929.2 29	43.6033	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.02%	*	
S Decachlorobiphenyl (PCB)	11.783	0.0	8653608.68 1	42.5172	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.59%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	16303831.4 43	38.5692	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.85%	*	

Target Compounds

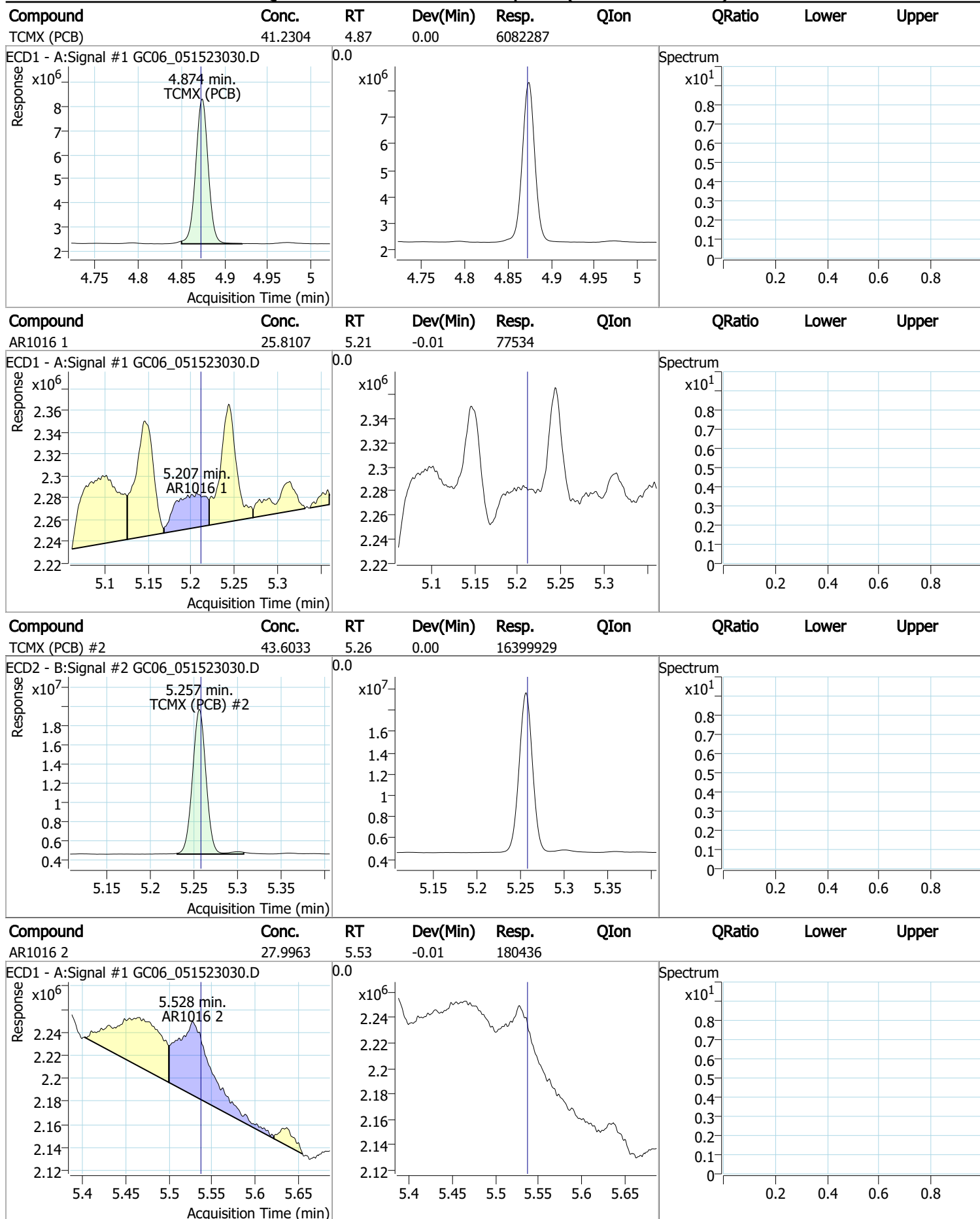
QValue

Quantitation Results Report (Not Reviewed)

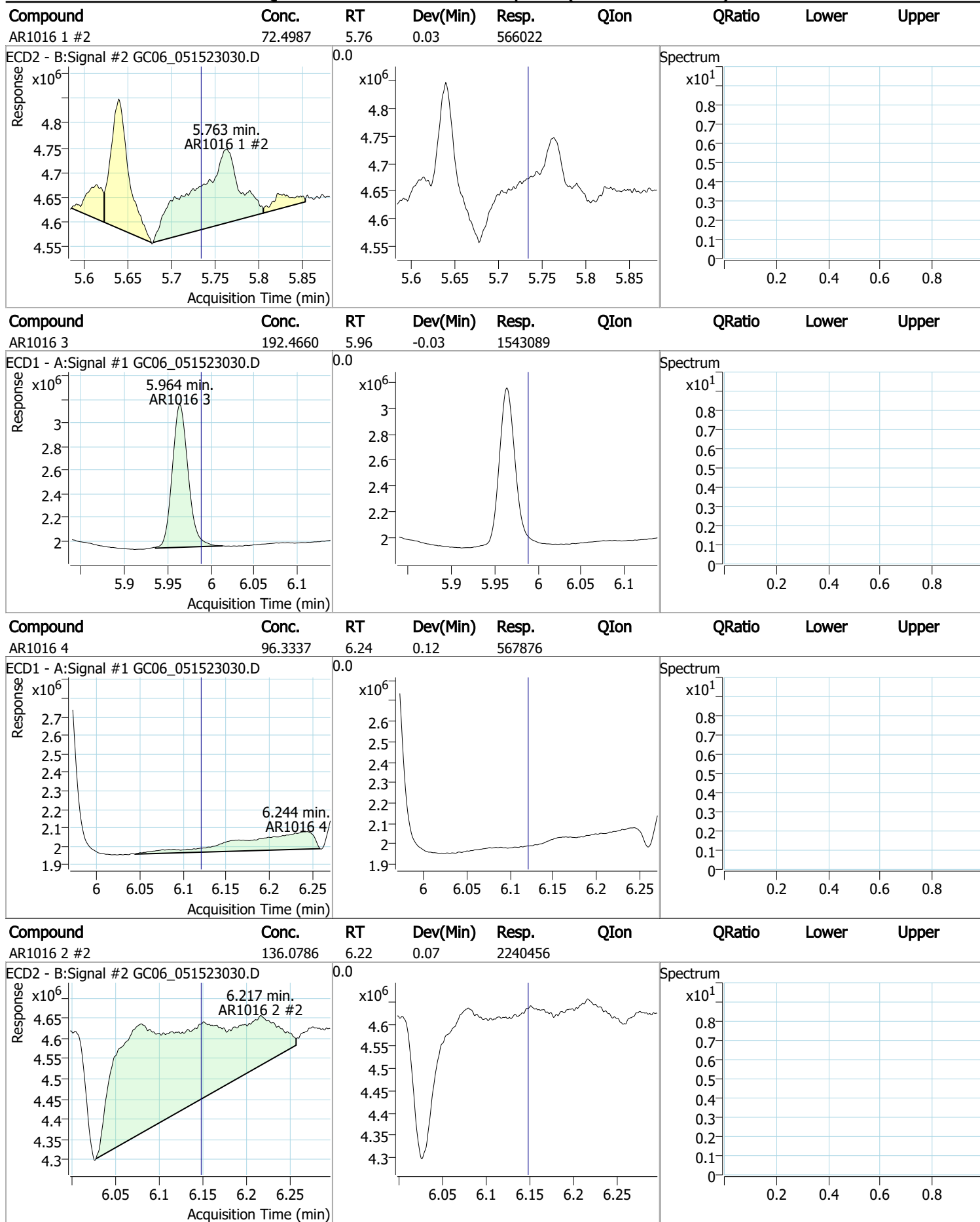
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.207	0.0	77533.938	25.8107	ng/ml	100
T AR1016 2	5.528	0.0	180435.681	27.9963	ng/ml	100
T AR1016 1 #2	5.763	0.0	566022.467	72.4987	ng/ml	100
T AR1016 3	5.964	0.0	1543089.073	192.4660	ng/ml	100
T AR1016 4	6.244	0.0	567876.057	96.3337	ng/ml	100
T AR1016 2 #2	6.217	0.0	2240456.059	136.0786	ng/ml	100
T AR1016 5	6.280	0.0	298395.725	86.3076	ng/ml	100
T AR1016 3 #2	6.555	0.0	521514.230	24.9642	ng/ml	100
T AR1016 4 #2	6.874	0.0	68297.072	4.5444	ng/ml	100
T AR1016 5 #2	7.484	0.0	18962.563	1.5323	ng/ml	100
T AR1260 1	8.334	0.0	1562354.020	162.3465	ng/ml	100
T AR1260 2	8.883	0.0	89102.982	6.1261	ng/ml	100
T AR1260 3	9.238	0.0	88208.077	6.0341	ng/ml	100
T AR1260 1 #2	9.697	0.0	256610.884	11.8416	ng/ml	100
T AR1260 4	9.880	0.0	1467610.676	162.2125	ng/ml	100
T AR1260 2 #2	10.113	0.0	433883.917	16.1840	ng/ml	100
T AR1260 3 #2	10.378	0.0	420706.971	12.7445	ng/ml	100
T AR1260 5	10.658	0.0	1089004.528	55.7509	ng/ml	100
T AR1260 4 #2	10.823	0.0	207974.031	10.7388	ng/ml	100
T AR1260 5 #2	11.575	0.0	1025659.260	32.6195	ng/ml	100

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

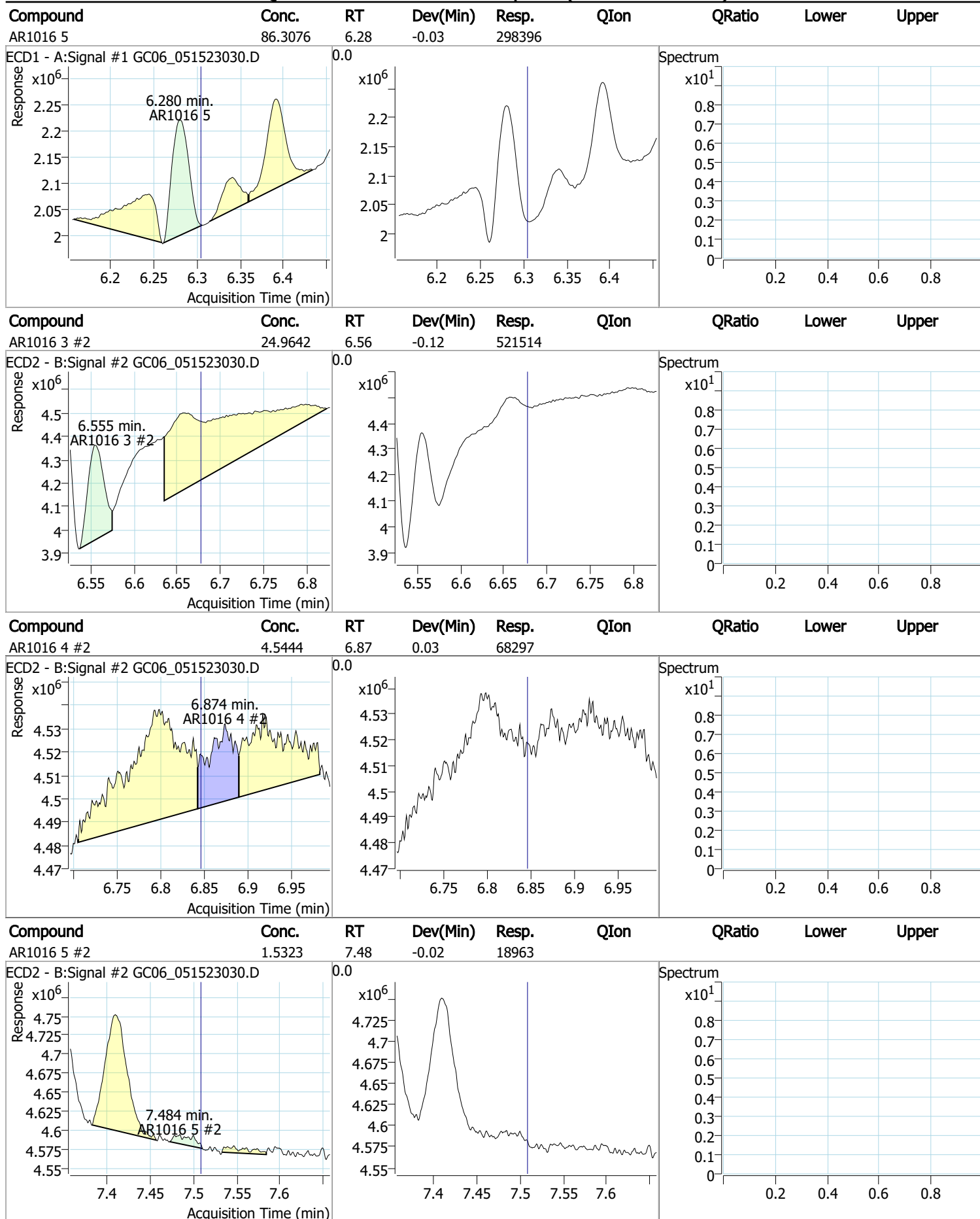
Quantitation Results Report (Not Reviewed)



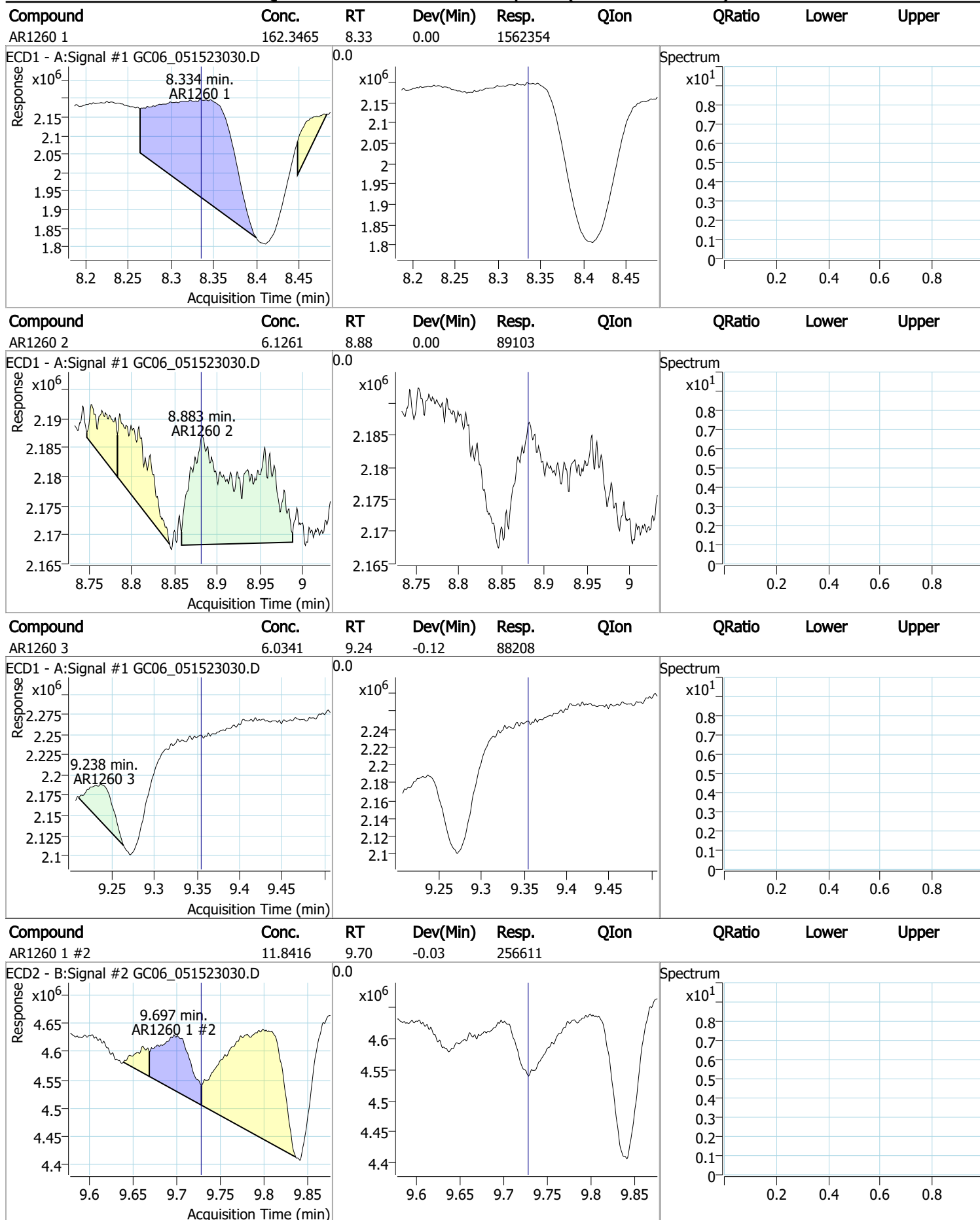
Quantitation Results Report (Not Reviewed)



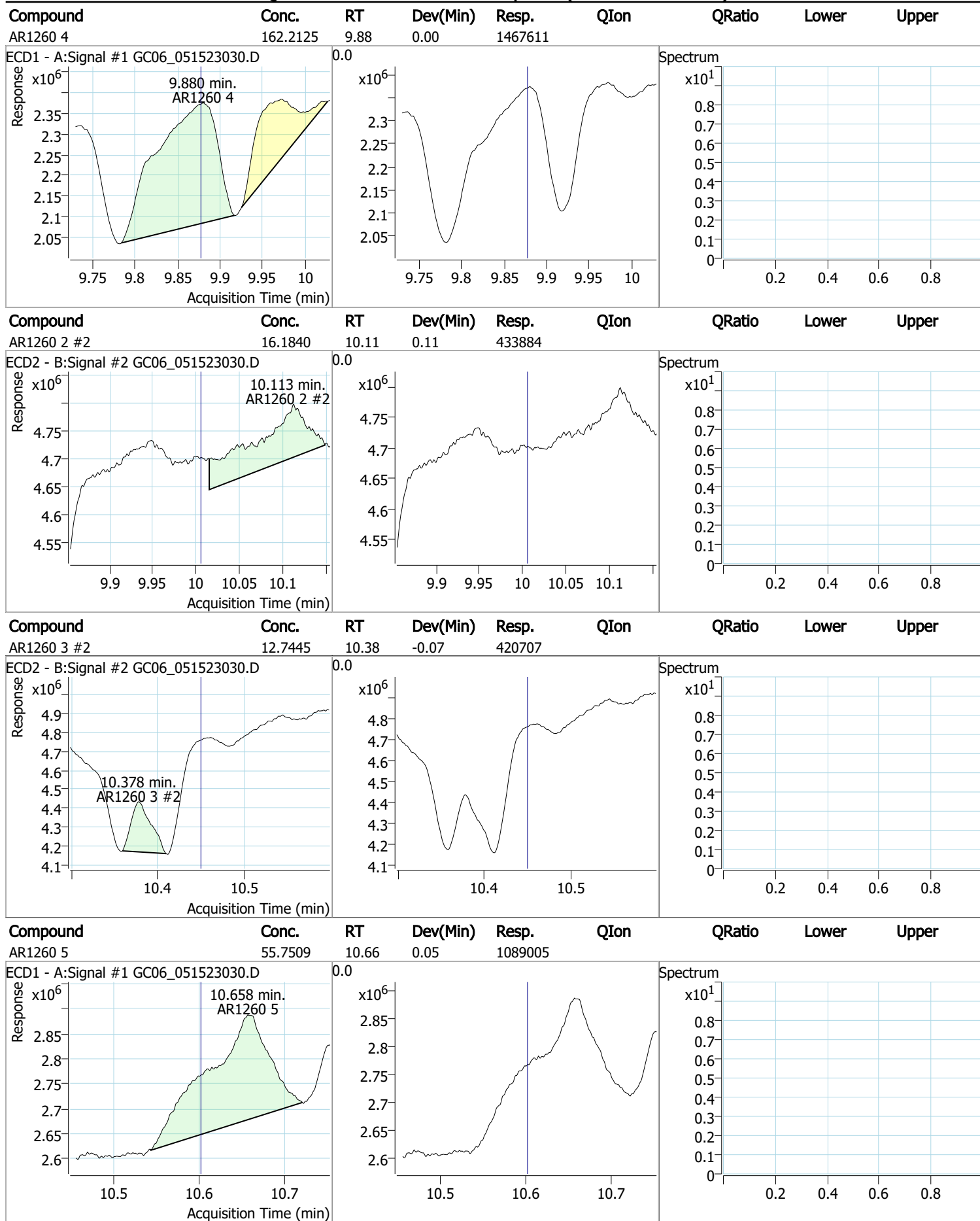
Quantitation Results Report (Not Reviewed)



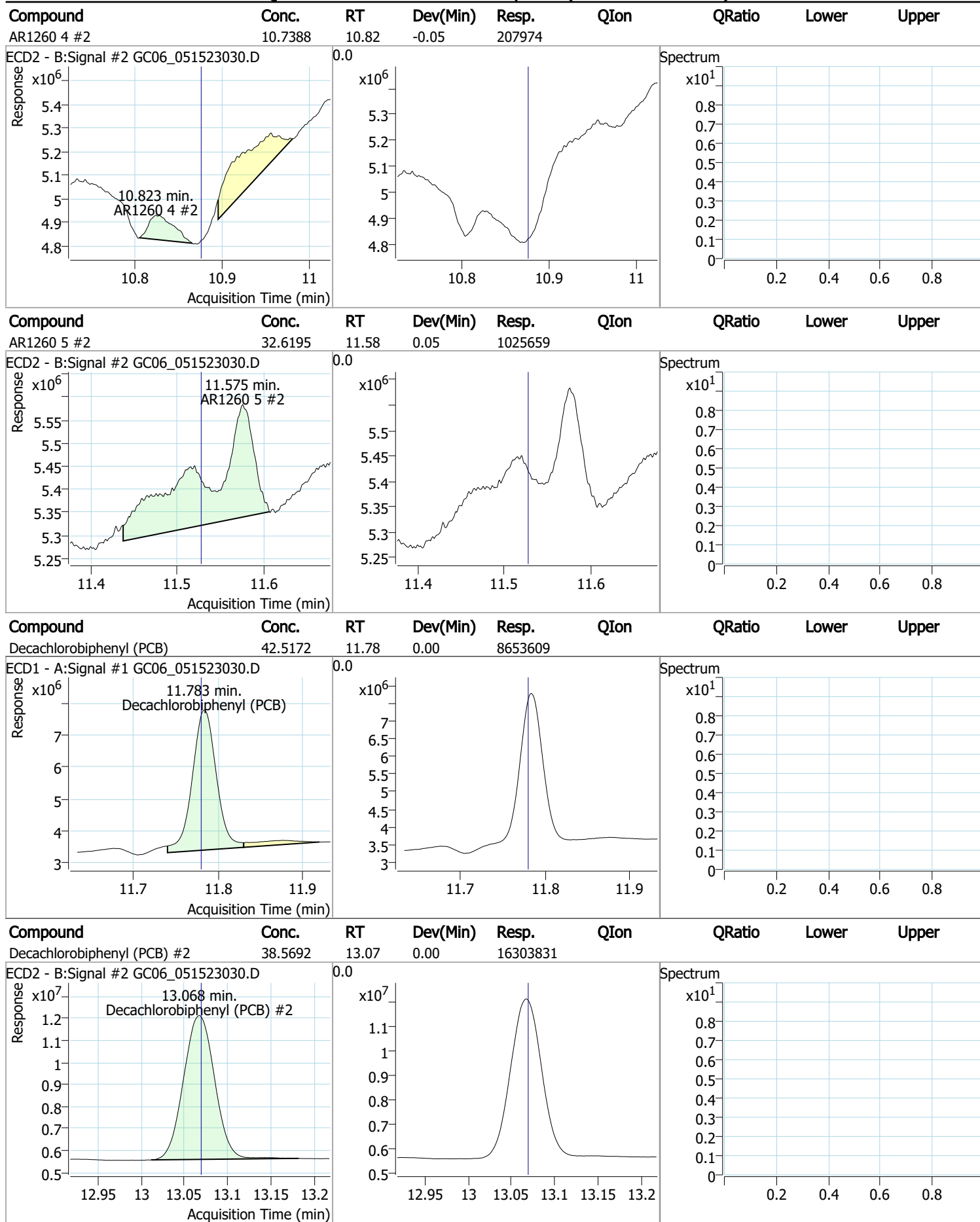
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-019	Client ID: ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-P-LA
Seqnum: 453195120031	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523031	Batch: 313861	Time: 15-MAY-2023 21:57
Cal: 453140432001	Caldate: 07-APR-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	38.68	ND	0.66	52%	0.50		u
Aroclor-1016 Peak # 1	B	51.69	0.52	0.58	11%			
Aroclor-1016 Peak # 2	B	114.6	1.15	0.40	96%			
Aroclor-1016 Peak # 3	B	18.78	0.19	0.87	129%			
Aroclor-1016 Peak # 4	B	7.490	0.07	0.69	161%			
Aroclor-1016 Peak # 5	B	0.8705	0.01	0.77	196%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	15.83	ND	0.84	136%	0.50		u
Aroclor-1260 Peak # 1	B	11.70	0.12	1.85	176%			
Aroclor-1260 Peak # 2	B	22.07	0.22	0.04	142%			
Aroclor-1260 Peak # 3	B	11.80	0.12	0.05	79%			
Aroclor-1260 Peak # 4	B	9.814	0.10	1.60	177%			
Aroclor-1260 Peak # 5	B	23.79	0.24	0.64	91%			
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	36.23	0.5000	0.3623	72	19-121	u
Decachlorobiphenyl (PCB)	B	33.45	0.5000	0.3345	67	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, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7393175	-18.91
1-bromo-2-nitrobenzene (PCB)	A	3337014	2821855	-15.44

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.10	-0.01

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

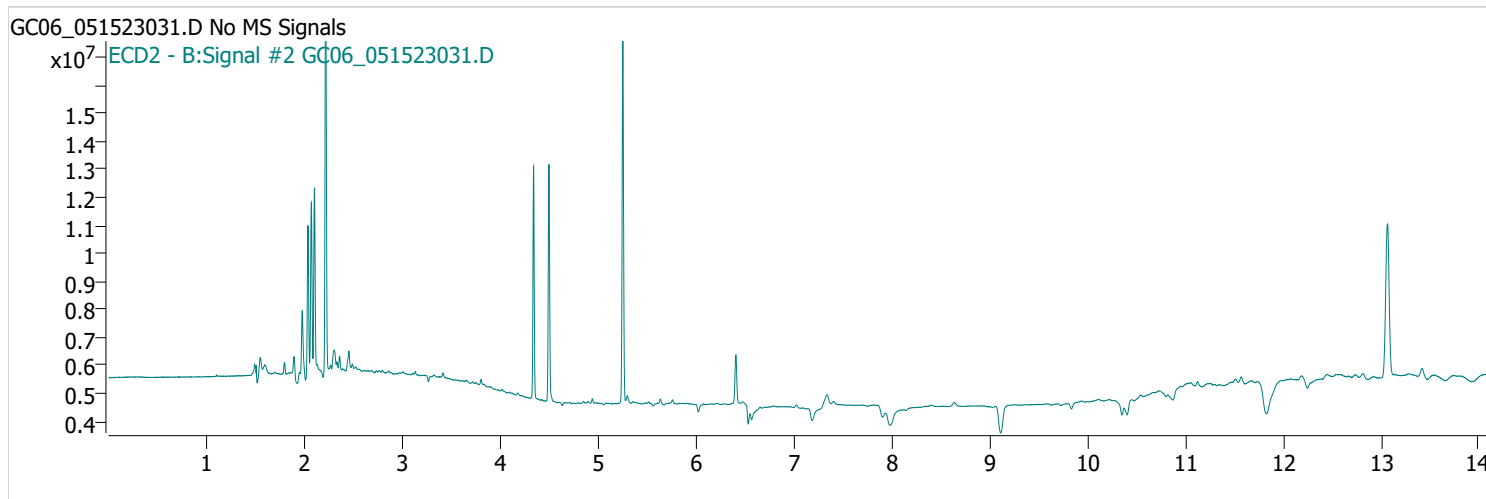
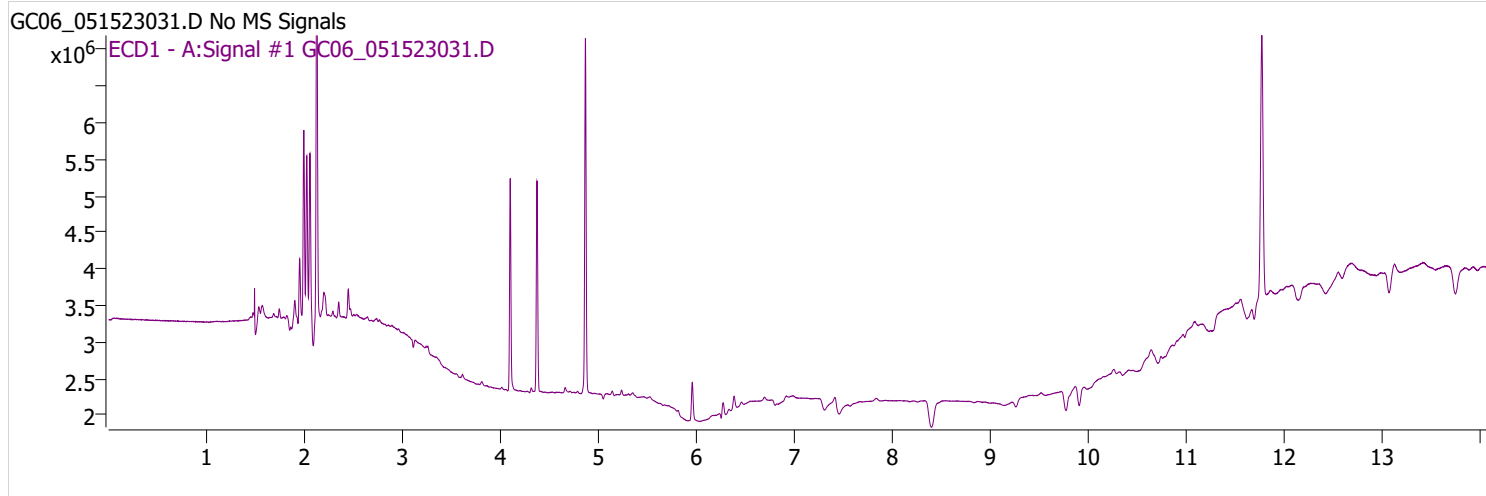
U=Use

Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_051523031.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 9:57:45 PM
Sample Name	484907-019, 313861, 1	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.104	0.0	2821854.997	20.0000	ng/ml	-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	7393174.683	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.873	0.0	4994888.650	34.6562	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.28%	*	
S TCMX (PCB) #2	5.255	0.0	13263980.659	36.2310	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.15%	*	
S Decachlorobiphenyl (PCB)	11.783	0.0	7296741.739	36.6945	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.47%	*	
S Decachlorobiphenyl (PCB) #2	13.067	0.0	13762432.919	33.4483	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.24%	*	

Target Compounds

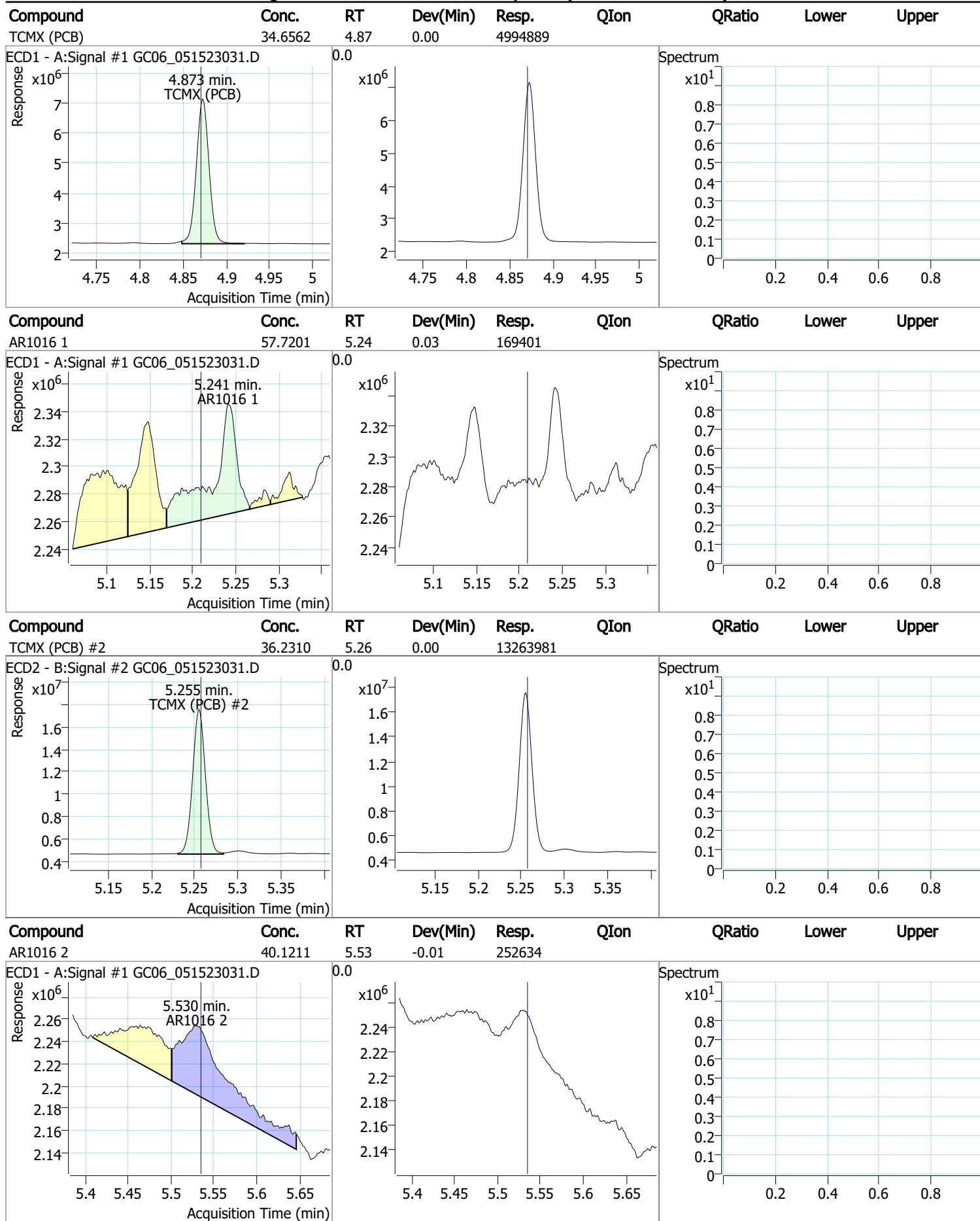
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Quantitation Results Report (Not Reviewed)

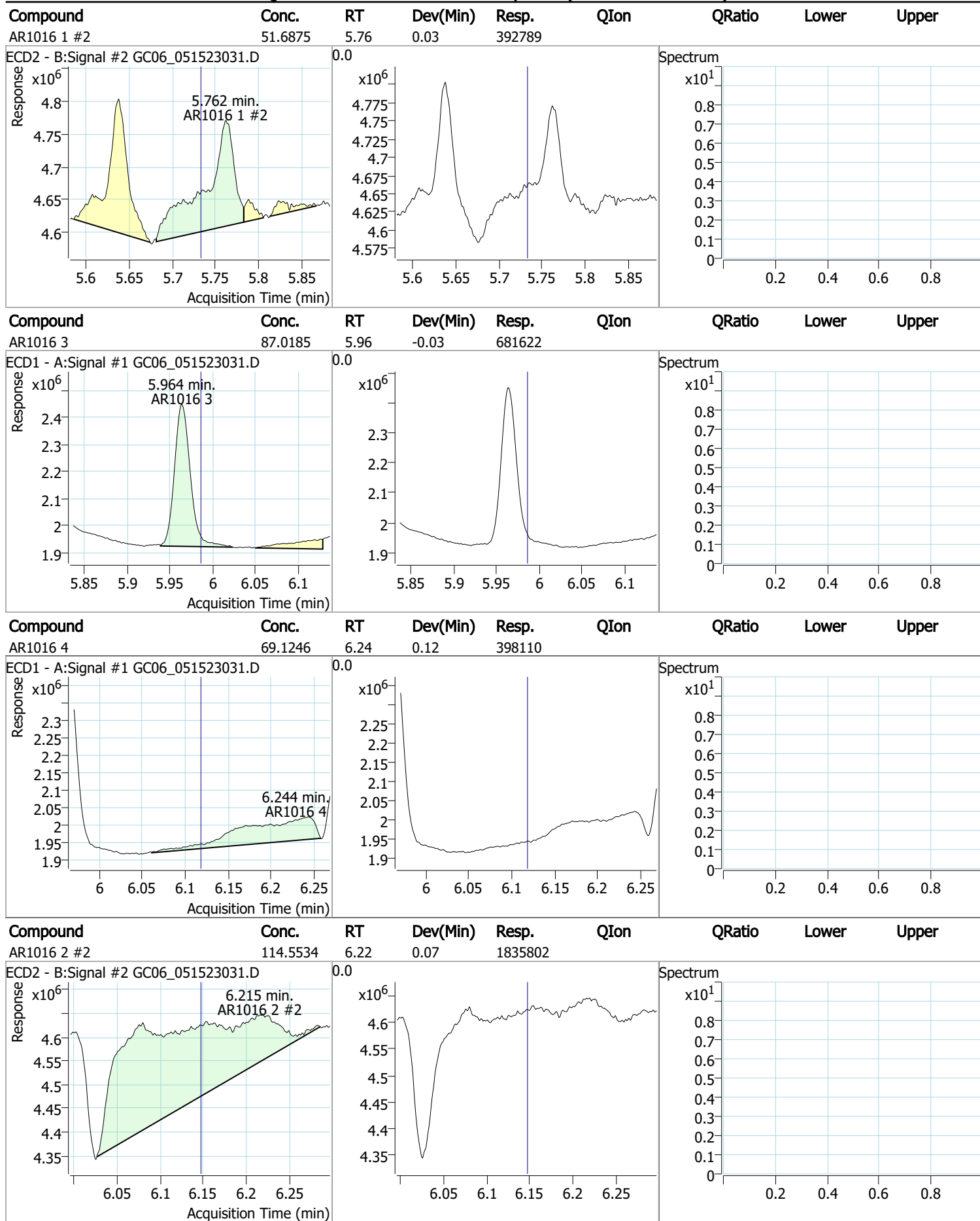
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.241	0.0	169400.562	57.7201	ng/ml	100
T AR1016 2	5.530	0.0	252633.555	40.1211	ng/ml	100
T AR1016 1 #2	5.762	0.0	392789.411	51.6875	ng/ml	100
T AR1016 3	5.964	0.0	681622.484	87.0185	ng/ml	100
T AR1016 4	6.244	0.0	398110.452	69.1246	ng/ml	100
T AR1016 2 #2	6.215	0.0	1835802.449	114.5534	ng/ml	100
T AR1016 5	6.279	0.0	259387.381	76.7909	ng/ml	100
T AR1016 3 #2	6.554	0.0	381822.214	18.7777	ng/ml	100
T AR1016 4 #2	6.877	0.0	109565.720	7.4900	ng/ml	100
T AR1016 5 #2	7.483	0.0	10485.858	0.8705	ng/ml	100
T AR1260 1	8.336	0.0	1740022.482	185.0644	ng/ml	100
T AR1260 2	8.880	0.0	53427.925	3.7598	ng/ml	100
T AR1260 3	9.237	0.0	73098.802	5.1182	ng/ml	100
T AR1260 1 #2	9.703	0.0	246810.149	11.7011	ng/ml	100
T AR1260 4	9.876	0.0	1415755.211	160.1646	ng/ml	100
T AR1260 2 #2	9.948	0.0	575822.162	22.0662	ng/ml	100
T AR1260 3 #2	10.375	0.0	379239.033	11.8028	ng/ml	100
T AR1260 5	10.656	0.0	1216430.596	63.7403	ng/ml	100
T AR1260 4 #2	10.822	0.0	184994.063	9.8137	ng/ml	100
T AR1260 5 #2	11.515	0.0	727973.979	23.7858	ng/ml	100

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

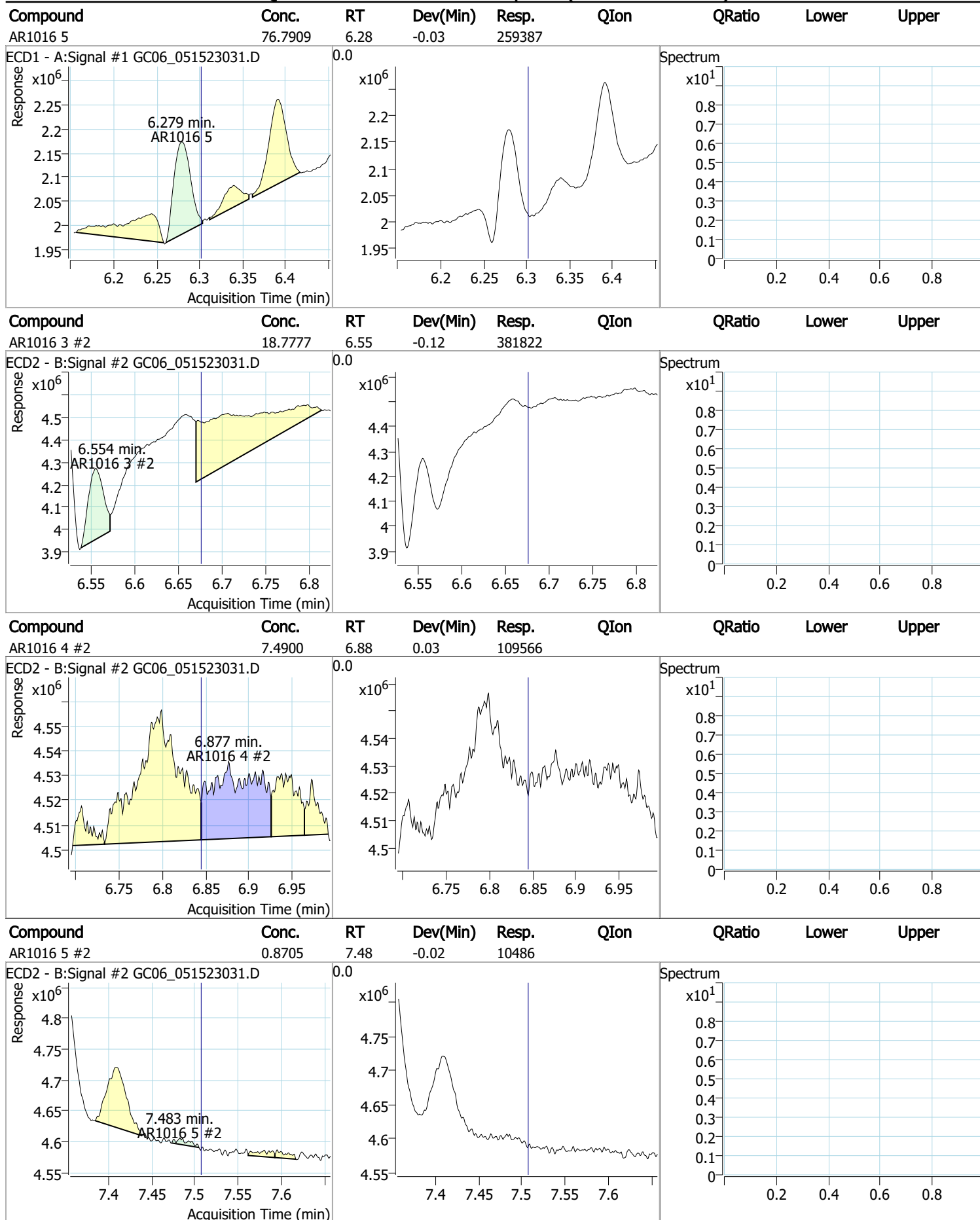
Quantitation Results Report (Not Reviewed)



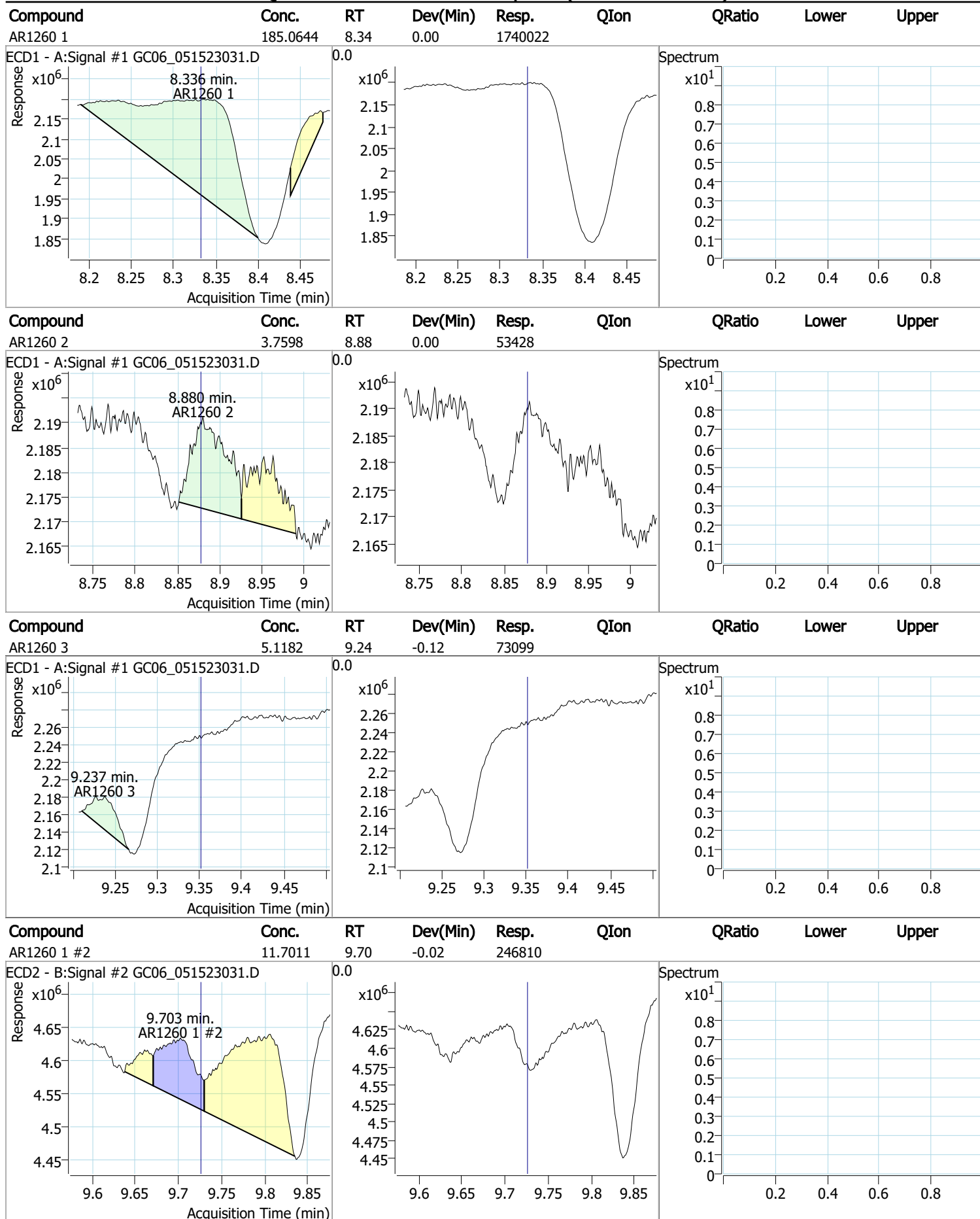
Quantitation Results Report (Not Reviewed)



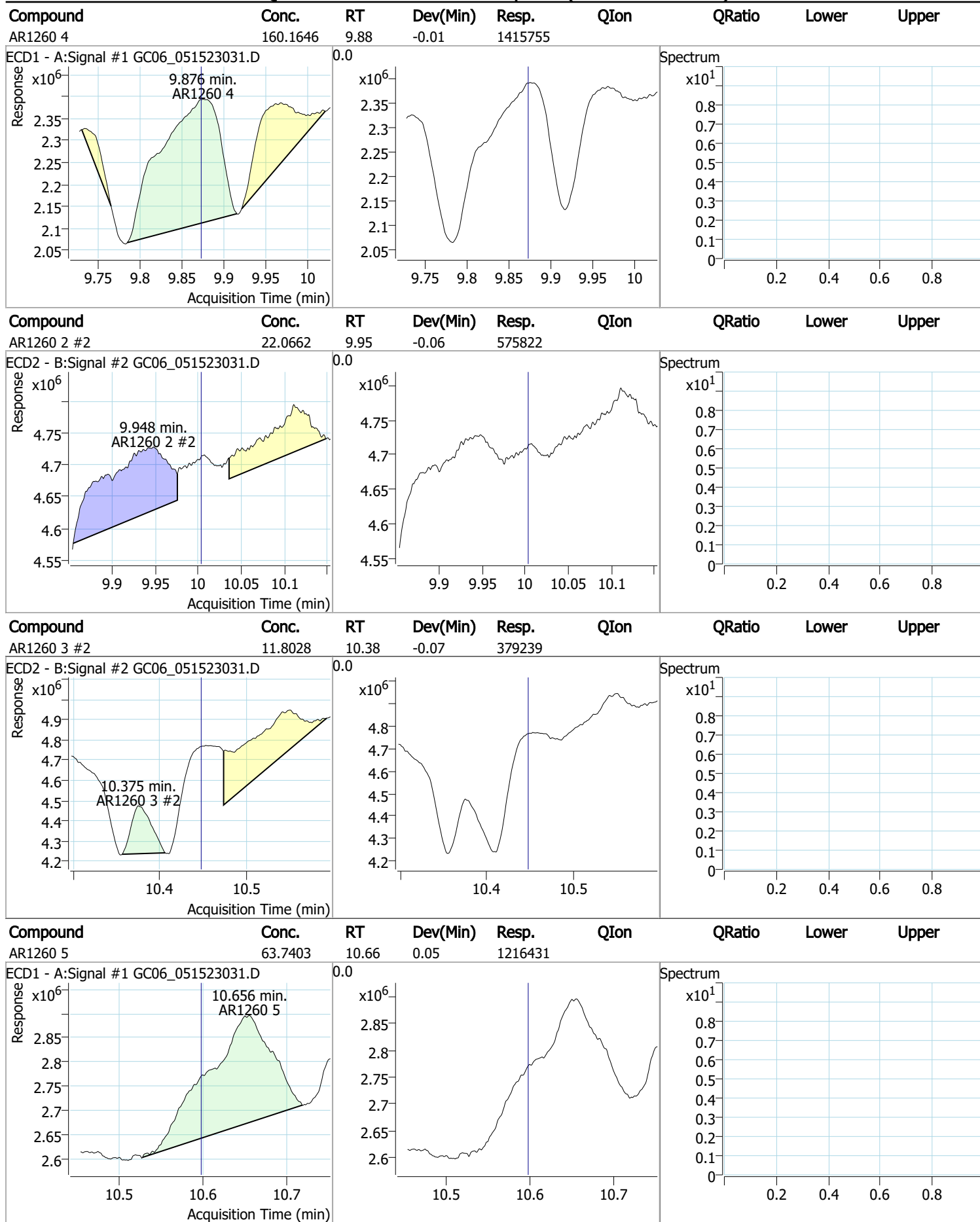
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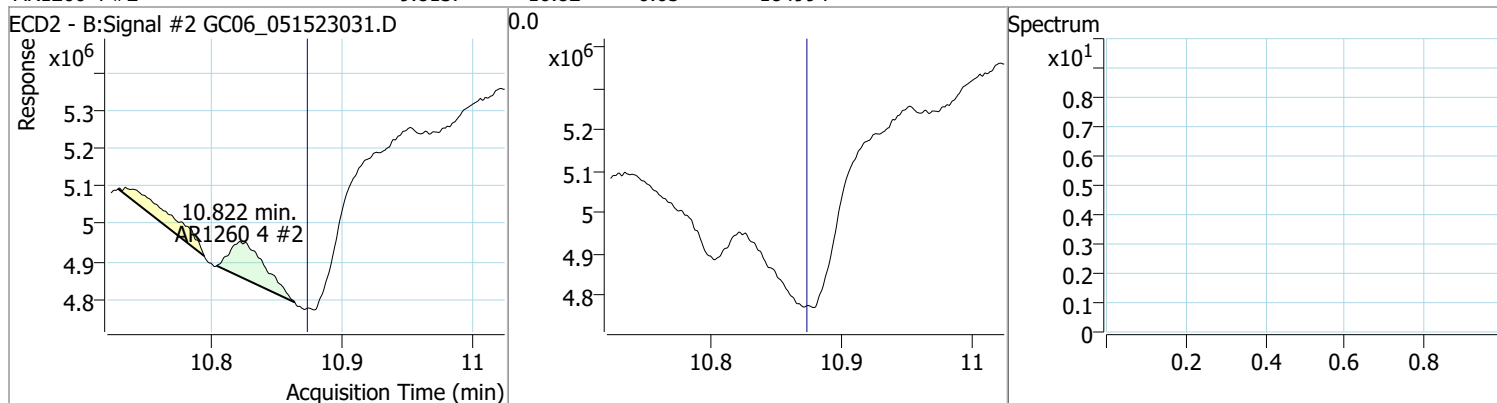


Quantitation Results Report (Not Reviewed)

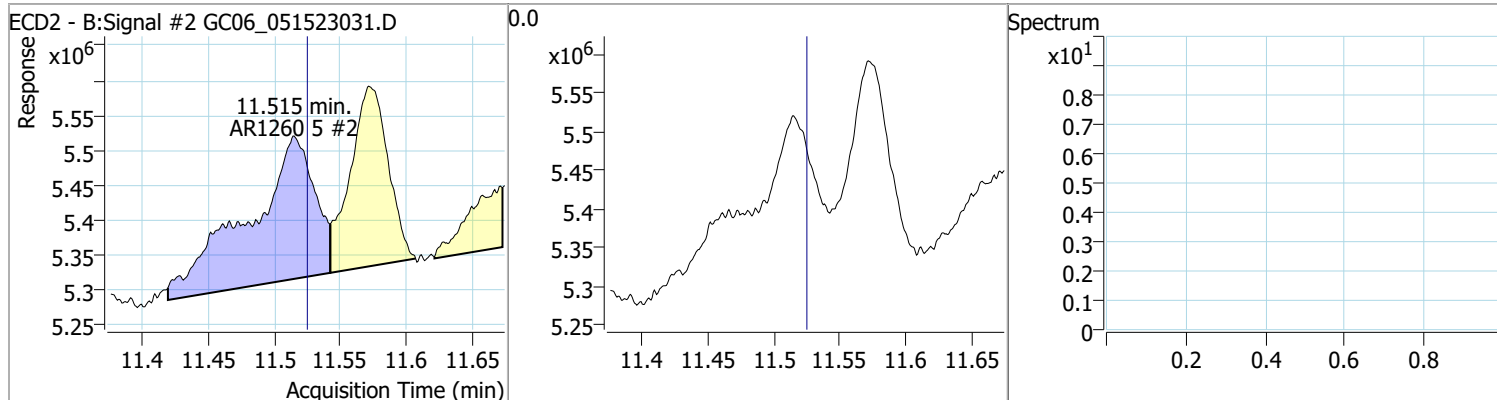


Quantitation Results Report (Not Reviewed)

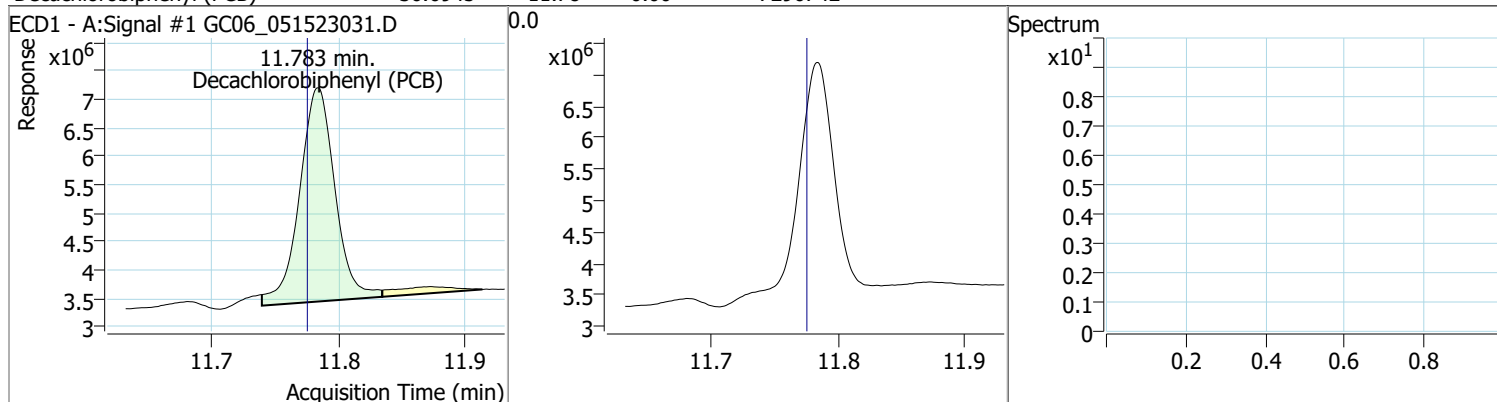
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	9.8137	10.82	-0.05	184994				



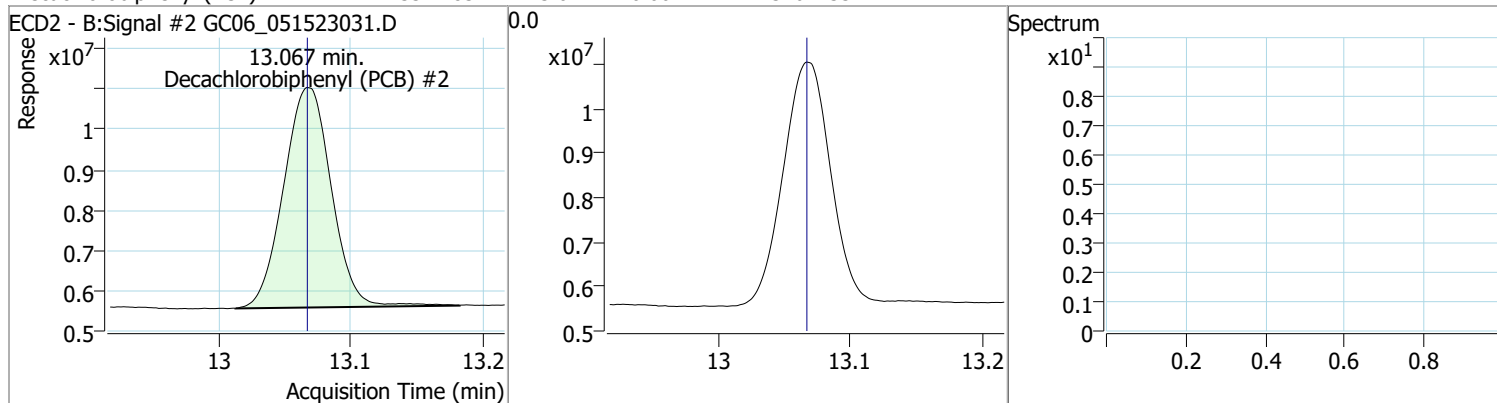
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.7858	11.52	-0.01	727974				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.6945	11.78	0.00	7296742				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.4483	13.07	0.00	13762433				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-021	Client ID: ARCH-C7E-PS-2.5-230509-P-G
Seqnum: 453195120032	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523032	Batch: 313861	Time: 15-MAY-2023 22:16
Cal: 453140432001	Caldate: 07-APR-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	25.96	ND	1.4	137%	0.50		u
Aroclor-1016 Peak # 1	B	47.93	0.48	0.62	26%			
Aroclor-1016 Peak # 2	B	45.76	0.46	0.34	30%			
Aroclor-1016 Peak # 3	B	21.03	0.21	3.86	179%			
Aroclor-1016 Peak # 4	B	11.83	0.12	1.37	168%			
Aroclor-1016 Peak # 5	B	3.260	0.03	0.80	184%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	10.81	ND	0.82	153%	0.50		u
Aroclor-1260 Peak # 1	B	14.79	0.15	1.95	172%			
Aroclor-1260 Peak # 2	B	5.600	0.06	0.01	119%			
Aroclor-1260 Peak # 3	B	10.83	0.11	0.06	58%			
Aroclor-1260 Peak # 4	B	7.936	0.08	1.59	181%			
Aroclor-1260 Peak # 5	B	14.87	0.15	0.46	103%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.37	0.5000	0.3937	79	19-121	u
Decachlorobiphenyl (PCB)	B	35.35	0.5000	0.3535	71	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7712205	-15.42
1-bromo-2-nitrobenzene (PCB)	A	3337014	2924455	-12.36

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

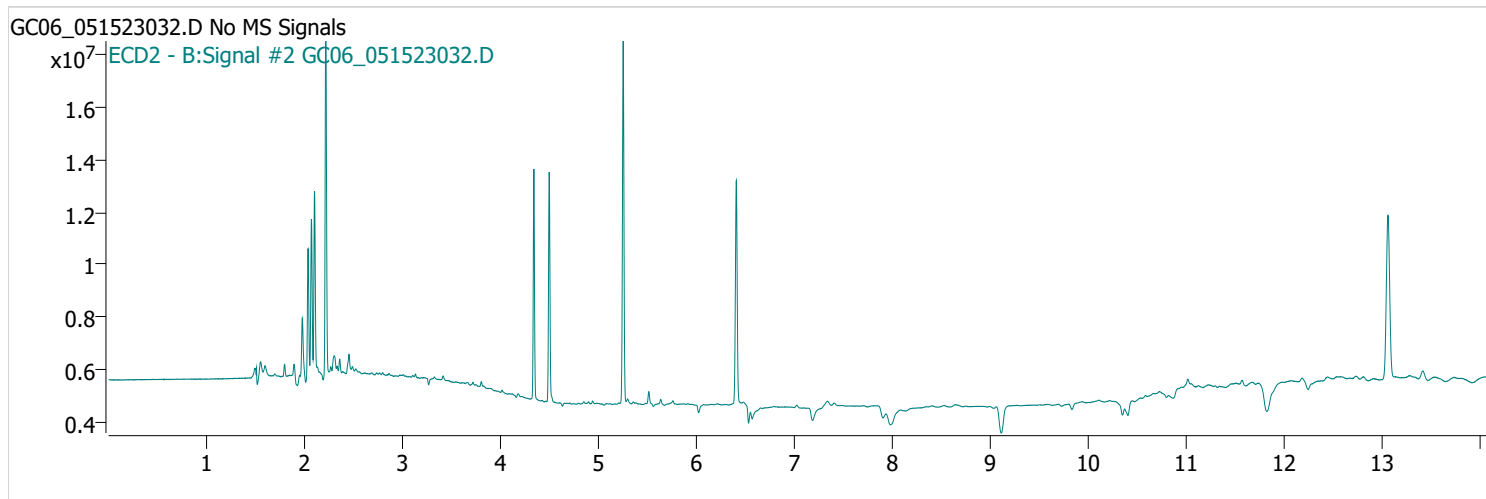
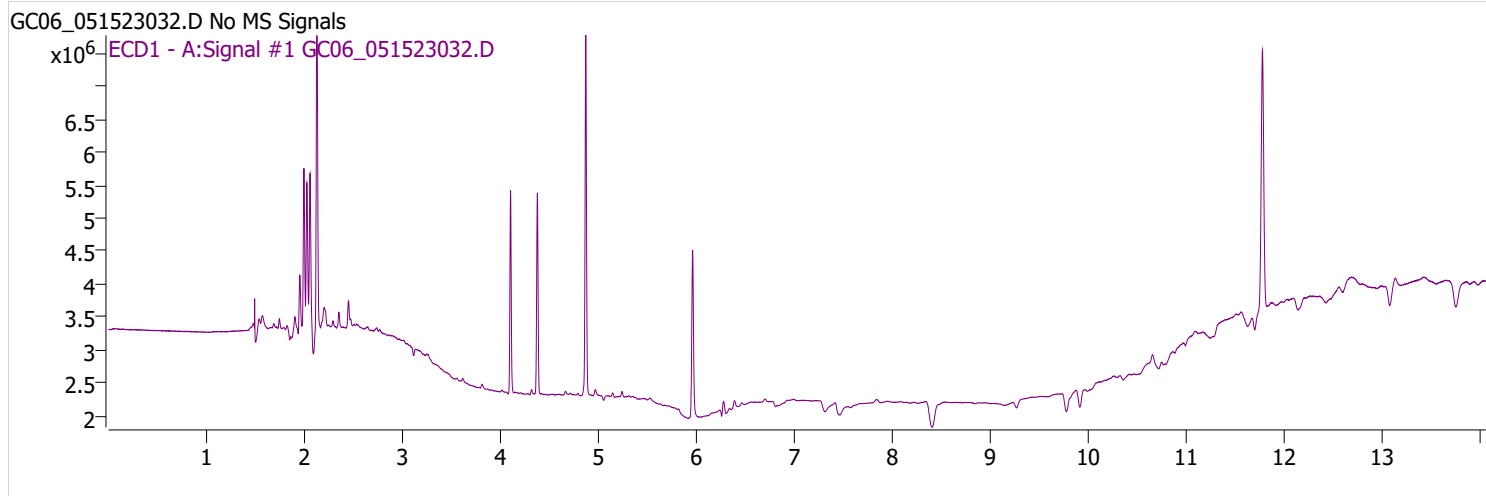
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Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_051523032.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 10:16:21 PM
Sample Name	484907-021, 313861, 1	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.105	0.0	2924454.926	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	7712204.694	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.873	0.0	5554875.272	37.1894	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.95%	*	
S TCMX (PCB) #2	5.256	0.0	15033405.009	39.3655	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.83%	*	
S Decachlorobiphenyl (PCB)	11.783	0.0	8332374.258	40.4325	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.16%	*	
S Decachlorobiphenyl (PCB) #2	13.066	0.0	15174302.264	35.3542	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.77%	*	

Target Compounds

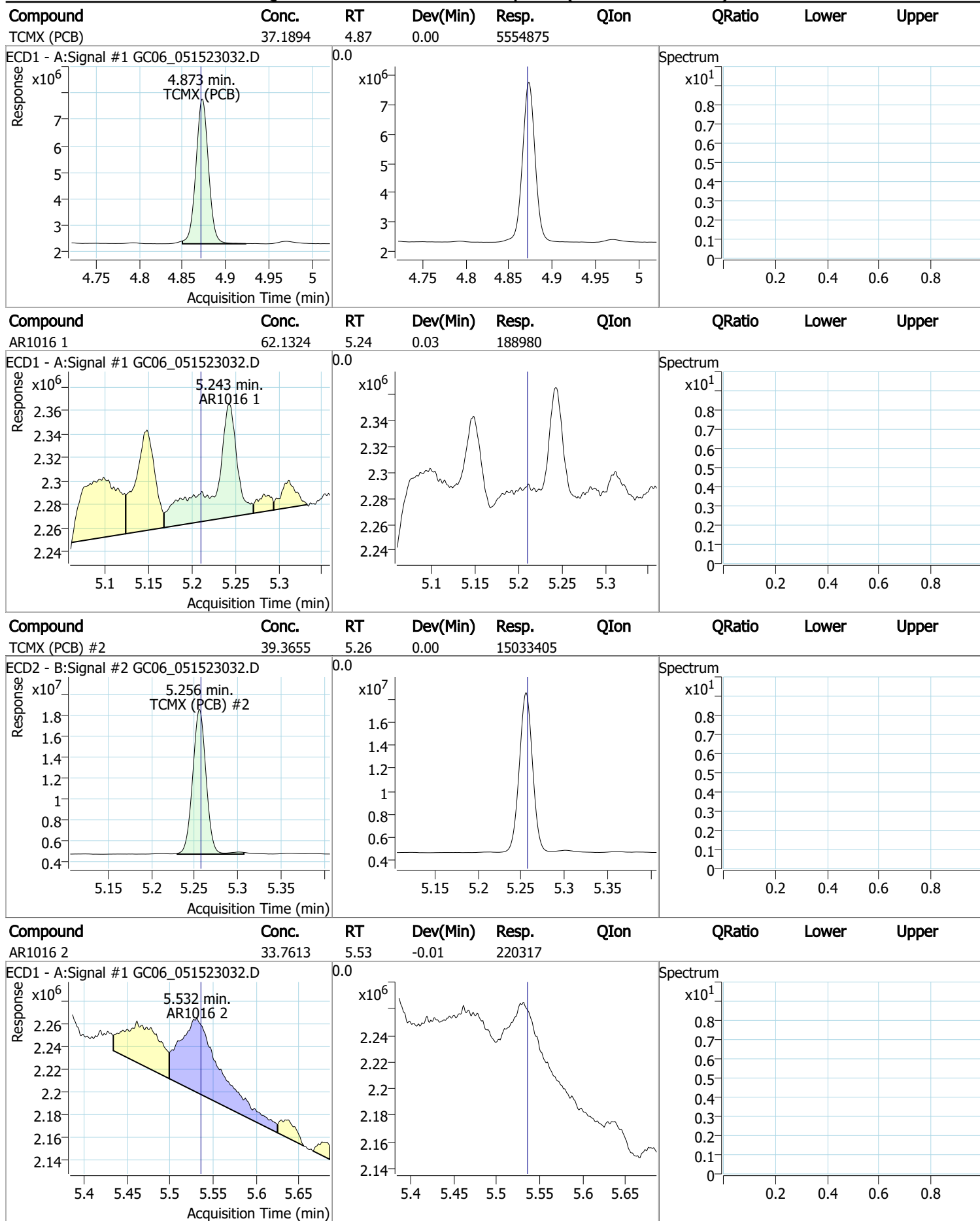
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Quantitation Results Report (Not Reviewed)

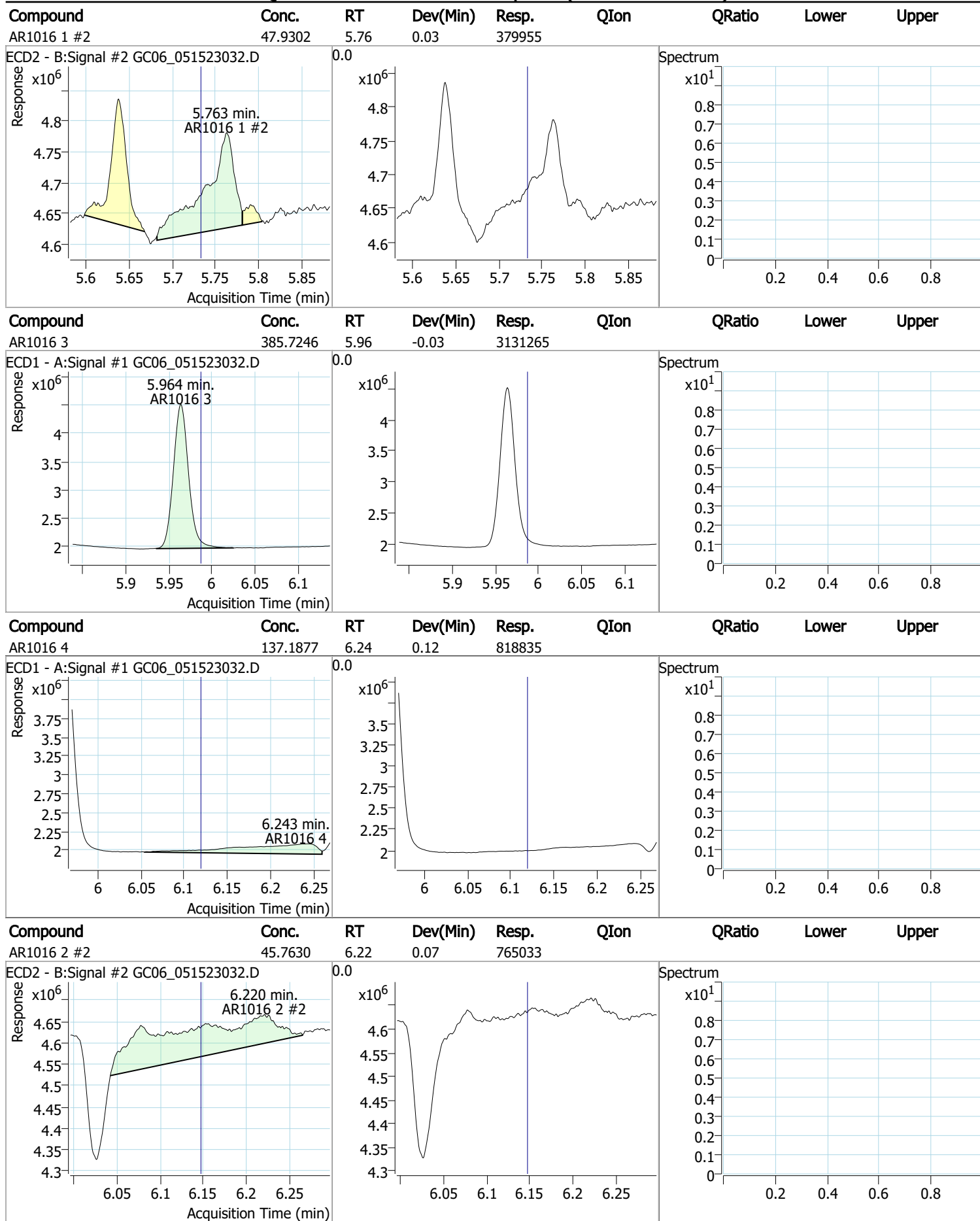
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.243	0.0	188980.106	62.1324	ng/ml	100
T AR1016 2	5.532	0.0	220316.627	33.7613	ng/ml	100
T AR1016 1 #2	5.763	0.0	379954.681	47.9302	ng/ml	100
T AR1016 3	5.964	0.0	3131264.767	385.7246	ng/ml	100
T AR1016 4	6.243	0.0	818834.657	137.1877	ng/ml	100
T AR1016 2 #2	6.220	0.0	765032.703	45.7630	ng/ml	100
T AR1016 5	6.280	0.0	280627.095	80.1642	ng/ml	100
T AR1016 3 #2	6.555	0.0	446105.064	21.0315	ng/ml	100
T AR1016 4 #2	6.803	0.0	180505.748	11.8291	ng/ml	100
T AR1016 5 #2	7.494	0.0	40961.125	3.2598	ng/ml	100
T AR1260 1	8.345	0.0	1900763.646	195.0680	ng/ml	100
T AR1260 2	8.803	0.0	20918.109	1.4204	ng/ml	100
T AR1260 3	9.236	0.0	88683.666	5.9916	ng/ml	100
T AR1260 1 #2	9.700	0.0	325424.038	14.7899	ng/ml	100
T AR1260 4	9.883	0.0	1458277.347	159.1872	ng/ml	100
T AR1260 2 #2	10.034	0.0	152442.475	5.6001	ng/ml	100
T AR1260 3 #2	10.377	0.0	362922.812	10.8277	ng/ml	100
T AR1260 5	10.660	0.0	916846.584	46.3568	ng/ml	100
T AR1260 4 #2	10.823	0.0	156062.704	7.9364	ng/ml	100
T AR1260 5 #2	11.576	0.0	474839.991	14.8731	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)

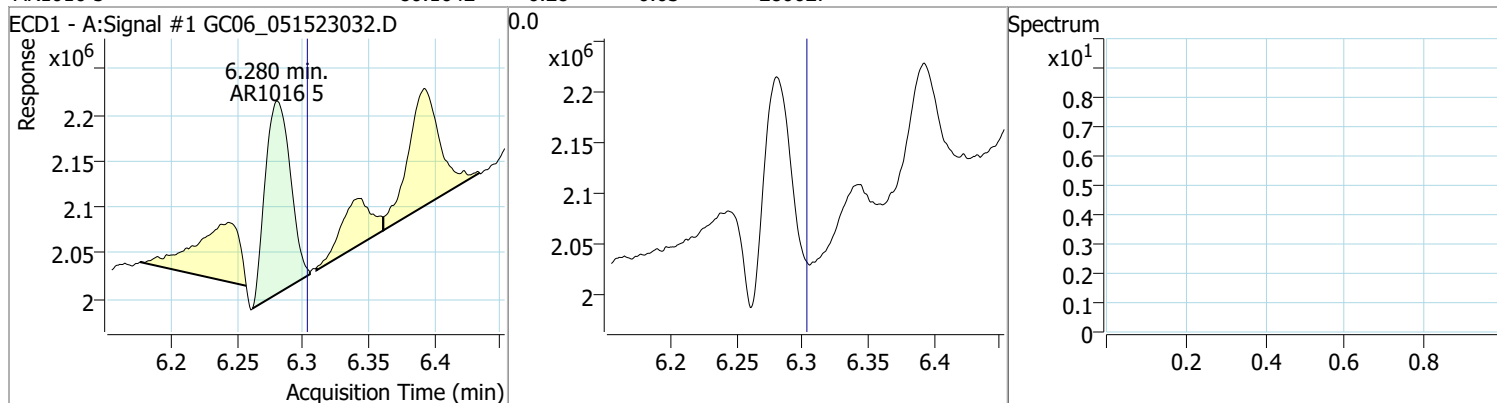


Quantitation Results Report (Not Reviewed)

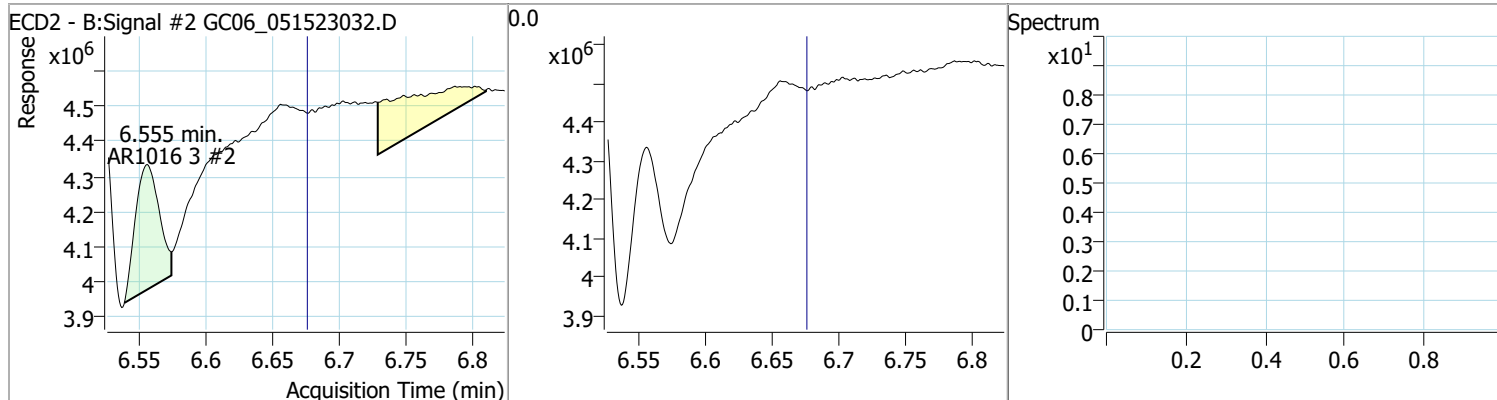


Quantitation Results Report (Not Reviewed)

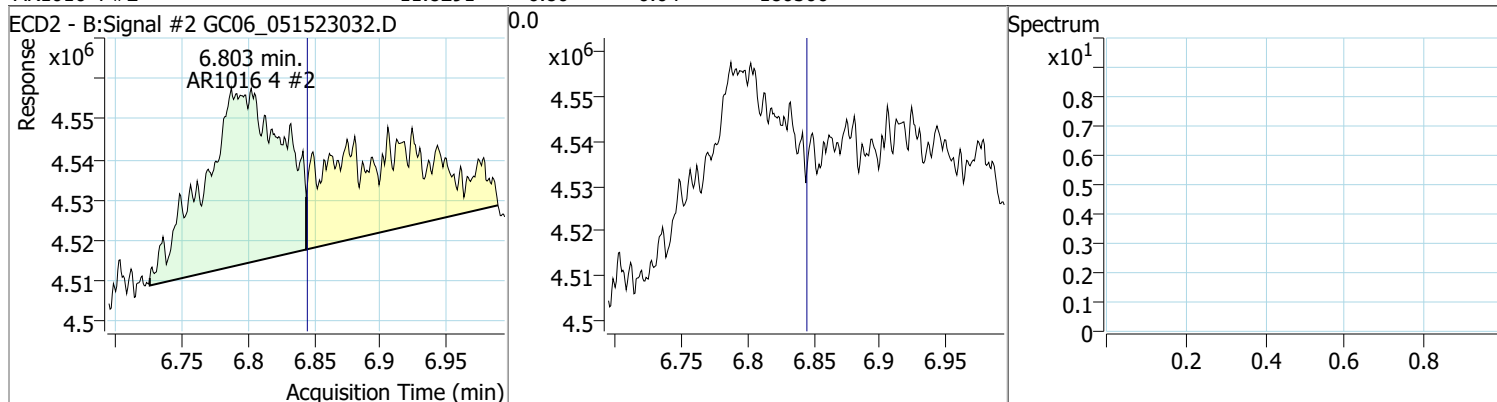
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	80.1642	6.28	-0.03	280627				



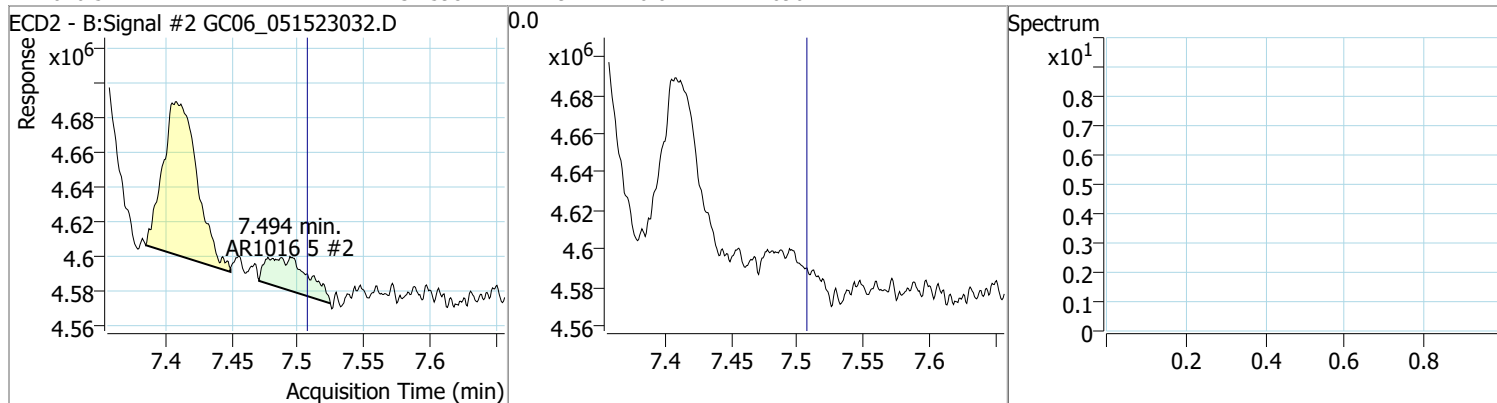
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	21.0315	6.56	-0.12	446105				



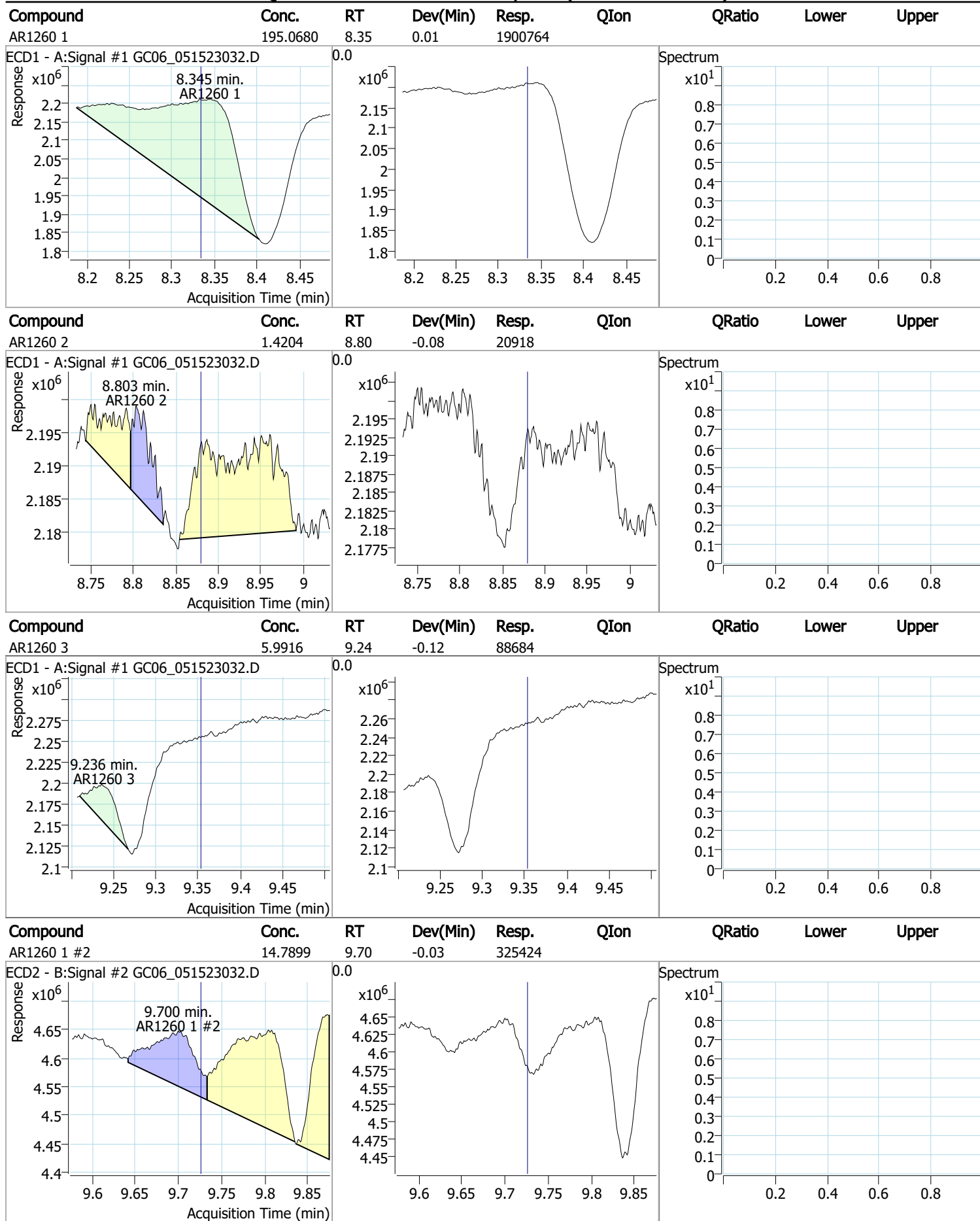
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.8291	6.80	-0.04	180506				



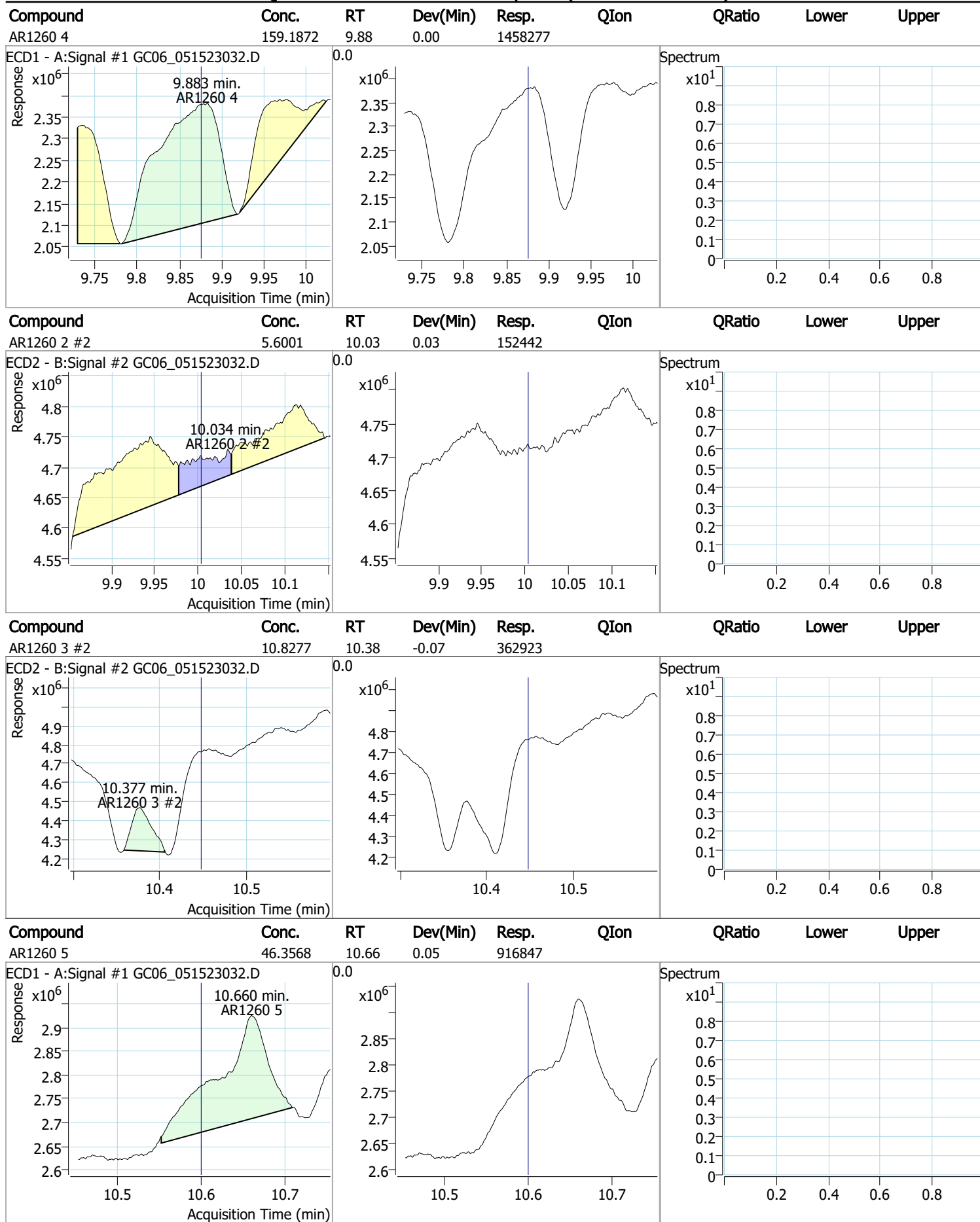
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.2598	7.49	-0.01	40961				



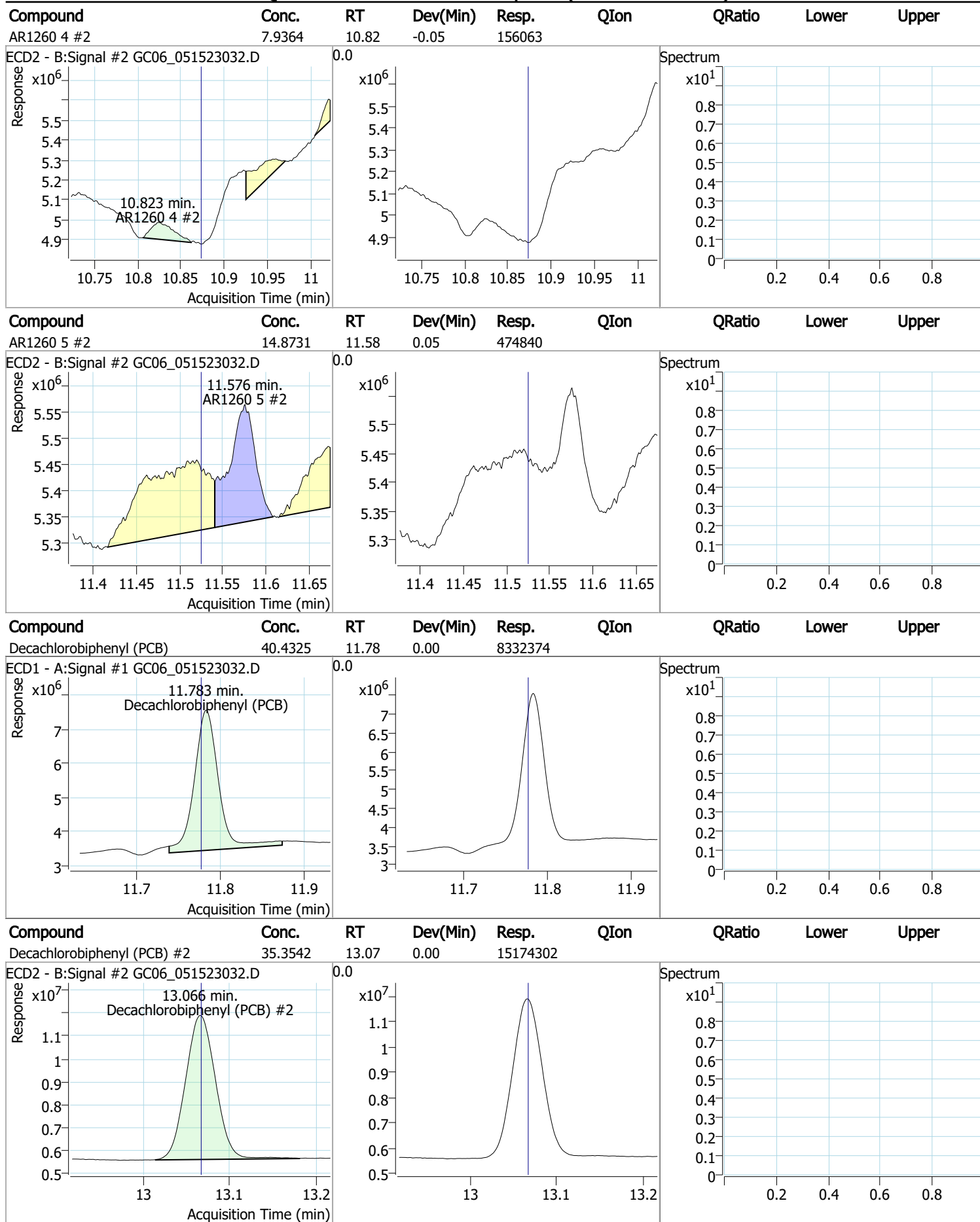
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 484907-023	Client ID: ARCH-C6E-DG-3 TO 3.5-230509-P-FB
Seqnum: 453195120033	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_051523033	Batch: 313861	Time: 15-MAY-2023 22:34
Cal: 453140432001	Caldate: 07-APR-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	75.64	0.76 ^{FP}	1.1	41%	0.50		X U
Aroclor-1016 Peak # 1	B	80.36	0.80	0.70	13%			
Aroclor-1016 Peak # 2	B	138.6	1.39	0.33	123%			
Aroclor-1016 Peak # 3	B	124.3	1.24	0.79	44%			
Aroclor-1016 Peak # 4	B	2.334	0.02	2.97	197%			
Aroclor-1016 Peak # 5	B	32.51	0.33	0.92	95%			
Aroclor-1221	B		ND			0.50		U
Aroclor-1232	B		ND			0.50		U
Aroclor-1242	B		ND			0.50		U
Aroclor-1248	B		ND			0.50		U
Aroclor-1254	B		ND			0.50		U
Aroclor-1260	B	16.76	ND	0.84	134%	0.50		U
Aroclor-1260 Peak # 1	B	15.39	0.15	1.93	170%			
Aroclor-1260 Peak # 2	B	27.73	0.28	0.04	152%			
Aroclor-1260 Peak # 3	B	11.64	0.12	0.05	72%			
Aroclor-1260 Peak # 4	B	10.30	0.10	1.64	176%			
Aroclor-1260 Peak # 5	B	18.71	0.19	0.54	97%			
Aroclor-1262	B		ND			0.50		U
Aroclor-1268	B		ND			0.50		U

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	44.06	0.5000	0.4406	88	19-121	U
Decachlorobiphenyl (PCB)	B	38.24	0.5000	0.3824	76	19-121	U

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7665242	-15.93
1-bromo-2-nitrobenzene (PCB)	A	3337014	2894387	-13.26

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.10	-0.01

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

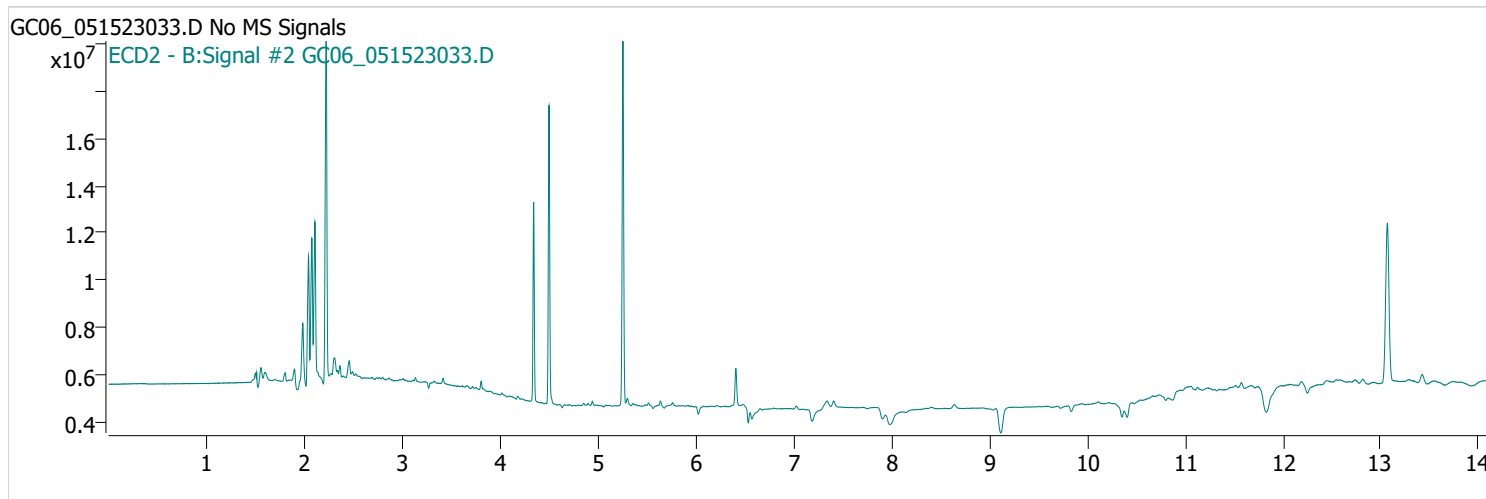
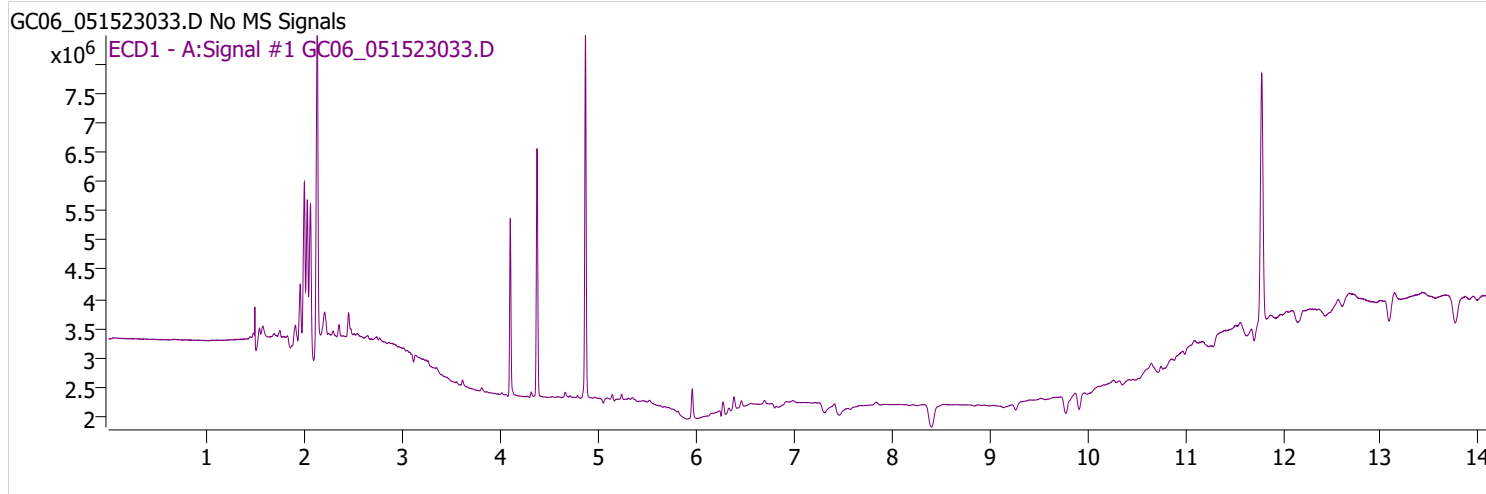
u=use x=false positive

Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_051523033.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 10:34:37 PM
Sample Name	484907-023, 313861, 1	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.104	0.0	2894386.57 1	20.0000	ng/ml	-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	7665241.74 0	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.873	0.0	6265760.06 2	42.3845	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.92%	*	
S TCMX (PCB) #2	5.256	0.0	16722693.0 29	44.0573	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.29%	*	
S Decachlorobiphenyl (PCB)	11.783	0.0	8664427.46 2	42.4806	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.40%	*	
S Decachlorobiphenyl (PCB) #2	13.067	0.0	16313070.7 86	38.2402	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.20%	*	

Target Compounds

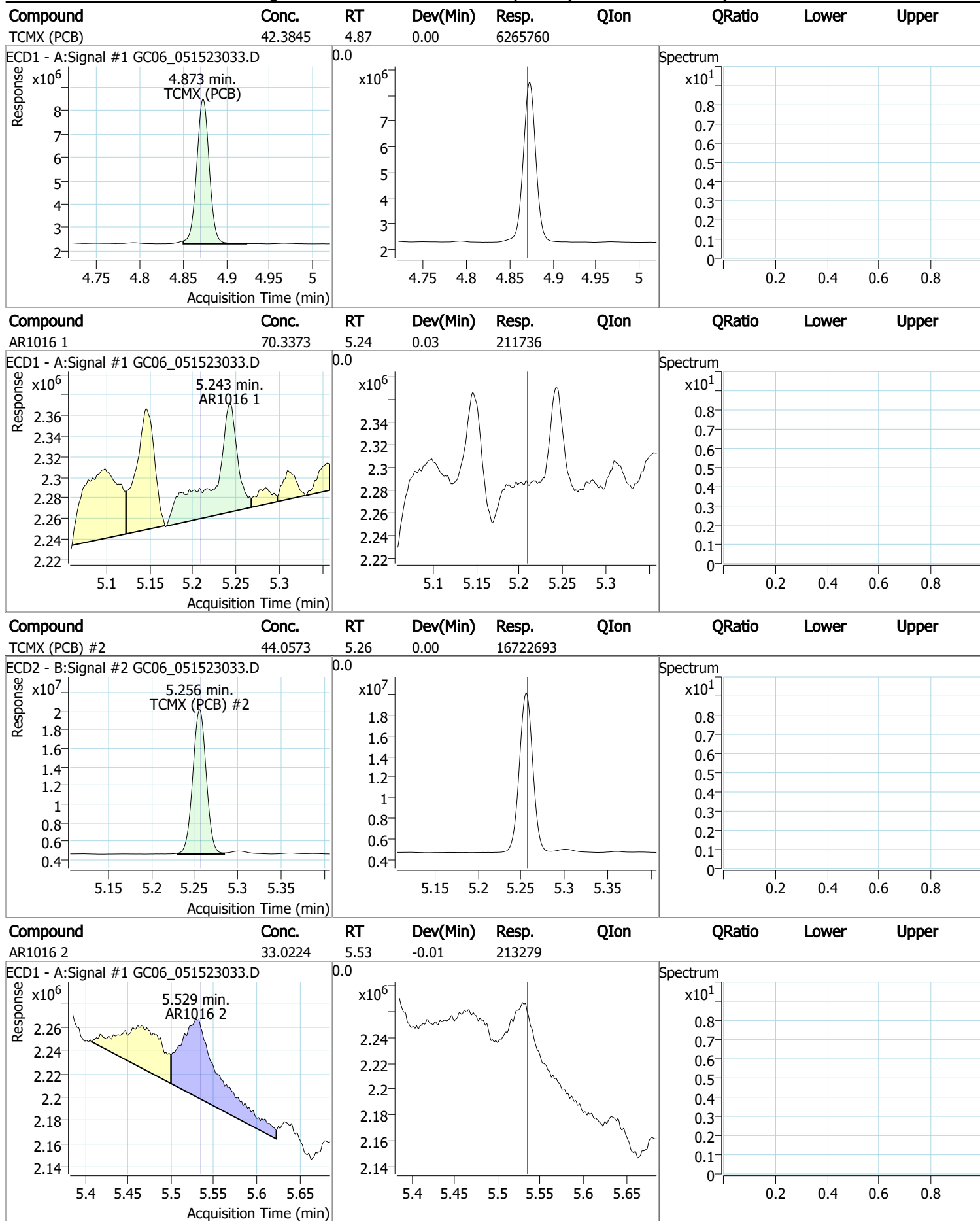
QValue

Quantitation Results Report (Not Reviewed)

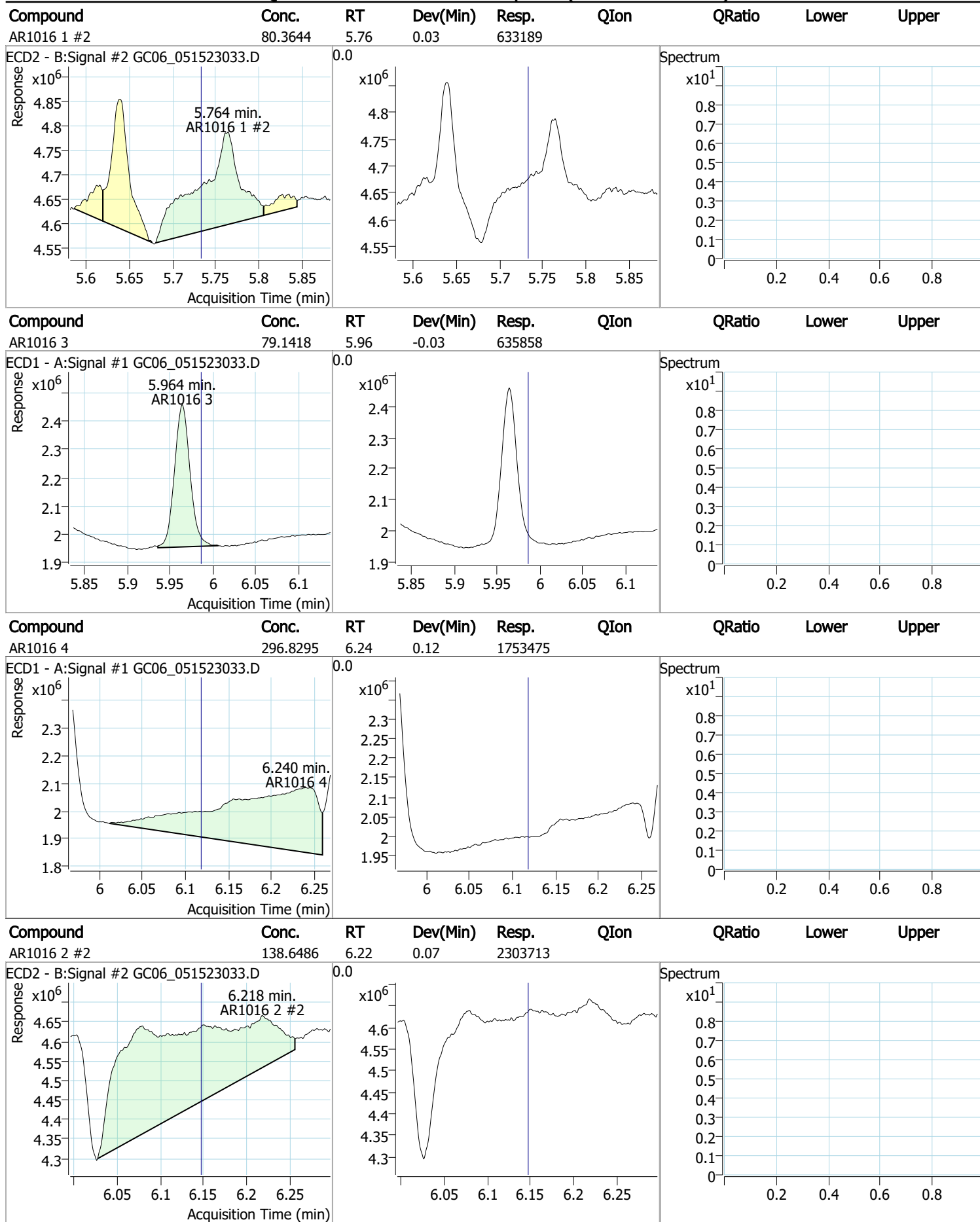
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.243	0.0	211736.086	70.3373	ng/ml	100
T AR1016 2	5.529	0.0	213278.886	33.0224	ng/ml	100
T AR1016 1 #2	5.764	0.0	633188.763	80.3644	ng/ml	100
T AR1016 3	5.964	0.0	635858.104	79.1418	ng/ml	100
T AR1016 4	6.240	0.0	1753475.110	296.8295	ng/ml	100
T AR1016 2 #2	6.218	0.0	2303713.134	138.6486	ng/ml	100
T AR1016 5	6.278	0.0	318323.194	91.8772	ng/ml	100
T AR1016 3 #2	6.793	0.0	2621377.570	124.3413	ng/ml	100
T AR1016 4 #2	6.871	0.0	35393.027	2.3336	ng/ml	100
T AR1016 5 #2	7.409	0.0	406083.877	32.5149	ng/ml	100
T AR1260 1	8.329	0.0	1860619.717	192.9318	ng/ml	100
T AR1260 2	8.884	0.0	55169.192	3.7850	ng/ml	100
T AR1260 3	9.233	0.0	79873.767	5.4524	ng/ml	100
T AR1260 1 #2	9.700	0.0	336633.813	15.3931	ng/ml	100
T AR1260 4	9.878	0.0	1488215.574	164.1430	ng/ml	100
T AR1260 2 #2	9.947	0.0	750389.519	27.7352	ng/ml	100
T AR1260 3 #2	10.377	0.0	387930.197	11.6447	ng/ml	100
T AR1260 5	10.655	0.0	1062117.244	54.2597	ng/ml	100
T AR1260 4 #2	10.830	0.0	201282.026	10.2987	ng/ml	100
T AR1260 5 #2	11.517	0.0	593641.652	18.7082	ng/ml	100

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

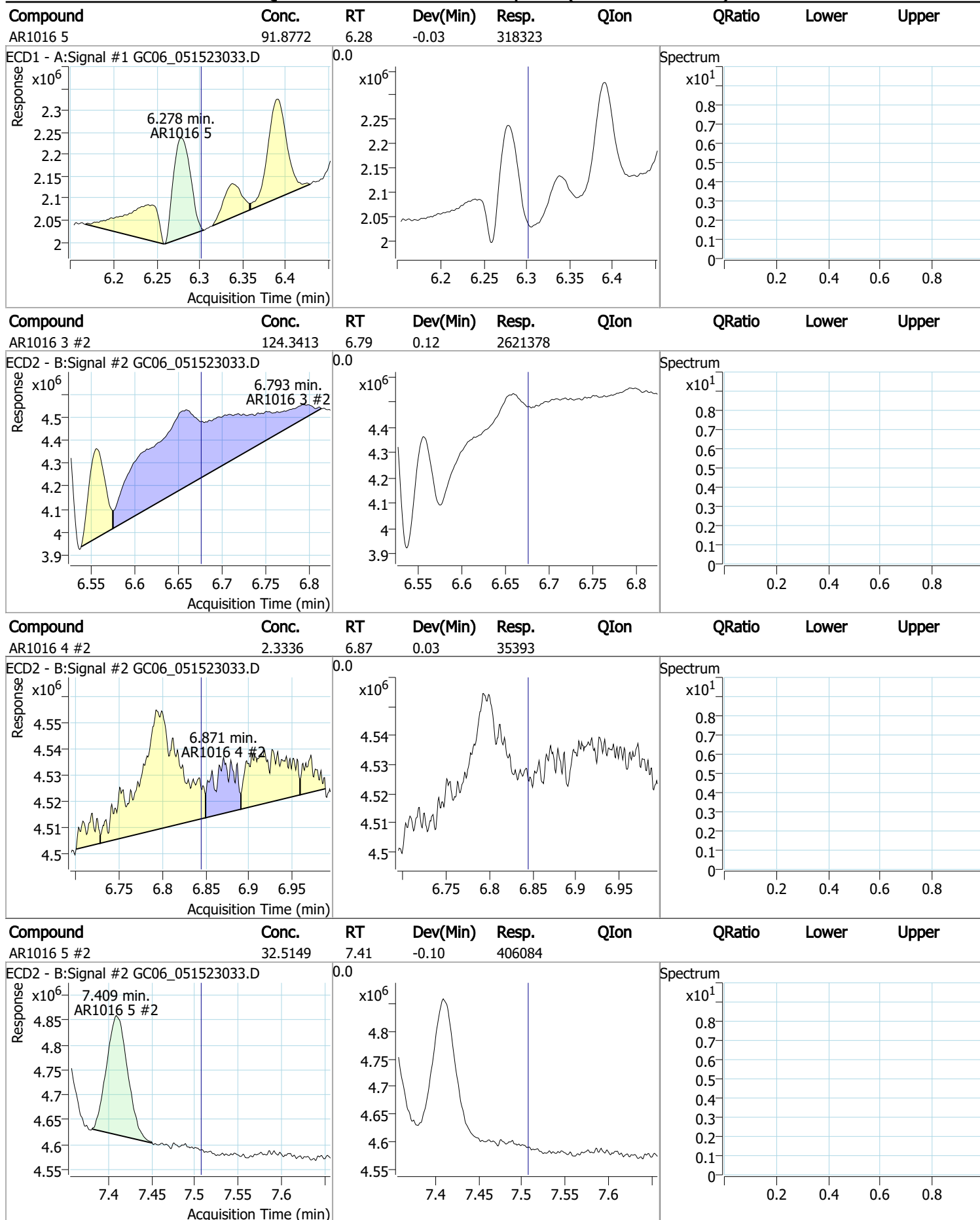
Quantitation Results Report (Not Reviewed)



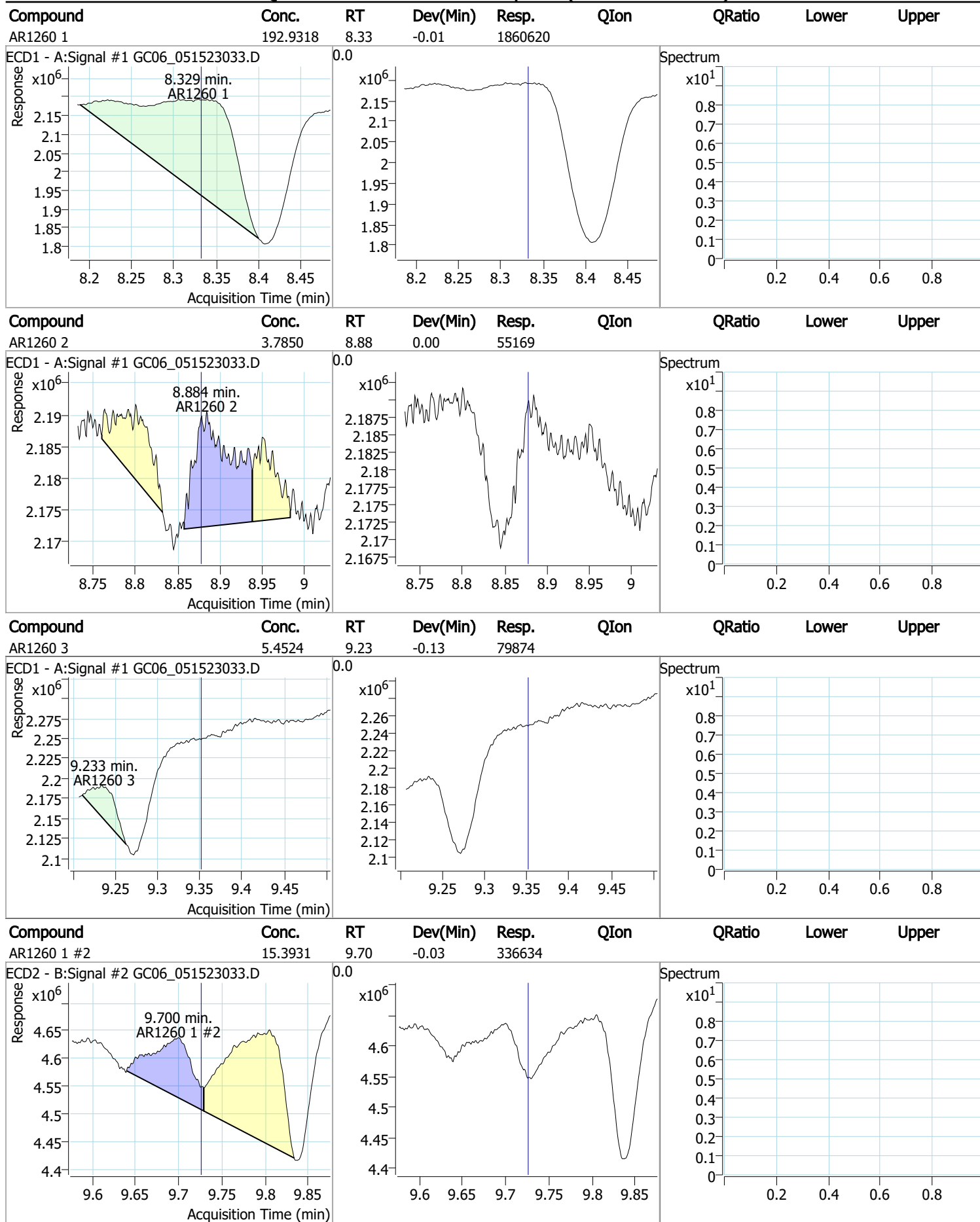
Quantitation Results Report (Not Reviewed)



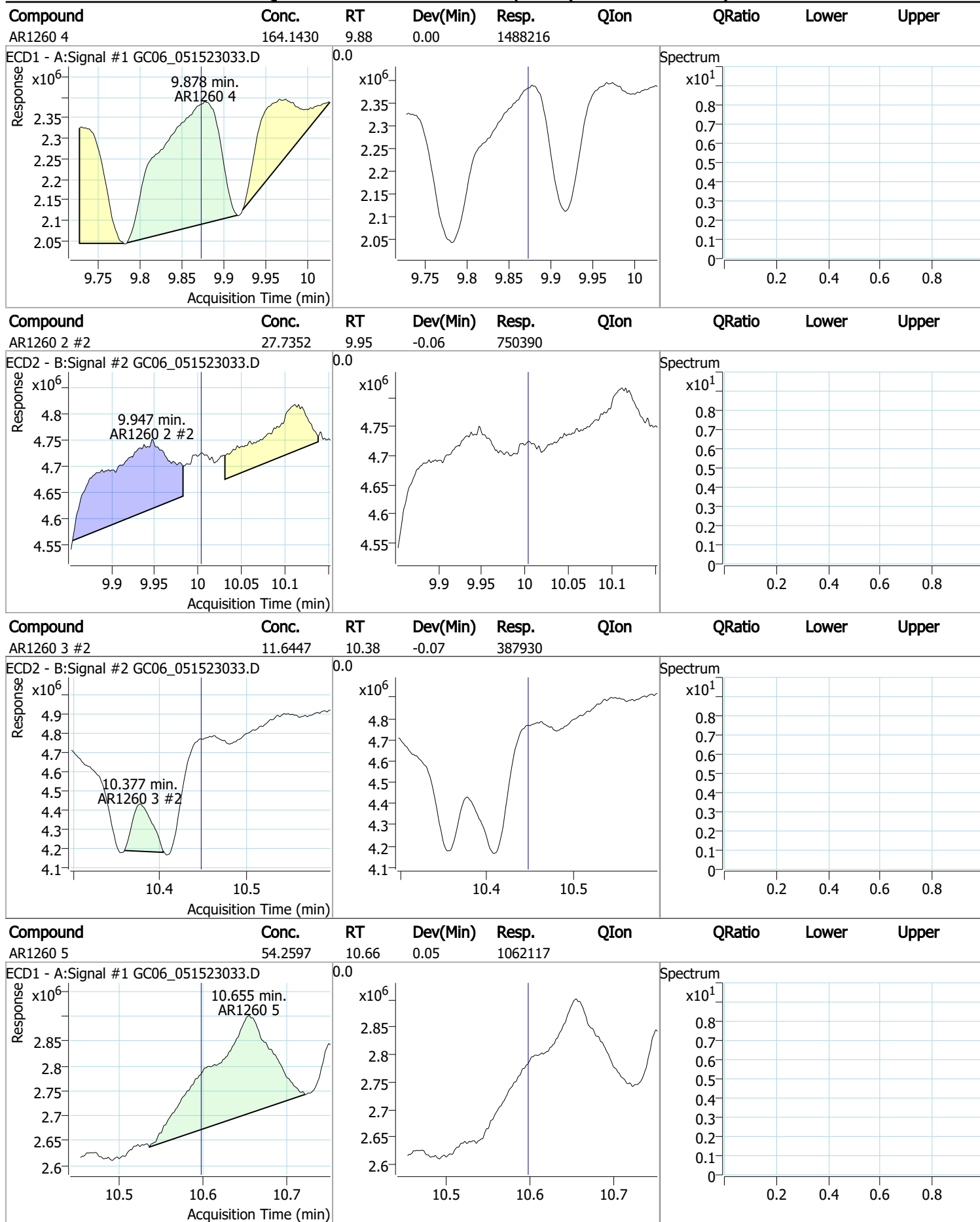
Quantitation Results Report (Not Reviewed)



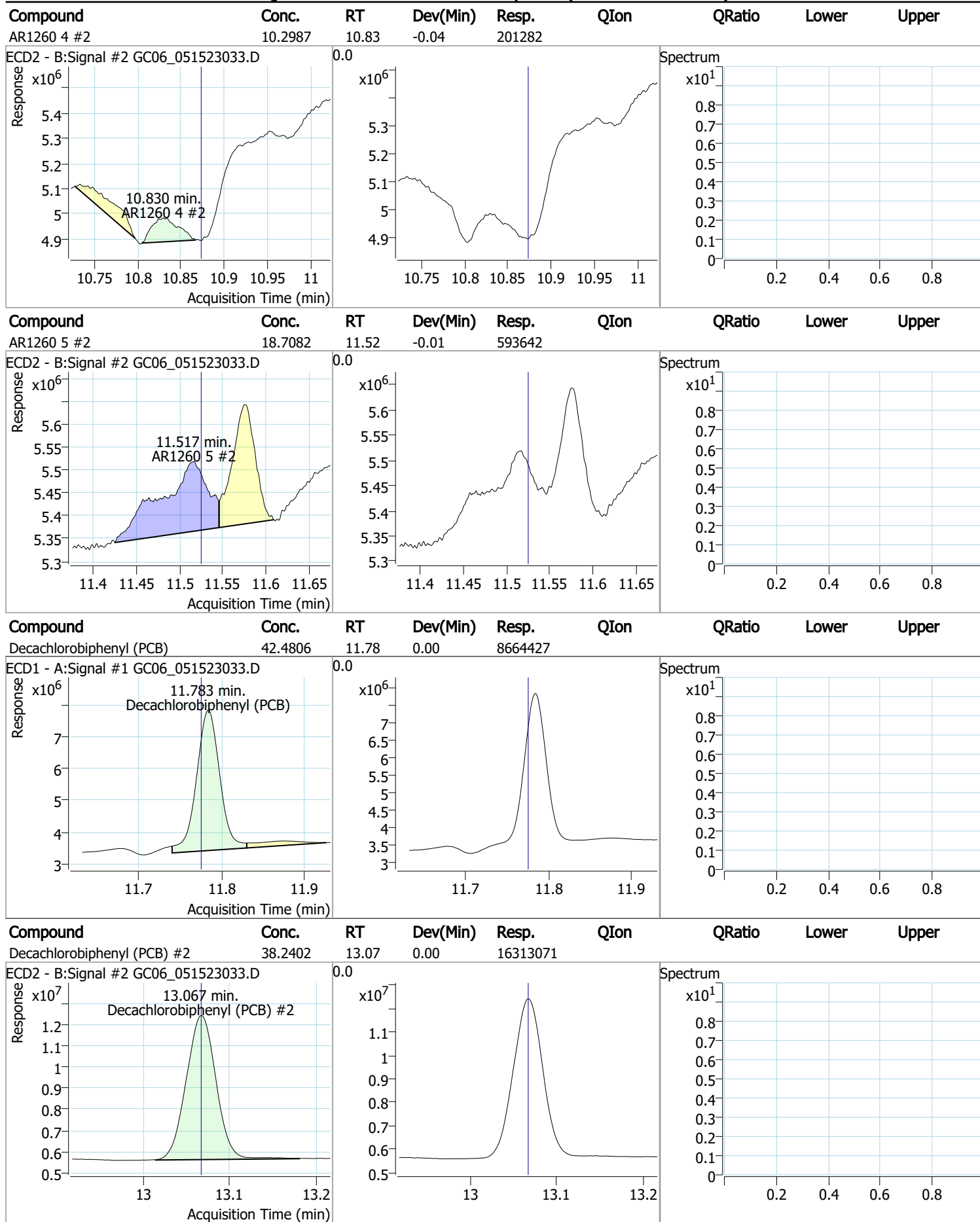
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 484907 PCBS Wipe

EPA 8082

Inst: SVOA-GC06	Lab ID: QC1065514	
Seqnum: 453195120019.1	Matrix: Wipe	
File: gc06_051523019	Batch: 313861	Time: 15-MAY-2023 18:13
Cal: 453140432001	Caldate: 07-APR-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	39.35	ND	0.38	3%	0.50	u
Aroclor-1016 Peak # 1	B	5.773	0.06	0.12	72%		
Aroclor-1016 Peak # 2	B	61.24	0.61	0.13	130%		
Aroclor-1016 Peak # 3	B	123.7	1.24	0.03	191%		
Aroclor-1016 Peak # 4	B	4.901	0.05	1.52	187%		
Aroclor-1016 Peak # 5	B	1.104	0.01	0.11	164%		
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	43.75	ND	0.65	40%	0.50	u
Aroclor-1260 Peak # 1	B	9.165	0.09	1.62	179%		
Aroclor-1260 Peak # 2	B	16.58	0.17	0.01	179%		
Aroclor-1260 Peak # 3	B	6.894	0.07	0.05	23%		
Aroclor-1260 Peak # 4	B	165.7	1.66	1.26	28%		
Aroclor-1260 Peak # 5	B	20.48	0.20	0.33	48%		
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	40.41	0.5000	0.4041	81	19-121	u
Decachlorobiphenyl (PCB)	B	37.30	0.5000	0.3730	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, 1BR2NITROBZ1248)

ISTD (CCV gc06_051523004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7865242	-13.74
1-bromo-2-nitrobenzene (PCB)	A	3337014	2744409	-17.76

ISTD (ICAL gc06_051523007)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2395727	???	-100.00 *
1-bromo-2-nitrobenzene (1242)	B	421738	???	-100.00 *

ISTD (ICAL gc06_051523008)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	8722400	???	-100.00 *
1-bromo-2-nitrobenzene (1254)	A	3193682	???	-100.00 *

ISTD (ICAL gc06_051523011)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1221)	B	9112527	???	-100.00 *
1-bromo-2-nitrobenzene (1221)	A	3338823	???	-100.00 *

ISTD (ICAL gc06_051523012)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1232)	B	8107183	???	-100.00 *
1-bromo-2-nitrobenzene (1232)	A	2988590	???	-100.00 *

ISTD (ICAL gc06_051523013)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1262)	B	7891834	???	-100.00 *
1-bromo-2-nitrobenzene (1262)	A	2844240	???	-100.00 *

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

ISTD (CCV gc06_051523004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_051523007)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.11	???	
1-bromo-2-nitrobenzene (1242)	B	4.50	???	

ISTD (ICAL gc06_051523008)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.34	???	
1-bromo-2-nitrobenzene (1254)	A	4.11	???	

ISTD (ICAL gc06_051523011)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1221)	B	4.34	???	
1-bromo-2-nitrobenzene (1221)	A	4.11	???	

ISTD (ICAL gc06_051523012)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1232)	B	4.35	???	
1-bromo-2-nitrobenzene (1232)	A	4.11	???	

ISTD (ICAL gc06_051523013)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1262)	B	4.34	???	
1-bromo-2-nitrobenzene (1262)	A	4.11	???	

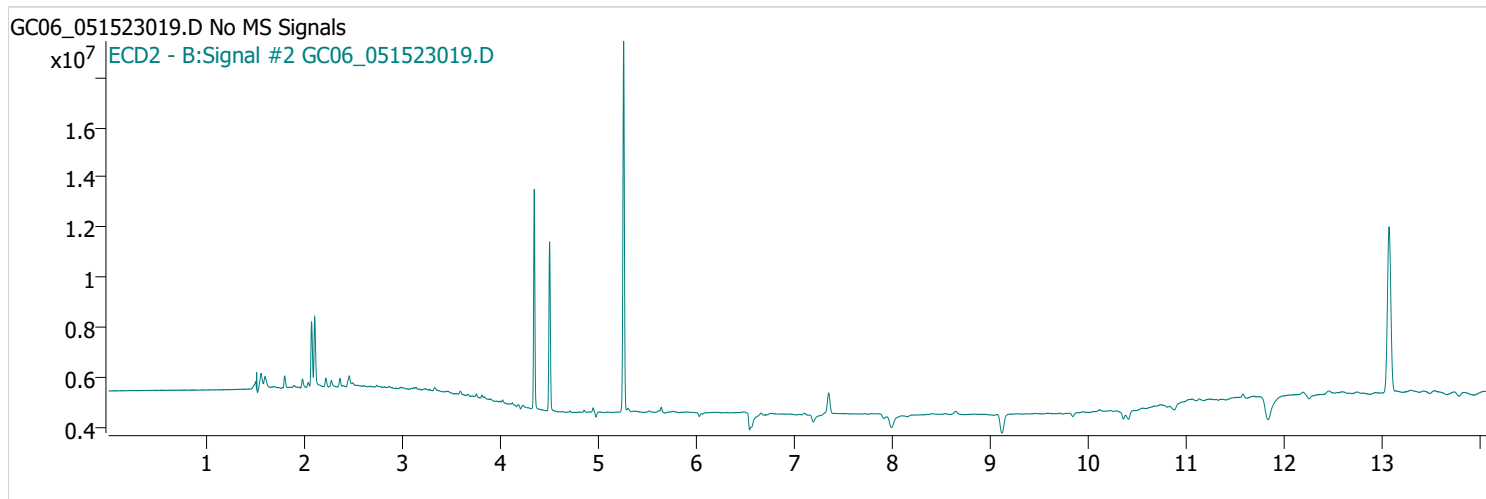
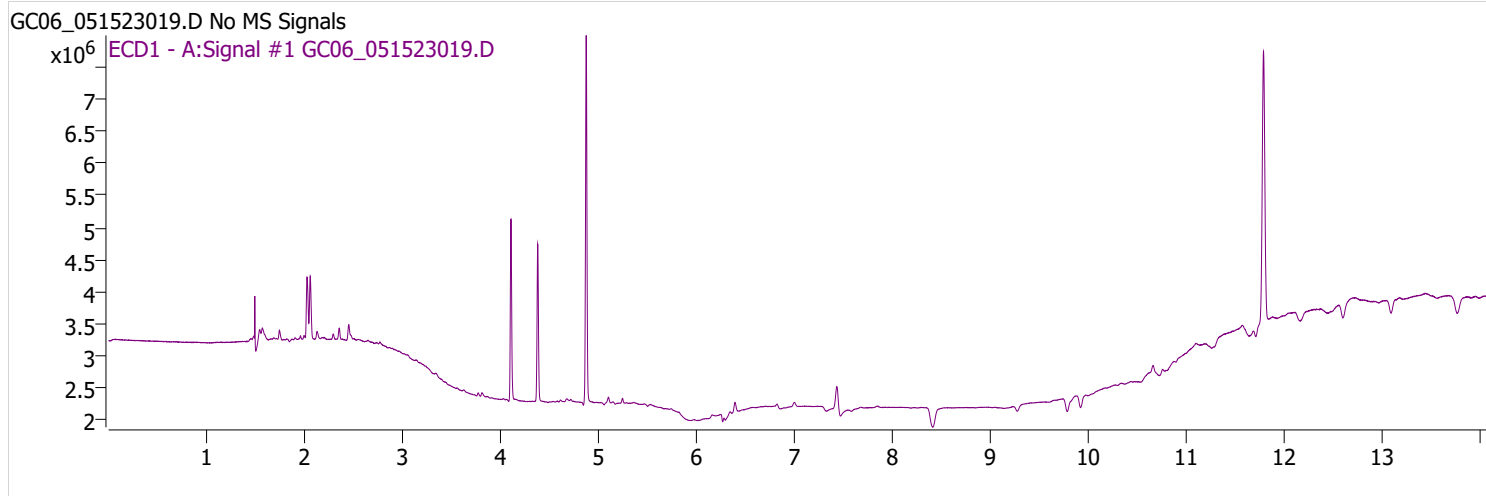
U=USE

Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_051523019.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 6:13:28 PM
Sample Name	QC1065514, 313861, 1	Instrument	SVOA-GC06
Vial	6	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.107	0.0	2744408.830	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	7865242.252	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.874	0.0	5872448.484	41.8948	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.47%	*	
S TCMX (PCB) #2	5.256	0.0	15740218.965	40.4144	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.07%	*	
S Decachlorobiphenyl (PCB)	11.787	0.0	8517397.528	44.0418	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.21%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	16328157.216	37.3023	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.51%	*	

Target Compounds

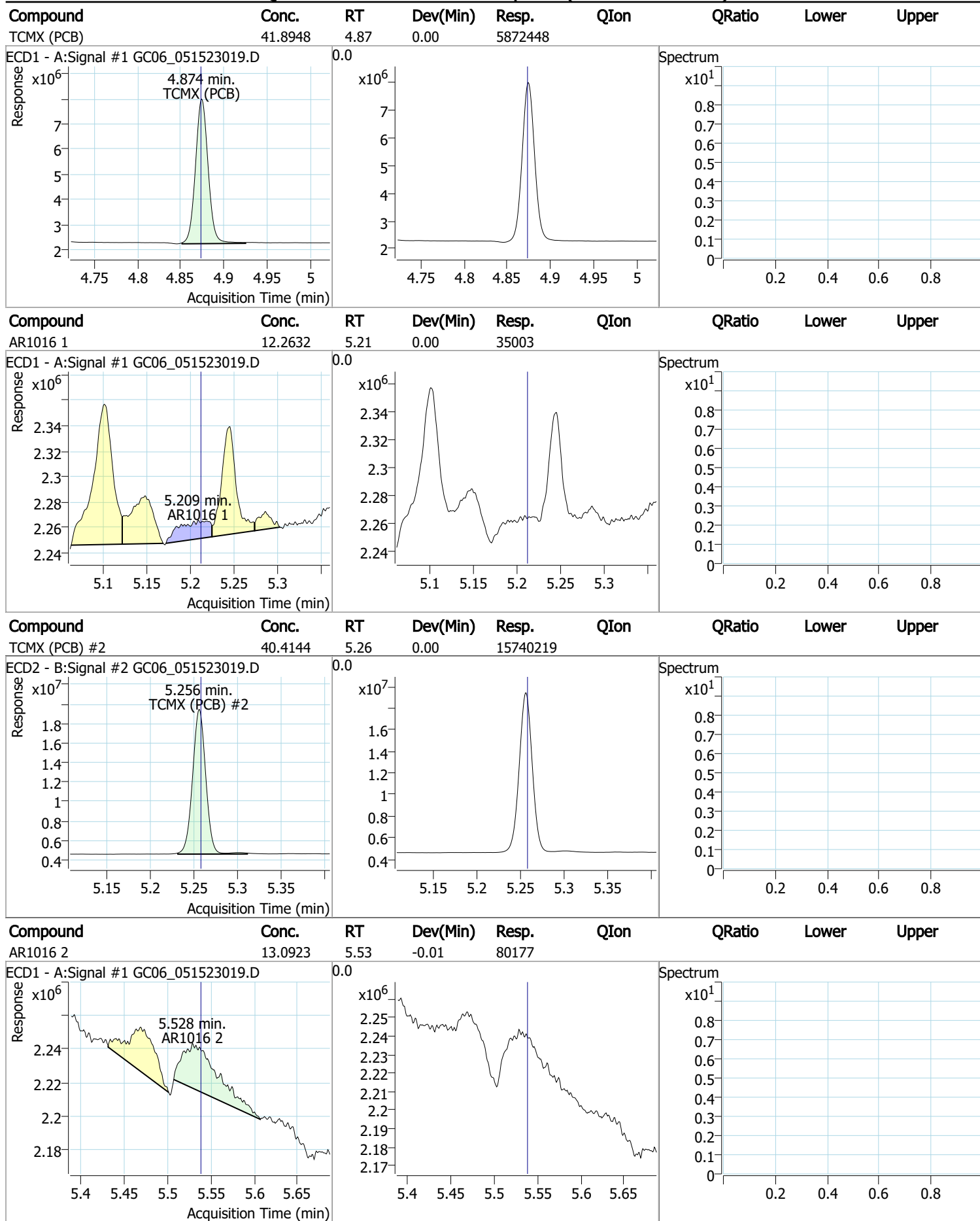
QValue

Quantitation Results Report (Not Reviewed)

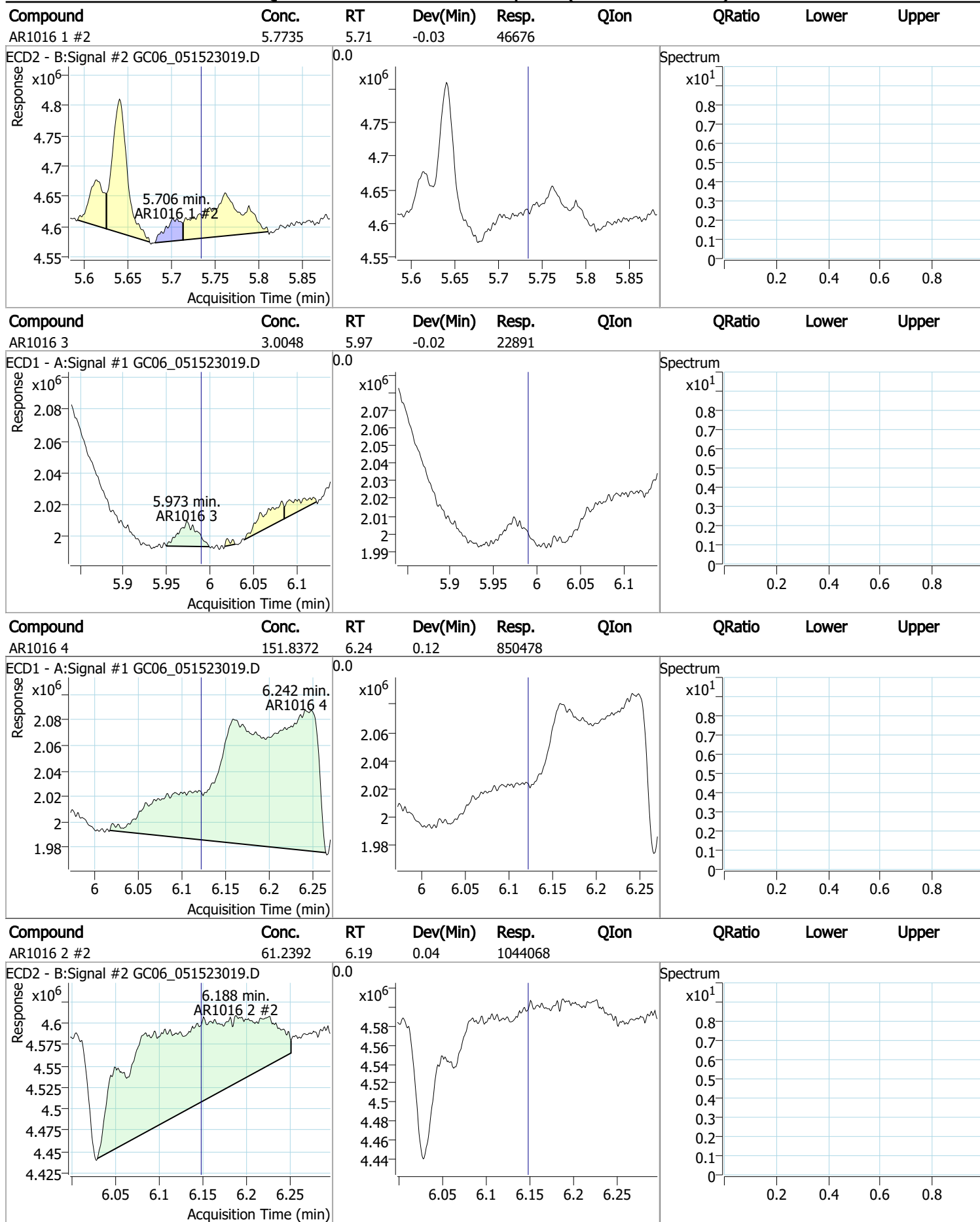
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.209	0.0	35003.050	12.2632	ng/ml	100
T AR1016 2	5.528	0.0	80176.705	13.0923	ng/ml	100
T AR1016 1 #2	5.706	0.0	46676.451	5.7735	ng/ml	100
T AR1016 3	5.973	0.0	22890.721	3.0048	ng/ml	100
T AR1016 4	6.242	0.0	850477.872	151.8372	ng/ml	100
T AR1016 2 #2	6.188	0.0	1044067.657	61.2392	ng/ml	100
T AR1016 5	6.281	0.0	37176.513	11.3166	ng/ml	100
T AR1016 3 #2	6.661	0.0	2676885.065	123.7454	ng/ml	100
T AR1016 4 #2	6.869	0.0	76268.443	4.9008	ng/ml	100
T AR1016 5 #2	7.494	0.0	14145.361	1.1038	ng/ml	100
T AR1260 1	8.288	0.0	1481816.120	162.0497	ng/ml	100
T AR1260 2	8.908	0.0	12400.966	0.8973	ng/ml	100
T AR1260 3	9.223	0.0	76180.117	5.4845	ng/ml	100
T AR1260 1 #2	9.707	0.0	205659.855	9.1650	ng/ml	100
T AR1260 4	9.878	0.0	1079093.734	125.5230	ng/ml	100
T AR1260 2 #2	9.946	0.0	460255.008	16.5790	ng/ml	100
T AR1260 3 #2	10.378	0.0	235662.366	6.8941	ng/ml	100
T AR1260 5	10.661	0.0	618644.687	33.3314	ng/ml	100
T AR1260 4 #2	11.022	0.0	3322082.675	165.6543	ng/ml	100
T AR1260 5 #2	11.578	0.0	666802.075	20.4794	ng/ml	100

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

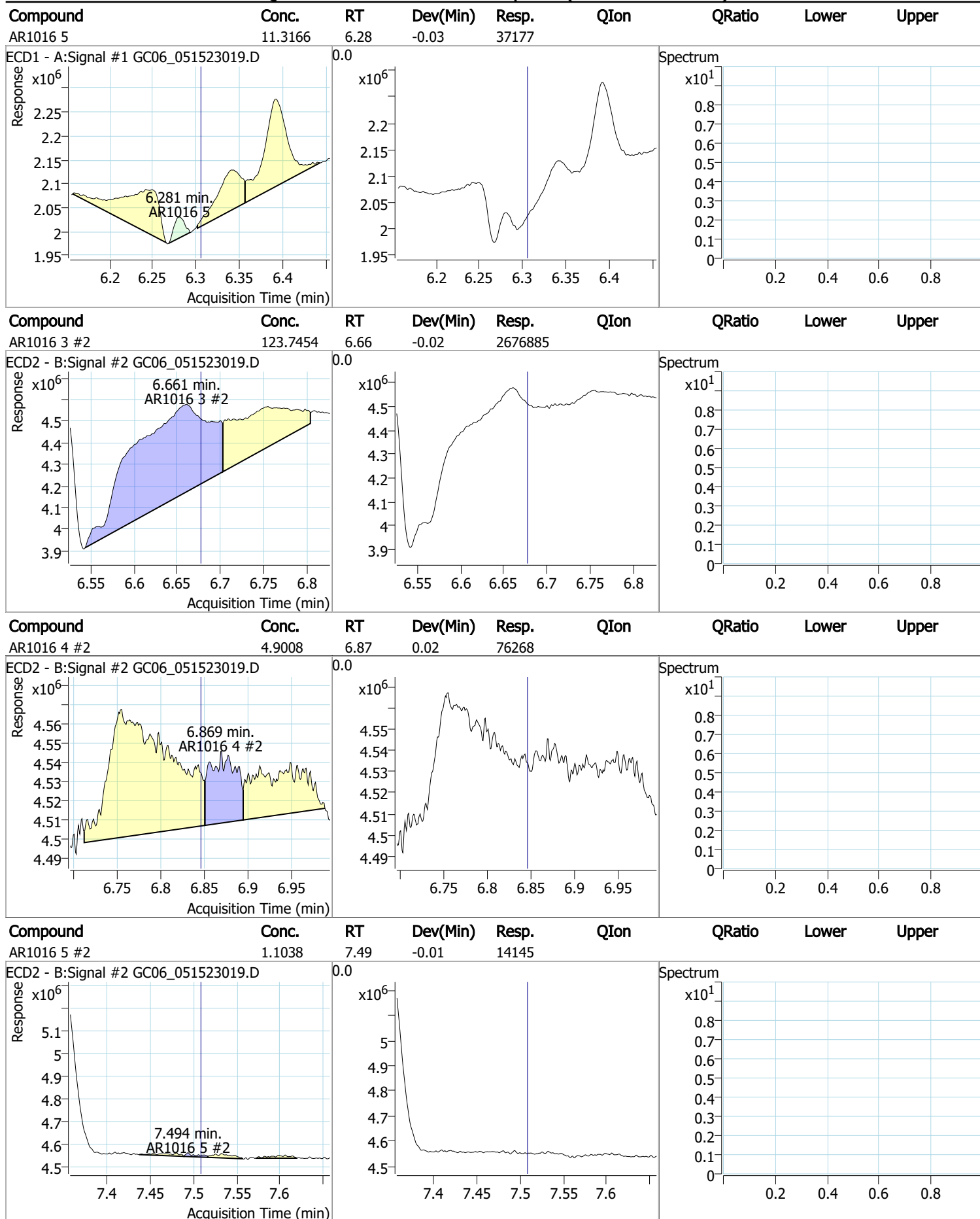
Quantitation Results Report (Not Reviewed)



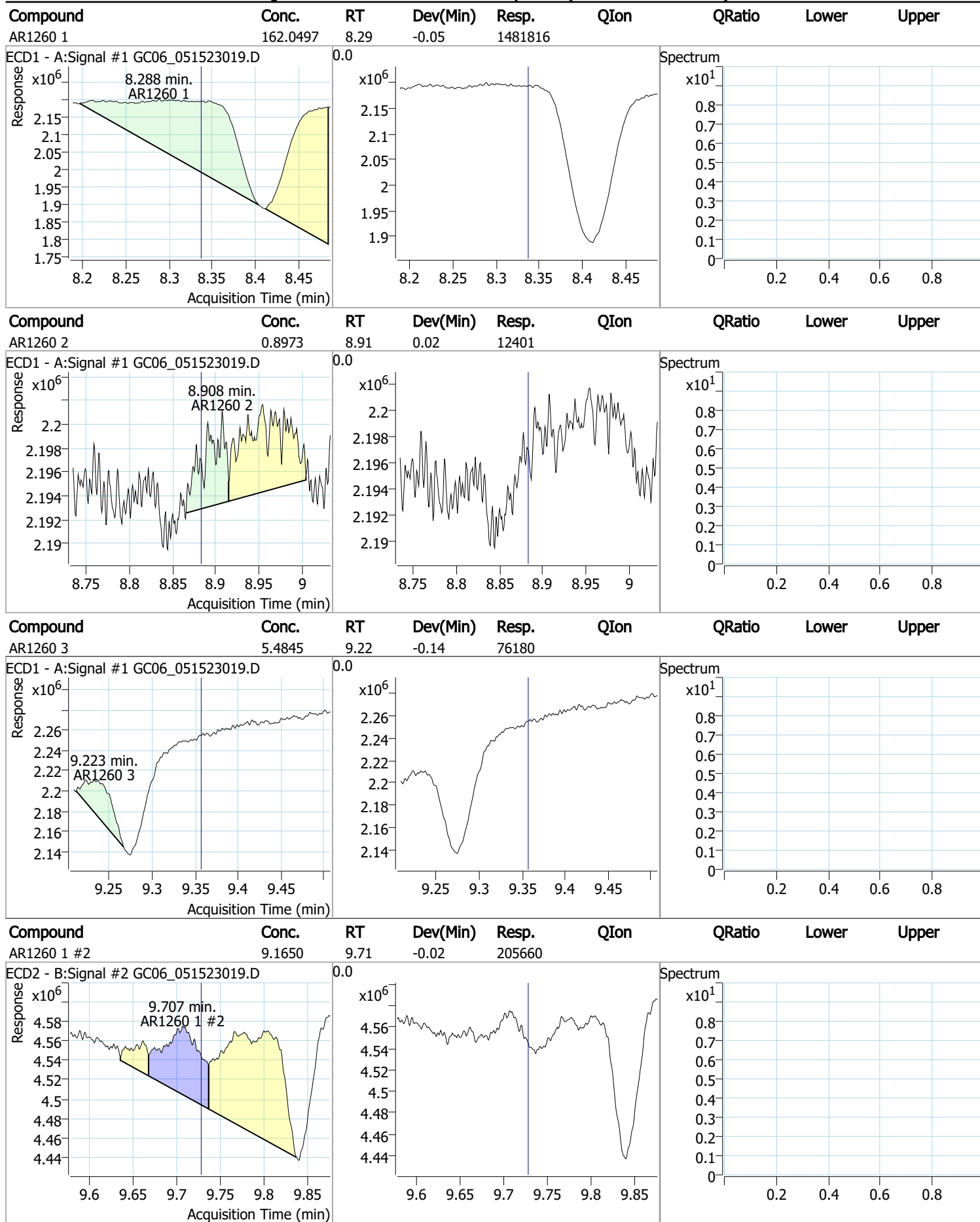
Quantitation Results Report (Not Reviewed)



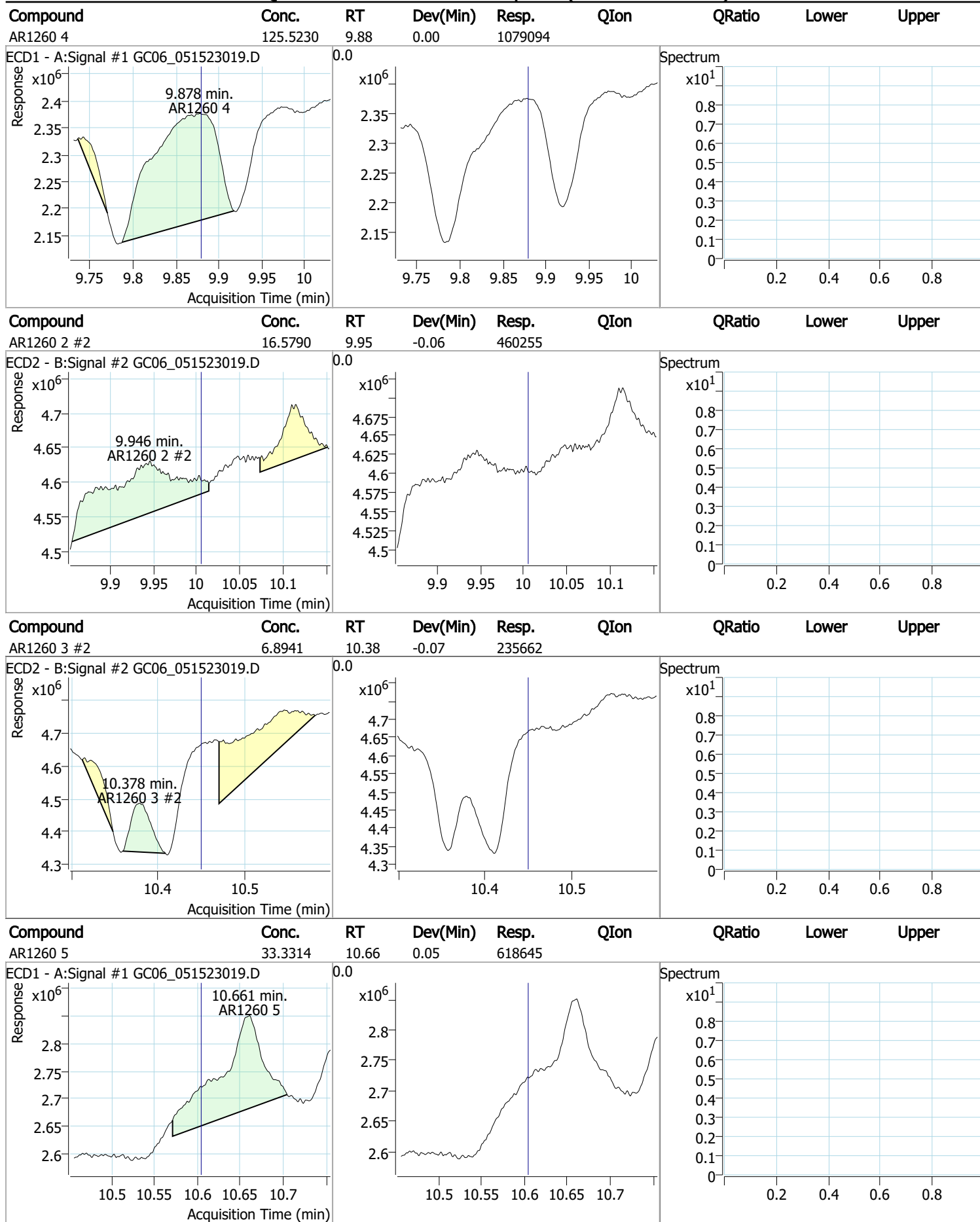
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

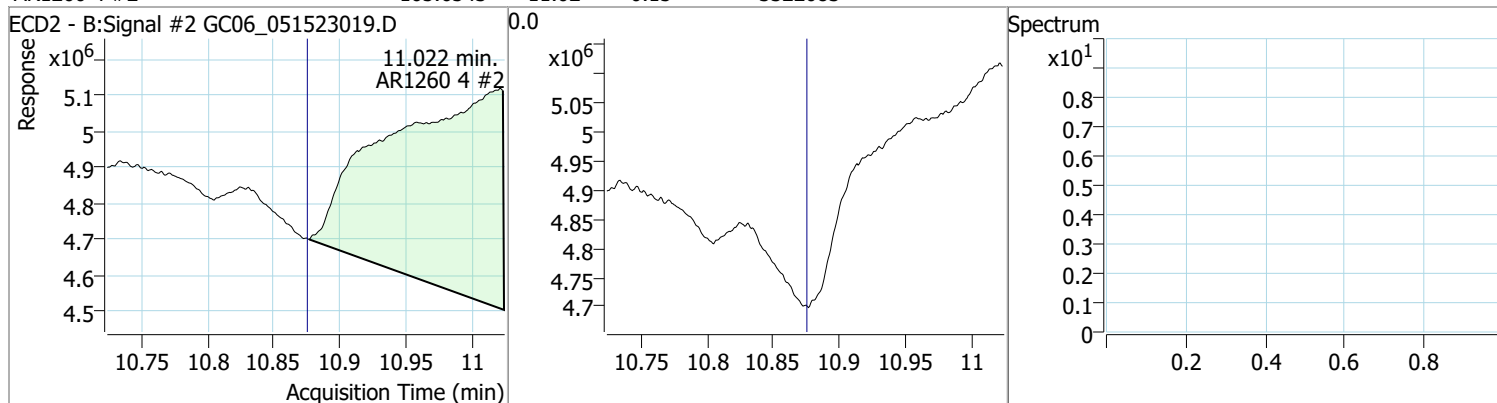


Quantitation Results Report (Not Reviewed)

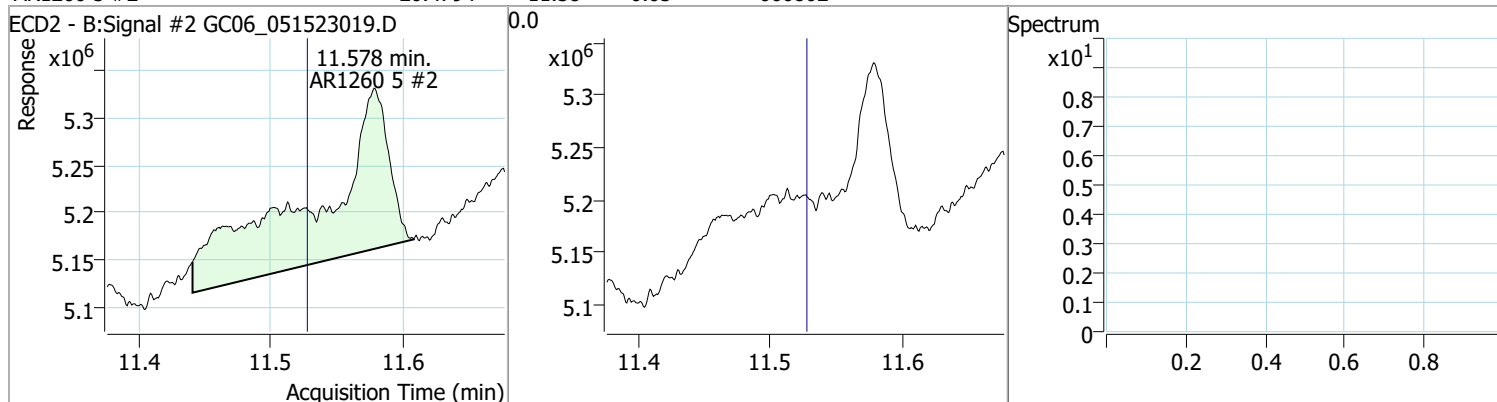


Quantitation Results Report (Not Reviewed)

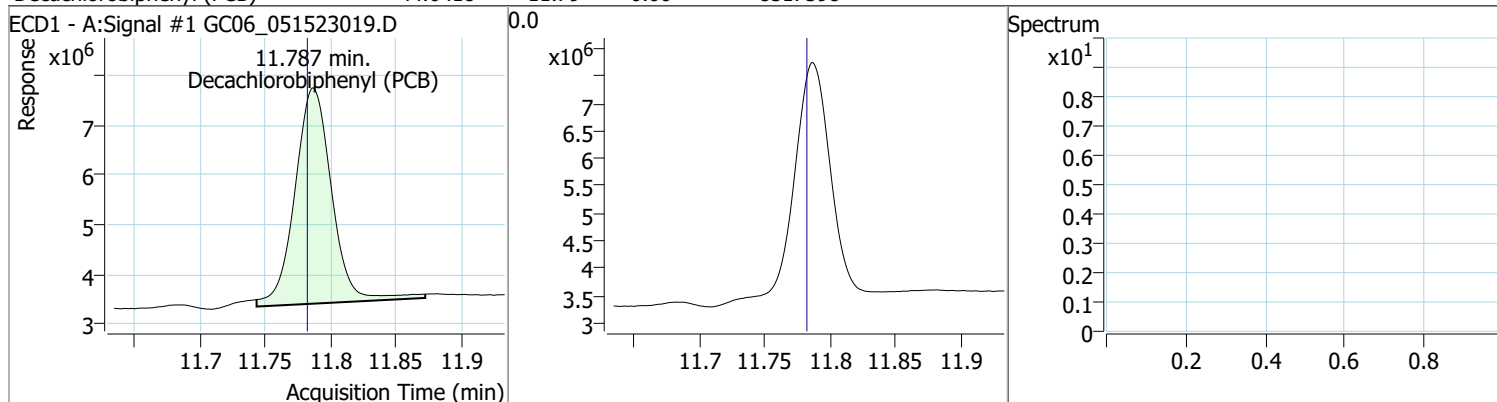
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	165.6543	11.02	0.15	3322083				



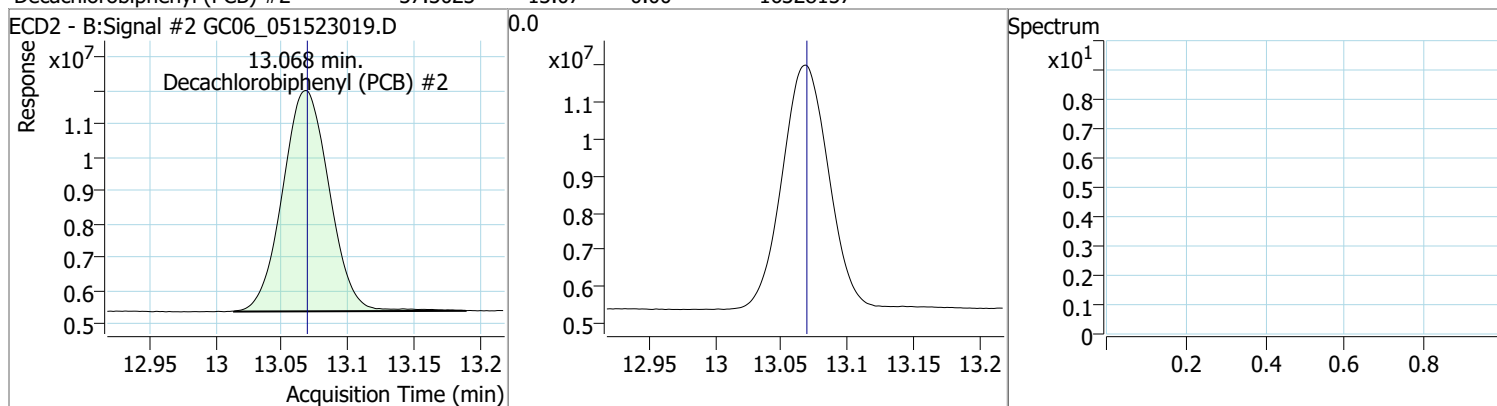
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	20.4794	11.58	0.05	666802				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.0418	11.79	0.00	8517398				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.3023	13.07	0.00	16328157				



ENTHALPY SPIKE USER REPORT FOR 484907 PCBS Wipe
EPA 8082

Type: BS	Type: BSD
Inst: SVOA-GC06	Inst: SVOA-GC06
Seqnum: 453195120020.1	Seqnum: 453195120021.1
File: gc06_051523020	File: gc06_051523021
IDF: 1.0	IDF: 1.0
Lab ID: QC1065515	Lab ID: QC1065516
Matrix: Wipe	Matrix: Wipe
Batch: 313861	Batch: 313861
Time: 15-MAY-2023 18:32	Time: 15-MAY-2023 18:51
Cal: 453140432001	Cal: 453140432001
Units: ug/dm2	

- BS: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	414.4	4.144	B	83	442.9	4.429	B	89	60-140	7	20	u
Aroclor-1016 Peak # 1		402.6	4.026	B		428.6	4.286	B					
Aroclor-1016 Peak # 2		432.3	4.323	B		459.5	4.595	B					
Aroclor-1016 Peak # 3		414.4	4.144	B		446.8	4.468	B					
Aroclor-1016 Peak # 4		405.9	4.059	B		433.4	4.334	B					
Aroclor-1016 Peak # 5		416.5	4.165	B		446.3	4.463	B					
Aroclor-1260	5.000	352.6	3.526	B	71	373.0	3.730	B	75	60-140	6	20	u
Aroclor-1260 Peak # 1		396.2	3.962	B		424.3	4.243	B					
Aroclor-1260 Peak # 2		369.6	3.696	B		399.7	3.997	B					
Aroclor-1260 Peak # 3		346.2	3.462	B		371.1	3.711	B					
Aroclor-1260 Peak # 4		311.3	3.113	B		312.3	3.123	B					
Aroclor-1260 Peak # 5		339.4	3.394	B		357.4	3.574	B					
Surrogates													
TCMX (PCB)	0.5000	39.05	0.3905	B	78	41.67	0.4167	B	83	19-121			u
Decachlorobiphenyl (PCB)	0.5000	36.58	0.3658	B	73	38.77	0.3877	B	78	19-121			u

ISTD (CCV gc06_051523004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	8219249	-9.85
1-bromo-2-nitrobenzene (PCB)	A	3337014	2829662	-15.20

ISTD (CCV gc06_051523004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (CCV gc06_051523004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9117775	7668785	-15.89
1-bromo-2-nitrobenzene (PCB)	A	3337014	2718708	-18.53

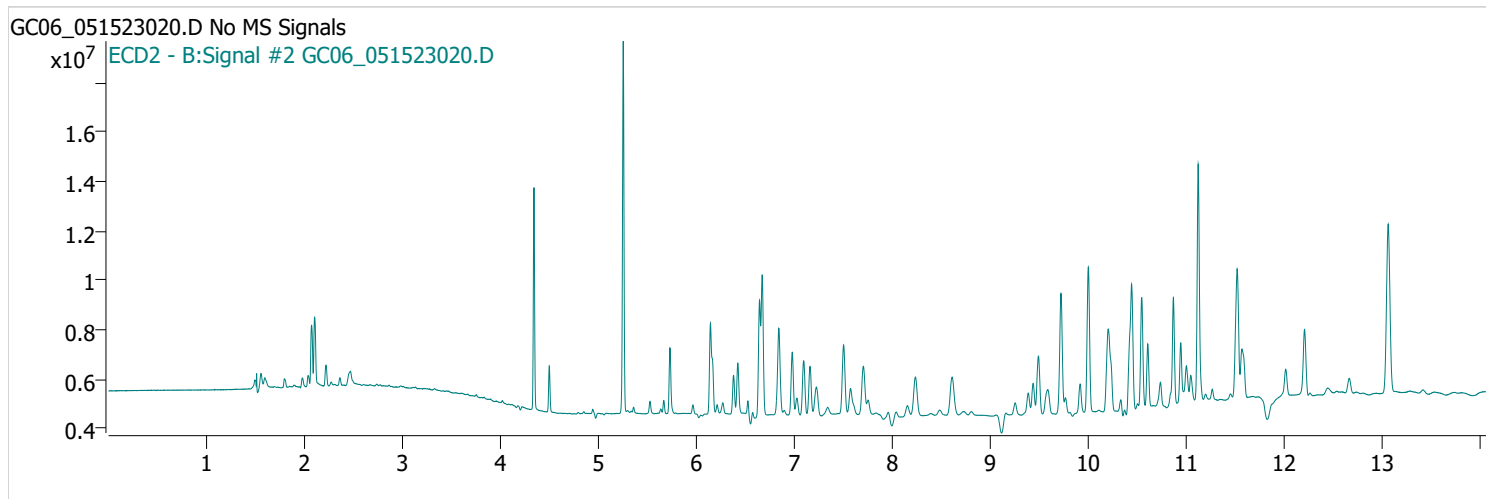
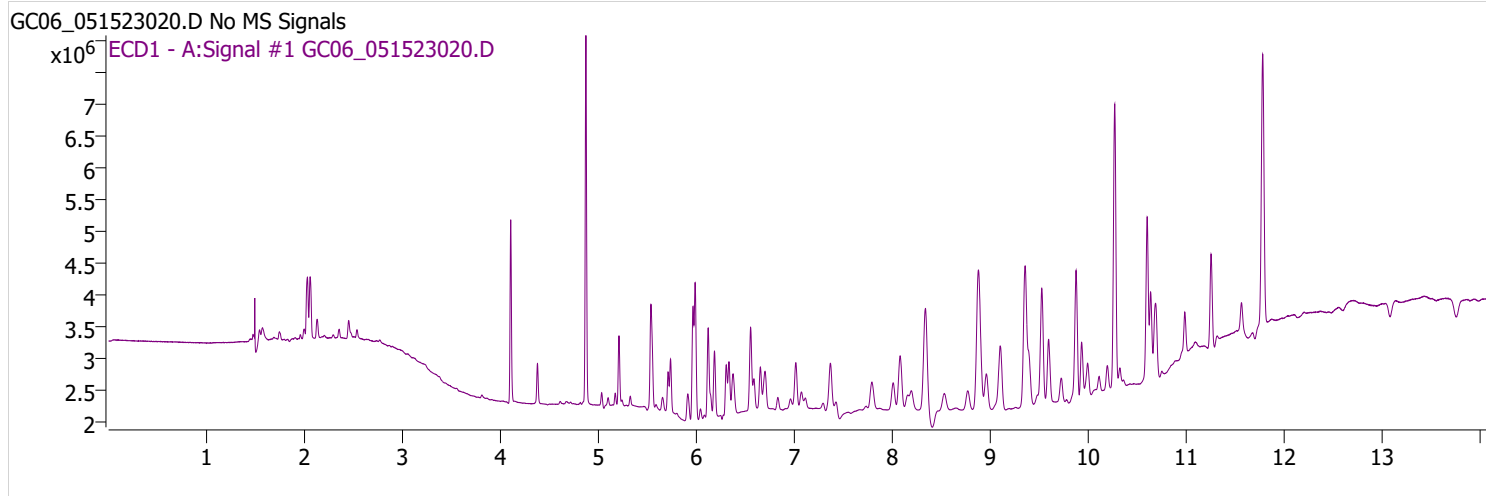
ISTD (CCV gc06_051523004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.34	4.34	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

Analyst: TJW 05/16/23

Reviewer: MTS 05/17/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_051523020.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 6:32:20 PM
Sample Name	QC1065515, 313861, 1	Instrument	SVOA-GC06
Vial	7	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.107	0.0	2829661.580	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	8219248.663	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.874	0.0	5764411.714	39.8851	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.43%	*	
S TCMX (PCB) #2	5.256	0.0	15891737.560	39.0460	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.23%	*	
S Decachlorobiphenyl (PCB)	11.786	0.0	8847699.032	44.3714	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.86%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	16731604.283	36.5777	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.89%	*	

Target Compounds

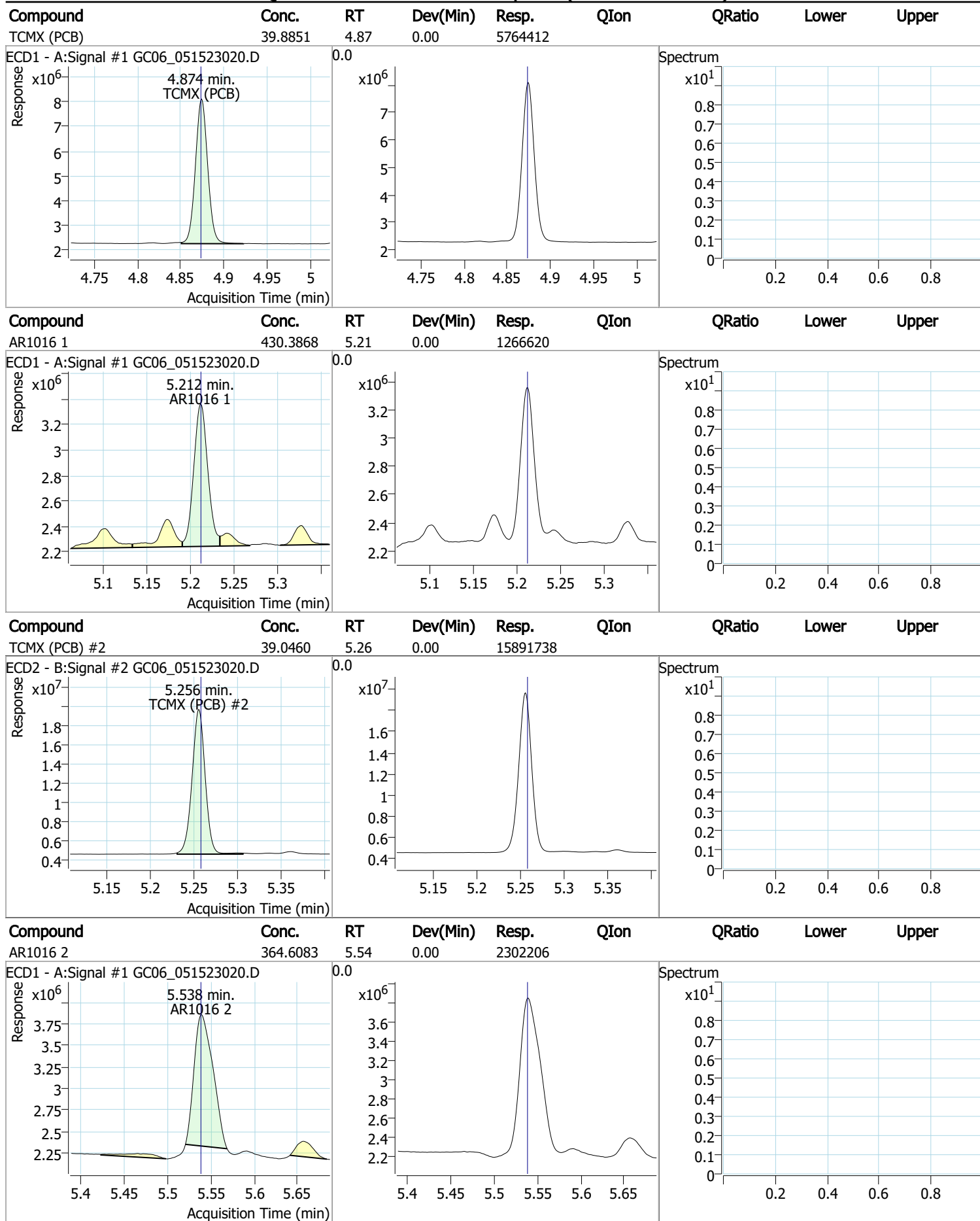
QValue

Quantitation Results Report (Not Reviewed)

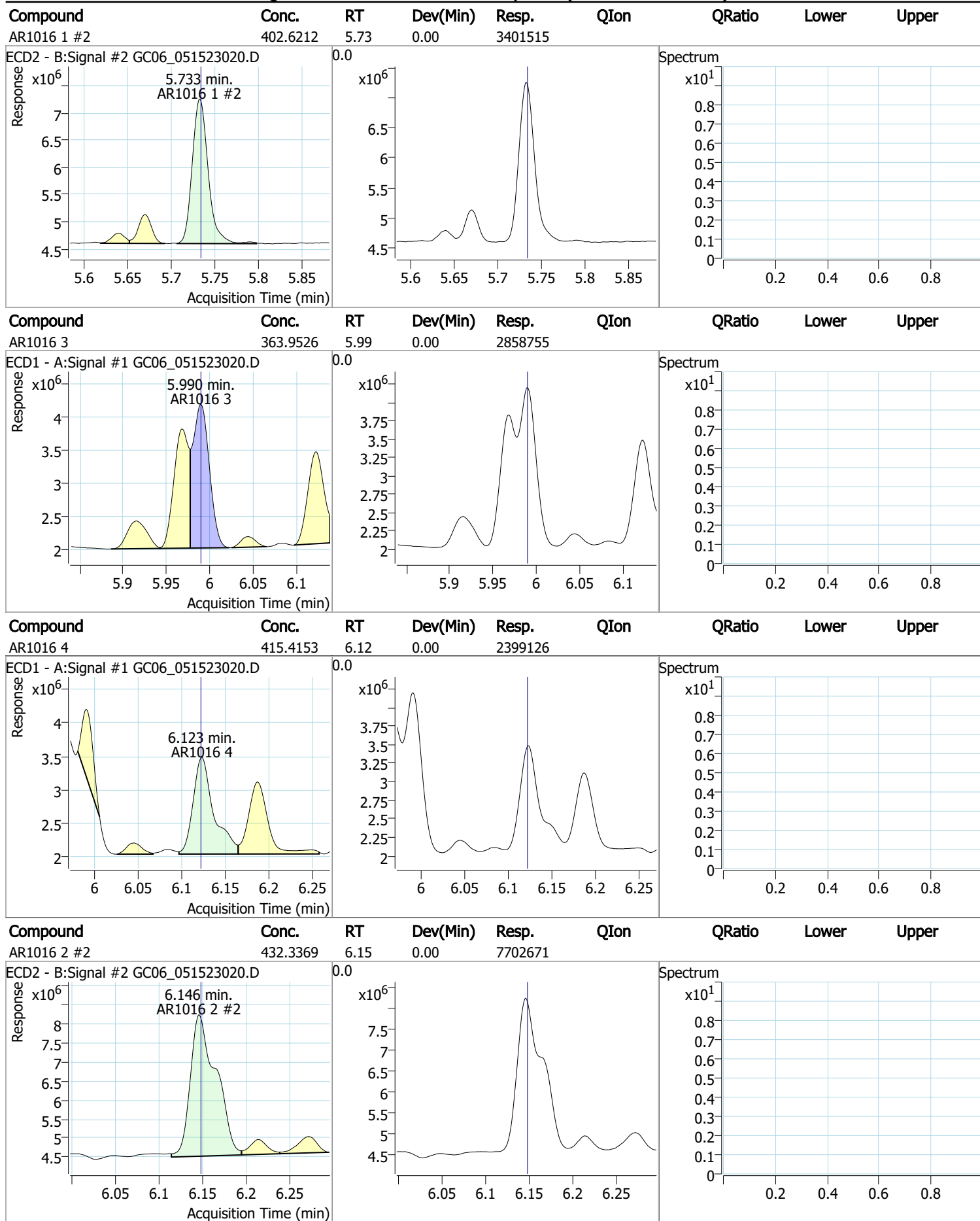
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.212	0.0	1266619.77 5	430.3868	ng/ml	100
T AR1016 2	5.538	0.0	2302205.67 9	364.6083	ng/ml	100
T AR1016 1 #2	5.733	0.0	3401515.43 5	402.6212	ng/ml	100
T AR1016 3	5.990	0.0	2858754.72 5	363.9526	ng/ml	100
T AR1016 4	6.123	0.0	2399125.57 6	415.4153	ng/ml	100
T AR1016 2 #2	6.146	0.0	7702670.95 2	432.3369	ng/ml	100
T AR1016 5	6.308	0.0	1145044.71 8	338.0522	ng/ml	100
T AR1016 3 #2	6.674	0.0	9368182.81 0	414.4143	ng/ml	100
T AR1016 4 #2	6.844	0.0	6601841.84 6	405.9491	ng/ml	100
T AR1016 5 #2	7.506	0.0	5578336.79 7	416.5484	ng/ml	100
T AR1260 1	8.342	0.0	4896036.75 1	519.2936	ng/ml	100
T AR1260 2	8.883	0.0	6302375.29 0	442.2809	ng/ml	100
T AR1260 3	9.360	0.0	6191648.41 5	432.3283	ng/ml	100
T AR1260 1 #2	9.726	0.0	9291435.36 5	396.2282	ng/ml	100
T AR1260 4	9.880	0.0	3852804.37 3	434.6657	ng/ml	100
T AR1260 2 #2	10.005	0.0	10723502.8 77	369.6372	ng/ml	100
T AR1260 3 #2	10.447	0.0	12366623.7 12	346.1949	ng/ml	100
T AR1260 5	10.606	0.0	4342521.41 9	226.9179	ng/ml	100
T AR1260 4 #2	10.873	0.0	6524933.42 4	311.3495	ng/ml	100
T AR1260 5 #2	11.525	0.0	11547394.8 35	339.3793	ng/ml	100

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

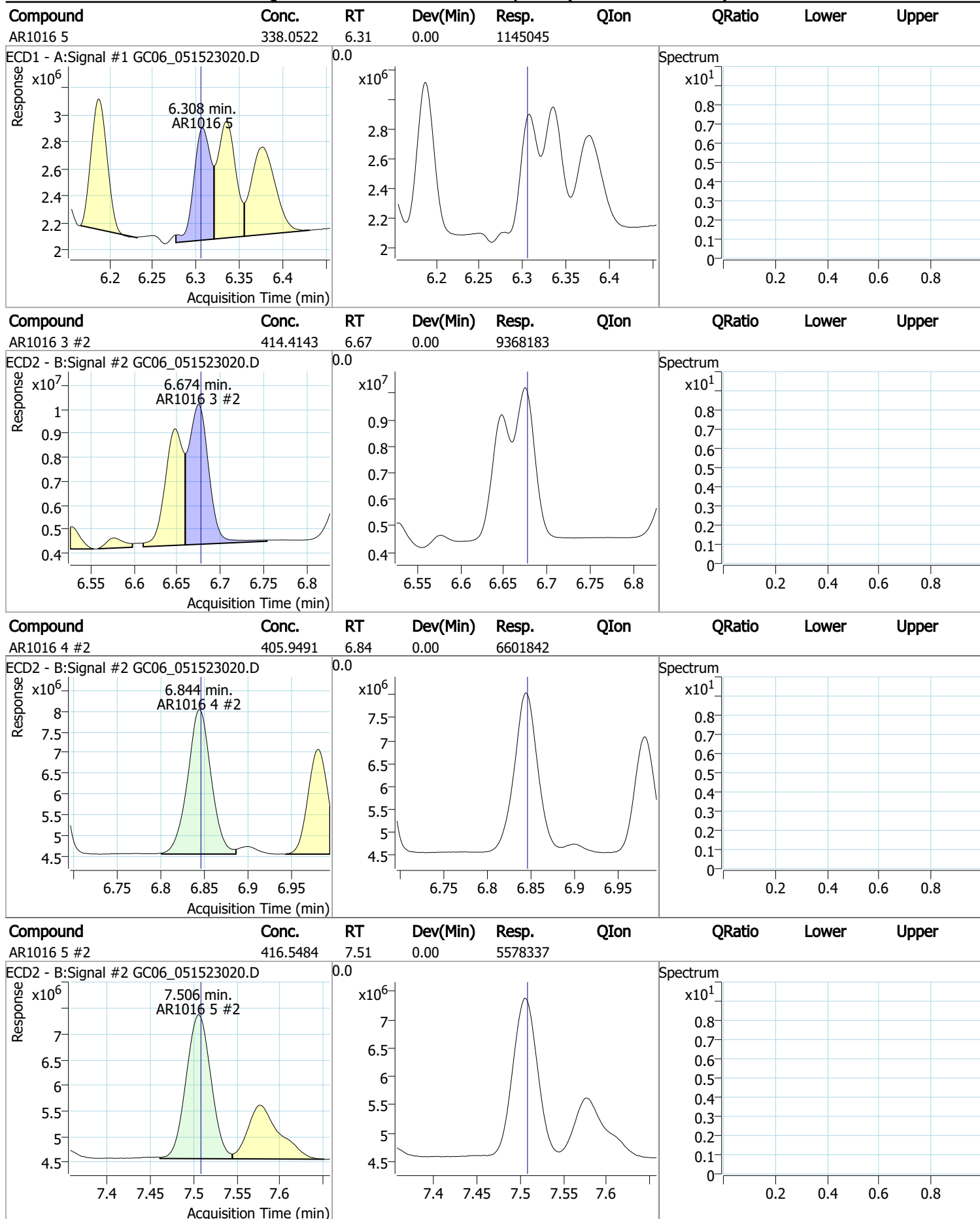
Quantitation Results Report (Not Reviewed)



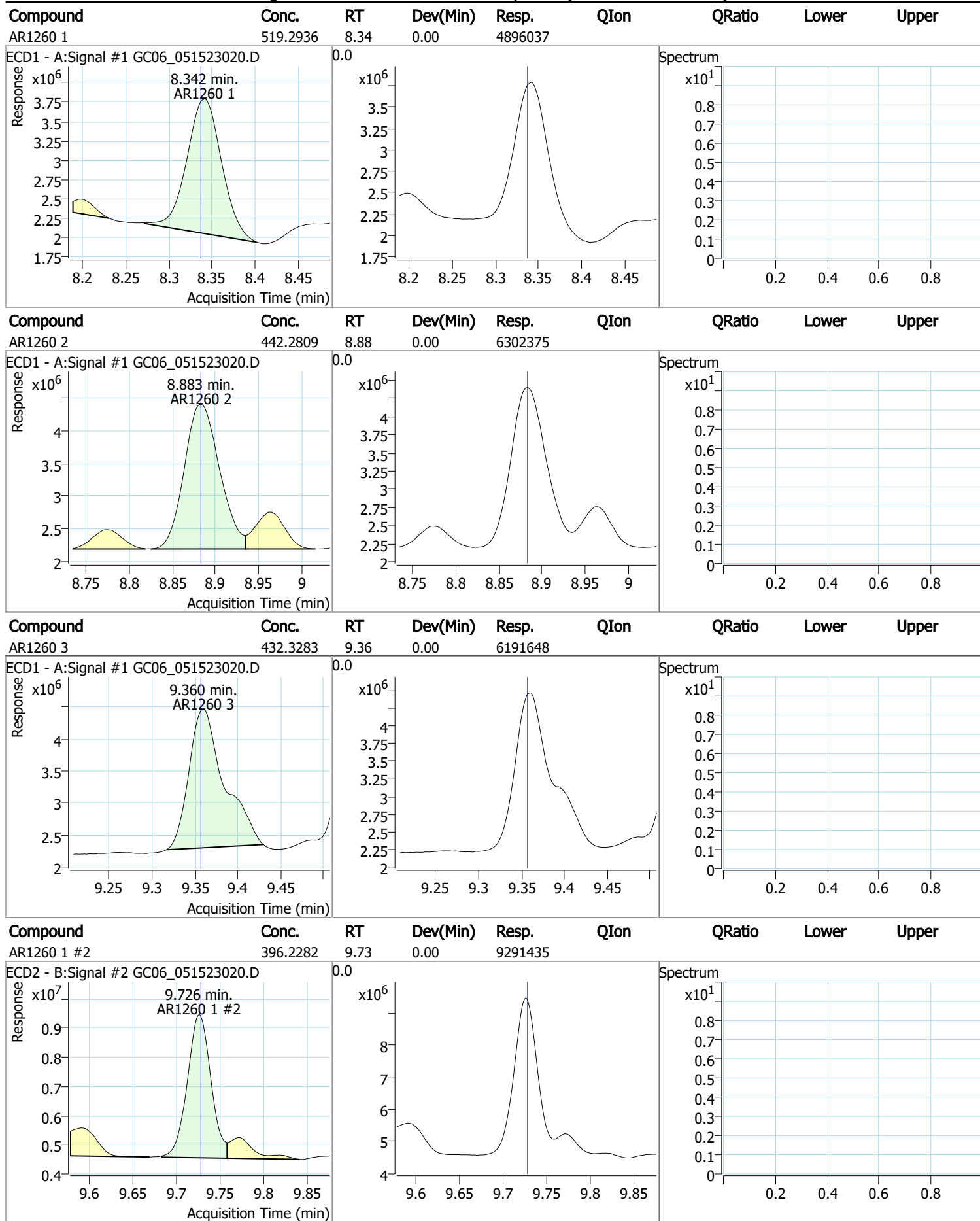
Quantitation Results Report (Not Reviewed)



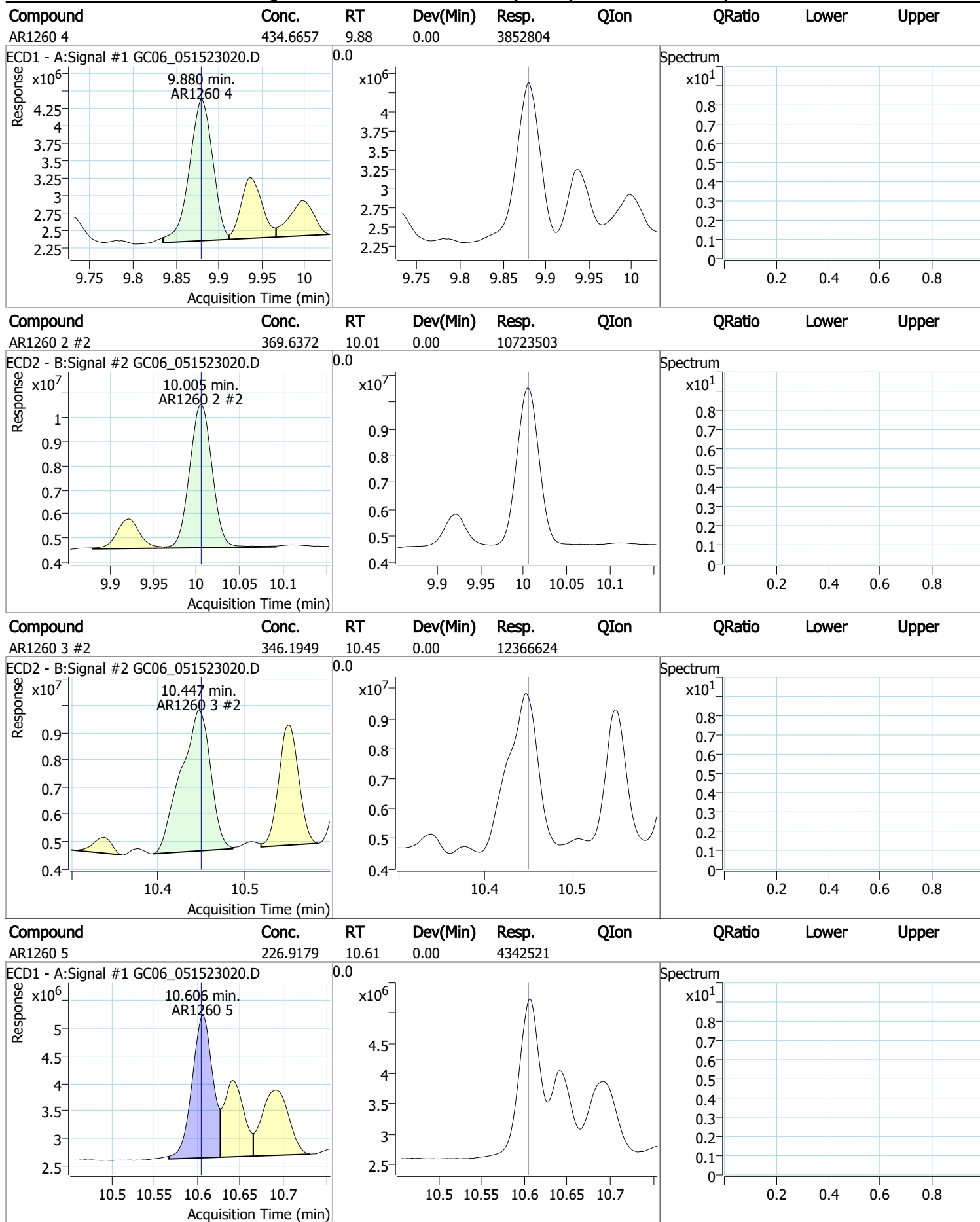
Quantitation Results Report (Not Reviewed)



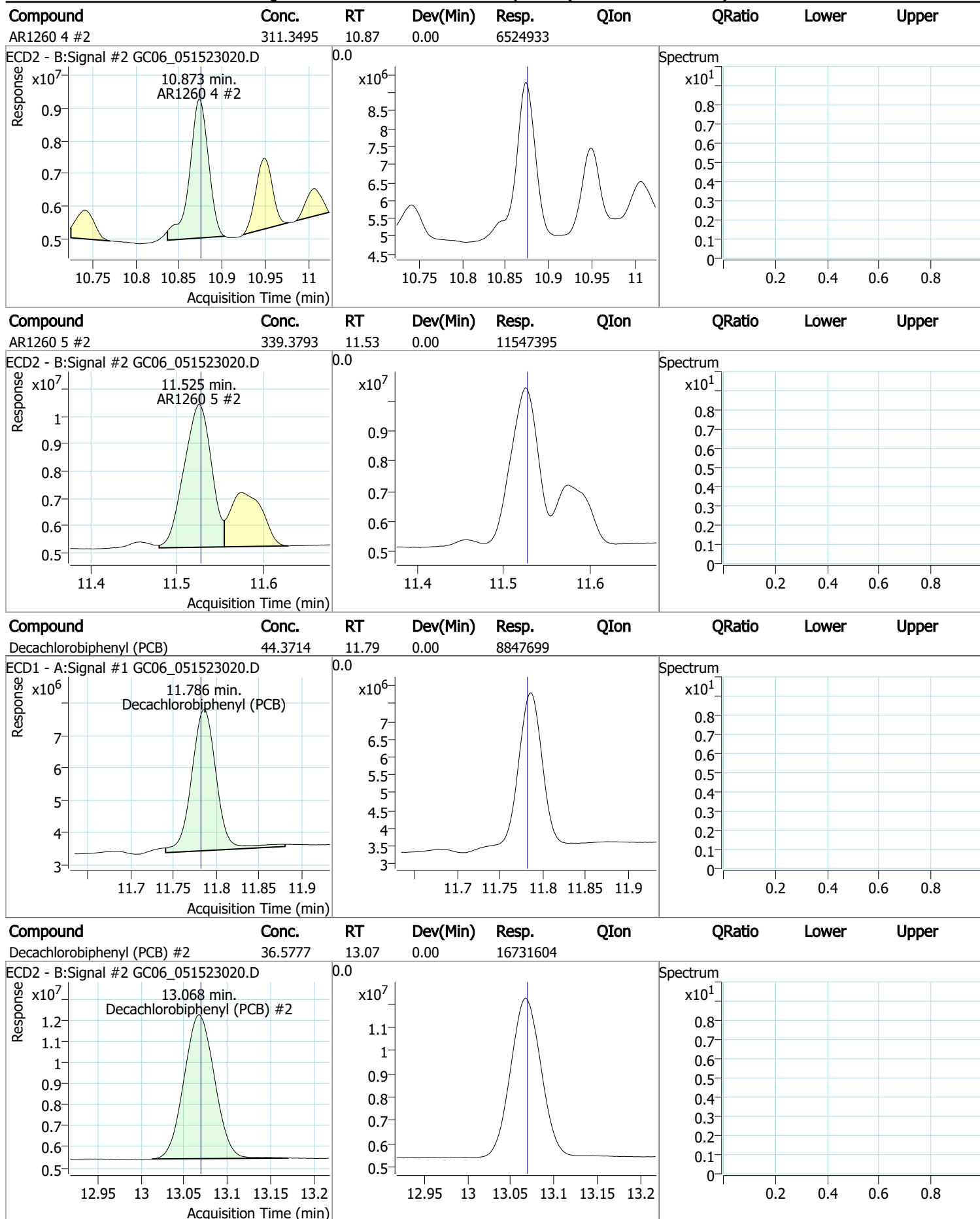
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



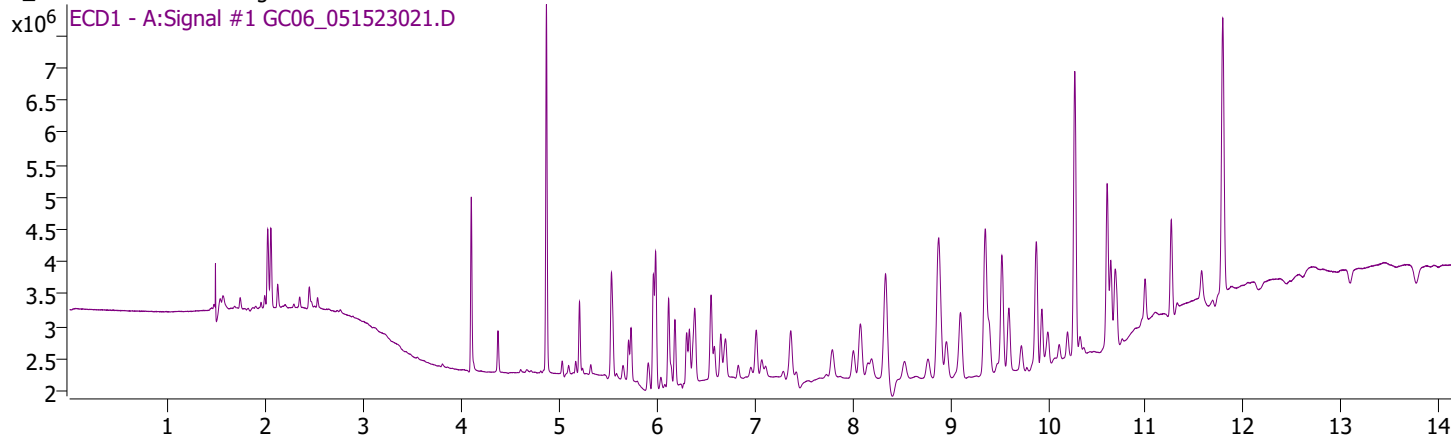
Quantitation Results Report (Not Reviewed)



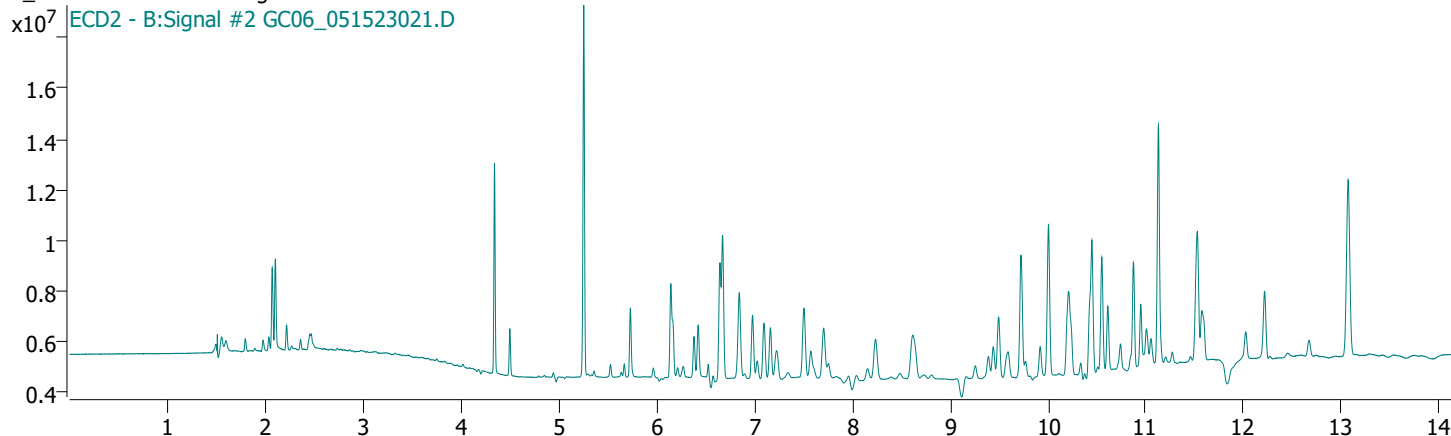
Quantitation Results Report (Not Reviewed)

Data File	GC06_051523021.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 6:51:15 PM
Sample Name	QC1065516, 313861, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			

GC06_051523021.D No MS Signals



GC06_051523021.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.107	0.0	2718708.13 3	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.343	0.0	7668784.63 9	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.874	0.0	5725347.73 1	41.2315	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.16%	*	
S TCMX (PCB) #2	5.256	0.0	15824802.7 81	41.6724	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.36%	*	
S Decachlorobiphenyl (PCB)	11.787	0.0	8435619.72 6	44.0313	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.16%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	16546672.2 59	38.7699	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.85%	*	

Target Compounds

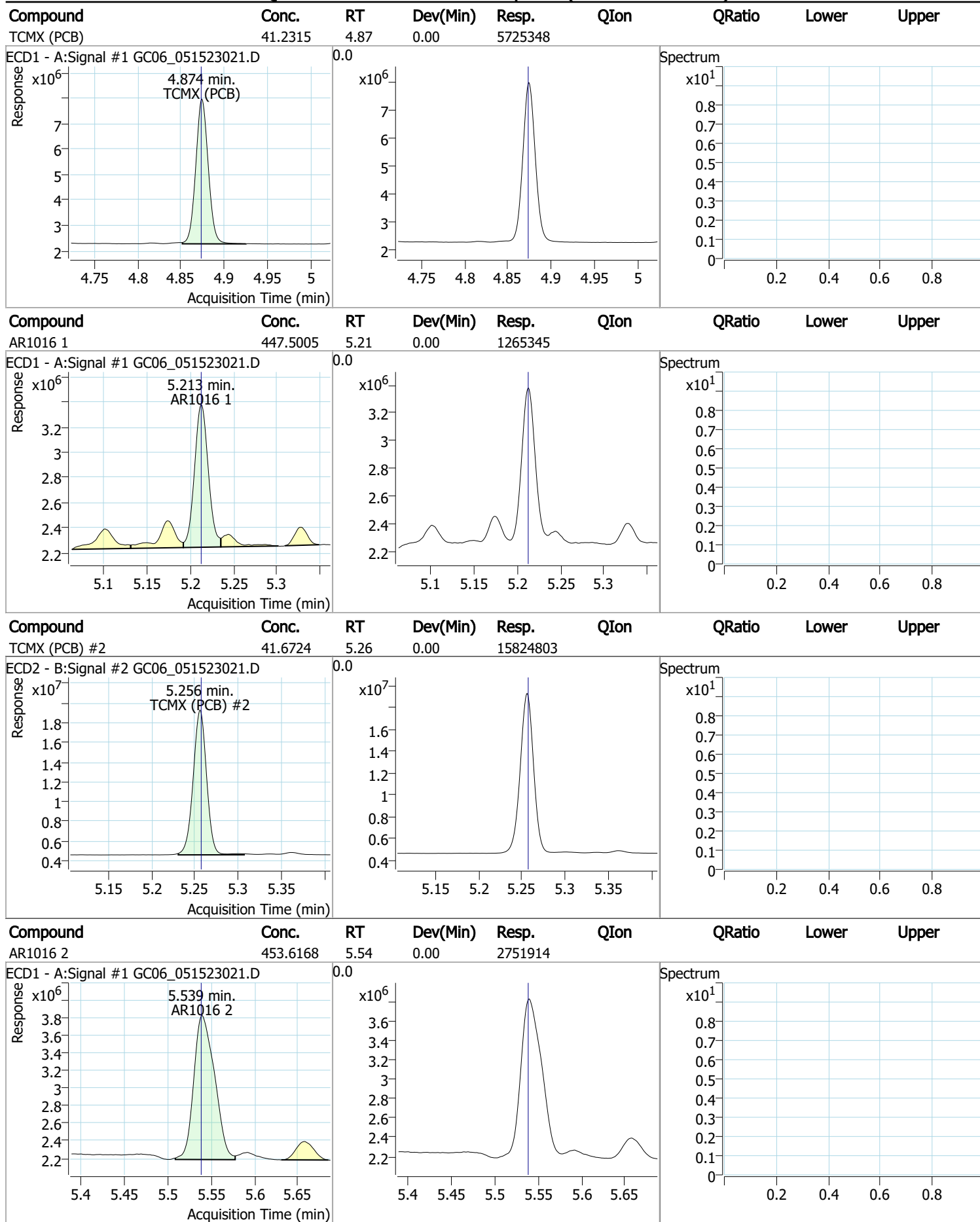
QValue

Quantitation Results Report (Not Reviewed)

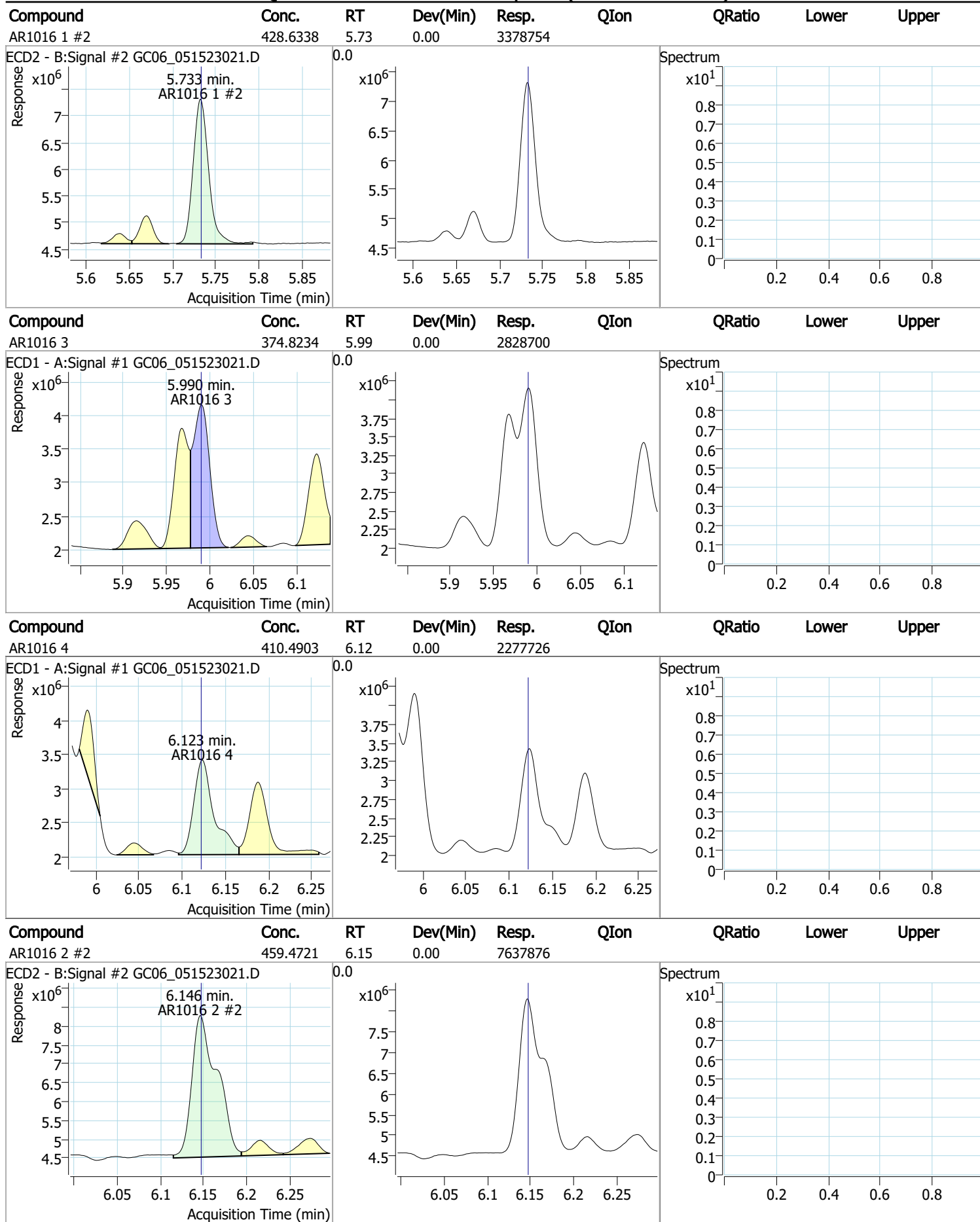
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.213	0.0	1265344.76 3	447.5005	ng/ml	100
T AR1016 2	5.539	0.0	2751913.80 0	453.6168	ng/ml	100
T AR1016 1 #2	5.733	0.0	3378754.04 9	428.6338	ng/ml	100
T AR1016 3	5.990	0.0	2828699.63 6	374.8234	ng/ml	100
T AR1016 4	6.123	0.0	2277726.04 3	410.4903	ng/ml	100
T AR1016 2 #2	6.146	0.0	7637876.47 3	459.4721	ng/ml	100
T AR1016 5	6.308	0.0	1163142.74 9	357.4096	ng/ml	100
T AR1016 3 #2	6.674	0.0	9424690.30 1	446.8401	ng/ml	100
T AR1016 4 #2	6.845	0.0	6576114.72 3	433.3925	ng/ml	100
T AR1016 5 #2	7.507	0.0	5576301.93 7	446.2854	ng/ml	100
T AR1260 1	8.340	0.0	4908691.88 1	541.8835	ng/ml	100
T AR1260 2	8.884	0.0	6288181.49 8	459.2941	ng/ml	100
T AR1260 3	9.359	0.0	6050146.86 6	439.6886	ng/ml	100
T AR1260 1 #2	9.724	0.0	9284393.02 2	424.3475	ng/ml	100
T AR1260 4	9.881	0.0	3877404.56 9	455.2935	ng/ml	100
T AR1260 2 #2	10.006	0.0	10819635.0 00	399.7212	ng/ml	100
T AR1260 3 #2	10.449	0.0	12369973.8 64	371.1452	ng/ml	100
T AR1260 5	10.605	0.0	4309254.33 6	234.3694	ng/ml	100
T AR1260 4 #2	10.873	0.0	6107417.83 8	312.3456	ng/ml	100
T AR1260 5 #2	11.527	0.0	11344910.8 19	357.3617	ng/ml	100

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

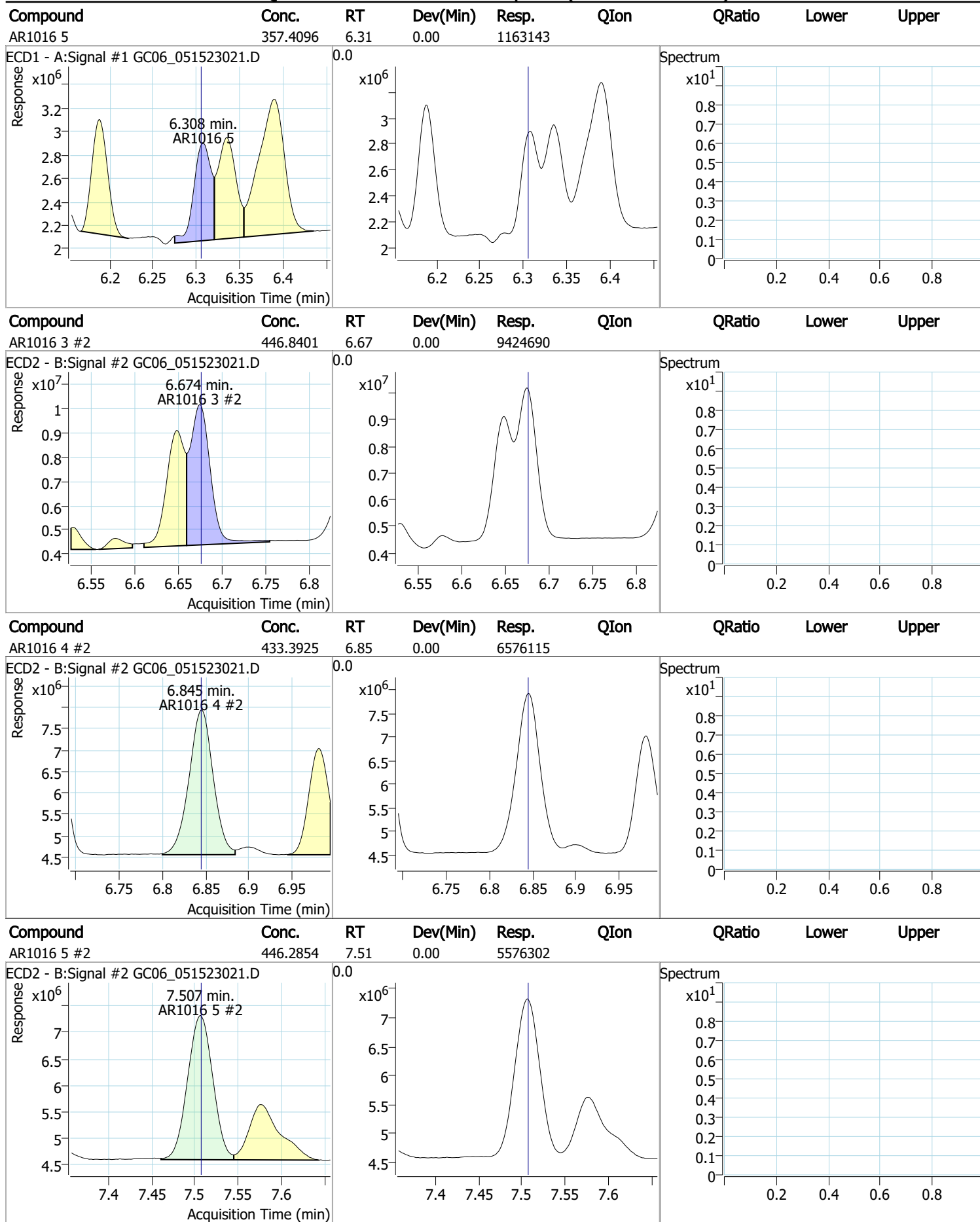
Quantitation Results Report (Not Reviewed)



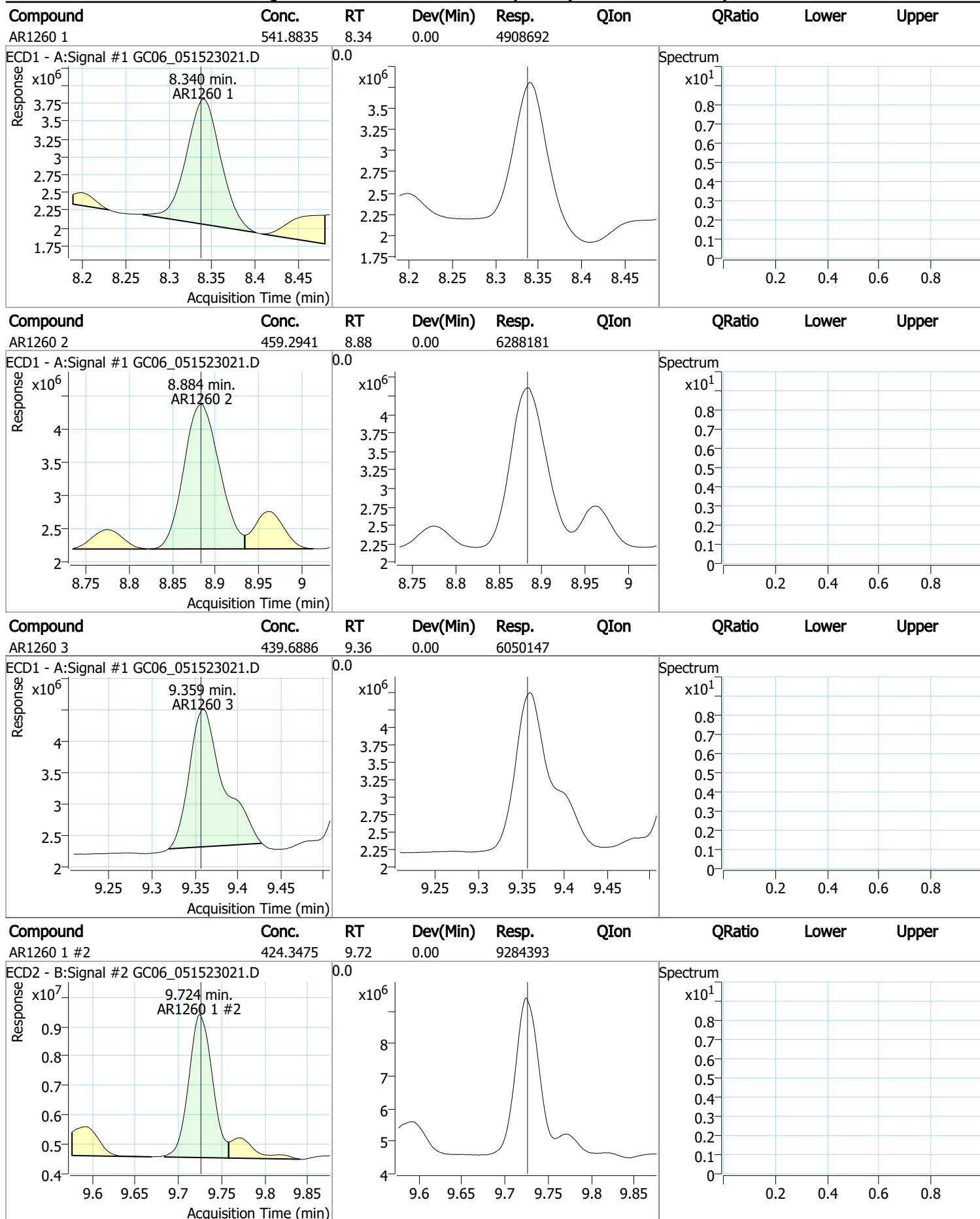
Quantitation Results Report (Not Reviewed)



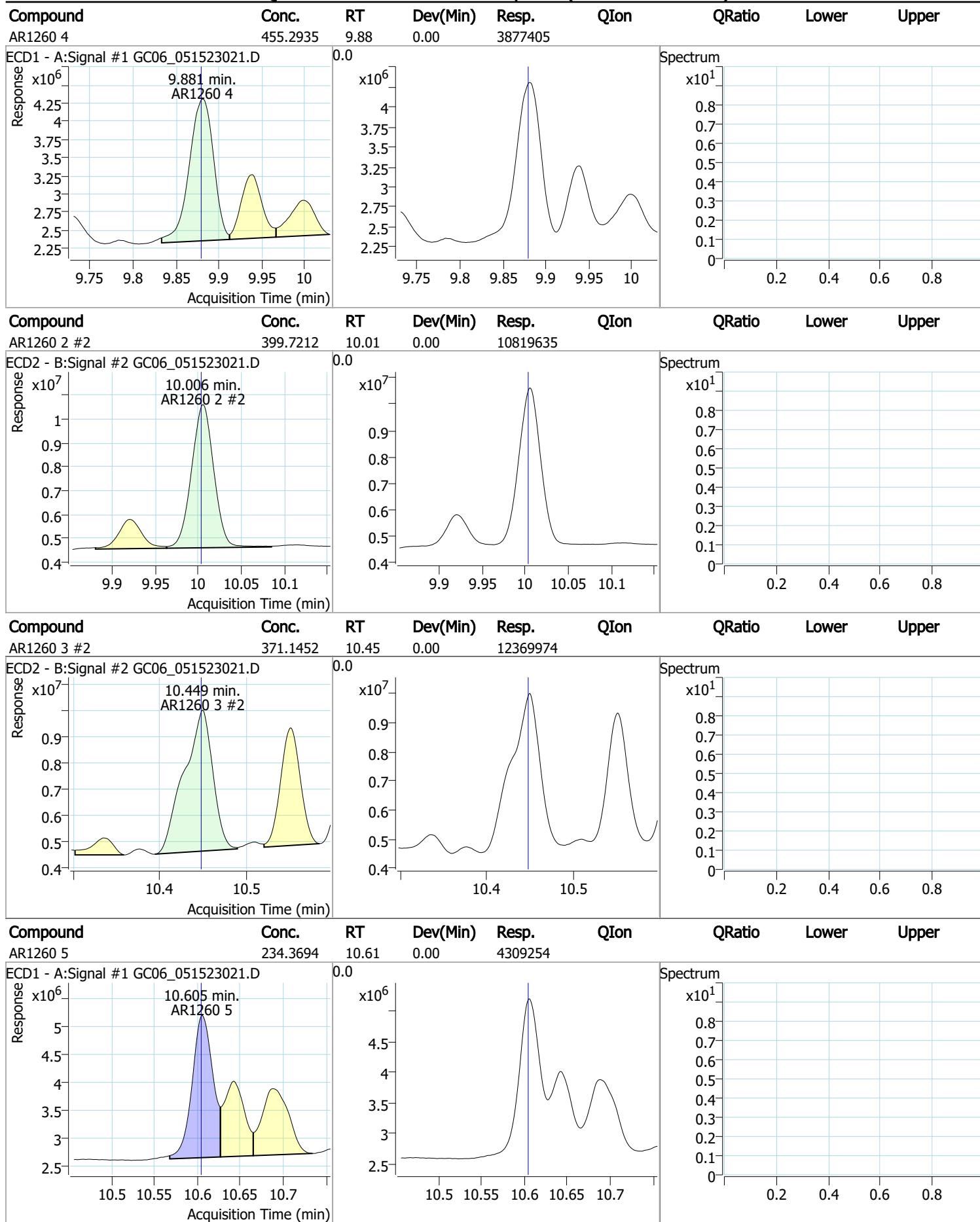
Quantitation Results Report (Not Reviewed)



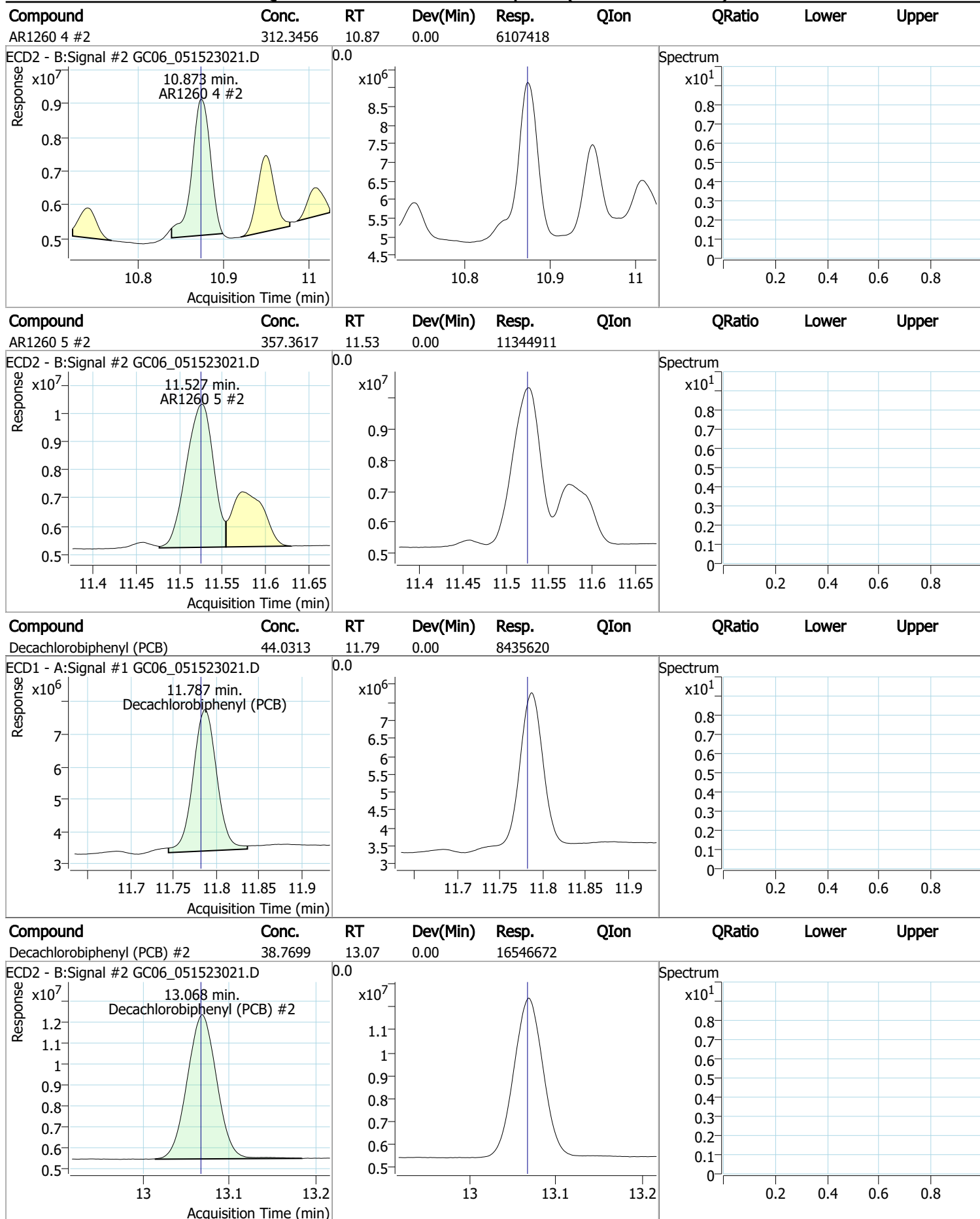
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Initial Calibration Raw Data

Instrument: SVOA-GC06
 Calibration #: 453140432001
 Units: ug/L

Name: PCB_040723_1
 Date: 07-APR-2023 22:30
 X Axis: R

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

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

Instrument amount = $a0 + (response \times a1) + (response^2 \times a2)$
 AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 484907 PCBs Wipe: EPA 8082

Instrument: SVOA-GC06
Calibration #: 453140432001
Units: ug/L

Name: PCB_040723_1
Date: 07-APR-2023 22:30
X Axis: R

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

ENTHALPY INITIAL CALIBRATION FOR 484907 PCBs Wipe: EPA 8082

Instrument: SVOA-GC06
Calibration #: 453140432001
Units: ug/L

Name: PCB_040723_1
Date: 07-APR-2023 22:30
X Axis: R

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

Instrument: SVOA-GC06
 Calibration #: 453140432001
 Units: ug/L

Name: PCB_040723_1
 Date: 07-APR-2023 22:30
 X Axis: R

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

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

Analyst: TRN 04/09/23

Reviewer: LW 04/10/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 484907 PCBS Wipe
EPA 8082

Inst: SVOA-GC06
Calnum: 453140432001

Name: PCB_040723_1
Cal Date: 07-APR-2023

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

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

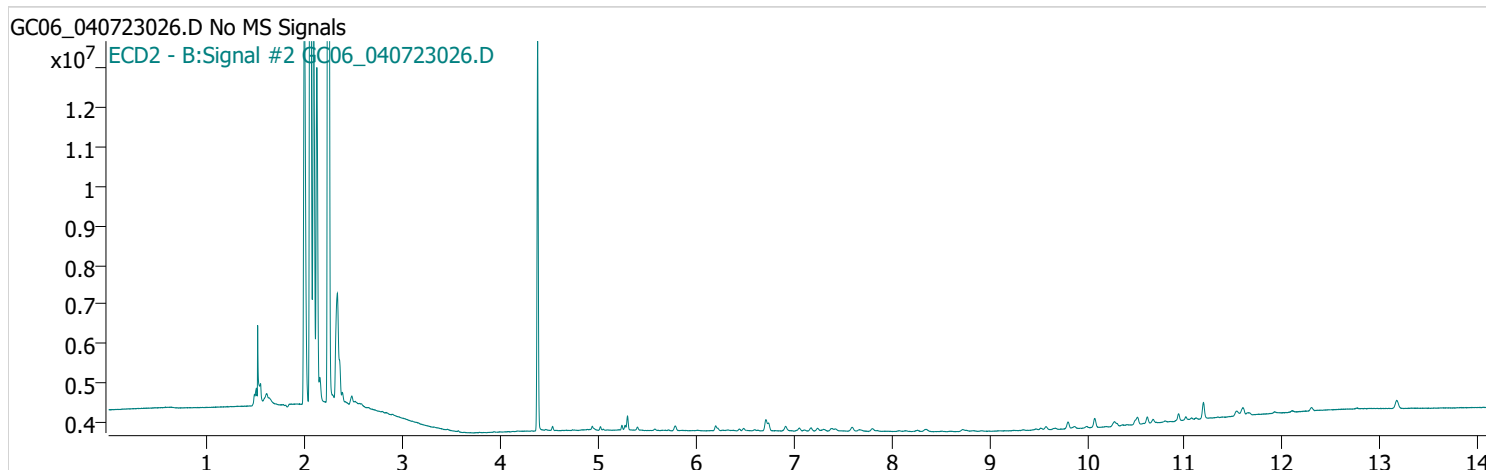
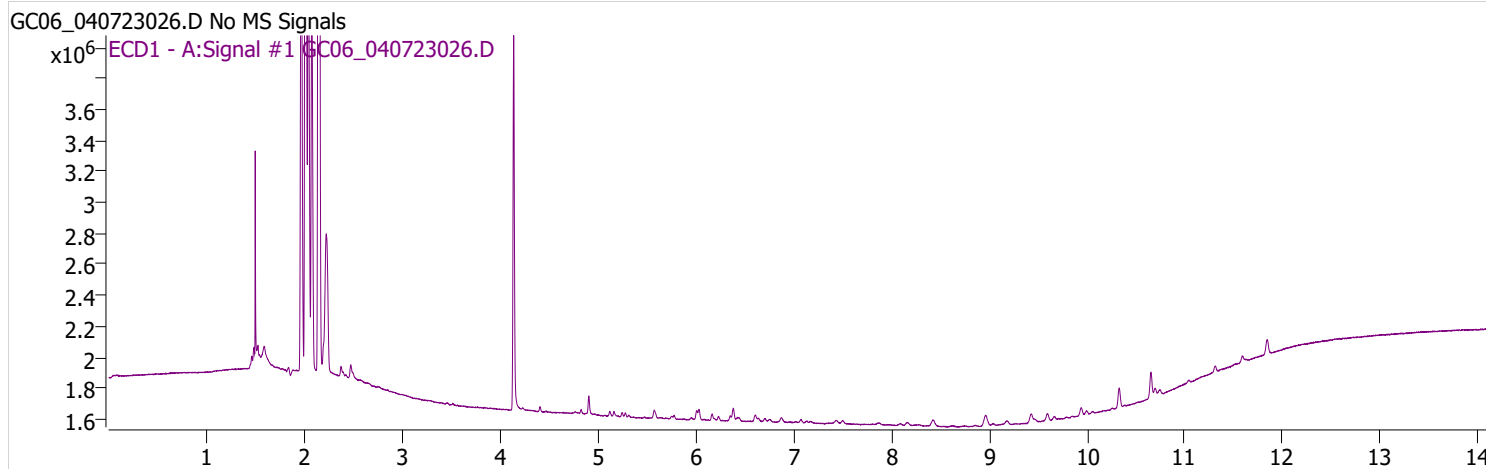
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Analyst: TRN 04/09/23

Reviewer: LW 04/10/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_040723026.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/7/2023 10:30:36 PM
Sample Name	ICAL, S18179	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



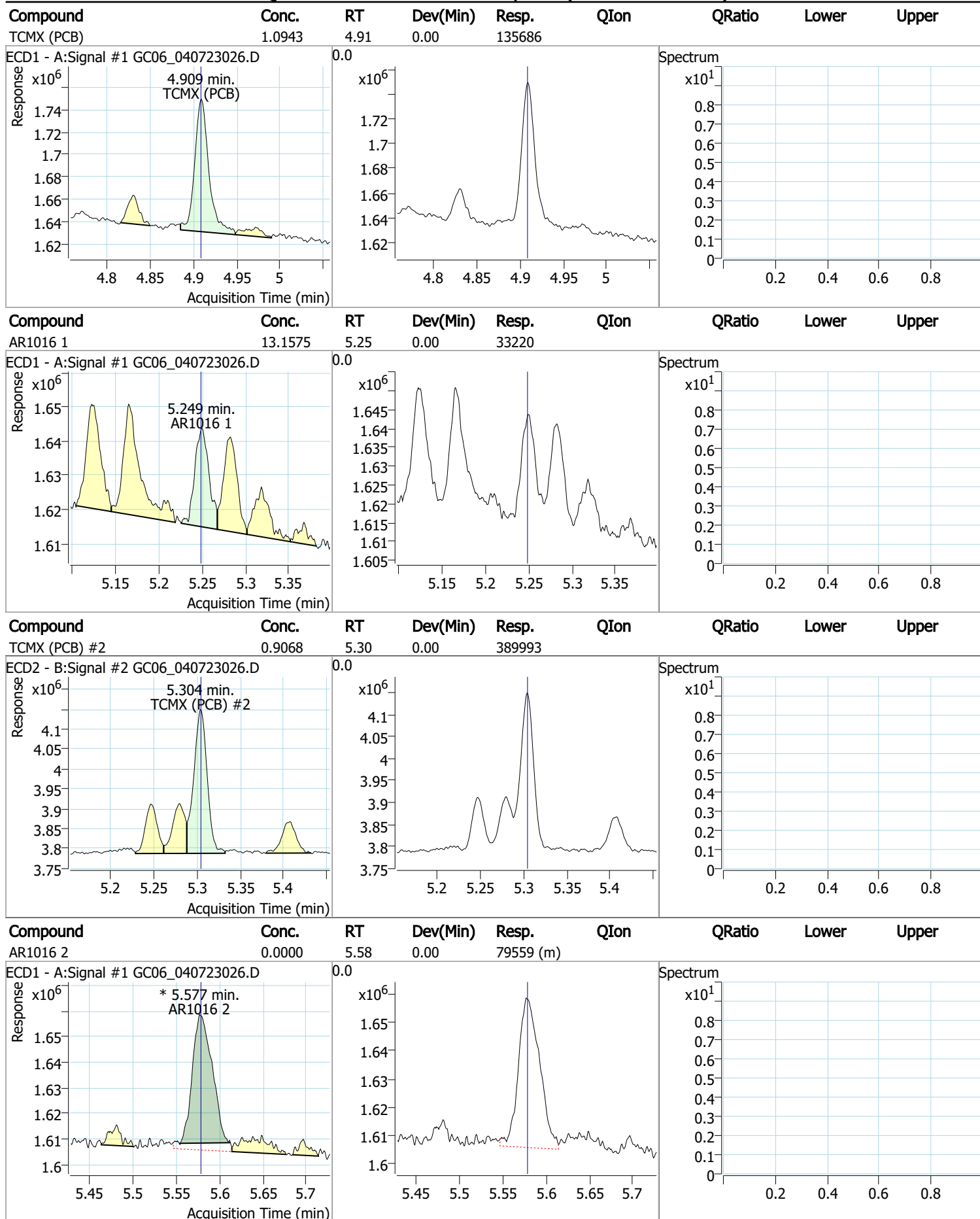
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.141	0.0	2427613.55 1	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	8684822.62 3	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.909	0.0	135685.818	1.0943	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.47%		*	
S TCMX (PCB) #2	5.304	0.0	389992.959	0.9068	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.53%		*	
S Decachlorobiphenyl (PCB)	11.842	0.0	180398.654	1.0545	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.27%		*	
S Decachlorobiphenyl (PCB) #2	13.165	0.0	487776.879	1.0092	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.05%		*	
Target Compounds							QValue
T AR1016 1	5.249	0.0	33220.424	13.1575	ng/ml		100
T AR1016 2	5.577	0.0	79558.600	0.0000	ng/ml	m	100
T AR1016 1 #2	5.793	0.0	197304.811	22.1021	ng/ml		100

Quantitation Results Report (Not Reviewed)

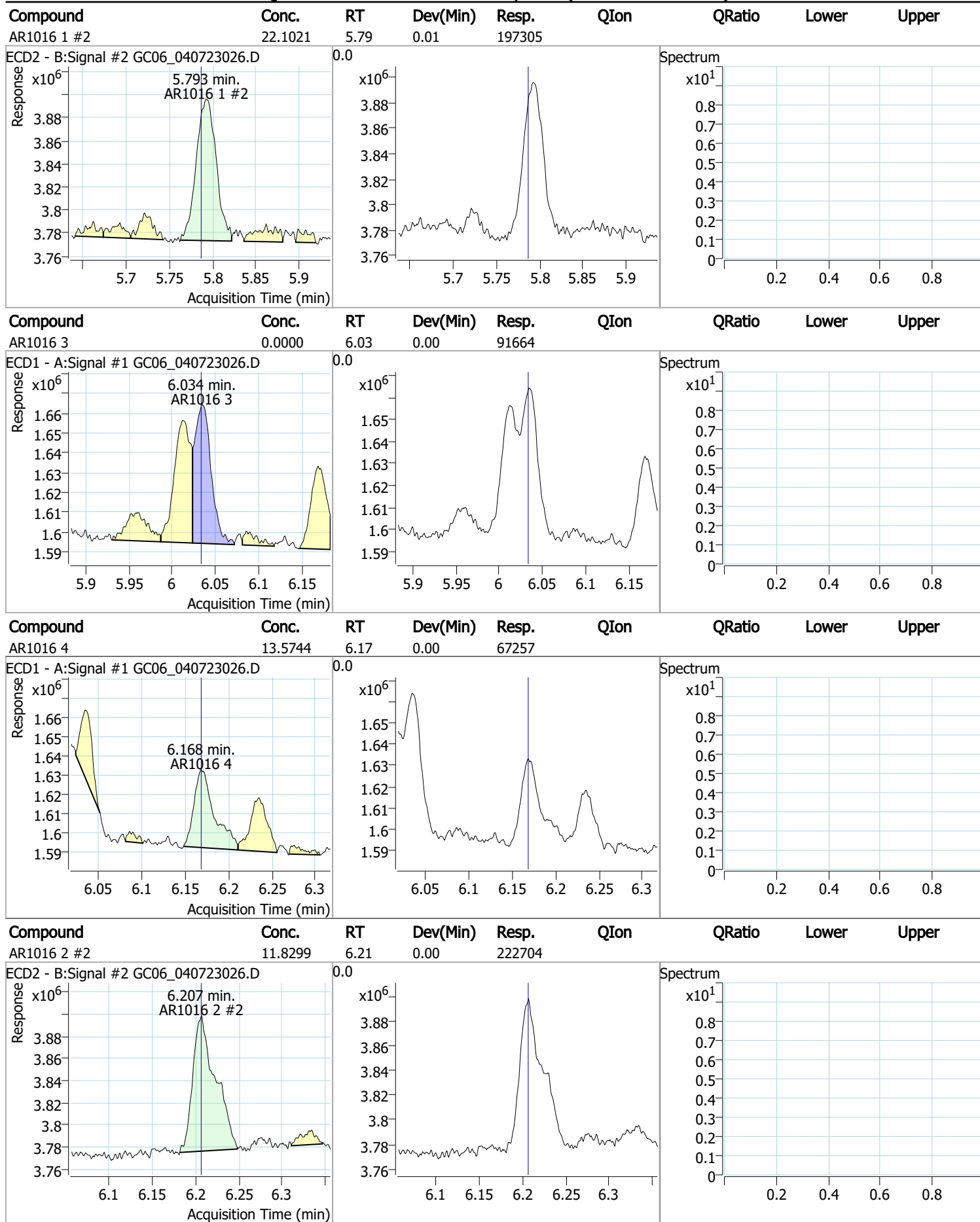
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.034	0.0	91663.825	0.0000	ng/ml	100
T AR1016 4	6.168	0.0	67256.630	13.5744	ng/ml	100
T AR1016 2 #2	6.207	0.0	222704.092	11.8299	ng/ml	100
T AR1016 5	6.355	0.0	34573.052	11.8975	ng/ml	100
T AR1016 3 #2	6.747	0.0	305849.987	12.8044	ng/ml m	100
T AR1016 4 #2	6.919	0.0	232756.103	13.5450	ng/ml m	100
T AR1016 5 #2	7.599	0.0	196443.302	13.8825	ng/ml	100
T AR1260 1	8.426	0.0	106077.452	13.1143	ng/ml	100
T AR1260 2	8.963	0.0	176011.698	14.3976	ng/ml	100
T AR1260 3	9.432	0.0	157370.680	12.8081	ng/ml	100
T AR1260 1 #2	9.806	0.0	317249.724	12.8037	ng/ml	100
T AR1260 4	9.941	0.0	90944.174	11.9594	ng/ml	100
T AR1260 2 #2	10.079	0.0	390405.013	12.7358	ng/ml	100
T AR1260 5	10.330	0.0	207653.317	12.6480	ng/ml	100
T AR1260 3 #2	10.516	0.0	420196.333	11.1325	ng/ml	100
T AR1260 4 #2	10.937	0.0	259931.915	11.7382	ng/ml	100
T AR1260 5 #2	11.593	0.0	472625.248	13.1459	ng/ml	100

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

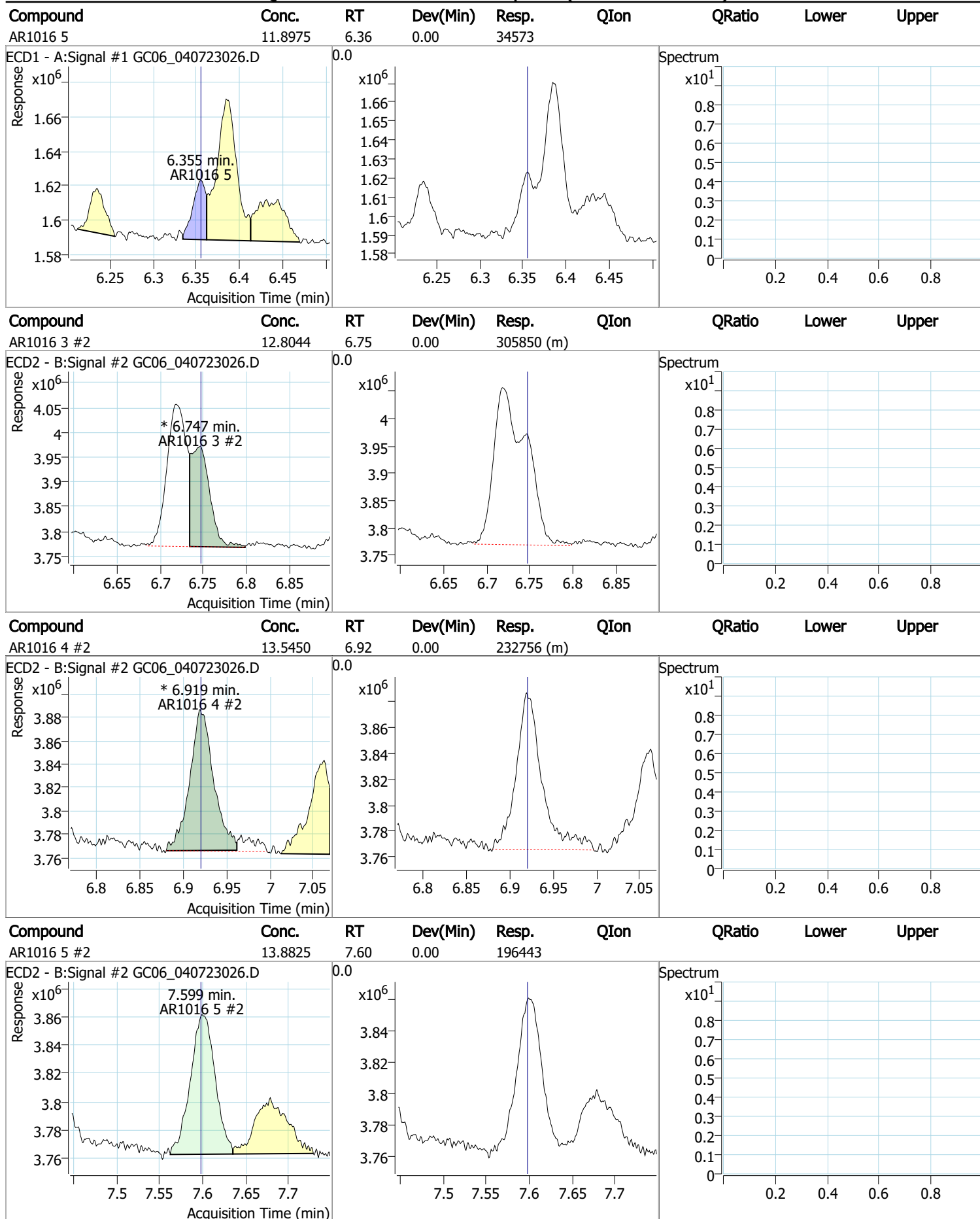
Quantitation Results Report (Not Reviewed)



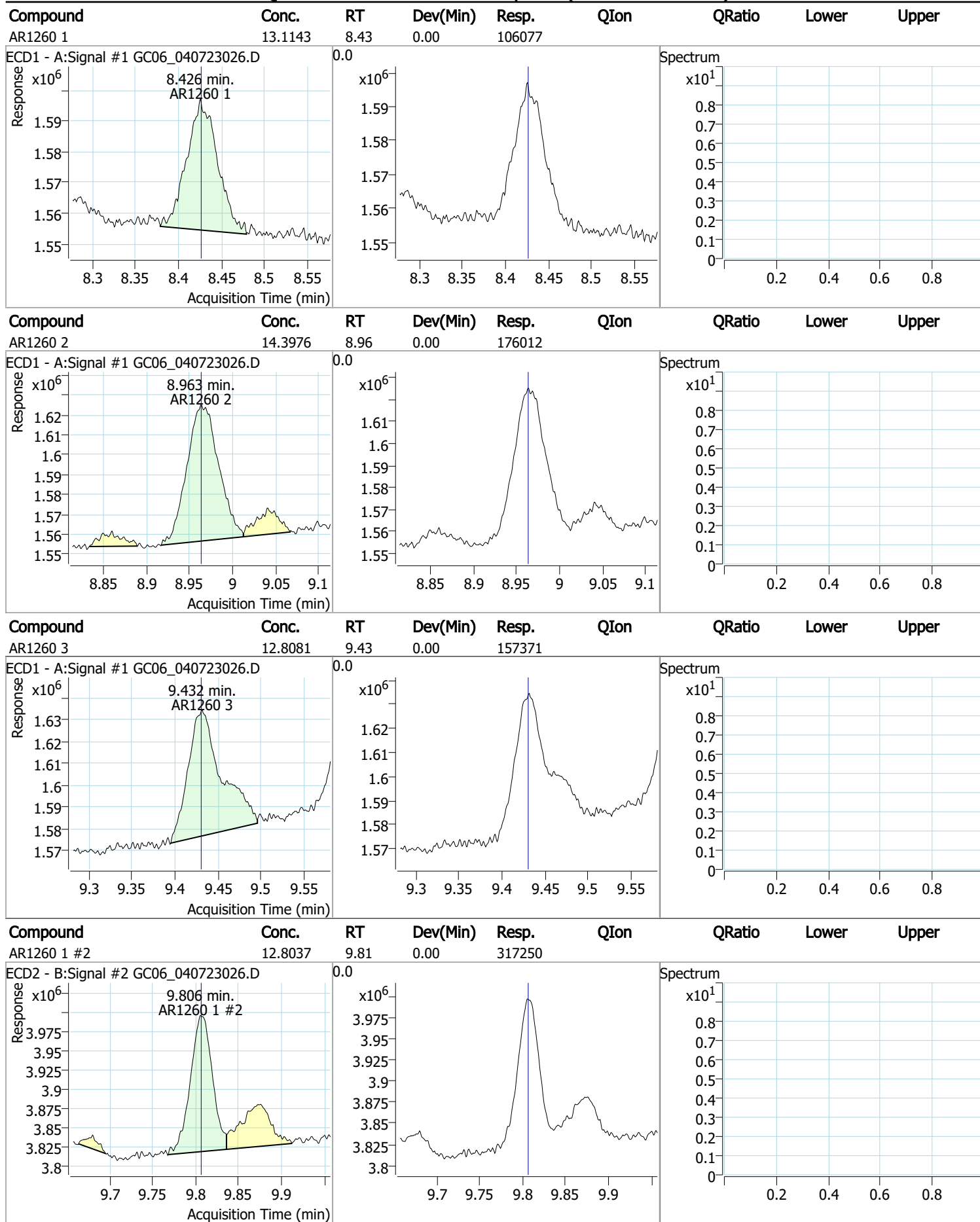
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

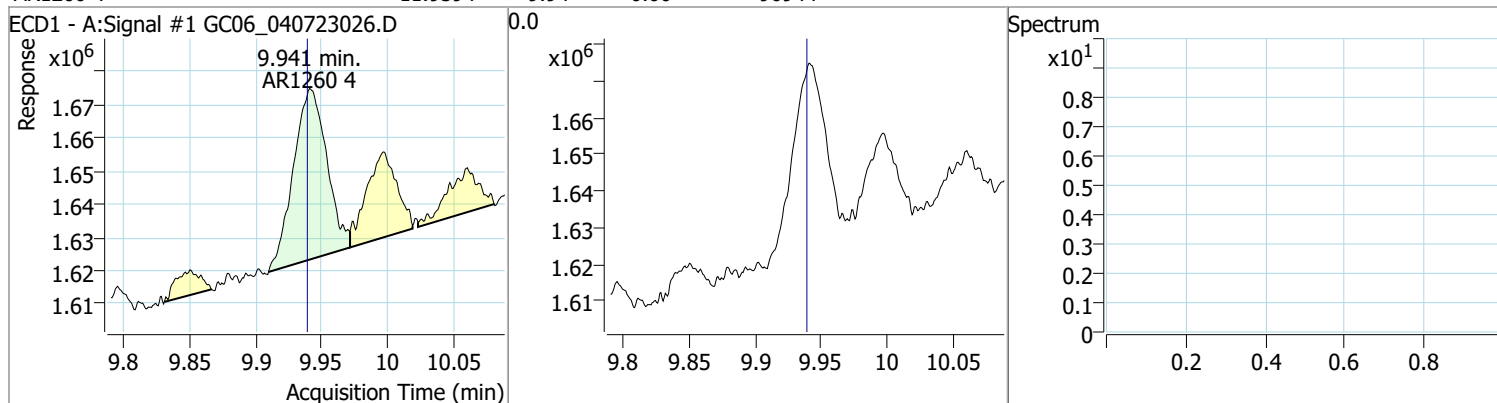


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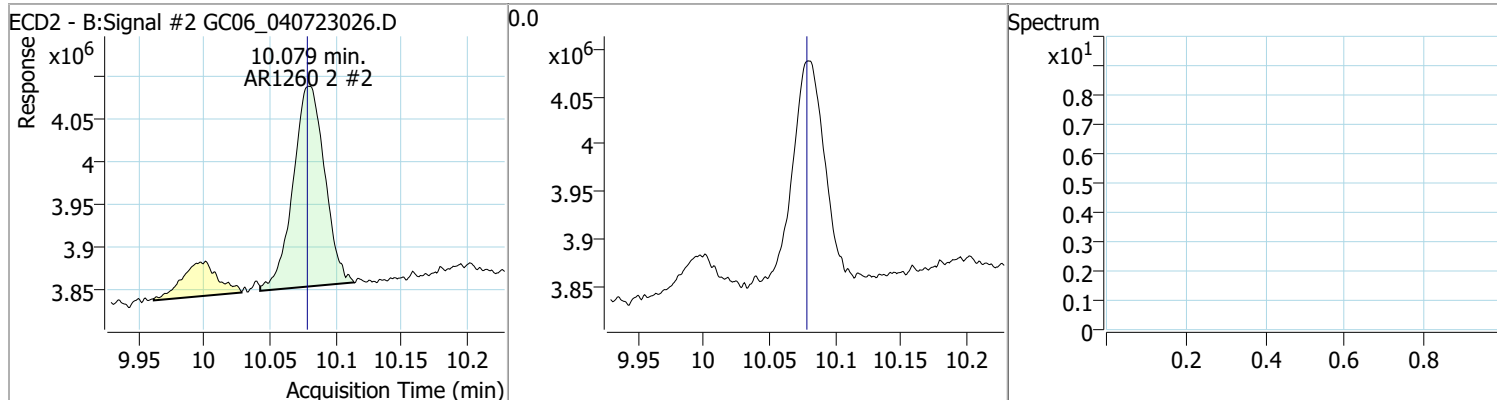


Quantitation Results Report (Not Reviewed)

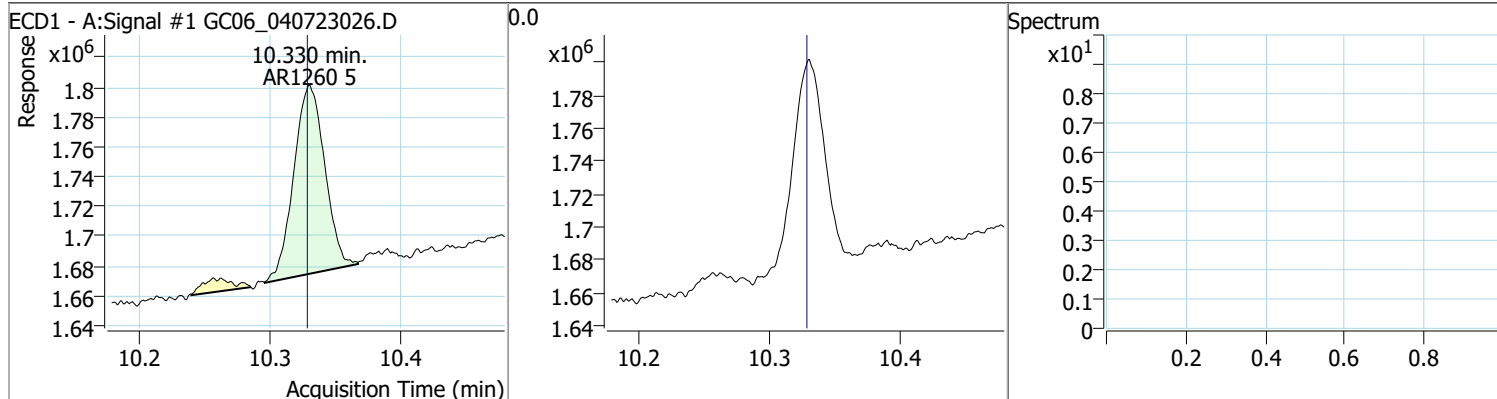
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.9594	9.94	0.00	90944				



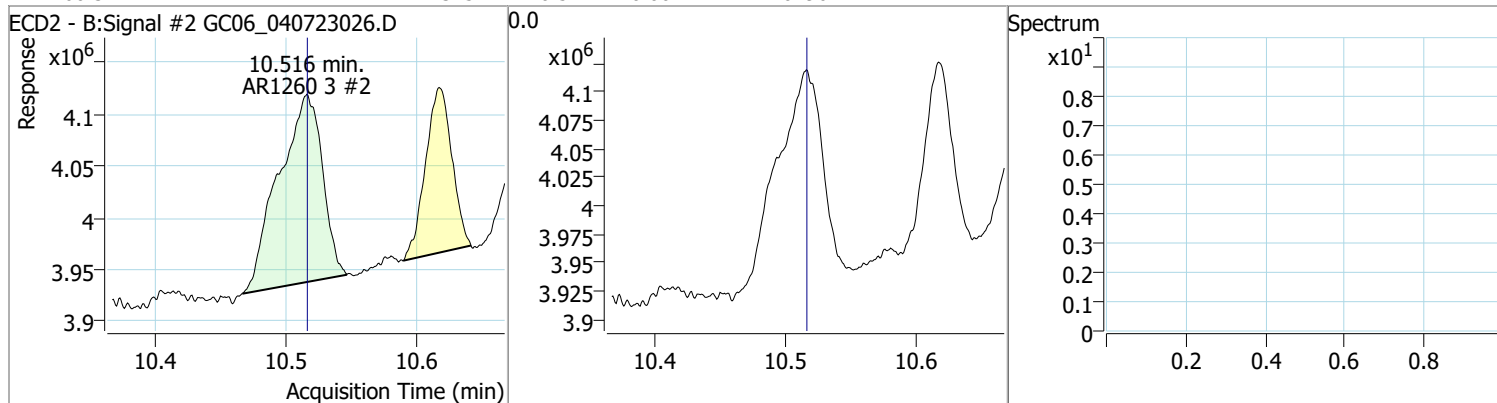
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	12.7358	10.08	0.00	390405				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	12.6480	10.33	0.00	207653				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.1325	10.52	0.00	420196				

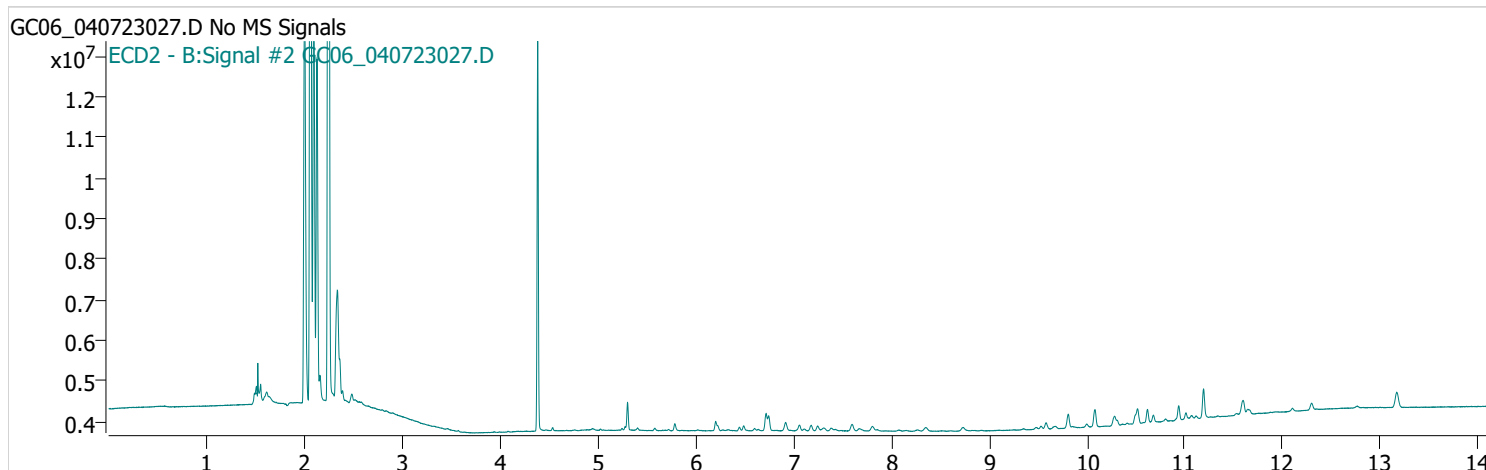
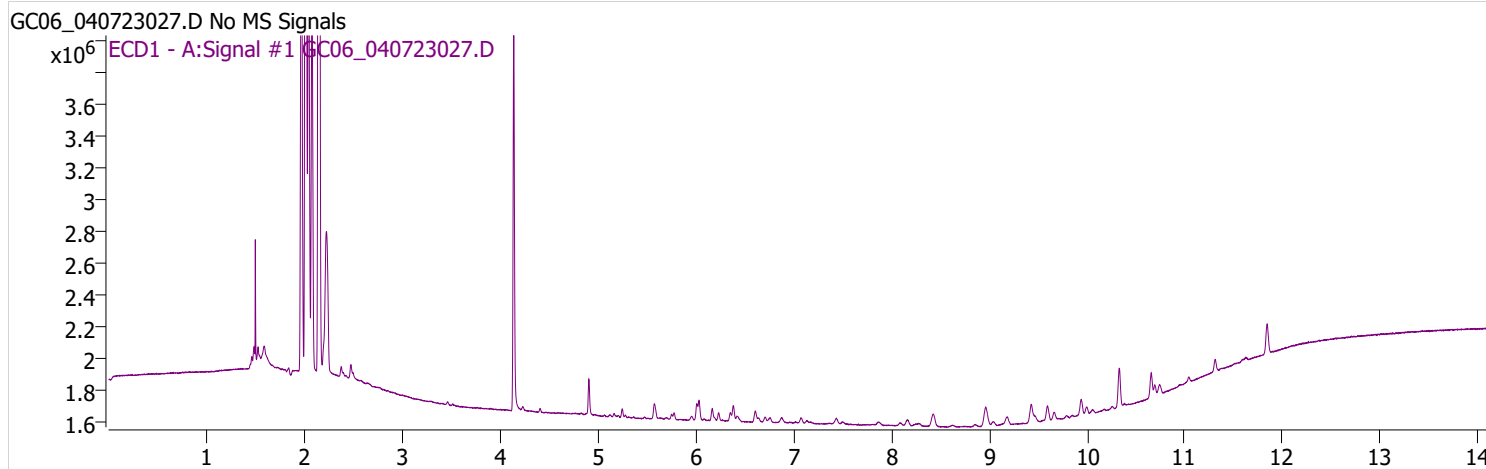


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	11.7382	10.94	0.00	259932				
ECD2 - B:Signal #2 GC06_040723026.D 10.937 min. AR1260 4 #2 Spectrum								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.1459	11.59	0.00	472625				
ECD2 - B:Signal #2 GC06_040723026.D 11.593 min. AR1260 5 #2 Spectrum								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.0545	11.84	0.00	180399				
ECD1 - A:Signal #1 GC06_040723026.D 11.842 min. Decachlorobiphenyl (PCB) Spectrum								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.0092	13.17	0.00	487777				
ECD2 - B:Signal #2 GC06_040723026.D 13.165 min. Decachlorobiphenyl (PCB) #2 Spectrum								

Quantitation Results Report (Not Reviewed)

Data File	GC06_040723027.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/7/2023 10:48:51 PM
Sample Name	ICAL, S18180	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



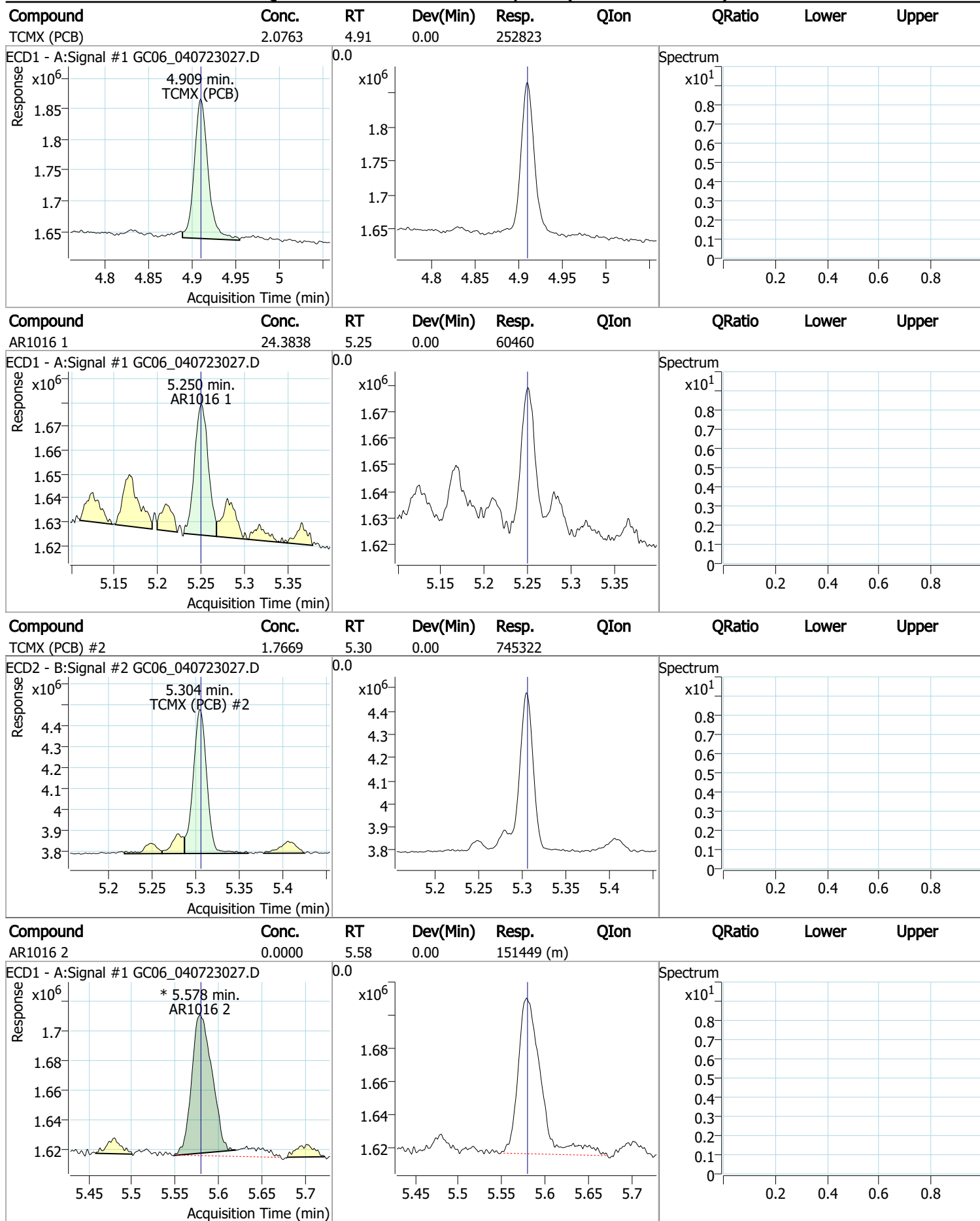
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2384058.808	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.387	0.0	8518615.979	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.909	0.0	252823.058	2.0763	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.38%		*	
S TCMX (PCB) #2	5.304	0.0	745322.399	1.7669	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.83%		*	
S Decachlorobiphenyl (PCB)	11.842	0.0	329885.438	1.9636	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.82%		*	
S Decachlorobiphenyl (PCB) #2	13.166	0.0	903256.439	1.9053	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.53%		*	
Target Compounds							QValue
T AR1016 1	5.250	0.0	60460.337	24.3838	ng/ml		100
T AR1016 2	5.578	0.0	151448.545	0.0000	ng/ml	m	100
T AR1016 1 #2	5.788	0.0	247915.037	28.3133	ng/ml		100

Quantitation Results Report (Not Reviewed)

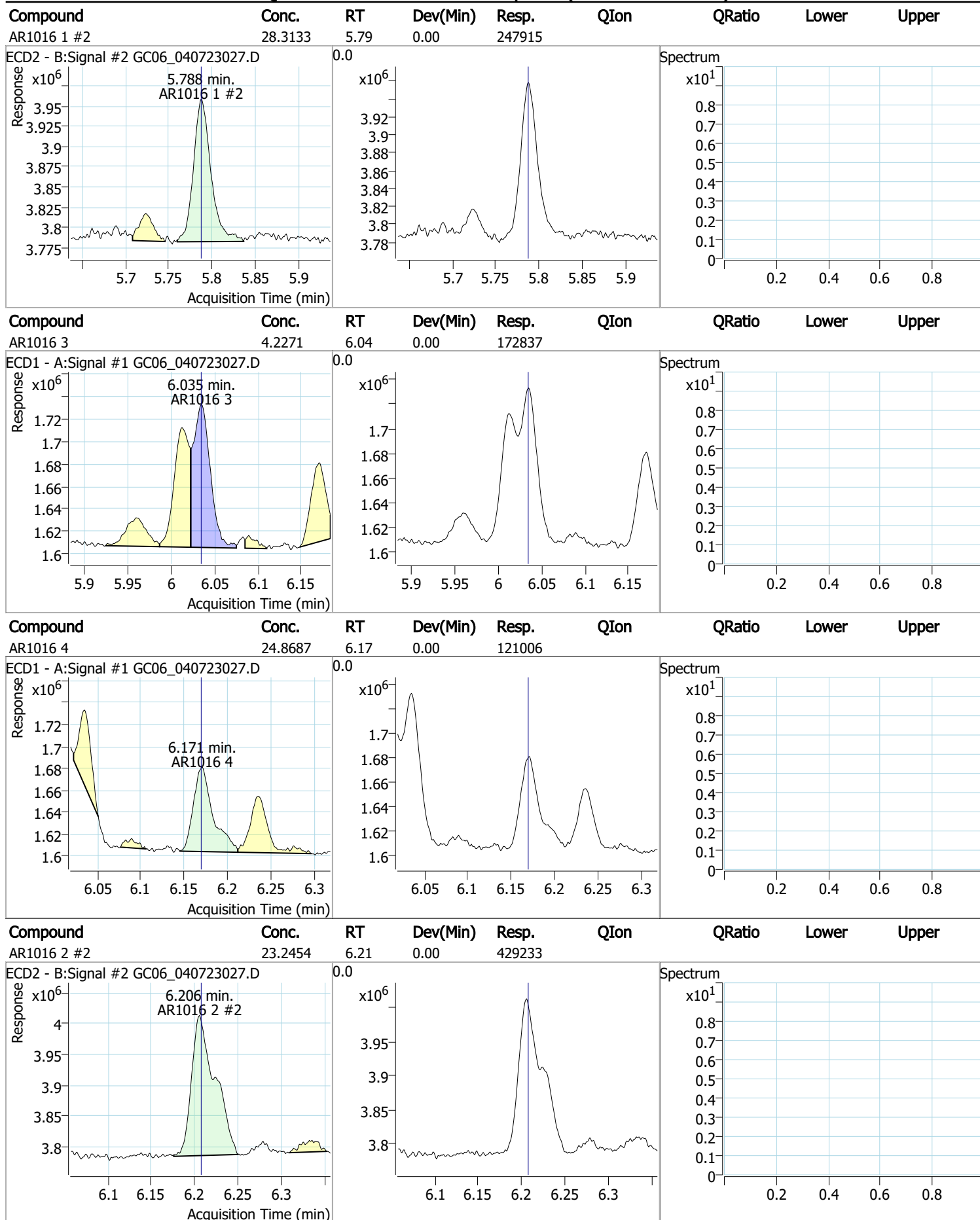
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.035	0.0	172836.625	4.2271	ng/ml	100
T AR1016 4	6.171	0.0	121005.807	24.8687	ng/ml	100
T AR1016 2 #2	6.206	0.0	429233.020	23.2454	ng/ml	100
T AR1016 5	6.355	0.0	71813.186	25.1642	ng/ml	100
T AR1016 3 #2	6.746	0.0	529519.038	22.6008	ng/ml	100
T AR1016 4 #2	6.921	0.0	377922.760	22.4219	ng/ml	100
T AR1016 5 #2	7.599	0.0	323459.003	23.3047	ng/ml	100
T AR1260 1	8.428	0.0	205640.847	25.8878	ng/ml	100
T AR1260 2	8.966	0.0	316178.721	26.3357	ng/ml	100
T AR1260 3	9.430	0.0	291319.881	24.1432	ng/ml	100
T AR1260 1 #2	9.808	0.0	595349.739	24.4961	ng/ml	100
T AR1260 4	9.942	0.0	183612.883	24.5866	ng/ml	100
T AR1260 2 #2	10.082	0.0	734896.400	24.4415	ng/ml	100
T AR1260 5	10.330	0.0	413930.033	25.6727	ng/ml	100
T AR1260 3 #2	10.516	0.0	849995.130	22.9588	ng/ml	100
T AR1260 4 #2	10.938	0.0	514997.363	23.7105	ng/ml	100
T AR1260 5 #2	11.596	0.0	830996.859	23.5648	ng/ml	100

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

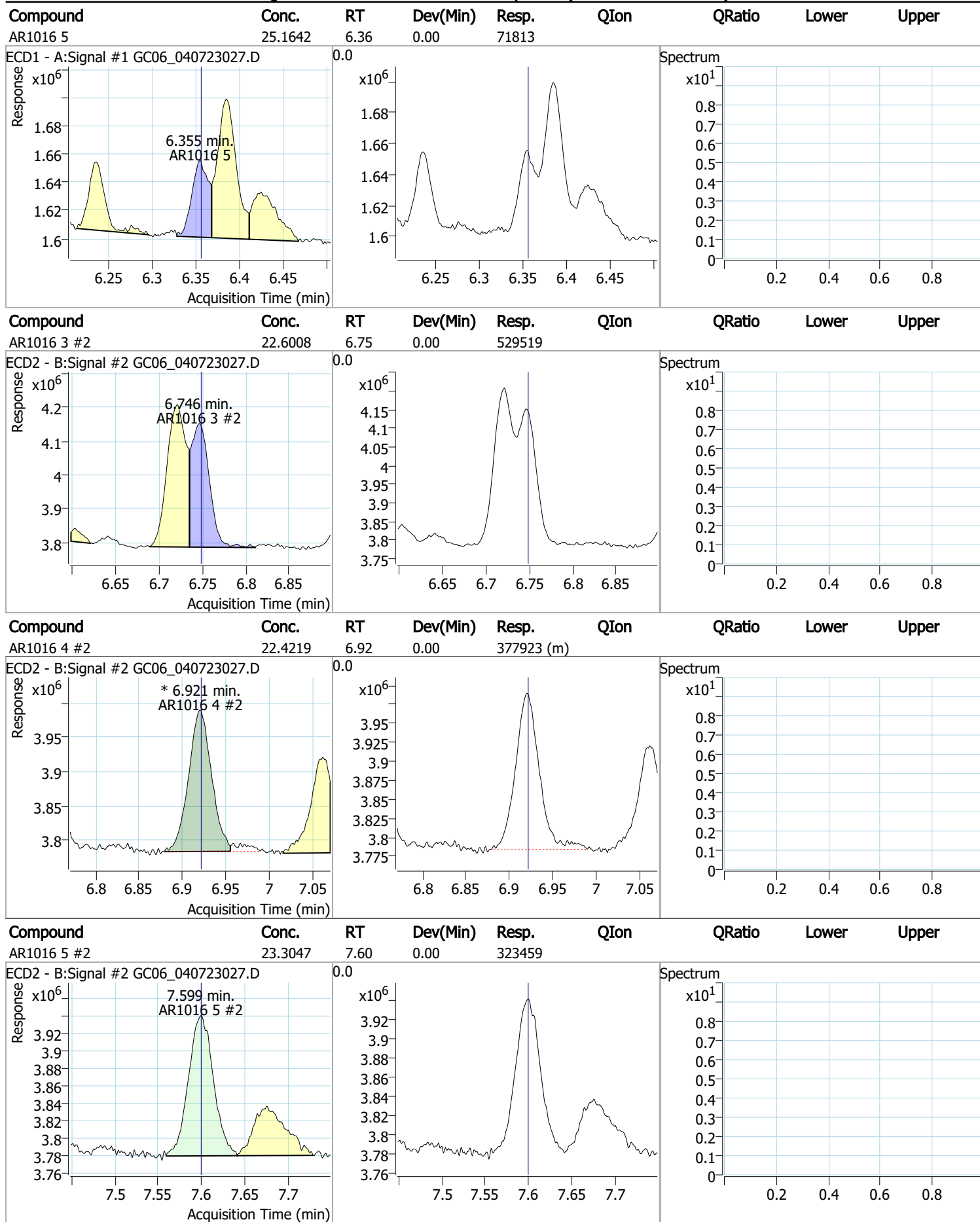
Quantitation Results Report (Not Reviewed)



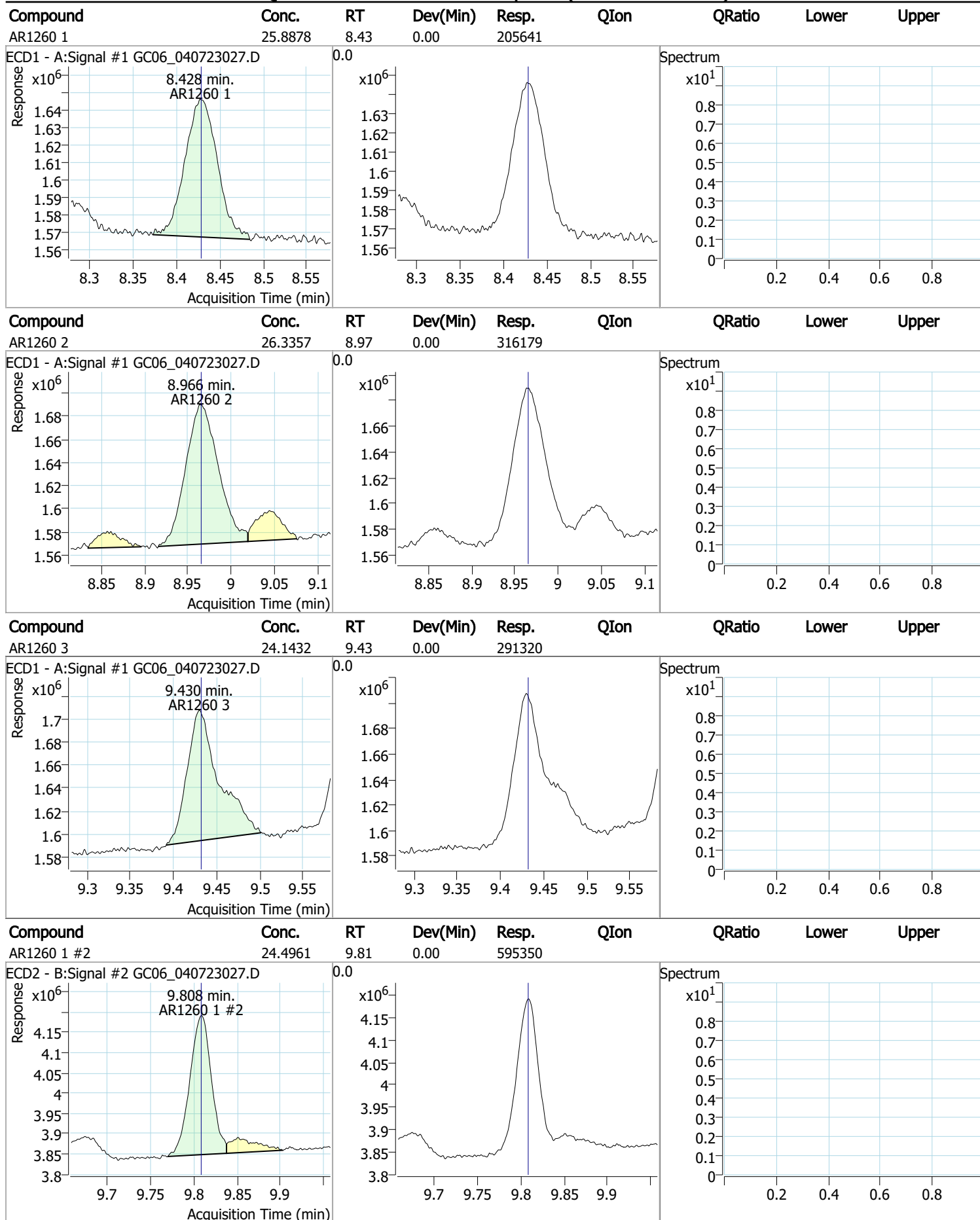
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

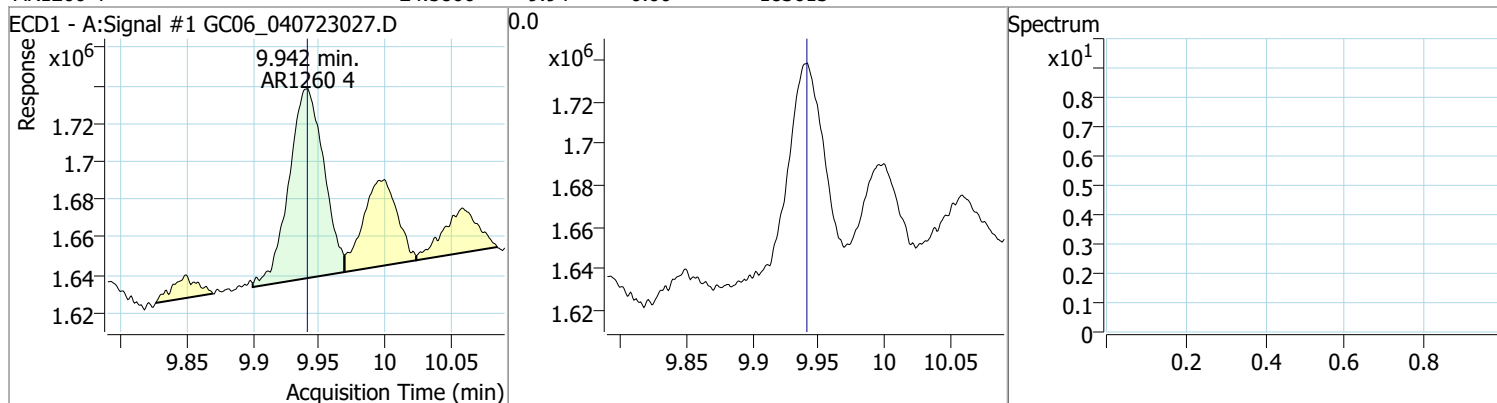


Quantitation Results Report (Not Reviewed)

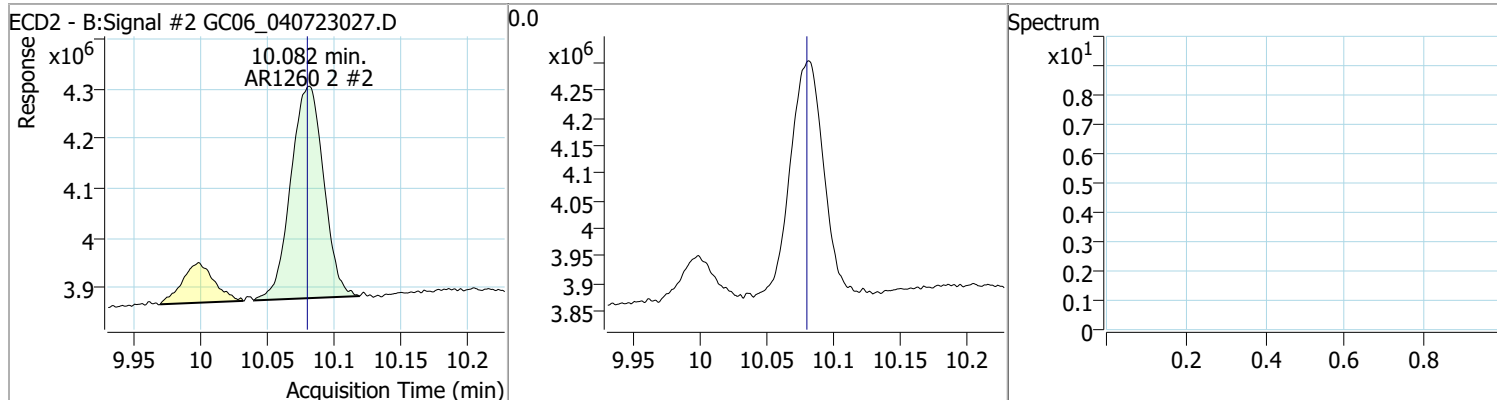


Quantitation Results Report (Not Reviewed)

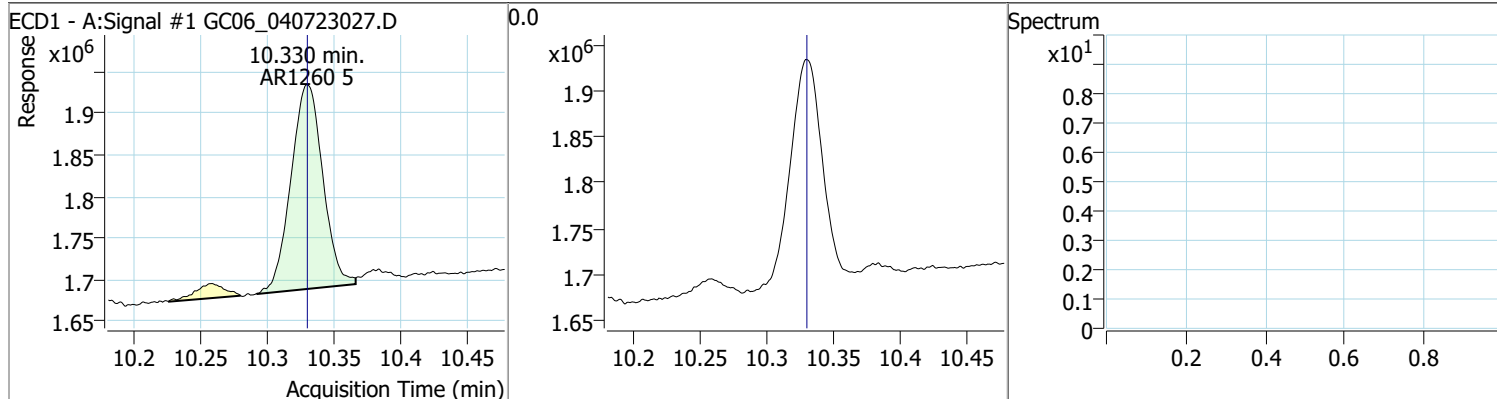
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.5866	9.94	0.00	183613				



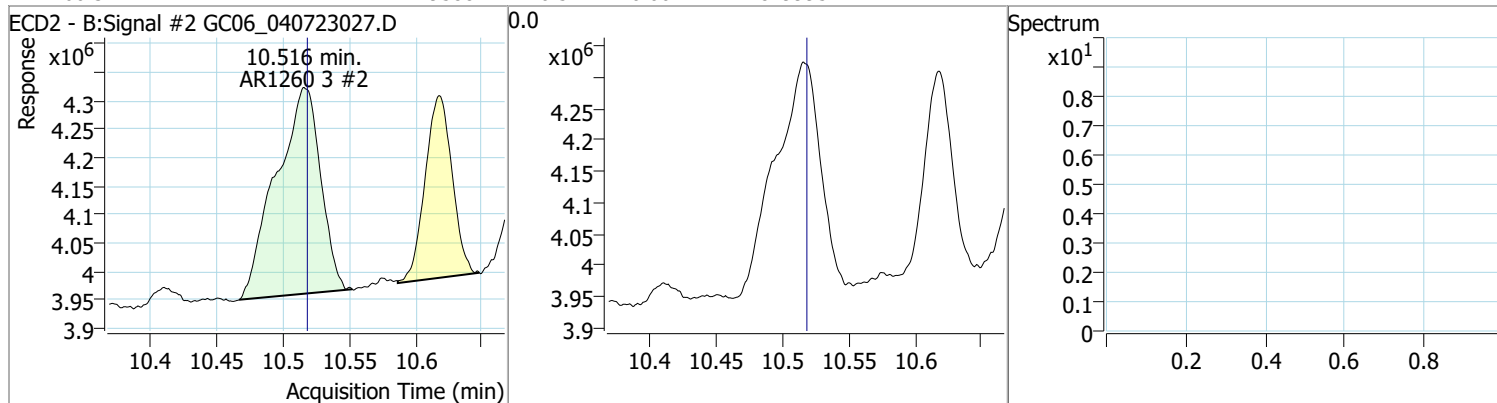
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	24.4415	10.08	0.00	734896				



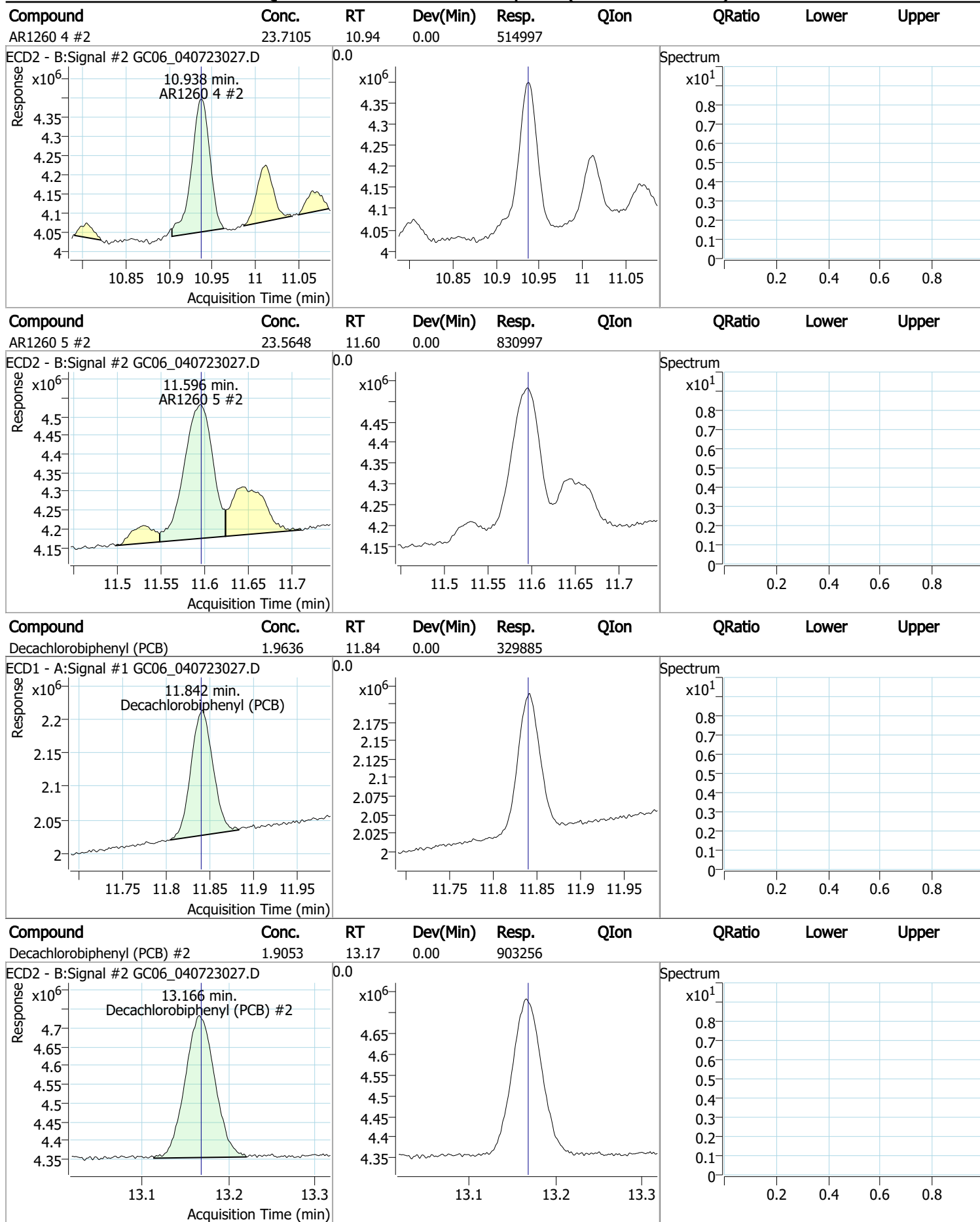
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	25.6727	10.33	0.00	413930				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	22.9588	10.52	0.00	849995				

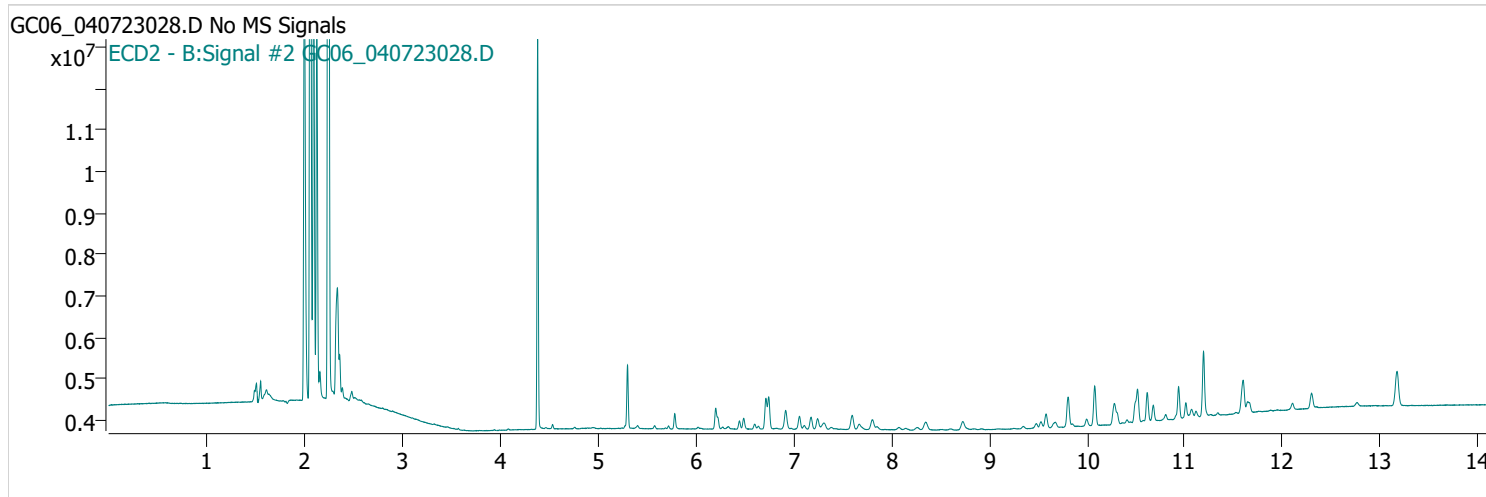
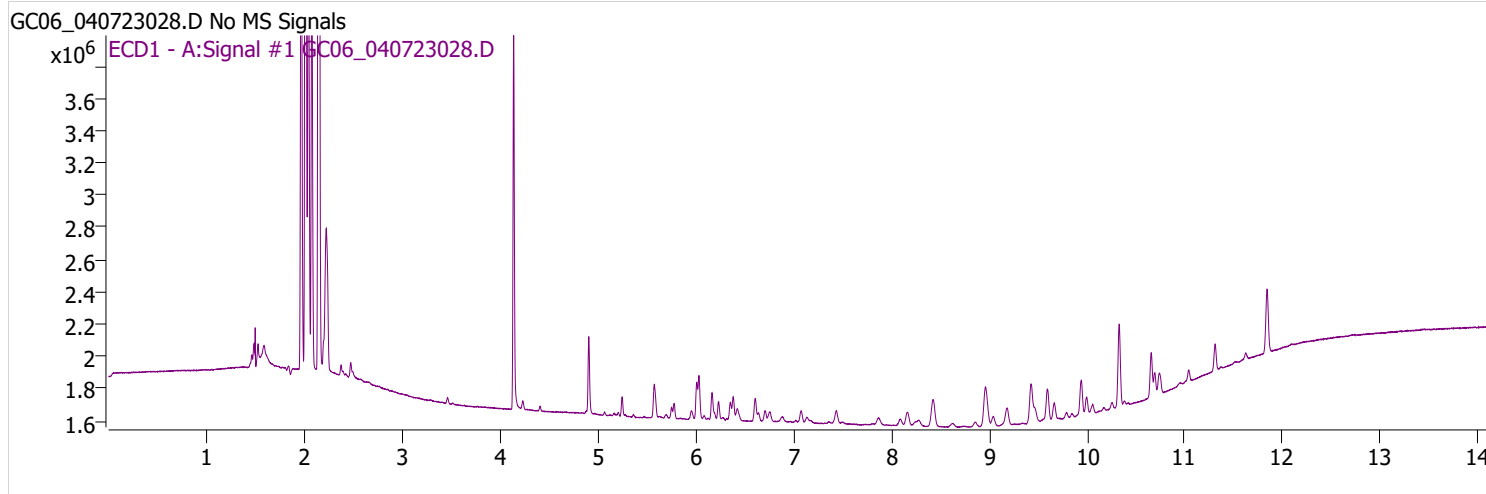


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723028.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/7/2023 11:07:03 PM
Sample Name	ICAL, S18181	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



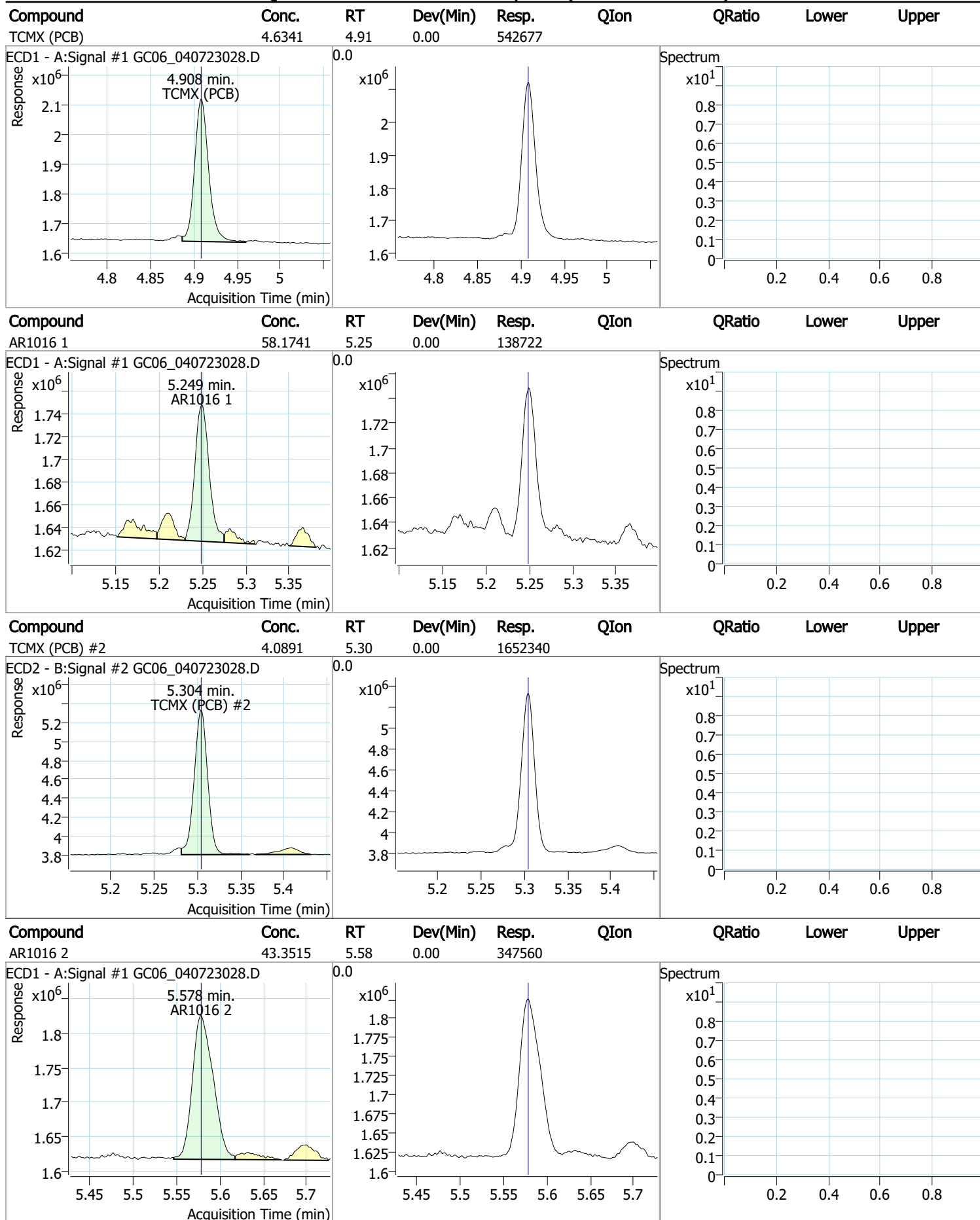
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.141	0.0	2292782.760	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	8160407.570	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.908	0.0	542676.602	4.6341	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.17%		*
S TCMX (PCB) #2	5.304	0.0	1652340.217	4.0891	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.45%		*
S Decachlorobiphenyl (PCB)	11.841	0.0	728760.613	4.5105	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.55%		*
S Decachlorobiphenyl (PCB) #2	13.170	0.0	1957661.854	4.3106	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.55%		*
Target Compounds						QValue
T AR1016 1	5.249	0.0	138722.103	58.1741	ng/ml	100

Quantitation Results Report (Not Reviewed)

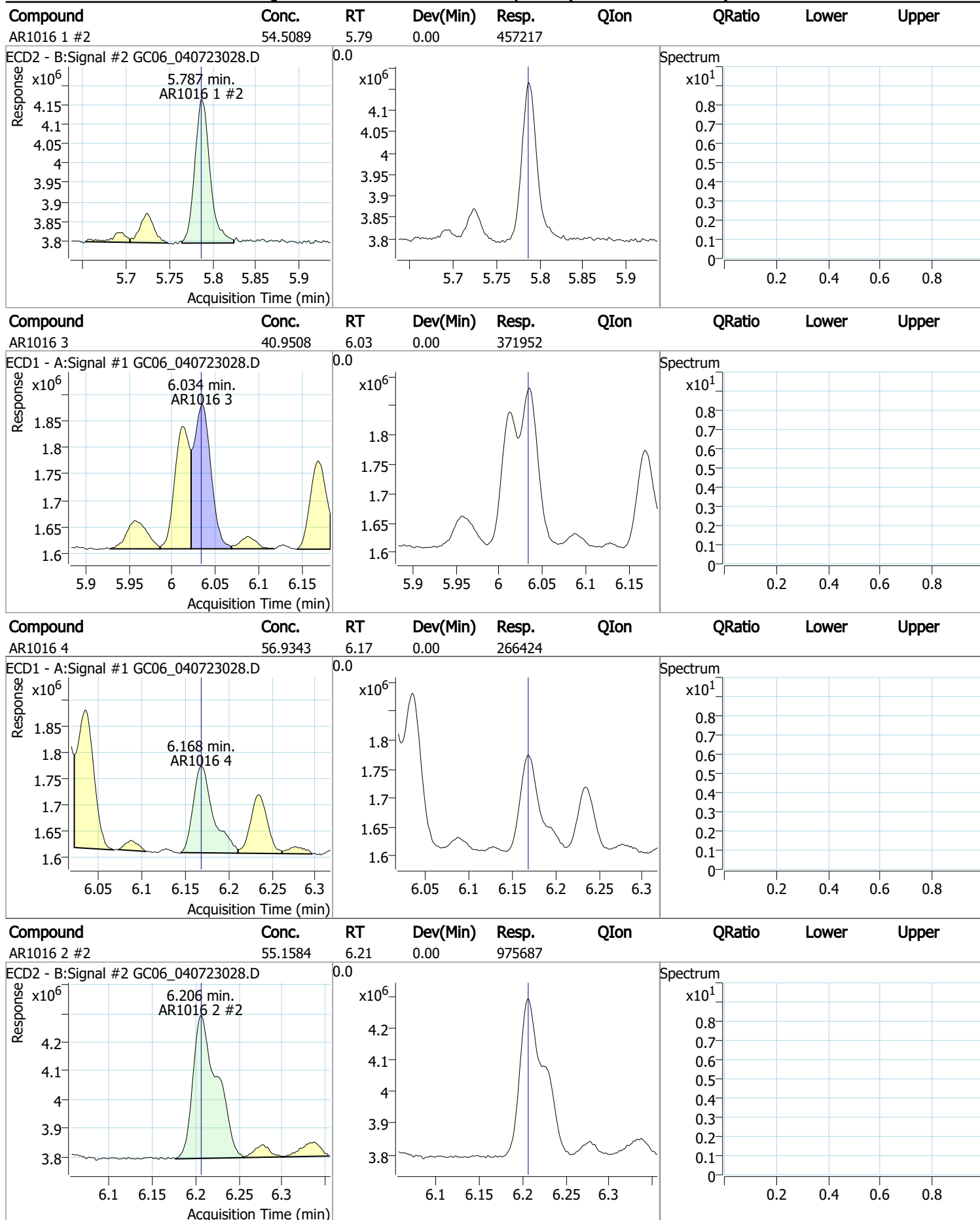
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.578	0.0	347560.393	43.3515	ng/ml	100
T AR1016 1 #2	5.787	0.0	457217.281	54.5089	ng/ml	100
T AR1016 3	6.034	0.0	371951.959	40.9508	ng/ml	100
T AR1016 4	6.168	0.0	266423.870	56.9343	ng/ml	100
T AR1016 2 #2	6.206	0.0	975686.910	55.1584	ng/ml	100
T AR1016 5	6.355	0.0	154050.526	56.1301	ng/ml	100
T AR1016 3 #2	6.748	0.0	1200599.259	53.4931	ng/ml	100
T AR1016 4 #2	6.921	0.0	851666.435	52.7468	ng/ml	100
T AR1016 5 #2	7.600	0.0	695580.759	52.3153	ng/ml	100
T AR1260 1	8.427	0.0	441936.887	57.8496	ng/ml	100
T AR1260 2	8.963	0.0	664650.710	57.5651	ng/ml	100
T AR1260 3	9.428	0.0	608670.231	52.4519	ng/ml	100
T AR1260 1 #2	9.808	0.0	1313429.445	56.4143	ng/ml m	100
T AR1260 4	9.943	0.0	407134.127	56.6875	ng/ml	100
T AR1260 2 #2	10.079	0.0	1597956.469	55.4784	ng/ml	100
T AR1260 5	10.329	0.0	872693.854	56.2808	ng/ml	100
T AR1260 3 #2	10.516	0.0	1889431.555	53.2747	ng/ml	100
T AR1260 4 #2	10.937	0.0	1149826.195	55.2617	ng/ml	100
T AR1260 5 #2	11.598	0.0	1730614.682	51.2297	ng/ml	100

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

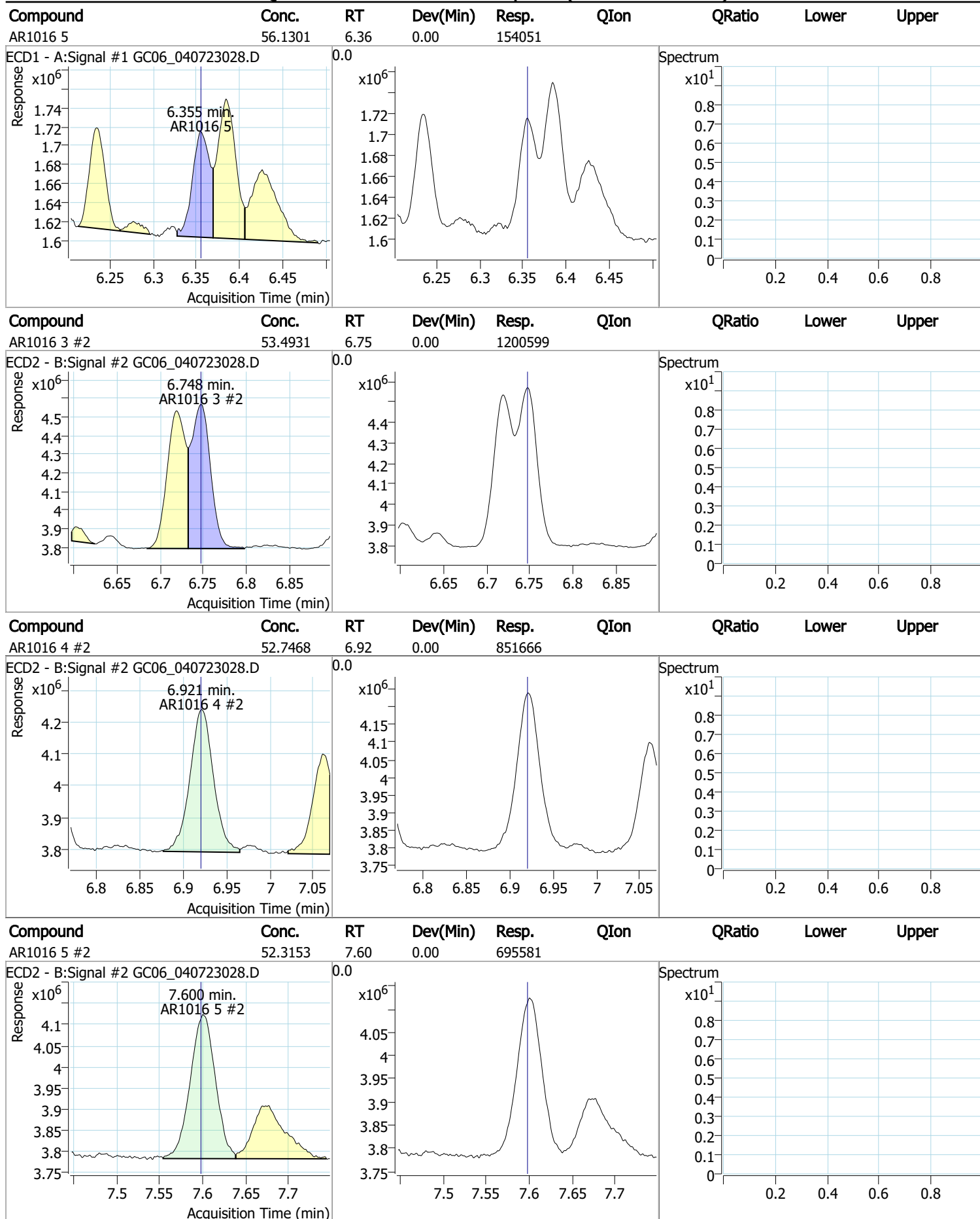
Quantitation Results Report (Not Reviewed)



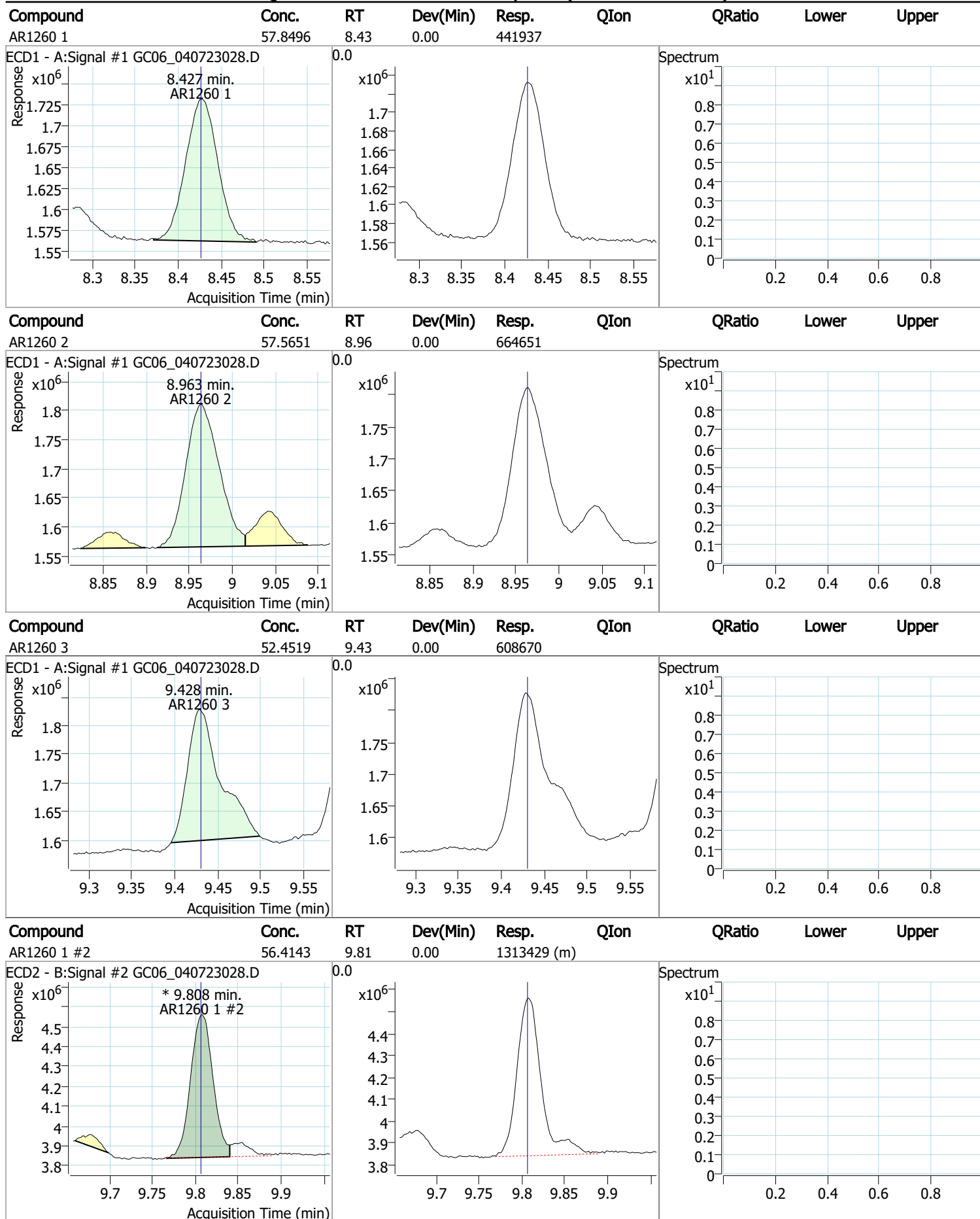
Quantitation Results Report (Not Reviewed)



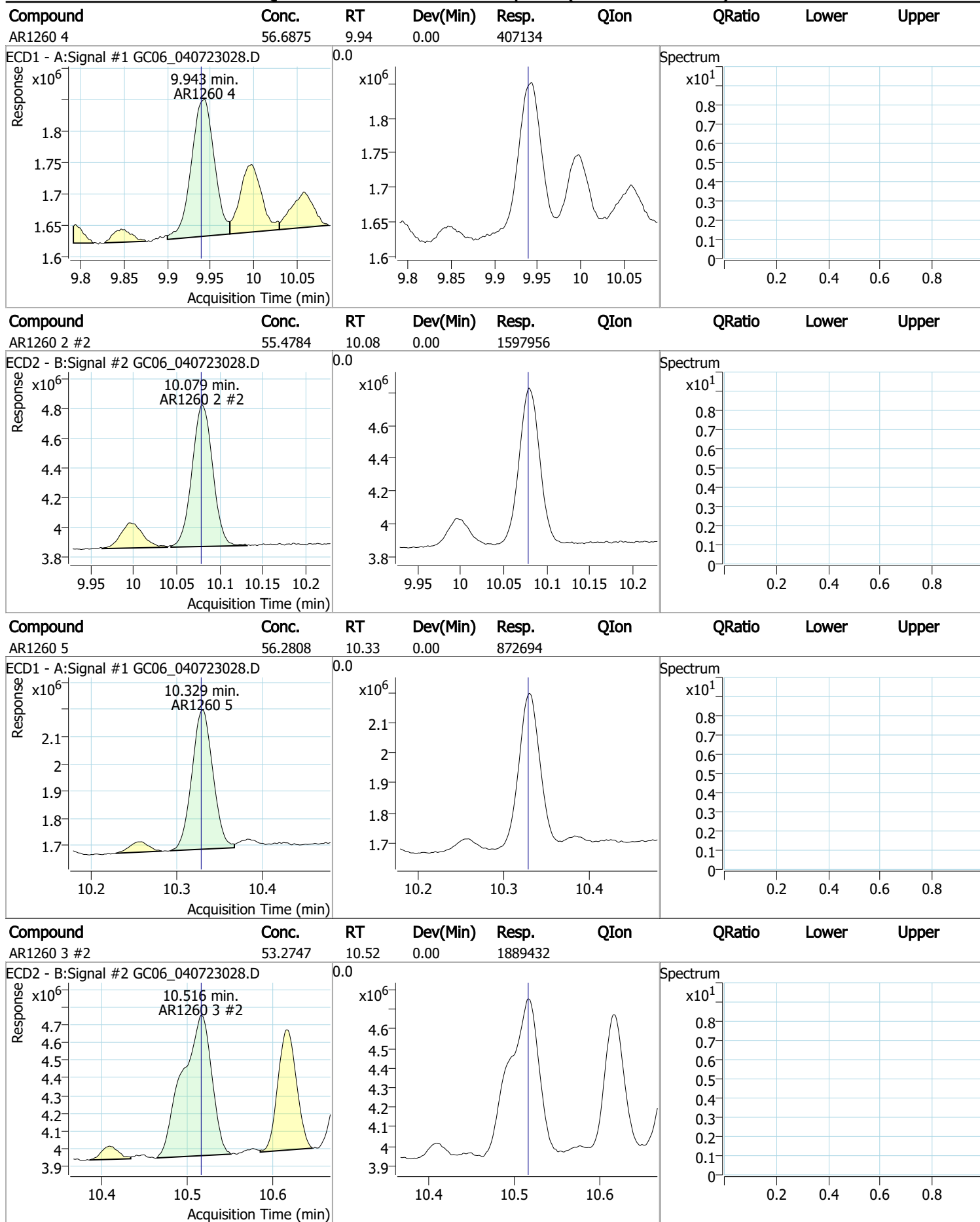
Quantitation Results Report (Not Reviewed)



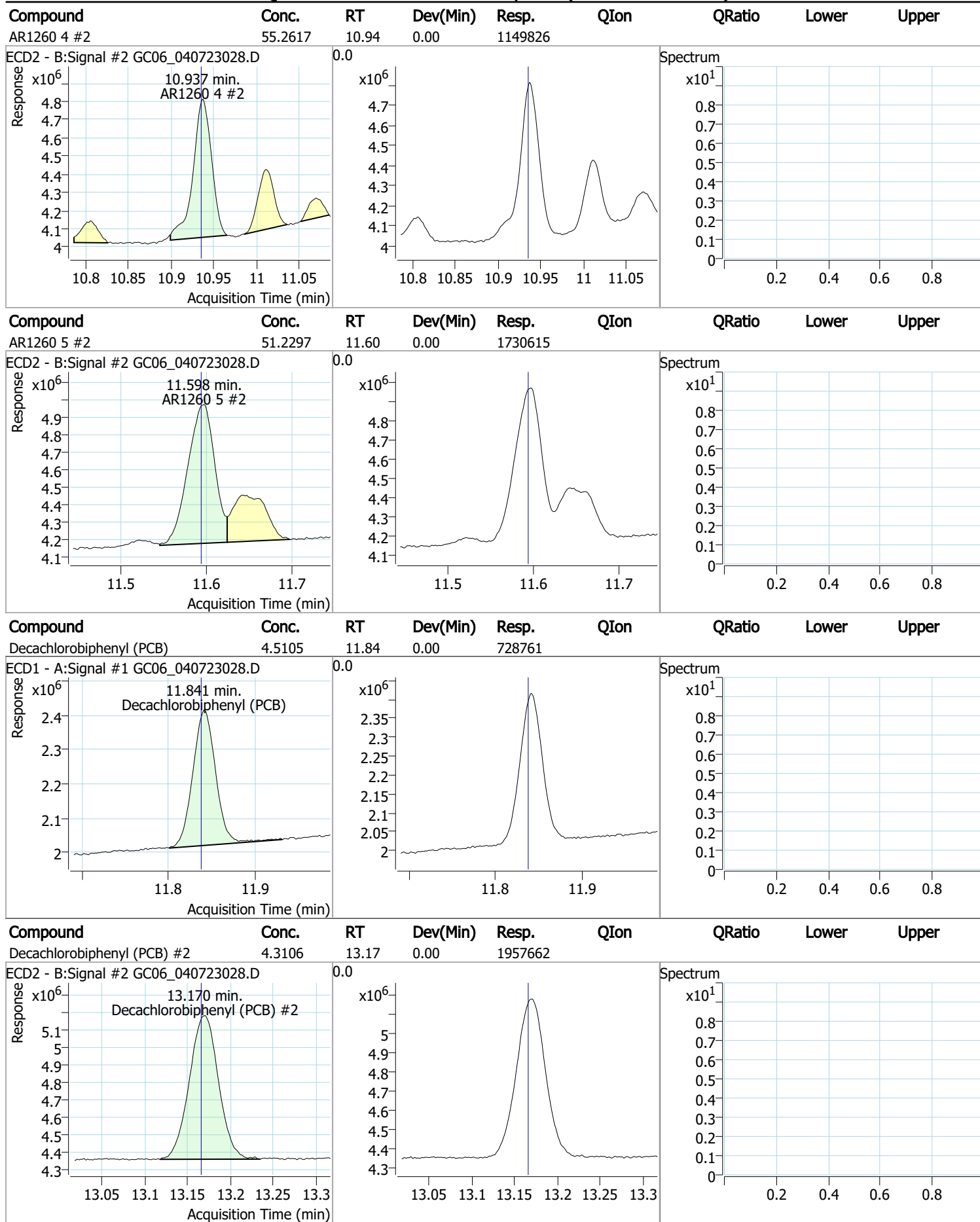
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

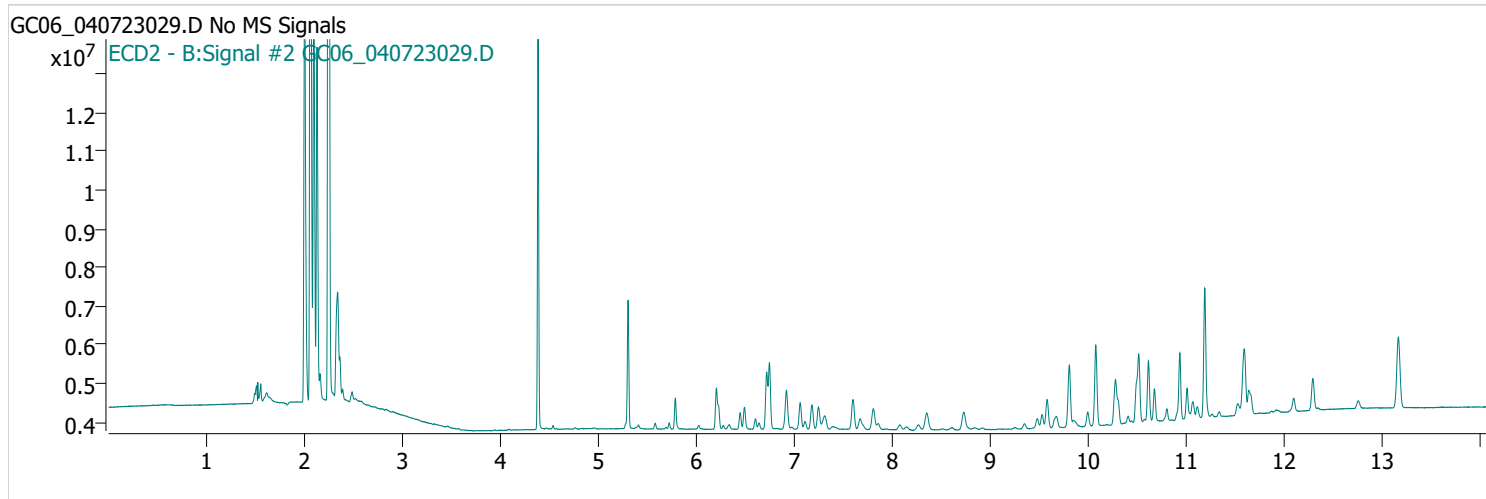
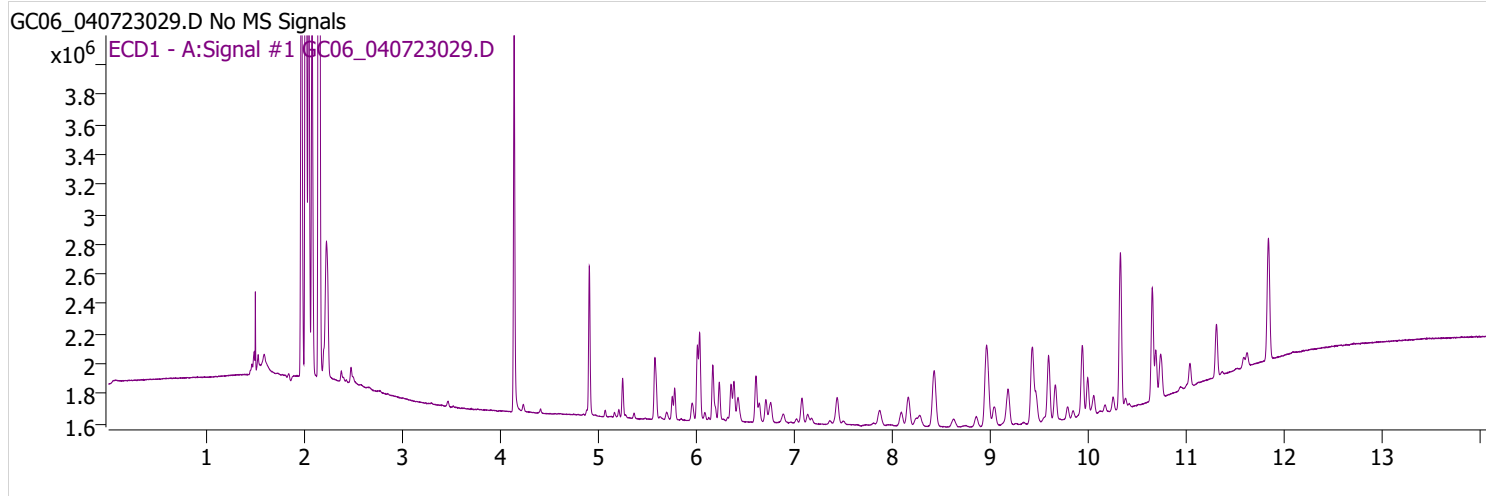


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723029.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/7/2023 11:25:13 PM
Sample Name	ICAL, S18182	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.141	0.0	2510939.54 7	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.385	0.0	8937035.40 1	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB)	4.908	0.0	1082896.70 5	8.4438	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.22%	*	
S TCMX (PCB) #2	5.304	0.0	3599724.61 6	8.1342	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.67%	*	
S Decachlorobiphenyl (PCB)	11.842	0.0	1516042.94 5	8.5681	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.84%	*	
S Decachlorobiphenyl (PCB) #2	13.168	0.0	4298773.01 5	8.6429	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.21%	*	

Target Compounds

GC06_040723029.D

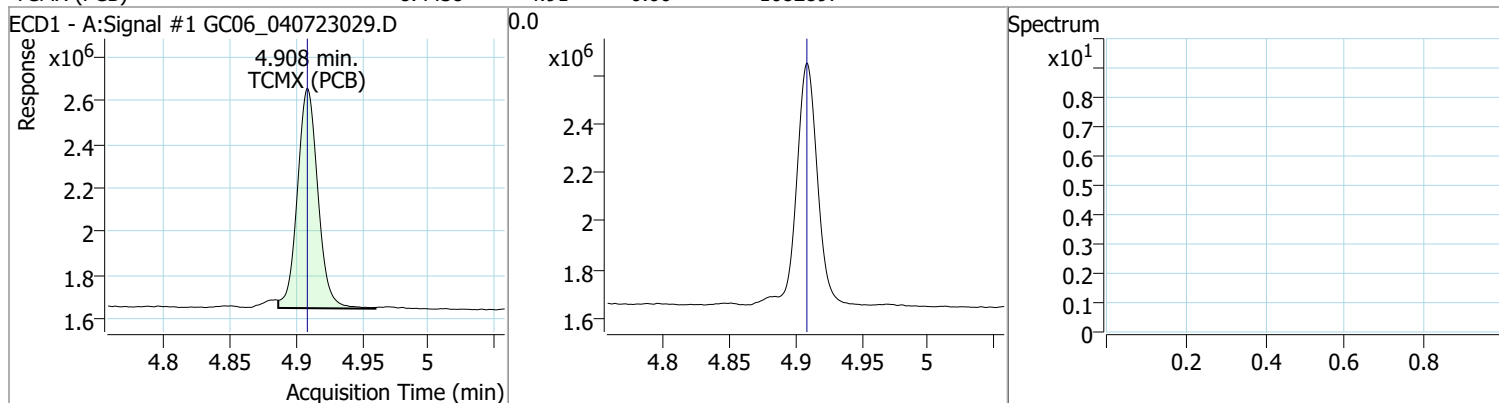
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	302067.565	115.6685	ng/ml	100
T AR1016 2	5.578	0.0	692099.592	105.8039	ng/ml	100
T AR1016 1 #2	5.787	0.0	1004062.31 1	109.3009	ng/ml	100
T AR1016 3	6.035	0.0	783552.611	102.4717	ng/ml	100
T AR1016 4	6.169	0.0	580241.328	113.2234	ng/ml	100
T AR1016 2 #2	6.207	0.0	2122266.29 9	109.5518	ng/ml	100
T AR1016 5	6.355	0.0	349771.518	116.3708	ng/ml	100
T AR1016 3 #2	6.747	0.0	2646116.79 4	107.6532	ng/ml	100
T AR1016 4 #2	6.920	0.0	1878319.98 5	106.2220	ng/ml	100
T AR1016 5 #2	7.602	0.0	1524612.77 7	104.7030	ng/ml	100
T AR1260 1	8.430	0.0	984573.949	117.6833	ng/ml	100
T AR1260 2	8.965	0.0	1500854.19 7	118.6945	ng/ml	100
T AR1260 3	9.432	0.0	1523772.59 4	119.9018	ng/ml	100
T AR1260 1 #2	9.809	0.0	2898276.99 6	113.6687	ng/ml	100
T AR1260 4	9.942	0.0	880472.993	111.9419	ng/ml	100
T AR1260 2 #2	10.079	0.0	3501373.30 4	110.9982	ng/ml	100
T AR1260 5	10.331	0.0	1839895.04 3	108.3473	ng/ml	100
T AR1260 3 #2	10.517	0.0	4181011.64 3	107.6439	ng/ml	100
T AR1260 4 #2	10.938	0.0	2519370.53 8	110.5612	ng/ml	100
T AR1260 5 #2	11.594	0.0	4000789.49 7	108.1398	ng/ml	100

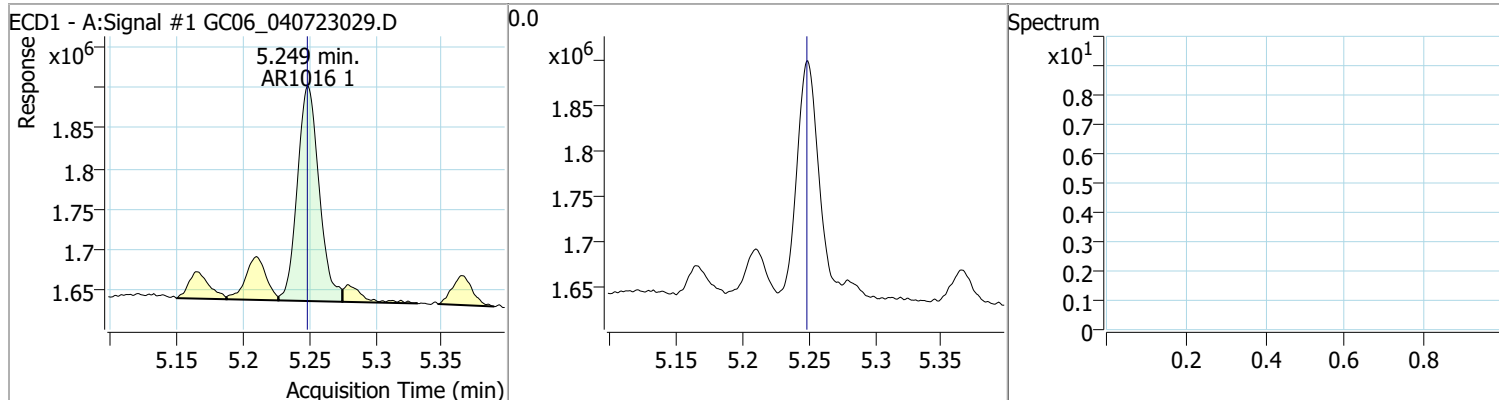
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

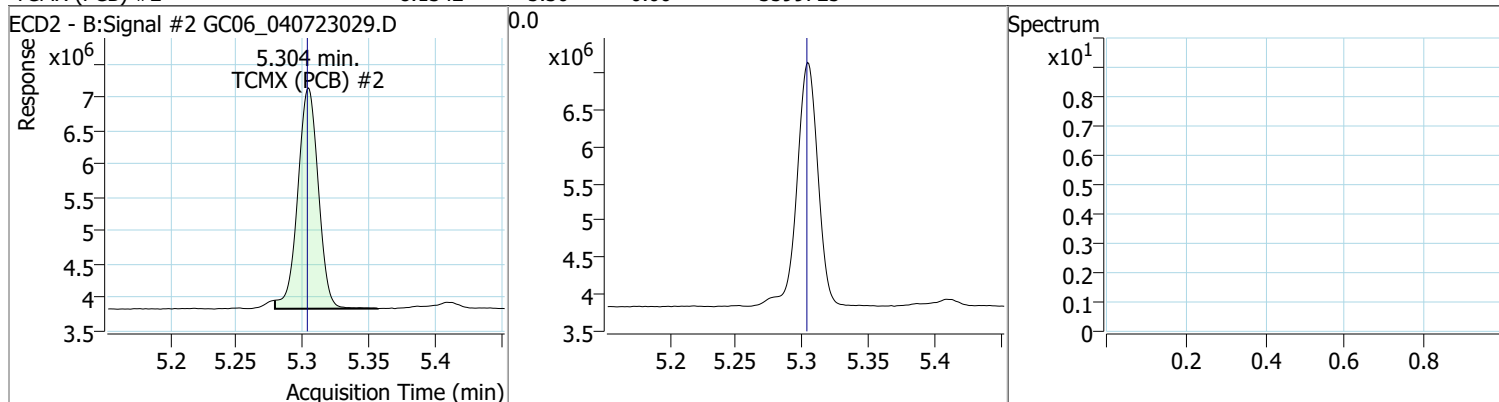
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.4438	4.91	0.00	1082897				



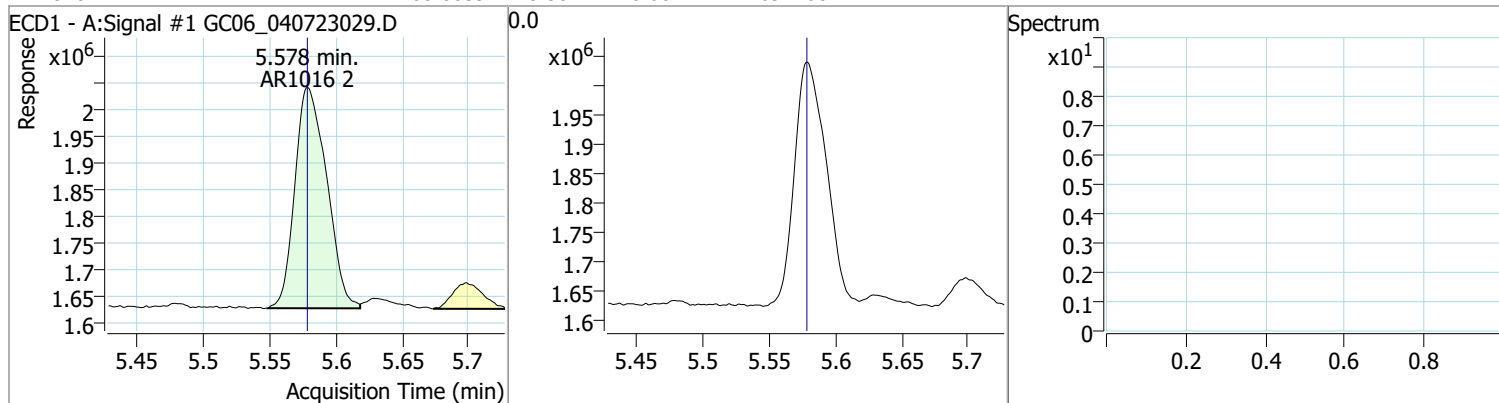
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	115.6685	5.25	0.00	302068				



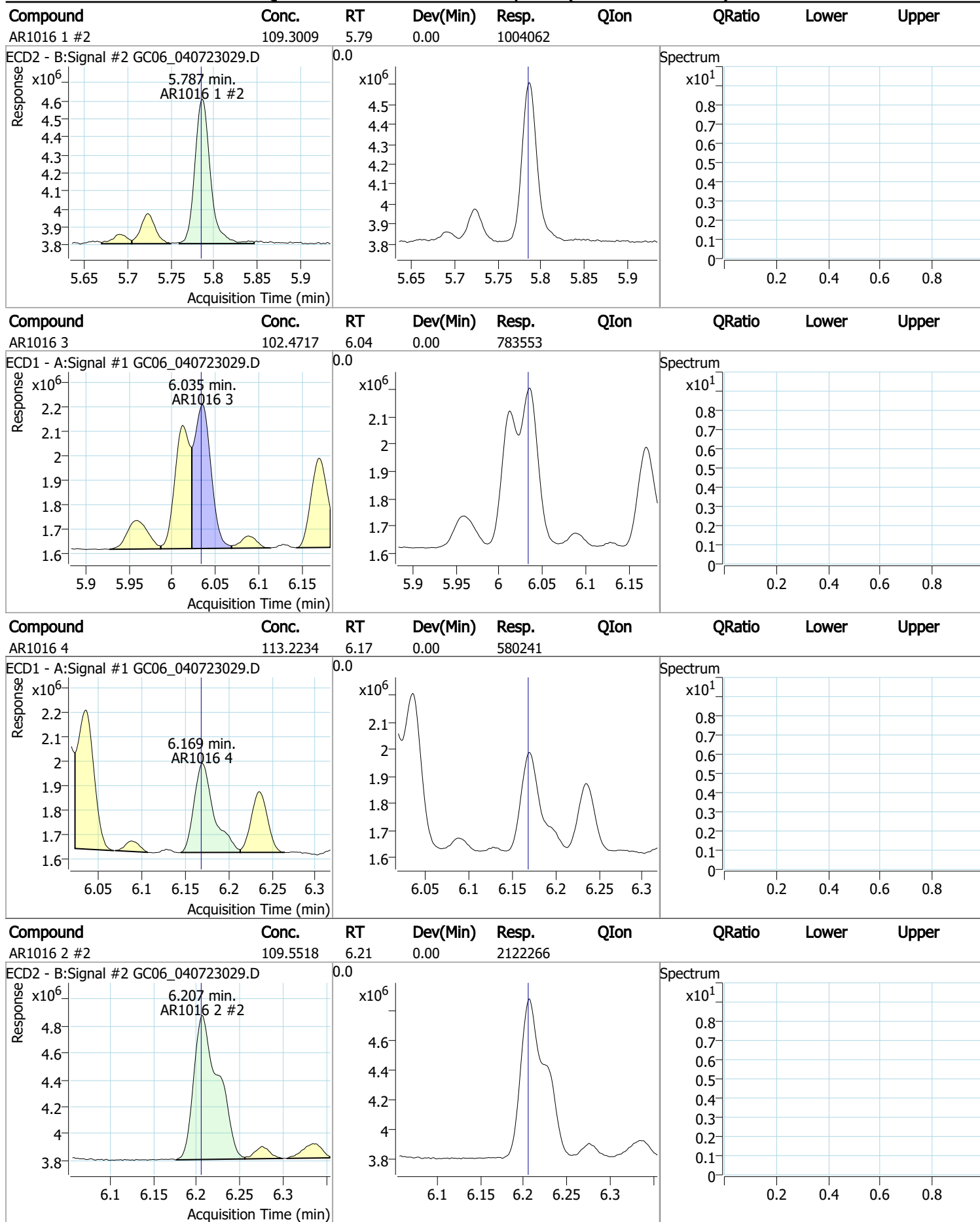
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.1342	5.30	0.00	3599725				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	105.8039	5.58	0.00	692100				

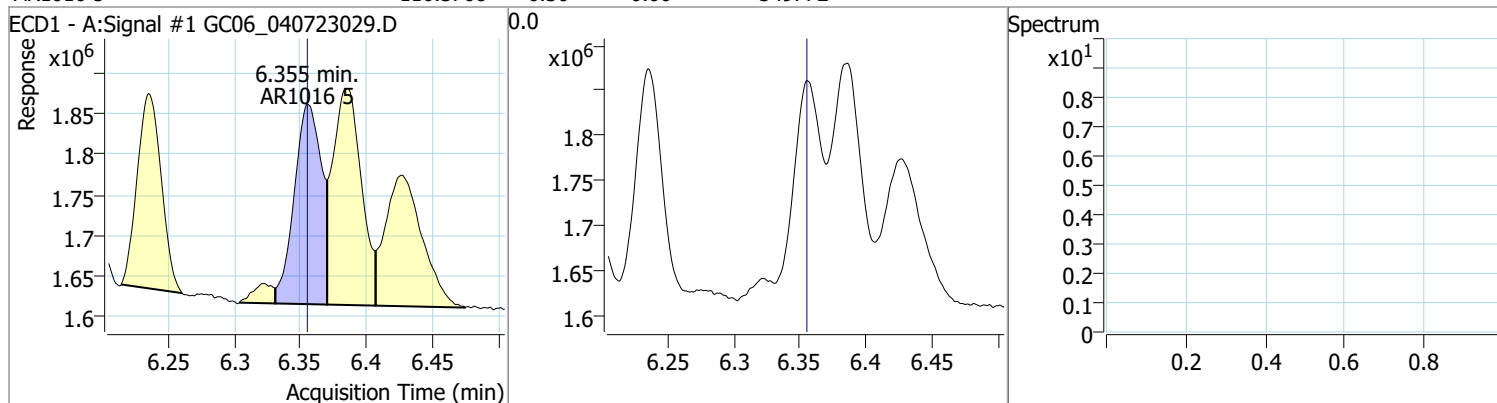


Quantitation Results Report (Not Reviewed)

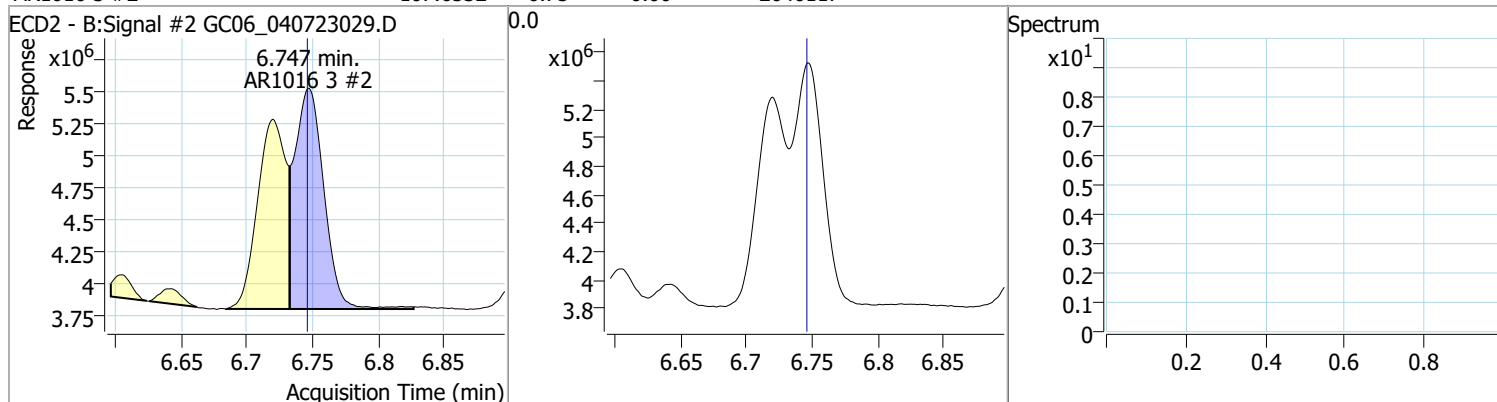


Quantitation Results Report (Not Reviewed)

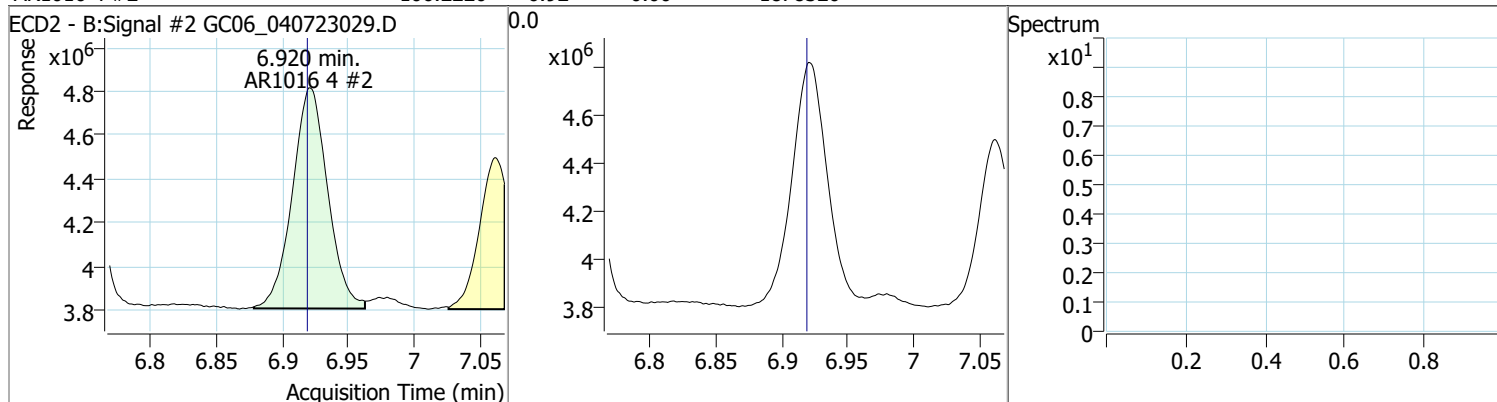
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	116.3708	6.36	0.00	349772				



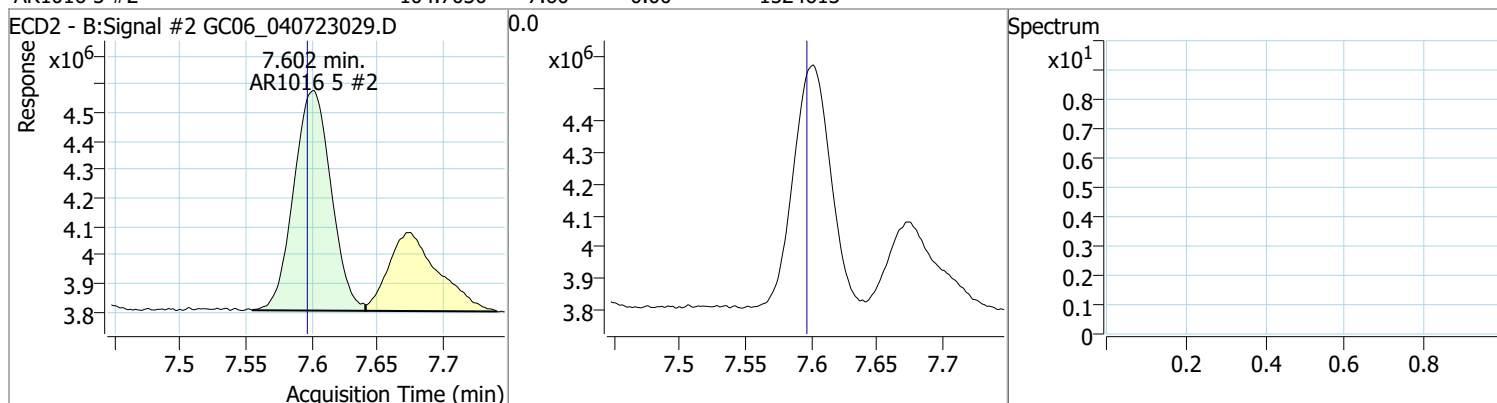
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	107.6532	6.75	0.00	2646117				



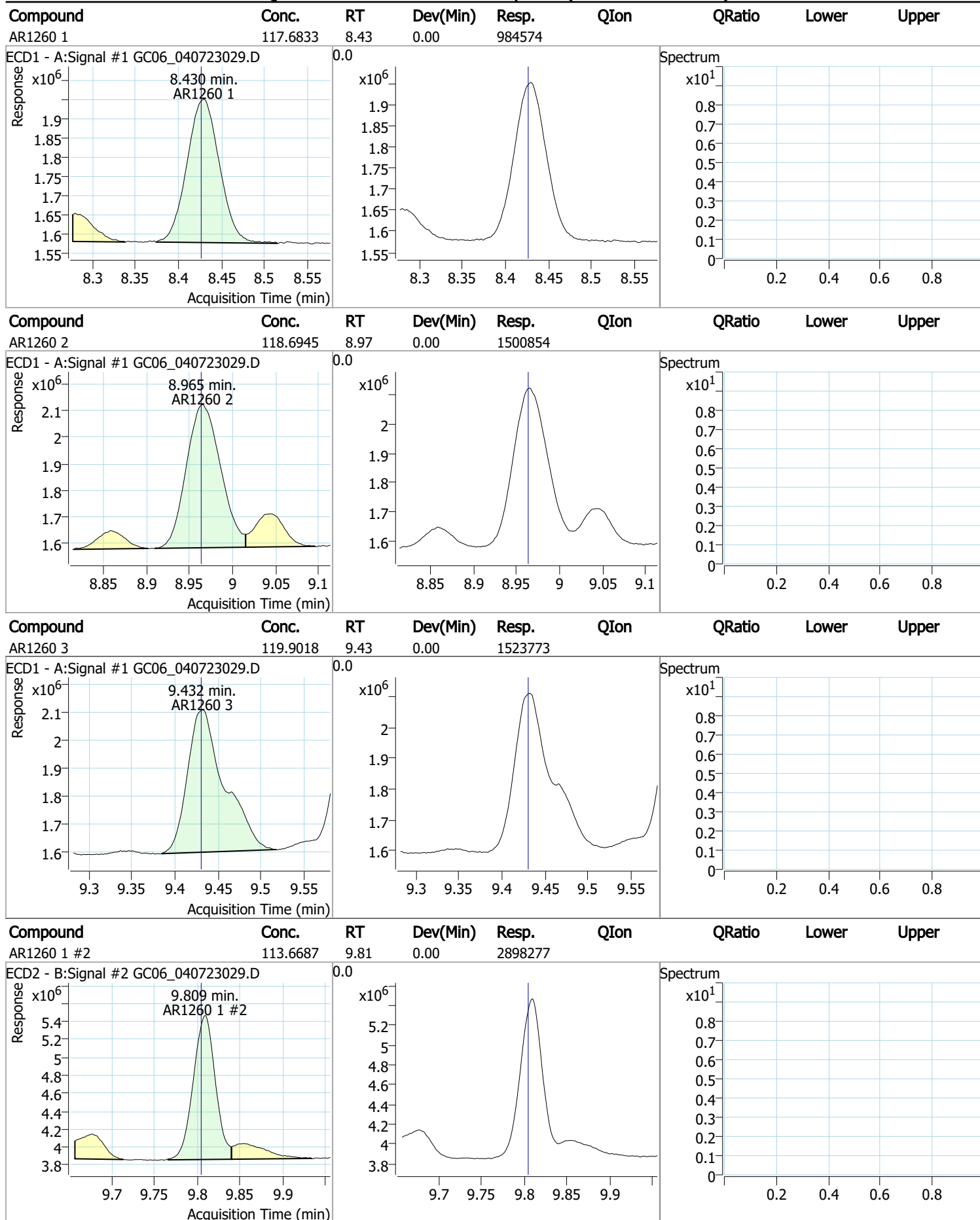
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	106.2220	6.92	0.00	1878320				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	104.7030	7.60	0.00	1524613				



Quantitation Results Report (Not Reviewed)

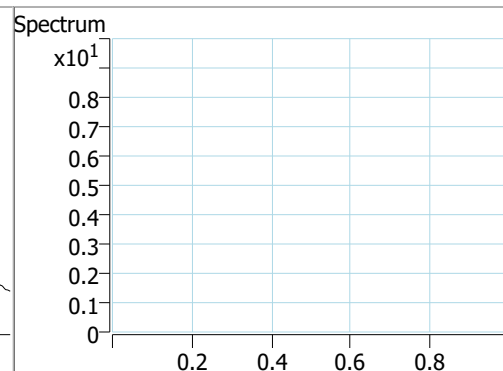
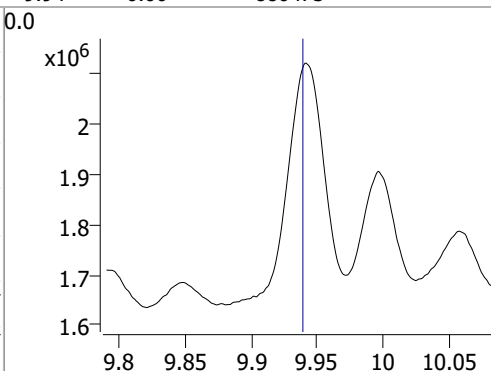
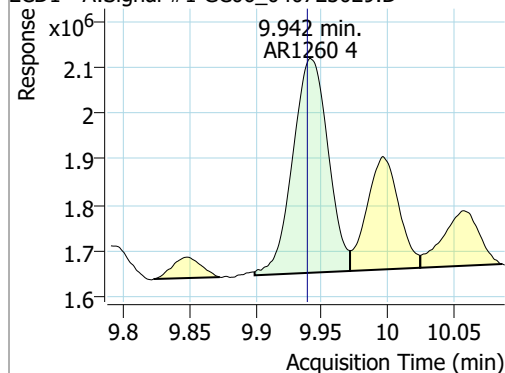


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 4 111.9419 9.94 0.00 880473

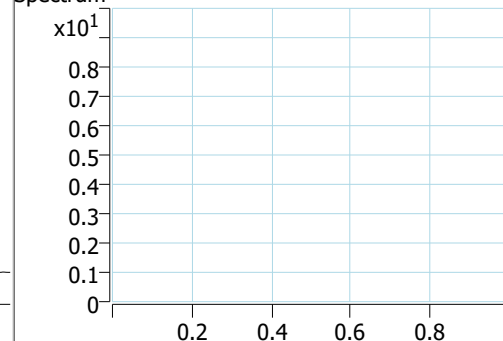
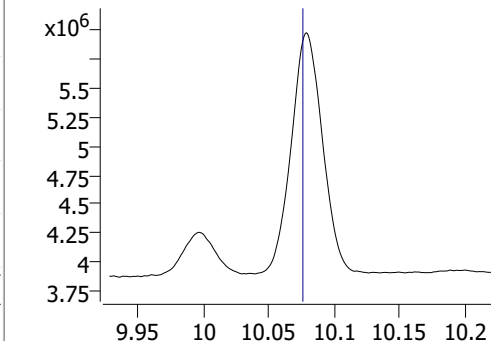
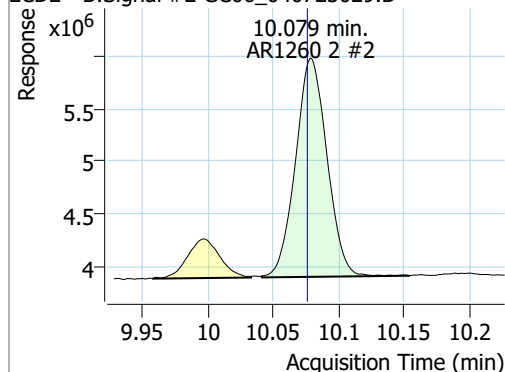
ECD1 - A:Signal #1 GC06_040723029.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 #2 110.9982 10.08 0.00 3501373

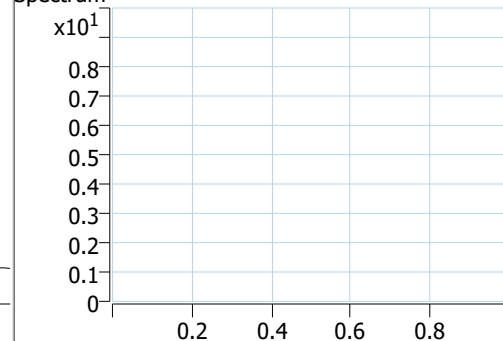
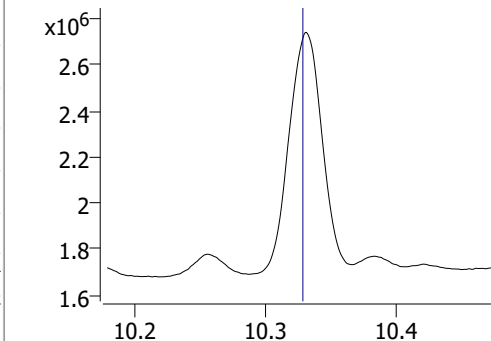
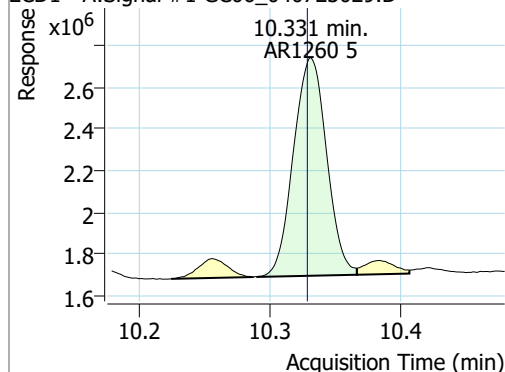
ECD2 - B:Signal #2 GC06_040723029.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 5 108.3473 10.33 0.00 1839895

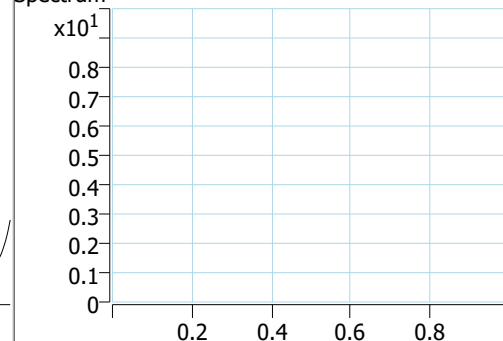
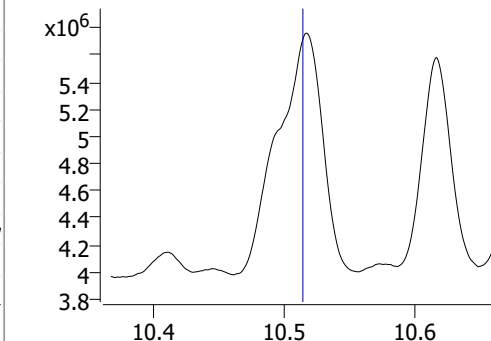
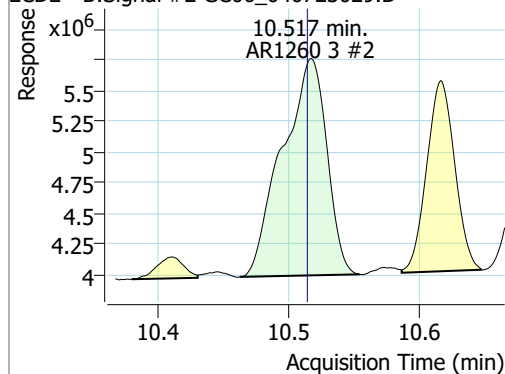
ECD1 - A:Signal #1 GC06_040723029.D



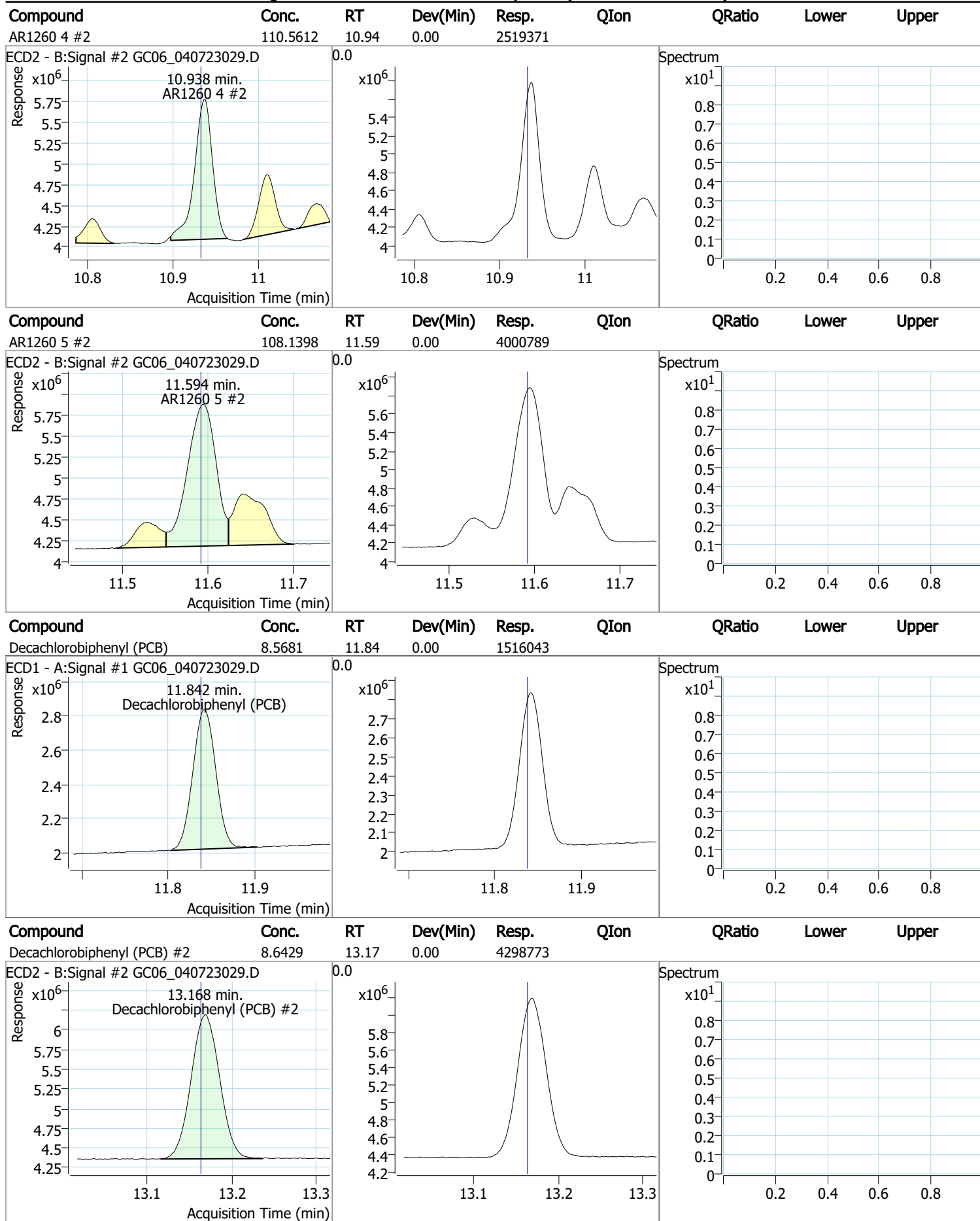
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 3 #2 107.6439 10.52 0.00 4181012

ECD2 - B:Signal #2 GC06_040723029.D



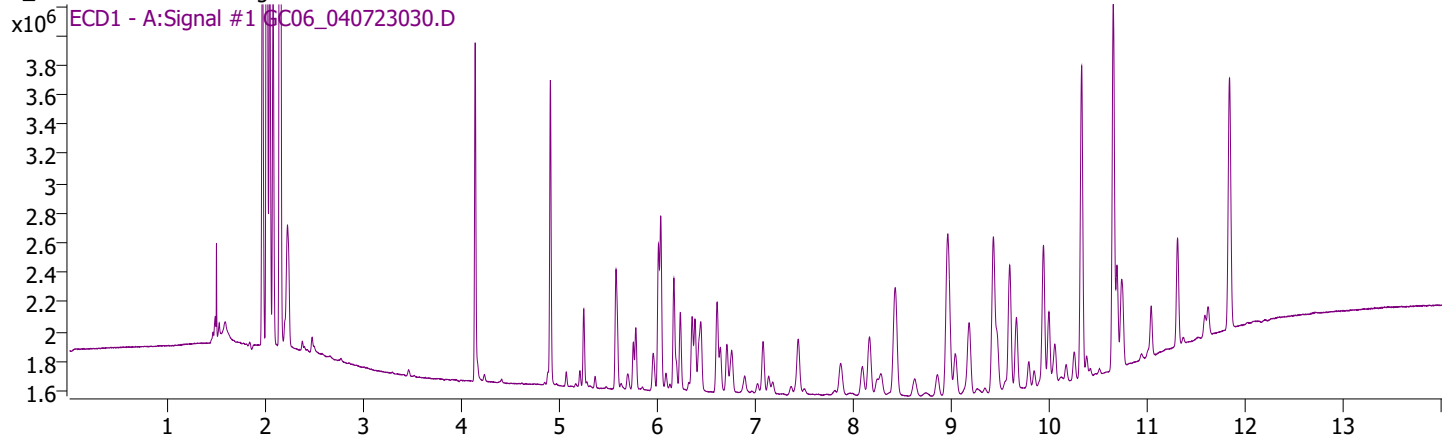
Quantitation Results Report (Not Reviewed)



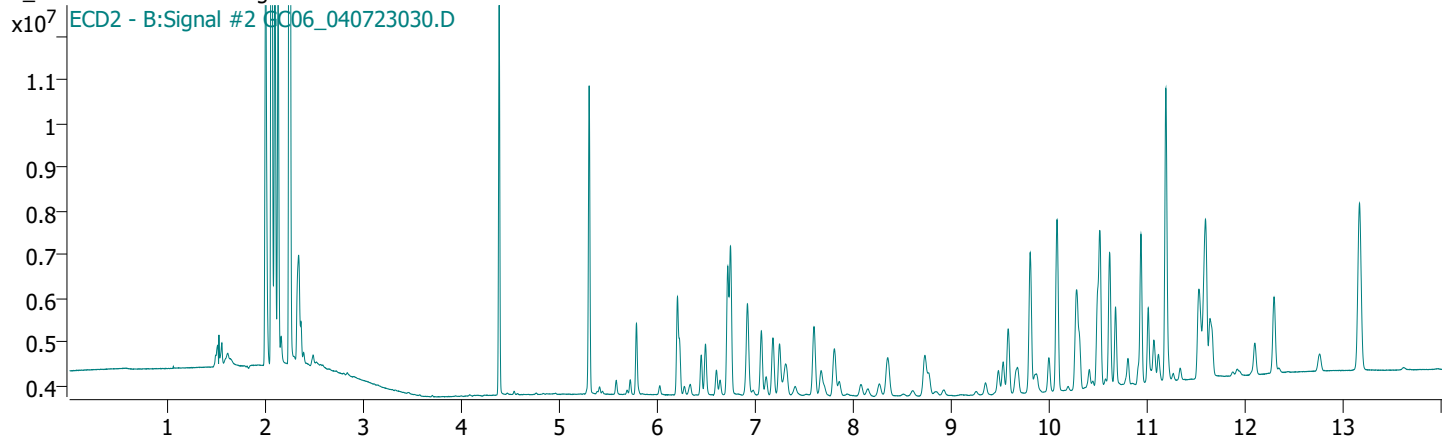
Quantitation Results Report (Not Reviewed)

Data File	GC06_040723030.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/7/2023 11:43:26 PM
Sample Name	ICAL, S18183	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			

GC06_040723030.D No MS Signals



GC06_040723030.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.141	0.0	2322876.53 3	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	8039022.45 2	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.908	0.0	2199260.46 3	18.5370	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.69%		
S TCMX (PCB) #2	5.304	0.0	7621302.12 2	19.1453	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.73%		
S Decachlorobiphenyl (PCB)	11.841	0.0	3200732.67 5	19.5538	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.77%		
S Decachlorobiphenyl (PCB) #2	13.168	0.0	9075723.25 5	20.2856	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 101.43%		

Target Compounds

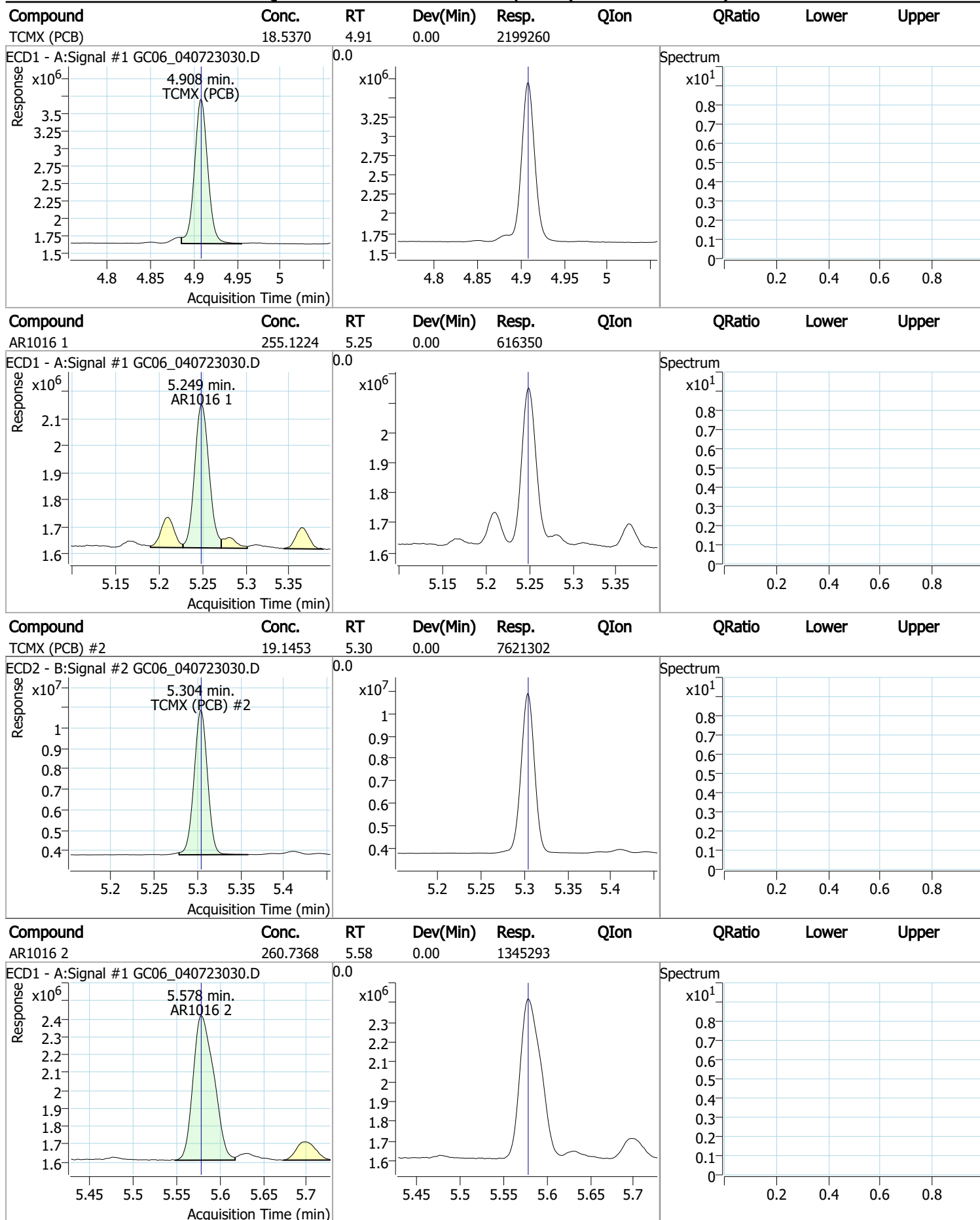
QValue

Quantitation Results Report (Not Reviewed)

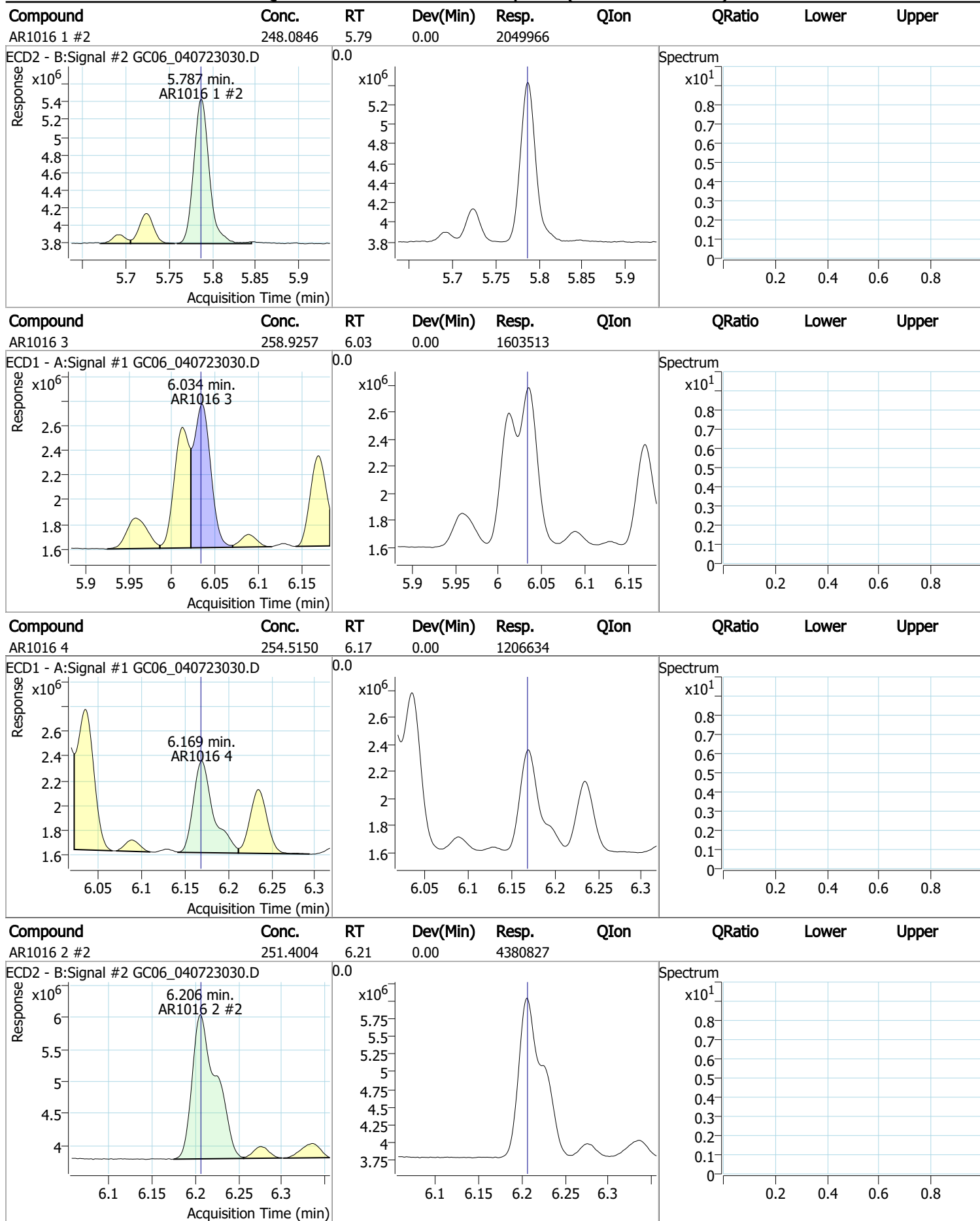
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	616350.062	255.1224	ng/ml	100
T AR1016 2	5.578	0.0	1345292.948	260.7368	ng/ml	100
T AR1016 1 #2	5.787	0.0	2049966.247	248.0846	ng/ml	100
T AR1016 3	6.034	0.0	1603513.187	258.9257	ng/ml	100
T AR1016 4	6.169	0.0	1206633.919	254.5150	ng/ml	100
T AR1016 2 #2	6.206	0.0	4380827.380	251.4004	ng/ml	100
T AR1016 5	6.355	0.0	727395.919	261.6017	ng/ml	100
T AR1016 3 #2	6.747	0.0	5405418.109	244.4768	ng/ml	100
T AR1016 4 #2	6.919	0.0	3897405.170	245.0253	ng/ml	100
T AR1016 5 #2	7.599	0.0	3152775.385	240.7037	ng/ml	100
T AR1260 1	8.428	0.0	1973790.623	255.0220	ng/ml	100
T AR1260 2	8.965	0.0	3078491.653	263.1723	ng/ml	100
T AR1260 3	9.430	0.0	3027293.171	257.4958	ng/ml	100
T AR1260 1 #2	9.806	0.0	5898989.417	257.1989	ng/ml	100
T AR1260 4	9.941	0.0	1793251.085	246.4495	ng/ml	100
T AR1260 2 #2	10.080	0.0	6992811.392	246.4448	ng/ml	100
T AR1260 5	10.332	0.0	3689673.874	234.8676	ng/ml	100
T AR1260 3 #2	10.516	0.0	8594503.884	245.9910	ng/ml	100
T AR1260 4 #2	10.937	0.0	5004270.942	244.1416	ng/ml	100
T AR1260 5 #2	11.595	0.0	8920226.349	268.0440	ng/ml	100

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

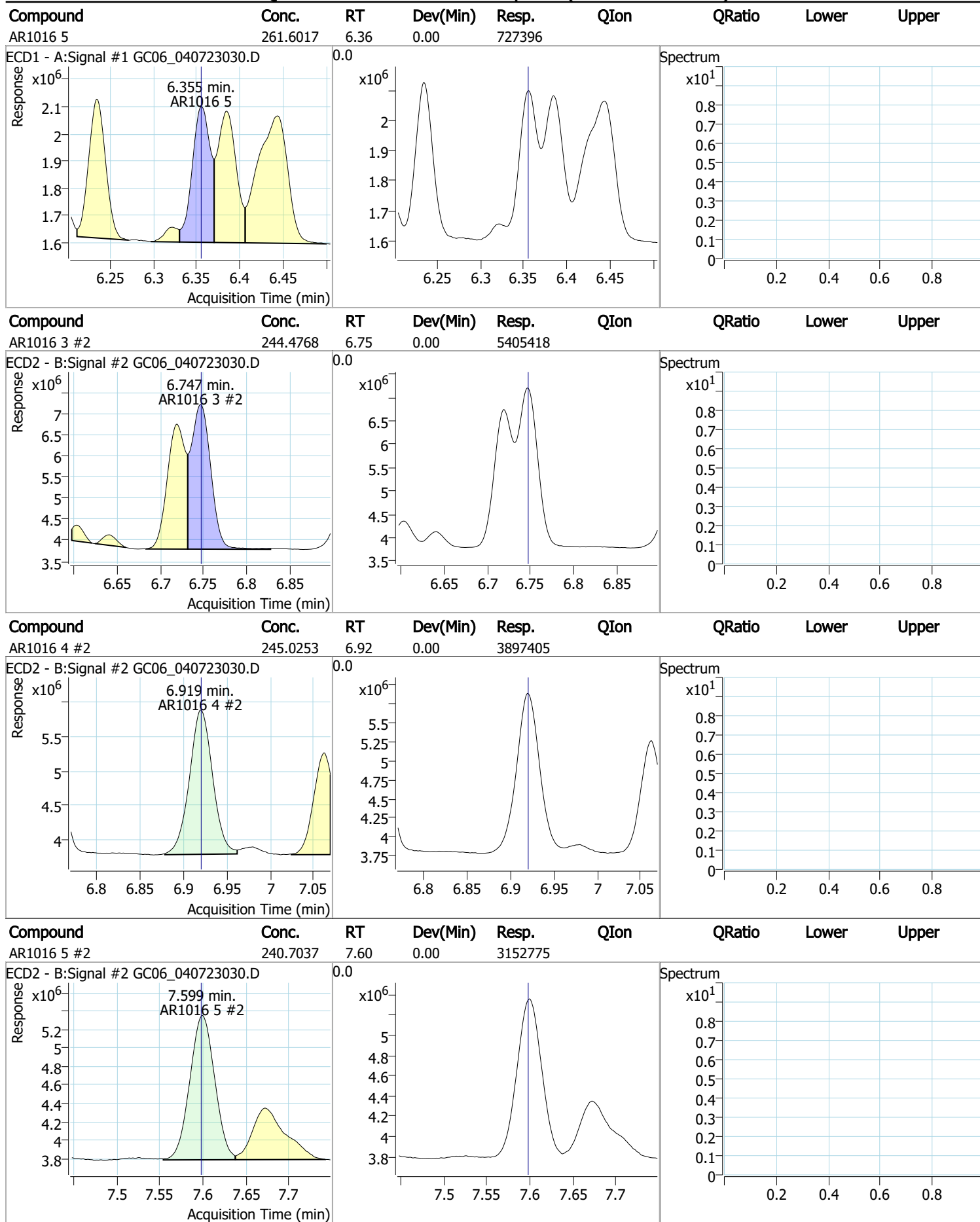
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

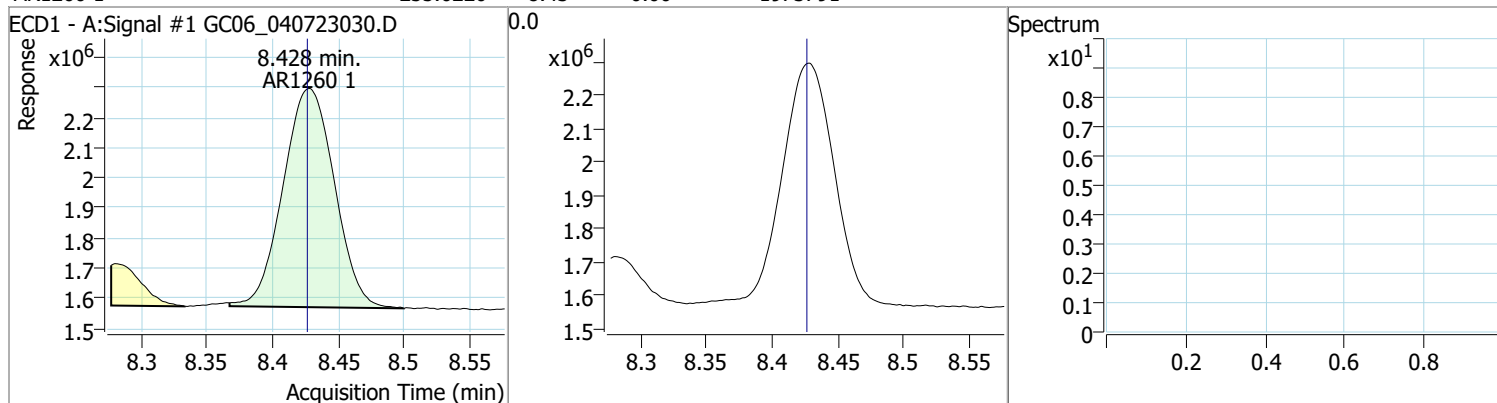


Quantitation Results Report (Not Reviewed)

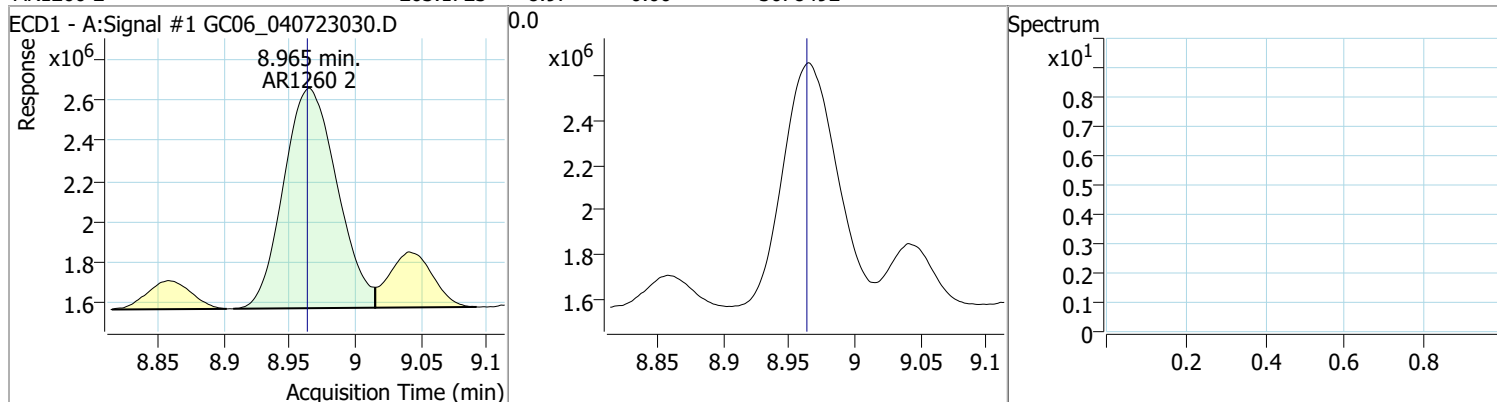


Quantitation Results Report (Not Reviewed)

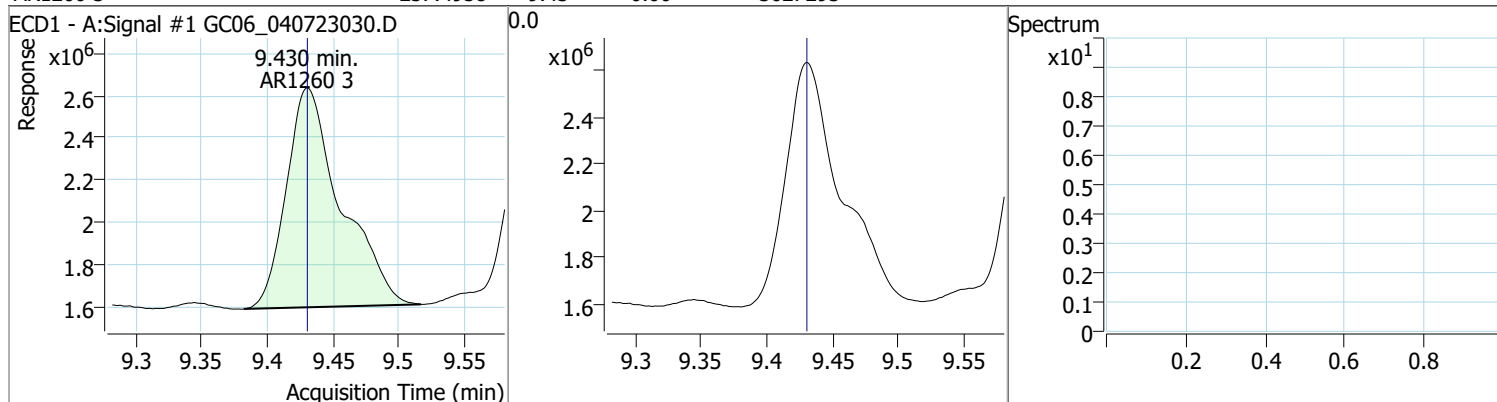
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	255.0220	8.43	0.00	1973791				



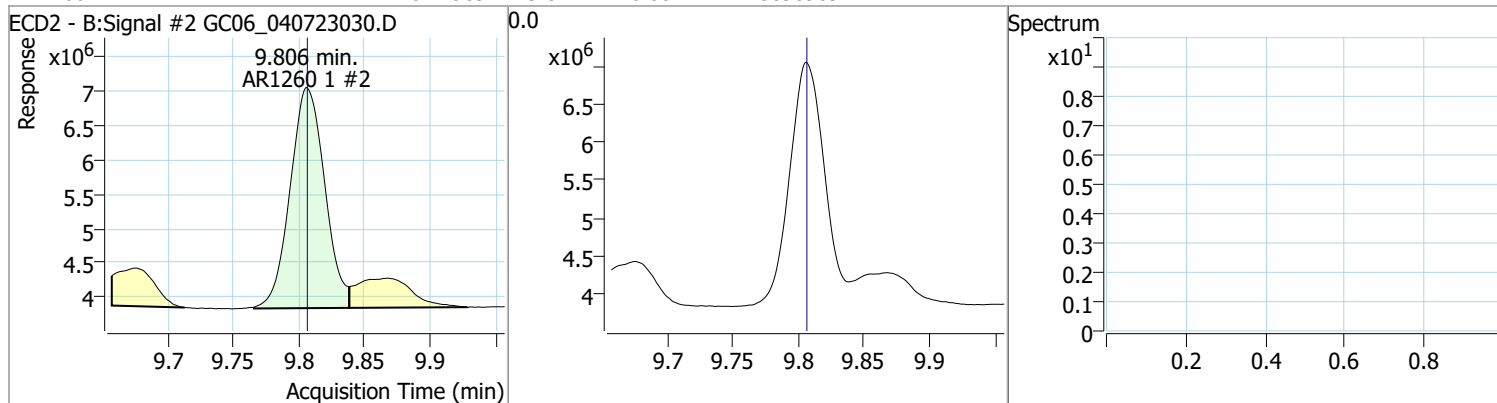
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	263.1723	8.97	0.00	3078492				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	257.4958	9.43	0.00	3027293				

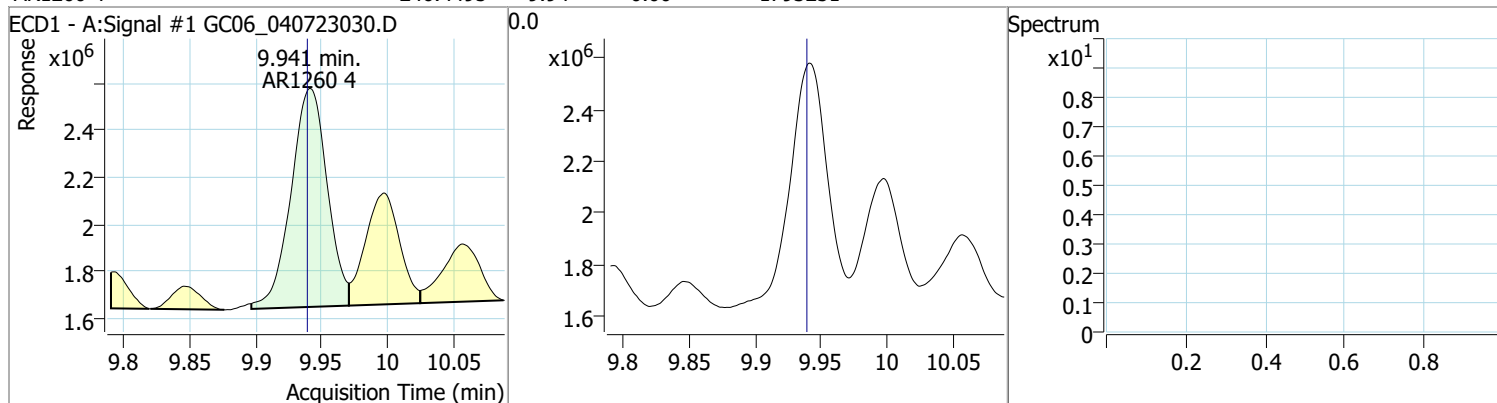


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	257.1989	9.81	0.00	5898989				

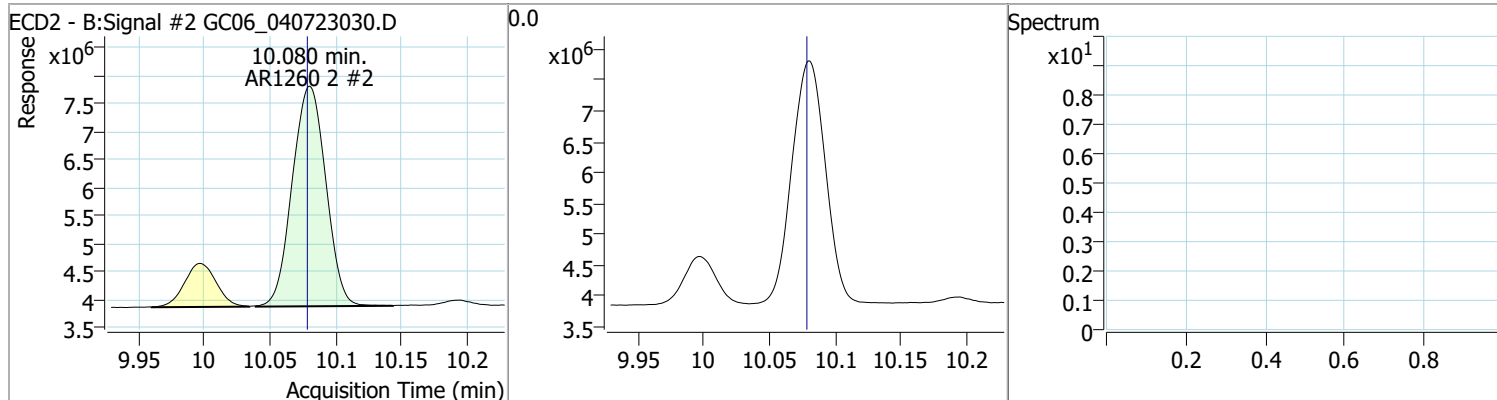


Quantitation Results Report (Not Reviewed)

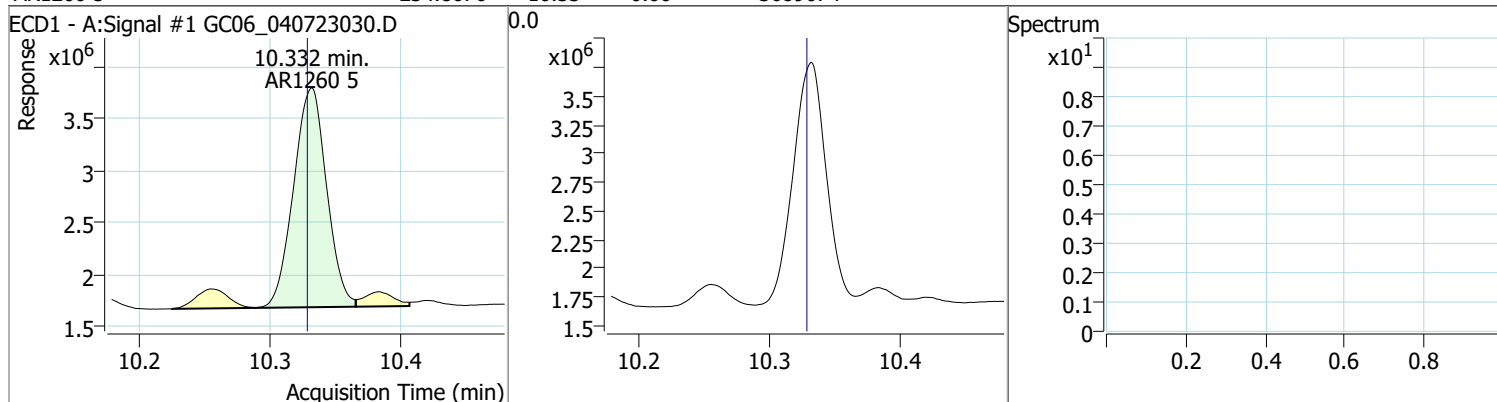
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	246.4495	9.94	0.00	1793251				



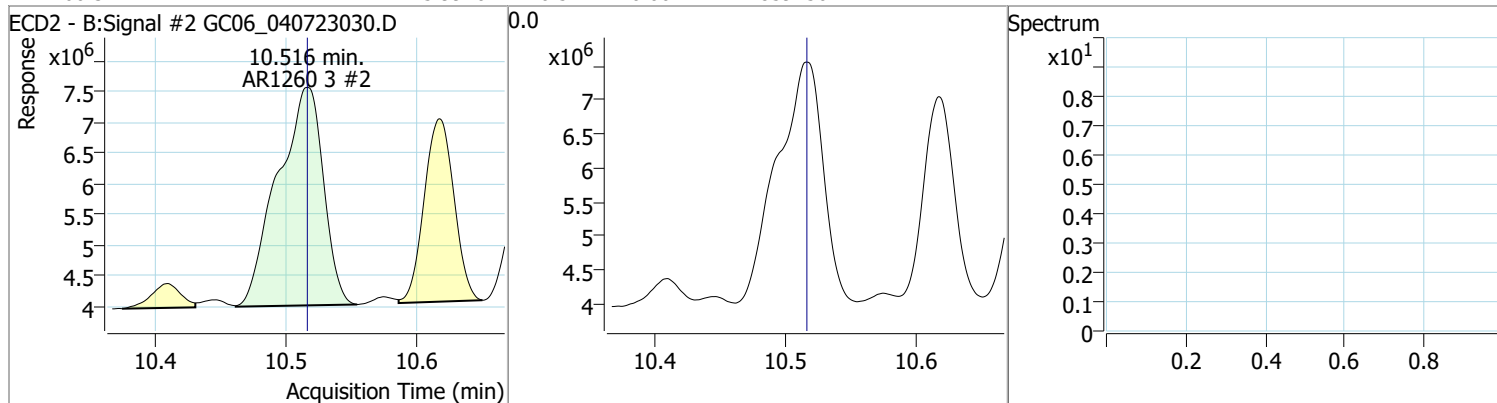
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	246.4448	10.08	0.00	6992811				



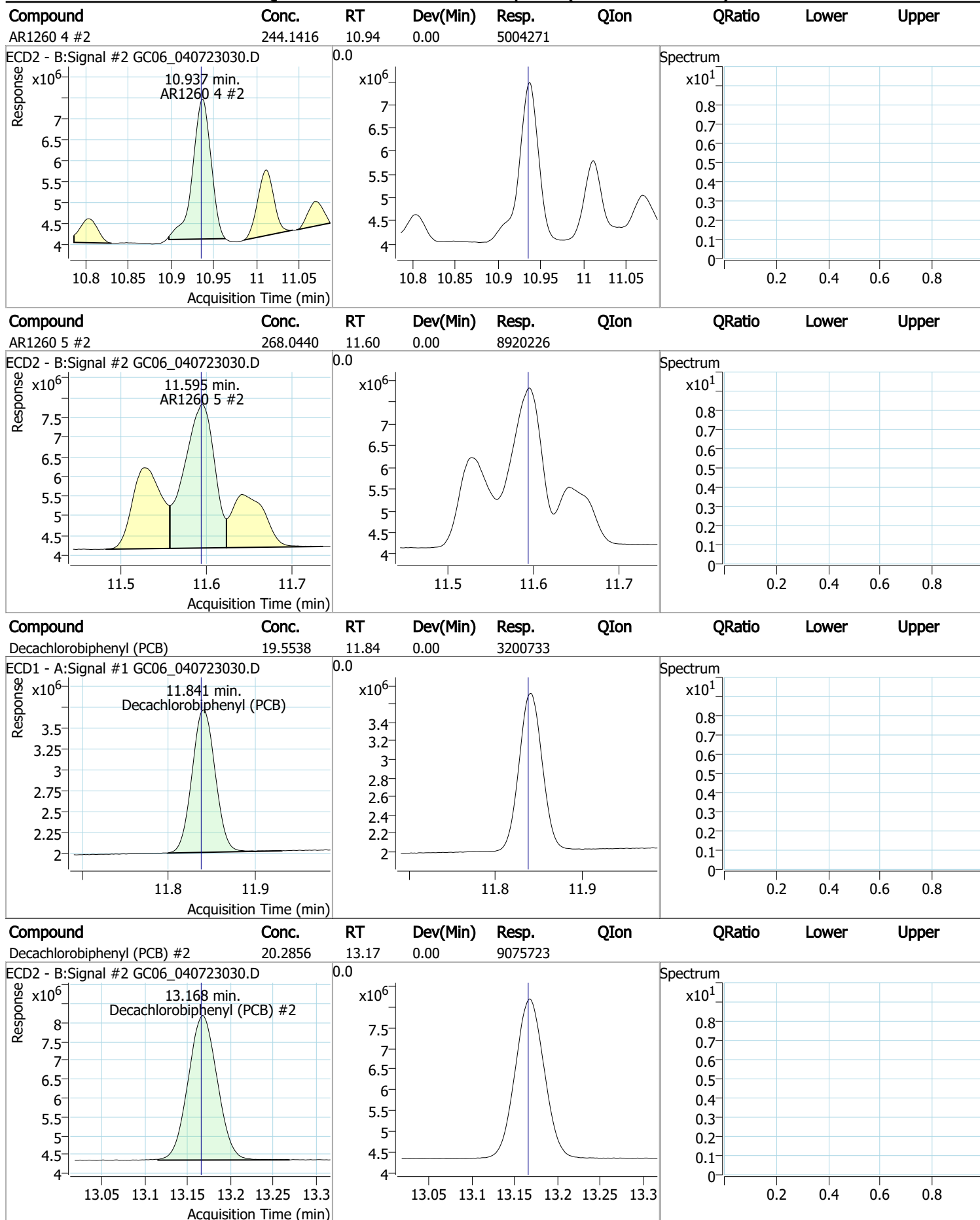
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	234.8676	10.33	0.00	3689674				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	245.9910	10.52	0.00	8594504				

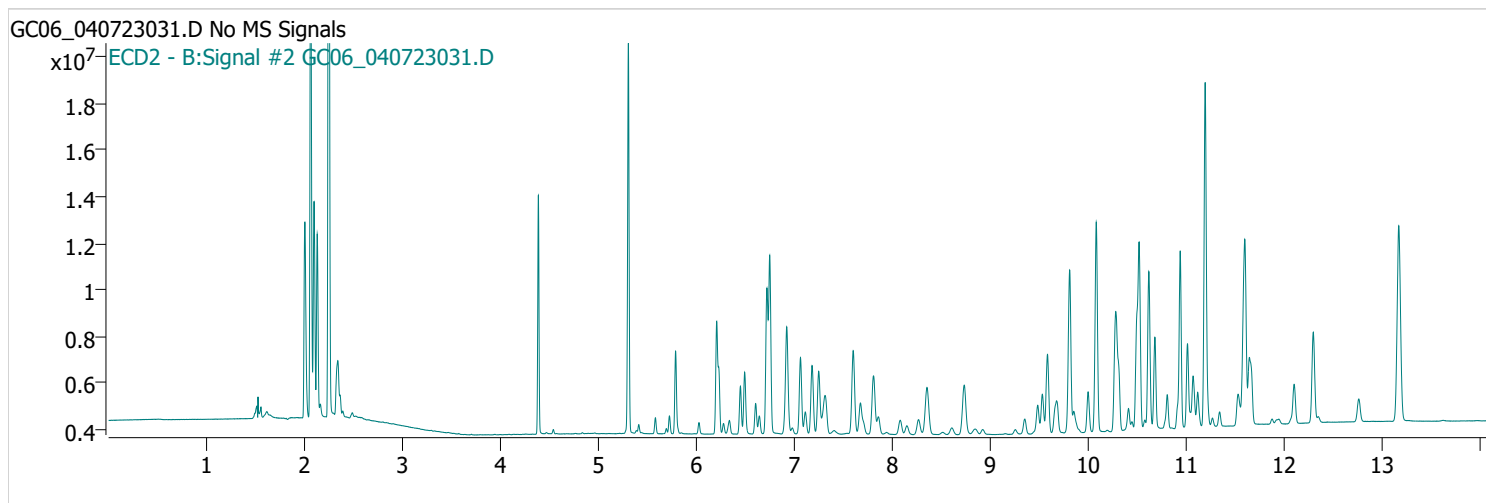
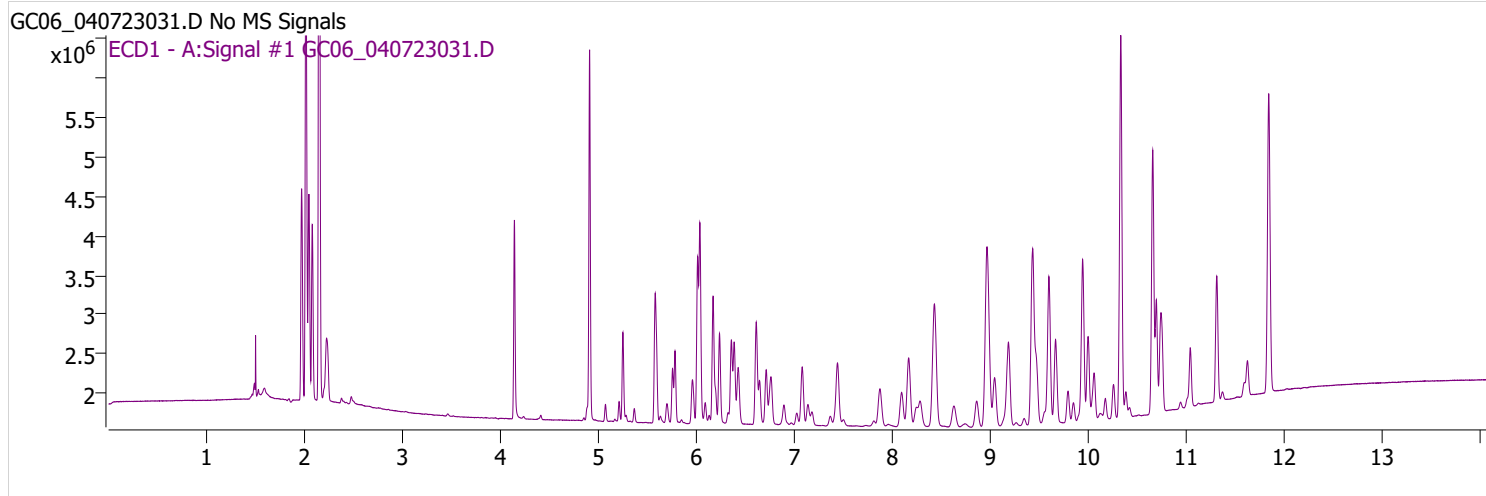


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC06_040723031.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 12:01:40 AM
Sample Name	ICAL, S18184	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2555918.88 7	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.387	0.0	9114359.88 7	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.909	0.0	4929926.38 8	37.7644	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.82%	*	
S TCMX (PCB) #2	5.305	0.0	17668634.4 84	39.1484	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.74%	*	
S Decachlorobiphenyl (PCB)	11.840	0.0	7020625.12 7	38.9795	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.90%	*	
S Decachlorobiphenyl (PCB) #2	13.168	0.0	20249433.3 03	39.9206	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.60%	*	

Target Compounds

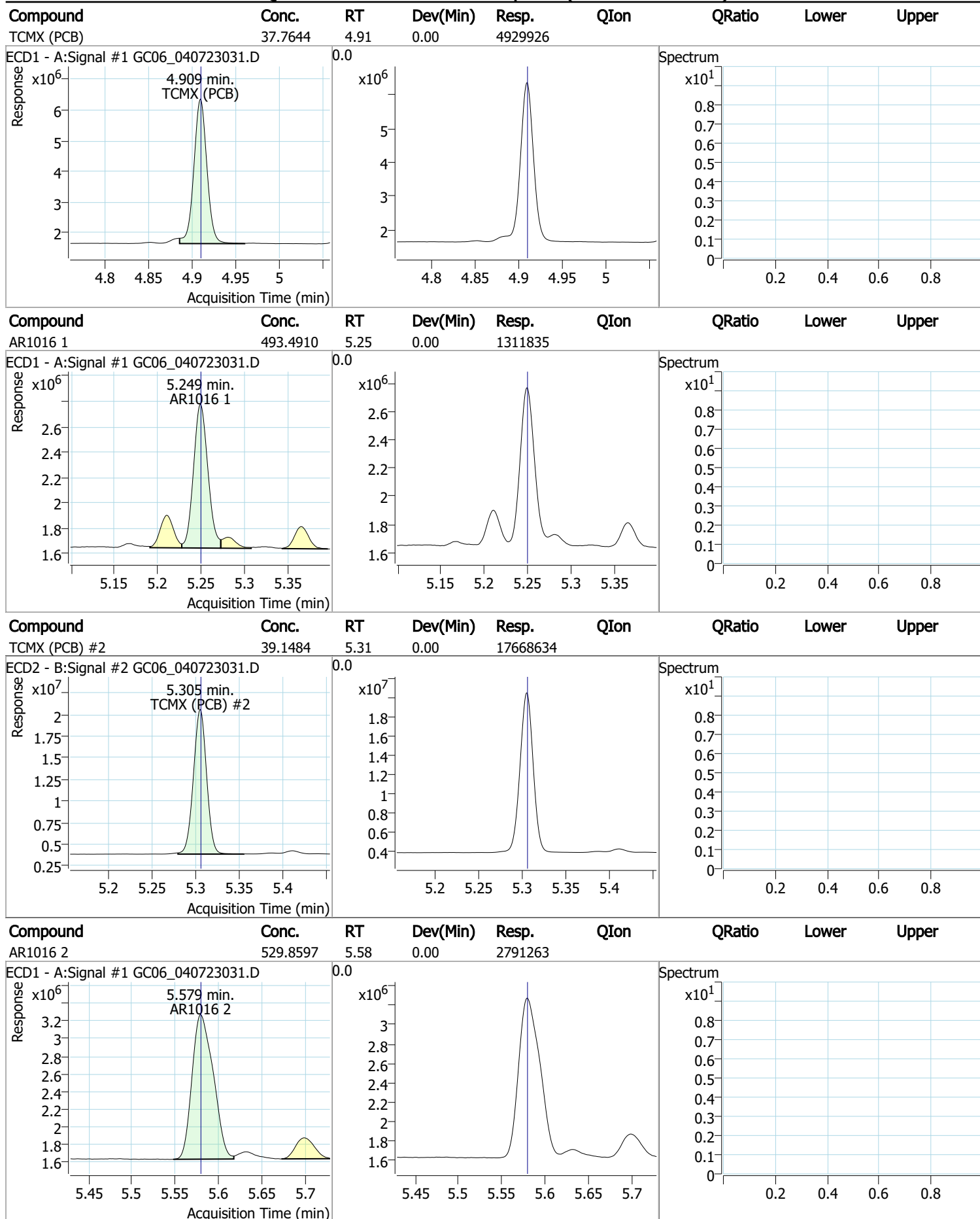
GC06_040723031.D

Quantitation Results Report (Not Reviewed)

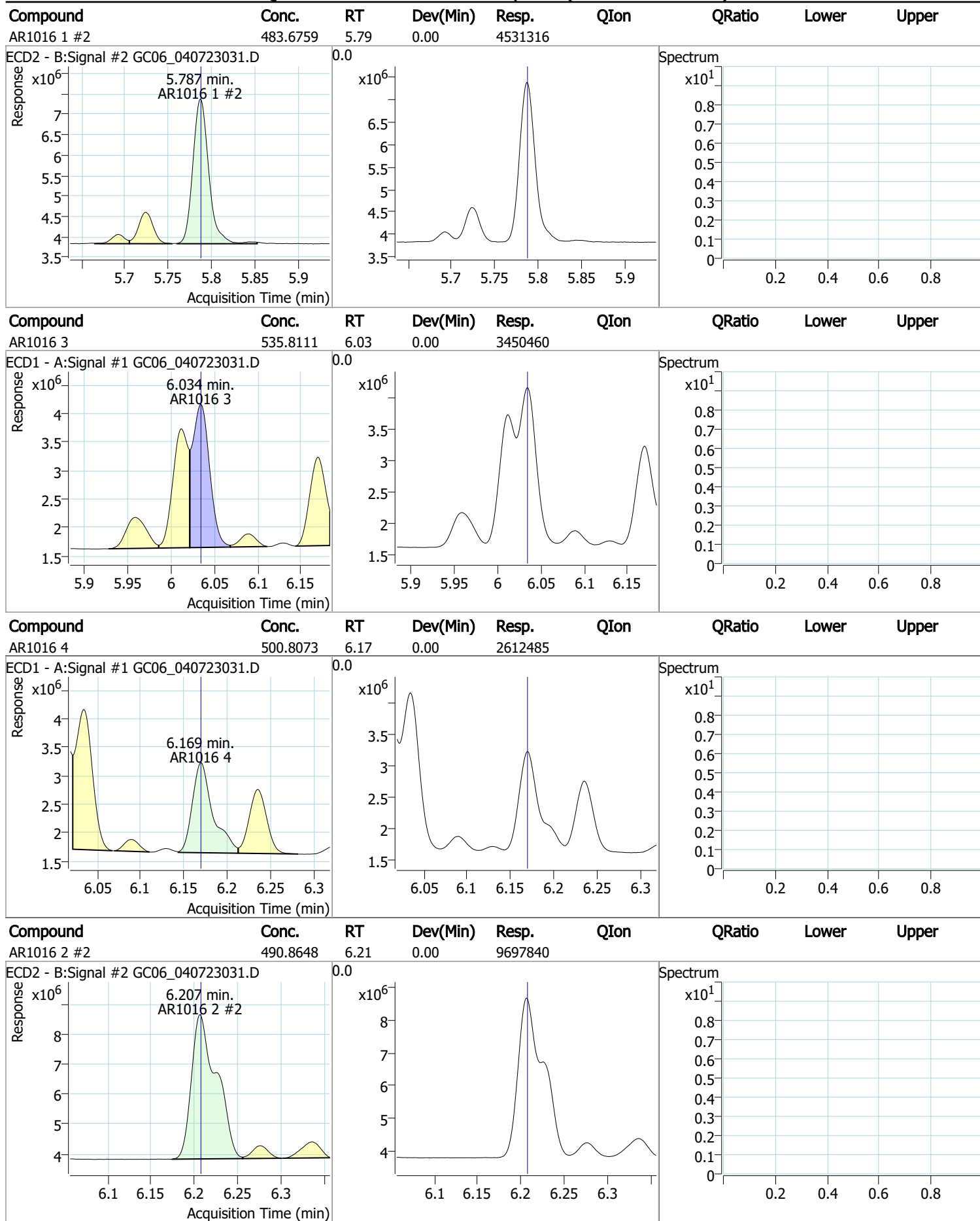
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	1311834.64 4	493.4910	ng/ml	100
T AR1016 2	5.579	0.0	2791263.27 9	529.8597	ng/ml	100
T AR1016 1 #2	5.787	0.0	4531315.50 7	483.6759	ng/ml	100
T AR1016 3	6.034	0.0	3450459.82 8	535.8111	ng/ml	100
T AR1016 4	6.169	0.0	2612484.55 3	500.8073	ng/ml	100
T AR1016 2 #2	6.207	0.0	9697840.26 1	490.8648	ng/ml	100
T AR1016 5	6.356	0.0	1537115.18 8	502.4064	ng/ml	100
T AR1016 3 #2	6.748	0.0	12181899.4 62	485.9598	ng/ml	100
T AR1016 4 #2	6.921	0.0	8772759.07 6	486.4616	ng/ml	100
T AR1016 5 #2	7.599	0.0	7196941.48 1	484.6349	ng/ml	100
T AR1260 1	8.428	0.0	4265682.78 4	500.8922	ng/ml	100
T AR1260 2	8.965	0.0	6417691.66 0	498.6091	ng/ml	100
T AR1260 3	9.432	0.0	6571010.83 7	507.9571	ng/ml	100
T AR1260 1 #2	9.808	0.0	13005519.4 26	500.1453	ng/ml	100
T AR1260 4	9.941	0.0	3925490.33 3	490.2976	ng/ml	100
T AR1260 2 #2	10.080	0.0	15454196.0 40	480.3871	ng/ml	100
T AR1260 5	10.330	0.0	8175989.05 5	472.9928	ng/ml	100
T AR1260 3 #2	10.518	0.0	19437098.2 84	490.6896	ng/ml	100
T AR1260 4 #2	10.937	0.0	11297066.1 04	486.1203	ng/ml	100
T AR1260 5 #2	11.596	0.0	18478097.1 95	489.7388	ng/ml	100

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

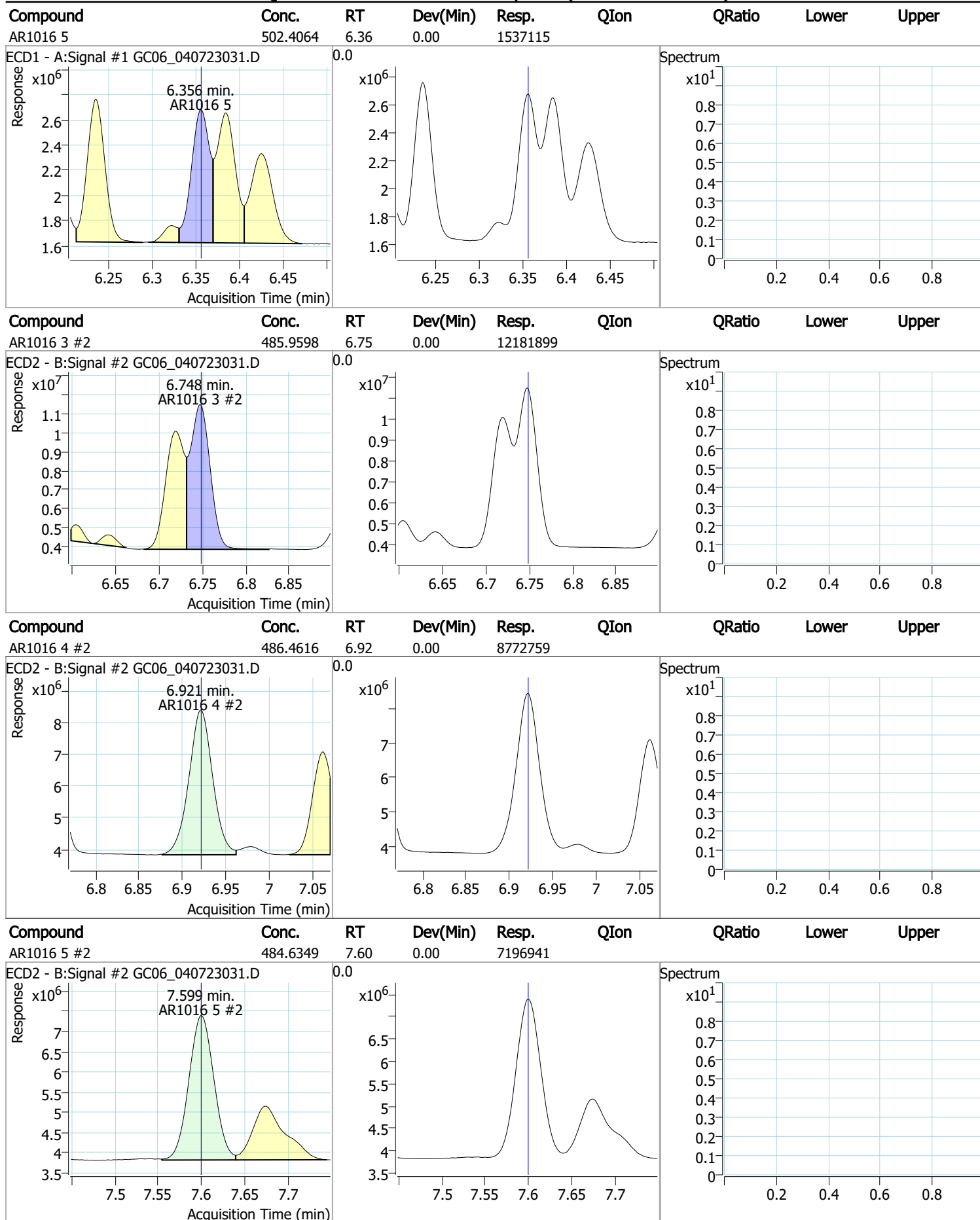
Quantitation Results Report (Not Reviewed)



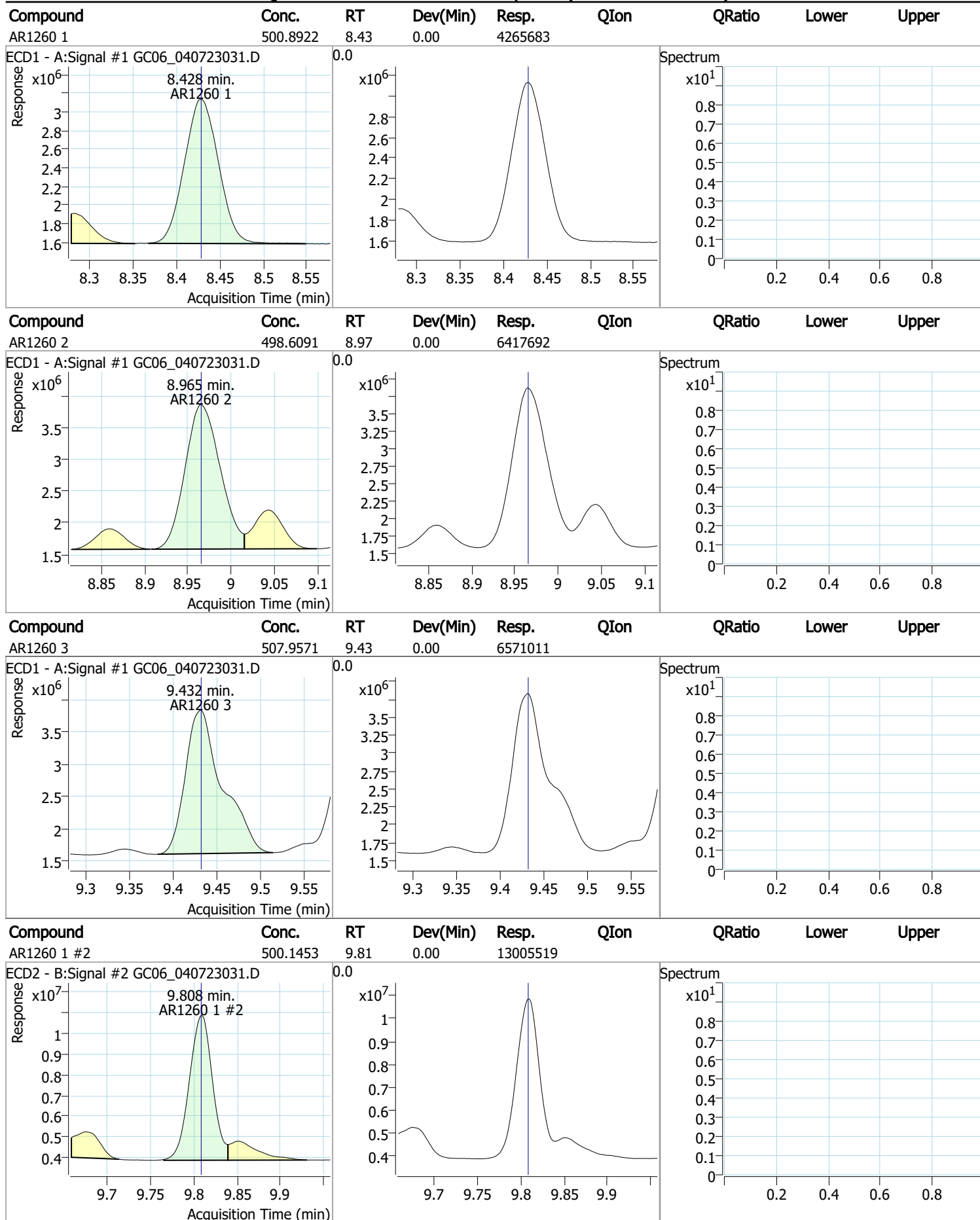
Quantitation Results Report (Not Reviewed)



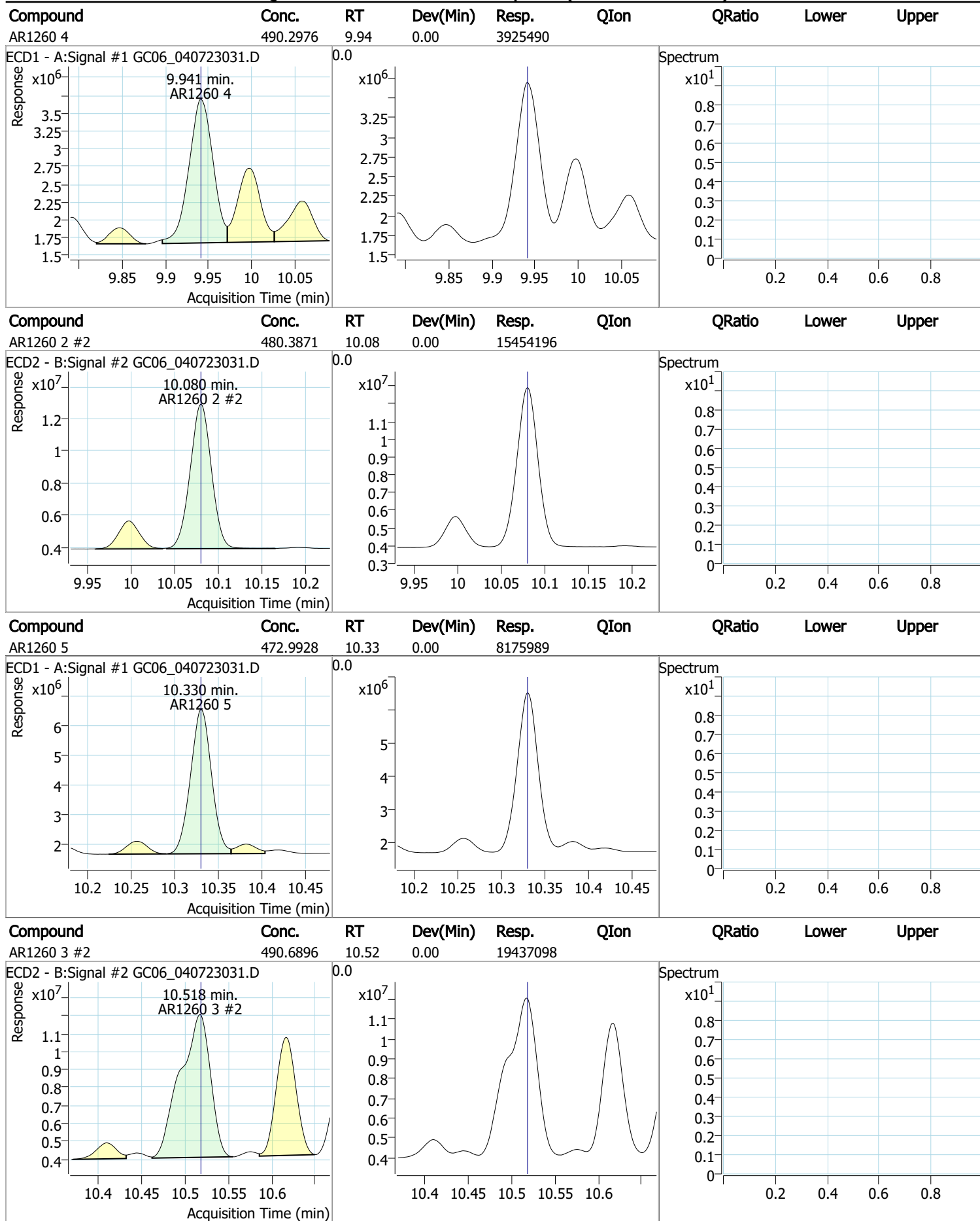
Quantitation Results Report (Not Reviewed)



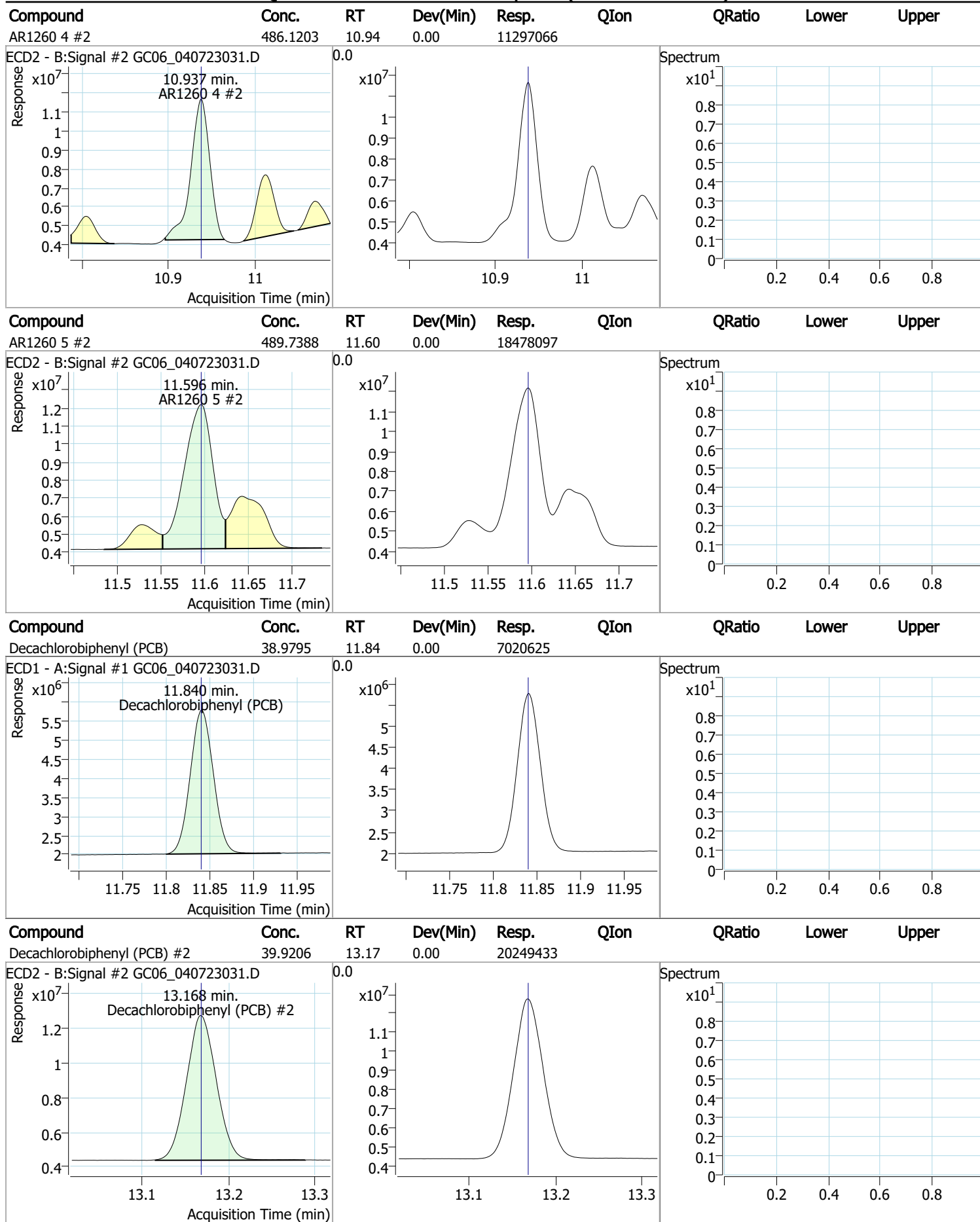
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



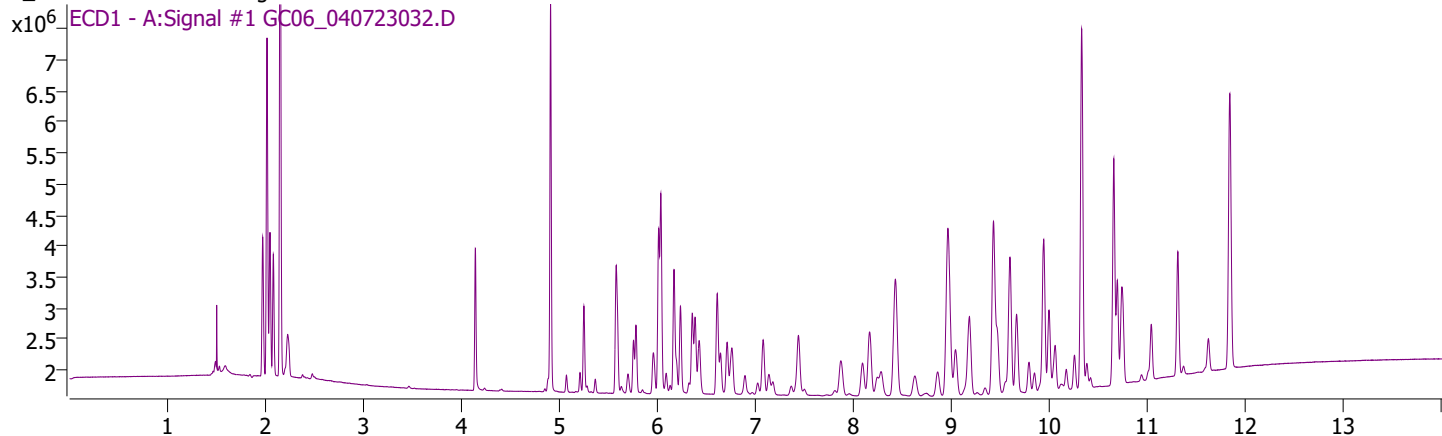
Quantitation Results Report (Not Reviewed)



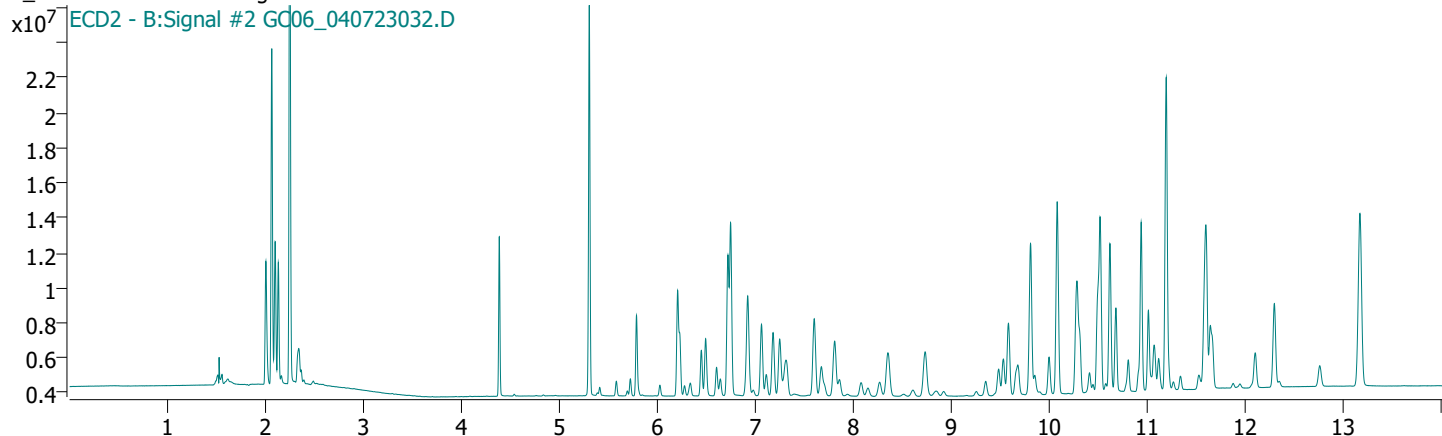
Quantitation Results Report (Not Reviewed)

Data File	GC06_040723032.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 12:19:59 AM
Sample Name	ICAL, S18185	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			

GC06_040723032.D No MS Signals



GC06_040723032.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.141	0.0	2291154.44 8	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	8134119.94 2	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.909	0.0	6375202.02 7	54.4790	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.40%	*	
S TCMX (PCB) #2	5.304	0.0	23006481.1 50	57.1185	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 285.59%	*	
S Decachlorobiphenyl (PCB)	11.842	0.0	8282034.43 9	51.2968	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 256.48%	*	
S Decachlorobiphenyl (PCB) #2	13.169	0.0	23950081.4 97	52.9062	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 264.53%	*	

Target Compounds

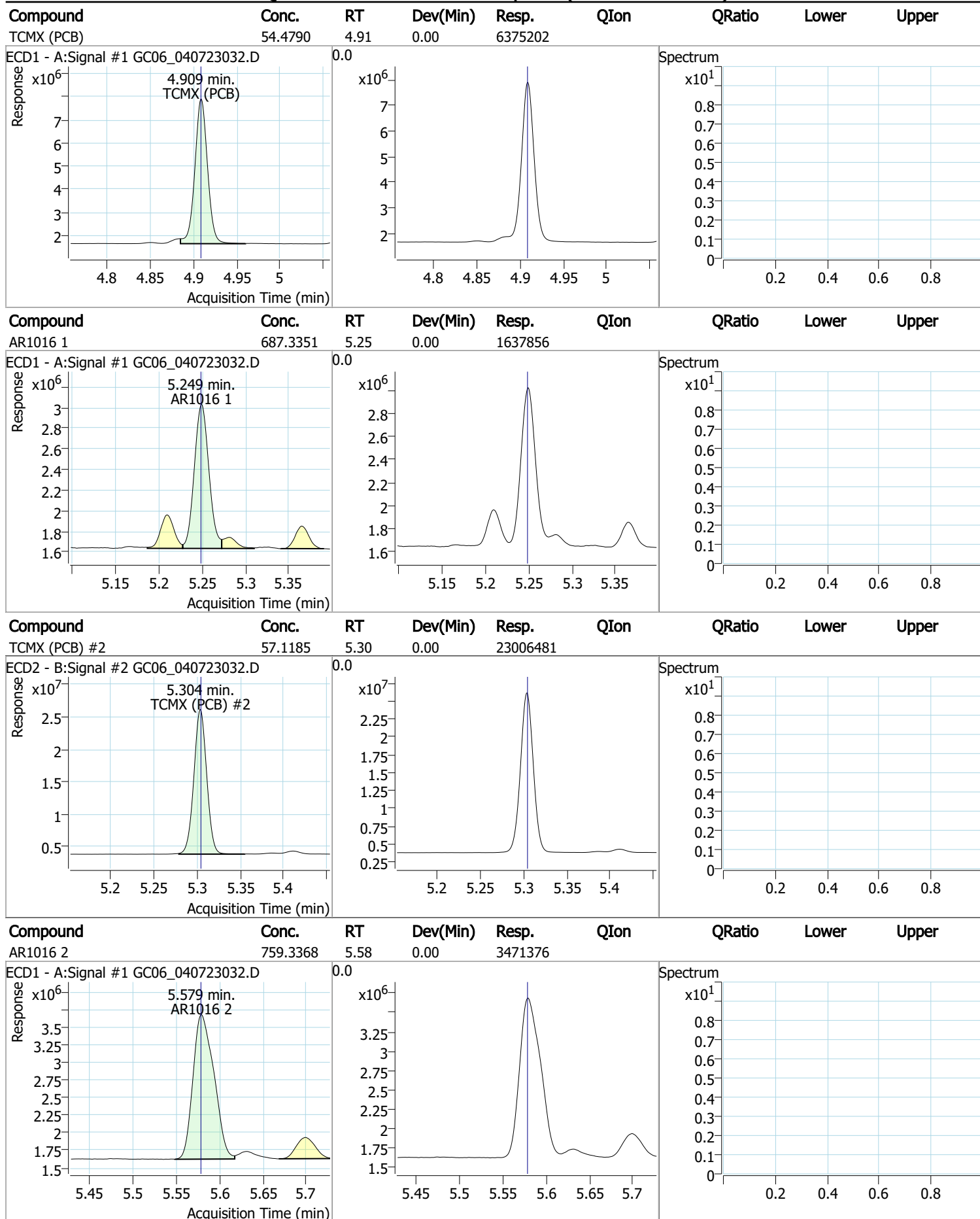
QValue

Quantitation Results Report (Not Reviewed)

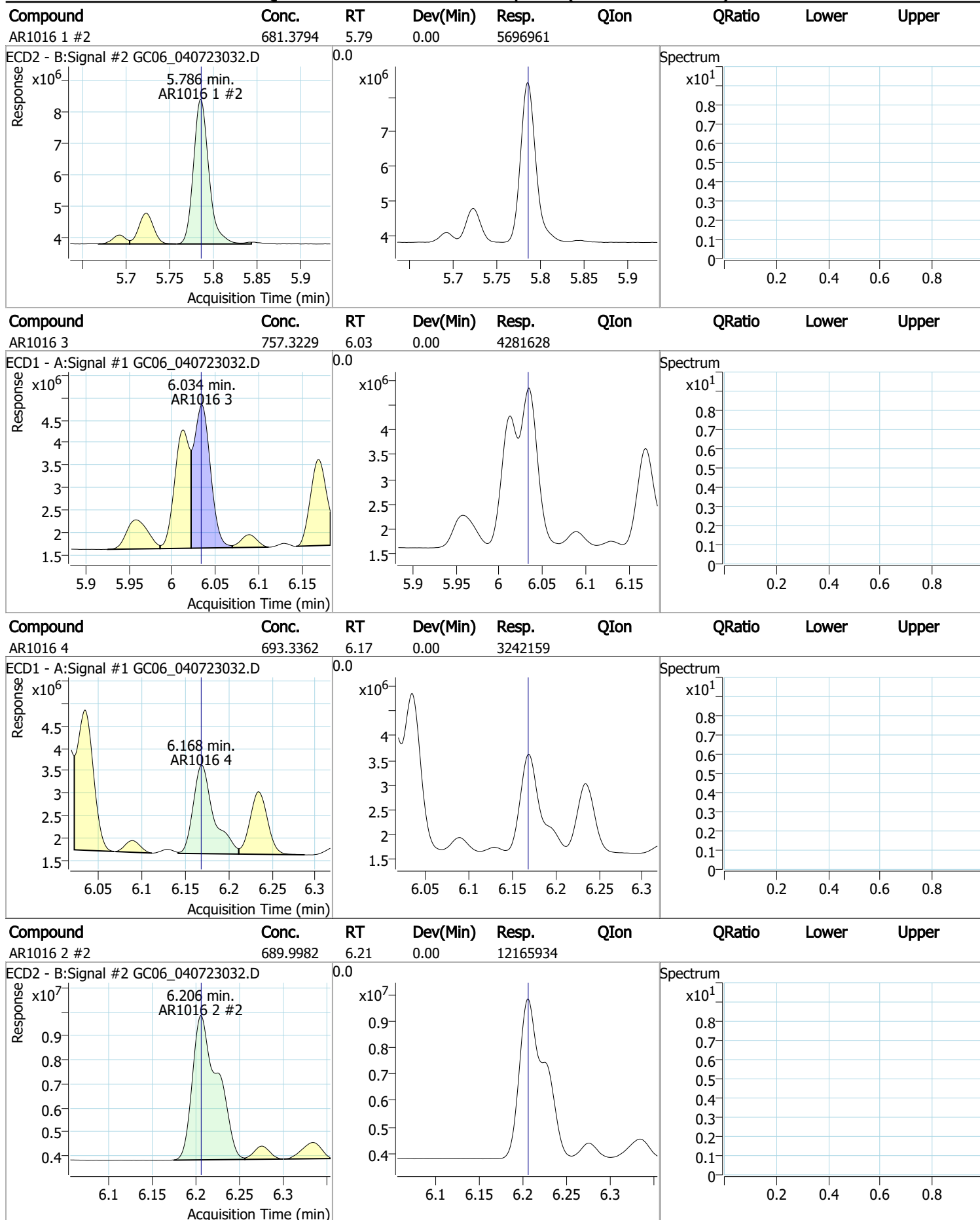
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	1637855.74 1	687.3351	ng/ml	100
T AR1016 2	5.579	0.0	3471375.78 2	759.3368	ng/ml	100
T AR1016 1 #2	5.786	0.0	5696960.62 5	681.3794	ng/ml	100
T AR1016 3	6.034	0.0	4281628.06 6	757.3229	ng/ml	100
T AR1016 4	6.168	0.0	3242158.84 3	693.3362	ng/ml	100
T AR1016 2 #2	6.206	0.0	12165934.4 92	689.9982	ng/ml	100
T AR1016 5	6.355	0.0	1896103.99 3	691.3589	ng/ml	100
T AR1016 3 #2	6.746	0.0	15064463.9 33	673.3714	ng/ml	100
T AR1016 4 #2	6.921	0.0	10990886.8 70	682.9057	ng/ml	100
T AR1016 5 #2	7.600	0.0	8962743.49 9	676.2750	ng/ml	100
T AR1260 1	8.428	0.0	5158308.18 4	675.7027	ng/ml	100
T AR1260 2	8.964	0.0	7650849.72 4	663.1071	ng/ml	100
T AR1260 3	9.429	0.0	8036140.50 0	693.0029	ng/ml	100
T AR1260 1 #2	9.808	0.0	16088482.2 50	693.2648	ng/ml	100
T AR1260 4	9.943	0.0	4772713.84 8	665.0036	ng/ml	100
T AR1260 2 #2	10.079	0.0	19008272.7 95	662.0689	ng/ml	100
T AR1260 5	10.329	0.0	10015858.6 87	646.3907	ng/ml	100
T AR1260 3 #2	10.517	0.0	24056912.4 45	680.5043	ng/ml	100
T AR1260 4 #2	10.937	0.0	14059981.6 06	677.9200	ng/ml	100
T AR1260 5 #2	11.597	0.0	22046442.9 09	654.7287	ng/ml	100

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

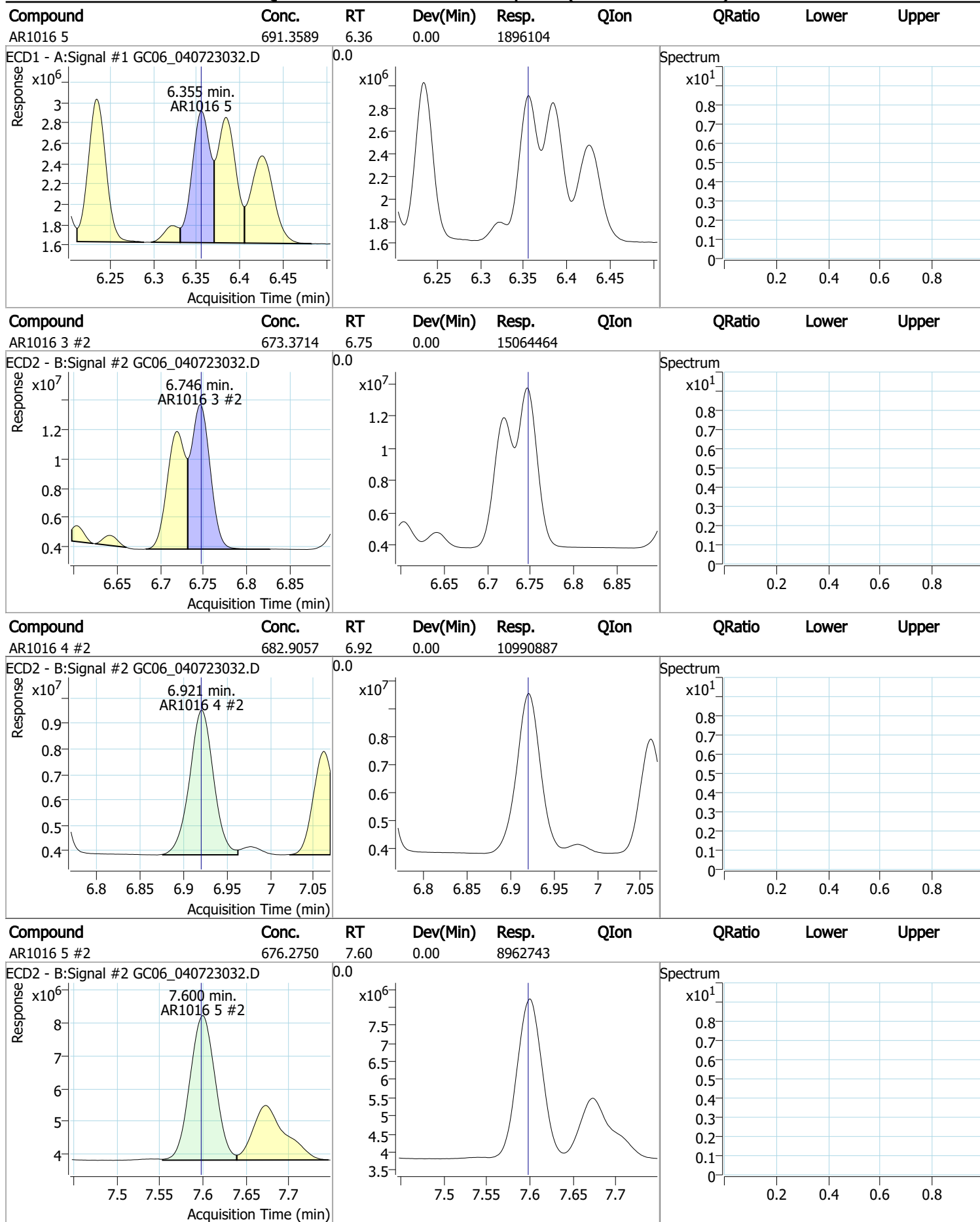
Quantitation Results Report (Not Reviewed)



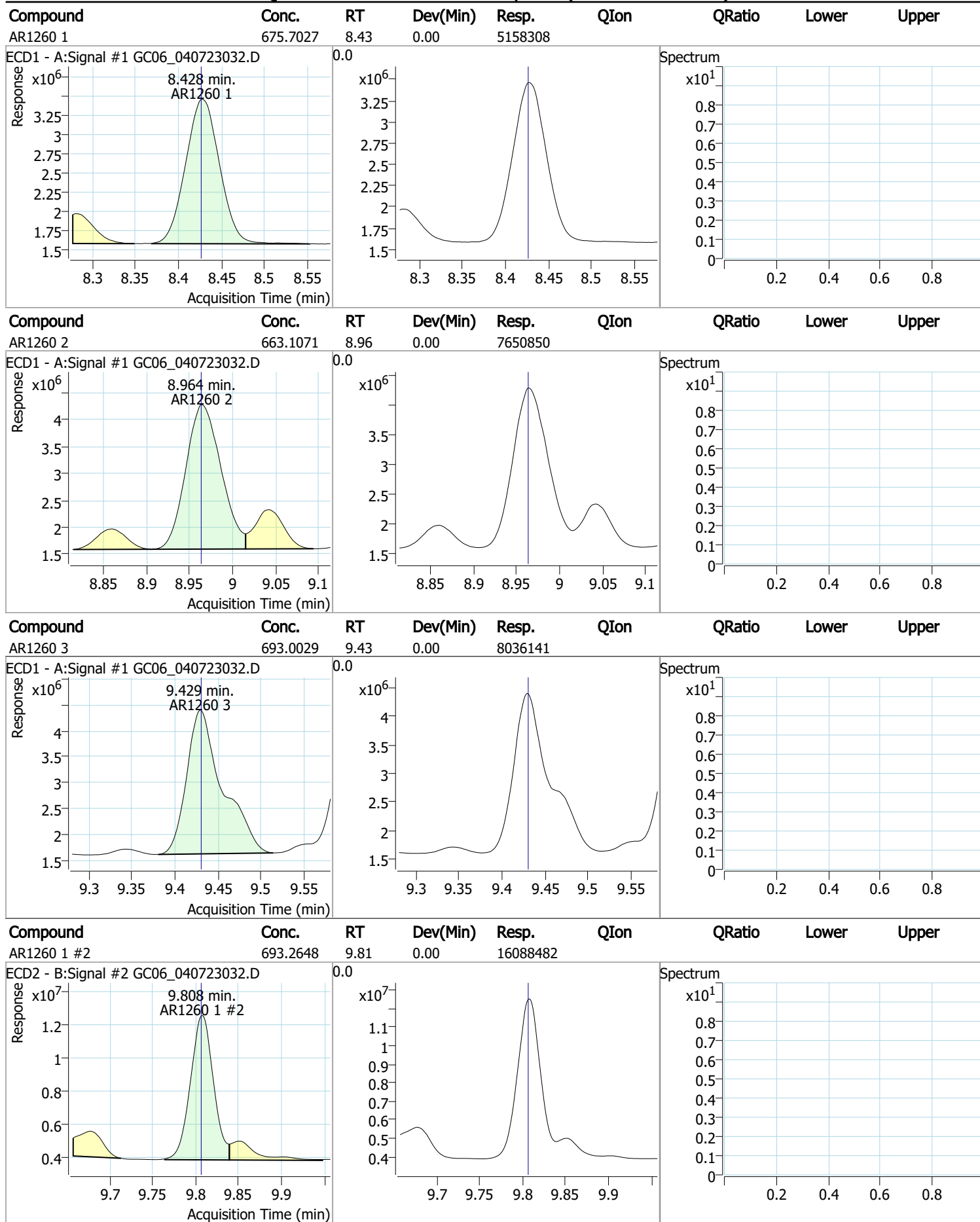
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

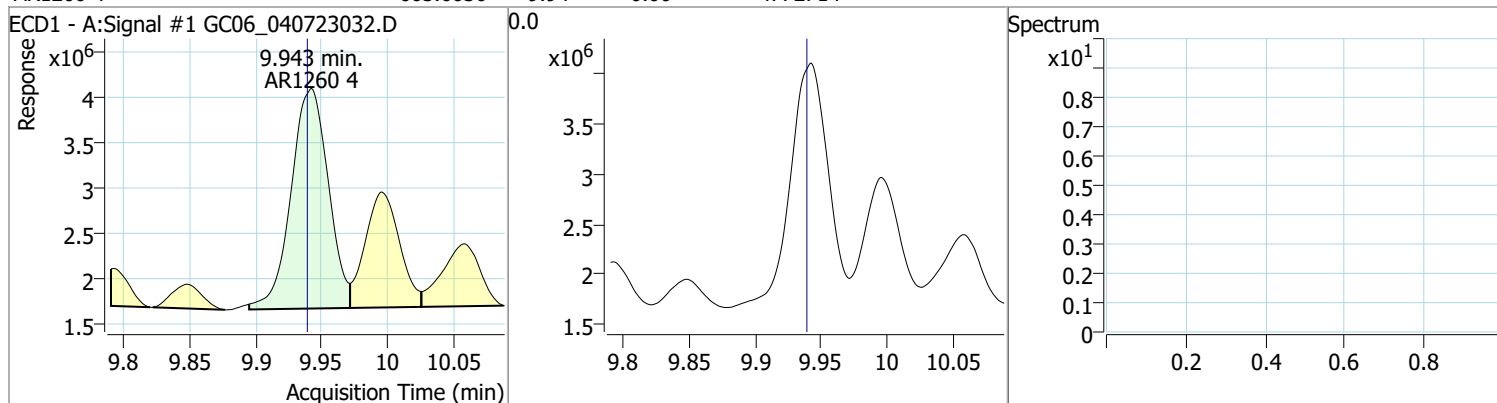


Quantitation Results Report (Not Reviewed)

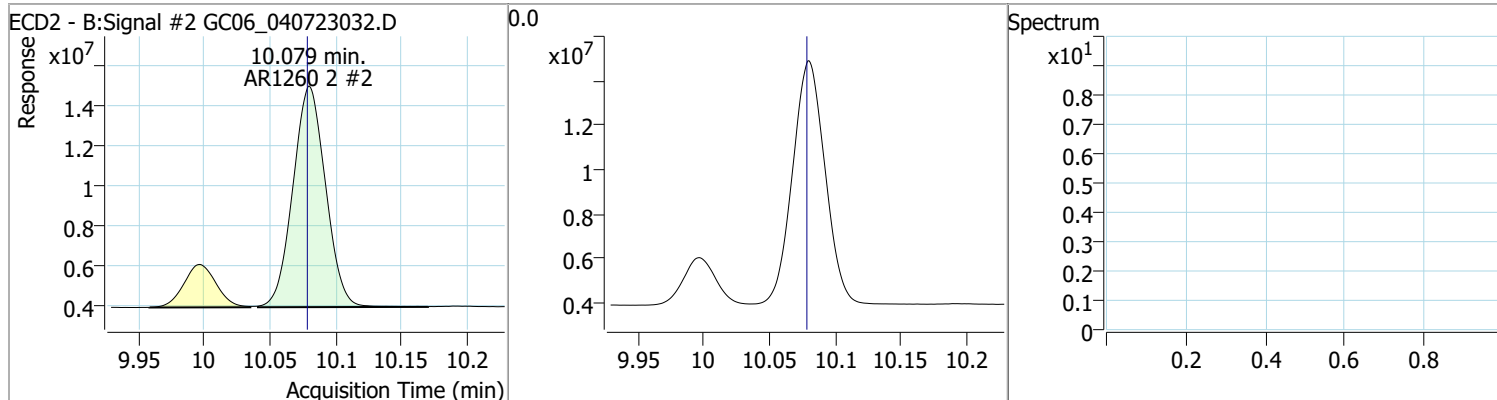


Quantitation Results Report (Not Reviewed)

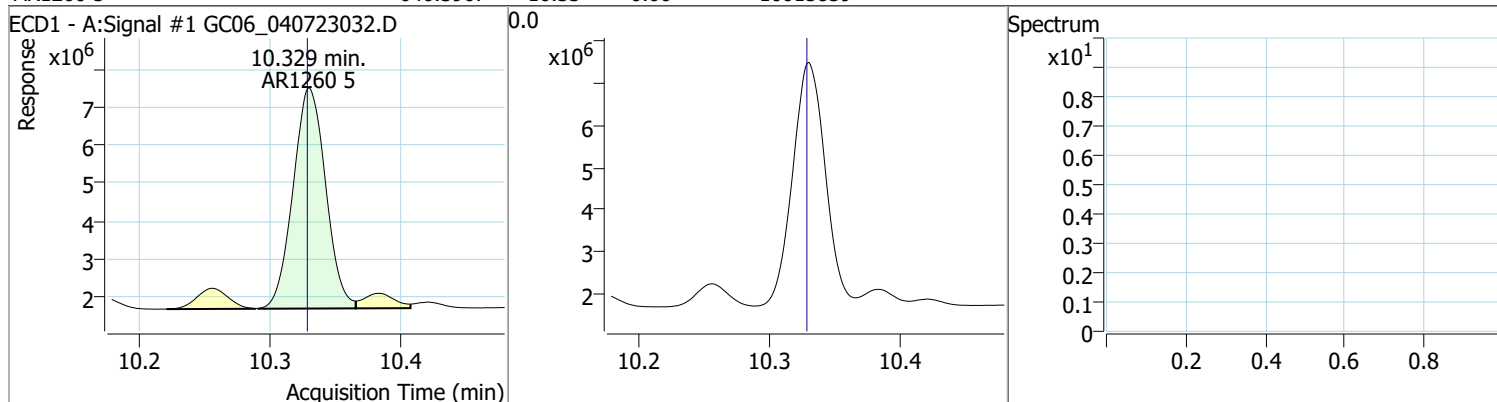
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	665.0036	9.94	0.00	4772714				



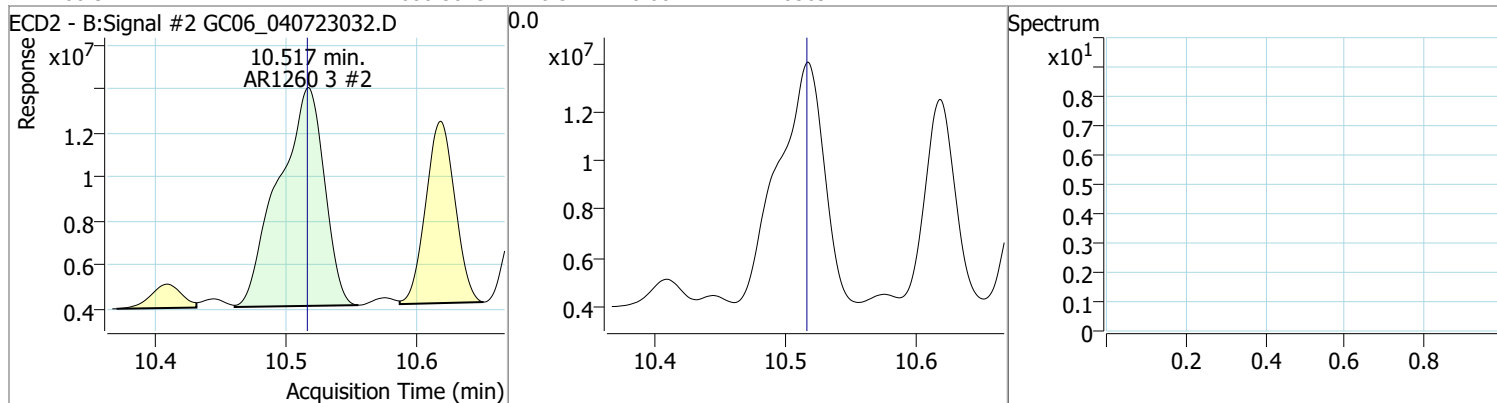
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	662.0689	10.08	0.00	19008273				



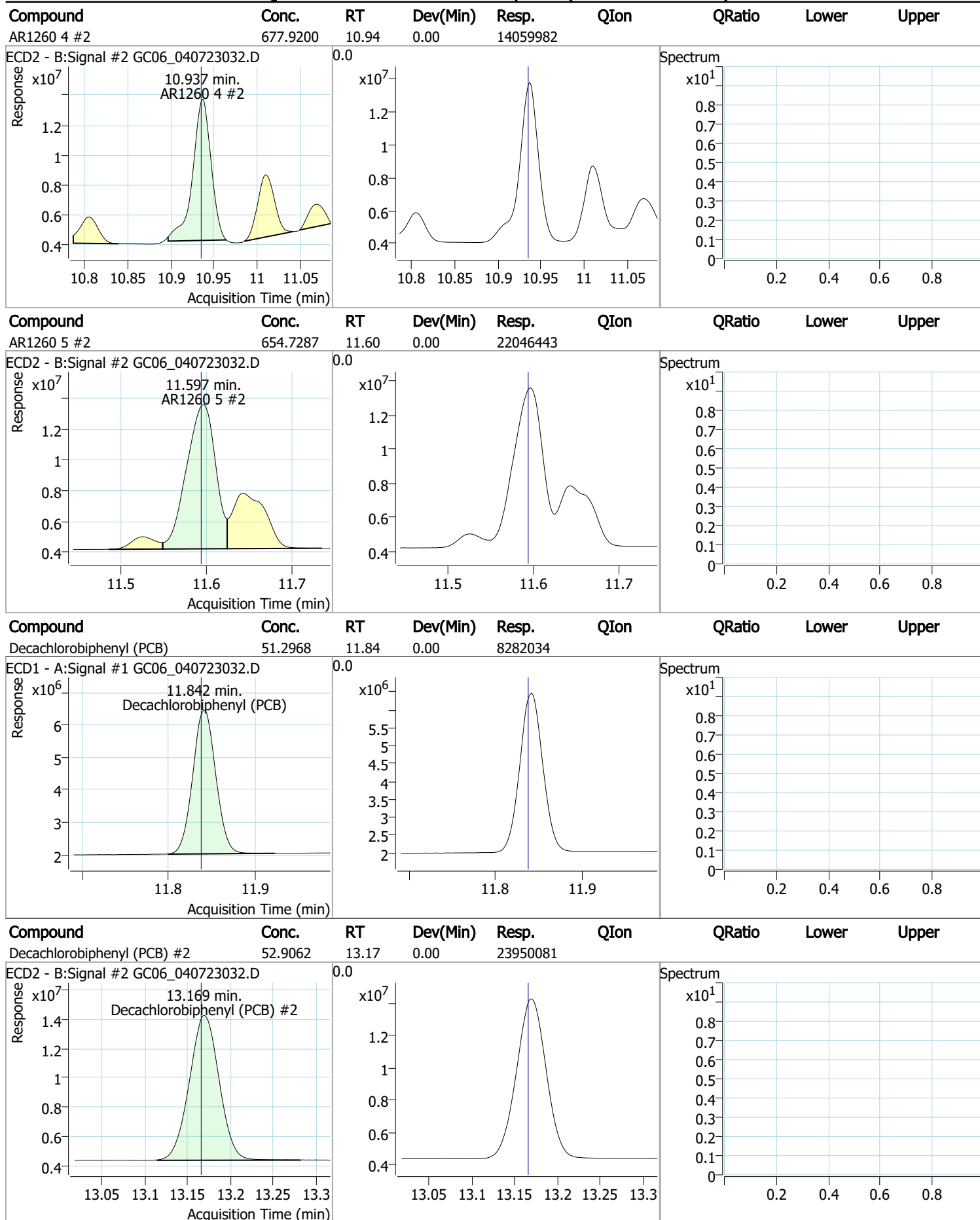
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	646.3907	10.33	0.00	10015859				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	680.5043	10.52	0.00	24056912				



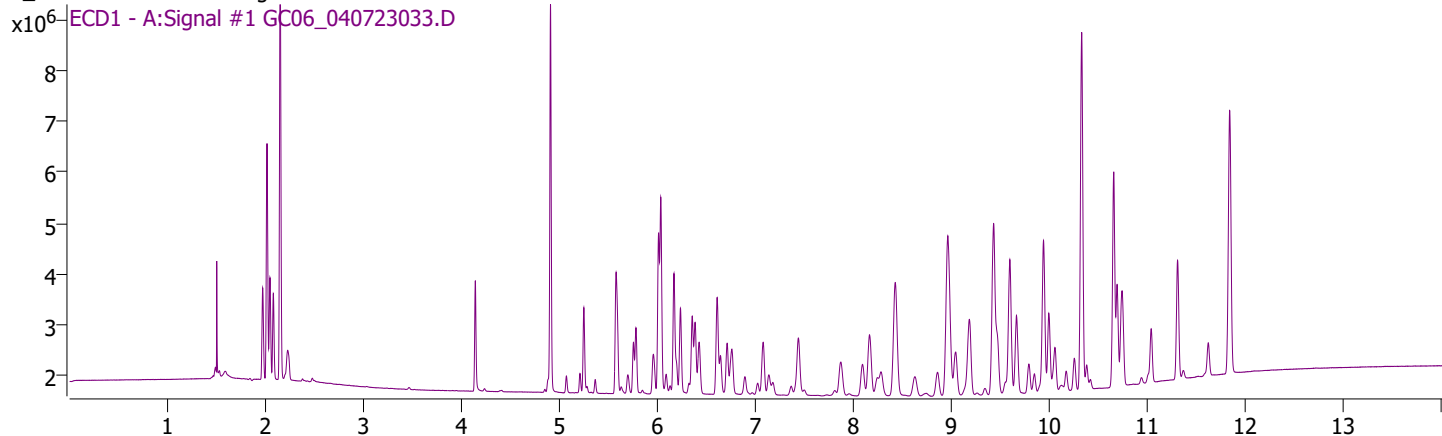
Quantitation Results Report (Not Reviewed)



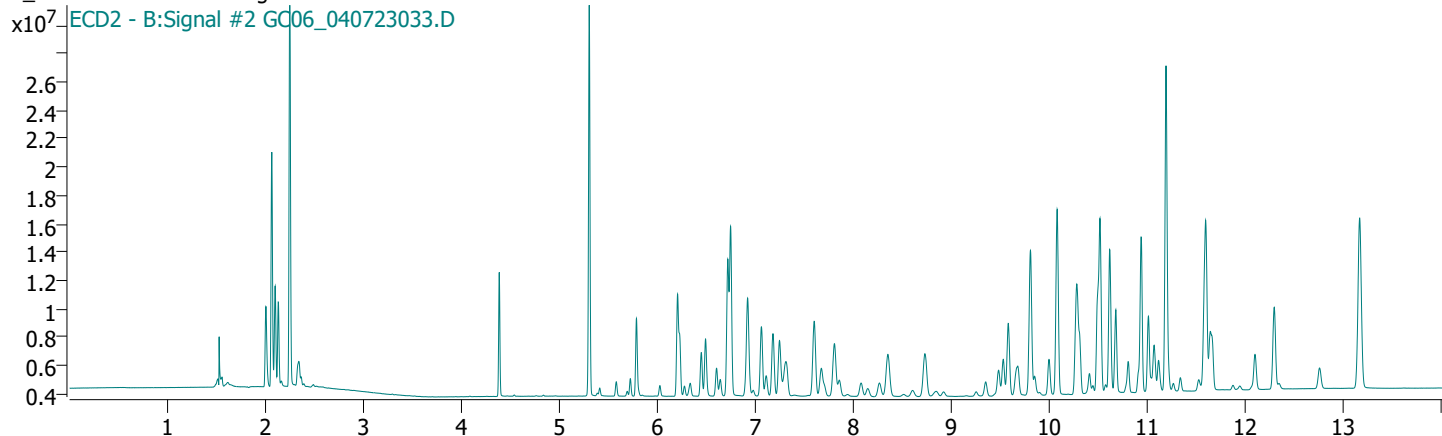
Quantitation Results Report (Not Reviewed)

Data File	GC06_040723033.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 12:38:13 AM
Sample Name	ICAL, S18186	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			

GC06_040723033.D No MS Signals



GC06_040723033.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2166949.83 5	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	7726199.86 7	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.908	0.0	7798504.06 9	70.4615	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 352.31%	*	
S TCMX (PCB) #2	5.304	0.0	28492704.5 05	74.4740	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 372.37%	*	
S Decachlorobiphenyl (PCB)	11.841	0.0	9988701.38 8	65.4135	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 327.07%	*	
S Decachlorobiphenyl (PCB) #2	13.168	0.0	28745397.6 95	66.8518	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 334.26%	*	

Target Compounds

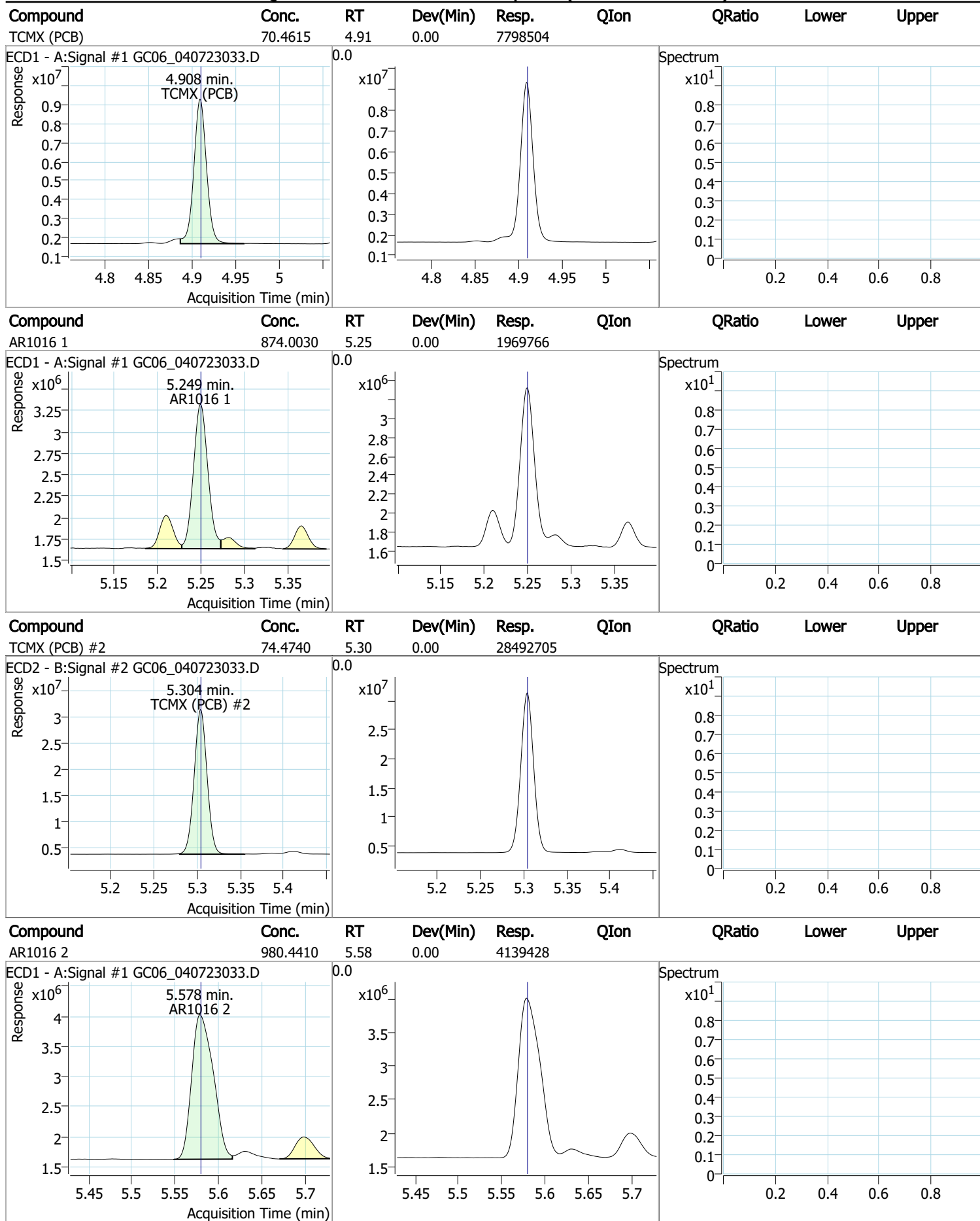
QValue

Quantitation Results Report (Not Reviewed)

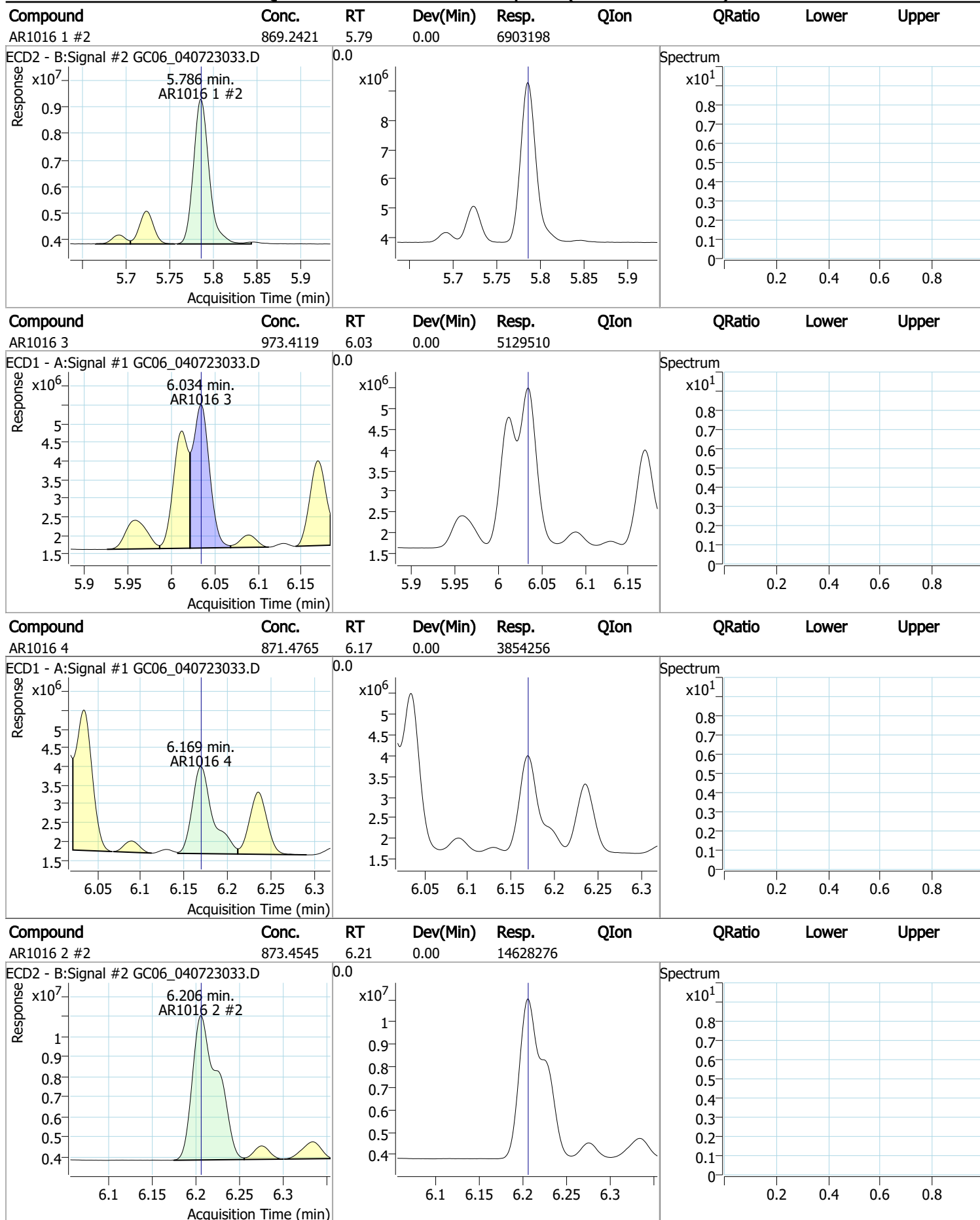
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	1969765.58 6	874.0030	ng/ml	100
T AR1016 2	5.578	0.0	4139427.89 1	980.4410	ng/ml	100
T AR1016 1 #2	5.786	0.0	6903197.69 7	869.2421	ng/ml	100
T AR1016 3	6.034	0.0	5129510.49 3	973.4119	ng/ml	100
T AR1016 4	6.169	0.0	3854256.03 2	871.4765	ng/ml	100
T AR1016 2 #2	6.206	0.0	14628276.2 53	873.4545	ng/ml	100
T AR1016 5	6.356	0.0	2229285.14 3	859.4340	ng/ml	100
T AR1016 3 #2	6.747	0.0	18649082.8 20	877.6131	ng/ml	100
T AR1016 4 #2	6.921	0.0	13226089.1 47	865.1752	ng/ml	100
T AR1016 5 #2	7.600	0.0	10777115.5 85	856.1099	ng/ml	100
T AR1260 1	8.428	0.0	6090685.96 6	843.5680	ng/ml	100
T AR1260 2	8.964	0.0	9021663.16 4	826.7347	ng/ml	100
T AR1260 3	9.432	0.0	9568110.35 0	872.4071	ng/ml	100
T AR1260 1 #2	9.808	0.0	19164618.6 32	869.4185	ng/ml	100
T AR1260 4	9.941	0.0	5691142.64 7	838.4237	ng/ml	100
T AR1260 2 #2	10.080	0.0	22718105.7 95	833.0619	ng/ml	100
T AR1260 5	10.331	0.0	12092151.5 16	825.1179	ng/ml	100
T AR1260 3 #2	10.518	0.0	28957794.4 12	862.3849	ng/ml	100
T AR1260 4 #2	10.938	0.0	17001447.9 51	863.0267	ng/ml	100
T AR1260 5 #2	11.596	0.0	26565544.2 69	830.5891	ng/ml	100

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

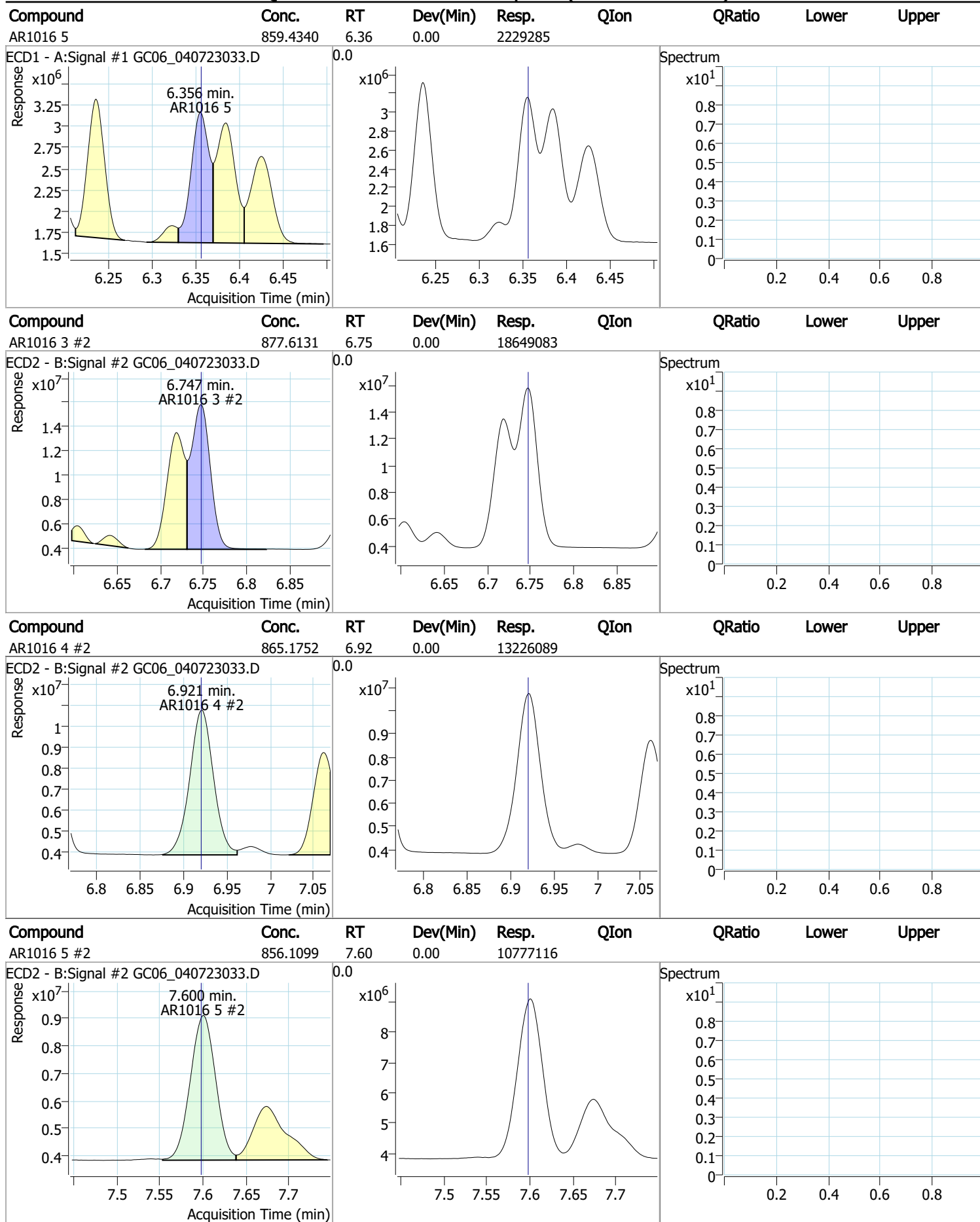
Quantitation Results Report (Not Reviewed)



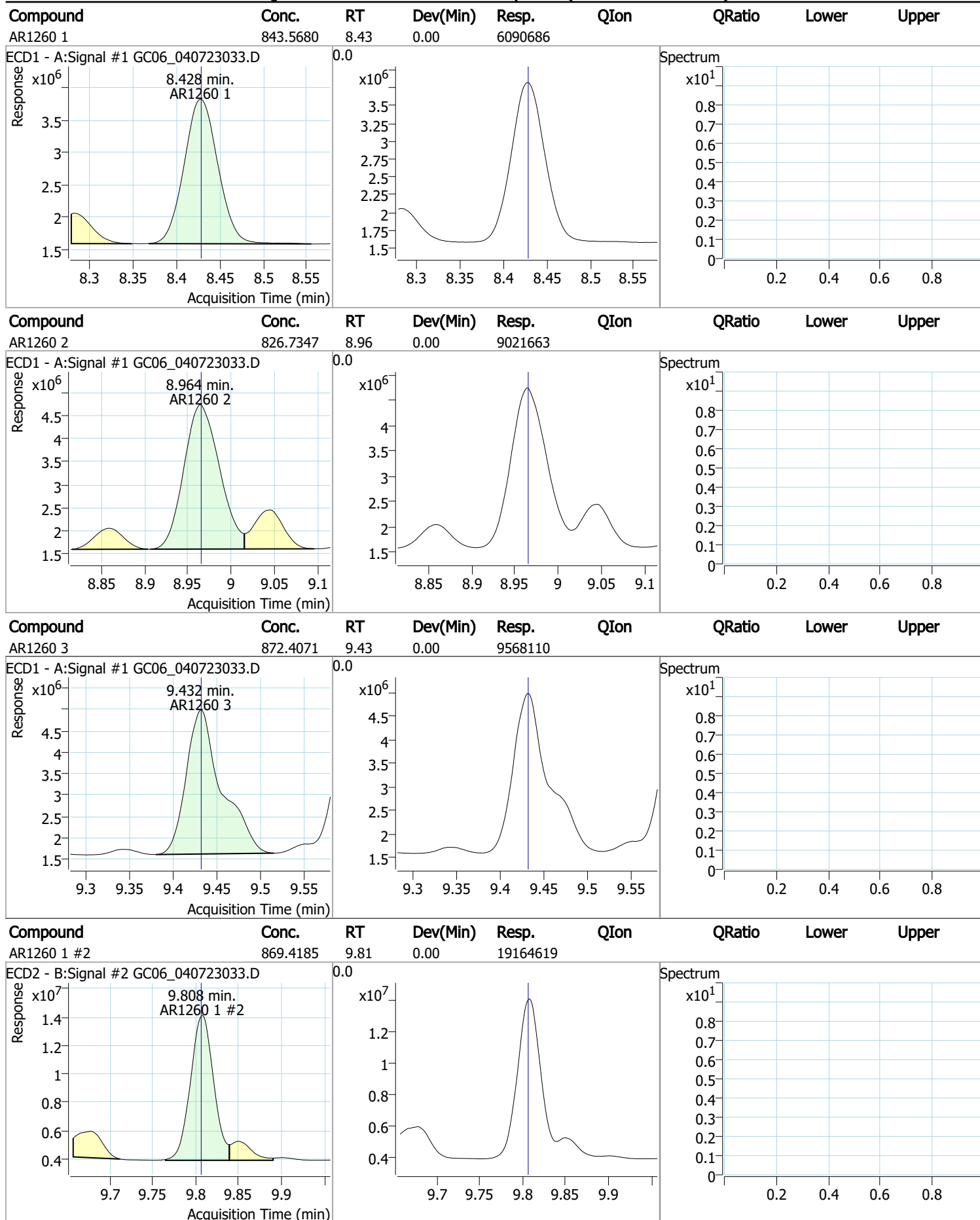
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

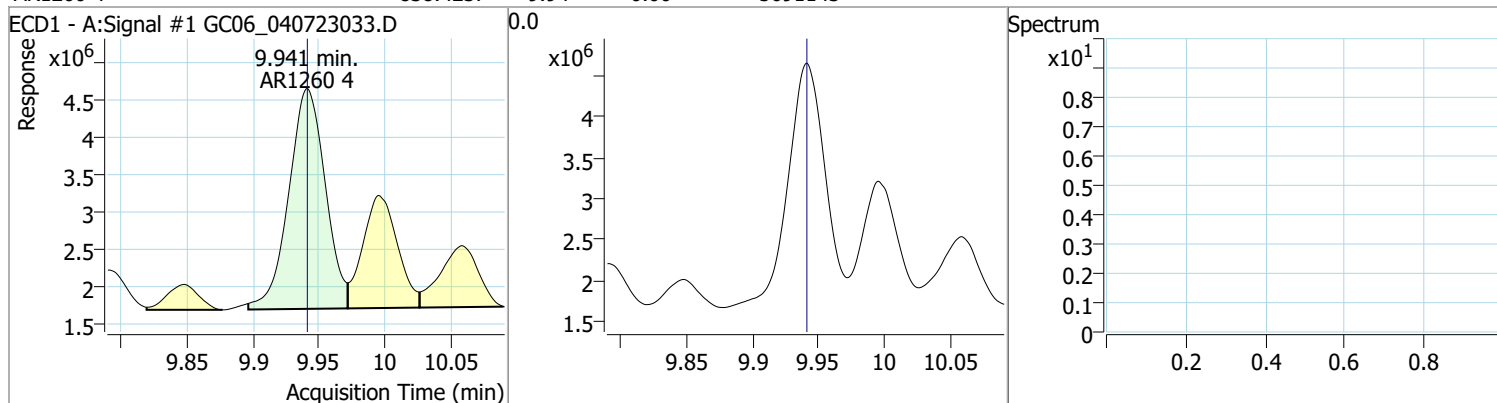


Quantitation Results Report (Not Reviewed)

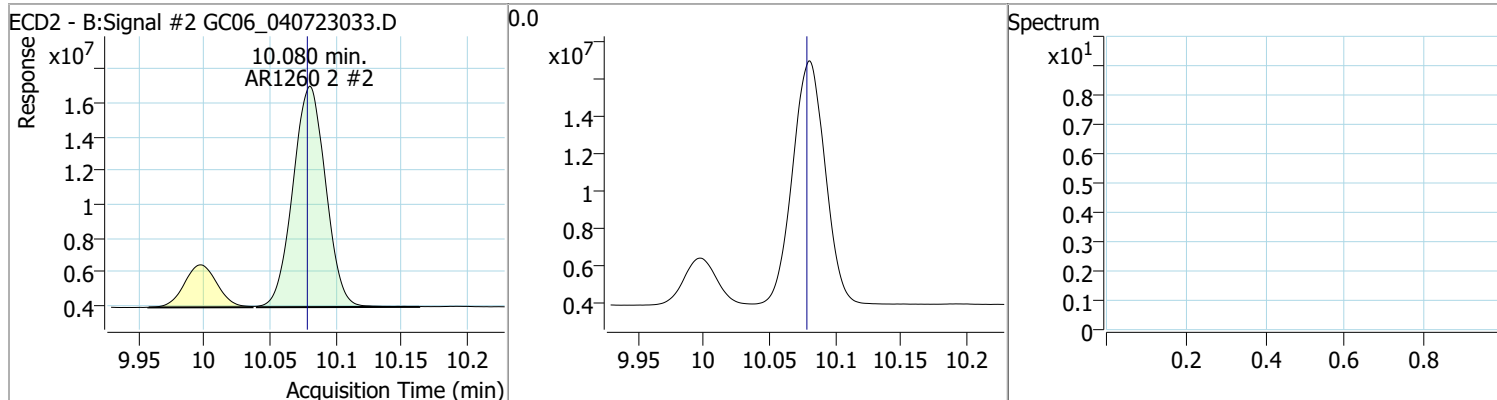


Quantitation Results Report (Not Reviewed)

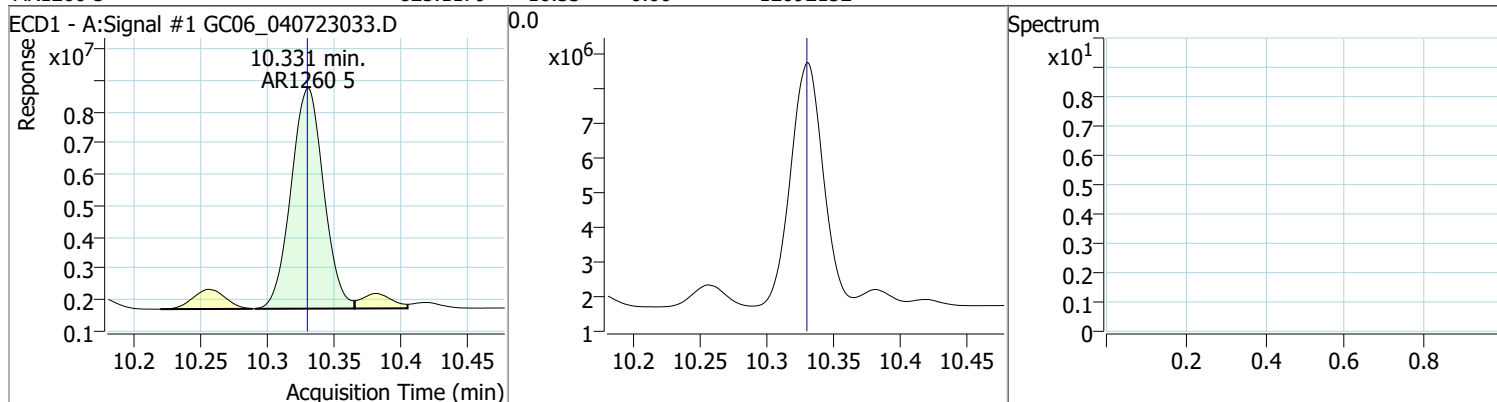
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	838.4237	9.94	0.00	5691143				



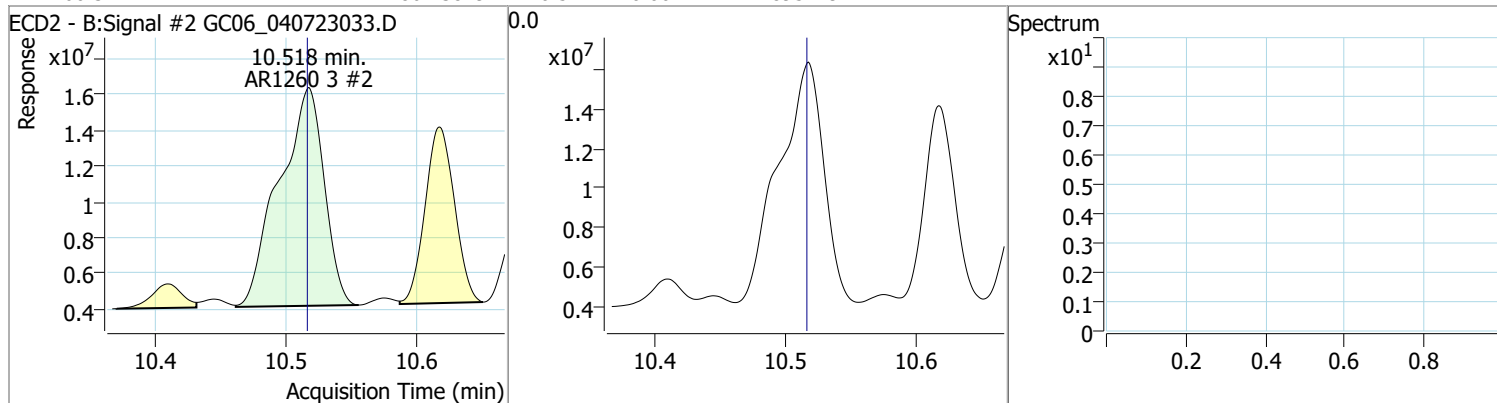
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	833.0619	10.08	0.00	22718106				



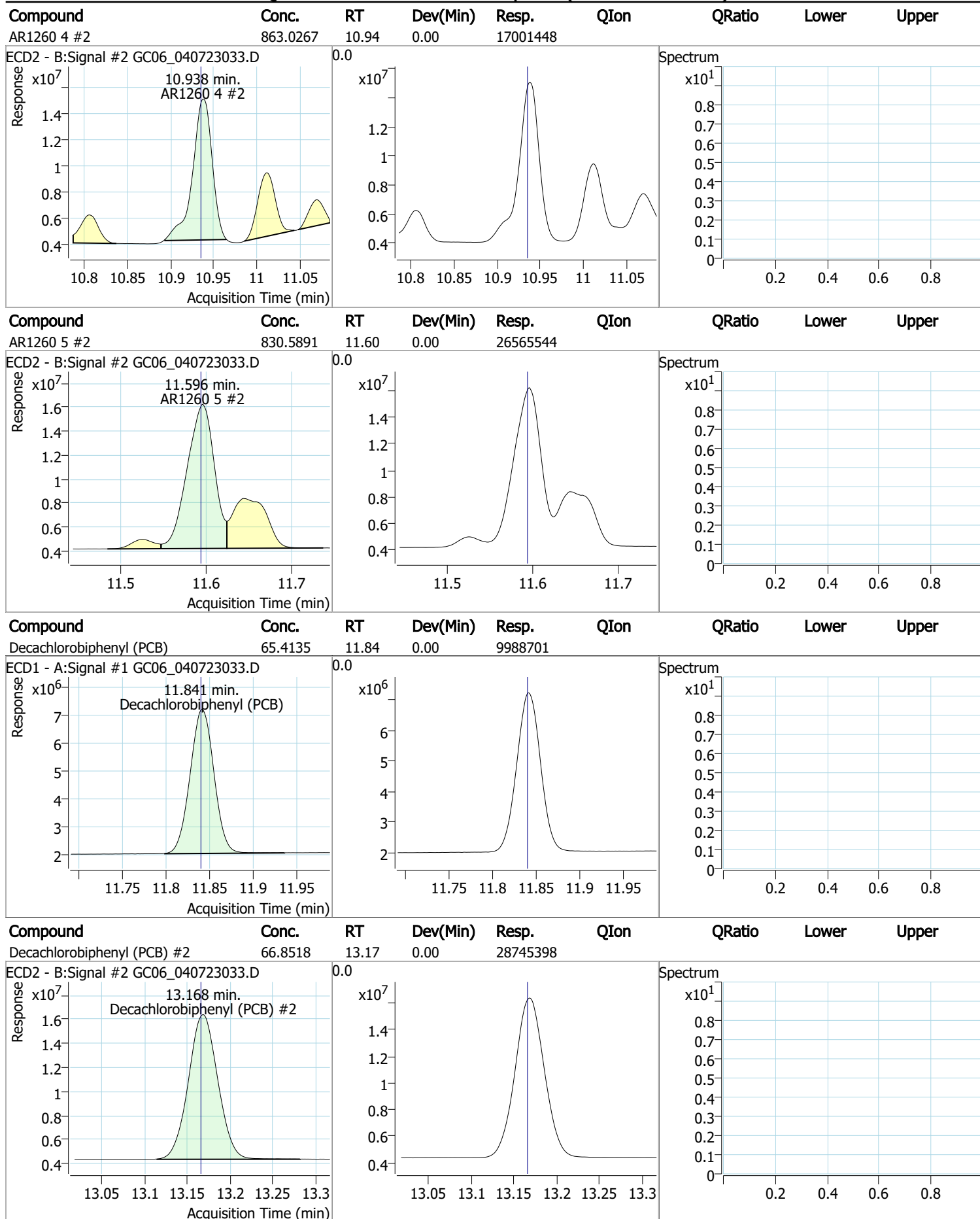
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	825.1179	10.33	0.00	12092152				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	862.3849	10.52	0.00	28957794				



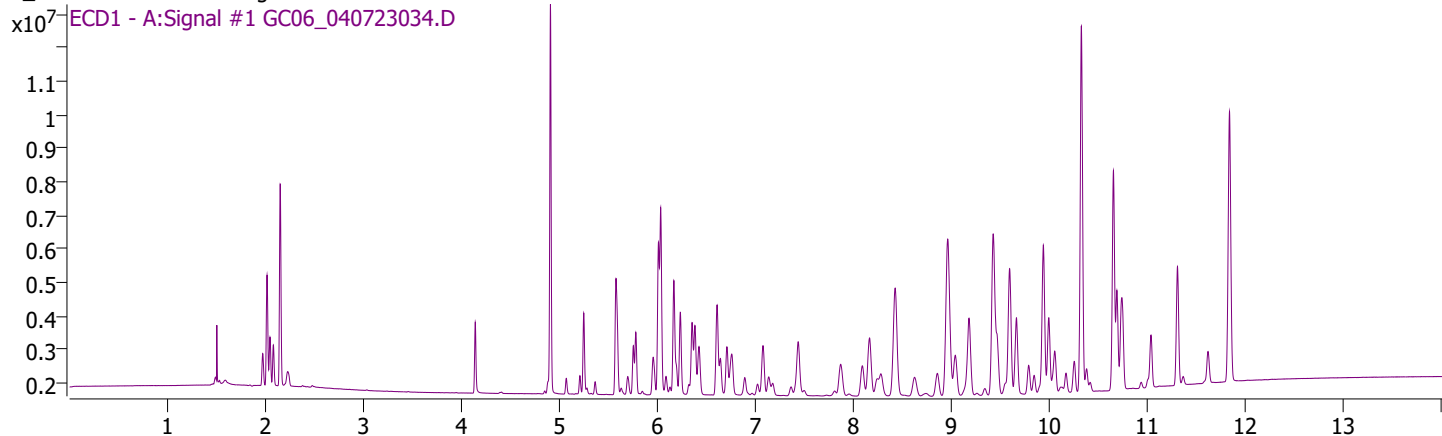
Quantitation Results Report (Not Reviewed)



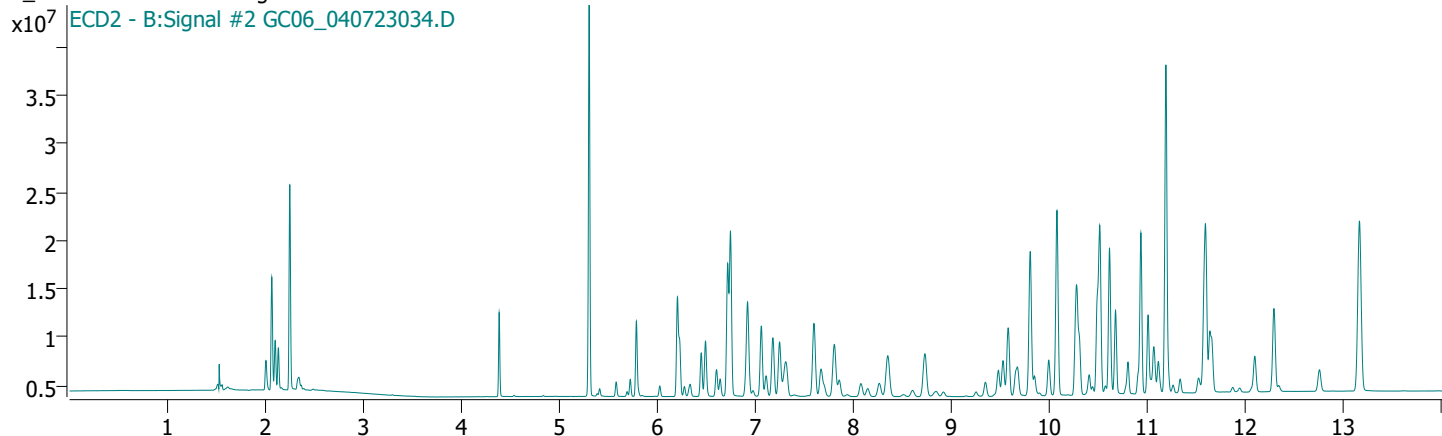
Quantitation Results Report (Not Reviewed)

Data File	GC06_040723034.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 12:56:25 AM
Sample Name	ICAL, S18187	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			

GC06_040723034.D No MS Signals



GC06_040723034.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2125377.32 2	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	7612708.14 7	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.909	0.0	11676971.1 30	107.5682	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 537.84%	*	
S TCMX (PCB) #2	5.304	0.0	42205194.8 39	111.9602	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 559.80%	*	
S Decachlorobiphenyl (PCB)	11.843	0.0	14996569.5 44	100.1298	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 500.65%	*	
S Decachlorobiphenyl (PCB) #2	13.169	0.0	43255297.4 36	102.0964	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 510.48%	*	

Target Compounds

QValue

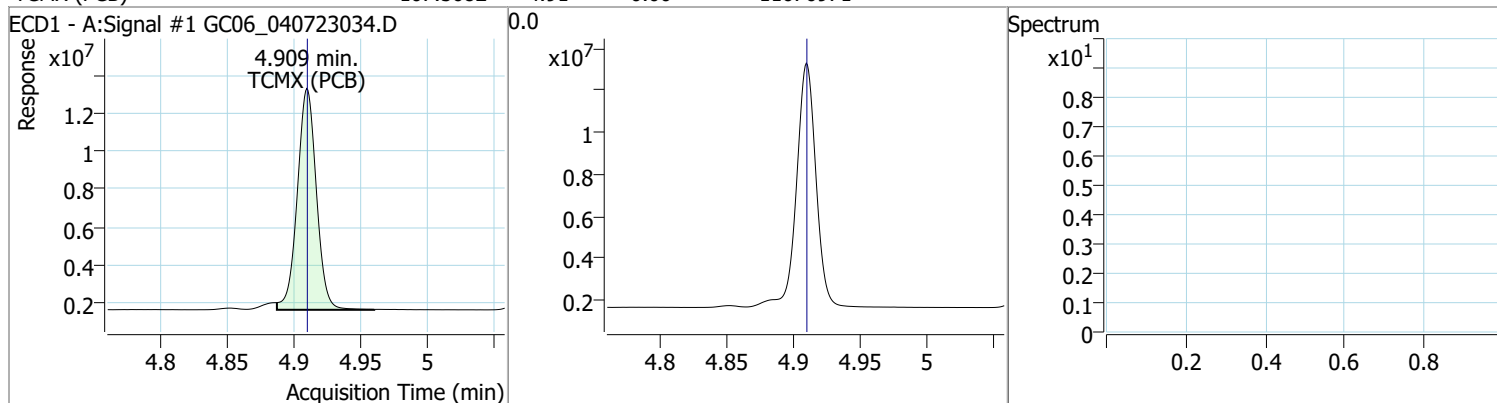
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	2778213.81 1	1256.8309	ng/ml	100
T AR1016 2	5.578	0.0	5840611.61 3	1473.9391	ng/ml	100
T AR1016 1 #2	5.787	0.0	9823941.17 9	1255.4602	ng/ml	100
T AR1016 3	6.035	0.0	7472699.84 5	1484.5900	ng/ml	100
T AR1016 4	6.169	0.0	5500292.96 5	1267.9839	ng/ml	100
T AR1016 2 #2	6.206	0.0	20809537.3 67	1261.0617	ng/ml	100
T AR1016 5	6.355	0.0	3140041.41 1	1234.2272	ng/ml	100
T AR1016 3 #2	6.747	0.0	26620122.9 05	1271.4006	ng/ml	100
T AR1016 4 #2	6.922	0.0	19024538.4 92	1263.0295	ng/ml	100
T AR1016 5 #2	7.599	0.0	15523484.4 68	1251.5348	ng/ml	100
T AR1260 1	8.428	0.0	8765600.93 6	1237.7941	ng/ml	100
T AR1260 2	8.965	0.0	13119176.5 46	1225.7416	ng/ml	100
T AR1260 3	9.430	0.0	14093227.3 06	1310.1357	ng/ml	100
T AR1260 1 #2	9.808	0.0	27769755.4 55	1278.5789	ng/ml	100
T AR1260 4	9.942	0.0	8349770.43 7	1254.1557	ng/ml	100
T AR1260 2 #2	10.081	0.0	32978330.0 18	1227.3278	ng/ml	100
T AR1260 5	10.330	0.0	18276931.9 32	1271.5357	ng/ml	100
T AR1260 3 #2	10.518	0.0	42770124.5 91	1292.7154	ng/ml	100
T AR1260 4 #2	10.938	0.0	24936104.1 64	1284.6762	ng/ml	100
T AR1260 5 #2	11.597	0.0	39940383.6 02	1267.3789	ng/ml	100

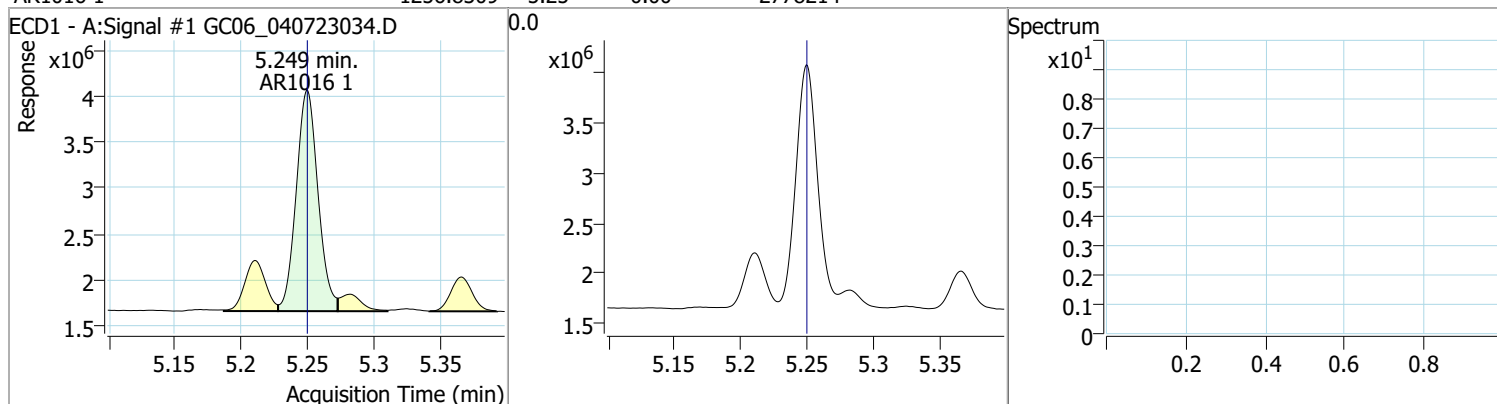
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

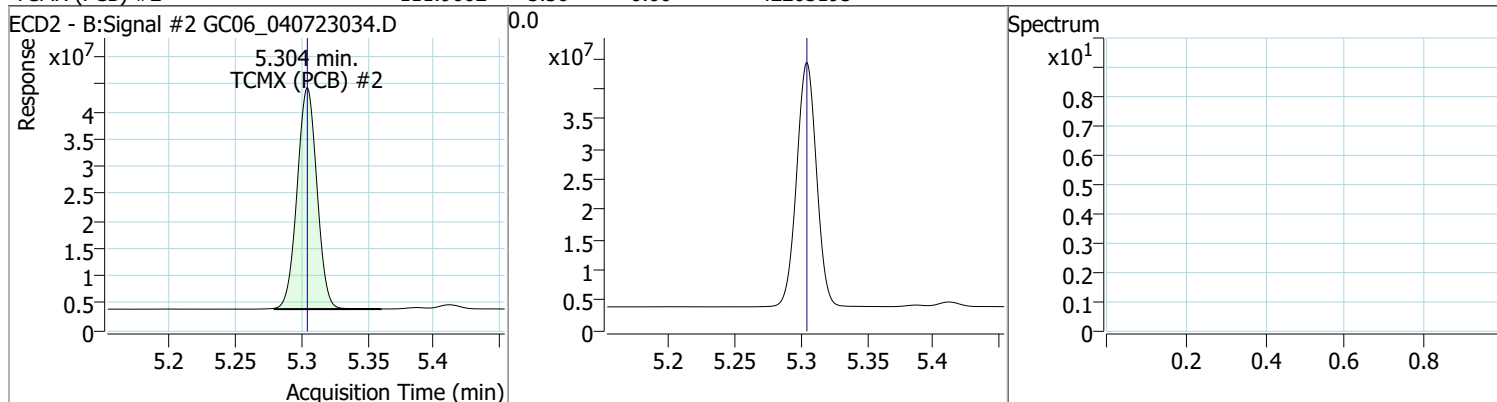
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	107.5682	4.91	0.00	11676971				



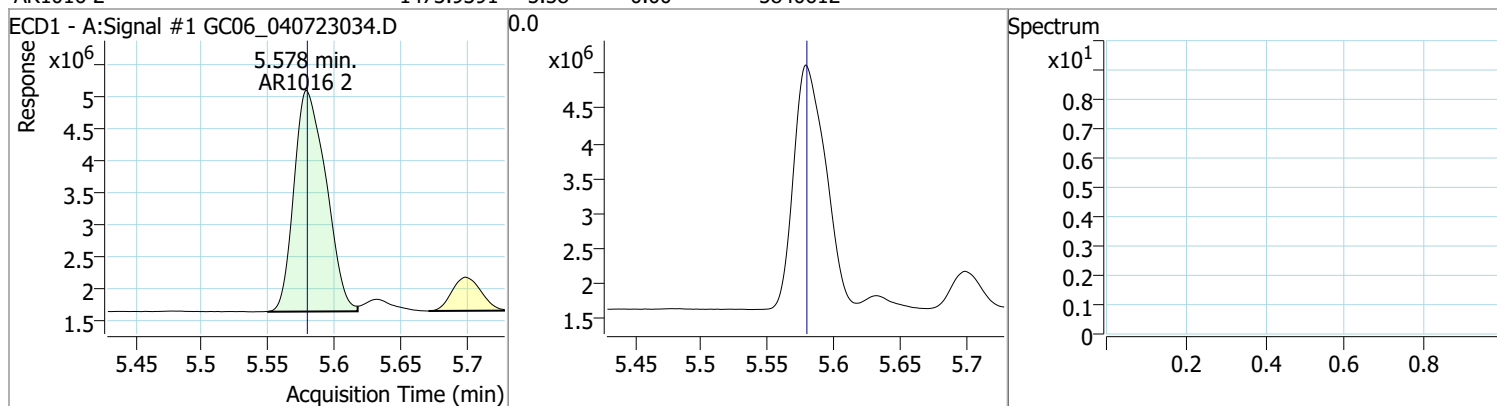
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1256.8309	5.25	0.00	2778214				



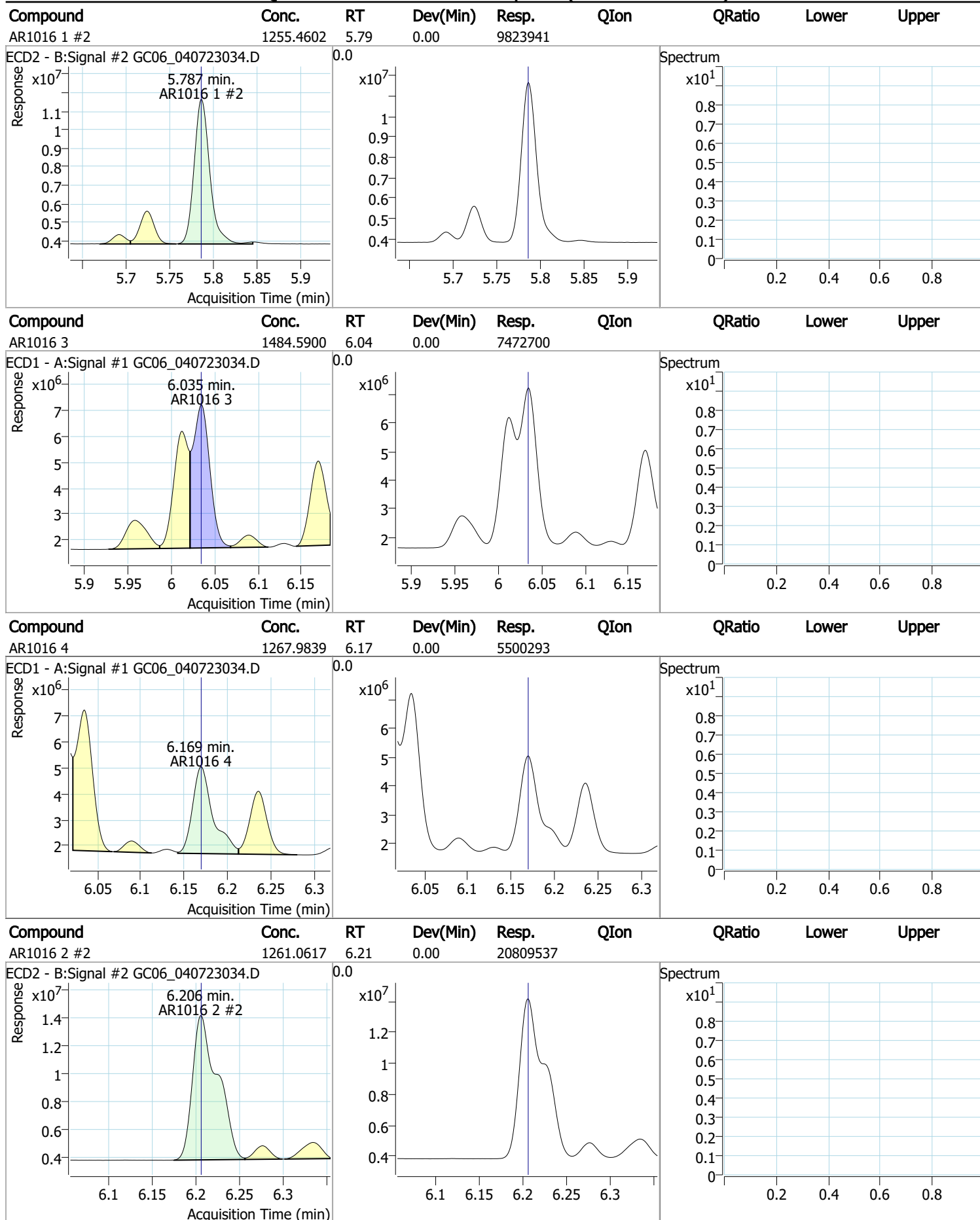
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	111.9602	5.30	0.00	42205195				



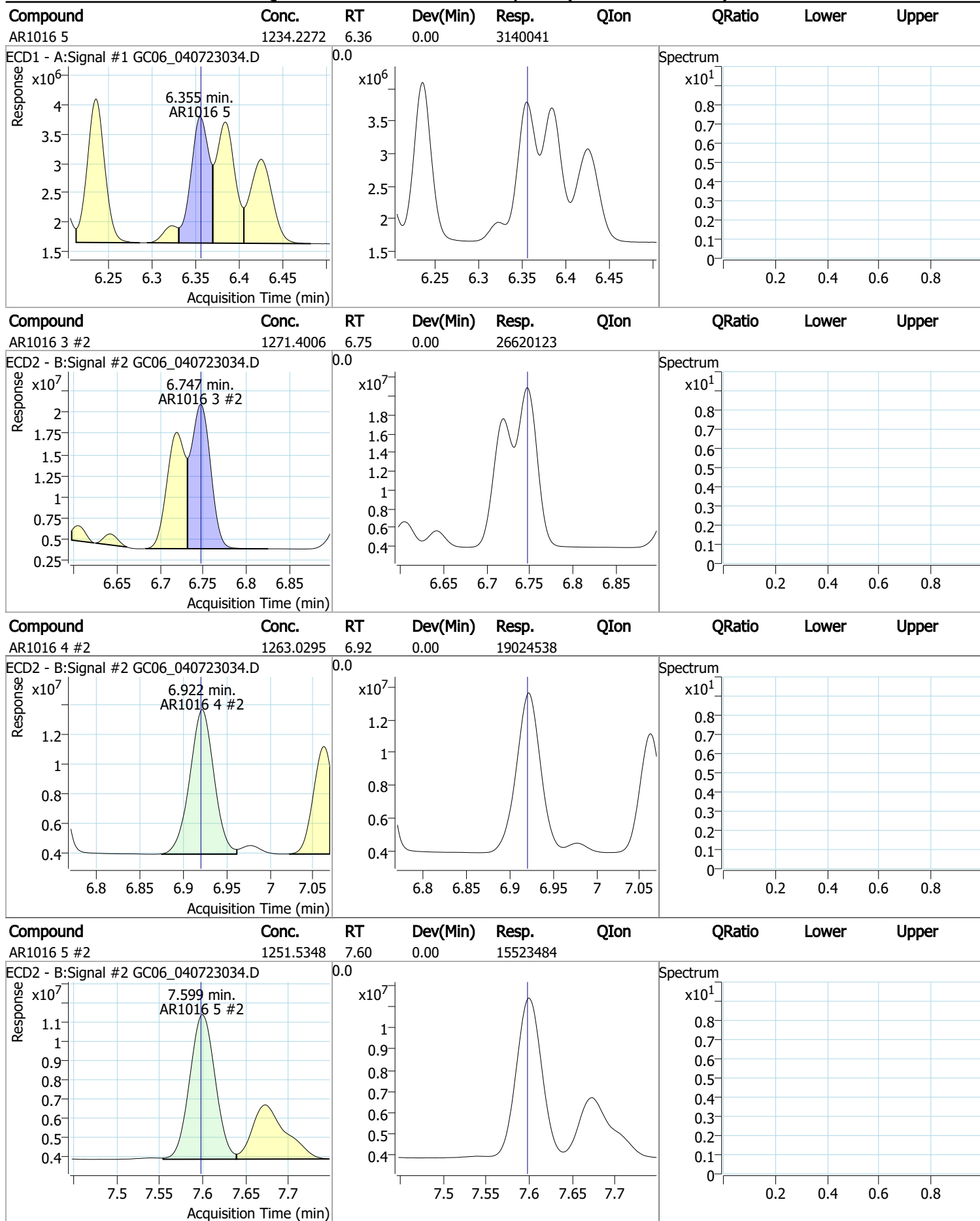
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1473.9391	5.58	0.00	5840612				



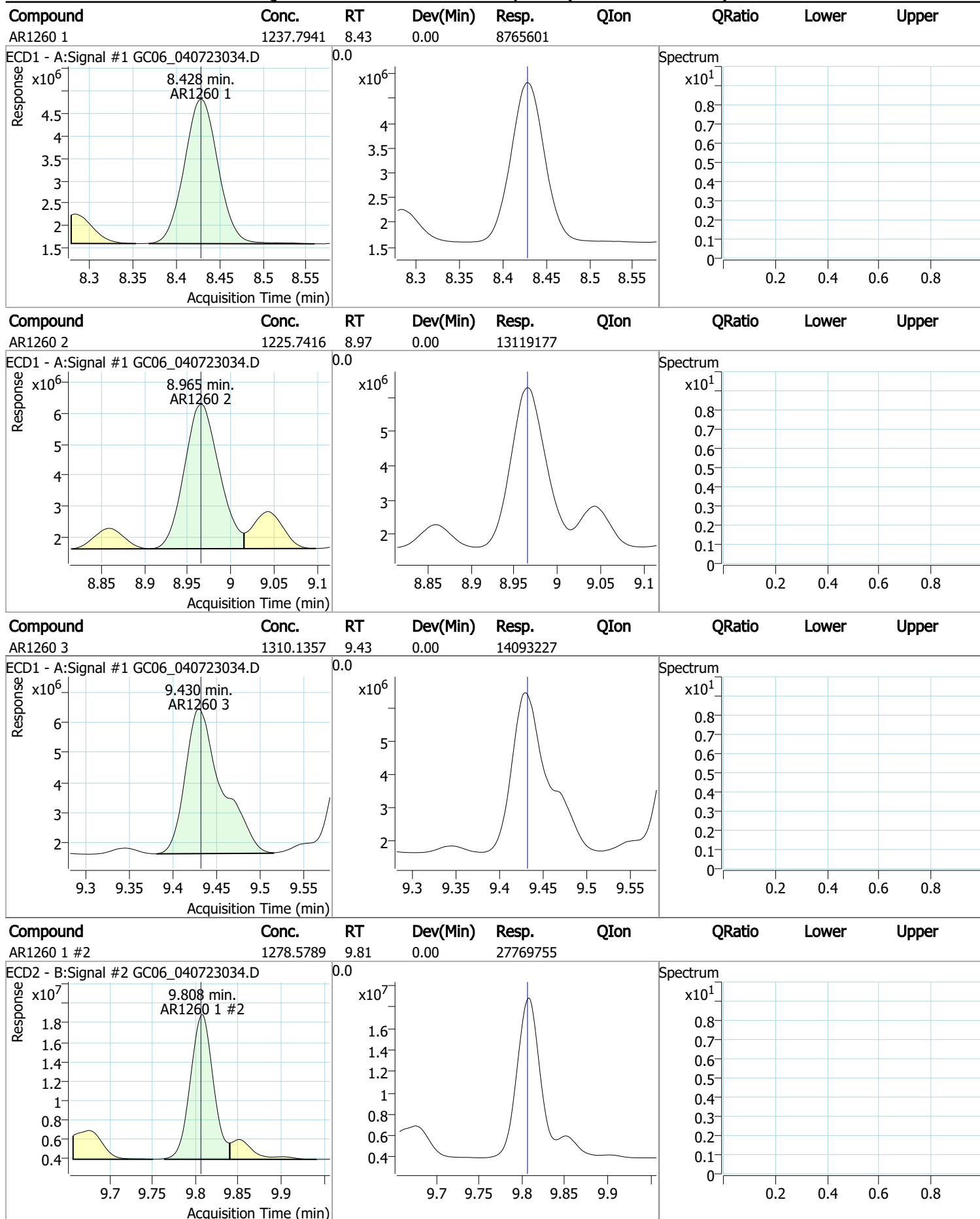
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

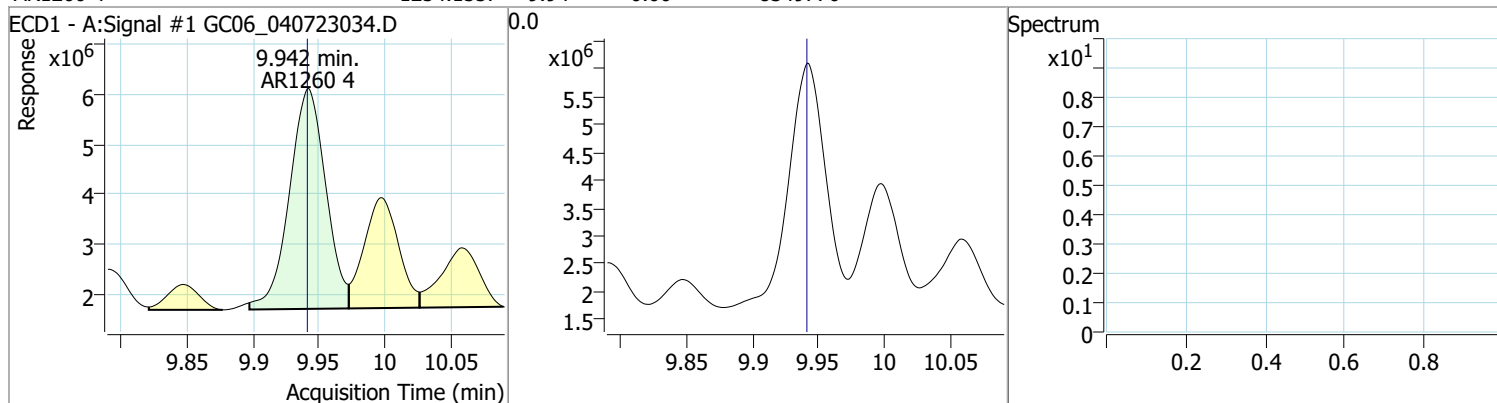


Quantitation Results Report (Not Reviewed)

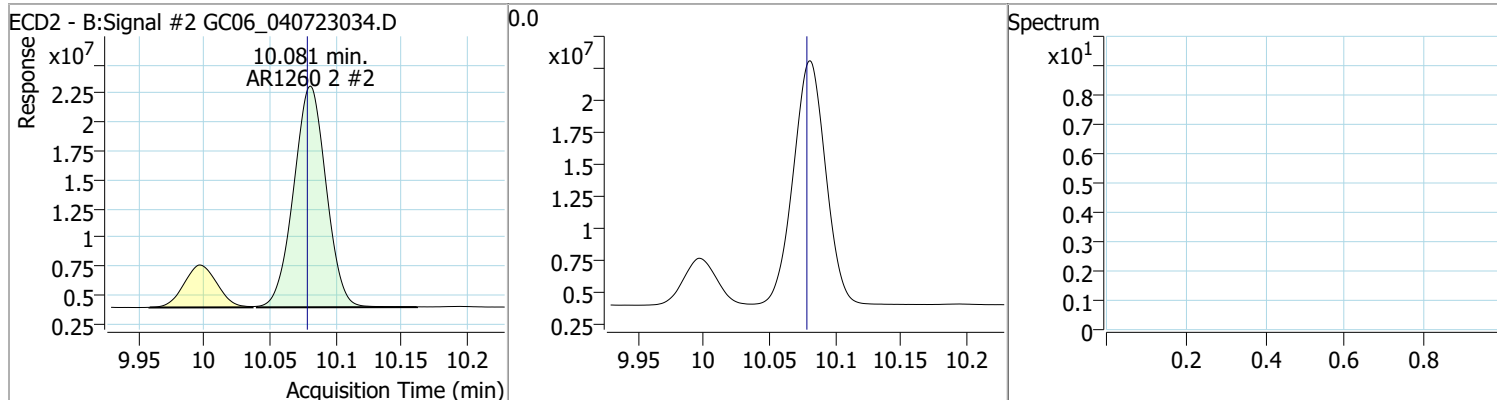


Quantitation Results Report (Not Reviewed)

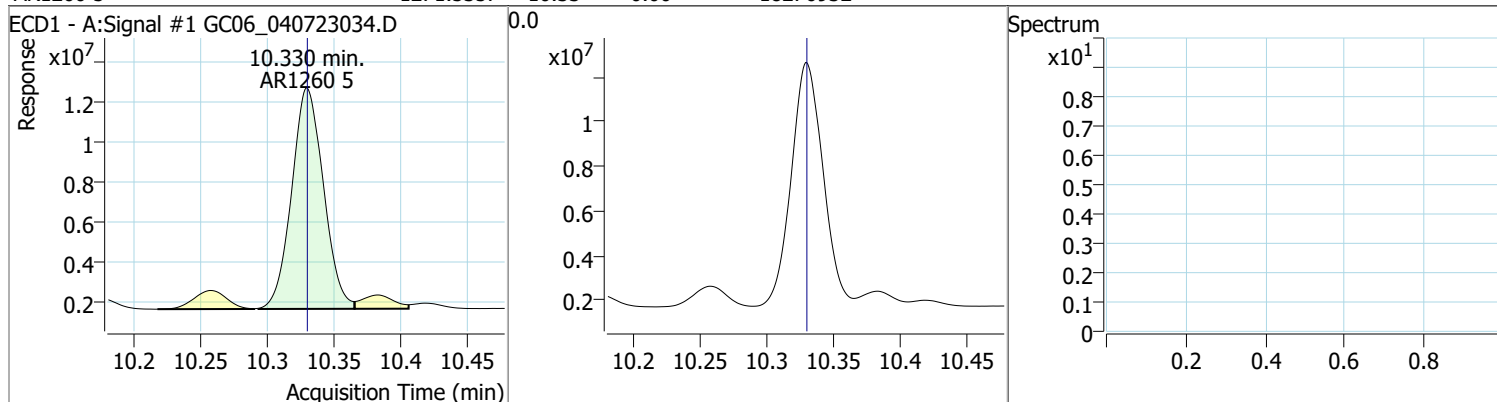
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1254.1557	9.94	0.00	8349770				



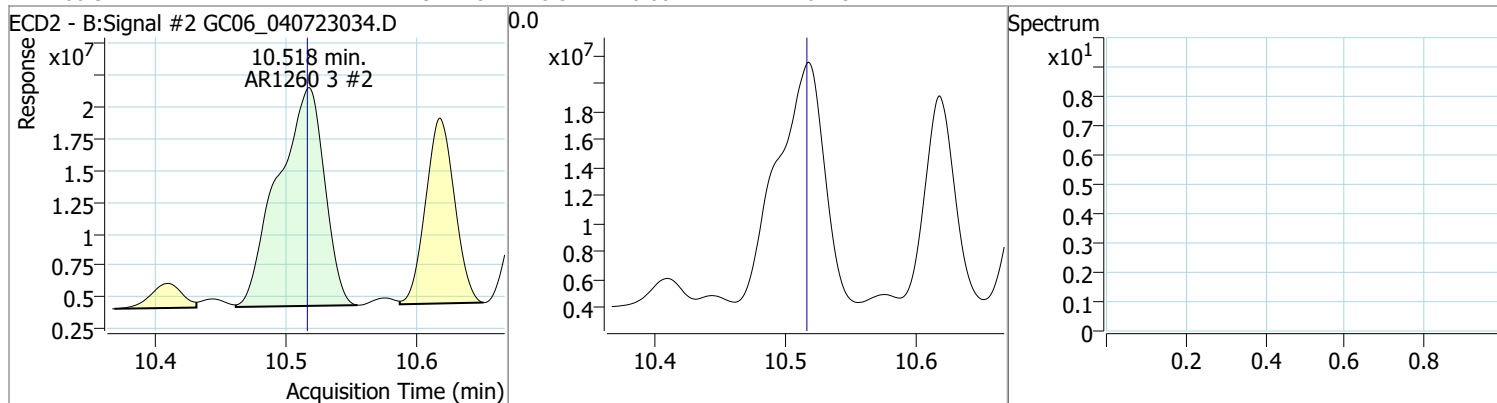
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1227.3278	10.08	0.00	32978330				



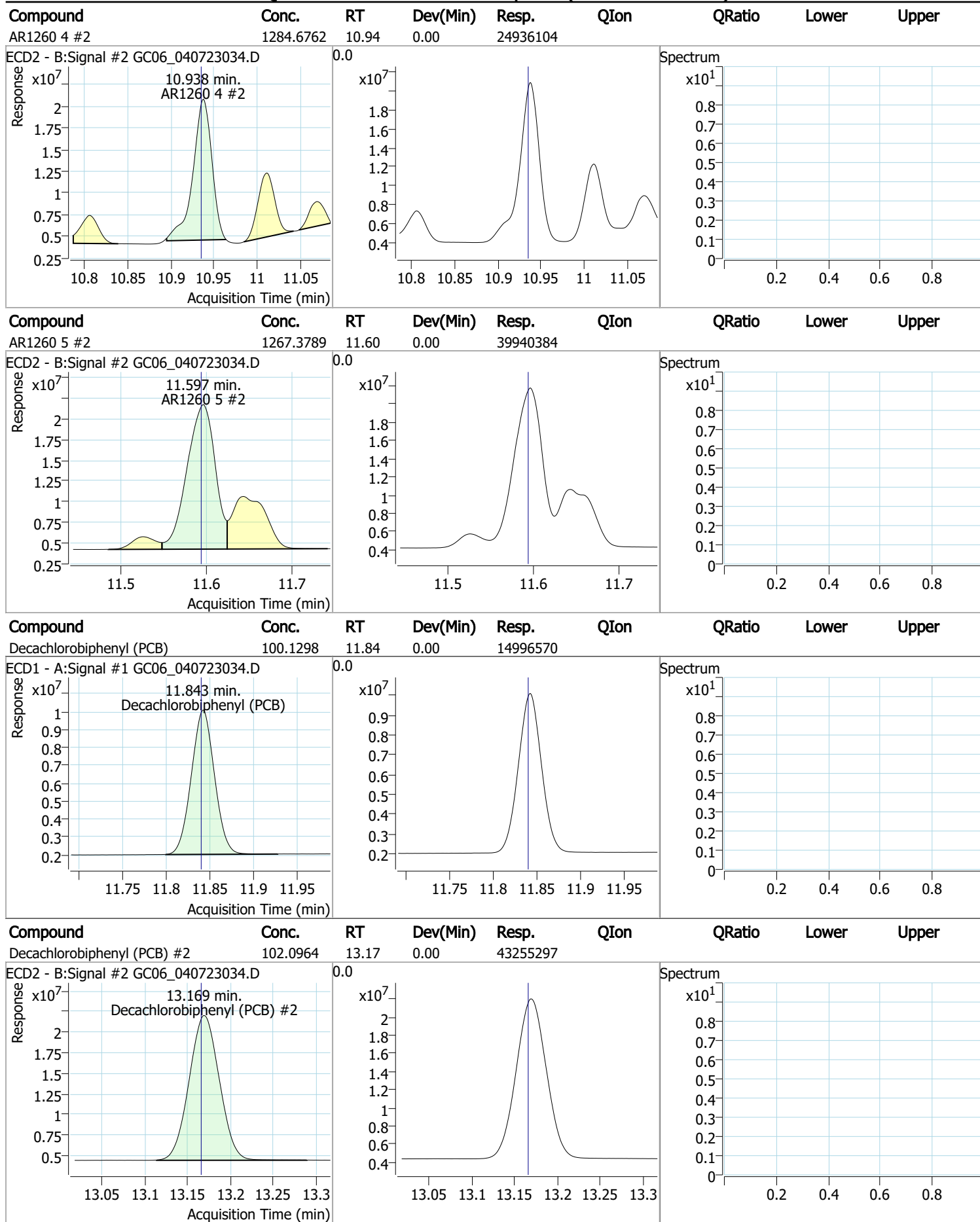
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1271.5357	10.33	0.00	18276932				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1292.7154	10.52	0.00	42770125				



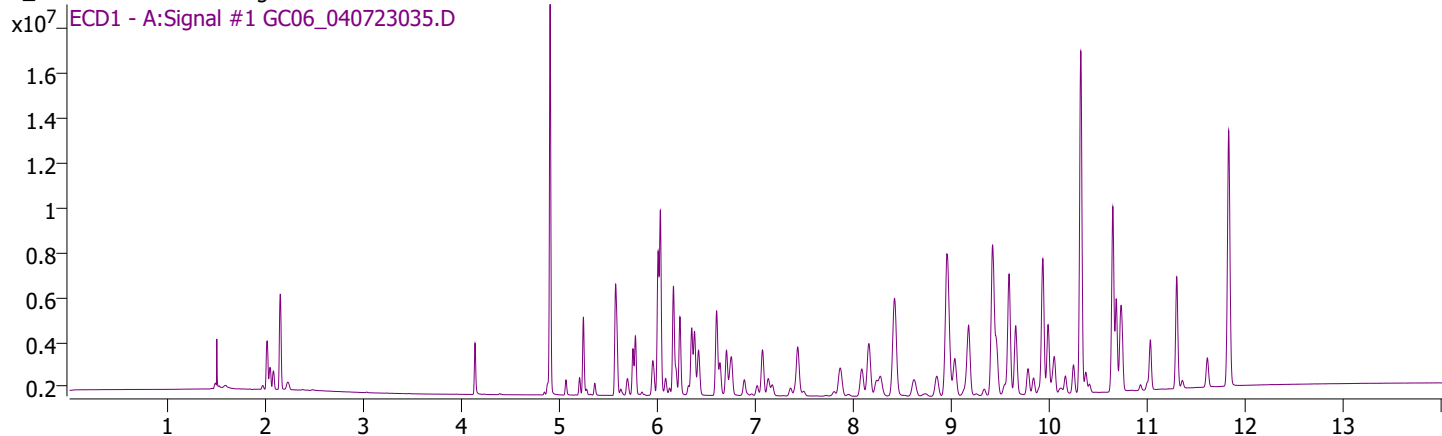
Quantitation Results Report (Not Reviewed)



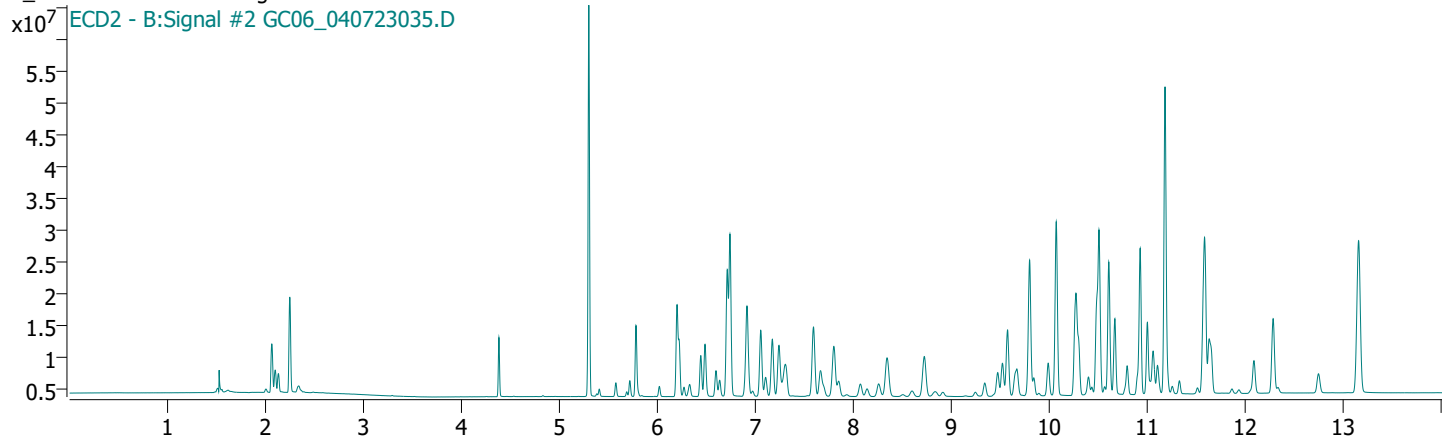
Quantitation Results Report (Not Reviewed)

Data File	GC06_040723035.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 1:14:42 AM
Sample Name	ICAL, S18188	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:05:25 PM
Ref Library			

GC06_040723035.D No MS Signals



GC06_040723035.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2293849.30 1	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	8219954.57 8	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.908	0.0	17474207.4 35	149.1497	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 745.75%	*	
S TCMX (PCB) #2	5.304	0.0	63250976.1 94	155.3942	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 776.97%	*	
S Decachlorobiphenyl (PCB)	11.841	0.0	20605793.5 59	127.4770	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 637.38%	*	
S Decachlorobiphenyl (PCB) #2	13.168	0.0	59229459.7 71	129.4729	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 647.36%	*	

Target Compounds

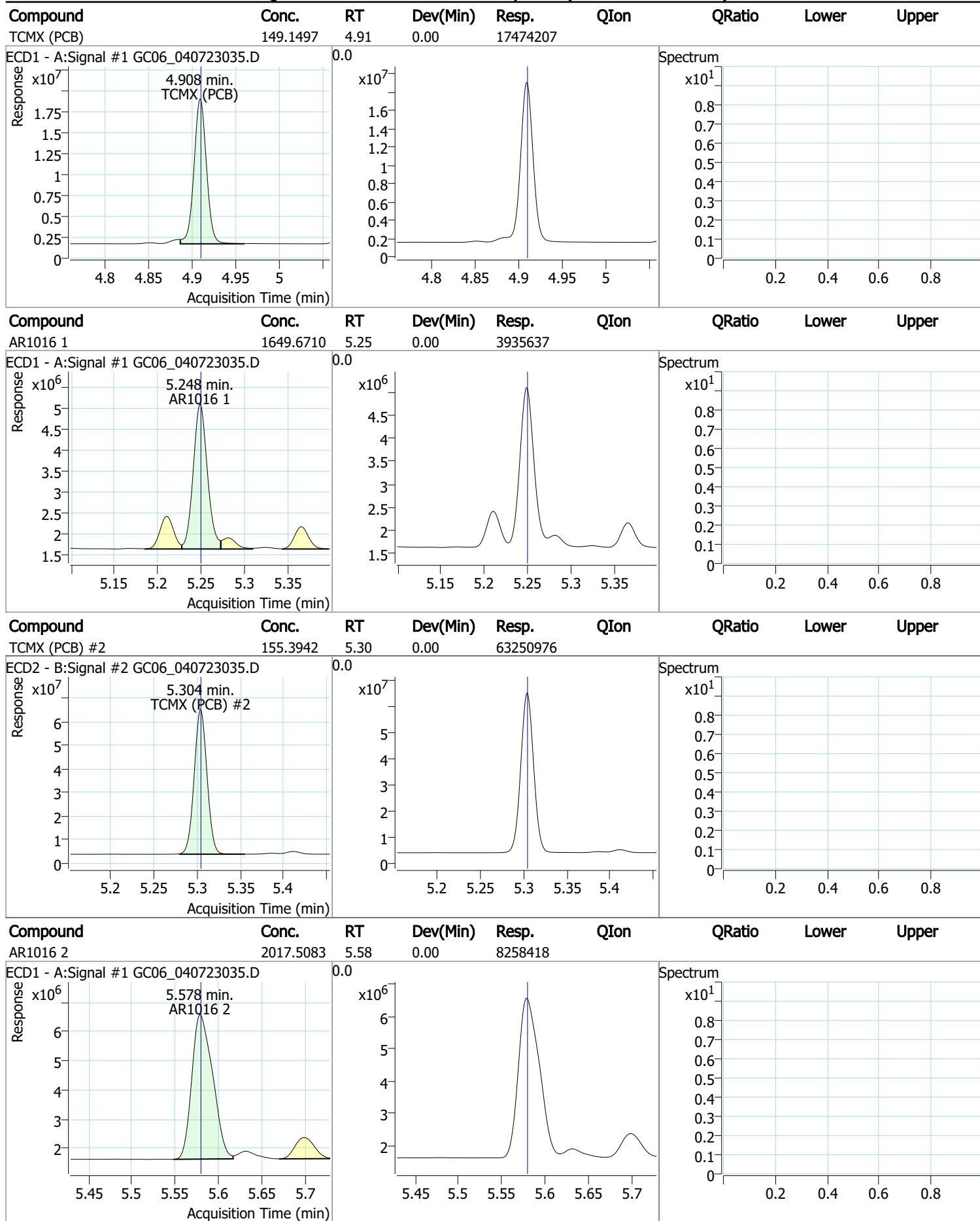
QValue

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.248	0.0	3935636.84 1	1649.6710	ng/ml	100
T AR1016 2	5.578	0.0	8258418.31 2	2017.5083	ng/ml	100
T AR1016 1 #2	5.786	0.0	13970475.2 59	1653.4769	ng/ml	100
T AR1016 3	6.035	0.0	10683676.8 31	2012.3967	ng/ml	100
T AR1016 4	6.169	0.0	7722150.59 6	1649.4432	ng/ml	100
T AR1016 2 #2	6.206	0.0	29740359.1 80	1669.1289	ng/ml	100
T AR1016 5	6.356	0.0	4394360.76 0	1600.3929	ng/ml	100
T AR1016 3 #2	6.746	0.0	39349138.9 22	1740.5134	ng/ml	100
T AR1016 4 #2	6.920	0.0	27209533.5 77	1672.9780	ng/ml	100
T AR1016 5 #2	7.599	0.0	22203515.5 40	1657.8500	ng/ml	100
T AR1260 1	8.427	0.0	11926272.3 18	1560.4239	ng/ml	100
T AR1260 2	8.963	0.0	17720498.1 44	1534.0498	ng/ml	100
T AR1260 3	9.429	0.0	19250166.2 43	1658.1029	ng/ml	100
T AR1260 1 #2	9.808	0.0	39163190.3 69	1669.9494	ng/ml	100
T AR1260 4	9.943	0.0	11409997.4 73	1587.9383	ng/ml	100
T AR1260 2 #2	10.079	0.0	46665289.3 43	1608.4058	ng/ml	100
T AR1260 5	10.330	0.0	25515040.3 73	1644.7227	ng/ml	100
T AR1260 3 #2	10.516	0.0	60576245.3 07	1695.6434	ng/ml	100
T AR1260 4 #2	10.937	0.0	35949575.5 11	1715.2547	ng/ml	100
T AR1260 5 #2	11.594	0.0	54515975.8 57	1602.0933	ng/ml	100

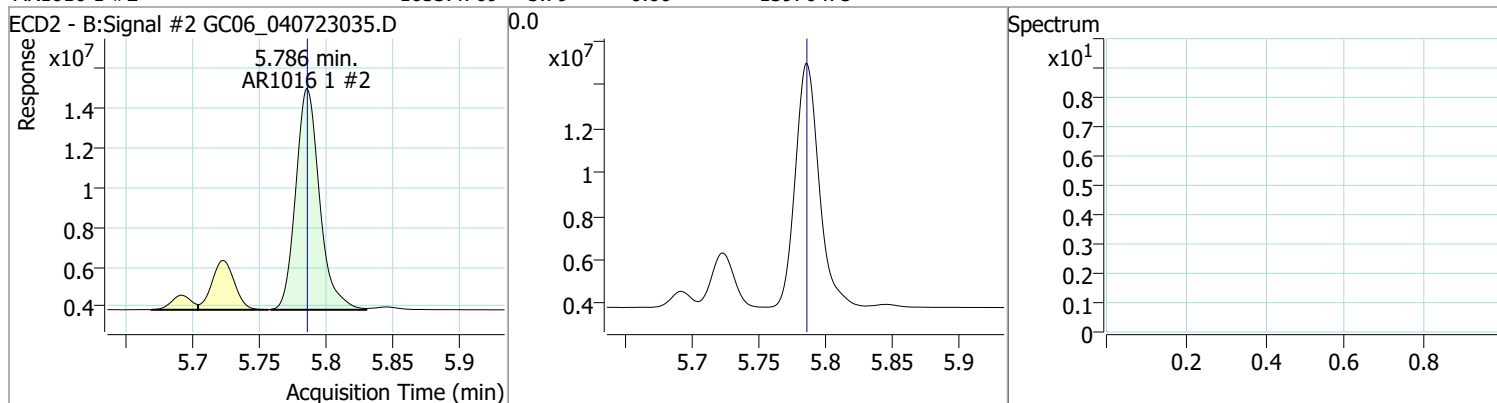
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

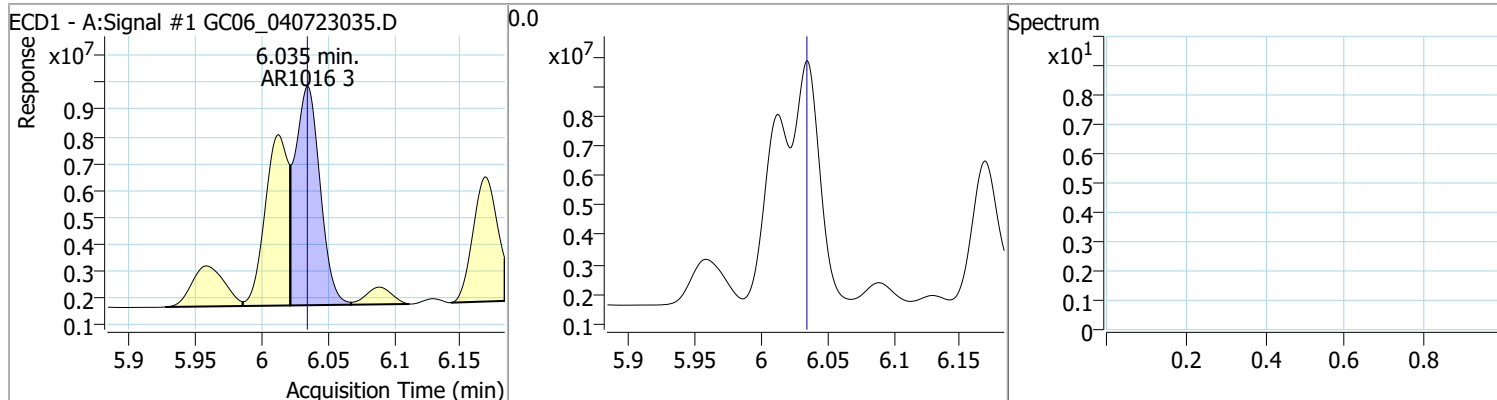


Quantitation Results Report (Not Reviewed)

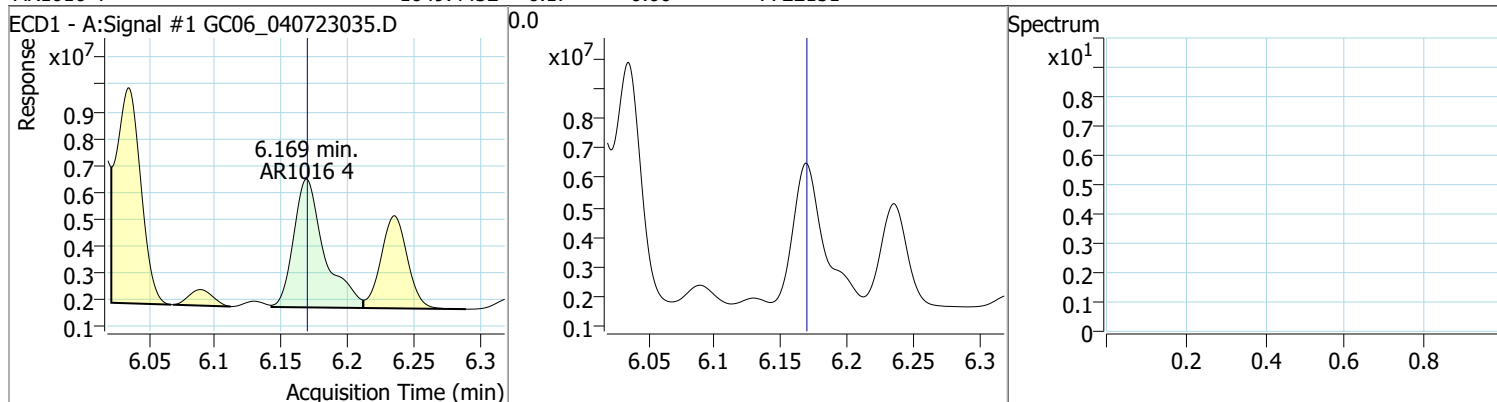
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1653.4769	5.79	0.00	13970475				



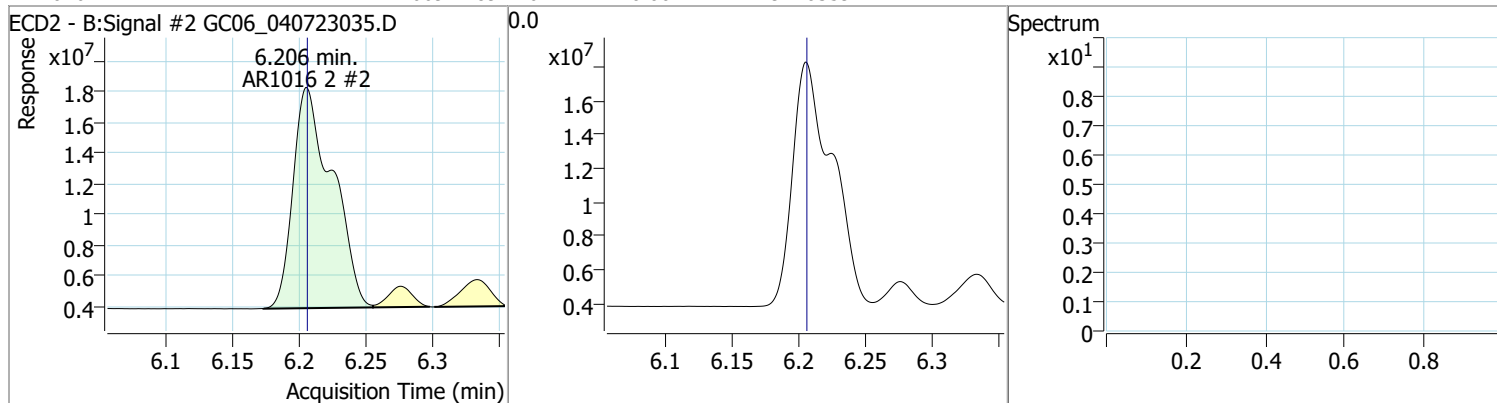
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	2012.3967	6.04	0.00	10683677				



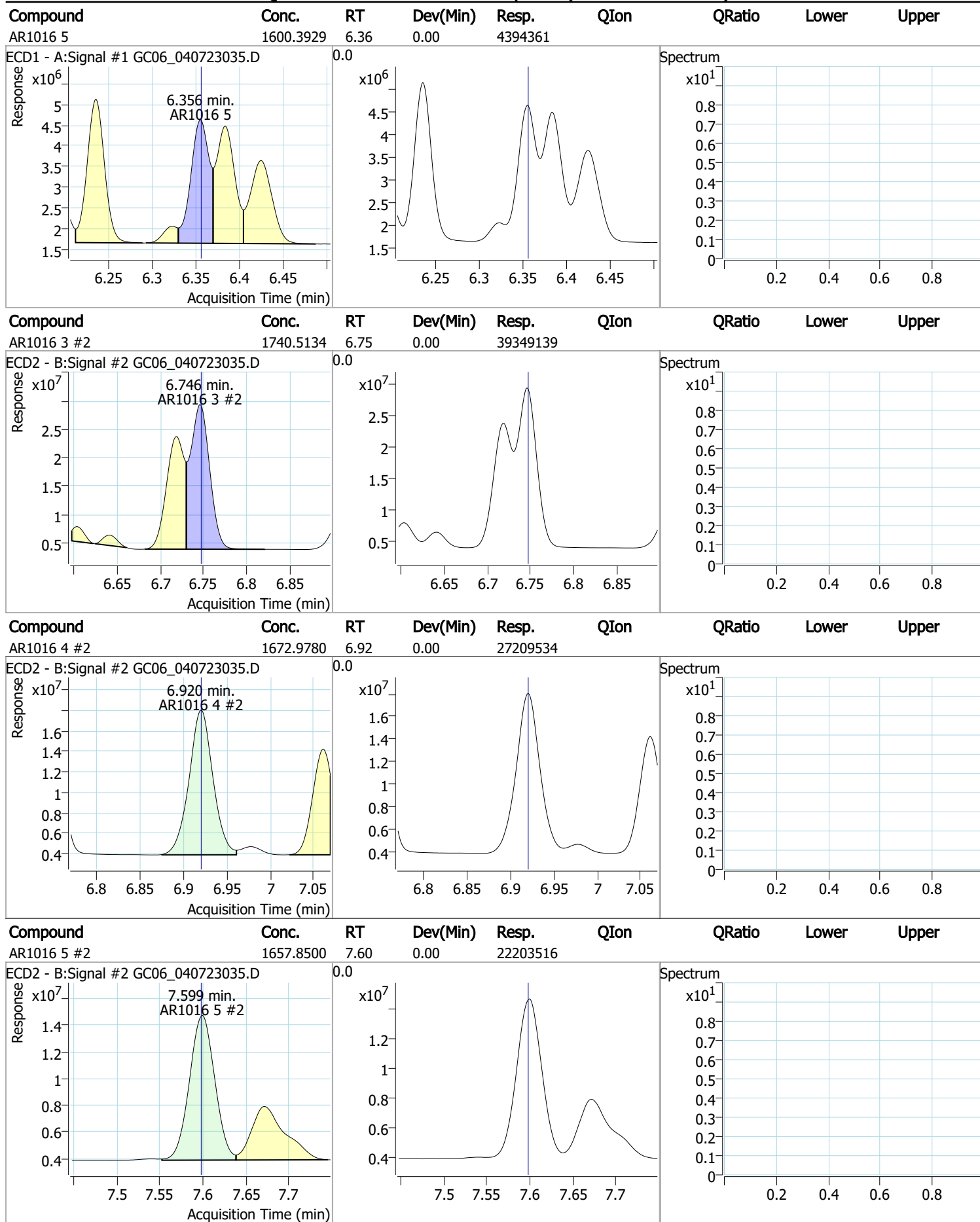
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1649.4432	6.17	0.00	7722151				



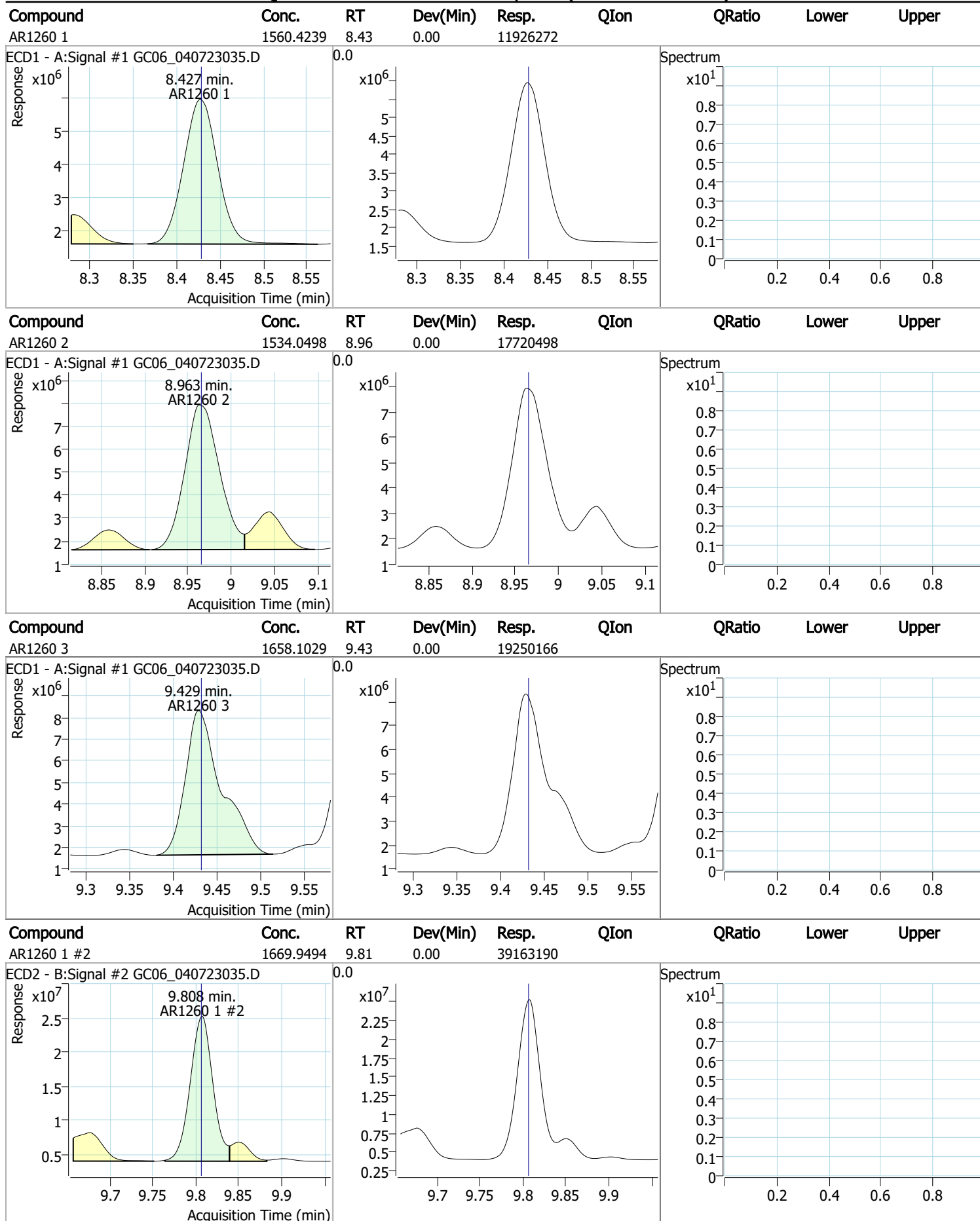
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1669.1289	6.21	0.00	29740359				



Quantitation Results Report (Not Reviewed)

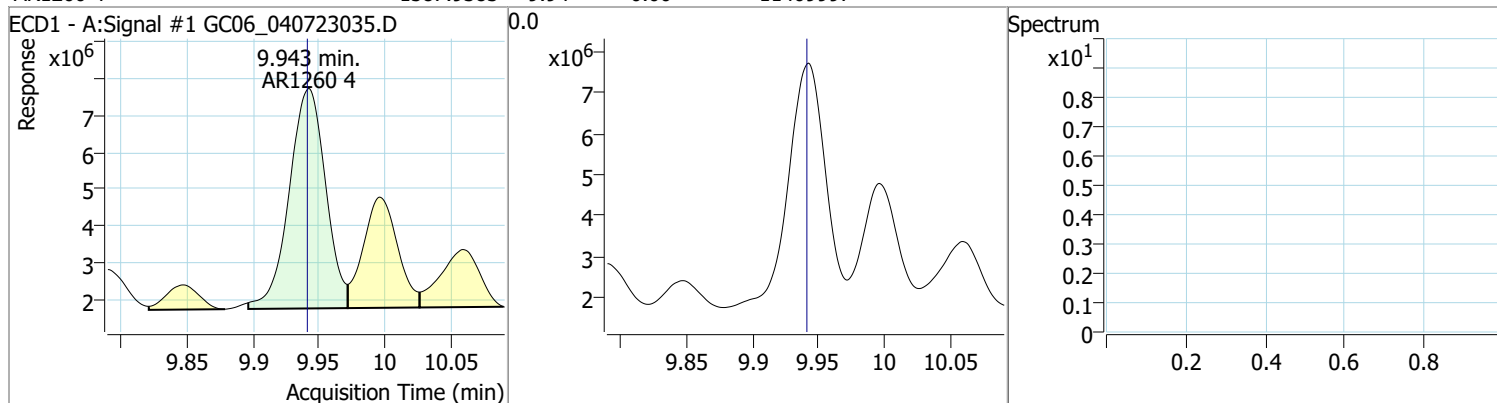


Quantitation Results Report (Not Reviewed)

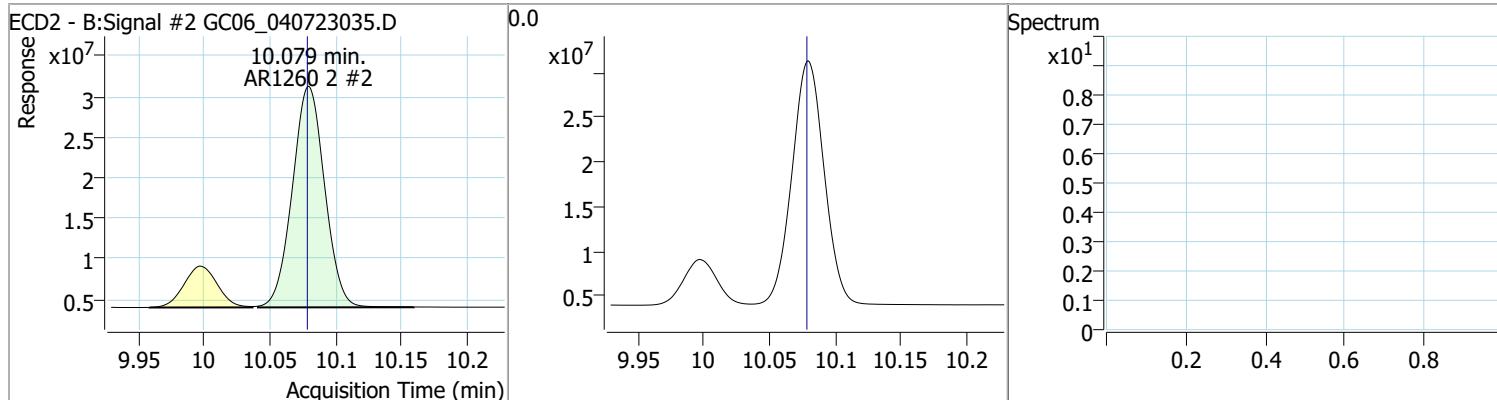


Quantitation Results Report (Not Reviewed)

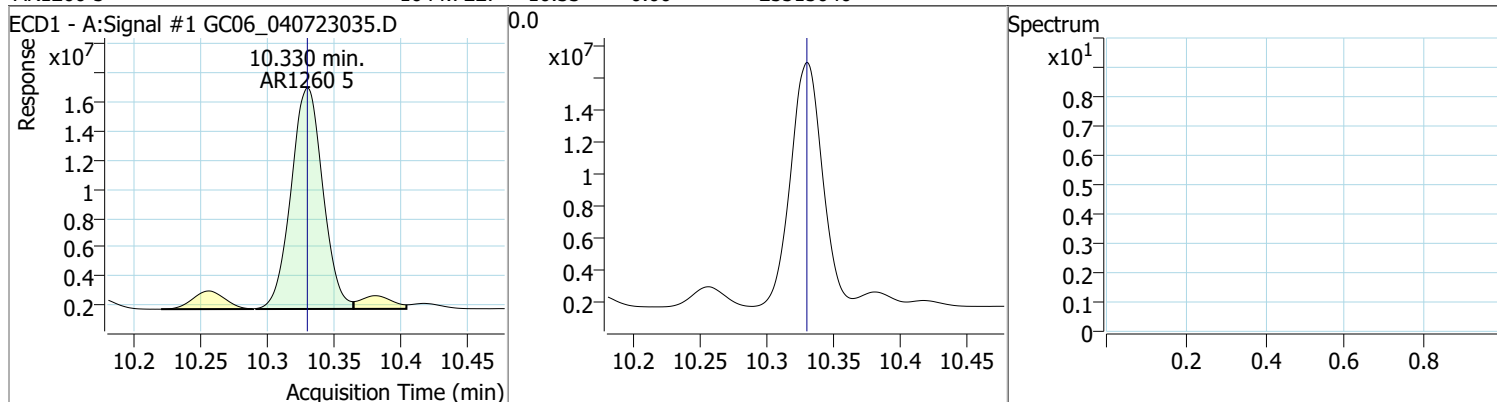
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1587.9383	9.94	0.00	11409997				



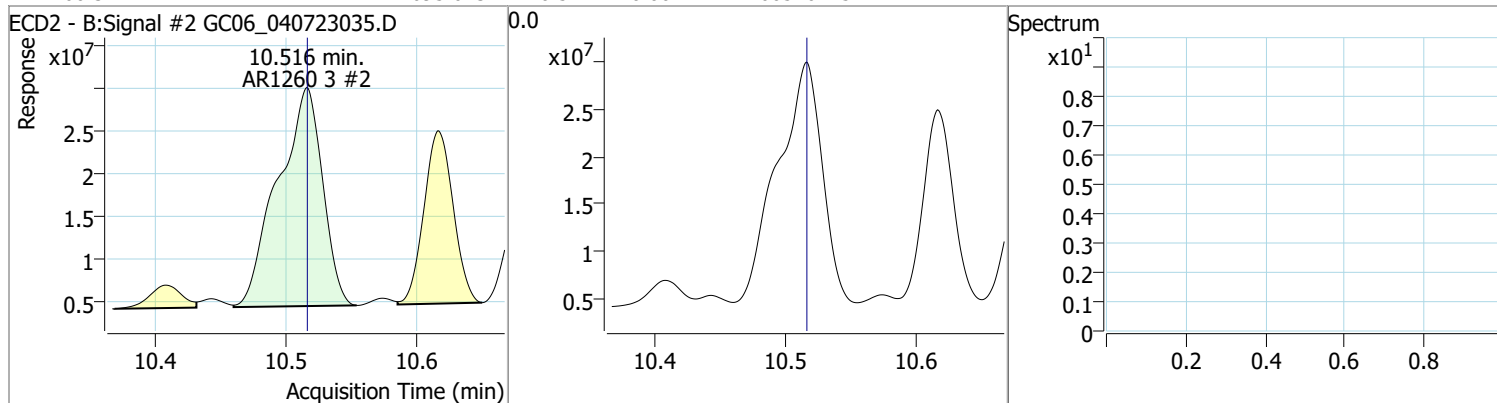
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1608.4058	10.08	0.00	46665289				



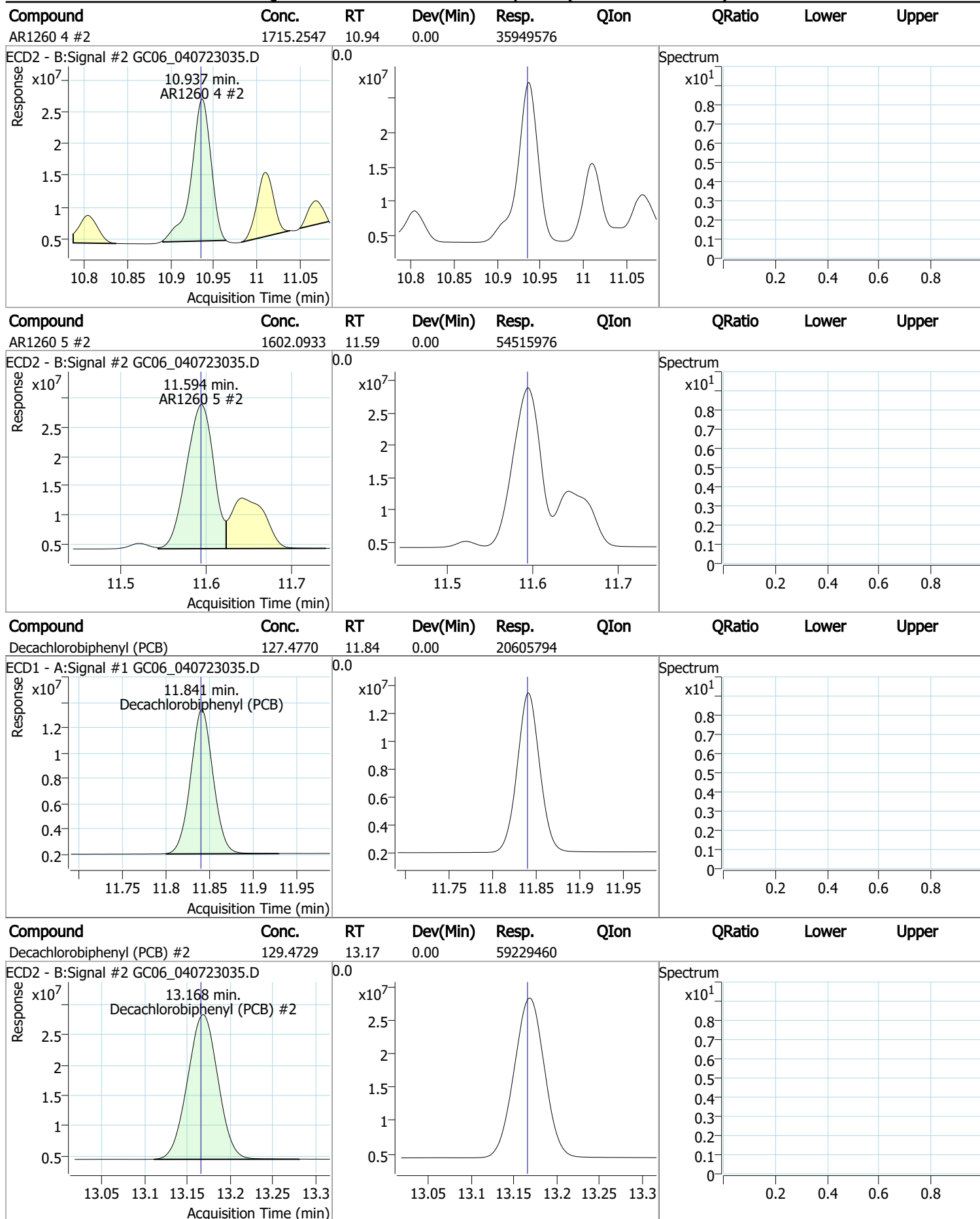
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1644.7227	10.33	0.00	25515040				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1695.6434	10.52	0.00	60576245				



Quantitation Results Report (Not Reviewed)

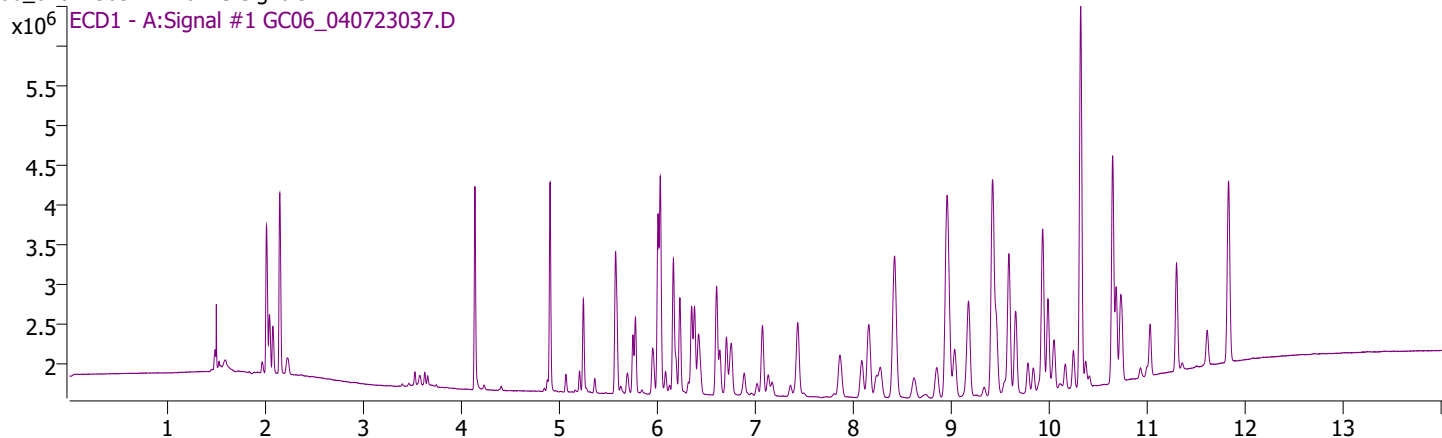


Quantitation Results Report (Not Reviewed)

Data File	GC06_040723037.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	4/8/2023 1:51:10 AM
Sample Name	ICV, S18189	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	040723PCBICAL.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			

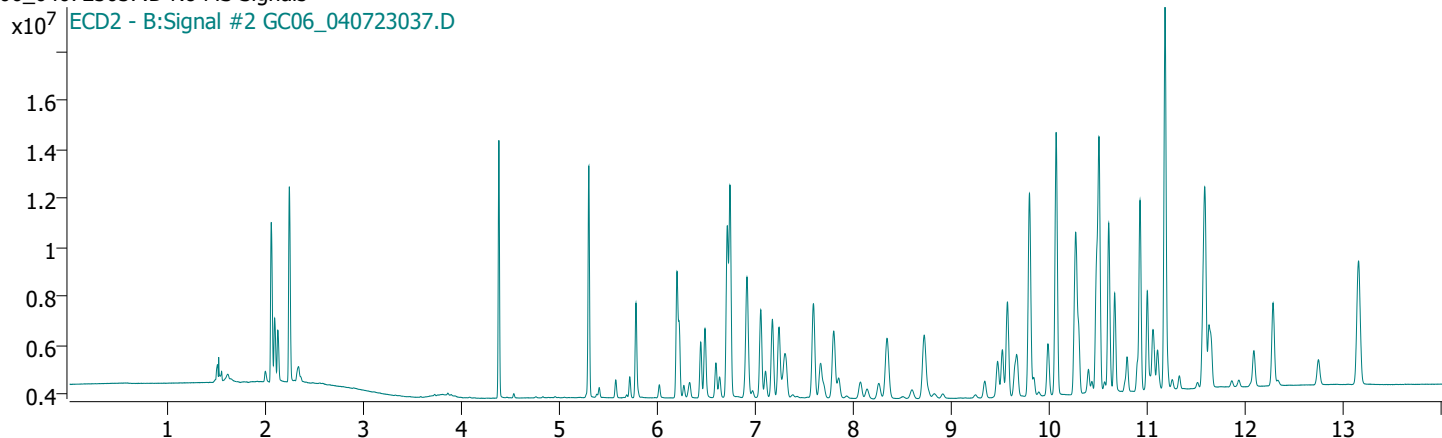
GC06_040723037.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_040723037.D



GC06_040723037.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_040723037.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.142	0.0	2615759.41 0	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.386	0.0	9337003.83 7	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.909	0.0	2776378.37 6	20.7812	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 103.91%			
S TCMX (PCB) #2	5.305	0.0	9892123.93 5	21.3953	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 106.98%			
S Decachlorobiphenyl (PCB)	11.842	0.0	4282358.13 2	23.2323	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 116.16%			
S Decachlorobiphenyl (PCB) #2	13.170	0.0	12440559.6 01	23.9410	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%		Recovery = 119.71%			

Target Compounds

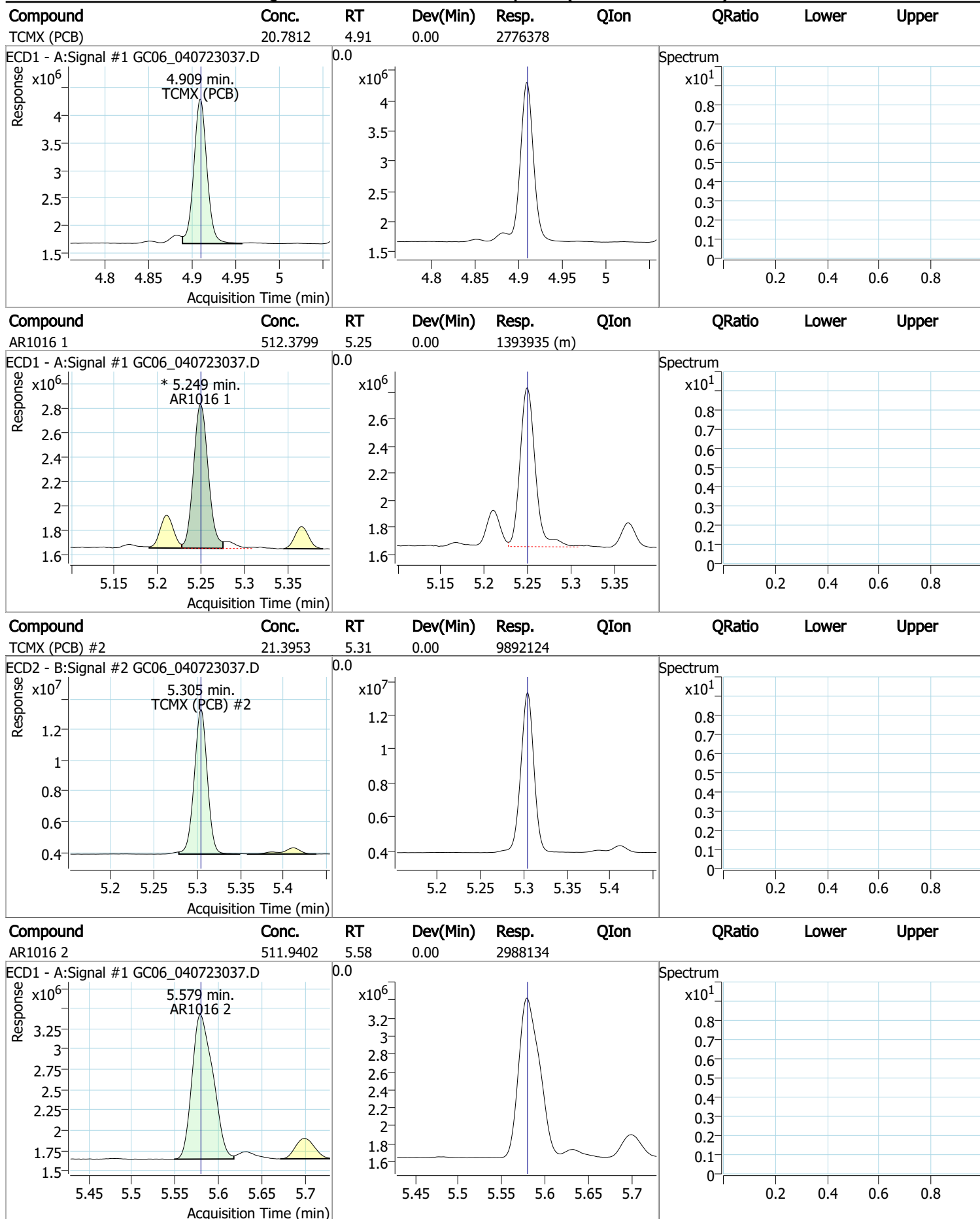
QValue

Quantitation Results Report (Not Reviewed)

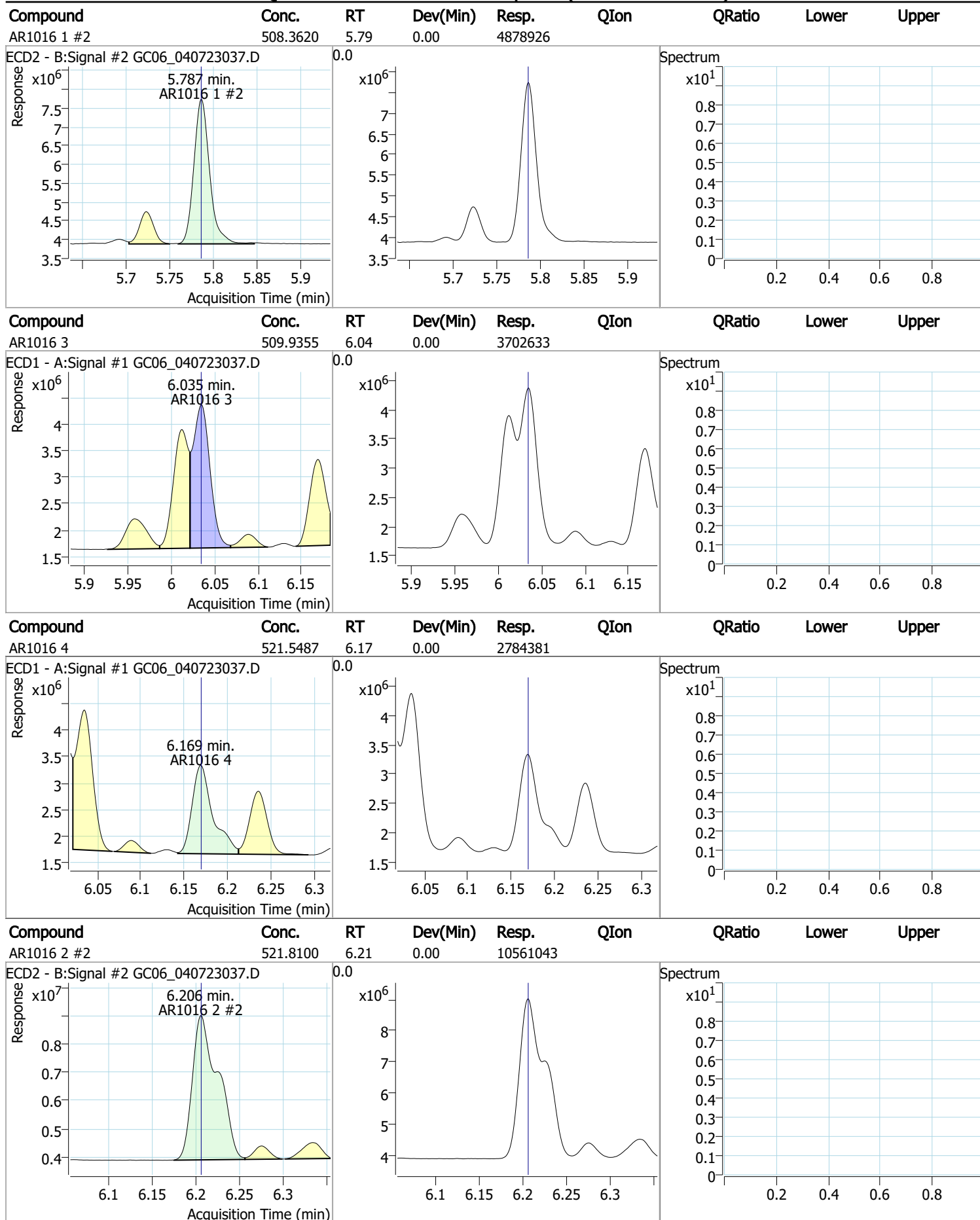
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.249	0.0	1393935.36 2	512.3799	ng/ml m	100
T AR1016 2	5.579	0.0	2988134.27 9	511.9402	ng/ml	100
T AR1016 1 #2	5.787	0.0	4878926.16 7	508.3620	ng/ml	100
T AR1016 3	6.035	0.0	3702632.70 6	509.9355	ng/ml	100
T AR1016 4	6.169	0.0	2784381.37 2	521.5487	ng/ml	100
T AR1016 2 #2	6.206	0.0	10561043.2 40	521.8100	ng/ml	100
T AR1016 5	6.355	0.0	1611628.19 9	514.7103	ng/ml m	100
T AR1016 3 #2	6.747	0.0	13346915.9 52	519.7386	ng/ml	100
T AR1016 4 #2	6.921	0.0	9530892.88 1	515.8989	ng/ml	100
T AR1016 5 #2	7.599	0.0	7782054.98 4	511.5401	ng/ml	100
T AR1260 1	8.429	0.0	4846701.06 5	556.0978	ng/ml	100
T AR1260 2	8.965	0.0	7251114.52 0	550.4722	ng/ml	100
T AR1260 3	9.430	0.0	7831907.80 0	591.5775	ng/ml	100
T AR1260 1 #2	9.807	0.0	15357373.2 52	576.5063	ng/ml	100
T AR1260 4	9.942	0.0	3943896.69 2	481.3275	ng/ml	100
T AR1260 2 #2	10.079	0.0	18286668.1 18	554.8788	ng/ml	100
T AR1260 5	10.330	0.0	8237052.96 6	465.6240	ng/ml	100
T AR1260 3 #2	10.517	0.0	24191655.2 46	596.1556	ng/ml	100
T AR1260 4 #2	10.937	0.0	12167277.1 37	511.0815	ng/ml	100
T AR1260 5 #2	11.598	0.0	18306510.2 65	473.6216	ng/ml	100

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

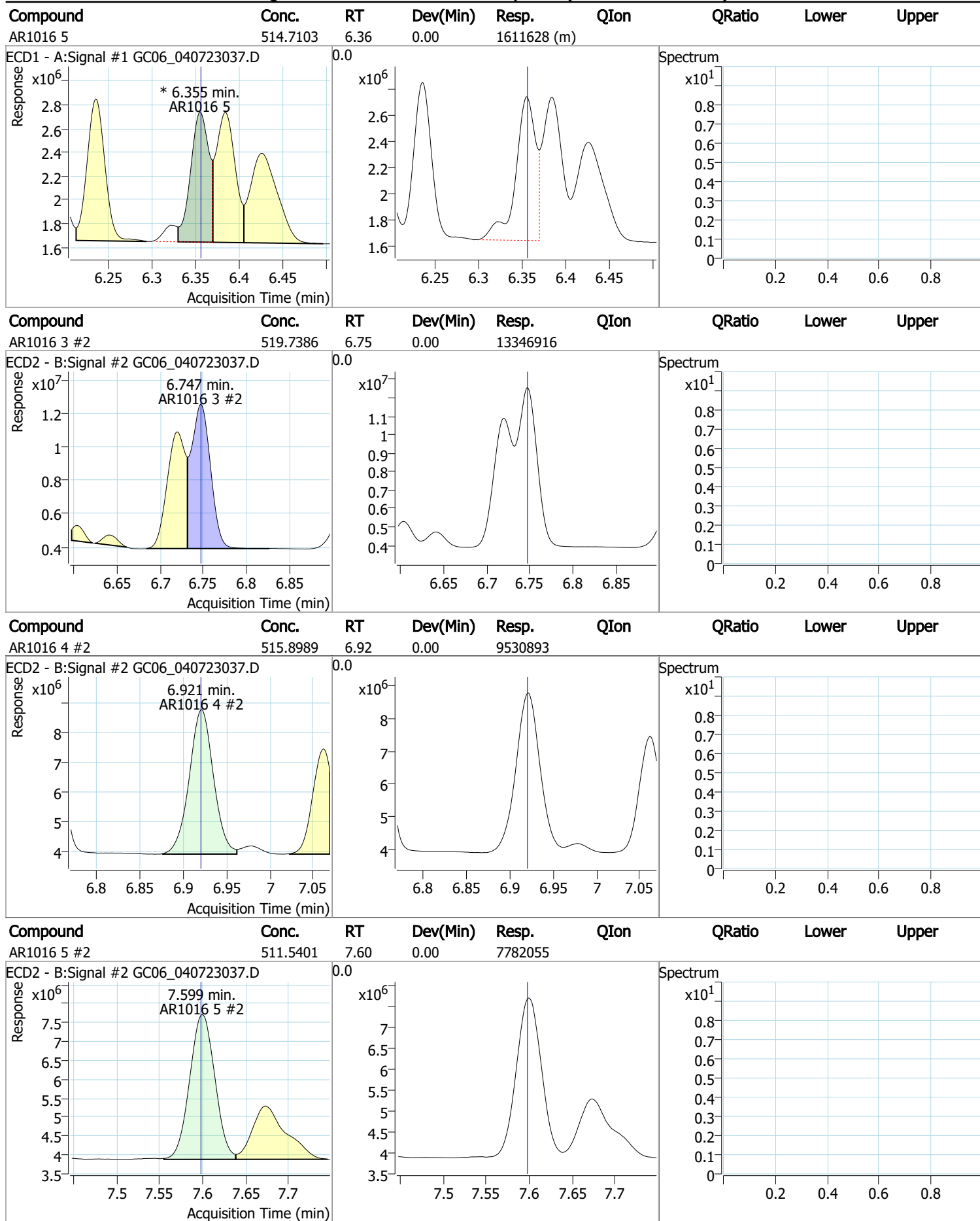
Quantitation Results Report (Not Reviewed)



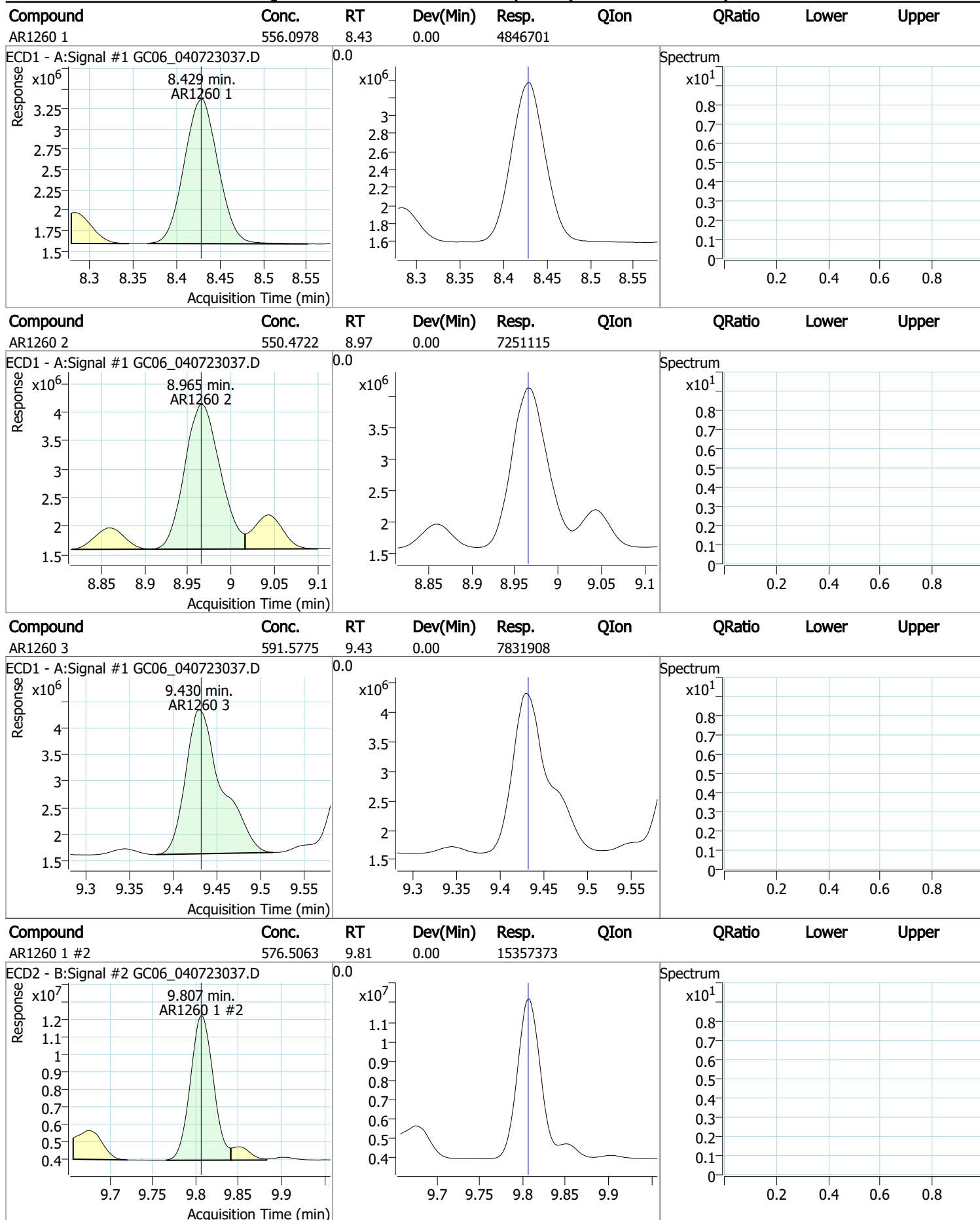
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

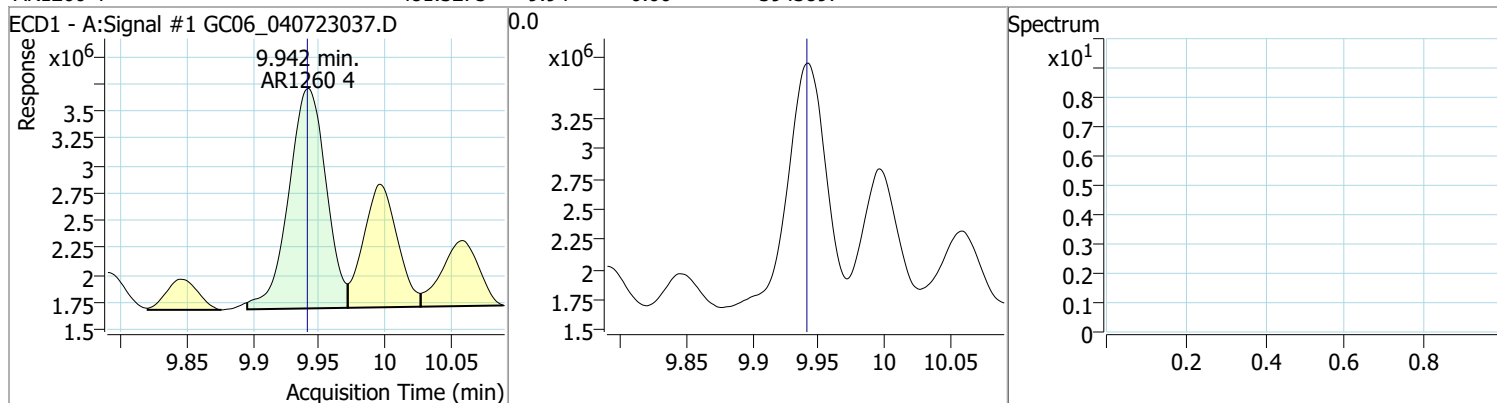


Quantitation Results Report (Not Reviewed)

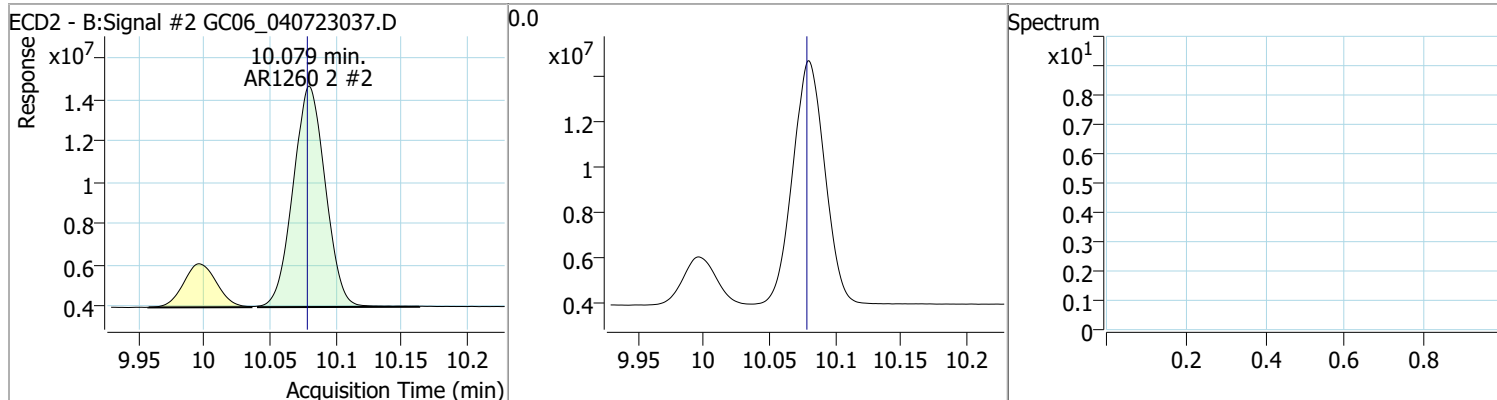


Quantitation Results Report (Not Reviewed)

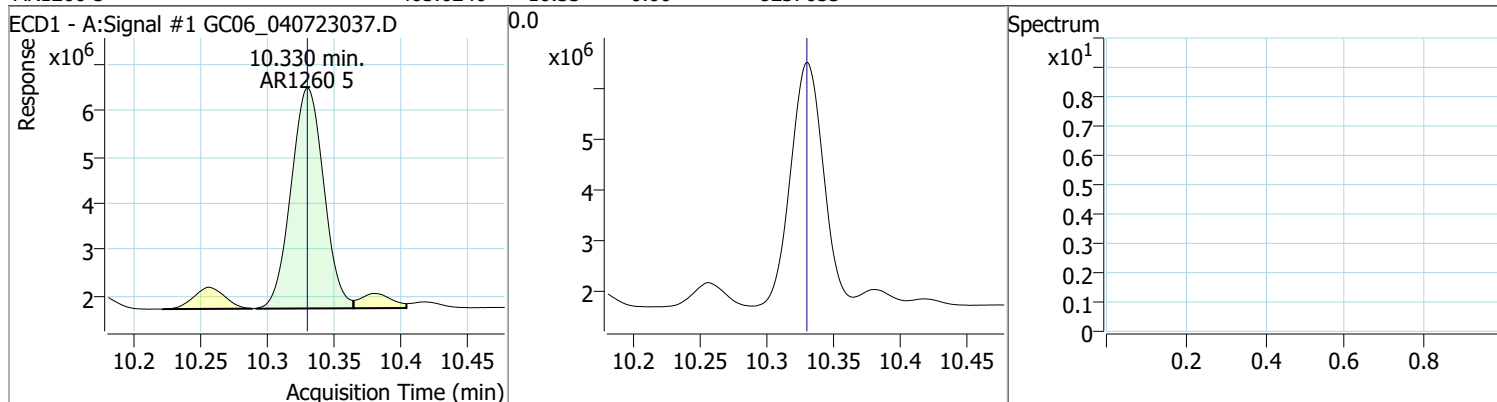
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	481.3275	9.94	0.00	3943897				



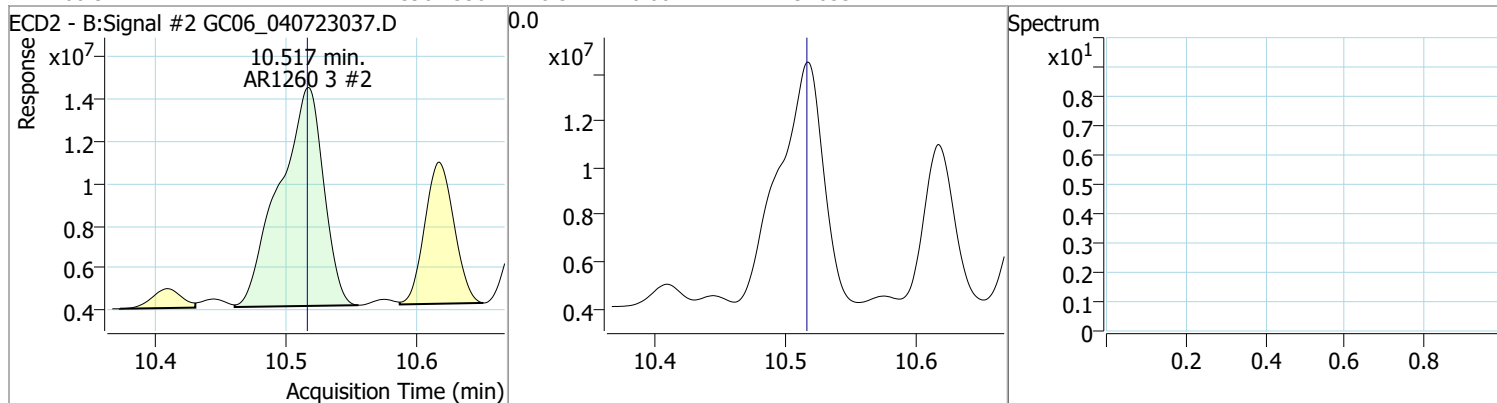
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	554.8788	10.08	0.00	18286668				



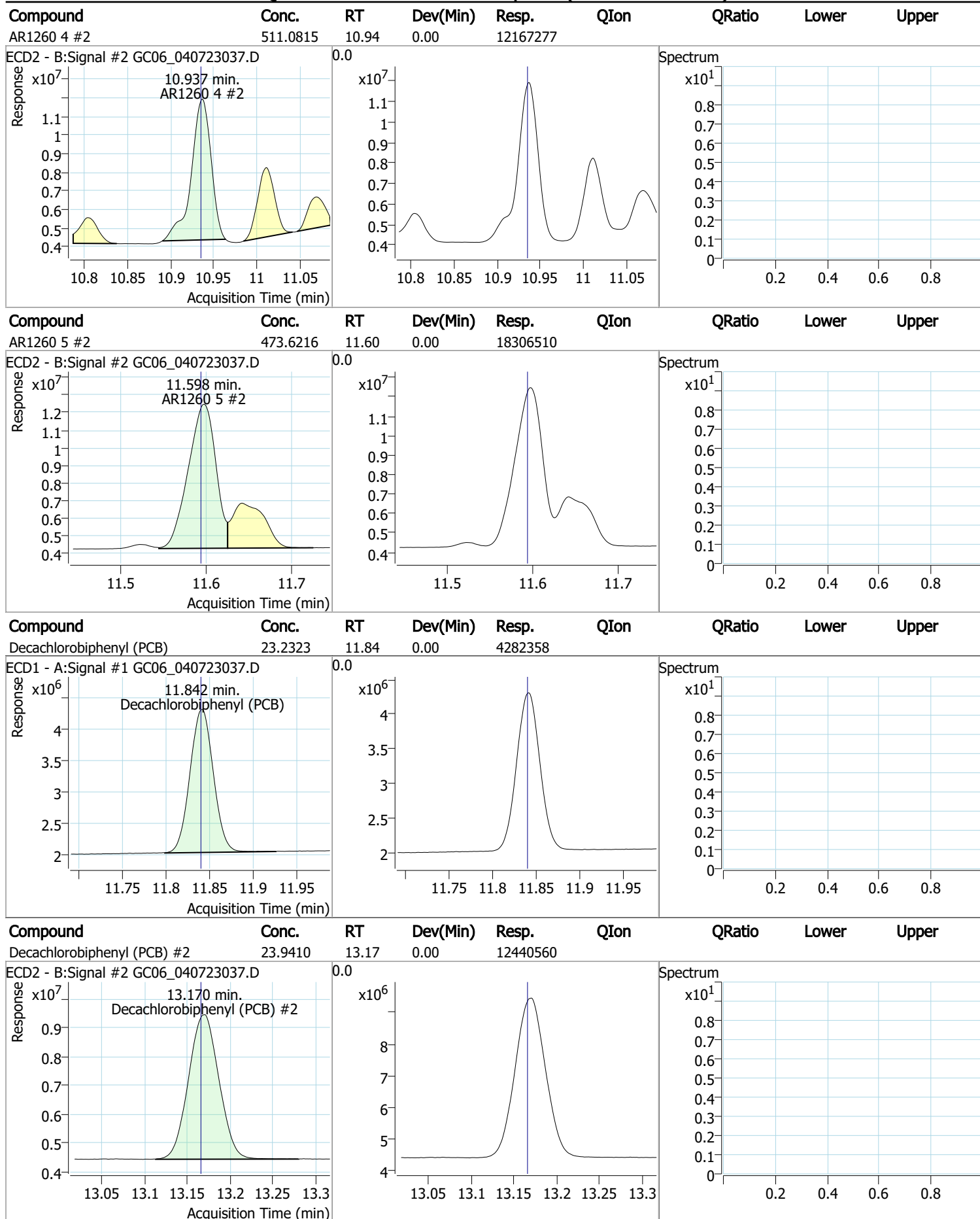
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	465.6240	10.33	0.00	8237053				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	596.1556	10.52	0.00	24191655				



Quantitation Results Report (Not Reviewed)



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 484907 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_051523004	IDF: 1.0
Seqnum: 453195120004	Caldate: 07-APR-2023	Time: 15-MAY-2023 12:38
Cal: 453140432001		

Standards: S18318

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	498.8	ug/L	0	15	0.0000	
Aroclor-1260	A			500.0	470.7	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4094	1.3641	40.00	38.71	ug/L	-3	15	0.0000	
TCMX (PCB)	A	1.0215	0.9712	40.00	38.03	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	496.1	ug/L	-1	15	0.0000	
Aroclor-1260	B			500.0	448.8	ug/L	-10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1131	1.0307	40.00	37.04	ug/L	-7	15	0.0000	
TCMX (PCB)	B	0.9904	0.9282	40.00	37.49	ug/L	-6	15	0.0000	

ISTD (ICAL gc06_040723028)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8160408	9117775	11.73
1-bromo-2-nitrobenzene (PCB)	A	2292783	3337014	45.54

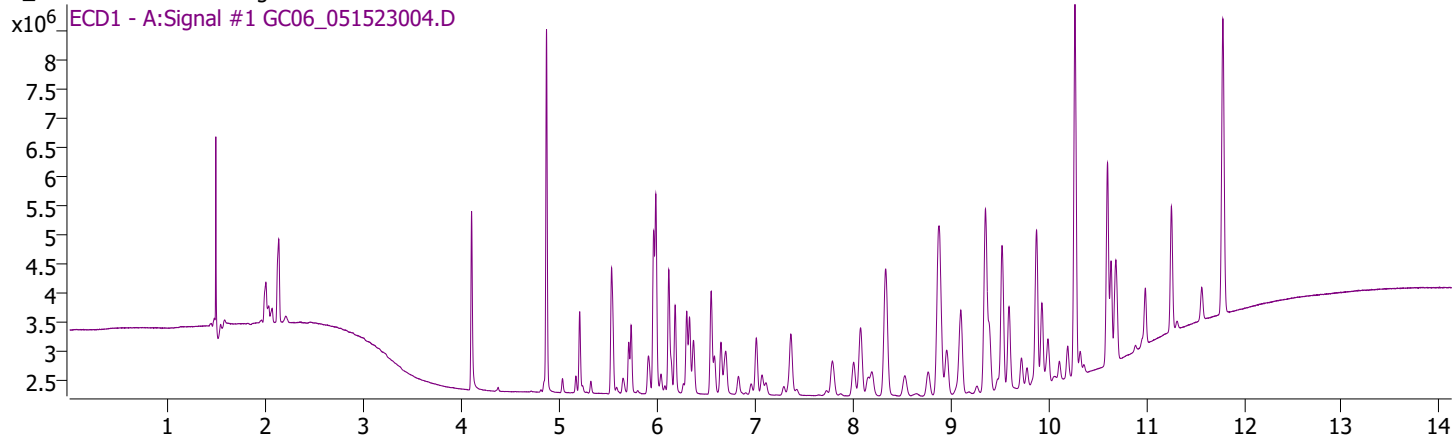
Analyst: TRN 05/15/23

Reviewer: MTS 05/16/23

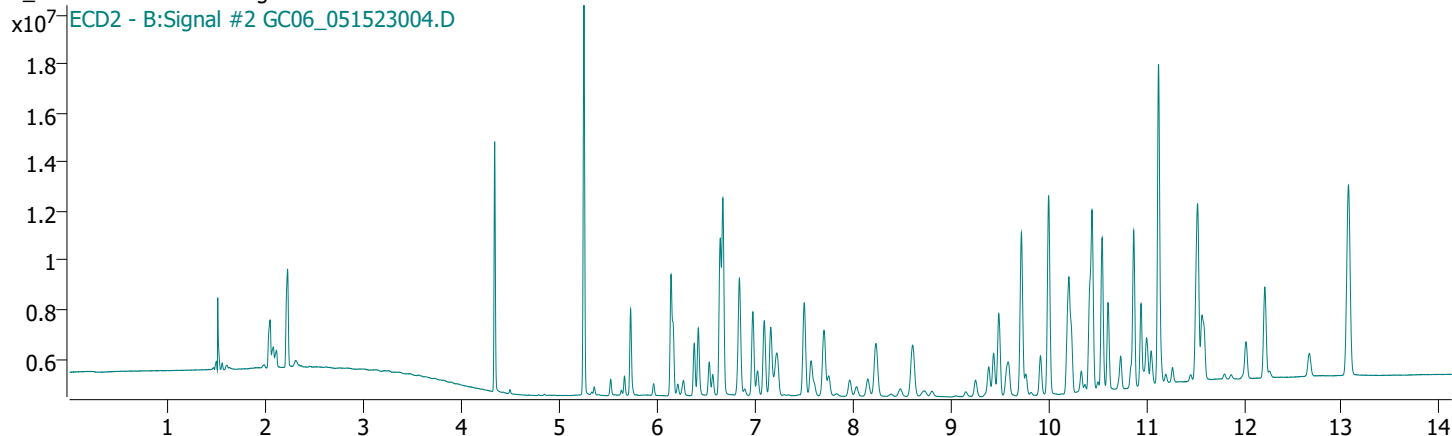
Quantitation Results Report (Not Reviewed)

Data File	GC06_051523004.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/15/2023 12:38:02 PM
Sample Name	CCV, S18318	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_040723_GC06_23.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	051523PCB.batch.bin	Last Calib Update	4/9/2023 6:12:16 PM
Ref Library			

GC06_051523004.D No MS Signals



GC06_051523004.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.108	0.0	3337013.548	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.344	0.0	9117774.690	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.874	0.0	6481737.061	38.0297	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.15%	*	
S TCMX (PCB) #2	5.257	0.0	16925710.986	37.4882	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.44%	*	
S Decachlorobiphenyl (PCB)	11.785	0.0	9103838.180	38.7145	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.57%	*	
S Decachlorobiphenyl (PCB) #2	13.068	0.0	18795794.986	37.0410	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.20%	*	

Target Compounds

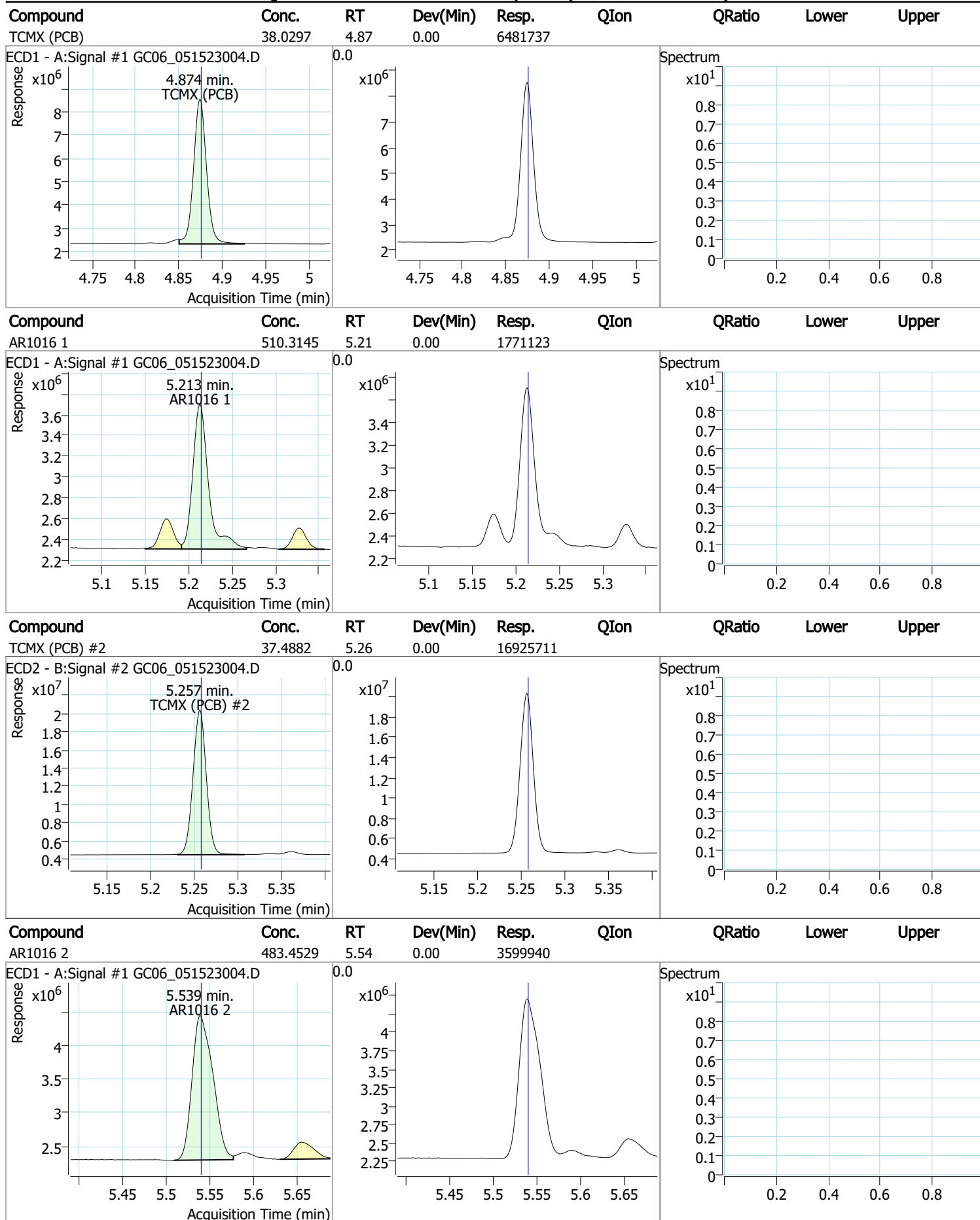
QValue

Quantitation Results Report (Not Reviewed)

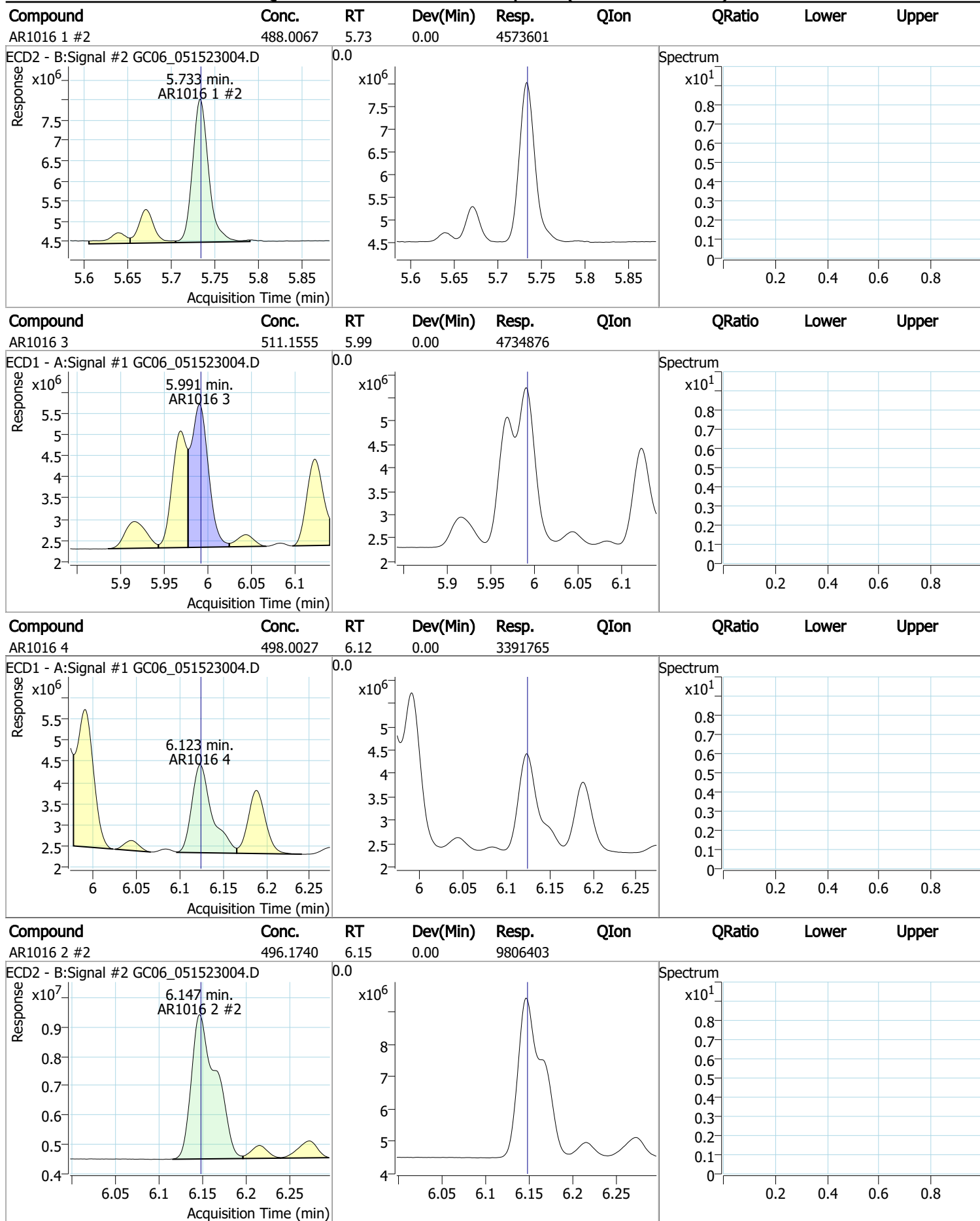
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.213	0.0	1771122.60 5	510.3145	ng/ml	100
T AR1016 2	5.539	0.0	3599939.66 9	483.4529	ng/ml	100
T AR1016 1 #2	5.733	0.0	4573601.44 8	488.0067	ng/ml	100
T AR1016 3	5.991	0.0	4734875.92 2	511.1555	ng/ml	100
T AR1016 4	6.123	0.0	3391764.82 0	498.0027	ng/ml	100
T AR1016 2 #2	6.147	0.0	9806403.13 5	496.1740	ng/ml	100
T AR1016 5	6.307	0.0	1961356.44 3	491.0145	ng/ml	100
T AR1016 3 #2	6.676	0.0	12395893.4 86	494.3113	ng/ml	100
T AR1016 4 #2	6.845	0.0	8951615.85 5	496.1936	ng/ml	100
T AR1016 5 #2	7.508	0.0	7517233.73 9	506.0135	ng/ml	100
T AR1260 1	8.339	0.0	6016372.85 0	541.1025	ng/ml	100
T AR1260 2	8.885	0.0	8672418.78 7	516.0724	ng/ml	100
T AR1260 3	9.359	0.0	9101773.50 8	538.9022	ng/ml	100
T AR1260 1 #2	9.727	0.0	12459322.4 07	478.9611	ng/ml	100
T AR1260 4	9.882	0.0	5233366.63 7	500.6522	ng/ml	100
T AR1260 2 #2	10.004	0.0	14394365.9 65	447.2752	ng/ml	100
T AR1260 3 #2	10.448	0.0	17678676.4 01	446.1311	ng/ml	100
T AR1260 5	10.607	0.0	5795788.14 1	256.8123	ng/ml	100
T AR1260 4 #2	10.874	0.0	10566062.2 53	454.4944	ng/ml	100
T AR1260 5 #2	11.526	0.0	15740731.8 52	417.0321	ng/ml	100

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

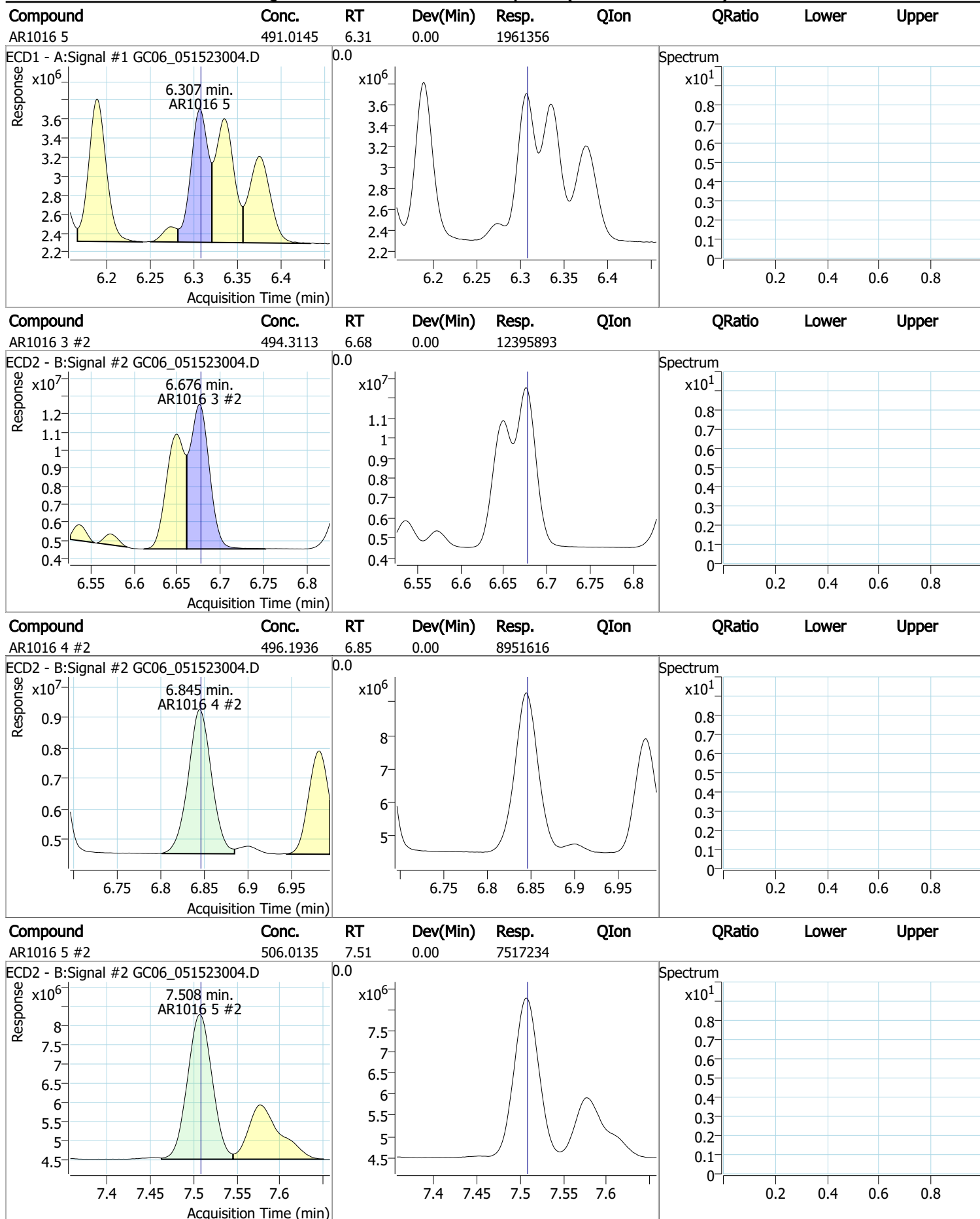
Quantitation Results Report (Not Reviewed)



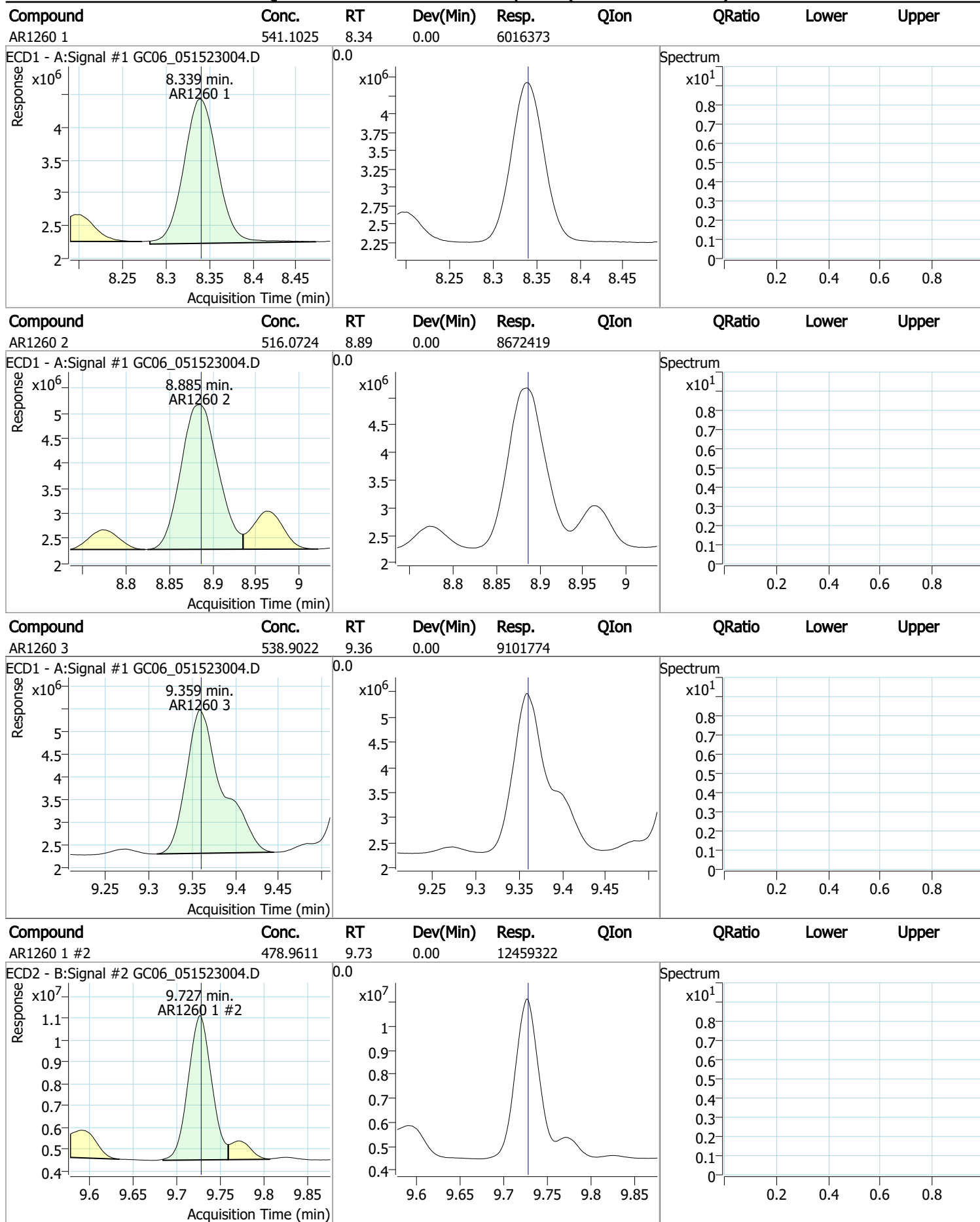
Quantitation Results Report (Not Reviewed)



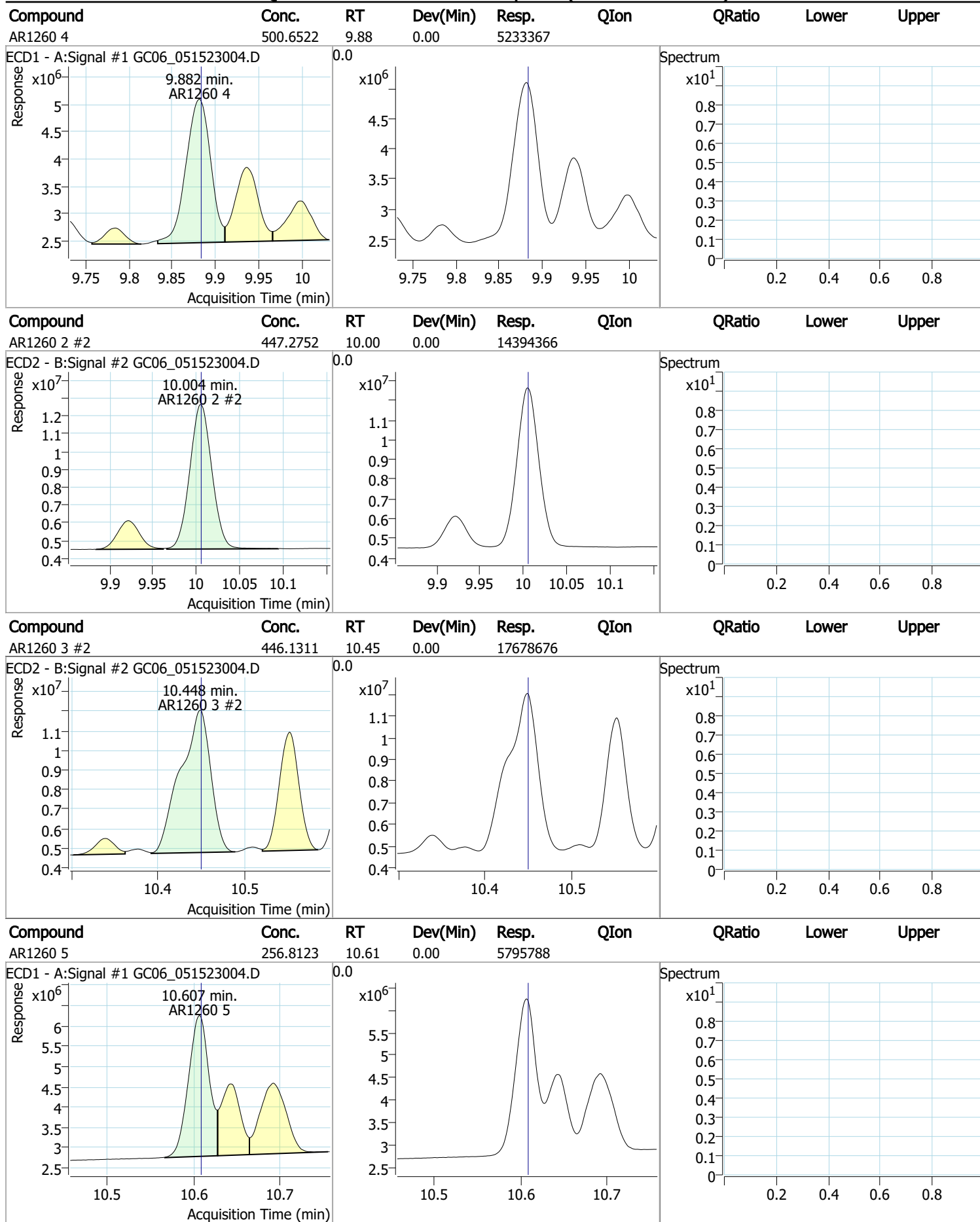
Quantitation Results Report (Not Reviewed)



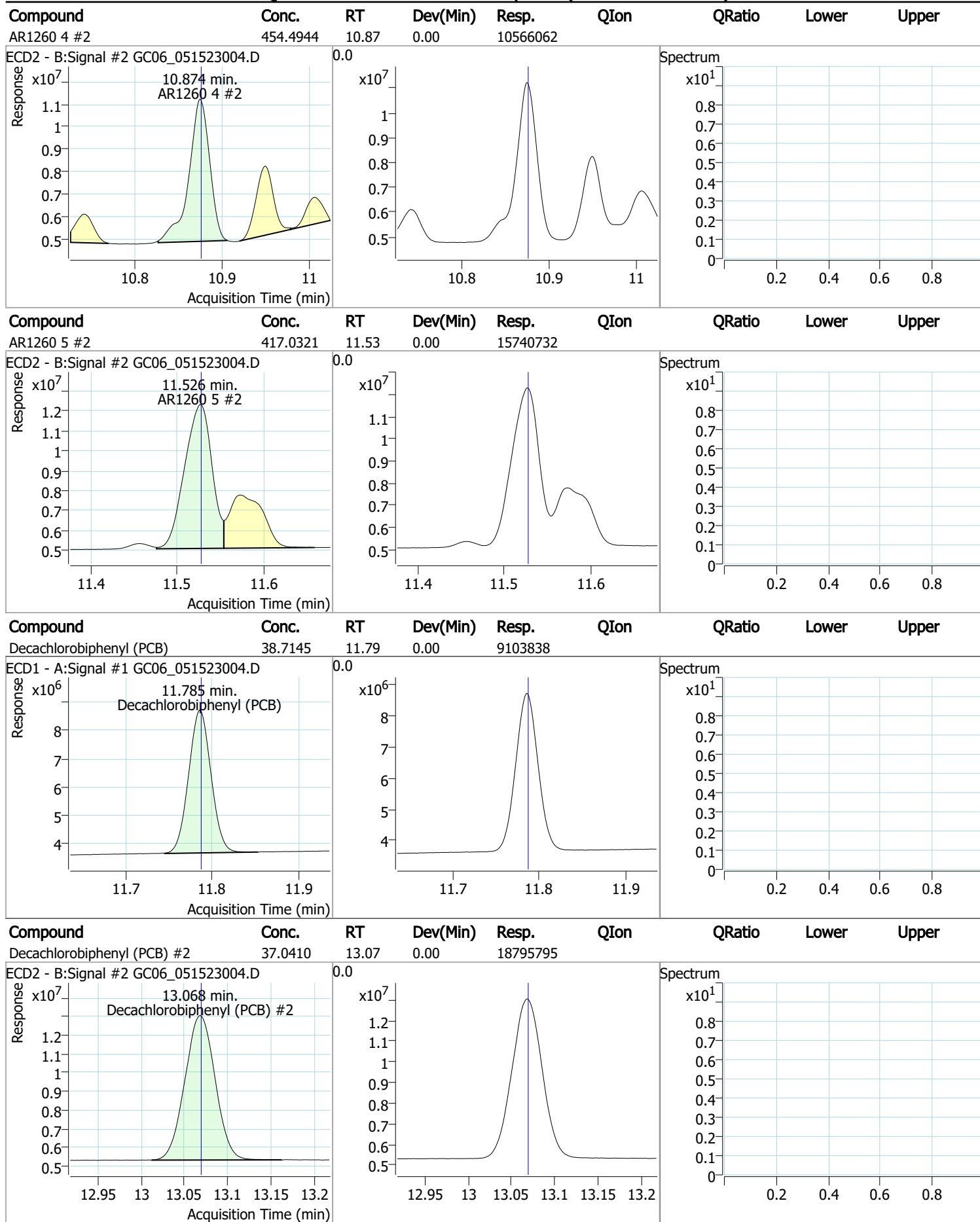
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)





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

enthalpy.com

Lab Job Number: 484907
Report Level: IV
Report Date: 05/19/2023

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 #: 484907
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 05/10/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C6E-EXT-1 TO 2-230509-L-WF	484907-002	05/09/23 12:45	Wipe
ARCH-C7E-EXT-1 TO 2-230509-L-WF	484907-004	05/09/23 12:30	Wipe
ARCH-C6E-DG-1 TO 1.5-230509-L-FB	484907-006	05/09/23 12:55	Wipe
ARCH-C6E-DG-1 TO 1.5-230509-L-DUP-FB	484907-007	05/09/23 12:55	Wipe
ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-L-LA	484907-010	05/09/23 13:10	Wipe
ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-L-LA	484907-013	05/09/23 13:40	Wipe
ARCH-C7E-DG-2 TO 2.5-230509-L-FB	484907-015	05/09/23 13:25	Wipe
ARCH-C7E-DG-2 TO 2.5-230509-L-DUP-FB	484907-016	05/09/23 13:25	Wipe
ARCH-C6E-PS-2.5-230509-L-G	484907-018	05/09/23 14:30	Wipe
ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-L-LA	484907-020	05/09/23 14:10	Wipe
ARCH-C7E-PS-2.5-230509-L-G	484907-022	05/09/23 14:00	Wipe
ARCH-C6E-DG-3 TO 3.5-230509-L-FB	484907-024	05/09/23 15:00	Wipe

Case Narrative

METALS (EPA 6010B)

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

Lab Job Number: 484907
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 05/10/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 05/11/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

- An exceedance for lead was observed in an interference check standard, however there are no relevant interferences present in the samples or QC. Results are flagged "b" but there is no impact on the reported data.
- No analytical problems were encountered.

Chain of Custody

484907

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
COC ID:				Standard:			
Page: 1 of 2				1 Day: X (PCBs)			
Matrix: A = Air S = Soil/Solid				2 Day: X (PB)			
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			
				Report: Level IV			
				(lab use only)			
ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900				Turn Around Time (rush by advanced notice only) Standard: 1 Day: X (PCBs) 2 Day: X (PB) 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			
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: T. Smagitt			
SAMPLE ID 1 ARCH-C6E-EXT-1 TO 2-230509-P-WF 2 ARCH-C6E-EXT-1 TO 2-230509-L-WF 3 ARCH-C7E-EXT-1 TO 2-230509-P-WF 4 ARCH-C7E-EXT-1 TO 2-230509-L-WF 5 ARCH-C6E-DG-1 TO 1.5-230509-P-FB 6 ARCH-C6E-DG-1 TO 1.5-230509-L-FB 7 ARCH-C6E-DG-1 TO 1.5-230509-L-DUP-FB 8 ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-LA 9 ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-DUP-LA 10 ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-L-LA 11 ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-LA 12 ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-DUP-LA 13 ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-L-LA 14 ARCH-C7E-DG-2 TO 2.5-230509-P-FB 15 ARCH-C7E-DG-2 TO 2.5-230509-L-FB				ANALYSIS REQUEST PCBs - EPA Method 3546/8082 Lead by EPA Method 3050M/60108 HOLD Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/l2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 4 Enclosure A/B (Low Occupancy)			
SIGNATURE Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]				DATE / TIME 5/10/23 12:35 5/10/23 12:35 5/10/23 13:50 5/10/23 14:50 5/10/23 15:37 5/11/23 0940			
PRINT NAME Michaela Kim Lindsay Parker Michaela Kim Lindsay Parker Michaela Kim Lindsay Parker Michaela Kim Lindsay Parker Michaela Kim Lindsay Parker Michaela Kim Lindsay Parker Michaela Kim Lindsay Parker Michaela Kim Lindsay Parker				COMPANY / TITLE Rincon Env Scientist ENTHALPY "			

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

SAMPLE RECEIPT CHECKLIST			
Section 1: Login # <u>484907</u>		Client: <u>Rincon</u>	
Date Received: <u>5/10/23</u>		Project: _____	
			
Section 2: Shipping info (if applicable) _____			
Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package			
☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None			
Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A			
Samples received in a cooler? ☒ Yes, how many? <u>1</u> ☐ No (skip Section 3 below)			
If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C			
☐ Samples received on ice directly from the field. Cooling process had begun			
If in cooler: Date Opened <u>5/10/23</u> By (print) <u>mm</u> (sign) <u>[Signature]</u>			
Section 3: Important: Notify PM if temperature exceeds 6°C or arrive frozen.			
Packing in cooler: (if other, describe) _____			
☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels			
☐ Samples received on ice directly from the field. Cooling process had begun			
Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None			
Temperature blank(s) included? ☐ Yes, ☐ No			
Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C			
Cooler Temp (°C): #1: <u>3.8</u> , #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____			
Section 4:			
	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	/		
Were Method 5035 sampling containers present?		/	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?	/		
Are there any missing / extra samples?		/	
Are samples in the appropriate containers for indicated tests?	/		
Are sample labels present, in good condition and complete?	/		
Does the container count match the COC?	/		
Do the sample labels agree with custody papers?	/		
Was sufficient amount of sample sent for tests requested?	/		
Did you change the hold time in LIMS for unpreserved VOAs?			/
Did you change the hold time in LIMS for preserved terracores?			/
Are bubbles > 6mm present in VOA samples?			/
Was the client contacted concerning this sample delivery?		/	
If YES, who was called? _____ By _____ Date: _____			
Section 5:			
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			
pH strip lot# _____, pH strip lot# _____, pH strip lot# _____			
Preservative added:			
☐ H2SO4 lot# _____ added to samples _____ on/at _____			
☐ HCL lot# _____ added to samples _____ on/at _____			
☐ HNO3 lot# _____ added to samples _____ on/at _____			
☐ NaOH lot# _____ added to samples _____ on/at _____			
Section 6:			
Explanations/Comments: _____			
Date Logged in <u>5/10/23</u>		By (print) <u>mm</u> (sign) <u>[Signature]</u>	
Date Labeled <u>5/10/23</u>		By (print) <u>mm</u> (sign) <u>[Signature]</u>	

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

PS/16/2
484894 484907

SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: Rincon Consultants	Project: Hangar 1 NTCRA
Date Received: 05/11/23	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>4.6</u> #2: _____ #3: _____ #4: _____	
<i>(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)</i>	
Shipping Information: Southwest Airlines	

Section 3	
Was the cooler packed with: ☒ Ice ☒ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other _____	
Cooler Temp (°C): #1: <u>2.8</u> #2: _____ #3: _____ #4: _____	

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

Section 5 Explanations/Comments

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

Completed By: [Signature] Date: MAY 11 2023

SOUTHWEST AIRLINES

Printed on:
10 MAY 18:42

526 OAK 8807 1432 

SNA

PC#
3 OF

DG
3 G

LOT WT
130 LB
(59.0 KG)

OAK WN 121211 MAY 06:40

STN FLT DATE ETD LOT 01



ID: 0003
WT: 43LB

526 880714903

NFG

2.8 / 4.0

Results & QC Summary

Lead

Lab #: 484907		Project#: 20-10491		
Client: Rincon Consultants		Location: Hangar 1 NTCRA		
Field ID: ARCH-C6E-EXT-1 TO 2-230509-L-WF		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484907-002		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484907-002 Analyte		Result	RL	Units
Lead		9.8	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C7E-EXT-1 TO 2-230509-L-WF		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484907-004		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484907-004 Analyte		Result	RL	Units
Lead		66	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C6E-DG-1 TO 1.5-230509-L-FB		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484907-006		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484907-006 Analyte		Result	RL	Units
Lead		12	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C6E-DG-1 TO 1.5-230509-L-DUP-FB		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484907-007		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484907-007 Analyte		Result	RL	Units
Lead		22	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-L-LA		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484907-010		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484907-010 Analyte		Result	RL	Units
Lead		46	0.25	ug/ft2
				Qual
				b

Lead

Lab #: 484907		Project#: 20-10491		
Client: Rincon Consultants		Location: Hangar 1 NTCRA		
Field ID: ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-L-LA		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484907-013		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484907-013 Analyte		Result	RL	Units
Lead		120	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C7E-DG-2 TO 2.5-230509-L-FB		Batch#: 313731	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484907-015		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484907-015 Analyte		Result	RL	Units
Lead		87	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C7E-DG-2 TO 2.5-230509-L-DUP-FB		Batch#: 313734	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484907-016		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484907-016 Analyte		Result	RL	Units
Lead		95	0.25	ug/ft2
				Qual
				b
Field ID: ARCH-C6E-PS-2.5-230509-L-G		Batch#: 313734	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484907-018		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484907-018 Analyte		Result	RL	Units
Lead		56	0.23	ug/ft2
				Qual
				b
Field ID: ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-L-LA		Batch#: 313734	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 05/09/23	Analysis: EPA 6010B	
Lab ID: 484907-020		Received: 05/10/23	Analyst: SBW	
Matrix: Wipe		Prepared: 05/11/23		
Diln Fac: 1.000		Analyzed: 05/11/23		
484907-020 Analyte		Result	RL	Units
Lead		220	0.25	ug/ft2
				Qual
				b

Lead

Lab #: 484907

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7E-PS-2.5-230509-L-G

Batch#: 313734

Prep: EPA 3050B

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 6010B

Lab ID: 484907-022

Received: 05/10/23

Analyst: SBW

Matrix: Wipe

Prepared: 05/11/23

Diln Fac: 1.000

Analyzed: 05/11/23

484907-022 Analyte	Result	RL	Units	Qual
Lead	42	0.23	ug/ft2	b

Field ID: ARCH-C6E-DG-3 TO 3.5-230509-L-FB

Batch#: 313734

Prep: EPA 3050B

Type: SAMPLE

Sampled: 05/09/23

Analysis: EPA 6010B

Lab ID: 484907-024

Received: 05/10/23

Analyst: SBW

Matrix: Wipe

Prepared: 05/11/23

Diln Fac: 1.000

Analyzed: 05/11/23

484907-024 Analyte	Result	RL	Units	Qual
Lead	61	0.25	ug/ft2	b

Type: BLANK

Batch#: 313731

Analysis: EPA 6010B

Lab ID: QC1065066

Prepared: 05/11/23

Analyst: SBW

Matrix: Wipe

Analyzed: 05/11/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1065066 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Type: BLANK

Batch#: 313734

Analysis: EPA 6010B

Lab ID: QC1065086

Prepared: 05/11/23

Analyst: SBW

Matrix: Wipe

Analyzed: 05/11/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1065086 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

Lead: Batch QC

Lab #: 484907

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 313731

Analysis: EPA 6010B

Lab ID: QC1065070

Prepared: 05/11/23

Analyst: SBW

Matrix: Wipe

Analyzed: 05/11/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1065070 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	50.00	52.94	106	80-120	ug/ft2	b

Type: BS

Batch#: 313734

Analysis: EPA 6010B

Lab ID: QC1065088

Prepared: 05/11/23

Analyst: SBW

Matrix: Wipe

Analyzed: 05/11/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1065088 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	50.00	54.08	108	80-120	ug/ft2	b

Type: BSD

Batch#: 313731

Analysis: EPA 6010B

Lab ID: QC1065071

Prepared: 05/11/23

Analyst: SBW

Matrix: Wipe

Analyzed: 05/11/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1065071 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	50.00	52.29	105	80-120	ug/ft2	1	20	b

Type: BSD

Batch#: 313734

Analysis: EPA 6010B

Lab ID: QC1065089

Prepared: 05/11/23

Analyst: SBW

Matrix: Wipe

Analyzed: 05/11/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1065089 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	50.00	54.38	109	80-120	ug/ft2	1	20	b

Legend

RPD: Relative Percent Difference

b: See narrative

REPORTING SUMMARY FOR 484907 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	P B
484907-002	MET06	05/11/23 18:22	1.0	✓
484907-004	MET06	05/11/23 18:32	1.0	✓
484907-006	MET06	05/11/23 18:35	1.0	✓
484907-007	MET06	05/11/23 18:39	1.0	✓
484907-010	MET06	05/11/23 18:42	1.0	✓
484907-013	MET06	05/11/23 18:45	1.0	✓
484907-015	MET06	05/11/23 18:48	1.0	✓
484907-016	MET06	05/11/23 19:01	1.0	✓
484907-018	MET06	05/11/23 19:11	1.0	✓
484907-020	MET06	05/11/23 19:14	1.0	✓
484907-022	MET06	05/11/23 19:18	1.0	✓
484907-024	MET06	05/11/23 19:21	1.0	✓
QC1065066	MET06	05/11/23 17:24	1.0	✓
QC1065070	MET06	05/11/23 17:27	1.0	✓
QC1065071	MET06	05/11/23 17:30	1.0	✓
QC1065086	MET06	05/11/23 18:52	1.0	✓
QC1065088	MET06	05/11/23 18:55	1.0	✓
QC1065089	MET06	05/11/23 18:58	1.0	✓

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
001	met06_master011	ICALBLK	CALBLANK			05/11/23 10:18	1.0	1	
002	met06_master011	ICAL	L1			05/11/23 10:22	1.0	2 1	
003	met06_master011	ICAL	L2			05/11/23 10:25	1.0	3 1	
004	met06_master011	ICAL	L3			05/11/23 10:28	1.0	4 1	
005	met06_master011	ICAL	L4			05/11/23 10:32	1.0	5 1	
006	met06_master011	ICAL	L5			05/11/23 10:35	1.0	6 1	
007	met06_master011	ICAL	L6			05/11/23 10:38	1.0	7 1	
008	met06_master011	ICAL	L7			05/11/23 10:41	1.0	8 1	
009	met06_master011	ICAL	L8			05/11/23 10:45	1.0	9 1	
010	met06_master011	ICV				05/11/23 10:51	1.0	10 1	
011	met06_master011	CRI				05/11/23 10:54	1.0	11 1	
012	met06_master011	ICB				05/11/23 10:57	1.0	1	
013	met06_master011	XICSA				05/11/23 11:00	1.0	12 1	5:MGASMGCO3=1500
014	met06_master011	ICSAB				05/11/23 11:04	1.0	13 1	5:MGASMGCO3=1500
015	met06_master011	ICSA				05/11/23 11:08	1.0	12 1	5:MGASMGCO3=1500
016	met06_master011	LCS	QC1064713	TCLP Leachate	313631	05/11/23 11:11	1.0	1	1:NA=1300
017	met06_master011	MSS	484067-001	TCLP Leachate	313631	05/11/23 11:15	1.0	1	2:NA=1500
018	met06_master011	MS	QC1064715	TCLP Leachate	313631	05/11/23 11:18	1.0	1	2:NA=1400
019	met06_master011	MSD	QC1064716	TCLP Leachate	313631	05/11/23 11:21	1.0	1	2:NA=1400
020	met06_master011	SAMPLE	484461-001	TCLP Leachate	313631	05/11/23 11:24	1.0	1	1:NA=1600
021	met06_master011	MSS	484707-001	Soil	313516	05/11/23 11:28	1.0	1	2:FEASFE2O3=100
022	met06_master011	MS	QC1064358	Soil	313516	05/11/23 11:31	1.0	1	3:ALASAL2O3=140
023	met06_master011	MSD	QC1064359	Soil	313516	05/11/23 11:34	1.0	1	3:ALASAL2O3=140
024	met06_master011	PDS	QC1064360	Soil	313516	05/11/23 11:38	1.0	1	3:ALASAL2O3=110
025	met06_master011	SAMPLE	484707-002	Soil	313516	05/11/23 11:41	1.0	1	1:FE=140
026	met06_master011	CCV				05/11/23 11:44	1.0	10 1	

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
027	met06_master011	CCB				05/11/23 11:47	1.0	1	
028	met06_master011	SAMPLE	484707-003	Soil	313516	05/11/23 11:51	1.0	1	1:FE=160
029	met06_master011	SAMPLE	484707-004	Soil	313516	05/11/23 11:54	1.0	1	1:FE=140
030	met06_master011	SAMPLE	484707-005	Soil	313516	05/11/23 11:57	1.0	1	1:FE=130
031	met06_master011	SAMPLE	484750-001	Soil	313516	05/11/23 12:00	1.0	1	2:FE=130
032	met06_master011	SAMPLE	484750-004	Soil	313516	05/11/23 12:04	1.0	1	1:FE=230
033	met06_master011	SAMPLE	484750-007	Soil	313516	05/11/23 12:07	1.0	1	2:FE=220
034	met06_master011	SAMPLE	484750-010	Soil	313516	05/11/23 12:10	1.0	1	2:FE=160
035	met06_master011	SAMPLE	484750-013	Soil	313516	05/11/23 12:13	1.0	1	3:FE=230
036	met06_master011	SAMPLE	484750-016	Soil	313516	05/11/23 12:17	1.0	1	1:FE=130
037	met06_master011	SAMPLE	484750-019	Soil	313516	05/11/23 12:20	1.0	1	1:FE=150
038	met06_master011	CCV				05/11/23 12:23	1.0	10 1	
039	met06_master011	CCB				05/11/23 12:26	1.0	1	
040	met06_master011	SAMPLE	484750-022	Soil	313516	05/11/23 12:30	1.0	1	1:FE=150
041	met06_master011	XBLANK	QC1064342	WET Leachate	313514	05/11/23 12:33	1.0	1	
042	met06_master011	BLANK	QC1064342	WET Leachate	313514	05/11/23 12:41	1.0	1	
043	met06_master011	BS	QC1064343	WET Leachate	313514	05/11/23 12:44	1.0	1	
044	met06_master011	BSD	QC1064344	WET Leachate	313514	05/11/23 12:48	1.0	1	
045	met06_master011	SAMPLE	484650-015	WET Leachate	313514	05/11/23 12:51	1.0	1	
046	met06_master011	CCV				05/11/23 12:54	1.0	10 1	
047	met06_master011	CCB				05/11/23 12:58	1.0	1	
048	met06_master011	BLANK	QC1065005	Water	313717	05/11/23 13:01	1.0	1	
049	met06_master011	LCS	QC1065006	Water	313717	05/11/23 13:04	1.0	1	
050	met06_master011	BLANK	QC1064140	WET Leachate	313443	05/11/23 13:08	1.0	1	
051	met06_master011	BS	QC1064141	WET Leachate	313443	05/11/23 13:11	1.0	1	
052	met06_master011	BSD	QC1064142	WET Leachate	313443	05/11/23 13:14	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
053	met06_master011	SAMPLE	484224-001	WET Leachate	313443	05/11/23 13:18	1.0	1	1:FE=18
054	met06_master011	MSS	484681-001	Water	313363	05/11/23 13:21	1.0	1	
055	met06_master011	MS	QC1063819	Water	313363	05/11/23 13:24	1.0	1	
056	met06_master011	MSD	QC1063820	Water	313363	05/11/23 13:27	1.0	1	
057	met06_master011	SAMPLE	484682-001	Water	313363	05/11/23 13:31	1.0	1	
058	met06_master011	CCV				05/11/23 13:34	1.0	10 1	
059	met06_master011	CCB				05/11/23 13:37	1.0	1	
060	met06_master011	SAMPLE	484682-003	Water	313363	05/11/23 13:41	1.0	1	
061	met06_master011	SAMPLE	484682-004	Water	313363	05/11/23 13:44	1.0	1	
062	met06_master011	BS	QC1064343	WET Leachate	313514	05/11/23 13:47	1.0	1	
063	met06_master011	BSD	QC1064344	WET Leachate	313514	05/11/23 13:50	1.0	1	
064	met06_master011	CCV				05/11/23 13:54	1.0	10 1	
065	met06_master011	CCB				05/11/23 13:57	1.0	1	
066	met06_master011	BLANK	QC1064871	Soil	313678	05/11/23 14:03	1.0	1	
067	met06_master011	LCS	QC1064872	Soil	313678	05/11/23 14:06	1.0	1	
068	met06_master011	SAMPLE	484786-005	Soil	313678	05/11/23 14:09	1.0	1	1:FE=51
069	met06_master011	SAMPLE	484787-001	Soil	313678	05/11/23 14:13	1.0	1	1:FE=250
070	met06_master011	MSS	484837-004	Soil	313678	05/11/23 14:16	1.0	1	3:ALASAL2O3=82
071	met06_master011	MS	QC1064873	Soil	313678	05/11/23 14:19	1.0	1	3:ALASAL2O3=160
072	met06_master011	MSD	QC1064874	Soil	313678	05/11/23 14:22	1.0	1	3:ALASAL2O3=380
073	met06_master011	PDS	QC1065058	Soil	313678	05/11/23 14:26	1.0	1	3:ALASAL2O3=83
074	met06_master011	SAMPLE	484846-022	Soil	313678	05/11/23 14:29	1.0	1	1:FE=260
075	met06_master011	SAMPLE	484880-001	Soil	313678	05/11/23 14:32	1.0	1	1:FE=130
076	met06_master011	CCV				05/11/23 14:35	1.0	10 1	
077	met06_master011	CCB				05/11/23 14:39	1.0	1	
078	met06_master011	SAMPLE	484880-002	Soil	313678	05/11/23 14:42	1.0	1	1:FE=140

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
079	met06_master011	SAMPLE	484916-001	Soil	313678	05/11/23 14:45	1.0	1	1:FE=250
080	met06_master011	SAMPLE	484919-001	Soil	313678	05/11/23 14:48	1.0	1	3:FE=240
081	met06_master011	SAMPLE	484919-002	Soil	313678	05/11/23 14:52	1.0	1	2:FE=220
082	met06_master011	SAMPLE	484919-003	Soil	313678	05/11/23 14:55	1.0	1	2:FE=210
083	met06_master011	SAMPLE	484919-004	Soil	313678	05/11/23 14:58	1.0	1	2:FE=240
084	met06_master011	SAMPLE	484919-005	Soil	313678	05/11/23 15:01	1.0	1	2:FE=210
085	met06_master011	SAMPLE	484919-006	Soil	313678	05/11/23 15:05	1.0	1	2:FE=200
086	met06_master011	SAMPLE	484921-001	Soil	313678	05/11/23 15:08	1.0	1	2:FE=210
087	met06_master011	BLANK	QC1064995	Water	313713	05/11/23 15:11	1.0	1	
088	met06_master011	CCV				05/11/23 15:14	1.0	10 1	
089	met06_master011	CCB				05/11/23 15:18	1.0	1	
090	met06_master011	LCS	QC1064996	Water	313713	05/11/23 15:21	1.0	1	
091	met06_master011	MSS	484846-020	Water	313713	05/11/23 15:24	1.0	1	
092	met06_master011	MS	QC1064997	Water	313713	05/11/23 15:27	1.0	1	
093	met06_master011	MSD	QC1064998	Water	313713	05/11/23 15:30	1.0	1	
094	met06_master011	SAMPLE	484868-001	Water	313713	05/11/23 15:34	1.0	1	
095	met06_master011	SAMPLE	484868-002	Water	313713	05/11/23 15:37	1.0	1	1:FE=29
096	met06_master011	SAMPLE	484868-003	Water	313713	05/11/23 15:40	1.0	1	3:CR=220
097	met06_master011	SAMPLE	484868-004	Water	313713	05/11/23 15:43	1.0	1	
098	met06_master011	SAMPLE	484868-005	Water	313713	05/11/23 15:47	1.0	1	1:FE=41
099	met06_master011	SAMPLE	484868-006	Water	313713	05/11/23 15:50	1.0	1	3:CR=200
100	met06_master011	CCV				05/11/23 15:53	1.0	10 1	
101	met06_master011	CCB				05/11/23 15:56	1.0	1	
102	met06_master011	SAMPLE	484868-007	Water	313713	05/11/23 16:00	1.0	1	
103	met06_master011	SAMPLE	484868-008	Water	313713	05/11/23 16:03	1.0	1	1:FE=34
104	met06_master011	SAMPLE	484868-009	Water	313713	05/11/23 16:06	1.0	1	3:CR=230

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master011	SAMPLE	484868-010	Water	313713	05/11/23 16:09	1.0	1	
106	met06_master011	BLANK	QC1065042	Water	313726	05/11/23 16:13	1.0	1	
107	met06_master011	LCS	QC1065043	Water	313726	05/11/23 16:17	1.0	1	
108	met06_master011	UNKNOWN	CCV			05/11/23 16:20	1.0	1	
109	met06_master011	CCV				05/11/23 16:23	1.0	10 1	
110	met06_master011	CCB				05/11/23 16:26	1.0	1	
111	met06_master011	UNKNOWN	STD4			05/11/23 16:30	1.0	1	
112	met06_master011	SAMPLE	484868-011	Water	313713	05/11/23 16:34	1.0	1	1:FE=30
113	met06_master011	SAMPLE	484868-012	Water	313713	05/11/23 16:37	1.0	1	3:CR=220
114	met06_master011	SAMPLE	484868-013	Water	313713	05/11/23 16:40	1.0	1	
115	met06_master011	SAMPLE	484868-016	Water	313713	05/11/23 16:43	1.0	1	
116	met06_master011	SAMPLE	484868-017	Water	313713	05/11/23 16:47	1.0	1	1:FE=27
117	met06_master011	SAMPLE	484868-018	Water	313713	05/11/23 16:50	1.0	1	3:CR=220
118	met06_master011	BLANK	QC1065063	Air	313732	05/11/23 16:53	1.0	1	
119	met06_master011	BS	QC1065064	Air	313732	05/11/23 16:56	1.0	1	
120	met06_master011	UNKNOWN	1PPM ICPMS			05/11/23 17:01	1.0	1	
121	met06_master011	BSD	QC1065065	Air	313732	05/11/23 17:04	1.0	1	
122	met06_master011	CCV				05/11/23 17:08	1.0	10 1	
123	met06_master011	CCB				05/11/23 17:11	1.0	1	
124	met06_master011	SAMPLE	484920-001	Air	313732	05/11/23 17:14	1.0	1	
125	met06_master011	SAMPLE	484920-002	Air	313732	05/11/23 17:17	1.0	1	
126	met06_master011	SAMPLE	484920-003	Air	313732	05/11/23 17:21	1.0	1	
127	met06_master011	BLANK	QC1065066	Wipe	313731	05/11/23 17:24	1.0	1	
128	met06_master011	BS	QC1065070	Wipe	313731	05/11/23 17:27	1.0	1	
129	met06_master011	BSD	QC1065071	Wipe	313731	05/11/23 17:30	1.0	1	
130	met06_master011	SAMPLE	484891-002	Wipe	313731	05/11/23 17:34	1.0	1	1:FE=63

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
131	met06_master011	SAMPLE	484891-004	Wipe	313731	05/11/23 17:37	1.0	1	1:FE=34
132	met06_master011	SAMPLE	484891-006	Wipe	313731	05/11/23 17:40	1.0	1	1:FE=34
133	met06_master011	CCV				05/11/23 17:47	1.0	10 1	
134	met06_master011	CCB				05/11/23 17:50	1.0	1	
135	met06_master011	SAMPLE	484891-010	Wipe	313731	05/11/23 17:53	1.0	1	1:FE=44
136	met06_master011	SAMPLE	484891-012	Wipe	313731	05/11/23 17:56	1.0	1	1:FE=65
137	met06_master011	SAMPLE	484891-014	Wipe	313731	05/11/23 18:00	1.0	1	1:FE=20
138	met06_master011	SAMPLE	484891-016	Wipe	313731	05/11/23 18:03	1.0	1	1:FE=32
139	met06_master011	SAMPLE	484891-018	Wipe	313731	05/11/23 18:06	1.0	1	1:FE=32
140	met06_master011	SAMPLE	484891-020	Wipe	313731	05/11/23 18:09	1.0	1	1:FE=45
141	met06_master011	SAMPLE	484891-022	Wipe	313731	05/11/23 18:13	1.0	1	1:FE=59
142	met06_master011	SAMPLE	484891-024	Wipe	313731	05/11/23 18:16	1.0	1	1:FE=27
143	met06_master011	SAMPLE	484891-026	Wipe	313731	05/11/23 18:19	1.0	1	
144	met06_master011	SAMPLE	484907-002	Wipe	313731	05/11/23 18:22	1.0	1	1:FE=77
145	met06_master011	CCV				05/11/23 18:26	1.0	10 1	
146	met06_master011	CCB				05/11/23 18:29	1.0	1	
147	met06_master011	SAMPLE	484907-004	Wipe	313731	05/11/23 18:32	1.0	1	1:FE=110
148	met06_master011	SAMPLE	484907-006	Wipe	313731	05/11/23 18:35	1.0	1	1:FE=120
149	met06_master011	SAMPLE	484907-007	Wipe	313731	05/11/23 18:39	1.0	1	1:FE=150
150	met06_master011	SAMPLE	484907-010	Wipe	313731	05/11/23 18:42	1.0	1	1:FE=81
151	met06_master011	SAMPLE	484907-013	Wipe	313731	05/11/23 18:45	1.0	1	1:FE=98
152	met06_master011	SAMPLE	484907-015	Wipe	313731	05/11/23 18:48	1.0	1	1:FE=110
153	met06_master011	BLANK	QC1065086	Wipe	313734	05/11/23 18:52	1.0	1	
154	met06_master011	BS	QC1065088	Wipe	313734	05/11/23 18:55	1.0	1	
155	met06_master011	BSD	QC1065089	Wipe	313734	05/11/23 18:58	1.0	1	
156	met06_master011	SAMPLE	484907-016	Wipe	313734	05/11/23 19:01	1.0	1	1:FE=100

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master011	CCV				05/11/23 19:05	1.0	10 1	
158	met06_master011	CCB				05/11/23 19:08	1.0	1	
159	met06_master011	SAMPLE	484907-018	Wipe	313734	05/11/23 19:11	1.0	1	1:FE=180
160	met06_master011	SAMPLE	484907-020	Wipe	313734	05/11/23 19:14	1.0	1	1:FE=110
161	met06_master011	SAMPLE	484907-022	Wipe	313734	05/11/23 19:18	1.0	1	1:FE=120
162	met06_master011	SAMPLE	484907-024	Wipe	313734	05/11/23 19:21	1.0	1	1:FE=70
163	met06_master011	MSS	484660-001	Water	313726	05/11/23 19:24	1.0	1	
164	met06_master011	MS	QC1065044	Water	313726	05/11/23 19:27	1.0	1	
165	met06_master011	MSD	QC1065045	Water	313726	05/11/23 19:31	1.0	1	
166	met06_master011	SAMPLE	484677-001	Water	313726	05/11/23 19:34	1.0	1	1:NA=1000
167	met06_master011	SAMPLE	484677-002	Water	313726	05/11/23 19:37	1.0	1	
168	met06_master011	SAMPLE	484677-003	Water	313726	05/11/23 19:40	1.0	1	
169	met06_master011	CCV				05/11/23 19:44	1.0	10 1	
170	met06_master011	CCB				05/11/23 19:47	1.0	1	
171	met06_master011	SAMPLE	484677-004	Water	313726	05/11/23 19:50	1.0	1	2:NA=1200
172	met06_master011	SAMPLE	484677-005	Water	313726	05/11/23 19:53	1.0	1	1:FE=36
173	met06_master011	SAMPLE	484677-006	Water	313726	05/11/23 19:57	1.0	1	1:FE=24
174	met06_master011	SAMPLE	484677-007	Water	313726	05/11/23 20:00	1.0	1	1:MN=11
175	met06_master011	SAMPLE	484677-008	Water	313726	05/11/23 20:03	1.0	1	
176	met06_master011	SAMPLE	484677-010	Water	313726	05/11/23 20:07	1.0	1	2:FE=310
177	met06_master011	MSS	484681-001	Water	313726	05/11/23 20:10	1.0	1	
178	met06_master011	SDUP	QC1065130	Water	313726	05/11/23 20:13	1.0	1	
179	met06_master011	MS	QC1065046	Water	313726	05/11/23 20:16	1.0	1	
180	met06_master011	MSD	QC1065047	Water	313726	05/11/23 20:20	1.0	1	
181	met06_master011	CCV				05/11/23 20:23	1.0	10 1	
182	met06_master011	CCB				05/11/23 20:26	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
183	met06_master011	SAMPLE	484682-001	Water	313726	05/11/23 20:29	1.0	1	
184	met06_master011	SAMPLE	484682-002	Water	313726	05/11/23 20:33	1.0	1	
185	met06_master011	BLANK	QC1064492	Water	313561	05/11/23 20:42	1.0	1	
186	met06_master011	LCS	QC1064493	Water	313561	05/11/23 20:46	1.0	1	
187	met06_master011	SAMPLE	484726-001	Water	313561	05/11/23 20:49	1.0	1	
188	met06_master011	MSS	484726-002	Water	313561	05/11/23 20:52	1.0	1	
189	met06_master011	MS	QC1064494	Water	313561	05/11/23 20:56	1.0	1	
190	met06_master011	MSD	QC1064495	Water	313561	05/11/23 20:59	1.0	1	
191	met06_master011	BLANK	QC1065037	Soil	313725	05/11/23 21:02	1.0	1	
192	met06_master011	LCS	QC1065038	Soil	313725	05/11/23 21:05	1.0	1	
193	met06_master011	CCV				05/11/23 21:09	1.0	10 1	
194	met06_master011	CCB				05/11/23 21:12	1.0	1	
195	met06_master011	BLANK	QC1065179	Water	313768	05/11/23 21:18	1.0	1	
196	met06_master011	LCS	QC1065180	Water	313768	05/11/23 21:21	1.0	1	
197	met06_master011	MSS	484940-001	Water	313768	05/11/23 21:25	1.0	1	1:NA=1200
198	met06_master011	MS	QC1065181	Water	313768	05/11/23 21:28	1.0	1	1:NA=1300
199	met06_master011	MSD	QC1065182	Water	313768	05/11/23 21:31	1.0	1	1:NA=1300
200	met06_master011	MSS	484209-002	Soil	313725	05/11/23 21:34	1.0	1	3:ALASAL2O3=280
201	met06_master011	MS	QC1065039	Soil	313725	05/11/23 21:38	1.0	1	4:ALASAL2O3=430
202	met06_master011	MSD	QC1065040	Soil	313725	05/11/23 21:41	1.0	1	4:ALASAL2O3=400
203	met06_master011	PDS	QC1065041	Soil	313725	05/11/23 21:44	1.0	1	3:ALASAL2O3=280
204	met06_master011	SAMPLE	484961-001	Soil	313725	05/11/23 21:47	1.0	1	1:FE=250
205	met06_master011	CCV				05/11/23 21:51	1.0	10 1	
206	met06_master011	CCB				05/11/23 21:54	1.0	1	
207	met06_master011	SAMPLE	484961-002	Soil	313725	05/11/23 21:57	1.0	1	1:FE=250
208	met06_master011	SAMPLE	484891-008	Wipe	313731	05/11/23 22:00	1.0	1	1:FE=50

Instrument: MET06 Method: EPA 6010B									
Begun: 05/11/23 10:18									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
209	met06_master011	SAMPLE	484682-003	Water	313726	05/11/23 22:04	1.0	1	
210	met06_master011	SAMPLE	484682-004	Water	313726	05/11/23 22:07	1.0	1	
211	met06_master011	SAMPLE	484682-005	Water	313726	05/11/23 22:10	1.0	1	1:FE=27
212	met06_master011	SAMPLE	484209-004	Soil	313725	05/11/23 22:13	1.0	1	1:FE=160
213	met06_master011	SAMPLE	484209-006	Soil	313725	05/11/23 22:17	1.0	1	3:FE=260
214	met06_master011	CCV				05/11/23 22:20	1.0	10 1	
215	met06_master011	CCB				05/11/23 22:23	1.0	1	

SBW 05/12/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 215.

Standards Used:

1=S14463 2=S18001 3=S18000 4=S17999 5=S17998 6=S17997 7=S17996 8=S18321 9=S17995 10=S18304 11=S18097 12=S18280 13=S18281

Date: 05/11/23
Sequence: MET06 05/11/23

Reference: met06_master011
Analyzed: 05/11/23 10:18

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	30947500	1307730	80618
		LOWER LIMIT	9284250	392319	24185
		UPPER LIMIT	61895000	2615460	161236
012	ICB		30187000	1256370	80000
014	ICSAB		26388500	1199180	74898
015	ICSA		26596200	1201980	75410
016	LCS	QC1064713	25138400	1176530	74924
017	MSS	484067-001	24204300	1141730	72205
018	MS	QC1064715	24815700	1146060	73273
019	MSD	QC1064716	24740700	1139470	73010
020	SAMPLE	484461-001	24315600	1181360	73758
021	MSS	484707-001	28294400	1202730	77865
022	MS	QC1064358	28739700	1227840	79020
023	MSD	QC1064359	28480500	1200030	78519
024	PDS	QC1064360	28501600	1209590	79275
025	SAMPLE	484707-002	27998400	1195760	78042
026	CCV		28096700	1199920	77203
027	CCB		29617500	1249780	78333
028	SAMPLE	484707-003	27612100	1180400	76744
029	SAMPLE	484707-004	28540700	1209810	78629
030	SAMPLE	484707-005	28656600	1228120	78424
031	SAMPLE	484750-001	26542600	1199420	76277
032	SAMPLE	484750-004	27397700	1171980	77011
033	SAMPLE	484750-007	27825300	1196860	78599
034	SAMPLE	484750-010	27339400	1170330	77821
035	SAMPLE	484750-013	27413400	1172640	76943
036	SAMPLE	484750-016	26971000	1205200	78300
037	SAMPLE	484750-019	27539800	1177940	78533
038	CCV		28774000	1227520	77165
039	CCB		29892700	1265220	79868
040	SAMPLE	484750-022	27039000	1178570	77178
042	BLANK	QC1064342	28390900	1234990	76698
043	BS	QC1064343	28446200	1232470	78089
044	BSD	QC1064344	28318100	1228730	77241
045	SAMPLE	484650-015	28529600	1235210	77637
046	CCV		28086000	1218810	77960
047	CCB		29812000	1262500	79692
048	BLANK	QC1065005	30689900	1278490	79678
049	LCS	QC1065006	29528900	1260780	79462
050	BLANK	QC1064140	28381500	1228930	77554
051	BS	QC1064141	28251800	1213390	77321
052	BSD	QC1064142	27841800	1214020	75976
053	SAMPLE	484224-001	27977900	1209610	77085
054	MSS	484681-001	29225600	1233870	78148
055	MS	QC1063819	28492200	1223650	77814
056	MSD	QC1063820	28393400	1209380	76998
057	SAMPLE	484682-001	25646900	1166960	74341
058	CCV		27580500	1174810	75630
059	CCB		29206800	1232960	78359
060	SAMPLE	484682-003	26399400	1188500	75585
061	SAMPLE	484682-004	25134000	1156100	74676

Date: 05/11/23
Sequence: MET06 05/11/23

Reference: met06_master011
Analyzed: 05/11/23 10:18

#	Type	Sample ID	Y H	Y A	Y R
062	BS	QC1064343	28230800	1216830	77073
063	BSD	QC1064344	28291700	1218690	77245
064	CCV		27723100	1191000	76485
065	CCB		29395200	1235590	79736
066	BLANK	QC1064871	28662600	1195470	78348
067	LCS	QC1064872	28354500	1173820	76057
068	SAMPLE	484786-005	27769200	1187430	77274
069	SAMPLE	484787-001	28643800	1165870	78397
070	MSS	484837-004	28038000	1184720	77728
071	MS	QC1064873	28605700	1191980	77431
072	MSD	QC1064874	28372400	1209190	77789
073	PDS	QC1065058	28572000	1218960	78631
074	SAMPLE	484846-022	28072400	1189030	77469
075	SAMPLE	484880-001	29352900	1249590	79957
076	CCV		28721600	1232740	77995
077	CCB		30392400	1286950	80309
078	SAMPLE	484880-002	29333100	1236500	80122
079	SAMPLE	484916-001	28252400	1208720	78482
080	SAMPLE	484919-001	27941300	1198560	78003
081	SAMPLE	484919-002	28078900	1200010	77679
082	SAMPLE	484919-003	28232100	1192110	78438
083	SAMPLE	484919-004	27981100	1209610	78509
084	SAMPLE	484919-005	27195000	1183250	77277
085	SAMPLE	484919-006	28129800	1199490	77695
086	SAMPLE	484921-001	28112200	1207060	77499
087	BLANK	QC1064995	30008000	1261730	79061
088	CCV		28744300	1250210	78041
089	CCB		30742100	1270870	78989
090	LCS	QC1064996	28833700	1220970	78139
091	MSS	484846-020	29145200	1237110	78282
092	MS	QC1064997	28209800	1209480	78919
093	MSD	QC1064998	28415300	1212440	78415
094	SAMPLE	484868-001	29722400	1241240	79169
095	SAMPLE	484868-002	29365300	1241610	79034
096	SAMPLE	484868-003	28965300	1243370	78322
097	SAMPLE	484868-004	30047400	1263510	79144
098	SAMPLE	484868-005	29660000	1261640	79336
099	SAMPLE	484868-006	29079100	1241520	78156
100	CCV		29329400	1257440	78901
101	CCB		30694600	1270880	78920
102	SAMPLE	484868-007	29244500	1250660	79159
103	SAMPLE	484868-008	28762700	1230580	78387
104	SAMPLE	484868-009	28516400	1217580	77045
105	SAMPLE	484868-010	29517000	1254650	78467
106	BLANK	QC1065042	31433700	1318830	82100
107	LCS	QC1065043	29769900	1275210	79458
109	CCV		28878800	1246550	78233
110	CCB		30407500	1266790	79639
112	SAMPLE	484868-011	29327800	1228940	77759
113	SAMPLE	484868-012	28941600	1216590	77720
114	SAMPLE	484868-013	29755600	1237310	78675
115	SAMPLE	484868-016	29589900	1237580	78474

Date: 05/11/23
Sequence: MET06 05/11/23

Reference: met06_master011
Analyzed: 05/11/23 10:18

#	Type	Sample ID	Y H	Y A	Y R
116	SAMPLE	484868-017	29731600	1252880	78267
117	SAMPLE	484868-018	28843300	1220300	78060
118	BLANK	QC1065063	27268600	1181210	74776
119	BS	QC1065064	27610500	1197180	75070
121	BSD	QC1065065	27123300	1197240	76451
122	CCV		30025400	1259890	79590
123	CCB		31465800	1309430	82071
124	SAMPLE	484920-001	26814500	1164710	76266
125	SAMPLE	484920-002	28411100	1186890	77348
126	SAMPLE	484920-003	28165600	1185060	77027
127	BLANK	QC1065066	30045400	1241200	78232
128	BS	QC1065070	29173800	1220600	77727
129	BSD	QC1065071	29565200	1240260	77361
130	SAMPLE	484891-002	29002600	1204050	79181
131	SAMPLE	484891-004	29733500	1243470	80310
132	SAMPLE	484891-006	29148300	1205060	79546
133	CCV		30264900	1273740	79557
134	CCB		31398200	1326430	82260
135	SAMPLE	484891-010	29081600	1201420	79754
136	SAMPLE	484891-012	29663700	1226640	80221
137	SAMPLE	484891-014	29089400	1203910	79775
138	SAMPLE	484891-016	28839600	1197870	79054
139	SAMPLE	484891-018	28705900	1191700	79035
140	SAMPLE	484891-020	28863000	1203120	79526
141	SAMPLE	484891-022	29490400	1228080	80403
142	SAMPLE	484891-024	29871400	1238910	80243
143	SAMPLE	484891-026	29894100	1236880	81270
144	SAMPLE	484907-002	28861700	1209360	79277
145	CCV		29862000	1264890	78619
146	CCB		31682100	1333380	81557
147	SAMPLE	484907-004	28643900	1201960	78960
148	SAMPLE	484907-006	29108700	1209880	79079
149	SAMPLE	484907-007	28308400	1169460	78260
150	SAMPLE	484907-010	29409300	1221960	79755
151	SAMPLE	484907-013	29297800	1206560	78633
152	SAMPLE	484907-015	28366800	1185420	78079
153	BLANK	QC1065086	29520000	1227900	77167
154	BS	QC1065088	29663000	1227650	77949
155	BSD	QC1065089	29725200	1229500	78029
156	SAMPLE	484907-016	29464900	1223640	79563
157	CCV		28982500	1236150	77750
158	CCB		30802000	1294320	79546
159	SAMPLE	484907-018	28254500	1172180	77918
160	SAMPLE	484907-020	29191800	1180860	78328
161	SAMPLE	484907-022	27793000	1158320	77264
162	SAMPLE	484907-024	28453200	1175360	79285
163	MSS	484660-001	30045700	1269230	80645
164	MS	QC1065044	28696000	1227830	78430
165	MSD	QC1065045	28760500	1225650	78340
166	SAMPLE	484677-001	25851400	1171170	74724
167	SAMPLE	484677-002	26896100	1168290	75518
168	SAMPLE	484677-003	26829700	1165040	74953

Date: 05/11/23
Sequence: MET06 05/11/23

Reference: met06_master011
Analyzed: 05/11/23 10:18

#	Type	Sample ID	Y H	Y A	Y R
169	CCV		28619800	1238340	77536
170	CCB		30225200	1269550	79427
171	SAMPLE	484677-004	25223300	1171810	73814
172	SAMPLE	484677-005	25835800	1182990	74855
173	SAMPLE	484677-006	26000100	1162290	75175
174	SAMPLE	484677-007	26350700	1145540	75237
175	SAMPLE	484677-008	26024700	1172040	74713
176	SAMPLE	484677-010	26008300	1158780	76722
177	MSS	484681-001	29463900	1232010	77968
179	MS	QC1065046	28636400	1235110	77244
180	MSD	QC1065047	28678300	1221160	77059
181	CCV		27537600	1194760	75189
182	CCB		29443400	1258320	77906
183	SAMPLE	484682-001	26168900	1205960	74833
184	SAMPLE	484682-002	26844500	1175120	75770
185	BLANK	QC1064492	31968200	1356820	81032
186	LCS	QC1064493	30257500	1292140	79262
187	SAMPLE	484726-001	30860300	1316840	100203
188	MSS	484726-002	30437600	1304680	79803
189	MS	QC1064494	30173200	1290750	79393
190	MSD	QC1064495	29886700	1291050	79266
191	BLANK	QC1065037	30062000	1274060	78117
192	LCS	QC1065038	29645900	1276310	77745
193	CCV		29312200	1272660	78278
194	CCB		31017800	1326530	80520
195	BLANK	QC1065179	31526800	1347920	80246
196	LCS	QC1065180	30308900	1316420	79190
197	MSS	484940-001	26909300	1238440	74782
198	MS	QC1065181	26366300	1237930	74907
199	MSD	QC1065182	26630300	1233250	74239
200	MSS	484209-002	29113000	1261250	78317
201	MS	QC1065039	29044400	1259200	78030
202	MSD	QC1065040	29302700	1263780	78104
203	PDS	QC1065041	29384400	1265650	78170
204	SAMPLE	484961-001	28900100	1251180	77690
205	CCV		29592200	1274830	77957
206	CCB		31191900	1328720	79083
207	SAMPLE	484961-002	28688900	1243350	76683
208	SAMPLE	484891-008	29269000	1227340	78581
209	SAMPLE	484682-003	27618800	1199840	76377
210	SAMPLE	484682-004	26549100	1158610	74543
211	SAMPLE	484682-005	27313400	1208380	74865
212	SAMPLE	484209-004	28465500	1232670	77412
213	SAMPLE	484209-006	28640800	1239240	78699
214	CCV		29112200	1249280	77129
215	CCB		30791800	1271730	78279

Instrument: MET06
 Calibration #: 483189258001
 Units: mg/L

Date: 11-MAY-2023 10:18
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483189258002	L1	11-MAY-2023 10:22	S18001, S14463 (100X)
L2	met06_master011	483189258003	L2	11-MAY-2023 10:25	S18000, S14463 (100X)
L3	met06_master011	483189258004	L3	11-MAY-2023 10:28	S17999, S14463 (100X)
L4	met06_master011	483189258005	L4	11-MAY-2023 10:32	S17998, S14463 (100X)
L5	met06_master011	483189258006	L5	11-MAY-2023 10:35	S17997, S14463 (100X)
L6	met06_master011	483189258007	L6	11-MAY-2023 10:38	S17996, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	10.00E-4	37.8712		0.0259	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	0.0237	0.0240	0.0281	0.0271	0.0262	0.0264

Spiked Amounts / Drifts	Ch	L1 %D	L2 %D	L3 %D	L4 %D	L5 %D	L6 %D
Lead	A	0.0033 20	0.0100 1	0.1000 7	1.0000 3	5.0000 -1	10.000 0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 484907 METALS Wipe
EPA 6010B

Inst: MET06
Calnum: 483189258001

Cal Date: 11-MAY-2023

- ICV 483189258010 (11-MAY-2023) stds: S18304, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.065	mg/l	6	10	

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258012	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 10:57
Caldate: 11-MAY-2023	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001838]	0.003333	---	mg/l	!!CB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	30187000	-2.46
Yttrium	A	1307730	1256370	-3.93
Yttrium	R	80618	80000	-0.77

!=warning ICB=instrument blank

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258014	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 11:04
Caldate: 11-MAY-2023	

Standards: S18281, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9801	mg/l	-2	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	26388500	-14.73
Yttrium	A	1307730	1199180	-8.30
Yttrium	R	80618	74898	-7.10

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 484907 METALS Wipe
EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483189258015	Caldate: 11-MAY-2023	Time: 11-MAY-2023 11:08
Cal: 483189258001		

Standards: S18280, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.01750	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	137.1	mg/l	86	
Magnesium	R	400.0	427.8	mg/l	107	calc

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	26596200	-14.06
Yttrium	A	1307730	1201980	-8.09
Yttrium	R	80618	75410	-6.46

+ = high bias a = ICSA calc = check quantitation

ENTHALPY CONTINUING CALIBRATION FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258122	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 17:08
Caldate: 11-MAY-2023	

Standards: S18304, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0259	0.0281	1.000	1.066	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	30025400	-2.98
Yttrium	A	1307730	1259890	-3.66
Yttrium	R	80618	79590	-1.28

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258123	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 17:11
Caldate: 11-MAY-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	30947500	31465800	1.67
Yttrium	A	1307730	1309430	0.13
Yttrium	R	80618	82071	1.80

ENTHALPY CONTINUING CALIBRATION FOR 484907 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258133	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 17:47
Caldate: 11-MAY-2023	

Standards: S18304, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0259	0.0281	1.000	1.067	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	30264900	-2.21
Yttrium	A	1307730	1273740	-2.60
Yttrium	R	80618	79557	-1.32

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258134	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 17:50
Caldate: 11-MAY-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	30947500	31398200	1.46
Yttrium	A	1307730	1326430	1.43
Yttrium	R	80618	82260	2.04

ENTHALPY CONTINUING CALIBRATION FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258145	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 18:26
Caldate: 11-MAY-2023	

Standards: S18304, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0259	0.0283	1.000	1.072	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	29862000	-3.51
Yttrium	A	1307730	1264890	-3.28
Yttrium	R	80618	78619	-2.48

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258146	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 18:29
Caldate: 11-MAY-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	30947500	31682100	2.37
Yttrium	A	1307730	1333380	1.96
Yttrium	R	80618	81557	1.17

ENTHALPY CONTINUING CALIBRATION FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258157	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 19:05
Caldate: 11-MAY-2023	

Standards: S18304, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0259	0.0284	1.000	1.075	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	28982500	-6.35
Yttrium	A	1307730	1236150	-5.47
Yttrium	R	80618	77750	-3.56

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258158	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 19:08
Caldate: 11-MAY-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	30947500	30802000	-0.47
Yttrium	A	1307730	1294320	-1.03
Yttrium	R	80618	79546	-1.33

ENTHALPY CONTINUING CALIBRATION FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258169	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 19:44
Caldate: 11-MAY-2023	

Standards: S18304, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0259	0.0275	1.000	1.042	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	28619800	-7.52
Yttrium	A	1307730	1238340	-5.31
Yttrium	R	80618	77536	-3.82

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258170	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 19:47
Caldate: 11-MAY-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	30947500	30225200	-2.33
Yttrium	A	1307730	1269550	-2.92
Yttrium	R	80618	79427	-1.48

SAMPLE PREPARATION SUMMARY

Batch #: 313731
Started By: MLL

Method: 3050B
Prep Date: 11-MAY-2023 12:05

Analysis: ICP
Finished By: MTY

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18015	Spike S18016	Analysis
484891-002	Wipe	1 ft2	50 mL	50.0				6010
484891-004	Wipe	1.08 ft2	50 mL	46.30				6010
484891-006	Wipe	1.05 ft2	50 mL	47.62				6010
484891-008	Wipe	1.03 ft2	50 mL	48.54				6010
484891-010	Wipe	1 ft2	50 mL	50.0				6010
484891-012	Wipe	1 ft2	50 mL	50.0				6010
484891-014	Wipe	1 ft2	50 mL	50.0				6010
484891-016	Wipe	1 ft2	50 mL	50.0				6010
484891-018	Wipe	1 ft2	50 mL	50.0				6010
484891-020	Wipe	1.02 ft2	50 mL	49.02				6010
484891-022	Wipe	1 ft2	50 mL	50.0				6010
484891-024	Wipe	1 ft2	50 mL	50.0				6010
484891-026	Wipe	1 ft2	50 mL	50.0				6010
484907-002	Wipe	1 ft2	50 mL	50.0				6010
484907-004	Wipe	1 ft2	50 mL	50.0				6010
484907-006	Wipe	1 ft2	50 mL	50.0				6010
484907-007	Wipe	1 ft2	50 mL	50.0				6010
484907-010	Wipe	1.02 ft2	50 mL	49.02				6010
484907-013	Wipe	1.02 ft2	50 mL	49.02				6010
484907-015	Wipe	1 ft2	50 mL	50.0				6010
QC1065066 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1065070 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1065071 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP

Analyst: SBW 05/12/23

Reviewer: MCP 05/12/23

ICP Prep Log for Soils

Initials: MH Prep Method: 3060B AC Batch #: 313731 Therm ID/Corr Factor: 942650 / 0
 Prep Start, Date/Time: 5/11/23 12:05 Prep End, Date/Time: 5/11/23 14:54 HotBlock Temp (Obs/Cor), °C: 96 / 96

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank						50		
LCS								
LCS								
484891-2			white					
-4								
-6								
-8								
-10								
-12								
-14								
-16								
-18								
-20								
-22								
-24								
-26								
907-2								
-4								
-6								
-8								
-10								
-13								
-15								

Hydrochloric Acid ID: 5 mL 23C1362023
 Nitric Acid ID: 10 mL 2022101782
 H₂O₂ ID: 1 mL 031003

LCS Spike ID: 0.5 mL 516015.516016
 MS/MSD Spike ID: N/A

SAMPLE PREPARATION SUMMARY

Batch #: 313734
Started By: MLL

Method: 3050B
Prep Date: 11-MAY-2023 12:05

Analysis: ICP
Finished By: MTY

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18015	Spike S18016	Analysis
484907-016	Wipe	1 ft2	50 mL	50.0				6010
484907-018	Wipe	1.0828 ft2	50 mL	46.18				6010
484907-020	Wipe	1 ft2	50 mL	50.0				6010
484907-022	Wipe	1.0828 ft2	50 mL	46.18				6010
484907-024	Wipe	1 ft2	50 mL	50.0				6010
QC1065086 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1065088 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1065089 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP

Analyst: SBW 05/12/23

Reviewer: MCP 05/12/23

QC Batch #: 313734

Prep End, Date/Time: 5/11/23 14:58

HotBlock ID: 3

Hydrochloric Acid ID: 5 mL 23C1362023

Nitric Acid ID: 10 mL 2022101782

H₂O₂ ID: 1 mL 031003

LCS Spike ID: 0.5 mL 518015, 518016
MS/MSD Spike ID: N/A

2/1/2

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ICP Raw Data

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
001	met06_master011	ICALBLK	CALBLANK			05/11/23 10:18	1.0	1	
002	met06_master011	ICAL	L1			05/11/23 10:22	1.0	2 1	
003	met06_master011	ICAL	L2			05/11/23 10:25	1.0	3 1	
004	met06_master011	ICAL	L3			05/11/23 10:28	1.0	4 1	
005	met06_master011	ICAL	L4			05/11/23 10:32	1.0	5 1	
006	met06_master011	ICAL	L5			05/11/23 10:35	1.0	6 1	
007	met06_master011	ICAL	L6			05/11/23 10:38	1.0	7 1	
008	met06_master011	ICAL	L7			05/11/23 10:41	1.0	8 1	
009	met06_master011	ICAL	L8			05/11/23 10:45	1.0	9 1	
010	met06_master011	ICV				05/11/23 10:51	1.0	10 1	
011	met06_master011	CRI				05/11/23 10:54	1.0	11 1	
012	met06_master011	ICB				05/11/23 10:57	1.0	1	
013	met06_master011	XICSA				05/11/23 11:00	1.0	12 1	5:MGASMGCO3=1500
014	met06_master011	ICSAB				05/11/23 11:04	1.0	13 1	5:MGASMGCO3=1500
015	met06_master011	ICSA				05/11/23 11:08	1.0	12 1	5:MGASMGCO3=1500
016	met06_master011	LCS	QC1064713	TCLP Leachate	313631	05/11/23 11:11	1.0	1	1:NA=1300
017	met06_master011	MSS	484067-001	TCLP Leachate	313631	05/11/23 11:15	1.0	1	2:NA=1500
018	met06_master011	MS	QC1064715	TCLP Leachate	313631	05/11/23 11:18	1.0	1	2:NA=1400
019	met06_master011	MSD	QC1064716	TCLP Leachate	313631	05/11/23 11:21	1.0	1	2:NA=1400
020	met06_master011	SAMPLE	484461-001	TCLP Leachate	313631	05/11/23 11:24	1.0	1	1:NA=1600
021	met06_master011	MSS	484707-001	Soil	313516	05/11/23 11:28	1.0	1	2:FEASFE2O3=100
022	met06_master011	MS	QC1064358	Soil	313516	05/11/23 11:31	1.0	1	3:ALASAL2O3=140
023	met06_master011	MSD	QC1064359	Soil	313516	05/11/23 11:34	1.0	1	3:ALASAL2O3=140
024	met06_master011	PDS	QC1064360	Soil	313516	05/11/23 11:38	1.0	1	3:ALASAL2O3=110
025	met06_master011	SAMPLE	484707-002	Soil	313516	05/11/23 11:41	1.0	1	1:FE=140
026	met06_master011	CCV				05/11/23 11:44	1.0	10 1	

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
027	met06_master011	CCB				05/11/23 11:47	1.0	1	
028	met06_master011	SAMPLE	484707-003	Soil	313516	05/11/23 11:51	1.0	1	1:FE=160
029	met06_master011	SAMPLE	484707-004	Soil	313516	05/11/23 11:54	1.0	1	1:FE=140
030	met06_master011	SAMPLE	484707-005	Soil	313516	05/11/23 11:57	1.0	1	1:FE=130
031	met06_master011	SAMPLE	484750-001	Soil	313516	05/11/23 12:00	1.0	1	2:FE=130
032	met06_master011	SAMPLE	484750-004	Soil	313516	05/11/23 12:04	1.0	1	1:FE=230
033	met06_master011	SAMPLE	484750-007	Soil	313516	05/11/23 12:07	1.0	1	2:FE=220
034	met06_master011	SAMPLE	484750-010	Soil	313516	05/11/23 12:10	1.0	1	2:FE=160
035	met06_master011	SAMPLE	484750-013	Soil	313516	05/11/23 12:13	1.0	1	3:FE=230
036	met06_master011	SAMPLE	484750-016	Soil	313516	05/11/23 12:17	1.0	1	1:FE=130
037	met06_master011	SAMPLE	484750-019	Soil	313516	05/11/23 12:20	1.0	1	1:FE=150
038	met06_master011	CCV				05/11/23 12:23	1.0	10 1	
039	met06_master011	CCB				05/11/23 12:26	1.0	1	
040	met06_master011	SAMPLE	484750-022	Soil	313516	05/11/23 12:30	1.0	1	1:FE=150
041	met06_master011	XBLANK	QC1064342	WET Leachate	313514	05/11/23 12:33	1.0	1	
042	met06_master011	BLANK	QC1064342	WET Leachate	313514	05/11/23 12:41	1.0	1	
043	met06_master011	BS	QC1064343	WET Leachate	313514	05/11/23 12:44	1.0	1	
044	met06_master011	BSD	QC1064344	WET Leachate	313514	05/11/23 12:48	1.0	1	
045	met06_master011	SAMPLE	484650-015	WET Leachate	313514	05/11/23 12:51	1.0	1	
046	met06_master011	CCV				05/11/23 12:54	1.0	10 1	
047	met06_master011	CCB				05/11/23 12:58	1.0	1	
048	met06_master011	BLANK	QC1065005	Water	313717	05/11/23 13:01	1.0	1	
049	met06_master011	LCS	QC1065006	Water	313717	05/11/23 13:04	1.0	1	
050	met06_master011	BLANK	QC1064140	WET Leachate	313443	05/11/23 13:08	1.0	1	
051	met06_master011	BS	QC1064141	WET Leachate	313443	05/11/23 13:11	1.0	1	
052	met06_master011	BSD	QC1064142	WET Leachate	313443	05/11/23 13:14	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
053	met06_master011	SAMPLE	484224-001	WET Leachate	313443	05/11/23 13:18	1.0	1	1:FE=18
054	met06_master011	MSS	484681-001	Water	313363	05/11/23 13:21	1.0	1	
055	met06_master011	MS	QC1063819	Water	313363	05/11/23 13:24	1.0	1	
056	met06_master011	MSD	QC1063820	Water	313363	05/11/23 13:27	1.0	1	
057	met06_master011	SAMPLE	484682-001	Water	313363	05/11/23 13:31	1.0	1	
058	met06_master011	CCV				05/11/23 13:34	1.0	10 1	
059	met06_master011	CCB				05/11/23 13:37	1.0	1	
060	met06_master011	SAMPLE	484682-003	Water	313363	05/11/23 13:41	1.0	1	
061	met06_master011	SAMPLE	484682-004	Water	313363	05/11/23 13:44	1.0	1	
062	met06_master011	BS	QC1064343	WET Leachate	313514	05/11/23 13:47	1.0	1	
063	met06_master011	BSD	QC1064344	WET Leachate	313514	05/11/23 13:50	1.0	1	
064	met06_master011	CCV				05/11/23 13:54	1.0	10 1	
065	met06_master011	CCB				05/11/23 13:57	1.0	1	
066	met06_master011	BLANK	QC1064871	Soil	313678	05/11/23 14:03	1.0	1	
067	met06_master011	LCS	QC1064872	Soil	313678	05/11/23 14:06	1.0	1	
068	met06_master011	SAMPLE	484786-005	Soil	313678	05/11/23 14:09	1.0	1	1:FE=51
069	met06_master011	SAMPLE	484787-001	Soil	313678	05/11/23 14:13	1.0	1	1:FE=250
070	met06_master011	MSS	484837-004	Soil	313678	05/11/23 14:16	1.0	1	3:ALASAL2O3=82
071	met06_master011	MS	QC1064873	Soil	313678	05/11/23 14:19	1.0	1	3:ALASAL2O3=160
072	met06_master011	MSD	QC1064874	Soil	313678	05/11/23 14:22	1.0	1	3:ALASAL2O3=380
073	met06_master011	PDS	QC1065058	Soil	313678	05/11/23 14:26	1.0	1	3:ALASAL2O3=83
074	met06_master011	SAMPLE	484846-022	Soil	313678	05/11/23 14:29	1.0	1	1:FE=260
075	met06_master011	SAMPLE	484880-001	Soil	313678	05/11/23 14:32	1.0	1	1:FE=130
076	met06_master011	CCV				05/11/23 14:35	1.0	10 1	
077	met06_master011	CCB				05/11/23 14:39	1.0	1	
078	met06_master011	SAMPLE	484880-002	Soil	313678	05/11/23 14:42	1.0	1	1:FE=140

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master011	SAMPLE	484916-001	Soil	313678	05/11/23 14:45	1.0	1	1:FE=250
080	met06_master011	SAMPLE	484919-001	Soil	313678	05/11/23 14:48	1.0	1	3:FE=240
081	met06_master011	SAMPLE	484919-002	Soil	313678	05/11/23 14:52	1.0	1	2:FE=220
082	met06_master011	SAMPLE	484919-003	Soil	313678	05/11/23 14:55	1.0	1	2:FE=210
083	met06_master011	SAMPLE	484919-004	Soil	313678	05/11/23 14:58	1.0	1	2:FE=240
084	met06_master011	SAMPLE	484919-005	Soil	313678	05/11/23 15:01	1.0	1	2:FE=210
085	met06_master011	SAMPLE	484919-006	Soil	313678	05/11/23 15:05	1.0	1	2:FE=200
086	met06_master011	SAMPLE	484921-001	Soil	313678	05/11/23 15:08	1.0	1	2:FE=210
087	met06_master011	BLANK	QC1064995	Water	313713	05/11/23 15:11	1.0	1	
088	met06_master011	CCV				05/11/23 15:14	1.0	10 1	
089	met06_master011	CCB				05/11/23 15:18	1.0	1	
090	met06_master011	LCS	QC1064996	Water	313713	05/11/23 15:21	1.0	1	
091	met06_master011	MSS	484846-020	Water	313713	05/11/23 15:24	1.0	1	
092	met06_master011	MS	QC1064997	Water	313713	05/11/23 15:27	1.0	1	
093	met06_master011	MSD	QC1064998	Water	313713	05/11/23 15:30	1.0	1	
094	met06_master011	SAMPLE	484868-001	Water	313713	05/11/23 15:34	1.0	1	
095	met06_master011	SAMPLE	484868-002	Water	313713	05/11/23 15:37	1.0	1	1:FE=29
096	met06_master011	SAMPLE	484868-003	Water	313713	05/11/23 15:40	1.0	1	3:CR=220
097	met06_master011	SAMPLE	484868-004	Water	313713	05/11/23 15:43	1.0	1	
098	met06_master011	SAMPLE	484868-005	Water	313713	05/11/23 15:47	1.0	1	1:FE=41
099	met06_master011	SAMPLE	484868-006	Water	313713	05/11/23 15:50	1.0	1	3:CR=200
100	met06_master011	CCV				05/11/23 15:53	1.0	10 1	
101	met06_master011	CCB				05/11/23 15:56	1.0	1	
102	met06_master011	SAMPLE	484868-007	Water	313713	05/11/23 16:00	1.0	1	
103	met06_master011	SAMPLE	484868-008	Water	313713	05/11/23 16:03	1.0	1	1:FE=34
104	met06_master011	SAMPLE	484868-009	Water	313713	05/11/23 16:06	1.0	1	3:CR=230

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master011	SAMPLE	484868-010	Water	313713	05/11/23 16:09	1.0	1	
106	met06_master011	BLANK	QC1065042	Water	313726	05/11/23 16:13	1.0	1	
107	met06_master011	LCS	QC1065043	Water	313726	05/11/23 16:17	1.0	1	
108	met06_master011	UNKNOWN	CCV			05/11/23 16:20	1.0	1	
109	met06_master011	CCV				05/11/23 16:23	1.0	10 1	
110	met06_master011	CCB				05/11/23 16:26	1.0	1	
111	met06_master011	UNKNOWN	STD4			05/11/23 16:30	1.0	1	
112	met06_master011	SAMPLE	484868-011	Water	313713	05/11/23 16:34	1.0	1	1:FE=30
113	met06_master011	SAMPLE	484868-012	Water	313713	05/11/23 16:37	1.0	1	3:CR=220
114	met06_master011	SAMPLE	484868-013	Water	313713	05/11/23 16:40	1.0	1	
115	met06_master011	SAMPLE	484868-016	Water	313713	05/11/23 16:43	1.0	1	
116	met06_master011	SAMPLE	484868-017	Water	313713	05/11/23 16:47	1.0	1	1:FE=27
117	met06_master011	SAMPLE	484868-018	Water	313713	05/11/23 16:50	1.0	1	3:CR=220
118	met06_master011	BLANK	QC1065063	Air	313732	05/11/23 16:53	1.0	1	
119	met06_master011	BS	QC1065064	Air	313732	05/11/23 16:56	1.0	1	
120	met06_master011	UNKNOWN	1PPM ICPMS			05/11/23 17:01	1.0	1	
121	met06_master011	BSD	QC1065065	Air	313732	05/11/23 17:04	1.0	1	
122	met06_master011	CCV				05/11/23 17:08	1.0	10 1	
123	met06_master011	CCB				05/11/23 17:11	1.0	1	
124	met06_master011	SAMPLE	484920-001	Air	313732	05/11/23 17:14	1.0	1	
125	met06_master011	SAMPLE	484920-002	Air	313732	05/11/23 17:17	1.0	1	
126	met06_master011	SAMPLE	484920-003	Air	313732	05/11/23 17:21	1.0	1	
127	met06_master011	BLANK	QC1065066	Wipe	313731	05/11/23 17:24	1.0	1	
128	met06_master011	BS	QC1065070	Wipe	313731	05/11/23 17:27	1.0	1	
129	met06_master011	BSD	QC1065071	Wipe	313731	05/11/23 17:30	1.0	1	
130	met06_master011	SAMPLE	484891-002	Wipe	313731	05/11/23 17:34	1.0	1	1:FE=63

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
131	met06_master011	SAMPLE	484891-004	Wipe	313731	05/11/23 17:37	1.0	1	1:FE=34
132	met06_master011	SAMPLE	484891-006	Wipe	313731	05/11/23 17:40	1.0	1	1:FE=34
133	met06_master011	CCV				05/11/23 17:47	1.0	10 1	
134	met06_master011	CCB				05/11/23 17:50	1.0	1	
135	met06_master011	SAMPLE	484891-010	Wipe	313731	05/11/23 17:53	1.0	1	1:FE=44
136	met06_master011	SAMPLE	484891-012	Wipe	313731	05/11/23 17:56	1.0	1	1:FE=65
137	met06_master011	SAMPLE	484891-014	Wipe	313731	05/11/23 18:00	1.0	1	1:FE=20
138	met06_master011	SAMPLE	484891-016	Wipe	313731	05/11/23 18:03	1.0	1	1:FE=32
139	met06_master011	SAMPLE	484891-018	Wipe	313731	05/11/23 18:06	1.0	1	1:FE=32
140	met06_master011	SAMPLE	484891-020	Wipe	313731	05/11/23 18:09	1.0	1	1:FE=45
141	met06_master011	SAMPLE	484891-022	Wipe	313731	05/11/23 18:13	1.0	1	1:FE=59
142	met06_master011	SAMPLE	484891-024	Wipe	313731	05/11/23 18:16	1.0	1	1:FE=27
143	met06_master011	SAMPLE	484891-026	Wipe	313731	05/11/23 18:19	1.0	1	
144	met06_master011	SAMPLE	484907-002	Wipe	313731	05/11/23 18:22	1.0	1	1:FE=77
145	met06_master011	CCV				05/11/23 18:26	1.0	10 1	
146	met06_master011	CCB				05/11/23 18:29	1.0	1	
147	met06_master011	SAMPLE	484907-004	Wipe	313731	05/11/23 18:32	1.0	1	1:FE=110
148	met06_master011	SAMPLE	484907-006	Wipe	313731	05/11/23 18:35	1.0	1	1:FE=120
149	met06_master011	SAMPLE	484907-007	Wipe	313731	05/11/23 18:39	1.0	1	1:FE=150
150	met06_master011	SAMPLE	484907-010	Wipe	313731	05/11/23 18:42	1.0	1	1:FE=81
151	met06_master011	SAMPLE	484907-013	Wipe	313731	05/11/23 18:45	1.0	1	1:FE=98
152	met06_master011	SAMPLE	484907-015	Wipe	313731	05/11/23 18:48	1.0	1	1:FE=110
153	met06_master011	BLANK	QC1065086	Wipe	313734	05/11/23 18:52	1.0	1	
154	met06_master011	BS	QC1065088	Wipe	313734	05/11/23 18:55	1.0	1	
155	met06_master011	BSD	QC1065089	Wipe	313734	05/11/23 18:58	1.0	1	
156	met06_master011	SAMPLE	484907-016	Wipe	313734	05/11/23 19:01	1.0	1	1:FE=100

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
157	met06_master011	CCV				05/11/23 19:05	1.0	10 1	
158	met06_master011	CCB				05/11/23 19:08	1.0	1	
159	met06_master011	SAMPLE	484907-018	Wipe	313734	05/11/23 19:11	1.0	1	1:FE=180
160	met06_master011	SAMPLE	484907-020	Wipe	313734	05/11/23 19:14	1.0	1	1:FE=110
161	met06_master011	SAMPLE	484907-022	Wipe	313734	05/11/23 19:18	1.0	1	1:FE=120
162	met06_master011	SAMPLE	484907-024	Wipe	313734	05/11/23 19:21	1.0	1	1:FE=70
163	met06_master011	MSS	484660-001	Water	313726	05/11/23 19:24	1.0	1	
164	met06_master011	MS	QC1065044	Water	313726	05/11/23 19:27	1.0	1	
165	met06_master011	MSD	QC1065045	Water	313726	05/11/23 19:31	1.0	1	
166	met06_master011	SAMPLE	484677-001	Water	313726	05/11/23 19:34	1.0	1	1:NA=1000
167	met06_master011	SAMPLE	484677-002	Water	313726	05/11/23 19:37	1.0	1	
168	met06_master011	SAMPLE	484677-003	Water	313726	05/11/23 19:40	1.0	1	
169	met06_master011	CCV				05/11/23 19:44	1.0	10 1	
170	met06_master011	CCB				05/11/23 19:47	1.0	1	
171	met06_master011	SAMPLE	484677-004	Water	313726	05/11/23 19:50	1.0	1	2:NA=1200
172	met06_master011	SAMPLE	484677-005	Water	313726	05/11/23 19:53	1.0	1	1:FE=36
173	met06_master011	SAMPLE	484677-006	Water	313726	05/11/23 19:57	1.0	1	1:FE=24
174	met06_master011	SAMPLE	484677-007	Water	313726	05/11/23 20:00	1.0	1	1:MN=11
175	met06_master011	SAMPLE	484677-008	Water	313726	05/11/23 20:03	1.0	1	
176	met06_master011	SAMPLE	484677-010	Water	313726	05/11/23 20:07	1.0	1	2:FE=310
177	met06_master011	MSS	484681-001	Water	313726	05/11/23 20:10	1.0	1	
178	met06_master011	SDUP	QC1065130	Water	313726	05/11/23 20:13	1.0	1	
179	met06_master011	MS	QC1065046	Water	313726	05/11/23 20:16	1.0	1	
180	met06_master011	MSD	QC1065047	Water	313726	05/11/23 20:20	1.0	1	
181	met06_master011	CCV				05/11/23 20:23	1.0	10 1	
182	met06_master011	CCB				05/11/23 20:26	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 05/11/23 10:18

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
183	met06_master011	SAMPLE	484682-001	Water	313726	05/11/23 20:29	1.0	1	
184	met06_master011	SAMPLE	484682-002	Water	313726	05/11/23 20:33	1.0	1	
185	met06_master011	BLANK	QC1064492	Water	313561	05/11/23 20:42	1.0	1	
186	met06_master011	LCS	QC1064493	Water	313561	05/11/23 20:46	1.0	1	
187	met06_master011	SAMPLE	484726-001	Water	313561	05/11/23 20:49	1.0	1	
188	met06_master011	MSS	484726-002	Water	313561	05/11/23 20:52	1.0	1	
189	met06_master011	MS	QC1064494	Water	313561	05/11/23 20:56	1.0	1	
190	met06_master011	MSD	QC1064495	Water	313561	05/11/23 20:59	1.0	1	
191	met06_master011	BLANK	QC1065037	Soil	313725	05/11/23 21:02	1.0	1	
192	met06_master011	LCS	QC1065038	Soil	313725	05/11/23 21:05	1.0	1	
193	met06_master011	CCV				05/11/23 21:09	1.0	10 1	
194	met06_master011	CCB				05/11/23 21:12	1.0	1	
195	met06_master011	BLANK	QC1065179	Water	313768	05/11/23 21:18	1.0	1	
196	met06_master011	LCS	QC1065180	Water	313768	05/11/23 21:21	1.0	1	
197	met06_master011	MSS	484940-001	Water	313768	05/11/23 21:25	1.0	1	1:NA=1200
198	met06_master011	MS	QC1065181	Water	313768	05/11/23 21:28	1.0	1	1:NA=1300
199	met06_master011	MSD	QC1065182	Water	313768	05/11/23 21:31	1.0	1	1:NA=1300
200	met06_master011	MSS	484209-002	Soil	313725	05/11/23 21:34	1.0	1	3:ALASAL2O3=280
201	met06_master011	MS	QC1065039	Soil	313725	05/11/23 21:38	1.0	1	4:ALASAL2O3=430
202	met06_master011	MSD	QC1065040	Soil	313725	05/11/23 21:41	1.0	1	4:ALASAL2O3=400
203	met06_master011	PDS	QC1065041	Soil	313725	05/11/23 21:44	1.0	1	3:ALASAL2O3=280
204	met06_master011	SAMPLE	484961-001	Soil	313725	05/11/23 21:47	1.0	1	1:FE=250
205	met06_master011	CCV				05/11/23 21:51	1.0	10 1	
206	met06_master011	CCB				05/11/23 21:54	1.0	1	
207	met06_master011	SAMPLE	484961-002	Soil	313725	05/11/23 21:57	1.0	1	1:FE=250
208	met06_master011	SAMPLE	484891-008	Wipe	313731	05/11/23 22:00	1.0	1	1:FE=50

Instrument: MET06 Method: EPA 6010B									
Begun: 05/11/23 10:18									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
209	met06_master011	SAMPLE	484682-003	Water	313726	05/11/23 22:04	1.0	1	
210	met06_master011	SAMPLE	484682-004	Water	313726	05/11/23 22:07	1.0	1	
211	met06_master011	SAMPLE	484682-005	Water	313726	05/11/23 22:10	1.0	1	1:FE=27
212	met06_master011	SAMPLE	484209-004	Soil	313725	05/11/23 22:13	1.0	1	1:FE=160
213	met06_master011	SAMPLE	484209-006	Soil	313725	05/11/23 22:17	1.0	1	3:FE=260
214	met06_master011	CCV				05/11/23 22:20	1.0	10 1	
215	met06_master011	CCB				05/11/23 22:23	1.0	1	

SBW 05/12/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 215.

Standards Used:

1=S14463 2=S18001 3=S18000 4=S17999 5=S17998 6=S17997 7=S17996 8=S18321 9=S17995 10=S18304 11=S18097 12=S18280 13=S18281

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-002	Client ID: ARCH-C6E-EXT-1 TO 2-230509-L-WF
Seqnum: 483189258144	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313731	Time: 11-MAY-2023 18:22
Cal: 483189258001	Caldate: 11-MAY-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	0.1970	9.8	0.25	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1209360	-7.52

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-002,313731

Sample Type: Unknown Sample

Measure Date: 2023-05-11 18:22:53

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	24060.3000000	400.84200000	4200.15000000	4752.54000000	8610.47000000	7989.48000000	7202.52000000
Int RSD	0.74845700	11.24941997	0.39140983	0.61366974	0.52949723	2.67420408	0.37961436
Int SD	180.08100000	45.09240000	16.43980000	29.16490000	45.59220000	213.65500000	27.34180000
RelInt Mean	0.00001797	0.00384785	-0.00065749	0.00106703	0.00374349	0.10146000	0.00301412
RelInt RSD	20.50893304	20.09088192	1.06671605	0.94457513	0.99015892	2.00579539	0.84149271
RelInt SD	0.00000368	0.00077307	0.00000701	0.00001008	0.00003707	0.00203508	0.00002536
Conc Mean	<0.00044473[mg/l]	<0.04464630[mg/l]	<-0.03651460[mg/l]	0.00809673[mg/l]	0.01390940[mg/l]	8.15583000[mg/l]	0.01934710[mg/l]
Conc RSD	41.84570829	628.59856248	1.16851889	1.84000207	1.00908019	2.04466008	0.67582222
Conc SD	0.00018610[mg/l]	0.28064600[mg/l]	0.00042668[mg/l]	0.00014898[mg/l]	0.00014036[mg/l]	0.16675900[mg/l]	0.00013075[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	8280.56000000	300133	20563600	-153.11800000	118.72300000	854141	3632.92000000
Int RSD	0.25341402	1.31728600	0.23863477	73.92403245	32.52335268	0.65490241	0.20926252
Int SD	20.98410000	3953.61000000	49071.90000000	113.19100000	38.61270000	5593.79000000	7.60234000
RelInt Mean	0.00419450	0.00966065	17.07890000	-0.00077637	0.00060214	0.70574800	0.00014284
RelInt RSD	0.33880796	0.89601010	0.21536926	170.83029031	51.07291789	0.63871949	3.64558291
RelInt SD	0.00001421	0.00008656	0.03678270	0.00132627	0.00030753	0.00450775	0.00000521
Conc Mean	0.03695040[mg/l]	0.35150200[mg/l]	76.65290000[mg/l]	<0.66815000[mg/l]	0.98755400[mg/l]	0.64710000[mg/l]	<0.00040468[mg/l]
Conc RSD	0.33775277	0.91308727	0.21532127	1077.23116067	11.31148271	0.63891825	11.34218635
Conc SD	0.00012480[mg/l]	0.00320952[mg/l]	0.16505000[mg/l]	7.19752000[mg/l]	0.11170700[mg/l]	0.00413444[mg/l]	0.00004590[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	7926.65000000	10192.90000000	10476.70000000	3970.94000000	3312.59000000	8072.91000000	-96.73990000
Int RSD	1.64138697	0.45843675	0.76607329	0.40183181	0.62366004	0.22562620	89.73391538
Int SD	130.10700000	46.72800000	80.25920000	15.95650000	20.65930000	18.21460000	86.80850000
RelInt Mean	0.09817780	0.00528777	0.00517407	0.00039944	-0.00025002	0.00155531	-0.00185899
RelInt RSD	1.12942030	0.68471397	1.08249598	3.94952934	12.47571204	1.89208582	77.94931656
RelInt SD	0.00110884	0.00003621	0.00005601	0.00001578	0.00003119	0.00002943	0.00144907
Conc Mean	7.83733000[mg/l]	0.05471660[mg/l]	0.19695300[mg/l]	0.01437610[mg/l]	<-0.01558480[mg/l]	0.03644430[mg/l]	0.00182077[mg/l]
Conc RSD	1.13177702	0.67785462	1.07730778	5.33964010	13.28692059	1.88558979	128.30286088
Conc SD	0.08870110[mg/l]	0.00037090[mg/l]	0.00212179[mg/l]	0.00076763[mg/l]	0.00207074[mg/l]	0.00068719[mg/l]	0.00233610[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	694411	3875.19000000	7282.67000000	1209360	28861700	79277.20000000	1299560
Int RSD	7.33829101	0.45273909	0.44258081	0.18073609	0.99258533	0.08802543	0.19244667
Int SD	50957.90000000	17.54450000	32.23170000	2185.75000000	286477	69.78410000	2500.96000000
RelInt Mean	0.02313540	-0.00051319	0.00008479	---	---	---	1.07690000
RelInt RSD	8.00033715	5.87292741	1.17103323	---	---	---	0.03032296
RelInt SD	0.00185091	0.00003014	0.00000099	---	---	---	0.00032655
Conc Mean	0.26193000[mg/l]	<-0.03457140[mg/l]	0.01201300[mg/l]	1203710	28816200	79330.50000000	5.20553000[mg/l]
Conc RSD	8.00053449	6.58208808	1.97228835	---	---	---	0.03027742
Conc SD	0.02095580[mg/l]	0.00227552[mg/l]	0.00023693[mg/l]	2211.88000000	287004	83.30950000	0.00157610[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-144.60000000	-10.13310000	443508	26022.70000000	3989.90000000	72072.70000000	
Int RSD	21.22800830	810.90880382	0.31376661	1.02402518	1.03341688	0.18743990	
Int SD	30.69570000	82.17020000	1391.58000000	266.47900000	41.23230000	135.09300000	
RelInt Mean	-0.00252984	-0.00076289	0.36492800	0.01629880	0.00003359	0.05484620	
RelInt RSD	21.41135408	67.19335155	0.41355829	1.07641667	125.66099525	0.12548180	
RelInt SD	0.00054167	0.00051261	0.00150919	0.00017544	0.00004221	0.00006882	
Conc Mean	<-0.00352052[mg/l]	<-0.00369165[mg/l]	6.21298000[mg/l]	0.47397400[mg/l]	<-0.00027415[mg/l]	3.67306000[mg/l]	
Conc RSD	61.94851897	283.53175409	0.41398331	1.07234363	63.95828546	0.12522447	
Conc SD	0.00218091[mg/l]	0.01046700[mg/l]	0.02572070[mg/l]	0.00508263[mg/l]	0.00017534[mg/l]	0.00459957[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-004	Client ID: ARCH-C7E-EXT-1 TO 2-230509-L-WF
Seqnum: 483189258147	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313731	Time: 11-MAY-2023 18:32
Cal: 483189258001	Caldate: 11-MAY-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	1.319	66	0.25	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1201960	-8.09

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-004,313731

Sample Type: Unknown Sample

Measure Date: 2023-05-11 18:32:38

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	23997.9000000	386.52900000	4664.48000000	5064.66000000	8985.68000000	7338.25000000	9400.13000000
Int RSD	1.67303389	30.08001987	0.74278805	0.75190240	0.31377703	0.47865772	0.38694252
Int SD	401.49300000	116.26800000	34.64720000	38.08130000	28.19500000	35.12510000	36.37310000
RelInt Mean	0.00000628	0.00404357	-0.00064586	0.00119160	0.00391035	0.09193490	0.00476703
RelInt RSD	94.79726425	29.06342663	7.03892199	1.39312689	0.46041914	1.06557357	0.34827345
RelInt SD	0.00000595	0.00117520	0.00004546	0.00001660	0.00001800	0.00097963	0.00001660
Conc Mean	<0.00103513[mg/l]	<0.02640500[mg/l]	<-0.03584490[mg/l]	0.00993775[mg/l]	0.01453190[mg/l]	7.37532000[mg/l]	0.03084850[mg/l]
Conc RSD	29.03190904	1615.71672032	7.71560250	2.46900958	0.47259753	1.08837854	0.41301522
Conc SD	0.00030052[mg/l]	0.42663000[mg/l]	0.00276565[mg/l]	0.00024536[mg/l]	0.00006868[mg/l]	0.08027140[mg/l]	0.00012741[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	14309.4000000	240490	28923100	-73.01790000	139.66800000	1183280	4213.92000000
Int RSD	0.63383091	1.22761030	0.08625908	35.10385810	20.35161955	0.89320364	0.43973782
Int SD	90.69740000	2952.28000000	24948.8000000	25.63210000	28.42470000	10569.1000000	18.53020000
RelInt Mean	0.00909531	0.00765235	24.17630000	0.00009491	0.00116361	0.98516200	0.00044587
RelInt RSD	0.81971478	0.91386045	0.12927826	285.85923613	30.16835538	0.91329548	4.64995324
RelInt SD	0.00007456	0.00006993	0.03125470	0.00027131	0.00035104	0.00899744	0.00002073
Conc Mean	0.07997770[mg/l]	0.27703000[mg/l]	>108.50900000[mg/l]	5.39647000[mg/l]	1.19149000[mg/l]	0.90338200[mg/l]	0.00307566[mg/l]
Conc RSD	0.81844564	0.93601776	0.12903538	27.28357612	10.70155855	0.91352606	5.94168406
Conc SD	0.00065457[mg/l]	0.00259305[mg/l]	0.14001500[mg/l]	1.47235000[mg/l]	0.12750800[mg/l]	0.00825263[mg/l]	0.00018275[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	7980.79000000	14786.1000000	46038.3000000	4279.95000000	3544.42000000	7239.78000000	-106.90700000
Int RSD	0.77544078	0.63822171	0.27553363	0.91876307	0.40244384	1.15830177	42.76146557
Int SD	61.88630000	94.36810000	126.85100000	39.32260000	14.26430000	83.85850000	45.71500000
RelInt Mean	0.09923780	0.00905201	0.03480360	0.00044069	-0.00027531	0.00031460	-0.00286283
RelInt RSD	1.70460248	0.86181964	0.31522314	2.87215503	8.64916894	16.15804196	17.80657601
RelInt SD	0.00169161	0.00007801	0.00010971	0.00001266	0.00002381	0.00005083	0.00050977
Conc Mean	7.92211000[mg/l]	0.09327100[mg/l]	1.31904000[mg/l]	0.01612980[mg/l]	<-0.01726380[mg/l]	0.00747373[mg/l]	<0.00020245[mg/l]
Conc RSD	1.70789095	0.85667035	0.31292758	3.82589369	9.15673258	15.88176185	405.94924079
Conc SD	0.13530100[mg/l]	0.00079902[mg/l]	0.00412764[mg/l]	0.00061711[mg/l]	0.00158080[mg/l]	0.00118696[mg/l]	0.00082183[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	656704	4181.37000000	7589.52000000	1201960	28643900	78960.2000000	1912440
Int RSD	5.83456169	0.66423206	0.96215966	0.05841226	0.90081658	1.01072186	0.16603606
Int SD	38315.8000000	27.77400000	73.02330000	702.09200000	258029	798.06800000	3175.34000000
RelInt Mean	0.02200750	-0.00054757	0.00008913	---	---	---	1.59600000
RelInt RSD	7.03351130	3.56084929	3.90955436	---	---	---	0.19611654
RelInt SD	0.00154790	0.00001950	0.00000348	---	---	---	0.00313002
Conc Mean	0.24915900[mg/l]	<-0.03715030[mg/l]	0.01304900[mg/l]	1196060	28598600	79007.2000000	7.71526000[mg/l]
Conc RSD	7.03370137	4.09146090	6.37229673	---	---	---	0.19611264
Conc SD	0.01752510[mg/l]	0.00151999[mg/l]	0.00083152[mg/l]	741.44000000	257555	817.38900000	0.01513060[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-74.11930000	-38.81310000	448666	31404.1000000	4231.50000000	74067.9000000	
Int RSD	16.07111778	139.18986116	0.65257229	0.51587850	0.90280752	0.51807328	
Int SD	11.91180000	54.02390000	2927.87000000	162.00700000	38.20230000	383.72600000	
RelInt Mean	-0.00124425	-0.00073162	0.37142100	0.02043330	0.00007412	0.05647100	
RelInt RSD	31.48563392	26.31894755	0.70013004	0.70916592	80.22156382	0.58958935	
RelInt SD	0.00039176	0.00019256	0.00260043	0.00014491	0.00005946	0.00033295	
Conc Mean	0.00165558[mg/l]	<-0.00305338[mg/l]	6.32362000[mg/l]	0.59375800[mg/l]	<-0.00010864[mg/l]	3.78169000[mg/l]	
Conc RSD	95.27295570	128.76975679	0.70105572	0.70686374	219.05888417	0.58859399	
Conc SD	0.00157732[mg/l]	0.00393183[mg/l]	0.04433210[mg/l]	0.00419706[mg/l]	0.00023798[mg/l]	0.02225880[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-006	Client ID: ARCH-C6E-DG-1 TO 1.5-230509-L-FB
Seqnum: 483189258148	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313731	Time: 11-MAY-2023 18:35
Cal: 483189258001	Caldate: 11-MAY-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	0.2389	12	0.25	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1209880	-7.48

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-006,313731

Sample Type: Unknown Sample

Measure Date: 2023-05-11 18:35:53

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	24646.3000000	421.78700000	4399.57000000	5074.37000000	14580.2000000	16232.1000000	9992.34000000
Int RSD	0.92548577	23.19355504	0.94766534	1.01317996	0.40479006	1.83804930	0.65488664
Int SD	228.09800000	97.82740000	41.69320000	51.41250000	59.01920000	298.35400000	65.43850000
RelInt Mean	0.00001301	0.00416290	-0.00056503	0.00106456	0.00848638	0.20461400	0.00516681
RelInt RSD	55.48612178	50.10833794	3.67525331	3.42987713	0.45597652	1.88292590	0.67827151
RelInt SD	0.00000722	0.00208596	0.00002077	0.00003651	0.00003870	0.00385273	0.00003505
Conc Mean	<-0.00069492[mg/l]	<0.06972440[mg/l]	<-0.03091130[mg/l]	0.00806020[mg/l]	0.03187180[mg/l]	16.60850000[mg/l]	0.03338780[mg/l]
Conc RSD	52.47662671	1086.08320760	4.09157816	6.69461056	0.45869389	1.90047867	0.69946208
Conc SD	0.00036467[mg/l]	0.75726500[mg/l]	0.00126476[mg/l]	0.00053960[mg/l]	0.00014619[mg/l]	0.31564100[mg/l]	0.00023353[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	12140.8000000	351623	31325100	-16.20500000	109.63900000	1124620	4190.04000000
Int RSD	2.02961090	0.45744732	0.53542048	527.60012342	97.32941745	0.13955025	1.11242136
Int SD	246.41100000	1608.49000000	167721	85.49760000	106.71100000	1569.41000000	46.61090000
RelInt Mean	0.00713653	0.01132650	26.01420000	0.00086168	0.00070613	0.92994500	0.00046132
RelInt RSD	2.58138059	0.30865228	0.43270983	149.04158045	139.19054221	0.30206195	5.23340783
RelInt SD	0.00018422	0.00003496	0.11256600	0.00128426	0.00098286	0.00280901	0.00002414
Conc Mean	0.06278030[mg/l]	0.41327600[mg/l]	>116.75800000[mg/l]	9.55765000[mg/l]	1.02532000[mg/l]	0.85273700[mg/l]	0.00321181[mg/l]
Conc RSD	2.57634959	0.31363786	0.43283972	72.92085398	34.81869075	0.30213301	6.62548532
Conc SD	0.00161744[mg/l]	0.00129619[mg/l]	0.50537500[mg/l]	6.96952000[mg/l]	0.35700300[mg/l]	0.00257640[mg/l]	0.00021280[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	7892.29000000	14824.4000000	11965.2000000	4102.99000000	3463.50000000	8991.44000000	-50.95430000
Int RSD	1.52322076	0.08379901	0.32061980	0.44297208	1.26296232	0.69318930	52.68799689
Int SD	120.21700000	12.42270000	38.36280000	18.17510000	43.74270000	62.32770000	26.84680000
RelInt Mean	0.09792820	0.00896762	0.00628217	0.00034563	-0.00022072	0.00223042	-0.00157322
RelInt RSD	0.97842092	0.32885983	0.26375600	12.74604488	6.66693851	1.55979591	55.53342826
RelInt SD	0.00095815	0.00002949	0.00001657	0.00004405	0.00001472	0.00003479	0.00087366
Conc Mean	7.81736000[mg/l]	0.09240670[mg/l]	0.23891100[mg/l]	0.01160740[mg/l]	<-0.01363960[mg/l]	0.05220840[mg/l]	0.00228148[mg/l]
Conc RSD	0.98047934	0.32685076	0.24757211	18.50939918	7.16230681	1.55603887	61.73448814
Conc SD	0.07664760[mg/l]	0.00030203[mg/l]	0.00059148[mg/l]	0.00214846[mg/l]	0.00097691[mg/l]	0.00081238[mg/l]	0.00140846[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	785670	3979.46000000	7640.46000000	1209880	29108700	79078.5000000	1651650
Int RSD	1.22807158	0.42640710	2.07203493	0.30220766	0.64285248	0.40820324	0.58051100
Int SD	9648.59000000	16.96870000	158.31300000	3656.35000000	187126	322.80100000	9588.01000000
RelInt Mean	0.02605770	-0.00050809	0.00008212	---	---	---	1.36909000
RelInt RSD	1.31348507	5.34544009	6.76813950	---	---	---	0.65427328
RelInt SD	0.00034226	0.00002716	0.00000556	---	---	---	0.00895759
Conc Mean	0.29501500[mg/l]	<-0.03427650[mg/l]	0.01137520[mg/l]	1203880	29061700	79137.2000000	6.61827000[mg/l]
Conc RSD	1.31342474	5.98669642	11.65975104	---	---	---	0.65435529
Conc SD	0.00387480[mg/l]	0.00205203[mg/l]	0.00132632[mg/l]	3732.62000000	186660	350.48900000	0.04330700[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-160.56900000	-65.50120000	410197	26376.7000000	4228.75000000	69637.6000000	
Int RSD	35.25780194	160.16653130	0.86915555	0.63184553	0.51908247	0.40036561	
Int SD	56.61310000	104.91100000	3565.25000000	166.66000000	21.95070000	278.80500000	
RelInt Mean	-0.00273529	-0.00104909	0.33702200	0.01655420	-0.00006151	0.05269070	
RelInt RSD	26.73475207	85.30821950	0.83993627	1.16159645	17.00792522	0.67435050	
RelInt SD	0.00073127	0.00089496	0.00283077	0.00019229	0.00001046	0.00035532	
Conc Mean	<-0.00434770[mg/l]	<-0.00953577[mg/l]	5.73720000[mg/l]	0.48137200[mg/l]	<-0.00068863[mg/l]	3.52896000[mg/l]	
Conc RSD	67.72086391	191.63947956	0.84109147	1.15729415	6.83422690	0.67318133	
Conc SD	0.00294430[mg/l]	0.01827430[mg/l]	0.04825510[mg/l]	0.00557089[mg/l]	0.00004706[mg/l]	0.02375630[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-007	Client ID: ARCH-C6E-DG-1 TO 1.5-230509-L-DUP-FB
Seqnum: 483189258149	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313731	Time: 11-MAY-2023 18:39
Cal: 483189258001	Caldate: 11-MAY-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	0.4364	22	0.25	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1169460	-10.57

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-007,313731

Sample Type: Unknown Sample

Measure Date: 2023-05-11 18:39:08

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	24148.4000000	449.83300000	4542.88000000	5100.89000000	8304.54000000	9793.11000000	11225.9000000
Int RSD	0.83726458	24.73273415	1.35277181	0.48753453	0.20529012	1.99161451	0.29263578
Int SD	202.18600000	111.25600000	61.45480000	24.86860000	17.04840000	195.04100000	32.85100000
RelInt Mean	0.00000050	0.00472598	-0.00062728	0.00102315	0.00333637	0.12506500	0.00642596
RelInt RSD	517.95420722	30.58984592	8.41763354	4.60462298	1.26832456	0.29111262	1.26424223
RelInt SD	0.00000260	0.00144567	0.00005280	0.00004711	0.00004232	0.00036408	0.00008124
Conc Mean	<0.00132675[mg/l]	<0.27414000[mg/l]	<-0.03471410[mg/l]	0.00744815[mg/l]	0.01235390[mg/l]	10.09000000[mg/l]	0.04155780[mg/l]
Conc RSD	9.90947805	191.44305829	9.25381905	9.34841538	1.30102235	0.29541923	1.32212244
Conc SD	0.00013147[mg/l]	0.52482200[mg/l]	0.00321238[mg/l]	0.00069628[mg/l]	0.00016073[mg/l]	0.02980780[mg/l]	0.00054944[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	14068.2000000	397372	38181500	-134.47500000	65.41220000	1327770	4378.77000000
Int RSD	0.40775508	0.81742549	1.09988607	27.59895891	43.54508792	0.78558787	0.38057491
Int SD	57.36380000	3248.22000000	419953	37.11370000	28.48380000	10430.8000000	16.66450000
RelInt Mean	0.00901546	0.01326480	32.82490000	-0.00062301	0.00010188	1.13713000	0.00053919
RelInt RSD	1.12991461	0.56131039	2.72249420	154.98351562	839.06279141	2.41714668	2.27670548
RelInt SD	0.00010187	0.00007446	0.89365600	0.00096557	0.00085481	0.02748610	0.00001228
Conc Mean	0.07927660[mg/l]	0.48515300[mg/l]	>147.32700000[mg/l]	<1.50038000[mg/l]	0.80583900[mg/l]	1.04277000[mg/l]	0.00389820[mg/l]
Conc RSD	1.12807562	0.56883292	2.72267812	349.24752396	38.53052533	2.41792533	2.77576830
Conc SD	0.00089430[mg/l]	0.00275971[mg/l]	4.01124000[mg/l]	5.24004000[mg/l]	0.31049400[mg/l]	0.02521340[mg/l]	0.00010821[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	7258.60000000	16450.60000000	17778.90000000	4345.43000000	3553.70000000	9766.97000000	-99.78150000
Int RSD	3.32857576	0.83689957	0.85149250	0.75099127	0.56819934	0.09561235	90.48711434
Int SD	241.60800000	137.67500000	151.38600000	32.63380000	20.19210000	9.33843000	90.28940000
RelInt Mean	0.09068160	0.01069040	0.01149630	0.00054282	-0.00025885	0.00274472	-0.00246900
RelInt RSD	1.50761566	0.61163193	1.72599010	4.88131490	10.69479320	1.80837025	41.00688538
RelInt SD	0.00136713	0.00006539	0.00019842	0.00002650	0.00002768	0.00004963	0.00101246
Conc Mean	7.23768000[mg/l]	0.11005200[mg/l]	0.43636200[mg/l]	0.02110130[mg/l]	<-0.01617120[mg/l]	0.06421720[mg/l]	<0.00083735[mg/l]
Conc RSD	1.51100905	0.60830062	1.72491647	6.11450479	11.36483378	1.80479685	194.92734844
Conc SD	0.10936200[mg/l]	0.00066945[mg/l]	0.00752688[mg/l]	0.00129024[mg/l]	0.00183783[mg/l]	0.00115899[mg/l]	0.00163223[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	874862	4110.12000000	8004.10000000	1169460	28308400	78260.2000000	1147960
Int RSD	2.68089139	0.24729935	1.23835659	1.60027705	0.54075116	1.66529091	0.25678944
Int SD	23454.1000000	10.16430000	99.11930000	18714.6000000	153078	1303.26000000	2947.84000000
RelInt Mean	0.02996280	-0.00057180	0.00009870	---	---	---	0.98403000
RelInt RSD	3.19047285	4.76984206	4.61851438	---	---	---	1.83755577
RelInt SD	0.00095595	0.00002727	0.00000456	---	---	---	0.01808210
Conc Mean	0.33922700[mg/l]	<-0.03921600[mg/l]	0.01533260[mg/l]	1163300	28262300	78291.2000000	4.75651000[mg/l]
Conc RSD	3.19045949	5.20160139	7.09507846	---	---	---	1.83777602
Conc SD	0.01082290[mg/l]	0.00203986[mg/l]	0.00108786[mg/l]	18691.2000000	153078	1259.86000000	0.08741400[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-50.68240000	-2.09810000	507223	27029.6000000	4273.16000000	64617.4000000	
Int RSD	17.46774028	6682.52228206	0.31236754	0.58365274	0.48352039	0.45454939	
Int SD	8.85307000	140.20600000	1584.40000000	157.75900000	20.66160000	293.71800000	
RelInt Mean	-0.00155689	-0.00072053	0.43204500	0.01750150	-0.00010718	0.05014410	
RelInt RSD	13.79044120	269.70461980	1.45105718	1.33189155	55.68176305	1.69131762	
RelInt SD	0.000021470	0.00194330	0.00626922	0.00023310	0.00005968	0.00084810	
Conc Mean	<0.00039683[mg/l]	<-0.00282678[mg/l]	7.35710000[mg/l]	0.50881700[mg/l]	<-0.00086402[mg/l]	3.35871000[mg/l]	
Conc RSD	217.84182488	1403.73499176	1.45267837	1.32721981	29.51708573	1.68818386	
Conc SD	0.00086445[mg/l]	0.03968050[mg/l]	0.10687500[mg/l]	0.00675312[mg/l]	0.00025503[mg/l]	0.05670120[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-010	Client ID: ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-L-LA
Seqnum: 483189258150	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313731	Time: 11-MAY-2023 18:42
Cal: 483189258001	Caldate: 11-MAY-2023	
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	0.9337	46	0.25	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1221960	-6.56

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-010,313731					Sample Type: Unknown Sample		
Measure Date: 2023-05-11 18:42:23			Recalculation Date:		State: Measured		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	24520.6000000	419.36000000	4605.75000000	4960.38000000	8076.71000000	8183.88000000	6205.18000000
Int RSD	0.44714240	0.89100296	1.13456006	0.04622650	0.09020864	1.51219226	0.50491847
Int SD	109.64200000	3.73651000	52.25500000	2.29301000	7.28589000	123.75600000	31.33110000
RelInt Mean	0.00001536	0.00436467	-0.00048384	0.00117494	0.00318518	0.10281300	0.00211057
RelInt RSD	15.78775016	11.17142877	7.18002720	4.24925528	1.03326343	0.51270754	1.36341841
RelInt SD	0.00000243	0.00048760	0.00003474	0.00004993	0.00003291	0.00052713	0.00002878
Conc Mean	<0.00057638[mg/l]	<0.14297300[mg/l]	<-0.02596360[mg/l]	0.00969163[mg/l]	0.01179320[mg/l]	8.26668000[mg/l]	0.01331940[mg/l]
Conc RSD	21.24931252	123.80729229	8.13954922	7.61337360	1.05857613	0.52246367	1.25653558
Conc SD	0.00012248[mg/l]	0.17701100[mg/l]	0.00211332[mg/l]	0.00073786[mg/l]	0.00012484[mg/l]	0.04319040[mg/l]	0.00016736[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	10760.7000000	229247	21927800	-46.94700000	140.31100000	928948	3737.71000000
Int RSD	0.62584590	0.39958953	0.28261978	407.25924979	67.23214858	0.24541417	0.18388960
Int SD	67.34540000	916.04700000	61972.3000000	191.19600000	94.33410000	2279.77000000	6.87326000
RelInt Mean	0.00614082	0.00705880	18.02490000	-0.00001961	0.00144794	0.75991300	0.00016082
RelInt RSD	1.53887592	0.66029495	0.25892072	8826.73643518	43.79069575	0.62933520	3.27276910
RelInt SD	0.00009450	0.00004661	0.04667020	0.00173072	0.00063406	0.00478240	0.00000526
Conc Mean	0.05403830[mg/l]	0.25502000[mg/l]	80.89890000[mg/l]	<4.77501000[mg/l]	1.29477000[mg/l]	0.69678100[mg/l]	<0.00056315[mg/l]
Conc RSD	1.53536288	0.67771547	0.25916174	196.70053047	17.78810136	0.62956797	8.23854162
Conc SD	0.00082968[mg/l]	0.00172831[mg/l]	0.20965900[mg/l]	9.39247000[mg/l]	0.23031500[mg/l]	0.00438671[mg/l]	0.00004640[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	8009.41000000	14836.7000000	34306.0000000	3982.67000000	3417.33000000	7800.90000000	-83.81440000
Int RSD	0.37334710	0.36171251	0.66711945	0.36227455	1.55413144	0.26133138	21.69257311
Int SD	29.90290000	53.66620000	228.86200000	14.42820000	53.10980000	20.38620000	18.18150000
RelInt Mean	0.09846710	0.00899346	0.02462990	0.00033125	-0.00022521	0.00105757	-0.00153222
RelInt RSD	0.76616961	0.74342689	1.35958733	2.95152029	13.47916630	1.04900858	16.16530263
RelInt SD	0.00075442	0.00006686	0.00033487	0.00000978	0.00003036	0.00001109	0.00024769
Conc Mean	7.86047000[mg/l]	0.09267140[mg/l]	0.93374700[mg/l]	0.01095950[mg/l]	<-0.01393790[mg/l]	0.02482220[mg/l]	0.00234758[mg/l]
Conc RSD	0.76774544	0.73896801	1.35805523	4.36115699	14.45877786	1.04348124	17.00909021
Conc SD	0.06034840[mg/l]	0.00068481[mg/l]	0.01268080[mg/l]	0.00047796[mg/l]	0.00201525[mg/l]	0.00025901[mg/l]	0.00039930[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	875191	4013.74000000	7662.89000000	1221960	29409300	79755.3000000	508049
Int RSD	4.36241917	0.10953749	1.30586502	0.53717061	0.36628549	0.41210427	0.21394984
Int SD	38179.5000000	4.39655000	100.06700000	6564.01000000	107722	328.67500000	1086.97000000
RelInt Mean	0.02882650	-0.00049926	0.00008979	---	---	---	0.41505900
RelInt RSD	4.77494666	3.79720467	6.04469234	---	---	---	0.46889237
RelInt SD	0.00137645	0.00001896	0.00000543	---	---	---	0.00194618
Conc Mean	0.32636200[mg/l]	<-0.03367980[mg/l]	0.01320590[mg/l]	1216220	29363100	79794.3000000	2.00566000[mg/l]
Conc RSD	4.77503508	4.25314283	9.80781317	---	---	---	0.46906106
Conc SD	0.01558390[mg/l]	0.00143245[mg/l]	0.00129521[mg/l]	6582.19000000	107417	326.82900000	0.00940777[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-187.11000000	-8.87970000	522085	30416.6000000	4102.39000000	74265.1000000	
Int RSD	16.32553044	312.24590921	0.81913865	0.49057094	0.75571557	0.34185640	
Int SD	30.54670000	27.72650000	4276.60000000	149.21500000	31.00240000	253.88000000	
RelInt Mean	-0.00272523	-0.00075181	0.42560800	0.01955310	0.00004718	0.05586280	
RelInt RSD	15.03469432	149.60123009	0.86708661	1.21968384	50.84467336	0.31023508	
RelInt SD	0.00040973	0.00112472	0.00369039	0.00023849	0.00002399	0.00017331	
Conc Mean	<-0.00430718[mg/l]	<-0.00346562[mg/l]	7.24743000[mg/l]	0.56825700[mg/l]	<-0.00025623[mg/l]	3.74103000[mg/l]	
Conc RSD	38.30069790	662.67507690	0.86801390	1.21575273	37.05467049	0.30969813	
Conc SD	0.00164968[mg/l]	0.02296580[mg/l]	0.06290870[mg/l]	0.00690860[mg/l]	0.00009494[mg/l]	0.01158590[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-013	Client ID: ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-L-LA
Seqnum: 483189258151	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313731	Time: 11-MAY-2023 18:45
Cal: 483189258001	Caldate: 11-MAY-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.02 ft2 ⇒ 50.0 ml = 49.02 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.424	120	0.25	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1206560	-7.74

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-013,313731

Sample Type: Unknown Sample

Measure Date: 2023-05-11 18:45:39

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	24350.2000000	504.74000000	4580.65000000	4929.67000000	10138.5000000	7310.32000000	6720.16000000
Int RSD	1.76885200	28.17391132	0.50526454	2.30648299	0.70228831	2.43636393	0.47932341
Int SD	430.71900000	142.20500000	23.14440000	113.70200000	71.20150000	178.10600000	32.21130000
RelInt Mean	0.00000967	0.00512749	-0.00028306	0.00114478	0.00491259	0.09305300	0.00254437
RelInt RSD	50.78426873	39.20183170	16.88327793	9.06584671	1.25662838	1.62893190	1.75036650
RelInt SD	0.00000491	0.00201007	0.00004779	0.00010378	0.00006173	0.00151577	0.00004454
Conc Mean	<0.00086356[mg/l]	<0.41990000[mg/l]	<-0.01377550[mg/l]	0.00924578[mg/l]	0.01833800[mg/l]	7.46694000[mg/l]	0.01608520[mg/l]
Conc RSD	28.73245634	173.78256728	21.10972378	16.58983882	1.28210819	1.66331857	1.66977097
Conc SD	0.00024812[mg/l]	0.72971300[mg/l]	0.00290797[mg/l]	0.00153386[mg/l]	0.00023511[mg/l]	0.12419900[mg/l]	0.00026859[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	15219.3000000	229920	26128500	-98.21050000	75.21850000	1103670	3743.73000000
Int RSD	0.45329089	0.75174408	0.50521844	65.35625010	86.99960781	0.80690243	0.54889375
Int SD	68.98770000	1728.41000000	132006	64.18670000	65.43980000	8905.54000000	20.54910000
RelInt Mean	0.00985867	0.00711113	21.75670000	-0.00029739	0.00022917	0.91508900	0.00019188
RelInt RSD	0.16755100	1.02232978	1.13150891	158.99694005	210.15403412	0.45712166	18.96655775
RelInt SD	0.00001652	0.00007270	0.24617900	0.00047284	0.00048161	0.00418307	0.00003639
Conc Mean	0.08667970[mg/l]	0.25696100[mg/l]	97.64860000[mg/l]	3.26750000[mg/l]	0.85207800[mg/l]	0.83911100[mg/l]	<0.00083694[mg/l]
Conc RSD	0.16734829	1.04905024	1.13163937	78.53282326	20.53074953	0.45725059	38.32816768
Conc SD	0.00014506[mg/l]	0.00269565[mg/l]	1.10503000[mg/l]	2.56606000[mg/l]	0.17493800[mg/l]	0.00383684[mg/l]	0.00032078[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	7217.03000000	20626.5000000	81216.0000000	4093.10000000	3323.05000000	7696.13000000	-58.33620000
Int RSD	2.26609838	0.48014254	0.44624704	1.35402751	1.25736597	0.12941621	58.35810354
Int SD	163.54500000	99.03660000	362.42400000	55.42170000	41.78290000	9.96004000	34.04390000
RelInt Mean	0.08936910	0.01391640	0.06397040	0.00043815	-0.00023844	0.00141595	-0.00173267
RelInt RSD	1.02220342	0.26662427	0.90711798	13.12321264	16.29997609	2.05935944	18.44725193
RelInt SD	0.00091353	0.00003710	0.00058029	0.00005750	0.00003887	0.00002916	0.00031963
Conc Mean	7.13269000[mg/l]	0.14309300[mg/l]	2.42358000[mg/l]	0.01596680[mg/l]	<-0.01481590[mg/l]	0.03319040[mg/l]	0.00202443[mg/l]
Conc RSD	1.02448726	0.26575723	0.90531775	17.51365333	17.41426441	2.05130098	25.45318929
Conc SD	0.07307350[mg/l]	0.00038028[mg/l]	0.02194110[mg/l]	0.00279637[mg/l]	0.00258008[mg/l]	0.00068084[mg/l]	0.00051528[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	985052	3873.18000000	7735.40000000	1206560	29297800	78633.3000000	691030
Int RSD	5.49495864	0.22636542	2.76988908	0.70122746	1.71006355	1.34954275	0.03141586
Int SD	54128.2000000	8.76754000	214.26200000	8460.73000000	501011	1061.19000000	217.09300000
RelInt Mean	0.03268260	-0.00048555	0.00009057	---	---	---	0.57277500
RelInt RSD	3.94766634	3.75235557	3.00093961	---	---	---	0.72566191
RelInt SD	0.00129020	0.00001822	0.00000272	---	---	---	0.00415641
Conc Mean	0.37001900[mg/l]	<-0.03275230[mg/l]	0.01339240[mg/l]	1200700	29252300	78682.5000000	2.76817000[mg/l]
Conc RSD	3.94774322	4.29630896	4.84382187	---	---	---	0.72591640
Conc SD	0.01460740[mg/l]	0.00140714[mg/l]	0.00064870[mg/l]	8483.41000000	501244	1066.00000000	0.02009460[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-38.72950000	2.69363000	558380	27527.7000000	4148.74000000	71090.9000000	
Int RSD	220.03640636	4916.33966061	0.75554461	0.33589330	0.82623158	0.56348000	
Int SD	85.21900000	132.42800000	4218.81000000	92.46370000	34.27820000	400.58300000	
RelInt Mean	-0.00135576	-0.00066795	0.46134300	0.01775690	0.00002157	0.05418940	
RelInt RSD	80.95090577	218.72875951	1.18694984	1.15648002	117.17489288	0.88143622	
RelInt SD	0.000109750	0.00146099	0.00547591	0.00020536	0.00002527	0.00047765	
Conc Mean	<0.00120663[mg/l]	<-0.00175313[mg/l]	7.85663000[mg/l]	0.51621900[mg/l]	<-0.00040670[mg/l]	3.62915000[mg/l]	
Conc RSD	366.21002296	1701.65931791	1.18830593	1.15240818	26.47183209	0.87992781	
Conc SD	0.00441880[mg/l]	0.02983230[mg/l]	0.09336080[mg/l]	0.00594895[mg/l]	0.00010766[mg/l]	0.03193390[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-015	Client ID: ARCH-C7E-DG-2 TO 2.5-230509-L-FB
Seqnum: 483189258152	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313731	Time: 11-MAY-2023 18:48
Cal: 483189258001	Caldate: 11-MAY-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	1.741	87	0.25	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1185420	-9.35

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-015,313731

Sample Type: Unknown Sample

Measure Date: 2023-05-11 18:48:54

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	23915.8000000	354.57000000	5040.20000000	4831.41000000	8335.44000000	8460.79000000	6544.08000000
Int RSD	0.76232449	20.29069013	0.54862505	0.32812367	0.12414462	1.77839185	0.74032561
Int SD	182.31600000	71.94470000	27.65180000	15.85300000	10.34800000	150.46600000	48.44750000
RelInt Mean	0.00000615	0.00366308	-0.00035044	0.00101418	0.00345120	0.10887300	0.00243585
RelInt RSD	39.31440927	20.80156590	11.80998174	2.88761364	0.23377898	1.61642464	1.04418170
RelInt SD	0.00000242	0.00076198	0.00004139	0.00002929	0.00000807	0.00175985	0.00002543
Conc Mean	<0.00104149[mg/l]	<0.11172400[mg/l]	<-0.01783600[mg/l]	0.00731563[mg/l]	0.01280040[mg/l]	8.76328000[mg/l]	0.01552410[mg/l]
Conc RSD	11.72646881	247.59138592	14.11914106	5.91656494	0.23858239	1.64554824	0.83319484
Conc SD	0.00012213[mg/l]	0.27661900[mg/l]	0.00251829[mg/l]	0.00043283[mg/l]	0.00003054[mg/l]	0.14420400[mg/l]	0.00012935[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	8971.23000000	454595	28314500	-104.61400000	141.92700000	712241	3890.35000000
Int RSD	0.49232157	0.54661622	0.79611153	124.30171870	37.36702671	0.43112373	0.35094529
Int SD	44.16730000	2484.89000000	225415	130.03700000	53.03390000	3070.64000000	13.65300000
RelInt Mean	0.00475956	0.01526540	23.99870000	-0.00013568	0.00152190	0.59972500	0.00018866
RelInt RSD	0.43230257	0.36526000	0.78538838	863.71810557	61.67159472	0.59640002	5.06942501
RelInt SD	0.00002058	0.00005576	0.18848300	0.00117191	0.00093858	0.00357676	0.00000956
Conc Mean	0.04191130[mg/l]	0.55933700[mg/l]	>107.71200000[mg/l]	<4.14508000[mg/l]	1.32164000[mg/l]	0.54985400[mg/l]	<0.00080857[mg/l]
Conc RSD	0.43105559	0.36972165	0.78590872	153.43105561	25.79545111	0.59663111	10.42637001
Conc SD	0.00018066[mg/l]	0.00206799[mg/l]	0.84651800[mg/l]	6.35984000[mg/l]	0.34092300[mg/l]	0.00328060[mg/l]	0.00008430[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	7925.07000000	29774.9000000	58575.0000000	4302.85000000	3523.86000000	10103.7000000	-4.97093000
Int RSD	2.25760782	0.99547941	0.60447973	0.89727506	0.40442015	0.49946950	1149.19743388
Int SD	178.91700000	296.40300000	354.07400000	38.60840000	14.25120000	50.46490000	57.12580000
RelInt Mean	0.09907860	0.02190760	0.04593300	0.00054641	-0.00031257	0.00274277	-0.00130222
RelInt RSD	1.11121877	1.38304972	0.82537174	7.12718588	3.85358612	0.87028077	27.59188156
RelInt SD	0.00110098	0.00030299	0.00037912	0.00003894	0.00001205	0.00002387	0.00035931
Conc Mean	7.90938000[mg/l]	0.22494200[mg/l]	1.74052000[mg/l]	0.02149470[mg/l]	<-0.01973690[mg/l]	0.06417170[mg/l]	0.00271838[mg/l]
Conc RSD	1.11347160	1.37981346	0.82554639	8.81249796	4.05159372	0.86860251	21.30868385
Conc SD	0.08806870[mg/l]	0.00310378[mg/l]	0.01436880[mg/l]	0.00189422[mg/l]	0.00079966[mg/l]	0.00055740[mg/l]	0.00057925[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	735426	4176.23000000	7359.90000000	1185420	28366800	78078.7000000	728779
Int RSD	7.00400856	0.46181125	0.67503091	0.20171585	0.42588519	1.20077050	0.31989808
Int SD	51509.3000000	19.28630000	49.68160000	2391.18000000	120810	937.54600000	2331.35000000
RelInt Mean	0.02499040	-0.00055146	0.00008307	---	---	---	0.61501300
RelInt RSD	7.67678789	3.24050114	4.89094135	---	---	---	0.52304911
RelInt SD	0.00191846	0.00001787	0.00000406	---	---	---	0.00321682
Conc Mean	0.28293100[mg/l]	<-0.03752470[mg/l]	0.01160170[mg/l]	1179550	28321500	78121.8000000	2.97241000[mg/l]
Conc RSD	7.67664201	3.75118255	8.35729247	---	---	---	0.52328582
Conc SD	0.02171960[mg/l]	0.00140762[mg/l]	0.00096959[mg/l]	2382.83000000	120121	923.60100000	0.01555420[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-137.13300000	39.17590000	448347	28541.5000000	4183.76000000	64713.0000000	
Int RSD	70.90816944	99.02261339	0.95905850	0.46917296	0.44139243	0.28315176	
Int SD	97.23850000	38.79300000	4299.91000000	133.90900000	18.46680000	183.23600000	
RelInt Mean	-0.00246955	-0.00052662	0.37640100	0.01829150	0.00006317	0.04939360	
RelInt RSD	34.09451115	58.25259864	1.11923985	0.65679141	78.78410379	0.43999020	
RelInt SD	0.00084198	0.00030677	0.00421283	0.00012014	0.00004977	0.00021733	
Conc Mean	<-0.00327775[mg/l]	<0.00113260[mg/l]	6.40858000[mg/l]	0.53170400[mg/l]	<-0.00021951[mg/l]	3.30854000[mg/l]	
Conc RSD	103.42491038	553.06463005	1.12067884	0.65476656	97.48433976	0.43907887	
Conc SD	0.00339001[mg/l]	0.00626401[mg/l]	0.07181960[mg/l]	0.00348142[mg/l]	0.00021398[mg/l]	0.01452710[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-016	Client ID: ARCH-C7E-DG-2 TO 2.5-230509-L-DUP-FB
Seqnum: 483189258156	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313734	Time: 11-MAY-2023 19:01
Cal: 483189258001	Caldate: 11-MAY-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	1.896	95	0.25	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1223640	-6.43

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-016,313734

Sample Type: Unknown Sample

Measure Date: 2023-05-11 19:01:53

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	24550.9000000	500.40100000	4743.17000000	5036.20000000	8354.86000000	9083.34000000	6583.94000000
Int RSD	0.78859023	13.59109994	0.46137499	2.56361940	0.25224600	0.41795749	0.38427446
Int SD	193.60600000	68.01000000	21.88380000	129.10900000	21.07480000	37.96450000	25.30040000
RelInt Mean	0.00001206	0.00513185	-0.00018670	0.00116395	0.00338237	0.11411800	0.00239174
RelInt RSD	42.81112447	27.05749389	11.25210228	11.13664676	0.86578642	1.03267670	0.46103673
RelInt SD	0.00000516	0.00138855	0.00002101	0.00012962	0.00002928	0.00117847	0.00001103
Conc Mean	<0.00074288[mg/l]	<0.42148300[mg/l]	<-0.00787340[mg/l]	0.00952912[mg/l]	0.01253190[mg/l]	9.19301000[mg/l]	0.01519930[mg/l]
Conc RSD	35.11091966	119.59723168	16.24291920	20.10542422	0.88937831	1.05026319	0.58425256
Conc SD	0.00026083[mg/l]	0.50408200[mg/l]	0.00127887[mg/l]	0.00191587[mg/l]	0.00011146[mg/l]	0.09655080[mg/l]	0.00008880[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	9264.20000000	435010	27858300	-24.75630000	104.43200000	782072	4021.61000000
Int RSD	1.78040198	0.39026229	0.45208789	366.60890359	84.75496017	0.50966535	2.16198985
Int SD	164.94000000	1697.68000000	125944	90.75880000	88.51130000	3985.95000000	86.94680000
RelInt Mean	0.00480639	0.01401780	22.87000000	-0.00028977	0.00095924	0.63819100	0.00042496
RelInt RSD	2.45109115	0.82395240	0.48302580	362.16684440	73.86128127	0.86328858	16.82292341
RelInt SD	0.00011781	0.00011550	0.11046800	0.00104944	0.00070850	0.00550943	0.00007149
Conc Mean	0.04232250[mg/l]	0.51307500[mg/l]	>102.64600000[mg/l]	<3.30888000[mg/l]	1.11726000[mg/l]	0.58513600[mg/l]	0.00289138[mg/l]
Conc RSD	2.44383011	0.83472202	0.48329794	172.11805807	23.03420869	0.86363170	21.79402223
Conc SD	0.00103429[mg/l]	0.00428275[mg/l]	0.49608600[mg/l]	5.69518000[mg/l]	0.25735200[mg/l]	0.00505342[mg/l]	0.00063015[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	7077.16000000	28202.5000000	65301.6000000	4049.24000000	3387.17000000	9531.86000000	-47.06620000
Int RSD	2.32149619	0.32454747	0.29474776	0.90234464	0.53198688	0.54758568	127.36464809
Int SD	164.29600000	91.53050000	192.47500000	36.53810000	18.01930000	52.19510000	59.94570000
RelInt Mean	0.08674790	0.01993940	0.05004150	0.00038377	-0.00021262	0.00277623	-0.00202960
RelInt RSD	2.60042030	0.64383081	0.15766214	10.25140123	11.58766067	1.10446901	3.88856425
RelInt SD	0.00225581	0.00012838	0.00007890	0.00003934	0.00002464	0.00003066	0.00007892
Conc Mean	6.92301000[mg/l]	0.20478200[mg/l]	1.89608000[mg/l]	0.01358240[mg/l]	<-0.01310200[mg/l]	0.06495310[mg/l]	0.00154572[mg/l]
Conc RSD	2.360652520	0.64202908	0.15626556	14.05826658	12.48328499	1.10230305	8.23092151
Conc SD	0.18045000[mg/l]	0.00131476[mg/l]	0.00296292[mg/l]	0.00190945[mg/l]	0.00163556[mg/l]	0.00071598[mg/l]	0.00012723[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	818185	3884.10000000	7597.91000000	1223640	29464900	79562.5000000	864843
Int RSD	5.54828065	0.27967612	1.41205937	0.45656402	0.38624940	0.59970715	0.33678136
Int SD	45395.2000000	10.86290000	107.28700000	5586.70000000	113808	477.14200000	2912.63000000
RelInt Mean	0.02684060	-0.00047863	0.00008556	---	---	---	0.70745300
RelInt RSD	5.35688472	2.65705308	2.10861750	---	---	---	0.46721125
RelInt SD	0.00143782	0.00001272	0.00000180	---	---	---	0.00330530
Conc Mean	0.30387800[mg/l]	<-0.03206630[mg/l]	0.01219630[mg/l]	1217830	29418400	79603.8000000	3.41934000[mg/l]
Conc RSD	5.35698537	2.88860268	3.52863573	---	---	---	0.46747033
Conc SD	0.01627870[mg/l]	0.00092627[mg/l]	0.00043036[mg/l]	5554.59000000	113816	485.28800000	0.01598440[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-147.86200000	62.85970000	493144	27140.8000000	4141.94000000	66036.6000000	
Int RSD	25.61645318	95.14283396	0.52940115	0.32532018	1.34331738	0.35737909	
Int SD	37.87700000	59.80650000	2610.71000000	88.29450000	55.63940000	236.00100000	
RelInt Mean	-0.00162892	0.00030100	0.40124200	0.01708000	0.00002349	0.04918900	
RelInt RSD	53.10168701	203.96207359	0.95098718	0.80723653	415.17032081	0.37578930	
RelInt SD	0.00086498	0.00061393	0.00381576	0.00013788	0.00009754	0.00018485	
Conc Mean	<0.00010683[mg/l]	0.01803200[mg/l]	6.83200000[mg/l]	0.49660600[mg/l]	<-0.00042018[mg/l]	3.29486000[mg/l]	
Conc RSD	3259.99251147	69.52085182	0.95234631	0.80410627	97.14553624	0.37505994	
Conc SD	0.00348265[mg/l]	0.01253600[mg/l]	0.06506430[mg/l]	0.00399324[mg/l]	0.00040819[mg/l]	0.01235770[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-018	Client ID: ARCH-C6E-PS-2.5-230509-L-G
Seqnum: 483189258159	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313734	Time: 11-MAY-2023 19:11
Cal: 483189258001	Caldate: 11-MAY-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	1.203	56	0.23	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1172180	-10.37

+ = high bias < = opening a = ICSA b = noncompliant u = use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 484907-018,313734

Sample Type: Unknown Sample

Measure Date: 2023-05-11 19:11:39

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	24391.5000000	904.60000000	5268.01000000	5598.82000000	9105.33000000	10068.8000000	10169.0000000
Int RSD	1.06919624	24.36922397	0.24951168	1.29054336	0.34653549	2.38839782	0.49150752
Int SD	260.79300000	220.44400000	13.14430000	72.25520000	31.55320000	240.48300000	49.98140000
RelInt Mean	0.00000137	0.01068380	-0.00010355	0.00123508	0.00382900	0.12941900	0.00540329
RelInt RSD	290.62884161	23.72957188	17.93338226	3.35124041	1.07077044	1.07922330	0.85730361
RelInt SD	0.00000400	0.00253522	0.00001857	0.00004139	0.00004100	0.00139672	0.00004632
Conc Mean	<0.00128271[mg/l]	<2.43699000[mg/l]	<-0.00285049[mg/l]	0.01058030[mg/l]	0.01421510[mg/l]	10.44680000[mg/l]	0.03466550[mg/l]
Conc RSD	15.73138122	37.76609670	39.64792018	5.78208557	1.07774831	1.09571352	0.82422005
Conc SD	0.00020179[mg/l]	0.92035600[mg/l]	0.00113016[mg/l]	0.00061176[mg/l]	0.00015320[mg/l]	0.11446700[mg/l]	0.00028572[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	14965.2000000	380586	47052100	-103.14900000	434.43200000	1811470	4613.89000000
Int RSD	0.21579798	0.29298503	0.63565282	114.20178577	7.35852792	0.51299442	2.05734424
Int SD	32.29460000	1115.06000000	299088	117.79800000	31.96780000	9292.74000000	94.92360000
RelInt Mean	0.00956161	0.01268960	40.35320000	-0.00063345	0.00485094	1.54892000	0.00071184
RelInt RSD	0.44748949	0.71362060	0.40302132	200.33688637	9.75736661	0.24971593	9.68619353
RelInt SD	0.00004279	0.00009056	0.16263200	0.00126903	0.00047332	0.00386790	0.00006895
Conc Mean	0.08407150[mg/l]	0.46382100[mg/l]	>181.11700000[mg/l]	<1.44376000[mg/l]	2.53085000[mg/l]	1.42047000[mg/l]	0.00542001[mg/l]
Conc RSD	0.44685298	0.72391936	0.40301794	477.01072200	6.79317225	0.24963850	11.21302359
Conc SD	0.00037568[mg/l]	0.00335769[mg/l]	0.72993400[mg/l]	6.88689000[mg/l]	0.17192500[mg/l]	0.00354604[mg/l]	0.00060775[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	4814.09000000	22489.6000000	41523.0000000	4872.08000000	3725.11000000	8416.77000000	-20.17000000
Int RSD	2.56839818	0.47799872	0.54124220	0.48877481	0.97971067	0.47557436	290.81953396
Int SD	123.64500000	107.50000000	224.74000000	23.81350000	36.49530000	40.02800000	58.65830000
RelInt Mean	0.06015710	0.01576980	0.03173070	0.00075091	-0.00022231	0.00143567	-0.00103377
RelInt RSD	2.85377786	0.60579969	0.44389188	6.81048695	3.96116719	2.48451942	55.49532294
RelInt SD	0.00171675	0.00009553	0.00014085	0.00005114	0.00000881	0.00003567	0.00057369
Conc Mean	4.79593000[mg/l]	0.16207700[mg/l]	1.20252000[mg/l]	0.03119390[mg/l]	<-0.01374530[mg/l]	0.03365090[mg/l]	0.00315115[mg/l]
Conc RSD	2.86344880	0.60380005	0.44497389	7.98040643	4.25291554	2.47519086	29.35039589
Conc SD	0.13732900[mg/l]	0.00097862[mg/l]	0.00535090[mg/l]	0.00248940[mg/l]	0.00058458[mg/l]	0.00083292[mg/l]	0.00092487[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	1158720	4222.97000000	10462.5000000	1172180	28254500	77917.6000000	3993050
Int RSD	10.27236951	0.11730962	1.33945998	0.26918391	0.98141889	0.95121256	0.39673433
Int SD	119028	4.95395000	140.14100000	3155.32000000	277295	741.16200000	15841.8000000
RelInt Mean	0.03999380	-0.00055624	0.00017554	---	---	---	3.42180000
RelInt RSD	9.67517465	2.37521484	0.75340952	---	---	---	0.24909784
RelInt SD	0.00386947	0.00001321	0.00000132	---	---	---	0.00852363
Conc Mean	0.45279400[mg/l]	<-0.03832780[mg/l]	0.03366750[mg/l]	1165790	28208200	77955.9000000	16.54270000[mg/l]
Conc RSD	9.67515029	2.48992637	0.93753620	---	---	---	0.24911774
Conc SD	0.04380850[mg/l]	0.00095433[mg/l]	0.00031564[mg/l]	3138.22000000	277170	741.64800000	0.04121080[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-128.58800000	-27.77400000	878654	31431.3000000	4393.37000000	75770.0000000	
Int RSD	104.41565309	110.11665587	0.50804867	0.44655487	0.27038925	0.22582157	
Int SD	134.26600000	30.58380000	4463.99000000	140.35800000	11.87920000	171.10500000	
RelInt Mean	-0.00199545	-0.00109909	0.74893200	0.02110720	-0.00021762	0.05939730	
RelInt RSD	36.11756747	12.50980356	0.24168549	0.47894084	10.08762901	0.19557286	
RelInt SD	0.00072071	0.00013749	0.00181006	0.00010109	0.00002195	0.00011617	
Conc Mean	<-0.00136894[mg/l]	<-0.01055670[mg/l]	>12.75920000[mg/l]	0.61328300[mg/l]	<-0.00143762[mg/l]	3.97732000[mg/l]	
Conc RSD	211.96911479	26.59420084	0.24217898	0.47765061	6.04241733	0.19531594	
Conc SD	0.00290173[mg/l]	0.00280747[mg/l]	0.03090010[mg/l]	0.00292935[mg/l]	0.00008687[mg/l]	0.00776834[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-020	Client ID: ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-L-LA
Seqnum: 483189258160	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313734	Time: 11-MAY-2023 19:14
Cal: 483189258001	Caldate: 11-MAY-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	4.305	220	0.25	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1180860	-9.70

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-020,313734

Sample Type: Unknown Sample

Measure Date: 2023-05-11 19:14:54

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	23784.2000000	622.73800000	5126.69000000	4972.47000000	9894.48000000	14425.2000000	7323.33000000
Int RSD	1.50169861	4.08251945	0.49039634	0.35401923	0.40688950	1.58571112	0.26526594
Int SD	357.16700000	25.42340000	25.14110000	17.60350000	40.25960000	228.74200000	19.42630000
RelInt Mean	0.00000963	0.00667813	-0.00001083	0.00116423	0.00479795	0.18474000	0.00314722
RelInt RSD	48.94120798	8.49981956	78.20497663	1.05839052	0.75517877	0.79642200	1.28483551
RelInt SD	0.00000471	0.00056763	0.00000847	0.00001232	0.00003623	0.00147131	0.00004044
Conc Mean	<0.00086560[mg/l]	<0.98282700[mg/l]	0.00279912[mg/l]	0.00953327[mg/l]	0.01789980[mg/l]	14.98010000[mg/l]	0.02000820[mg/l]
Conc RSD	27.50921036	20.96666046	18.48141559	1.91042528	0.76641638	0.80471425	1.59921432
Conc SD	0.00023812[mg/l]	0.20606600[mg/l]	0.00051732[mg/l]	0.00018213[mg/l]	0.00013719[mg/l]	0.12054700[mg/l]	0.00031997[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	13400.1000000	413035	29563100	-101.52600000	82.89520000	1189420	3981.55000000
Int RSD	5.51232453	1.14089121	0.75290142	18.26665091	42.95399492	0.61315515	0.31673594
Int SD	738.65700000	4712.28000000	222581	18.54540000	35.60680000	7292.99000000	12.61100000
RelInt Mean	0.00854252	0.01342130	25.15400000	-0.00039488	0.00089690	1.00803000	0.00030901
RelInt RSD	7.29229782	2.68406190	0.35852111	105.92540443	93.67943030	0.12839201	3.88835313
RelInt SD	0.00062295	0.00036024	0.09018240	0.00041827	0.00084021	0.00129423	0.00001202
Conc Mean	0.07512430[mg/l]	0.49095500[mg/l]	>112.89700000[mg/l]	2.73846000[mg/l]	1.09462000[mg/l]	0.92435600[mg/l]	0.00186933[mg/l]
Conc RSD	7.28028081	2.72110479	0.35855691	82.89074882	27.88090844	0.12840616	5.66571980
Conc SD	0.00546926[mg/l]	0.01335940[mg/l]	0.40480000[mg/l]	2.26993000[mg/l]	0.30519000[mg/l]	0.00118693[mg/l]	0.00010591[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	4388.59000000	29404.6000000	137976	4237.62000000	3497.13000000	9717.05000000	-50.26520000
Int RSD	1.83202578	0.30959170	0.03551342	0.47969143	0.39734010	0.12020932	104.49655030
Int SD	80.40010000	91.03420000	49.00000000	20.32750000	13.89550000	11.68080000	52.52540000
RelInt Mean	0.05405940	0.02169970	0.11364500	0.00049140	-0.00019916	0.00279903	-0.00186905
RelInt RSD	2.12540280	0.46870694	0.58340622	2.25530876	7.71575184	1.06450449	27.73061181
RelInt SD	0.00114898	0.00010171	0.00066301	0.00001108	0.00001537	0.00002980	0.00051830
Conc Mean	4.30816000[mg/l]	0.22281200[mg/l]	4.30473000[mg/l]	0.01862490[mg/l]	<-0.01220860[mg/l]	0.06548550[mg/l]	0.00180456[mg/l]
Conc RSD	2.13342819	0.46759600	0.58390422	2.82645276	8.35574923	1.06249933	46.30308773
Conc SD	0.09191150[mg/l]	0.00104186[mg/l]	0.02513550[mg/l]	0.00052642[mg/l]	0.00102012[mg/l]	0.00069578[mg/l]	0.00083557[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	1017120	4041.79000000	7927.74000000	1180860	29191800	78327.7000000	1555570
Int RSD	6.65718893	0.12657486	1.38653639	0.56784039	3.45412068	1.00742266	0.39839159
Int SD	67711.6000000	5.11589000	109.92100000	6705.40000000	1008320	789.09100000	6197.26000000
RelInt Mean	0.03396890	-0.00051411	0.00009849	---	---	---	1.32089000
RelInt RSD	8.50059908	1.82426329	5.81334078	---	---	---	0.30241352
RelInt SD	0.00288756	0.00000938	0.00000573	---	---	---	0.00399455
Conc Mean	0.38458200[mg/l]	<-0.03495520[mg/l]	0.01528340[mg/l]	1175000	29146500	78370.9000000	6.38518000[mg/l]
Conc RSD	8.50055385	2.24733087	8.94054988	---	---	---	0.30247699
Conc SD	0.03269160[mg/l]	0.00078556[mg/l]	0.00136642[mg/l]	6699.67000000	1008780	815.77900000	0.01931370[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-172.53000000	-80.60670000	623006	29672.1000000	4180.34000000	62563.9000000	
Int RSD	46.48322031	30.02244230	0.35720523	1.09174612	0.35715277	0.32385609	
Int SD	80.19750000	24.20010000	2225.41000000	323.94400000	14.93020000	202.61700000	
RelInt Mean	-0.00219356	-0.00113560	0.52638900	0.01967630	0.00003951	0.04794940	
RelInt RSD	7.35334342	50.78046847	0.91266915	1.09370156	64.41484879	0.49826275	
RelInt SD	0.000016130	0.00057666	0.00480419	0.00021520	0.00002545	0.00023891	
Conc Mean	<-0.00216655[mg/l]	<-0.01130220[mg/l]	8.96548000[mg/l]	0.57182700[mg/l]	<-0.00039264[mg/l]	3.21199000[mg/l]	
Conc RSD	29.97581408	104.18325636	0.91348260	1.09038573	27.24823121	0.49725871	
Conc SD	0.00064944[mg/l]	0.01177500[mg/l]	0.08189810[mg/l]	0.00623512[mg/l]	0.00010699[mg/l]	0.01597190[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-022	Client ID: ARCH-C7E-PS-2.5-230509-L-G
Seqnum: 483189258161	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313734	Time: 11-MAY-2023 19:18
Cal: 483189258001	Caldate: 11-MAY-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	0.9160	42	0.23	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1158320	-11.43

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-022,313734

Sample Type: Unknown Sample

Measure Date: 2023-05-11 19:18:11

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	23342.7000000	862.69800000	4827.73000000	4975.24000000	9461.46000000	10289.0000000	8180.98000000
Int RSD	0.90312175	14.66735752	0.94512121	1.79348534	0.38994193	1.65515599	0.71490213
Int SD	210.81300000	126.53500000	45.62790000	89.23020000	36.89420000	170.29900000	58.48600000
RelInt Mean	0.00000694	0.01028830	-0.00049752	0.00110892	0.00448124	0.13317200	0.00393534
RelInt RSD	45.85209003	14.97827629	3.83370283	7.24329979	0.59317287	0.35660800	1.02534724
RelInt SD	0.00000318	0.00154101	0.00001907	0.00008032	0.00002658	0.00047490	0.00004035
Conc Mean	<-0.00100188[mg/l]	<2.29341000[mg/l]	<-0.02680840[mg/l]	0.00871585[mg/l]	0.01670220[mg/l]	10.75440000[mg/l]	0.02480360[mg/l]
Conc RSD	16.03016329	24.39280373	4.33938616	13.62081725	0.59727641	0.36200997	0.98486107
Conc SD	0.00016060[mg/l]	0.55942700[mg/l]	0.00116332[mg/l]	0.00118717[mg/l]	0.00009976[mg/l]	0.03893200[mg/l]	0.00024428[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	12281.7000000	236849	31952600	-95.61060000	397.25200000	1460510	4048.98000000
Int RSD	6.08186977	0.92689435	0.47669047	21.33027091	9.61978794	0.68454649	1.41125913
Int SD	746.95700000	2195.34000000	152315	20.39400000	38.21480000	9997.87000000	57.14160000
RelInt Mean	0.00773265	0.00777441	27.72070000	-0.00053526	0.00433431	1.26296000	0.00023138
RelInt RSD	8.19791404	0.62786887	0.19877095	142.67920630	17.36110246	0.40530183	28.25602151
RelInt SD	0.00063392	0.00004881	0.05510070	0.00076371	0.00075248	0.00511880	0.00006538
Conc Mean	0.06801400[mg/l]	0.28155700[mg/l]	>124.41700000[mg/l]	<1.97660000[mg/l]	2.34319000[mg/l]	1.15819000[mg/l]	<0.00118508[mg/l]
Conc RSD	8.18290352	0.64288581	0.19876946	209.68127087	11.66465374	0.40525043	48.62692814
Conc SD	0.00556552[mg/l]	0.00181009[mg/l]	0.24730300[mg/l]	4.14456000[mg/l]	0.27332500[mg/l]	0.00469357[mg/l]	0.00057627[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	4511.16000000	15487.60000000	32210.80000000	4414.48000000	3588.66000000	7396.44000000	1.54100000
Int RSD	1.77078401	0.20311927	0.22912595	1.62799469	0.49562511	0.54424831	4131.86242700
Int SD	79.88290000	31.45830000	73.80330000	71.86750000	17.78630000	40.25500000	63.67200000
RelInt Mean	0.05548400	0.01006060	0.02416580	0.00049592	-0.00021072	0.00054296	-0.00132315
RelInt RSD	0.91880903	0.64590482	0.46286074	9.87685588	1.58728366	7.66496060	42.33503382
RelInt SD	0.00050979	0.00006498	0.00011185	0.00004898	0.00000334	0.00004162	0.00056016
Conc Mean	4.42212000[mg/l]	0.10360200[mg/l]	0.91604200[mg/l]	0.01888640[mg/l]	<-0.01297590[mg/l]	0.01280600[mg/l]	0.00268462[mg/l]
Conc RSD	0.92209845	0.64261597	0.45891891	12.75870468	1.71101812	7.58858348	33.63794504
Conc SD	0.04077630[mg/l]	0.00066576[mg/l]	0.00420389[mg/l]	0.00240966[mg/l]	0.00022202[mg/l]	0.00097179[mg/l]	0.00090305[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	1493070	4171.27000000	9562.32000000	1158320	27793000	77264.4000000	3791250
Int RSD	1.89144514	0.61680495	2.34491211	0.28996737	0.35432123	1.36070428	0.40878338
Int SD	28240.6000000	25.72860000	224.22800000	3358.75000000	98476.5000000	1051.34000000	15498.0000000
RelInt Mean	0.05278380	-0.00056548	0.00016755	---	---	---	3.28659000
RelInt RSD	2.15863579	3.78441993	3.66055900	---	---	---	0.27592003
RelInt SD	0.00113941	0.00002140	0.00000613	---	---	---	0.00906836
Conc Mean	0.59759700[mg/l]	<-0.03938250[mg/l]	0.03176250[mg/l]	1152400	27748600	77318.6000000	15.88900000[mg/l]
Conc RSD	2.15867884	4.18368565	4.60861078	---	---	---	0.27589842
Conc SD	0.01290020[mg/l]	0.00164764[mg/l]	0.00146381[mg/l]	3378.47000000	98004.3000000	1041.04000000	0.04383750[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-99.52820000	6.82041000	956311	32662.8000000	4147.31000000	65497.2000000	
Int RSD	66.86547129	1518.50108718	0.61742885	0.82731119	0.69365203	0.25037254	
Int SD	66.55000000	103.56800000	5904.54000000	270.22300000	28.76790000	163.98700000	
RelInt Mean	-0.00157391	-0.00091355	0.82528300	0.02241610	0.00002241	0.05130220	
RelInt RSD	57.92739102	78.64097650	0.62236590	1.08647356	84.36723126	0.60391172	
RelInt SD	0.00091173	0.00071843	0.00513628	0.00024355	0.00001890	0.00030982	
Conc Mean	<0.00032830[mg/l]	<-0.00676819[mg/l]	>14.06090000[mg/l]	0.65120600[mg/l]	<-0.00035581[mg/l]	3.43614000[mg/l]	
Conc RSD	1118.13585136	216.74480179	0.62281789	1.08346514	23.20465871	0.60277812	
Conc SD	0.00367084[mg/l]	0.01466970[mg/l]	0.08757380[mg/l]	0.00705559[mg/l]	0.00008256[mg/l]	0.02071230[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 484907-024	Client ID: ARCH-C6E-DG-3 TO 3.5-230509-L-FB
Seqnum: 483189258162	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 313734	Time: 11-MAY-2023 19:21
Cal: 483189258001	Caldate: 11-MAY-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	1.222	61	0.25	0.23	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1307730	1175360	-10.12

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: 484907-024,313734

Sample Type: Unknown Sample

Measure Date: 2023-05-11 19:21:26

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	23165.3000000	564.56100000	4312.51000000	4550.75000000	8252.31000000	11528.3000000	6920.03000000
Int RSD	0.84132301	15.37151876	0.63274984	0.30839971	0.66802629	1.67872973	1.15224645
Int SD	194.89500000	86.78160000	27.28740000	14.03450000	55.12760000	193.52900000	79.73580000
RelInt Mean	0.00001705	0.00558857	-0.00060401	0.00107555	0.00366106	0.14550400	0.00294963
RelInt RSD	50.18371272	24.79757791	1.84364192	2.02919437	1.17766986	2.34484963	2.36028926
RelInt SD	0.00000856	0.00138583	0.00001114	0.00002183	0.00004312	0.00341185	0.00006962
Conc Mean	<-0.00049085[mg/l]	<0.58728100[mg/l]	<-0.03327520[mg/l]	0.00822263[mg/l]	0.01359380[mg/l]	11.76490000[mg/l]	0.01875770[mg/l]
Conc RSD	88.05701957	85.66512453	2.03782998	3.92294193	1.20128294	2.37649279	2.23465030
Conc SD	0.00043223[mg/l]	0.50309500[mg/l]	0.00067809[mg/l]	0.00032257[mg/l]	0.00016330[mg/l]	0.27959200[mg/l]	0.00041917[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	10166.7000000	233399	18168500	-102.50200000	153.67900000	1079430	3690.58000000
Int RSD	0.76575683	1.04058715	0.28022016	65.25101949	33.74755171	0.36175482	0.52403145
Int SD	77.85220000	2428.72000000	50911.8000000	66.88360000	51.86290000	3904.89000000	19.33980000
RelInt Mean	0.00605855	0.00748174	15.52560000	-0.00036934	0.00140935	0.91888400	0.00024485
RelInt RSD	1.44775565	1.53327969	0.35656786	184.27904206	59.88590485	0.73448226	6.55194384
RelInt SD	0.00008771	0.00011472	0.05535930	0.00068061	0.00084400	0.00674904	0.00001604
Conc Mean	0.05331600[mg/l]	0.27070400[mg/l]	69.68110000[mg/l]	<2.87707000[mg/l]	1.28076000[mg/l]	0.84259100[mg/l]	0.00130382[mg/l]
Conc RSD	1.44440131	1.57155048	0.35669357	128.37991429	23.93649083	0.73466605	10.84536209
Conc SD	0.00077010[mg/l]	0.00425425[mg/l]	0.24854800[mg/l]	3.69358000[mg/l]	0.30656900[mg/l]	0.00619023[mg/l]	0.00014140[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	3926.29000000	17072.0000000	41937.1000000	3749.82000000	3275.45000000	7709.41000000	-52.52320000
Int RSD	6.97327503	0.48323512	0.29041588	1.22480012	0.63848021	0.73643768	281.15956377
Int SD	273.79100000	82.49790000	121.79200000	45.92780000	20.91310000	56.77500000	147.67400000
RelInt Mean	0.04738040	0.01142770	0.03224790	0.00024209	-0.00024936	0.00122528	-0.00198089
RelInt RSD	7.22701792	1.13326391	0.38385135	16.37162000	3.67651034	4.39746833	73.89102878
RelInt SD	0.00342419	0.00012951	0.00012378	0.00003963	0.00000917	0.00005388	0.00146370
Conc Mean	3.77389000[mg/l]	0.11760400[mg/l]	1.22221000[mg/l]	0.00662705[mg/l]	<-0.01554130[mg/l]	0.02873810[mg/l]	<0.00162426[mg/l]
Conc RSD	7.25810768	1.12785279	0.38601386	29.08790487	3.91640982	4.37795122	145.27784961
Conc SD	0.27391300[mg/l]	0.00132640[mg/l]	0.00471790[mg/l]	0.00192767[mg/l]	0.00060866[mg/l]	0.00125814[mg/l]	0.00235969[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	928659	3896.32000000	7564.32000000	1175360	28453200	79284.5000000	865804
Int RSD	7.10702206	0.25664037	1.25492972	0.42158317	0.67986026	0.79506209	0.49754679
Int SD	66000.0000000	9.99953000	94.92690000	4955.12000000	193442	630.36100000	4307.78000000
RelInt Mean	0.03173130	-0.00052201	0.00010339	---	---	---	0.73734700
RelInt RSD	7.28611812	1.71374686	4.89364233	---	---	---	0.78741217
RelInt SD	0.00231198	0.00000895	0.00000506	---	---	---	0.00580596
Conc Mean	0.35924800[mg/l]	<-0.03548800[mg/l]	0.01645090[mg/l]	1169900	28409200	79339.6000000	3.56386000[mg/l]
Conc RSD	7.28624794	1.74886159	7.33899057	---	---	---	0.78763195
Conc SD	0.02617570[mg/l]	0.00062064[mg/l]	0.00120733[mg/l]	4937.53000000	193122	651.72400000	0.02807010[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-180.19900000	-18.81180000	570844	28037.2000000	3935.20000000	63616.3000000	
Int RSD	16.42916997	314.32717762	0.31158250	0.21591314	0.29600529	0.16473765	
Int SD	29.60520000	59.13060000	1778.65000000	60.53600000	11.64840000	104.80000000	
RelInt Mean	-0.00210366	-0.00093673	0.48440100	0.01848930	0.00011111	0.04919410	
RelInt RSD	8.01350979	36.46664460	0.10672645	0.58298584	10.38710084	0.32256104	
RelInt SD	0.00016858	0.00034159	0.00051898	0.00010779	0.00001154	0.00015868	
Conc Mean	<-0.00180460[mg/l]	<-0.00724143[mg/l]	8.24968000[mg/l]	0.53743700[mg/l]	<0.00003530[mg/l]	3.29520000[mg/l]	
Conc RSD	37.61093871	96.32144480	0.10677638	0.58112858	138.70112282	0.32188031	
Conc SD	0.00067873[mg/l]	0.00697505[mg/l]	0.00880871[mg/l]	0.00312320[mg/l]	0.00004895[mg/l]	0.01060660[mg/l]	

ENTHALPY BLANK USER REPORT FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	Lab ID: QC1065066	
Seqnum: 483189258127.2	Matrix: Wipe	
File: met06_master011	Batch: 313731	Time: 11-MAY-2023 17:24
Cal: 483189258001	Caldate: 11-MAY-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	0.004693	ND	0.25	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1307730	1241200	-5.09

u=use

Sample Name: BLANK,QC1065066,313731 Sample Type: Unknown Sample

Measure Date: 2023-05-11 17:24:21 Recalculation Date: State: Measured Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	25383.6000000	310.16300000	2027.18000000	3295.39000000	3919.42000000	169.73800000	3368.02000000
Int RSD	0.96552892	24.61950652	0.80501978	0.32328192	0.66863464	28.60320023	0.94254785
Int SD	245.08600000	76.36060000	16.31920000	10.65340000	26.20660000	48.55050000	31.74520000
RelInt Mean	0.00002479	0.00332769	-0.00023337	0.00027833	0.00022568	0.00212383	-0.00002478
RelInt RSD	6.56306732	14.97846855	5.04938615	3.89278914	5.38022864	51.27576124	61.45956480
RelInt SD	0.00000163	0.00049844	0.00001178	0.00001083	0.00001214	0.00108901	0.00001523
Conc Mean	<0.00010025[mg/l]	<0.23348100[mg/l]	<-0.01067690[mg/l]	<-0.00355983[mg/l]	0.00057894[mg/l]	<0.01597170[mg/l]	<-0.00010469[mg/l]
Conc RSD	81.95947968	77.50009637	6.71450515	4.49833279	7.85936736	558.71698066	95.21215826
Conc SD	0.00008216[mg/l]	0.18094800[mg/l]	0.00071690[mg/l]	0.00016013[mg/l]	0.00004550[mg/l]	0.08923660[mg/l]	0.00009967[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	3158.43000000	27326.5000000	10542.1000000	-132.50400000	-74.86990000	7306.40000000	2660.86000000
Int RSD	0.41169505	0.96378241	1.25172404	15.77975005	36.53404105	0.72301681	0.89025729
Int SD	13.00310000	263.36800000	131.95800000	20.90880000	27.35300000	52.82650000	23.68850000
RelInt Mean	0.00018322	0.00018161	0.00535513	-0.00130694	-0.00160416	0.00281158	0.00014823
RelInt RSD	6.60397439	1.89559381	1.48835416	45.24216873	27.30475763	0.47576807	12.54831985
RelInt SD	0.00001210	0.00000344	0.00007970	0.00059129	0.00043801	0.00001338	0.00001860
Conc Mean	0.00173279[mg/l]	<0.00000124[mg/l]	0.02064280[mg/l]	<-2.21119000[mg/l]	0.18615200[mg/l]	0.00235850[mg/l]	<0.00045218[mg/l]
Conc RSD	6.13109494	10263.0584565	1.73303525	145.11869175	85.46778976	0.52022896	36.25786476
Conc SD	0.00010624[mg/l]	0.00012766[mg/l]	0.00035775[mg/l]	3.20885000[mg/l]	0.15910000[mg/l]	0.00001227[mg/l]	0.00016395[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	55.92490000	3677.80000000	4104.12000000	2809.79000000	2202.37000000	2570.08000000	-105.22600000
Int RSD	145.43629045	0.49010278	0.44778661	0.43751312	1.17379459	1.62873529	52.44188699
Int SD	81.33510000	18.02500000	18.37770000	12.29320000	25.85130000	41.85980000	55.18250000
RelInt Mean	-0.00099777	0.00011991	0.00009697	0.00012611	-0.00001938	0.00043761	-0.00243516
RelInt RSD	52.82330161	25.78694554	3.92709240	2.67319816	62.23824927	8.89670412	37.52517288
RelInt SD	0.00052705	0.00003092	0.00000381	0.00000337	0.00001206	0.00003893	0.00091380
Conc Mean	<-0.09602650[mg/l]	0.00178588[mg/l]	0.00469274[mg/l]	<-0.00128896[mg/l]	<-0.00027382[mg/l]	0.01034590[mg/l]	<0.00089192[mg/l]
Conc RSD	43.90506787	17.73422626	3.00059240	12.76331306	292.49167324	8.78703641	165.16783512
Conc SD	0.04216050[mg/l]	0.00031671[mg/l]	0.00014081[mg/l]	0.00016451[mg/l]	0.00080089[mg/l]	0.00090910[mg/l]	0.00147316[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	29482.6000000	2155.79000000	5943.50000000	1241200	30045400	78232.3000000	3350.46000000
Int RSD	0.73969392	0.65510555	1.50862118	0.65494119	0.75506400	0.77369961	1.34959677
Int SD	218.08100000	14.12270000	89.66490000	8129.13000000	226862	605.28300000	45.21770000
RelInt Mean	0.00002615	-0.00027391	0.00003833	---	---	---	0.00060837
RelInt RSD	22.27485288	5.80008981	2.37537011	---	---	---	8.04144826
RelInt SD	0.00000583	0.00001589	0.00000091	---	---	---	0.00004892
Conc Mean	<0.00029609[mg/l]	<-0.01578640[mg/l]	<0.00092695[mg/l]	1235950	29999200	78280.6000000	0.00189122[mg/l]
Conc RSD	22.27479972	7.62536107	23.44366603	---	---	---	12.50457377
Conc SD	0.00006595[mg/l]	0.00120377[mg/l]	0.00021731[mg/l]	8108.96000000	227084	622.81500000	0.00023649[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-140.36000000	-70.33260000	4243.76000000	2986.60000000	3786.71000000	3656.68000000	
Int RSD	18.70340553	118.51815517	0.29414246	0.48735351	0.55613184	0.70087074	
Int SD	26.25210000	83.35690000	12.48270000	14.55530000	21.05910000	25.62860000	
RelInt Mean	-0.00210629	-0.00183256	0.00081686	0.00021690	0.00026654	0.00001284	
RelInt RSD	12.21474726	61.82717073	1.24293944	4.23119269	5.84769323	254.18721130	
RelInt SD	0.00025728	0.00113302	0.00001015	0.00000918	0.00001559	0.00003263	
Conc Mean	<-0.00181518[mg/l]	<-0.02553350[mg/l]	0.00576471[mg/l]	0.00804379[mg/l]	0.00059718[mg/l]	<0.00726083[mg/l]	
Conc RSD	57.06651682	90.60724147	3.06646822	3.30553135	10.51048346	30.04601402	
Conc SD	0.00103586[mg/l]	0.02313520[mg/l]	0.00017677[mg/l]	0.00026589[mg/l]	0.00006277[mg/l]	0.00218159[mg/l]	

ENTHALPY BLANK USER REPORT FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	Lab ID: QC1065086	
Seqnum: 483189258153.1	Matrix: Wipe	
File: met06_master011	Batch: 313734	Time: 11-MAY-2023 18:52
Cal: 483189258001	Caldate: 11-MAY-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	0.004650	ND	0.25	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1307730	1227900	-6.10

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BLANK,QC1065086,313734

Sample Type: Unknown Sample

Measure Date: 2023-05-11 18:52:08

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	25095.4000000	365.71600000	2047.81000000	3142.12000000	3866.92000000	116.14800000	3349.62000000
Int RSD	0.47570073	15.82514848	1.42348167	0.37770677	0.34690400	66.14001102	0.83587691
Int SD	119.37900000	57.87510000	29.15020000	11.86800000	13.41450000	76.82030000	27.99870000
RelInt Mean	0.00002832	0.00391592	-0.00023516	0.00017703	0.00019058	0.00153962	-0.00002815
RelInt RSD	11.52438314	36.12586570	6.74117072	5.32955245	3.88137390	65.91236799	88.90333397
RelInt SD	0.00000326	0.00141466	0.00001585	0.00000943	0.00000740	0.00101480	0.00002503
Conc Mean	<0.00007839[mg/l]	<0.01993630[mg/l]	<-0.01078490[mg/l]	<-0.00505696[mg/l]	0.00044811[mg/l]	<-0.03189970[mg/l]	<-0.00012777[mg/l]
Conc RSD	210.30603003	2576.02463847	8.94148300	2.75750649	6.24603334	260.67705966	127.81317013
Conc SD	0.00016486[mg/l]	0.51356400[mg/l]	0.00096433[mg/l]	0.00013945[mg/l]	0.00002799[mg/l]	0.08315520[mg/l]	0.00016331[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	3008.94000000	27095.6000000	7158.57000000	-44.83450000	-127.46200000	7101.26000000	2575.57000000
Int RSD	2.01532766	0.52194821	7.63257187	142.24559212	41.76860555	0.87141719	0.52449361
Int SD	60.64000000	141.42500000	546.38300000	63.77510000	53.23910000	61.88160000	13.50870000
RelInt Mean	0.00006863	0.00018980	0.00265742	0.00008067	-0.00244619	0.00267112	0.00008099
RelInt RSD	48.37257759	1.19144037	17.38565978	125.62431587	28.83610840	0.86294513	7.49319053
RelInt SD	0.00003320	0.00000226	0.00046201	0.00010134	0.00070539	0.00002305	0.00000607
Conc Mean	0.00072671[mg/l]	<0.00030494[mg/l]	0.00853446[mg/l]	5.31918000[mg/l]	<-0.11970000[mg/l]	0.00222965[mg/l]	<-0.00014050[mg/l]
Conc RSD	40.10846187	27.50155769	24.29726075	10.33899962	214.05012531	0.94830579	38.07171377
Conc SD	0.00029147[mg/l]	0.00008386[mg/l]	0.00207364[mg/l]	0.54995000[mg/l]	0.25621800[mg/l]	0.00002114[mg/l]	0.00005349[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	14.84630000	3649.82000000	4108.42000000	2838.22000000	2204.73000000	2709.02000000	-76.93690000
Int RSD	385.88335141	1.21040490	0.89503264	0.74666164	0.79484563	1.43443385	68.64131516
Int SD	57.28940000	44.17760000	36.77170000	21.19190000	17.52420000	38.85910000	52.81050000
RelInt Mean	-0.00140138	0.00008636	0.00009618	0.00013303	-0.00000889	0.00051826	-0.00195019
RelInt RSD	67.34490288	33.71958916	31.51121624	3.96022582	275.78382769	5.40605102	38.25273435
RelInt SD	0.00094376	0.00002912	0.00003031	0.00000527	0.00002452	0.00002802	0.00074600
Conc Mean	<-0.12831200[mg/l]	0.00144220[mg/l]	0.00464983[mg/l]	<0.00163134[mg/l]	<0.00042287[mg/l]	0.01222920[mg/l]	0.00167376[mg/l]
Conc RSD	58.83627408	20.68014145	25.04672214	15.81086714	384.86441492	5.34950774	71.85379027
Conc SD	0.07549400[mg/l]	0.00029825[mg/l]	0.00116463[mg/l]	0.00025793[mg/l]	0.00162748[mg/l]	0.00065420[mg/l]	0.00120266[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	30573.0000000	2144.01000000	5802.52000000	1227900	29520000	77167.3000000	3009.39000000
Int RSD	3.08311255	0.81191319	0.32328540	0.27756821	0.78337737	0.38221371	0.24939572
Int SD	942.60000000	17.40750000	18.75870000	3408.26000000	231253	294.94400000	7.50529000
RelInt Mean	0.00007907	-0.00029693	0.00003667	---	---	---	0.00033439
RelInt RSD	38.90688336	0.91539278	1.39552896	---	---	---	9.80603487
RelInt SD	0.00003076	0.00000272	0.00000051	---	---	---	0.00003279
Conc Mean	0.00089517[mg/l]	<-0.01752940[mg/l]	<0.00052960[mg/l]	1222710	29474400	77201.4000000	0.00056707[mg/l]
Conc RSD	38.90727145	1.17252159	23.05727120	---	---	---	27.98230903
Conc SD	0.00034829[mg/l]	0.00020554[mg/l]	0.00012211[mg/l]	3410.49000000	231361	315.52500000	0.00015868[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-54.69280000	-18.08120000	4178.68000000	3061.16000000	3773.90000000	3697.31000000	
Int RSD	125.06618787	388.73692012	0.35350637	1.09197820	0.51407562	1.39683716	
Int SD	68.40220000	70.28830000	14.77190000	33.42720000	19.40070000	51.64540000	
RelInt Mean	-0.00119130	-0.00080051	0.00078935	0.00023928	0.00025318	0.00001157	
RelInt RSD	72.67329808	123.81930929	3.44851744	9.38908902	4.68340831	308.71296880	
RelInt SD	0.00086576	0.00099118	0.00002722	0.00002247	0.00001186	0.00003573	
Conc Mean	<0.00186876[mg/l]	<-0.00445989[mg/l]	0.00530896[mg/l]	0.00869235[mg/l]	0.00054221[mg/l]	<0.00717638[mg/l]	
Conc RSD	186.52796507	453.80267226	8.72093593	7.48810161	8.99490972	33.28767429	
Conc SD	0.00348576[mg/l]	0.02023910[mg/l]	0.00046299[mg/l]	0.00065089[mg/l]	0.00004877[mg/l]	0.00238885[mg/l]	

ENTHALPY SPIKE USER REPORT FOR 484907 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET06	Inst: MET06
Seqnum: 483189258128.1	Seqnum: 483189258129.1
File: met06_master011	File: met06_master011
IDF: 1.0	IDF: 1.0
Lab ID: QC1065070	Lab ID: QC1065071
Matrix: Wipe	Matrix: Wipe
Batch: 313731	Batch: 313731
Time: 11-MAY-2023 17:27	Time: 11-MAY-2023 17:30
Cal: 483189258001	Cal: 483189258001
Units: ug/ft2	

- BS: 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 ⇒ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	50.00	1.059	52.94	A	106	1.046	52.29	A	105	80-120	1	20	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1307730	1220600	-6.66

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1307730	1240260	-5.16

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: BS,QC1065070,313731				Sample Type: Unknown Sample			
Measure Date: 2023-05-11 17:27:35			Recalculation Date:		State: Measured		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	288744	362.34100000	19935.8000000	76744.1000000	354096	154.57400000	200981
Int RSD	0.74951860	21.30225395	0.81955577	0.66528632	0.18718681	78.70922665	0.16094805
Int SD	2164.19000000	77.18680000	163.38500000	510.56800000	662.82100000	121.66400000	323.47500000
RelInt Mean	0.00902748	0.00464325	0.01443230	0.06062290	0.28819000	0.00217353	0.16229900
RelInt RSD	1.18626682	31.87788726	0.64795008	0.61440149	0.40806065	51.36299016	0.30919537
RelInt SD	0.00010709	0.00148017	0.00009351	0.00037247	0.00117599	0.00111639	0.00050182
Conc Mean	0.45457500[mg/l]	<0.24410700[mg/l]	0.88074100[mg/l]	0.88829700[mg/l]	1.08800000[mg/l]	<0.02004460[mg/l]	1.06114000[mg/l]
Conc RSD	1.18975307	220.12682963	0.64626150	0.61978708	0.40717739	456.38276643	0.31088735
Conc SD	0.00540832[mg/l]	0.53734500[mg/l]	0.00569189[mg/l]	0.00550555[mg/l]	0.00443009[mg/l]	0.09148010[mg/l]	0.00329895[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	152152	823020	310070	-140.90700000	-26.82610000	1473720	145475
Int RSD	0.05234982	0.81681855	0.29878157	17.60111279	285.67067147	0.09354762	0.42008799
Int SD	79.65130000	6722.58000000	926.43200000	24.80120000	76.63430000	1378.63000000	611.12300000
RelInt Mean	0.12236800	0.02740090	0.25179200	-0.00109175	-0.00097442	1.20922000	0.11752400
RelInt RSD	0.31359751	1.15486353	0.52851957	22.83040989	112.95688905	0.43085874	0.63481842
RelInt SD	0.00038374	0.00031644	0.00133077	0.00024925	0.00110067	0.00521003	0.00074606
Conc Mean	1.07447000[mg/l]	1.00935000[mg/l]	1.12675000[mg/l]	<-1.04339000[mg/l]	0.41489700[mg/l]	1.10890000[mg/l]	1.03504000[mg/l]
Conc RSD	0.31361229	1.16262941	0.53010783	129.63992371	96.36030147	0.43104698	0.63564017
Conc SD	0.00336967[mg/l]	0.01173500[mg/l]	0.00597299[mg/l]	1.35265000[mg/l]	0.39979600[mg/l]	0.00477988[mg/l]	0.00657913[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	525.14700000	131111	38114.4000000	26008.7000000	15170.1000000	2733.61000000	54965.2000000
Int RSD	20.48854892	0.31465933	0.77689010	0.70892432	0.49257685	1.05181061	0.55648483
Int SD	107.59500000	412.55300000	296.10700000	184.38200000	74.72440000	28.75240000	305.87300000
RelInt Mean	0.00494668	0.10472400	0.02793220	0.01909250	0.01058400	0.00050426	0.70613900
RelInt RSD	21.89306767	0.64724037	0.55838065	0.78092445	0.31257370	4.34223286	0.70930511
RelInt SD	0.00108298	0.00067782	0.00015597	0.00014910	0.00003308	0.00002190	0.00500868
Conc Mean	<0.37948800[mg/l]	1.07318000[mg/l]	1.05880000[mg/l]	0.91744100[mg/l]	0.70364100[mg/l]	0.01190230[mg/l]	1.14321000[mg/l]
Conc RSD	22.82815267	0.64665946	0.55756800	0.78997996	0.31219187	4.29548911	0.70610736
Conc SD	0.08663010[mg/l]	0.00693982[mg/l]	0.00590353[mg/l]	0.00724760[mg/l]	0.00219671[mg/l]	0.00051126[mg/l]	0.00807229[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	2689200	19052.5000000	127346	1220600	29173800	77727.1000000	251493
Int RSD	0.74505429	0.60956305	0.92158372	0.33672128	0.42906649	0.61210569	0.28193349
Int SD	20036.0000000	116.13700000	1173.60000000	4110.02000000	125175	475.77200000	709.04300000
RelInt Mean	0.09117680	0.01347790	0.00419567	---	---	---	0.20462100
RelInt RSD	1.16958481	0.71000749	1.29063535	---	---	---	0.62161753
RelInt SD	0.00106639	0.00009569	0.00005415	---	---	---	0.00127196
Conc Mean	1.03227000[mg/l]	1.02049000[mg/l]	0.99262500[mg/l]	1215220	29127800	77732.6000000	0.98771400[mg/l]
Conc RSD	1.16982960	0.70823428	1.30212316	---	---	---	0.62251623
Conc SD	0.01207580[mg/l]	0.00722746[mg/l]	0.01292520[mg/l]	4097.67000000	125675	494.68700000	0.00614868[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	17570.8000000	2096.49000000	331407	3356.50000000	280250	3824.17000000	
Int RSD	1.28944044	1.39058140	0.50607863	1.21458364	0.12865584	1.04330613	
Int SD	226.56500000	29.15340000	1677.18000000	40.76750000	360.55800000	39.89780000	
RelInt Mean	0.22491900	0.02619740	0.26965300	0.00044137	0.22743600	0.00009466	
RelInt RSD	0.78059212	0.55733012	0.62580427	8.94554394	0.18333465	32.29925870	
RelInt SD	0.00175570	0.00014601	0.00168750	0.00003948	0.00041697	0.00003057	
Conc Mean	0.91224600[mg/l]	0.54681500[mg/l]	4.56549000[mg/l]	0.01454710[mg/l]	0.93872300[mg/l]	0.01273080[mg/l]	
Conc RSD	0.77498504	0.54529777	0.62700827	7.86342295	0.18556379	16.05531467	
Conc SD	0.00706977[mg/l]	0.00298177[mg/l]	0.02862600[mg/l]	0.00114390[mg/l]	0.00174193[mg/l]	0.00204397[mg/l]	

Sample Name: BSD,QC1065071,313731				Sample Type: Unknown Sample			
Measure Date: 2023-05-11 17:30:50			Recalculation Date:		State: Measured		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	286868	342.04800000	19836.5000000	76773.2000000	351185	155.11000000	200041
Int RSD	1.00589818	27.49932758	0.91448592	0.32907577	0.18265188	61.16639804	0.11860269
Int SD	2885.60000000	94.06090000	181.40200000	252.64200000	641.44600000	94.87520000	237.25400000
RelInt Mean	0.00884519	0.00360944	0.01410790	0.05968020	0.28123700	0.00197097	0.15894500
RelInt RSD	0.85357239	28.26117071	0.86913006	0.24468919	0.17783258	48.56415876	0.14444556
RelInt SD	0.00007550	0.00102007	0.00012262	0.00014603	0.00050013	0.00095718	0.00022959
Conc Mean	0.44536900[mg/l]	<0.13119500[mg/l]	0.86101900[mg/l]	0.87436300[mg/l]	1.06171000[mg/l]	<0.00344587[mg/l]	1.03921000[mg/l]
Conc RSD	0.85612155	282.26228134	0.86617252	0.24689860	0.17779902	2276.17989071	0.14501593
Conc SD	0.00381290[mg/l]	0.37031400[mg/l]	0.00745791[mg/l]	0.00215879[mg/l]	0.00188771[mg/l]	0.07843420[mg/l]	0.00150702[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	151543	817639	315871	-110.80900000	0.32448300	1462010	145315
Int RSD	0.41487565	0.68481689	0.22056156	8.92256947	9745.93430164	0.13739578	0.11284451
Int SD	628.71500000	5599.33000000	696.69000000	9.88701000	31.62390000	2008.74000000	163.98000000
RelInt Mean	0.11991700	0.02685410	0.25245800	-0.00060205	-0.00102303	1.18053000	0.11550500
RelInt RSD	0.34092831	0.53329287	0.08050884	21.67494394	51.47698503	0.26477938	0.23475001
RelInt SD	0.00040883	0.00014321	0.00020325	0.00013049	0.00052663	0.00312580	0.00027115
Conc Mean	1.05295000[mg/l]	0.98906800[mg/l]	1.12973000[mg/l]	1.61414000[mg/l]	0.39723900[mg/l]	1.08258000[mg/l]	1.01724000[mg/l]
Conc RSD	0.34039888	0.53693275	0.08060528	43.87302217	48.15388217	0.26477304	0.23475581
Conc SD	0.00358423[mg/l]	0.00531063[mg/l]	0.00091062[mg/l]	0.70817200[mg/l]	0.19128600[mg/l]	0.00286638[mg/l]	0.00238803[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	494.09500000	130487	38283.7000000	25989.1000000	15203.7000000	2530.70000000	54614.2000000
Int RSD	13.02508627	0.26096776	0.54601567	0.96574333	0.67619066	0.87434307	2.08879742
Int SD	64.35630000	340.52900000	209.03500000	250.98800000	102.80600000	22.12700000	1140.78000000
RelInt Mean	0.00476948	0.10254500	0.02759020	0.01875940	0.01043850	0.00032956	0.70499900
RelInt RSD	17.13071446	0.11589644	0.47462505	1.07948015	0.89403458	2.29911457	3.37007570
RelInt SD	0.00081705	0.00011885	0.00013095	0.00020250	0.00009332	0.00000758	0.02375900
Conc Mean	<0.36531200[mg/l]	1.05085000[mg/l]	1.04587000[mg/l]	0.90136700[mg/l]	0.69398100[mg/l]	0.00782293[mg/l]	1.14137000[mg/l]
Conc RSD	17.89092611	0.11599848	0.47310182	1.09044817	0.89293079	2.26155673	3.35612466
Conc SD	0.06535770[mg/l]	0.00121897[mg/l]	0.00494803[mg/l]	0.00982894[mg/l]	0.00619677[mg/l]	0.00017692[mg/l]	0.03830580[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	2678680	18987.9000000	126523	1240260	29565200	77360.7000000	249976
Int RSD	1.43136918	0.91128561	0.84869154	0.24298857	0.23159728	1.32722429	0.45800797
Int SD	38341.8000000	173.03400000	1073.79000000	3013.69000000	68472.2000000	1026.75000000	1144.91000000
RelInt Mean	0.08961970	0.01320620	0.00411114	---	---	---	0.20012500
RelInt RSD	1.45569557	1.13316473	0.80066356	---	---	---	0.34247945
RelInt SD	0.00130459	0.00014965	0.00003292	---	---	---	0.00068539
Conc Mean	1.01464000[mg/l]	1.00001000[mg/l]	0.97245800[mg/l]	1234830	29518500	77362.7000000	0.96598800[mg/l]
Conc RSD	1.45574785	1.13052869	0.80772126	---	---	---	0.34270819
Conc SD	0.01477060[mg/l]	0.01130540[mg/l]	0.00785475[mg/l]	2984.48000000	68505.9000000	1028.22000000	0.00331052[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	17281.1000000	2109.99000000	330350	3233.69000000	279075	3851.01000000	
Int RSD	1.99456632	7.54079403	0.14374845	0.94235378	0.07475625	1.14398560	
Int SD	344.68300000	159.11000000	474.87300000	30.47280000	208.62600000	44.05500000	
RelInt Mean	0.22231800	0.02661570	0.26450900	0.00030996	0.22284600	0.00010312	
RelInt RSD	3.49252872	8.52136145	0.18976632	7.46369634	0.26260646	27.18246618	
RelInt SD	0.00776452	0.00226802	0.00050195	0.00002313	0.00058521	0.00002803	
Conc Mean	0.90177000[mg/l]	0.55535500[mg/l]	4.47820000[mg/l]	0.01073990[mg/l]	0.91977300[mg/l]	0.01329610[mg/l]	
Conc RSD	3.46673764	8.33908041	0.19066277	6.24075643	0.26549268	14.09315514	
Conc SD	0.03126200[mg/l]	0.04631150[mg/l]	0.00853826[mg/l]	0.00067025[mg/l]	0.00244193[mg/l]	0.00187384[mg/l]	

ENTHALPY SPIKE USER REPORT FOR 484907 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET06	Inst: MET06
Seqnum: 483189258154.1	Seqnum: 483189258155.1
File: met06_master011	File: met06_master011
IDF: 1.0	IDF: 1.0
Lab ID: QC1065088	Lab ID: QC1065089
Matrix: Wipe	Matrix: Wipe
Batch: 313734	Batch: 313734
Time: 11-MAY-2023 18:55	Time: 11-MAY-2023 18:58
Cal: 483189258001	Cal: 483189258001
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	1.082	54.08	A	108	1.088	54.38	A	109	80-120	1	20	<a+ u b*

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1307730	1227650	-6.12

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1307730	1229500	-5.98

+ = high bias < = opening a = ICSA b = noncompliant u = use

Sample Name: BS,QC1065088,313734 Sample Type: Unknown Sample

Measure Date: 2023-05-11 18:55:23 Recalculation Date: State: Measured Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	297398	265.73600000	20494.9000000	77575.6000000	359028	107.54700000	205597
Int RSD	0.36870120	17.75536623	0.92709406	0.46195582	0.46603608	117.60253657	0.69838081
Int SD	1096.51000000	47.18240000	190.00700000	358.36500000	1673.20000000	126.47800000	1435.85000000
RelInt Mean	0.00915368	0.00289344	0.01478070	0.06091380	0.29053100	0.00112989	0.16510100
RelInt RSD	0.49013293	32.04358825	0.90964569	0.34388759	0.21063467	166.65073591	0.41418889
RelInt SD	0.00004487	0.00092716	0.00013445	0.00020948	0.00061196	0.00188297	0.00068383
Conc Mean	0.46094900[mg/l]	<0.39112500[mg/l]	0.90192500[mg/l]	0.89259600[mg/l]	1.09687000[mg/l]	<0.06547410[mg/l]	1.07950000[mg/l]
Conc RSD	0.49158150	86.05586449	0.90739917	0.34688594	0.21034671	235.65959670	0.41372580
Conc SD	0.00226594[mg/l]	0.33658600[mg/l]	0.00818406[mg/l]	0.00309629[mg/l]	0.00230723[mg/l]	0.15429600[mg/l]	0.00446617[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	154627	837783	314011	-89.79400000	-115.35700000	1502720	146165
Int RSD	0.62125890	0.59978300	0.51038021	79.68795242	33.82499545	0.26862024	0.55700612
Int SD	960.63400000	5024.88000000	1602.65000000	71.55500000	39.01950000	4036.61000000	814.14800000
RelInt Mean	0.12363200	0.02743470	0.25348600	-0.00028270	-0.00235434	1.22590000	0.11740000
RelInt RSD	0.38679387	0.75166851	0.25258673	375.82021868	15.24847728	0.42028877	0.30077172
RelInt SD	0.00047820	0.00020622	0.00064027	0.00106244	0.00035900	0.00515232	0.00035311
Conc Mean	1.08557000[mg/l]	1.01060000[mg/l]	1.13435000[mg/l]	<3.34723000[mg/l]	<-0.08633360[mg/l]	1.12419000[mg/l]	1.03395000[mg/l]
Conc RSD	0.38671389	0.75642391	0.25323137	172.25496903	151.04432110	0.41996815	0.30086465
Conc SD	0.00419805[mg/l]	0.00764442[mg/l]	0.00287253[mg/l]	5.76577000[mg/l]	0.13040200[mg/l]	0.00472124[mg/l]	0.00311079[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	453.24800000	134594	39072.2000000	26733.1000000	15723.2000000	2615.57000000	55243.4000000
Int RSD	25.50678657	0.32845595	0.55652356	0.56970572	0.54933983	1.64519015	0.79434285
Int SD	115.60900000	442.08200000	217.44600000	152.30000000	86.37380000	43.03110000	438.82200000
RelInt Mean	0.00399652	0.10693800	0.02853540	0.01955640	0.01097940	0.00037689	0.70659800
RelInt RSD	34.80377929	0.09616039	0.57234523	0.76314659	0.56248793	10.06901236	0.19116244
RelInt SD	0.00139094	0.00010283	0.00016332	0.00014924	0.00006176	0.00003795	0.00135075
Conc Mean	<0.30348100[mg/l]	1.09585000[mg/l]	1.08168000[mg/l]	0.93993900[mg/l]	0.72988600[mg/l]	0.00892818[mg/l]	1.14395000[mg/l]
Conc RSD	36.66325075	0.09593740	0.57140559	0.77217032	0.56154249	9.92486711	0.19027930
Conc SD	0.11126600[mg/l]	0.00105133[mg/l]	0.00618078[mg/l]	0.00725793[mg/l]	0.00409862[mg/l]	0.00088611[mg/l]	0.00217670[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	2730880	19488.7000000	129089	1227650	29663000	77948.5000000	259435
Int RSD	0.61441367	0.24606875	0.61138749	0.30992465	0.26554158	0.77097186	0.17812940
Int SD	16778.9000000	47.95560000	789.23400000	3804.79000000	78767.6000000	600.96100000	462.13000000
RelInt Mean	0.09106930	0.01378260	0.00418178	---	---	---	0.20987900
RelInt RSD	0.72721543	0.29738293	0.68431147	---	---	---	0.14509837
RelInt SD	0.00066227	0.00004099	0.00002862	---	---	---	0.00030453
Conc Mean	1.03105000[mg/l]	1.04358000[mg/l]	0.98930900[mg/l]	1222280	29615900	77987.0000000	1.01313000[mg/l]
Conc RSD	0.72707822	0.29942122	0.69018679	---	---	---	0.14495376
Conc SD	0.00749654[mg/l]	0.00312470[mg/l]	0.00682808[mg/l]	3796.11000000	78861.9000000	566.60800000	0.00146857[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	17539.0000000	2167.32000000	324117	3336.60000000	289526	5213.90000000	
Int RSD	0.38258567	7.16336305	0.38951675	1.53454115	0.30449182	1.12033027	
Int SD	67.10170000	155.25300000	1262.49000000	51.20150000	881.58300000	58.41290000	
RelInt Mean	0.22447800	0.02695910	0.26205900	0.00036645	0.23365300	0.00113547	
RelInt RSD	0.31662123	6.95950532	0.16970682	8.02399801	0.02580125	3.57980396	
RelInt SD	0.00071074	0.00187622	0.00044473	0.00002940	0.00006029	0.00004065	
Conc Mean	0.91046800[mg/l]	0.56236800[mg/l]	4.43605000[mg/l]	0.01237660[mg/l]	0.96441000[mg/l]	0.08231270[mg/l]	
Conc RSD	0.31421752	6.81235419	0.16954565	6.88306158	0.02818573	3.30131316	
Conc SD	0.00286085[mg/l]	0.03831050[mg/l]	0.00752113[mg/l]	0.00085189[mg/l]	0.00027183[mg/l]	0.00271740[mg/l]	

Sample Name: BSD,QC1065089,313734

Sample Type: Unknown Sample

Measure Date: 2023-05-11 18:58:37

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	296810	305.99000000	20724.1000000	77812.5000000	356822	116.16000000	206198
Int RSD	0.74994778	11.00571914	0.90555440	0.05234493	0.74406287	118.83264463	0.78467783
Int SD	2225.92000000	33.67640000	187.66800000	40.73090000	2654.98000000	138.03600000	1617.99000000
RelInt Mean	0.00911285	0.00349347	0.01494800	0.06100800	0.28829600	0.00155852	0.16534400
RelInt RSD	0.44935668	7.29114605	1.22109981	0.29607592	0.91174349	82.29666607	0.80965744
RelInt SD	0.00004095	0.00025471	0.00018253	0.00018063	0.00262852	0.00128261	0.00133872
Conc Mean	0.45888700[mg/l]	<0.17329800[mg/l]	0.91210600[mg/l]	0.89398800[mg/l]	1.08841000[mg/l]	<0.03035060[mg/l]	1.08108000[mg/l]
Conc RSD	0.45071445	53.35785756	1.21723791	0.29865502	0.91281043	346.28969444	0.81111481
Conc SD	0.00206827[mg/l]	0.09246810[mg/l]	0.01110250[mg/l]	0.00266994[mg/l]	0.00993512[mg/l]	0.10510100[mg/l]	0.00876880[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	154740	837990	314111	-26.64060000	-14.12820000	1494790	146177
Int RSD	0.55375210	0.42437261	0.63451455	357.02686876	361.50606588	0.18077255	0.57012526
Int SD	856.87600000	3556.20000000	1993.08000000	95.11410000	51.07430000	2702.17000000	833.39200000
RelInt Mean	0.12353000	0.02738570	0.25318100	0.00056617	-0.00100196	1.21752000	0.11723300
RelInt RSD	0.65425484	0.42293606	0.81649097	139.04718337	101.82841630	0.14981520	0.65445054
RelInt SD	0.00080820	0.00011582	0.00206720	0.00078725	0.00102028	0.00182403	0.00076723
Conc Mean	1.08467000[mg/l]	1.00878000[mg/l]	1.13298000[mg/l]	7.95396000[mg/l]	<0.40489200[mg/l]	1.11651000[mg/l]	1.03247000[mg/l]
Conc RSD	0.65446818	0.42582823	0.81887235	53.71274183	91.53033401	0.15007479	0.65516189
Conc SD	0.00709882[mg/l]	0.00429567[mg/l]	0.00927766[mg/l]	4.27229000[mg/l]	0.37059900[mg/l]	0.00167560[mg/l]	0.00676435[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	450.32600000	134791	39321.4000000	26900.0000000	15935.8000000	2679.70000000	54715.1000000
Int RSD	9.91646052	0.50733580	0.65106532	0.43184387	0.10779879	1.65948054	1.01546191
Int SD	44.65640000	683.84300000	256.00800000	116.16600000	17.17860000	44.46910000	555.61100000
RelInt Mean	0.00416456	0.10695700	0.02869310	0.01966220	0.01115150	0.00044041	0.70000300
RelInt RSD	10.90888353	0.61111662	0.73018252	0.81144531	0.25253912	6.57729580	0.29586587
RelInt SD	0.00045431	0.00065363	0.00020951	0.00015955	0.00002816	0.00002897	0.00207107
Conc Mean	<0.31692400[mg/l]	1.09604000[mg/l]	1.08764000[mg/l]	0.94508700[mg/l]	0.74131300[mg/l]	0.01041140[mg/l]	1.13332000[mg/l]
Conc RSD	11.46688165	0.61129156	0.72988213	0.82059218	0.25251817	6.49636936	0.29463876
Conc SD	0.03634130[mg/l]	0.00670000[mg/l]	0.00793849[mg/l]	0.00775531[mg/l]	0.00187195[mg/l]	0.00067636[mg/l]	0.00333920[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	2748260	19519.4000000	129017	1229500	29725200	78028.9000000	260217
Int RSD	0.51402706	0.22298790	0.35361852	0.30278975	0.63938342	0.80627434	0.43888754
Int SD	14126.8000000	43.52590000	456.22800000	3722.80000000	190058	629.12700000	1142.06000000
RelInt Mean	0.09146300	0.01379570	0.00417319	---	---	---	0.21022000
RelInt RSD	0.13217257	0.58722428	0.48370431	---	---	---	0.69346399
RelInt SD	0.00012089	0.00008101	0.00002019	---	---	---	0.00145780
Conc Mean	1.03550000[mg/l]	1.04457000[mg/l]	0.98725900[mg/l]	1224180	29678000	78029.3000000	1.01478000[mg/l]
Conc RSD	0.13218831	0.58645184	0.48784564	---	---	---	0.69424604
Conc SD	0.00136881[mg/l]	0.00612590[mg/l]	0.00481630[mg/l]	3782.91000000	189958	599.07700000	0.00704507[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	17538.3000000	2067.38000000	318333	3350.14000000	289920	3951.45000000	
Int RSD	1.72416939	3.25925084	0.70556618	2.53670294	0.53223303	0.45223652	
Int SD	302.39000000	67.38110000	2246.05000000	84.98310000	1543.05000000	17.86990000	
RelInt Mean	0.22367100	0.02612820	0.25696000	0.00036466	0.23361700	0.00009704	
RelInt RSD	0.88880543	3.06121738	0.85596591	19.03579205	0.70279132	12.49979390	
RelInt SD	0.00198800	0.00079984	0.00219949	0.00006942	0.00164184	0.00001213	
Conc Mean	0.90722000[mg/l]	0.54540100[mg/l]	4.34915000[mg/l]	0.01232490[mg/l]	0.96422100[mg/l]	0.01289020[mg/l]	
Conc RSD	0.88221490	2.99464064	0.85854247	16.31777945	0.70160990	6.29119796	
Conc SD	0.00800363[mg/l]	0.01633280[mg/l]	0.03733930[mg/l]	0.00201115[mg/l]	0.00676507[mg/l]	0.00081095[mg/l]	

Instrument: MET06
Calibration #: 483189258001
Units: mg/L

Date: 11-MAY-2023 10:18
X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483189258002	L1	11-MAY-2023 10:22	S18001, S14463 (100X)
L2	met06_master011	483189258003	L2	11-MAY-2023 10:25	S18000, S14463 (100X)
L3	met06_master011	483189258004	L3	11-MAY-2023 10:28	S17999, S14463 (100X)
L4	met06_master011	483189258005	L4	11-MAY-2023 10:32	S17998, S14463 (100X)
L5	met06_master011	483189258006	L5	11-MAY-2023 10:35	S17997, S14463 (100X)
L6	met06_master011	483189258007	L6	11-MAY-2023 10:38	S17996, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	10.00E-4	37.8712		0.0259	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	0.0237	0.0240	0.0281	0.0271	0.0262	0.0264

Spiked Amounts / Drifts	Ch	L1 %D	L2 %D	L3 %D	L4 %D	L5 %D	L6 %D
Lead	A	0.0033 20	0.0100 1	0.1000 7	1.0000 3	5.0000 -1	10.000 0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 484907 METALS Wipe
EPA 6010B

Inst: MET06
Calnum: 483189258001

Cal Date: 11-MAY-2023

- ICV 483189258010 (11-MAY-2023) stds: S18304, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.065	mg/l	6	10	

Method Name: Met06_Master011923

Method Autor:

Operator

Sample Name: ICALBLK,CALBLANK

Sample Type: Calibration Sample

Measure Date: 2023-05-11 10:18:59

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28876.6000000	328.86700000	2513.65000000	4114.73000000	4300.22000000	62.19070000	3948.93000000
Int RSD	0.29792635	55.82682361	1.45233425	0.60667650	0.11894205	66.41571811	0.13580869
Int SD	86.03100000	183.59600000	36.50660000	24.96310000	5.11477000	41.30440000	5.36299000
RelInt Mean	0.00002677	0.00398719	-0.00005792	0.00052839	0.00008296	0.00197496	-0.00000887
RelInt RSD	13.63556907	46.89141977	33.86913261	5.44492957	19.51735169	24.55042127	250.72061372
RelInt SD	0.00000365	0.00186965	0.00001962	0.00002877	0.00001619	0.00048486	0.00002225

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3364.60000000	30618.7000000	5504.04000000	-110.34600000	-117.69400000	4670.75000000	2841.46000000
Int RSD	0.18498454	0.18607518	0.96824333	49.26150472	68.84701004	0.29105604	1.84039191
Int SD	6.22399000	56.97380000	53.29250000	54.35810000	81.02880000	13.59450000	52.29400000
RelInt Mean	-0.00002358	0.00018485	0.00074289	-0.00089947	-0.00211663	0.00021275	0.00009175
RelInt RSD	92.88385860	3.44561536	5.98624026	23.17326165	45.22528737	6.72054711	39.68908619
RelInt SD	0.00002190	0.00000637	0.00004447	0.00020844	0.00095725	0.00001430	0.00003641

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	162.00900000	4126.29000000	4360.02000000	3208.71000000	2356.73000000	2367.93000000	-154.21700000
Int RSD	64.96305761	0.58661413	0.43133518	1.30417520	0.40080832	1.21424198	58.86257676
Int SD	105.24600000	24.20540000	18.80630000	41.84720000	9.44597000	28.75240000	90.77610000
RelInt Mean	0.00019131	-0.00006483	-0.00002685	0.00010428	-0.00001566	-0.00000547	-0.00319294
RelInt RSD	553.85966380	43.45071726	114.71244418	42.88384269	84.97267062	303.40914907	28.76640338
RelInt SD	0.00105960	0.00002817	0.00003080	0.00004472	0.00001331	0.00001660	0.00091849

	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	32003.7000000	2323.26000000	6761.46000000	1307730	30947500	80618.0000000	3165.85000000
Int RSD	1.00098426	0.42967167	0.75878878	1.08980447	0.46423782	0.20769307	0.91225105
Int SD	320.35200000	9.98239000	51.30520000	14251.7000000	143670	167.43800000	28.88050000
RelInt Mean	0.00000101	-0.00006621	0.00003469	---	---	---	0.00019107
RelInt RSD	745.40916684	8.92367971	2.76832953	---	---	---	12.11944376
RelInt SD	0.00000754	0.00000591	0.00000096	---	---	---	0.00002316

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-118.32600000	-23.18610000	4283.63000000	3404.93000000	4195.08000000	4398.81000000	
Int RSD	73.51292193	194.44279116	0.45045674	1.96927690	0.30652574	0.85506080	
Int SD	86.98490000	45.08370000	19.29590000	67.05250000	12.85900000	37.61250000	
RelInt Mean	-0.00165541	-0.00058205	0.00047811	-0.00006074	0.00013180	-0.00009577	
RelInt RSD	20.79297576	117.83445837	3.45840192	56.43415371	24.18093670	17.62575167	
RelInt SD	0.00034421	0.00068586	0.00001654	0.00003428	0.00003187	0.00001688	

Sample Name: ICAL,L1,S18001

Sample Type: Calibration Sample

Measure Date: 2023-05-11 10:22:17

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29130.7000000	346.12400000	2598.36000000	4417.39000000	5617.78000000	43.99900000	4376.64000000
Int RSD	0.51615649	30.97242607	2.27260657	0.69037826	0.19112176	143.96781745	0.75579897
Int SD	150.36000000	107.20300000	59.05050000	30.49670000	10.73680000	63.34440000	33.07860000
RelInt Mean	0.00003425	0.00356257	-0.00002888	0.00071026	0.00102636	0.00084781	0.00025980
RelInt RSD	10.78948444	54.11346303	137.44776321	5.95570936	1.86104291	27.30122858	8.01302530
RelInt SD	0.00000370	0.00192783	0.00003970	0.00004230	0.00001910	0.00023146	0.00002082

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3941.93000000	33253.6000000	7334.16000000	-26.26690000	-106.89100000	9683.40000000	3383.22000000
Int RSD	0.95470493	0.26327165	1.02052996	47.99119805	56.40531008	0.35037797	1.41127388
Int SD	37.63380000	87.54730000	74.84730000	12.60580000	60.29220000	33.92850000	47.74650000
RelInt Mean	0.00038253	0.00026986	0.00208032	0.00032830	-0.00191728	0.00401388	0.00047765
RelInt RSD	8.69838340	1.51972668	3.08688567	61.99234230	45.57200826	1.68144538	5.48639273
RelInt SD	0.00003327	0.00000410	0.00006422	0.00020352	0.00087374	0.00006749	0.00002621

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	211.65600000	4646.20000000	4597.64000000	3598.99000000	2606.49000000	2628.60000000	-95.92230000
Int RSD	72.99816684	0.93324652	0.85772048	0.73131906	1.26810385	1.00122879	10.49224216
Int SD	154.50500000	43.36050000	39.43490000	26.32010000	33.05300000	26.31830000	10.06440000
RelInt Mean	0.00033584	0.00026627	0.00007914	0.00035092	0.00014748	0.00016716	-0.00263685
RelInt RSD	313.84587899	10.11169156	36.62167251	8.54368932	17.55970382	11.62237829	30.22614104
RelInt SD	0.00105402	0.00002692	0.00002898	0.00002998	0.00002590	0.00001943	0.00079702

	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	40936.5000000	2553.10000000	7137.52000000	1308370	30773700	80404.6000000	6261.27000000
Int RSD	0.77055684	0.80142572	1.12321507	0.96033996	0.09867159	0.37077605	0.17233085
Int SD	315.43900000	20.46120000	80.16970000	12564.8000000	30364.9000000	298.12100000	10.79010000
RelInt Mean	0.00028632	0.00007826	0.00004641	---	---	---	0.00251628
RelInt RSD	1.16944210	14.48701125	5.31750820	---	---	---	1.22180759
RelInt SD	0.00000335	0.00001134	0.00000247	---	---	---	0.00003074

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-167.21200000	60.25310000	4326.13000000	3493.39000000	4823.83000000	4458.33000000	
Int RSD	48.96861469	66.07477458	1.70823114	0.36499790	0.87856537	0.17290241	
Int SD	81.88140000	39.81210000	73.90030000	12.75080000	42.38050000	7.70856000	
RelInt Mean	-0.00284304	-0.00005524	0.00045482	-0.00002062	0.00057410	-0.00008005	
RelInt RSD	15.91817210	907.45216461	15.03560757	77.50814711	3.89475316	23.71247731	
RelInt SD	0.00045256	0.00050124	0.00006838	0.00001598	0.00002236	0.00001898	

Sample Name: ICAL,L2,S18000

Sample Type: Calibration Sample

Measure Date: 2023-05-11 10:25:34

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29353.3000000	310.99100000	2766.63000000	4923.63000000	7982.27000000	131.75300000	5007.57000000
Int RSD	0.81973747	28.85041689	1.47032310	0.32461416	0.63759432	20.40583516	0.50472984
Int SD	240.62000000	89.72220000	40.67840000	15.98280000	50.89450000	26.88530000	25.27470000
RelInt Mean	0.0003046	0.00386634	0.00009550	0.00108735	0.00281016	0.00095023	0.00073850
RelInt RSD	24.98489704	44.62954629	26.66232483	1.28550145	0.96516213	48.12471125	2.58378447
RelInt SD	0.00000761	0.00172553	0.00002546	0.00001398	0.00002712	0.00045729	0.00001908
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5010.04000000	38694.5000000	11184.5000000	-155.19400000	-57.82080000	19365.9000000	4328.38000000
Int RSD	0.53866436	0.67452480	0.21712370	35.84661778	217.23151530	1.10277343	0.34034905
Int SD	26.98730000	261.00400000	24.28420000	55.63180000	125.60500000	213.56200000	14.73160000
RelInt Mean	0.00119594	0.00043278	0.00497081	-0.00083720	-0.00170600	0.01126730	0.00116737
RelInt RSD	2.28722177	0.85613178	0.86161813	123.03421652	52.26817116	0.77319589	0.46580776
RelInt SD	0.00002735	0.00000371	0.00004283	0.00103004	0.00089170	0.00008712	0.00000544
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	271.56600000	5549.76000000	4794.26000000	4043.14000000	3011.53000000	2968.53000000	593.60600000
Int RSD	10.81888012	0.33407931	1.51340770	0.60340973	1.55126464	1.27362028	10.64625358
Int SD	29.38040000	18.54060000	72.55670000	24.39670000	46.71680000	37.80780000	63.19680000
RelInt Mean	0.00105981	0.00095897	0.00024007	0.00068642	0.00044312	0.00042943	0.00646600
RelInt RSD	76.11562450	1.22633275	17.56004599	2.39254392	5.75240790	8.34143717	3.95484071
RelInt SD	0.00080668	0.00001176	0.00004216	0.00001642	0.00002549	0.00003582	0.00025572
	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	58952.0000000	2905.00000000	7595.77000000	1327710	31093800	80854.4000000	11656.90000000
Int RSD	0.20564527	0.43526334	1.39721187	0.61901243	0.08531444	0.74473622	0.58051369
Int SD	121.23200000	12.64440000	106.12900000	8218.69000000	26527.5000000	602.15200000	67.66990000
RelInt Mean	0.00085322	0.00033931	0.00005779	---	---	---	0.00657224
RelInt RSD	1.00725956	5.99853821	3.03504188	---	---	---	0.51778389
RelInt SD	0.00000859	0.00002035	0.00000175	---	---	---	0.00003403
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-114.11300000	-25.20740000	4248.44000000	3474.16000000	5844.49000000	4410.78000000	
Int RSD	22.93752684	37.47482882	0.87443156	0.98951689	1.10826950	0.17568616	
Int SD	26.17470000	9.44643000	37.14970000	34.37740000	64.77270000	7.74913000	
RelInt Mean	-0.00202528	-0.00057587	0.00039455	-0.00002530	0.00132989	-0.00011021	
RelInt RSD	14.03445450	57.95949058	8.66116167	180.17697926	3.51191452	16.06260775	
RelInt SD	0.00028424	0.00033377	0.00003417	0.00004559	0.00004670	0.00001770	

Method Name: Met06_Master011923

Method Autor: Operator

Sample Name: ICAL,L3,S17999

Sample Type: Calibration Sample

Measure Date: 2023-05-11 10:28:51

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29277.8000000	336.72300000	4736.63000000	11899.2000000	40276.4000000	86.60960000	13839.7000000
Int RSD	0.19256775	7.12086789	0.27673050	0.34209695	0.72094576	169.93843639	0.70897202
Int SD	56.37960000	23.97760000	13.10770000	40.70680000	290.37100000	147.18300000	98.11960000
RelInt Mean	0.00002814	0.00383750	0.00160166	0.00646597	0.02771240	0.00068780	0.00754030
RelInt RSD	6.41106453	32.74996743	0.72604048	0.52994060	1.15213767	351.13841233	1.14402345
RelInt SD	0.00000180	0.00125678	0.00001163	0.00003427	0.00031928	0.00241513	0.00008626

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	18999.4000000	108011	65262.4000000	-137.60400000	-78.47250000	153723	17622.9000000
Int RSD	0.37557923	0.06449001	0.66925826	15.72170867	66.08939437	0.07058085	0.77967871
Int SD	71.35780000	69.65630000	436.77400000	21.63370000	51.86200000	108.49900000	137.40200000
RelInt Mean	0.01196090	0.00270664	0.04667820	-0.00096195	-0.00202616	0.11494700	0.01141260
RelInt RSD	0.20187862	0.24938448	1.03358741	24.61094813	51.23139337	0.35429111	1.40627902
RelInt SD	0.00002415	0.00000675	0.00048246	0.00023675	0.00103803	0.00040725	0.00016049

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	2008.99000000	17684.0000000	8151.86000000	11361.9000000	8465.70000000	8239.03000000	25343.2000000
Int RSD	3.43726450	0.42833918	0.43512033	0.44959910	0.44819212	0.19292562	1.11707282
Int SD	69.05430000	75.74750000	35.47040000	51.08300000	37.94260000	15.89520000	283.10200000
RelInt Mean	0.02251440	0.01029510	0.00281009	0.00631554	0.00464737	0.00448180	0.31195600
RelInt RSD	6.17733539	0.83717205	0.53012181	0.80267721	1.10432352	0.57380740	0.69662068
RelInt SD	0.00139079	0.00008619	0.00001490	0.00005069	0.00005132	0.00002572	0.00217315

	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	294215	7574.92000000	13108.8000000	1303650	30569200	80813.2000000	92211.9000000
Int RSD	0.24125826	0.34288283	0.95622025	0.33081425	0.19894142	1.14135562	0.74262324
Int SD	709.81800000	25.97310000	125.34900000	4312.66000000	60814.8000000	922.36600000	684.78700000
RelInt Mean	0.00856588	0.00391213	0.00024071	---	---	---	0.06871590
RelInt RSD	0.17475496	0.09941592	1.52855986	---	---	---	1.09503914
RelInt SD	0.00001497	0.00000389	0.00000368	---	---	---	0.00075247

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-64.21410000	-9.77523000	4375.04000000	3486.89000000	19899.3000000	4437.54000000	
Int RSD	112.27144817	979.60354897	0.85201050	2.30238694	0.63053474	0.39071422	
Int SD	72.09410000	95.75850000	37.27580000	80.28170000	125.47200000	17.33810000	
RelInt Mean	-0.00130328	-0.00053975	0.00045946	-0.00003471	0.01215460	-0.00009243	
RelInt RSD	17.06456019	241.53768625	2.03816420	186.23386128	1.05567439	22.34363556	
RelInt SD	0.00022240	0.00130369	0.00000936	0.00006464	0.00012831	0.00002065	

Sample Name: ICAL,L4,S17998

Sample Type: Calibration Sample

Measure Date: 2023-05-11 10:32:08

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29715.0000000	408.40500000	23167.9000000	86836.0000000	339563	7894.58000000	102609
Int RSD	0.73160693	7.87492807	0.28965336	0.33092496	0.27571938	2.07871730	0.26031537
Int SD	217.39700000	32.16160000	67.10660000	287.36200000	936.24100000	164.10600000	267.10700000
RelInt Mean	0.00002611	0.00355814	0.01598100	0.06531610	0.26310500	0.09926900	0.07718840
RelInt RSD	15.26670369	12.93602837	0.69122082	1.25712650	1.11700652	2.43267284	0.97731913
RelInt SD	0.00000399	0.00046028	0.00011046	0.00082111	0.00293890	0.00241489	0.00075438
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	147004	788173	577787	-37.81840000	846.29000000	1426940	143196
Int RSD	0.17040897	0.81692979	0.22481122	94.15496161	7.94472344	0.80154036	0.29930515
Int SD	250.50800000	6438.82000000	1298.93000000	35.60790000	67.23540000	11437.5000000	428.59300000
RelInt Mean	0.11235100	0.02558160	0.44992800	-0.00026270	0.01039460	1.11677000	0.11006700
RelInt RSD	0.94453098	0.89671874	1.08778071	171.74778643	7.17853501	0.13253400	1.17905458
RelInt SD	0.00106119	0.00022939	0.00489423	0.00045118	0.00074618	0.00148010	0.00129775
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	19981.9000000	129431	39290.7000000	81490.5000000	61290.4000000	57195.6000000	254922
Int RSD	0.24626887	0.48572444	0.45347372	0.55507820	0.20303506	0.75264531	0.55531888
Int SD	49.20920000	628.67800000	178.17300000	452.33600000	124.44100000	430.48000000	1415.63000000
RelInt Mean	0.24873900	0.09798090	0.02713660	0.06130350	0.04609270	0.04289240	3.19806000
RelInt RSD	0.43498607	1.30403987	0.39735634	1.01901360	0.91260438	1.35862997	0.07281633
RelInt SD	0.00108198	0.00127771	0.00010783	0.00062469	0.00042064	0.00058275	0.00232871
	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	2563150	53816.5000000	66494.1000000	1279080	29767800	79648.6000000	837220
Int RSD	0.65482707	0.45455576	0.60735614	0.91526722	0.85514549	0.53538669	0.36103653
Int SD	16784.2000000	244.62600000	403.85600000	11707.0000000	254558	426.42800000	3022.67000000
RelInt Mean	0.08500890	0.04010550	0.00203473	---	---	---	0.65487700
RelInt RSD	0.53208899	1.32490307	0.67874362	---	---	---	1.04477329
RelInt SD	0.00045232	0.00053136	0.00001381	---	---	---	0.00684198
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	3852.24000000	1963.74000000	5621.55000000	3809.39000000	151183	4704.80000000	
Int RSD	2.31782547	7.91820709	0.60254912	1.05151743	0.54340237	0.06697182	
Int SD	89.28820000	155.49300000	33.87260000	40.05640000	821.53200000	3.15089000	
RelInt Mean	0.04770700	0.02417760	0.00135137	0.00006153	0.11525600	0.00000663	
RelInt RSD	2.84291613	6.76849646	2.72046886	33.61039417	1.31249566	230.36180586	
RelInt SD	0.00135627	0.00163646	0.00003676	0.00002068	0.00151273	0.00001526	

Sample Name: ICAL,L5,S17997

Sample Type: Calibration Sample

Measure Date: 2023-05-11 10:35:25

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	31935.4000000	1660.13000000	107835	418430	1644110	46818.5000000	481176
Int RSD	1.45063159	3.03335883	0.80757824	0.26733026	0.09050793	0.89078463	0.34769190
Int SD	463.26500000	50.35770000	870.85200000	1118.59000000	1488.05000000	417.05200000	1673.01000000
RelInt Mean	0.00000951	0.01873720	0.08280790	0.32797100	1.29773000	0.60011300	0.37699200
RelInt RSD	67.80086566	3.66560105	0.45312585	0.51693595	0.72811910	0.51776415	0.37837938
RelInt SD	0.00000645	0.00068683	0.00037522	0.00169540	0.00944902	0.00310717	0.00142646
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	758167	3854440	2843060	362.54600000	9820.29000000	6885520	742371
Int RSD	0.22548990	0.34929847	0.07609161	17.27251163	0.45175652	0.06628374	0.22549776
Int SD	1709.59000000	13463.50000000	2163.33000000	62.62080000	44.36380000	4563.98000000	1674.03000000
RelInt Mean	0.59624400	0.13178700	2.24672000	0.00504784	0.12548500	5.44753000	0.58486400
RelInt RSD	0.50805543	0.87151236	0.66785358	23.24677486	0.44138981	0.70069004	0.50507297
RelInt SD	0.00302925	0.00114854	0.01500480	0.00117346	0.00055388	0.03817030	0.00295399
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	100546	639814	170987	382800	287332	270919	1225710
Int RSD	1.18889861	0.27735561	0.24412675	0.25624347	0.35466986	0.52360669	0.63479371
Int SD	1195.39000000	1774.56000000	417.42500000	980.90000000	1019.08000000	1418.55000000	7780.73000000
RelInt Mean	1.28709000	0.50227400	0.13111300	0.29978700	0.22511600	0.21205100	15.71840000
RelInt RSD	0.71484123	0.45917368	0.66167199	0.52710424	0.47818902	0.24994459	0.62866768
RelInt SD	0.00920065	0.00230631	0.00086754	0.00158019	0.00107648	0.00053001	0.09881650
	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	12517300	253430	302803	1269060	28995900	77932.0000000	3894250
Int RSD	0.58293322	0.18212130	0.37008880	0.72516587	0.72272632	0.52592388	0.13209681
Int SD	72967.5000000	461.55000000	1120.64000000	9202.79000000	209561	409.86300000	5144.18000000
RelInt Mean	0.43056400	0.19790000	0.01020680	---	---	---	3.08017000
RelInt RSD	0.52168783	0.65062658	0.28306325	---	---	---	0.82799651
RelInt SD	0.00224620	0.00128759	0.00002889	---	---	---	0.02550370
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	27974.0000000	17890.3000000	10740.0000000	5151.69000000	785102	5591.48000000	
Int RSD	1.39327232	0.91254479	0.46337151	2.57234034	0.26595780	0.64316782	
Int SD	389.75400000	163.25700000	49.76610000	132.51900000	2088.04000000	35.96260000	
RelInt Mean	0.35845400	0.22851700	0.00503225	0.00080968	0.61699800	0.00040804	
RelInt RSD	1.14007097	0.17896830	0.59430275	12.79239802	0.45931267	9.44400331	
RelInt SD	0.00408663	0.00040897	0.00002991	0.00010358	0.00283395	0.00003854	

Sample Name: ICAL,L6,S17996

Sample Type: Calibration Sample

Measure Date: 2023-05-11 10:38:42

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	34502.1000000	5053.33000000	207450	852724	3297440	95895.4000000	957126
Int RSD	0.20264100	1.24399159	0.29057797	0.16208175	0.32886421	0.24980239	0.12911362
Int SD	69.91540000	62.86300000	602.80400000	1382.11000000	10844.1000000	239.54900000	1235.78000000
RelInt Mean	-0.00001462	0.06225240	0.16397700	0.68262800	2.64978000	1.23008000	0.76574800
RelInt RSD	58.28842076	2.27639416	0.22407350	0.48499476	0.19110115	0.36709970	0.39699483
RelInt SD	0.00000852	0.00141711	0.00036743	0.00331071	0.00506376	0.00451562	0.00303998

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1404230	7657230	5530790	2914.30000000	21702.9000000	13549200	1403060
Int RSD	0.35574799	0.38456074	0.38690314	3.69018289	0.91430178	0.25899241	0.33786937
Int SD	4995.52000000	29446.7000000	21398.8000000	107.54300000	198.43000000	35091.4000000	4740.51000000
RelInt Mean	1.12495000	0.27157000	4.44726000	0.03787880	0.27843200	10.90210000	1.12586000
RelInt RSD	0.27661318	0.55679567	0.13827660	2.25875160	0.82997644	0.29087240	0.24655552
RelInt SD	0.00311176	0.00151209	0.00614952	0.00085559	0.00231092	0.03171120	0.00277587

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	193702	1210140	334786	776864	565159	536725	2407940
Int RSD	1.35093081	0.30478953	0.17781717	0.14441009	0.14897383	0.17316671	0.42131864
Int SD	2616.78000000	3688.38000000	595.30700000	1121.87000000	841.93900000	929.42900000	10145.1000000
RelInt Mean	2.48152000	0.96890300	0.26439200	0.62118900	0.45220300	0.42927400	30.89250000
RelInt RSD	0.99869838	0.31410471	0.36325570	0.49606641	0.60314726	0.35393478	0.60436676
RelInt SD	0.02478290	0.00304337	0.00096042	0.00308151	0.00272745	0.00151935	0.18670400

	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	24966300	496305	600796	1248870	28051700	77867.0000000	7723450
Int RSD	0.41221567	0.01406147	0.15355012	0.51730044	0.37640856	0.45454172	0.15431187
Int SD	102915	69.78780000	922.52300000	6460.41000000	105589	353.93800000	11918.2000000
RelInt Mean	0.88895000	0.39597000	0.02114200	---	---	---	6.21270000
RelInt RSD	0.28258057	0.54641008	0.31019062	---	---	---	0.39549793
RelInt SD	0.00251200	0.00216362	0.00006558	---	---	---	0.02457110

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	58570.0000000	38849.5000000	15776.5000000	6855.35000000	1498320	6593.67000000	
Int RSD	0.33770872	0.74390147	0.43306880	1.41241658	0.44139770	0.29118837	
Int SD	197.79600000	289.00200000	68.32310000	96.82610000	6613.55000000	19.20000000	
RelInt Mean	0.75105900	0.49761000	0.00875117	0.00181864	1.20028000	0.00084323	
RelInt RSD	0.21598037	0.55221559	0.41234715	3.56267870	0.12207402	3.47303870	
RelInt SD	0.00162214	0.00274788	0.00003609	0.00006479	0.00146523	0.00002929	

Sample Name: ICAL,L7,S18321

Sample Type: Calibration Sample

Measure Date: 2023-05-11 10:41:58

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1243220	276.45400000	2605.65000000	6783.22000000	4471.44000000	48.96940000	4006.09000000
Int RSD	0.54986326	2.96992266	0.85115806	6.48357270	1.44258673	83.54237544	0.55658510
Int SD	6836.01000000	8.21047000	22.17820000	439.79500000	64.50440000	40.91020000	22.29730000
RelInt Mean	0.03962730	0.00316569	-0.00001141	0.00258435	0.00019245	0.00084734	0.00002654
RelInt RSD	1.41145877	14.69417410	174.94805320	12.05823515	18.52103967	108.21543553	46.40399025
RelInt SD	0.00055932	0.00046517	0.00001995	0.00031163	0.00003564	0.00091696	0.00001232

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3402.32000000	30888.80000000	6543.43000000	-108.40300000	-122.63600000	5160.70000000	5437.55000000
Int RSD	1.08721108	0.98979565	7.71072664	90.09363210	52.84182459	2.12591315	15.29541797
Int SD	36.99040000	305.73600000	504.54600000	97.66420000	64.80310000	109.71200000	831.69600000
RelInt Mean	0.00001233	0.00019140	0.00153515	-0.00023873	-0.00206005	0.00058575	0.00209252
RelInt RSD	77.49947275	6.44487636	24.29404293	431.72498146	40.42183442	13.36133148	29.59011144
RelInt SD	0.00000955	0.00001234	0.00037295	0.00103067	0.00083271	0.00007826	0.00061918

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	420.40100000	4176.96000000	4468.65000000	5514.53000000	2755.31000000	2631.84000000	-133.68900000
Int RSD	3.33374564	0.42671704	0.95713023	15.34983036	3.66670175	3.66130160	26.98239945
Int SD	14.01510000	17.82380000	42.77080000	846.47100000	101.02900000	96.35960000	36.07250000
RelInt Mean	0.00258923	-0.00004984	0.00003790	0.00186366	0.00028340	0.00019752	-0.00197094
RelInt RSD	10.48651530	38.35230578	46.93914163	34.29987229	27.80144672	31.62013012	27.61185018
RelInt SD	0.00027152	0.00001912	0.00001779	0.00063923	0.00007879	0.00006245	0.00054421

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	53555.40000000	2744.38000000	6808.24000000	1297360	30654400	84079.20000000	4657.89000000
Int RSD	12.22435086	7.17203886	0.44286335	0.55984230	0.82700363	6.90418082	5.51565194
Int SD	6546.80000000	196.82800000	30.15120000	7263.17000000	253513	5804.98000000	256.91300000
RelInt Mean	0.00069855	0.00024355	0.00003907	---	---	---	0.00133070
RelInt RSD	31.20927290	56.07587920	0.40512316	---	---	---	13.45036447
RelInt SD	0.00021801	0.00013657	0.00000016	---	---	---	0.00017898

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-132.91200000	-37.08610000	4709.52000000	3402.21000000	4449.63000000	4380.13000000	
Int RSD	31.93315878	204.15222954	0.56904313	1.74888969	1.61202392	0.47195859	
Int SD	42.44300000	75.71210000	26.79920000	59.50090000	71.72910000	20.67240000	
RelInt Mean	-0.00164808	-0.00094955	0.00078401	-0.00007958	0.00030868	-0.00011123	
RelInt RSD	49.25373768	86.26799277	3.21239935	70.80917592	12.47287653	21.82160646	
RelInt SD	0.00081174	0.00081916	0.00002519	0.00005635	0.00003850	0.00002427	

Sample Name: ICAL,L8,S17995

Sample Type: Calibration Sample

Measure Date: 2023-05-11 10:45:15

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28589.4000000	277.1000000	2549.1200000	5291.7100000	4364.2500000	88.4948000	3983.0600000
Int RSD	0.99287498	32.63161314	1.66060837	1.69169323	1.09882798	161.37332363	1.54497547
Int SD	283.85700000	90.42220000	42.33090000	89.51950000	47.95560000	142.80700000	61.53730000
RelInt Mean	0.00003332	0.00267579	-0.00003654	0.00143652	0.00008287	0.00126309	0.00001444
RelInt RSD	10.99269727	36.17697951	78.34411986	4.81760087	13.94191552	126.25782802	269.25528230
RelInt SD	0.00000366	0.00096802	0.00002863	0.00006921	0.00001155	0.00159475	0.00003887
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3347.27000000	30117.0000000	5442.25000000	-22.86190000	-135.45600000	4795.54000000	3470.06000000
Int RSD	1.01276563	0.70721519	1.46696311	321.31668846	6.25463619	1.34777522	5.33175219
Int SD	33.90000000	212.99200000	79.83580000	73.45910000	8.47228000	64.63310000	185.01500000
RelInt Mean	-0.00001219	0.00018017	0.00070384	0.00004603	-0.00134712	0.00028365	0.00058082
RelInt RSD	177.74059127	0.75563770	12.11344908	1158.39609669	39.84641309	9.34761609	25.79077855
RelInt SD	0.00002167	0.00000136	0.00008526	0.00053324	0.00053678	0.00002651	0.00014980
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	242.89300000	4165.24000000	4404.11000000	3941.38000000	2463.26000000	2517.66000000	-173.92000000
Int RSD	4.63096919	1.16118639	0.77738067	4.65902806	1.77714898	0.21513509	12.22096366
Int SD	11.24830000	48.36620000	34.23670000	183.63000000	43.77580000	5.41637000	21.25470000
RelInt Mean	0.00081794	-0.00004623	-0.00001450	0.00065066	0.00007215	0.00011680	-0.00294081
RelInt RSD	25.09059300	38.30182558	76.62283031	21.50151922	22.13789653	20.30454810	16.26963320
RelInt SD	0.00020523	0.00001771	0.00001111	0.00013990	0.00001597	0.00002371	0.00047846
	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	41593.3000000	2412.35000000	6635.32000000	1312910	31045800	81676.9000000	3707.71000000
Int RSD	8.62057110	1.12273095	1.66760608	0.71118051	0.79224565	1.30000037	0.35473648
Int SD	3585.58000000	27.08420000	110.65100000	9337.16000000	245959	1061.80000000	13.15260000
RelInt Mean	0.00032761	-0.00001007	0.00003432	---	---	---	0.00059720
RelInt RSD	32.83660905	59.52860716	3.26831471	---	---	---	7.02766242
RelInt SD	0.00010758	0.00000600	0.00000112	---	---	---	0.00004197
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-77.27720000	-2.75297000	772287	455006	4259.17000000	200159	
Int RSD	23.38205836	2110.42256182	0.01958883	0.17050940	0.71522151	0.26313281	
Int SD	18.06900000	58.09930000	151.28200000	775.82800000	30.46250000	526.68400000	
RelInt Mean	-0.00156567	-0.00065990	0.58707100	0.34509700	0.00019527	0.14948500	
RelInt RSD	28.37315654	127.66791231	0.73483105	0.80535907	9.44988708	0.80305047	
RelInt SD	0.00044423	0.00084248	0.00431398	0.00277927	0.00001845	0.00120044	

Sample Name: ICV,S18304				Sample Type: Control Sample			
Measure Date: 2023-05-11 10:51:07			Recalculation Date:		State: Check failed		Quality: Failed Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	307334	474.21700000	23976.1000000	92408.7000000	352711	50226.9000000	199900
Int RSD	0.46856189	12.30415611	0.71716418	0.35441901	0.26452790	1.07854158	0.07910655
Int SD	1440.05000000	58.34840000	171.94800000	327.51400000	933.01900000	541.71800000	158.13400000
RelInt Mean	0.00959167	0.00372419	0.01710660	0.07169790	0.28169000	0.64056300	0.15812300
RelInt RSD	0.50007246	25.17873685	0.96484982	0.16214701	0.23218183	0.39807638	0.24965944
RelInt SD	0.00004797	0.00093770	0.00016505	0.00011626	0.00065403	0.00254993	0.00039477
Conc Mean	0.48306900[mg/l]	<-0.08953980[mg/l]	1.04349000[mg/l]	1.05198000[mg/l]	1.06341000[mg/l]	52.33130000[mg/l]	1.03379000[mg/l]
Conc RSD	0.50150186	380.17954027	0.96188751	0.16288428	0.23215787	0.39922379	0.24946653
Conc SD	0.00242260[mg/l]	0.34041200[mg/l]	0.01003720[mg/l]	0.00171351[mg/l]	0.00246879[mg/l]	0.20891900[mg/l]	0.00257896[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	149840	811605	301769	12.84340000	11124.2000000	1433090	146703
Int RSD	0.20446877	0.28757832	0.21938370	719.80083156	2.30069578	1.04977357	0.16849417
Int SD	306.37600000	2334.00000000	662.03200000	92.44690000	255.93400000	15044.2000000	247.18600000
RelInt Mean	0.11795500	0.02702870	0.24019300	0.00062386	0.14110300	1.15568000	0.11627000
RelInt RSD	0.47724302	0.33807693	0.18290042	156.11383250	1.11448375	1.16717430	0.28874000
RelInt SD	0.00056293	0.00009138	0.00043931	0.00097394	0.00157257	0.01348880	0.00033572
Conc Mean	1.03573000[mg/l]	0.99554200[mg/l]	1.07468000[mg/l]	8.26705000[mg/l]	52.02200000[mg/l]	1.05978000[mg/l]	1.02399000[mg/l]
Conc RSD	0.47745455	0.34043868	0.18334667	63.93405145	1.09793357	1.16719508	0.28919423
Conc SD	0.00494514[mg/l]	0.00338921[mg/l]	0.00197039[mg/l]	5.28546000[mg/l]	0.57116700[mg/l]	0.01236970[mg/l]	0.00296132[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	53544.5000000	130257	39443.2000000	29512.0000000	23044.8000000	275616	53965.5000000
Int RSD	1.44642867	0.13362660	0.54594455	0.48133979	0.40622483	0.11051608	1.47424002
Int SD	774.48300000	174.05800000	215.33800000	142.05300000	93.61370000	304.60000000	795.58100000
RelInt Mean	0.68018600	0.10159000	0.02809050	0.02117840	0.01656880	0.22095700	0.68720800
RelInt RSD	0.21401940	0.23129540	0.53161745	0.32381625	0.78572377	0.38139050	0.38854612
RelInt SD	0.00145573	0.00023497	0.00014933	0.00006858	0.00013019	0.00084271	0.00267012
Conc Mean	54.39390000[mg/l]	1.04107000[mg/l]	1.06481000[mg/l]	1.01911000[mg/l]	1.10094000[mg/l]	5.15949000[mg/l]	1.11269000[mg/l]
Conc RSD	0.21406996	0.23104018	0.53099144	0.32973477	0.78505641	0.38121210	0.38684899
Conc SD	0.11644100[mg/l]	0.00240529[mg/l]	0.00565405[mg/l]	0.00336036[mg/l]	0.00864300[mg/l]	0.01966860[mg/l]	0.00430443[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	2677670	20364.0000000	127914	1241360	29045600	78369.3000000	270619
Int RSD	0.46256634	0.06782607	0.25356724	0.31707482	0.21447035	1.28138187	0.33657799
Int SD	12386.0000000	13.81210000	324.34800000	3936.04000000	62294.2000000	1004.21000000	910.84400000
RelInt Mean	0.09107550	0.01429940	0.00419252	---	---	---	0.21637900
RelInt RSD	0.25553195	0.25282529	0.33683083	---	---	---	0.24326714
RelInt SD	0.00023273	0.00003615	0.00001412	---	---	---	0.00052638
Conc Mean	1.03112000[mg/l]	1.08275000[mg/l]	0.99187700[mg/l]	1235690	28994000	78395.8000000	1.04458000[mg/l]
Conc RSD	0.25579661	0.25186146	0.33971047	---	---	---	0.24373241
Conc SD	0.00263757[mg/l]	0.00272703[mg/l]	0.00336951[mg/l]	3956.99000000	62698.1000000	973.64900000	0.00254598[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	18741.8000000	2279.81000000	385467	231100	315576	106859	
Int RSD	2.01503591	9.32279444	0.39557472	0.44909996	0.37142241	0.26664015	
Int SD	377.65400000	212.54200000	1524.81000000	1037.87000000	1172.12000000	284.92900000	
RelInt Mean	0.23830300	0.02833420	0.30833800	0.18393800	0.25162000	0.08255120	
RelInt RSD	1.08521924	6.72357081	0.30630672	0.26135165	0.38512996	0.58598785	
RelInt SD	0.00258611	0.00190507	0.00094446	0.00048073	0.00096906	0.00048374	
Conc Mean	0.96613400[mg/l]	0.59044500[mg/l]	5.22522000[mg/l]	5.33086000[mg/l]	1.03835000[mg/l]	5.52524000[mg/l]	
Conc RSD	1.07779045	6.58814962	0.30737270	0.26144937	0.38315501	0.58534471	
Conc SD	0.01041290[mg/l]	0.03889940[mg/l]	0.01606090[mg/l]	0.01393750[mg/l]	0.00397849[mg/l]	0.03234170[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258012	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 10:57
Caldate: 11-MAY-2023	

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	[0.001838]	0.003333	---	mg/l	!!CB

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	30187000	-2.46
Yttrium	A	1307730	1256370	-3.93
Yttrium	R	80618	80000	-0.77

!=warning ICB=instrument blank

Sample Name: ICB,1				Sample Type: Control Sample			
Measure Date: 2023-05-11 10:57:39			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	27717.8000000	245.0600000	2464.8100000	4135.9700000	4138.8600000	41.0427000	3803.7300000
Int RSD	0.50443758	24.37105199	1.61294785	0.93936126	0.68431404	192.42155121	0.91218357
Int SD	139.81900000	59.72370000	39.75610000	38.85170000	28.32280000	78.97500000	34.69700000
RelInt Mean	0.00003369	0.00294450	-0.00004277	0.00067822	0.00006805	0.00085521	-0.00000612
RelInt RSD	20.68161243	12.71299032	53.62211426	6.03216964	52.28173145	84.32710601	342.87597132
RelInt SD	0.00000697	0.00037433	0.00002293	0.00004091	0.00003558	0.00072117	0.00002097
Conc Mean	<0.00034939[mg/l]	<0.37258800[mg/l]	<0.00092199[mg/l]	0.00235026[mg/l]	<0.00001901[mg/l]	<0.08798210[mg/l]	<0.00001760[mg/l]
Conc RSD	100.71953977	36.47299430	151.34404637	25.72677066	712.68116895	67.16661685	779.65206127
Conc SD	0.00035190[mg/l]	0.13589400[mg/l]	0.00139538[mg/l]	0.00060465[mg/l]	0.00013547[mg/l]	0.05909460[mg/l]	0.00013722[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	3177.87000000	29154.4000000	4760.99000000	-143.70100000	-157.63800000	4434.65000000	2821.36000000
Int RSD	0.54796452	0.16562817	0.84404924	59.88684839	9.01762265	1.54860925	0.66572150
Int SD	17.41360000	48.28790000	40.18510000	86.05800000	14.21520000	68.67540000	18.78240000
RelInt Mean	-0.00004107	0.00018118	0.00030708	-0.00108125	-0.00208352	0.00016318	0.00016755
RelInt RSD	53.93521900	1.13674549	7.78676193	77.54552601	9.19117647	19.23838706	13.02316282
RelInt SD	0.00002215	0.00000206	0.00002391	0.00083846	0.00019150	0.00003139	0.00002182
Conc Mean	<0.00023640[mg/l]	<0.00001479[mg/l]	<0.00201469[mg/l]	<0.98639100[mg/l]	<0.01203410[mg/l]	<0.00007065[mg/l]	<0.00062249[mg/l]
Conc RSD	82.26226734	516.49138706	5.32697338	461.30185697	578.01497412	40.75401891	30.89800639
Conc SD	0.00019447[mg/l]	0.00007637[mg/l]	0.00010732[mg/l]	4.55024000[mg/l]	0.06955890[mg/l]	0.00002879[mg/l]	0.00019234[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	589.71800000	3991.06000000	4276.54000000	3189.44000000	2252.20000000	2334.01000000	-103.80100000
Int RSD	9.52963959	0.56289307	0.42187843	1.02719600	0.32333452	2.47651895	22.13918941
Int SD	56.19800000	22.46540000	18.04180000	32.76180000	7.28214000	57.80220000	22.98070000
RelInt Mean	0.00581087	-0.00006872	0.00002137	0.00017145	-0.00002657	0.00004047	-0.00199976
RelInt RSD	14.70755670	5.49521938	58.99030162	12.16432492	41.66534914	107.66843501	15.10151218
RelInt SD	0.00085464	0.00000378	0.00001261	0.00002086	0.00001107	0.00004357	0.00030199
Conc Mean	0.44861700[mg/l]	<0.00014611[mg/l]	<0.00183801[mg/l]	0.00350593[mg/l]	<0.00075053[mg/l]	<0.00107277[mg/l]	0.00159385[mg/l]
Conc RSD	15.23899005	26.47032654	26.28266440	28.95665344	97.90069471	94.84512058	30.54591084
Conc SD	0.06836470[mg/l]	0.00003868[mg/l]	0.00048308[mg/l]	0.00101520[mg/l]	0.00073478[mg/l]	0.00101747[mg/l]	0.00048686[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	31419.4000000	2278.56000000	6504.59000000	1256370	30187000	79999.9000000	3015.13000000
Int RSD	1.32405138	0.16762034	0.20166529	0.48532996	0.71906781	0.16340770	0.60040861
Int SD	416.00900000	3.81933000	13.11750000	6097.54000000	217065	130.72600000	18.10310000
RelInt Mean	0.00002461	-0.00003704	0.00004009	---	---	---	0.00016654
RelInt RSD	47.81119333	34.77195114	9.05571049	---	---	---	6.16210017
RelInt SD	0.00001177	0.00001288	0.00000363	---	---	---	0.00001026
Conc Mean	<0.00027862[mg/l]	<0.00215520[mg/l]	<0.00134600[mg/l]	1251110	30137300	80086.1000000	<0.00024398[mg/l]
Conc RSD	47.81132455	45.29482183	64.36679049	---	---	---	20.30601496
Conc SD	0.00013321[mg/l]	0.00097619[mg/l]	0.00086638[mg/l]	6127.70000000	216502	119.60100000	0.00004954[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-120.72500000	-29.92700000	3950.70000000	3372.04000000	4060.47000000	4276.41000000	
Int RSD	52.36545869	119.50011695	1.18357000	2.57044104	0.45235158	1.20402861	
Int SD	63.21820000	35.76280000	46.75930000	86.67630000	18.36760000	51.48920000	
RelInt Mean	-0.00199696	-0.00053517	0.00033787	-0.00003434	0.00014311	-0.00010936	
RelInt RSD	12.00189288	97.30589273	13.62963708	172.55374238	3.82252238	35.09249691	
RelInt SD	0.00023967	0.00052075	0.00004605	0.00005925	0.00000547	0.00003838	
Conc Mean	<0.00137501[mg/l]	<0.00095810[mg/l]	<0.00240471[mg/l]	<0.00076503[mg/l]	<0.00004350[mg/l]	<0.00090822[mg/l]	
Conc RSD	70.18014414	1109.83543420	32.76860827	224.36940629	57.07063857	282.48204999	
Conc SD	0.00096498[mg/l]	0.01063330[mg/l]	0.00078799[mg/l]	0.00171650[mg/l]	0.00002483[mg/l]	0.00256555[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258014	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 11:04
Caldate: 11-MAY-2023	

Standards: S18281, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9801	mg/l	-2	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	26388500	-14.73
Yttrium	A	1307730	1199180	-8.30
Yttrium	R	80618	74898	-7.10

Sample Name: ICSAB,S18281				Sample Type: Control Sample			
Measure Date: 2023-05-11 11:04:09			Recalculation Date:		State: Check failed		Quality: Failed Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	558204	109101	7651.01000000	6272.19000000	158520	350446	90748.2000000
Int RSD	0.18793309	0.13961100	0.50794340	0.73158339	0.07270061	1.15315912	0.25277747
Int SD	1049.05000000	152.31700000	38.86280000	45.88630000	115.24500000	4041.20000000	229.39100000
RelInt Mean	0.02005280	1.44603000	-0.00008490	0.00073802	0.12818400	4.67545000	0.07174870
RelInt RSD	0.07442651	0.67942989	85.94558876	2.33502435	0.21162470	0.89634367	0.17370210
RelInt SD	0.00001492	0.00982476	0.00007297	0.00001723	0.00027127	0.04190810	0.00012463
Conc Mean	1.01140000[mg/l]	>523.50900000[mg/l]	<-0.00208727[mg/l]	0.00323409[mg/l]	0.48545900[mg/l]	>382.96100000[mg/l]	0.46992100[mg/l]
Conc RSD	0.07481086	0.68107903	212.74727275	7.87510552	0.21117952	0.89669444	0.17371345
Conc SD	0.00075664[mg/l]	3.56551000[mg/l]	0.00444061[mg/l]	0.00025469[mg/l]	0.00102519[mg/l]	3.43399000[mg/l]	0.00081632[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	73751.2000000	415674	36682900	-94.08470000	88683.9000000	641015	11047.5000000
Int RSD	0.48046676	0.12134630	0.27376516	31.46749684	0.66383639	0.26873630	0.40113691
Int SD	354.35000000	504.40500000	100425	29.60610000	588.71600000	1722.64000000	44.31560000
RelInt Mean	0.05746150	0.01472740	30.76470000	-0.00060676	1.18235000	0.53143200	0.00022834
RelInt RSD	0.48734022	0.24929859	0.12629312	59.96318143	0.03731323	0.05351371	39.28290517
RelInt SD	0.00028003	0.00003672	0.03885370	0.00036383	0.00044117	0.00028439	0.00008970
Conc Mean	0.50461500[mg/l]	0.53938600[mg/l]	>138.08000000[mg/l]	1.58859000[mg/l]	>430.23800000[mg/l]	0.48721600[mg/l]	<0.00115827[mg/l]
Conc RSD	0.48716150	0.25253158	0.12611385	124.29072322	0.03708854	0.05355530	68.25938684
Conc SD	0.00245829[mg/l]	0.00136212[mg/l]	0.17413800[mg/l]	1.97447000[mg/l]	0.15956900[mg/l]	0.00026093[mg/l]	0.00079063[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	177.37700000	116035	41331.0000000	12786.3000000	9200.71000000	7563.20000000	-140.44500000
Int RSD	56.47293618	0.69962167	0.20992451	0.54845108	0.99518189	0.77591363	49.92765851
Int SD	100.17000000	811.80600000	86.76390000	70.12660000	91.56380000	58.68390000	70.12090000
RelInt Mean	0.00050495	0.09277440	0.02667630	0.00026563	0.00039606	-0.00002224	-0.00282616
RelInt RSD	203.01533611	0.75794077	0.40749279	25.08615270	17.49819471	188.03059463	13.13630509
RelInt SD	0.00102513	0.00070318	0.00010870	0.00006664	0.00006930	0.00004182	0.00037125
Conc Mean	<0.02418070[mg/l]	0.95078000[mg/l]	0.98007200[mg/l]	<0.00512485[mg/l]	0.02730560[mg/l]	<0.00039152[mg/l]	<0.00026158[mg/l]
Conc RSD	339.12748597	0.75758220	0.40983826	62.96359893	16.84914450	249.39326061	228.80730648
Conc SD	0.08200340[mg/l]	0.00720294[mg/l]	0.00401671[mg/l]	0.00322679[mg/l]	0.00460076[mg/l]	0.00097642[mg/l]	0.00059851[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	37406.6000000	7885.60000000	64307.9000000	1199180	26388500	74897.9000000	230722
Int RSD	0.65902007	0.23220681	0.30291302	0.28323521	0.09532486	0.74075241	0.17191555
Int SD	246.51700000	18.31090000	194.79700000	3396.50000000	25154.8000000	554.80800000	396.64700000
RelInt Mean	0.00012362	-0.00003048	0.00212528	---	---	---	0.18358200
RelInt RSD	5.98708096	48.71360800	0.27532513	---	---	---	0.32142966
RelInt SD	0.00000740	0.00001485	0.00000585	---	---	---	0.00059009
Conc Mean	0.00139953[mg/l]	<0.00264797[mg/l]	0.49895400[mg/l]	1192070	26328600	74941.3000000	0.88628500[mg/l]
Conc RSD	5.98718141	42.45591906	0.27979934	---	---	---	0.32171254
Conc SD	0.00008379[mg/l]	0.00112422[mg/l]	0.00139607[mg/l]	3377.07000000	25380.4000000	537.27100000	0.00285129[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	7643.03000000	-52.08810000	6567.12000000	6766.38000000	290156	10033.6000000	
Int RSD	3.63900181	100.29872466	2.50176638	2.94457302	0.48840279	0.51204553	
Int SD	278.13000000	52.24370000	164.29400000	199.24100000	1417.13000000	51.37660000	
RelInt Mean	0.10152700	-0.00149149	0.00078489	0.00016360	0.23824000	0.00122880	
RelInt RSD	3.07708294	57.71537188	24.10003427	79.58667229	0.26416723	3.57657064	
RelInt SD	0.00312407	0.00086082	0.00018916	0.00013020	0.00062935	0.00004395	
Conc Mean	0.41543800[mg/l]	<0.01856920[mg/l]	0.00520379[mg/l]	<0.00649963[mg/l]	0.98670400[mg/l]	0.08855250[mg/l]	
Conc RSD	3.02808121	94.65782048	62.30785639	58.03868836	0.26597845	3.31776065	
Conc SD	0.01257980[mg/l]	0.01757720[mg/l]	0.00324237[mg/l]	0.00377230[mg/l]	0.00262442[mg/l]	0.00293796[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 484907 METALS Wipe
EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483189258015	Caldate: 11-MAY-2023	Time: 11-MAY-2023 11:08
Cal: 483189258001		

Standards: S18280, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.01750	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	137.1	mg/l	86	
Magnesium	R	400.0	427.8	mg/l	107	calc

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	26596200	-14.06
Yttrium	A	1307730	1201980	-8.09
Yttrium	R	80618	75410	-6.46

+ = high bias a = ICSA calc = check quantitation

Sample Name: ICSA,S18280				Sample Type: Control Sample			
Measure Date: 2023-05-11 11:08:36			Recalculation Date:		State: Check failed		Quality: Failed Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28674.3000000	109005	7561.81000000	6110.27000000	6767.31000000	351525	5226.26000000
Int RSD	0.20207224	0.61819366	0.75036665	0.35586480	0.58598320	0.57946092	0.39902339
Int SD	57.94280000	673.86200000	56.74130000	21.74430000	39.65530000	2036.95000000	20.85400000
RelInt Mean	0.00001464	1.43488000	-0.00014093	0.00065455	0.00105564	4.65805000	0.00017980
RelInt RSD	6.69256404	1.28761987	37.03932337	4.14355162	1.61987988	1.12319103	6.58698421
RelInt SD	0.00000098	0.01847580	0.00005220	0.00002712	0.00001710	0.05231880	0.00001184
Conc Mean	<0.00061257[mg/l]	>519.46300000[mg/l]	<-0.00504769[mg/l]	0.00200050[mg/l]	0.00371820[mg/l]	>381.53400000[mg/l]	0.00123208[mg/l]
Conc RSD	8.07998146	1.29132007	62.92264382	20.03724069	1.76175569	1.12347523	6.28832543
Conc SD	0.00004950[mg/l]	6.70793000[mg/l]	0.00317614[mg/l]	0.00040084[mg/l]	0.00006551[mg/l]	4.28644000[mg/l]	0.00007748[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	4492.20000000	32995.5000000	36516200	-84.29030000	88869.4000000	11724.3000000	11021.2000000
Int RSD	1.72697119	0.47324635	0.17395485	46.66503738	0.60977457	1.39584453	1.24935579
Int SD	77.57900000	156.15000000	63521.7000000	39.33410000	541.90300000	163.65300000	137.69400000
RelInt Mean	-0.00046549	0.00024372	30.55000000	-0.00059543	1.17560000	0.00364486	0.00032708
RelInt RSD	5.48924369	3.96810711	0.19350180	70.05359179	0.29349439	4.01444774	6.60936162
RelInt SD	0.00002555	0.00000967	0.05911480	0.00041712	0.00345032	0.00014632	0.00002162
Conc Mean	<-0.00396271[mg/l]	0.00230455[mg/l]	>137.11600000[mg/l]	<1.65009000[mg/l]	>427.78400000[mg/l]	0.00312278[mg/l]	0.00202861[mg/l]
Conc RSD	5.66112585	15.56138943	0.19347633	137.18403239	0.29315496	4.29764505	9.39288478
Conc SD	0.00022433[mg/l]	0.00035862[mg/l]	0.26528700[mg/l]	2.26366000[mg/l]	1.25407000[mg/l]	0.00013421[mg/l]	0.00019055[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	71.25300000	5264.99000000	10699.8000000	12576.0000000	9067.66000000	7616.07000000	-128.02200000
Int RSD	49.54907162	0.75850856	0.96562553	1.66720738	0.71073243	0.38366638	99.35323616
Int SD	35.30520000	39.93540000	103.32000000	209.66800000	64.44680000	29.22030000	127.19400000
RelInt Mean	-0.00085757	0.00001997	0.00125260	0.00023566	0.00030131	0.00007463	-0.00297590
RelInt RSD	121.34957764	243.14215338	7.21315663	72.59842653	26.82843858	6.69067004	22.18804395
RelInt SD	0.00104066	0.00004857	0.00009035	0.00017108	0.00008084	0.00000499	0.00066029
Conc Mean	<-0.08481220[mg/l]	<0.00076227[mg/l]	0.01750390[mg/l]	<0.00665046[mg/l]	0.02101560[mg/l]	0.00187035[mg/l]	<0.00002018[mg/l]
Conc RSD	98.15250636	65.25566922	17.51329704	125.11736030	25.53536421	6.23359264	5275.70723391
Conc SD	0.08324530[mg/l]	0.00049743[mg/l]	0.00306551[mg/l]	0.00832088[mg/l]	0.00536641[mg/l]	0.00011659[mg/l]	0.00106449[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	38512.0000000	7772.65000000	9061.75000000	1201980	26596200	75410.4000000	12705.9000000
Int RSD	3.43093062	0.76650306	1.97138522	0.15769730	0.34478610	0.82840165	0.08914835
Int SD	1321.32000000	59.57760000	178.64200000	1895.49000000	91700.0000000	624.70100000	11.32710000
RelInt Mean	0.00017975	-0.00004690	0.00003346	---	---	---	0.00087076
RelInt RSD	28.73351878	109.26534398	7.70089799	---	---	---	12.49239172
RelInt SD	0.00005165	0.00005124	0.00000258	---	---	---	0.00010878
Conc Mean	0.00203505[mg/l]	<0.00140039[mg/l]	<-0.00023574[mg/l]	1195000	26536800	75468.8000000	0.00316270[mg/l]
Conc RSD	28.73334807	277.11137612	260.84490672	---	---	---	16.62639517
Conc SD	0.00058474[mg/l]	0.00388064[mg/l]	0.00061492[mg/l]	1848.93000000	91464.5000000	619.26500000	0.00052584[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-85.35880000	-12.86220000	6410.49000000	6684.90000000	5372.46000000	10312.7000000	
Int RSD	79.30219263	1087.06908616	0.61922724	1.73520920	0.53453167	0.54293929	
Int SD	67.69140000	139.82100000	39.69550000	115.99700000	28.71750000	55.99170000	
RelInt Mean	-0.00150210	-0.00059488	0.00066352	0.00010322	-0.00028354	0.00148625	
RelInt RSD	61.59816257	189.78217529	9.75256097	95.38962360	6.85719626	3.13953911	
RelInt SD	0.00092527	0.00112898	0.00006471	0.00009846	0.00001944	0.00004666	
Conc Mean	<0.00061742[mg/l]	<-0.00026121[mg/l]	0.00311507[mg/l]	<0.00475018[mg/l]	<-0.00170280[mg/l]	0.10576300[mg/l]	
Conc RSD	603.37567094	8825.28817478	35.55040497	60.05056650	5.39797980	2.94970831	
Conc SD	0.00372535[mg/l]	0.02305280[mg/l]	0.00110742[mg/l]	0.00285251[mg/l]	0.00009192[mg/l]	0.00311970[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258122	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 17:08
Caldate: 11-MAY-2023	

Standards: S18304, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0259	0.0281	1.000	1.066	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	30025400	-2.98
Yttrium	A	1307730	1259890	-3.66
Yttrium	R	80618	79590	-1.28

Sample Name: CCV,S18304				Sample Type: Control Sample			
Measure Date: 2023-05-11 17:08:09			Recalculation Date:		State: Check failed		Quality: Failed Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	315457	457.28000000	24089.3000000	92093.0000000	356725	48336.0000000	200523
Int RSD	0.14981059	4.80556770	0.29557438	0.09976654	0.30084799	0.34280453	0.48224892
Int SD	472.58800000	21.97490000	71.20180000	91.87800000	1073.20000000	165.69800000	967.02000000
RelInt Mean	0.00958386	0.00400435	0.01701570	0.07049710	0.28084200	0.60699100	0.15639900
RelInt RSD	0.11395617	13.62563213	0.62107936	0.22051687	0.42990009	0.37286550	0.43832250
RelInt SD	0.00001092	0.00054562	0.00010568	0.00015546	0.00120734	0.00226326	0.00068553
Conc Mean	0.48267500[mg/l]	<0.01216800[mg/l]	1.03797000[mg/l]	1.03423000[mg/l]	1.06020000[mg/l]	49.58030000[mg/l]	1.02252000[mg/l]
Conc RSD	0.11428746	1627.82708744	0.61956222	0.22211307	0.42859838	0.37400944	0.43865548
Conc SD	0.00055164[mg/l]	0.19807400[mg/l]	0.00643087[mg/l]	0.00229716[mg/l]	0.00454400[mg/l]	0.18543500[mg/l]	0.00448534[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	150793	825439	304887	-6.50377000	10778.5000000	1454700	148498
Int RSD	0.23636840	0.30869028	0.22660592	732.67504847	1.39814445	0.31245824	0.67883069
Int SD	356.42700000	2548.05000000	690.89200000	47.65150000	150.69900000	4545.33000000	1008.05000000
RelInt Mean	0.11706400	0.02663510	0.23922800	0.00068733	0.13486600	1.15585000	0.11604700
RelInt RSD	0.45715421	0.18611682	0.42311101	48.35267638	0.81437130	0.13077735	0.90360802
RelInt SD	0.00053516	0.00004957	0.00101220	0.00033234	0.00109831	0.00151159	0.00104861
Conc Mean	1.02790000[mg/l]	0.98094900[mg/l]	1.07035000[mg/l]	8.61146000[mg/l]	49.75640000[mg/l]	1.05994000[mg/l]	1.02202000[mg/l]
Conc RSD	0.45682070	0.18746438	0.42429953	20.94395143	0.80179032	0.13079325	0.90405472
Conc SD	0.00469566[mg/l]	0.00183893[mg/l]	0.00454149[mg/l]	1.80358000[mg/l]	0.39894200[mg/l]	0.00138633[mg/l]	0.00923962[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	51962.4000000	131005	39881.2000000	29447.2000000	22868.5000000	277877	53826.7000000
Int RSD	0.32558157	0.20890119	0.09534568	0.69858255	0.72440694	0.29104712	0.25892169
Int SD	169.18000000	273.67100000	38.02500000	205.71300000	165.66100000	808.75300000	139.36900000
RelInt Mean	0.65086300	0.10078800	0.02813010	0.02089400	0.01623480	0.21954800	0.67518400
RelInt RSD	0.41776073	0.33532067	0.41289224	1.00498229	0.50931271	0.26239547	0.44671675
RelInt SD	0.00271905	0.00033796	0.00011615	0.00020998	0.00008269	0.00057608	0.00301616
Conc Mean	52.04830000[mg/l]	1.03286000[mg/l]	1.06630000[mg/l]	1.00533000[mg/l]	1.07877000[mg/l]	5.12660000[mg/l]	1.09331000[mg/l]
Conc RSD	0.41794641	0.33458068	0.41134202	1.01499010	0.50877481	0.26218351	0.44466345
Conc SD	0.21753400[mg/l]	0.00345575[mg/l]	0.00438614[mg/l]	0.01020400[mg/l]	0.00548851[mg/l]	0.01344110[mg/l]	0.00486155[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	2753060	20305.3000000	130713	1259890	30025400	79590.0000000	271968
Int RSD	0.79920525	0.32905054	0.18730884	0.29774822	0.30194502	0.52783516	0.30838775
Int SD	22002.6000000	66.81470000	244.83700000	3751.30000000	90660.2000000	420.10400000	838.71600000
RelInt Mean	0.09065030	0.01410820	0.00415517	---	---	---	0.21430500
RelInt RSD	0.71336333	0.63582739	0.51063133	---	---	---	0.21297590
RelInt SD	0.00064667	0.00008970	0.00002122	---	---	---	0.00045642
Conc Mean	1.02630000[mg/l]	1.06829000[mg/l]	0.98296400[mg/l]	1254300	29974700	79609.8000000	1.03456000[mg/l]
Conc RSD	0.71319400	0.63600520	0.51491916	---	---	---	0.21347336
Conc SD	0.00731951[mg/l]	0.00679438[mg/l]	0.00506147[mg/l]	3762.93000000	91012.4000000	397.71000000	0.00220851[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	17507.9000000	2163.31000000	387691	230775	317450	107922	
Int RSD	0.57066296	4.31189242	0.47417660	0.29744600	0.29517908	0.36210689	
Int SD	99.91110000	93.27960000	1838.34000000	686.43100000	937.04600000	390.79300000	
RelInt Mean	0.21943400	0.02638590	0.30566000	0.18098700	0.24947200	0.08229040	
RelInt RSD	0.08176035	4.18659208	0.73887980	0.52525927	0.39540670	0.16390004	
RelInt SD	0.00017941	0.00110467	0.00225846	0.00095065	0.00098643	0.00013487	
Conc Mean	0.89016100[mg/l]	0.55066300[mg/l]	5.17962000[mg/l]	5.24538000[mg/l]	1.02947000[mg/l]	5.50781000[mg/l]	
Conc RSD	0.08099187	4.09617134	0.73926273	0.52497817	0.39545106	0.16371970	
Conc SD	0.00072096[mg/l]	0.02255610[mg/l]	0.03829100[mg/l]	0.02753710[mg/l]	0.00407105[mg/l]	0.00901737[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258123	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 17:11
Caldate: 11-MAY-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	30947500	31465800	1.67
Yttrium	A	1307730	1309430	0.13
Yttrium	R	80618	82071	1.80

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2023-05-11 17:11:24			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26926.6000000	311.27700000	2377.04000000	3785.92000000	4069.33000000	76.81590000	3719.50000000
Int RSD	0.35835234	19.07076334	1.09926631	0.83308152	0.87505314	88.51591923	0.91471434
Int SD	96.49210000	59.36290000	26.13000000	31.53980000	35.60880000	67.99430000	34.02280000
RelInt Mean	0.00003072	0.00266847	-0.00007334	0.00048918	0.00010268	0.00067641	0.00000432
RelInt RSD	15.32874113	37.26457483	46.00896971	8.96811412	16.25082778	77.96269138	503.82682017
RelInt SD	0.00000471	0.00099439	0.00003374	0.00004387	0.00001669	0.00052735	0.00002175
Conc Mean	<0.00019929[mg/l]	<0.47279400[mg/l]	<0.00093825[mg/l]	<0.00044355[mg/l]	<0.00010160[mg/l]	<0.10263300[mg/l]	<0.00008252[mg/l]
Conc RSD	119.33002494	76.35354933	218.83399947	146.17847247	62.96848549	42.10370933	171.29814765
Conc SD	0.00023781[mg/l]	0.36099500[mg/l]	0.00205321[mg/l]	0.00064838[mg/l]	0.00006398[mg/l]	0.04321230[mg/l]	0.00014136[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	3157.31000000	28729.0000000	5234.22000000	-135.14400000	-135.38300000	4491.91000000	3210.66000000
Int RSD	1.46709382	0.50046295	0.88853545	33.19799621	88.30650820	0.51386159	5.03208063
Int SD	46.32070000	143.77800000	46.50790000	44.86510000	119.55200000	23.08220000	161.56300000
RelInt Mean	0.00001490	0.00017727	0.00074015	-0.00052511	-0.00249167	0.00028339	0.00049669
RelInt RSD	135.82849666	1.96158489	8.54835790	22.34249401	38.45894521	15.66517638	25.55477706
RelInt SD	0.00002024	0.00000348	0.00006327	0.00011732	0.00095827	0.00004439	0.00012693
Conc Mean	<0.00025501[mg/l]	<0.00015949[mg/l]	<0.00007094[mg/l]	2.03171000[mg/l]	<0.13621800[mg/l]	<0.00003961[mg/l]	0.00352357[mg/l]
Conc RSD	69.69522286	80.85636000	400.33410398	31.33783857	255.52570145	102.80918451	31.75132039
Conc SD	0.00017773[mg/l]	0.00012896[mg/l]	0.00028398[mg/l]	0.63669400[mg/l]	0.34807200[mg/l]	0.00004072[mg/l]	0.00111878[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	117.43600000	3874.82000000	4180.46000000	3291.25000000	2339.80000000	2417.15000000	-86.37850000
Int RSD	14.26164038	0.89006715	0.76659267	2.90931105	1.70632960	1.72879631	89.57367864
Int SD	16.74830000	34.48850000	32.04710000	95.75270000	39.92470000	41.78760000	77.37240000
RelInt Mean	-0.00052993	-0.00004435	0.00001366	0.00029691	0.00007833	0.00014622	-0.00235156
RelInt RSD	61.90025098	62.26387013	93.86698876	29.03706448	39.37087792	34.05509657	22.64390447
RelInt SD	0.00032803	0.00002761	0.00001282	0.00008622	0.00003084	0.00004979	0.00053248
Conc Mean	<0.05860290[mg/l]	<0.00010350[mg/l]	<0.00155183[mg/l]	0.00960498[mg/l]	0.00621287[mg/l]	0.00354192[mg/l]	0.00102668[mg/l]
Conc RSD	44.77577048	273.25088169	31.53857059	43.66661877	32.95143790	32.82682839	83.61310243
Conc SD	0.02623990[mg/l]	0.00028280[mg/l]	0.00048943[mg/l]	0.00419417[mg/l]	0.00204723[mg/l]	0.00116270[mg/l]	0.00085844[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	36072.3000000	2214.57000000	6281.94000000	1309430	31465800	82070.8000000	4333.03000000
Int RSD	6.73846691	0.65878703	0.61007428	0.77960639	0.70721545	1.35260044	1.38999961
Int SD	2430.72000000	14.58930000	38.32450000	10208.4000000	222531	1110.09000000	60.22910000
RelInt Mean	0.00019937	-0.00004890	0.00003738	---	---	---	0.00122075
RelInt RSD	40.04408954	40.24000196	7.88120676	---	---	---	4.93892279
RelInt SD	0.00007983	0.00001968	0.00000295	---	---	---	0.00006029
Conc Mean	0.00225715[mg/l]	<0.00124435[mg/l]	<0.00069891[mg/l]	1304250	31416900	82108.0000000	0.00485269[mg/l]
Conc RSD	40.04430366	119.57728935	100.56072707	---	---	---	6.00864675
Conc SD	0.00090386[mg/l]	0.00148796[mg/l]	0.00070283[mg/l]	10192.4000000	222828	1076.00000000	0.00029158[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-88.11800000	84.21840000	3919.76000000	3328.72000000	4000.10000000	4496.17000000	
Int RSD	129.74761116	16.32125521	0.99316285	0.94111851	0.36745831	0.25628257	
Int SD	114.33100000	13.74550000	38.92960000	31.32720000	14.69870000	11.52290000	
RelInt Mean	-0.00218300	0.00045153	0.00039785	-0.00002774	0.00016297	0.00010551	
RelInt RSD	52.43426477	57.45354683	10.95802438	109.41500041	21.33693318	29.19314940	
RelInt SD	0.00114464	0.00025942	0.00004360	0.00003035	0.00003477	0.00003080	
Conc Mean	<0.00212405[mg/l]	0.02110560[mg/l]	<0.00144757[mg/l]	<0.00095605[mg/l]	<0.00013256[mg/l]	0.01345620[mg/l]	
Conc RSD	216.97370589	25.09836252	49.61687518	91.98443181	105.58623395	15.30298301	
Conc SD	0.00460863[mg/l]	0.00529716[mg/l]	0.00071824[mg/l]	0.00087942[mg/l]	0.00013996[mg/l]	0.00205920[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258133	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 17:47
Caldate: 11-MAY-2023	

Standards: S18304, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0259	0.0281	1.000	1.067	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	30264900	-2.21
Yttrium	A	1307730	1273740	-2.60
Yttrium	R	80618	79557	-1.32

Sample Name: CCV,S18304 Sample Type: Control Sample

Measure Date: 2023-05-11 17:47:07 Recalculation Date: State: Check failed Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	313576	567.12300000	24376.0000000	92515.0000000	361418	50346.1000000	204520
Int RSD	1.25502908	14.11654967	0.74631195	0.64788953	0.24586601	0.97848095	0.17504401
Int SD	3935.47000000	80.05820000	181.92100000	599.39500000	888.60400000	492.62700000	358.00000000
RelInt Mean	0.00942756	0.00500594	0.01698140	0.06999290	0.28139200	0.63221500	0.15775500
RelInt RSD	1.65330160	24.15370540	1.47585005	1.30436801	0.67380736	0.59878997	0.63956135
RelInt SD	0.00015587	0.00120912	0.00025062	0.00091297	0.00189604	0.00378564	0.00100894
Conc Mean	0.47478100[mg/l]	<0.37577400[mg/l]	1.03588000[mg/l]	1.02678000[mg/l]	1.06229000[mg/l]	51.64730000[mg/l]	1.03141000[mg/l]
Conc RSD	1.65792018	116.81090230	1.47161833	1.31386470	0.67517815	0.60061804	0.63904364
Conc SD	0.00787149[mg/l]	0.43894500[mg/l]	0.01524420[mg/l]	0.01349050[mg/l]	0.00717235[mg/l]	0.31020300[mg/l]	0.00659116[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	153581	817180	310387	49.80340000	11076.8000000	1474250	150076
Int RSD	0.09030674	1.61630241	0.38048630	211.09803748	2.14105157	0.89944039	0.22583758
Int SD	138.69400000	13208.1000000	1180.98000000	105.13400000	237.16000000	13260.0000000	338.92800000
RelInt Mean	0.11789900	0.02613500	0.24085300	0.00098575	0.13855800	1.15867000	0.11595100
RelInt RSD	0.74946098	1.85019705	0.31762195	111.37644852	1.44619582	0.55020152	0.45643936
RelInt SD	0.00088361	0.00048355	0.00076500	0.00109789	0.00200382	0.00637502	0.00052925
Conc Mean	1.03523000[mg/l]	0.96240400[mg/l]	1.07764000[mg/l]	10.23090000[mg/l]	51.09740000[mg/l]	1.06252000[mg/l]	1.02117000[mg/l]
Conc RSD	0.74933686	1.86318843	0.31861939	58.23651878	1.42467523	0.55058069	0.45663993
Conc SD	0.00775736[mg/l]	0.01793140[mg/l]	0.00343357[mg/l]	5.95812000[mg/l]	0.72797200[mg/l]	0.00585003[mg/l]	0.00466307[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	52637.3000000	133592	40434.0000000	29813.7000000	23183.8000000	282967	54474.9000000
Int RSD	1.59310983	0.42090170	0.56319929	0.38233430	0.72650299	0.03652405	0.88770975
Int SD	838.57000000	562.29100000	227.72400000	113.98800000	168.43100000	103.35100000	483.57900000
RelInt Mean	0.65876100	0.10165000	0.02813750	0.02086650	0.01625130	0.22110400	0.68371800
RelInt RSD	1.07713420	0.73437088	0.62551399	0.86959960	1.16246700	0.70748155	0.64609971
RelInt SD	0.00709574	0.00074649	0.00017600	0.00018146	0.00018892	0.00156427	0.00441750
Conc Mean	52.68000000[mg/l]	1.04168000[mg/l]	1.06657000[mg/l]	1.00395000[mg/l]	1.07986000[mg/l]	5.16292000[mg/l]	1.10706000[mg/l]
Conc RSD	1.07743546	0.73404020	0.62717121	0.87465910	1.16178023	0.70725481	0.64314581
Conc SD	0.56759300[mg/l]	0.00764635[mg/l]	0.00668922[mg/l]	0.00878114[mg/l]	0.01254560[mg/l]	0.03651500[mg/l]	0.00712001[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	2745250	20651.7000000	130749	1273740	30264900	79557.4000000	278771
Int RSD	2.16823604	0.62701376	1.38122663	0.68730981	1.00723941	0.89666329	0.30134232
Int SD	59523.5000000	129.48900000	1805.94000000	8754.54000000	304840	713.36200000	840.05500000
RelInt Mean	0.08965470	0.01416790	0.00412148	---	---	---	0.21729400
RelInt RSD	1.85493900	1.40532471	1.78964838	---	---	---	0.78399312
RelInt SD	0.00166304	0.00019911	0.00007376	---	---	---	0.00170357
Conc Mean	1.01503000[mg/l]	1.07284000[mg/l]	0.97492400[mg/l]	1268000	30213000	79585.1000000	1.04901000[mg/l]
Conc RSD	1.85518655	1.40129935	1.80538175	---	---	---	0.78477136
Conc SD	0.01883070[mg/l]	0.01503370[mg/l]	0.01760110[mg/l]	8720.65000000	304753	707.77800000	0.00823233[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	18412.8000000	2243.64000000	392825	234755	321089	108669	
Int RSD	1.94257256	5.91636804	0.32681729	0.09426721	0.23533195	0.26797431	
Int SD	357.68200000	132.74200000	1283.82000000	221.29700000	755.62500000	291.20500000	
RelInt Mean	0.23078300	0.02746650	0.30627200	0.18210900	0.24953200	0.08188950	
RelInt RSD	1.07370127	4.37551199	0.56799512	0.76263666	0.49831685	0.92108024	
RelInt SD	0.00247792	0.00120180	0.00173961	0.00138883	0.00124346	0.00075427	
Conc Mean	0.93585600[mg/l]	0.57272800[mg/l]	5.19007000[mg/l]	5.27785000[mg/l]	1.02972000[mg/l]	5.48101000[mg/l]	
Conc RSD	1.06610312	4.28456440	0.56965706	0.76252072	0.49573768	0.92002934	
Conc SD	0.00997719[mg/l]	0.02453890[mg/l]	0.02956560[mg/l]	0.04024470[mg/l]	0.00510471[mg/l]	0.05042690[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258134	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 17:50
Caldate: 11-MAY-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	30947500	31398200	1.46
Yttrium	A	1307730	1326430	1.43
Yttrium	R	80618	82260	2.04

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2023-05-11 17:50:21			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28449.4000000	311.11400000	2504.24000000	3838.01000000	4286.64000000	50.86460000	3895.79000000
Int RSD	0.50552911	9.30559216	1.47175590	1.70406799	1.09963048	224.29155051	1.65930658
Int SD	143.82000000	28.95100000	36.85630000	65.40230000	47.13720000	114.08500000	64.64310000
RelInt Mean	0.00003866	0.00318946	-0.00005719	0.00038095	0.00012755	0.00118501	0.00000473
RelInt RSD	18.07288446	42.80317044	47.19982796	16.61498844	25.90110855	75.05430334	913.83842378
RelInt SD	0.00000699	0.00136519	0.00002700	0.00006329	0.00003304	0.00088940	0.00004321
Conc Mean	<0.00060014[mg/l]	<0.28366200[mg/l]	<0.00004398[mg/l]	<0.00204322[mg/l]	0.00019526[mg/l]	<0.06095740[mg/l]	<0.00008497[mg/l]
Conc RSD	58.79129210	174.71638781	3734.80524796	45.78332240	64.38678883	119.55923317	335.22854994
Conc SD	0.00035283[mg/l]	0.49560400[mg/l]	0.00164253[mg/l]	0.00093545[mg/l]	0.00012572[mg/l]	0.07288020[mg/l]	0.00028484[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	3279.71000000	30050.2000000	5789.77000000	-187.68800000	-64.86380000	4615.20000000	3349.05000000
Int RSD	0.65940586	0.95771742	2.30193946	18.77994331	26.58308641	1.05664977	5.18878488
Int SD	21.62660000	287.79600000	133.27700000	35.24770000	17.24280000	48.76650000	173.77500000
RelInt Mean	0.00000367	0.00018690	0.00099866	-0.00129265	-0.00099033	0.00022731	0.00051496
RelInt RSD	343.13317050	5.38301845	12.04063445	38.82783429	44.53748844	17.89780701	21.36993963
RelInt SD	0.00001260	0.00001006	0.00012025	0.00050191	0.00044107	0.00004068	0.00011005
Conc Mean	<0.00015640[mg/l]	<0.00019736[mg/l]	<0.00108937[mg/l]	<2.13367000[mg/l]	0.40911600[mg/l]	<0.00001183[mg/l]	0.00368462[mg/l]
Conc RSD	70.73886523	189.03149638	49.54349762	127.65844765	39.15979820	315.48769456	26.32507558
Conc SD	0.00011064[mg/l]	0.00037307[mg/l]	0.00053971[mg/l]	2.72381000[mg/l]	0.16020900[mg/l]	0.00003732[mg/l]	0.00096998[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	-10.18200000	4039.19000000	4326.84000000	3541.04000000	2428.73000000	2593.44000000	-133.78700000
Int RSD	282.88450206	1.09935408	1.27323405	2.64777297	2.11174564	3.77561848	61.05040101
Int SD	28.80330000	44.40500000	55.09080000	93.75870000	51.28860000	97.91840000	81.67750000
RelInt Mean	-0.00165152	-0.00007378	-0.00002747	0.00037228	0.00004891	0.00020064	-0.00307960
RelInt RSD	17.39331040	28.33848406	109.06731224	21.77430489	113.32666785	36.55459086	31.71570983
RelInt SD	0.00028725	0.00002091	0.00002996	0.00008106	0.00005543	0.00007334	0.00097672
Conc Mean	<-0.14832200[mg/l]	<-0.00019794[mg/l]	<-0.00001703[mg/l]	0.01327100[mg/l]	<0.00425983[mg/l]	0.00481268[mg/l]	<-0.00014700[mg/l]
Conc RSD	15.49190275	108.18009134	6836.32840028	29.70921558	86.37715590	35.58412361	1071.12051373
Conc SD	0.02297790[mg/l]	0.00021414[mg/l]	0.00116409[mg/l]	0.00394271[mg/l]	0.00367952[mg/l]	0.00171255[mg/l]	0.00157459[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	37764.3000000	2317.50000000	6612.95000000	1326430	31398200	82259.7000000	3852.99000000
Int RSD	8.66426758	0.22904380	0.73609357	0.27346260	0.39702276	1.22639640	0.91083029
Int SD	3272.00000000	5.30809000	48.67750000	3627.29000000	124658	1008.83000000	35.09420000
RelInt Mean	0.00021228	-0.00005057	0.00003682	---	---	---	0.00072493
RelInt RSD	46.06627034	20.59124230	6.34824579	---	---	---	3.63361226
RelInt SD	0.00009779	0.00001041	0.00000234	---	---	---	0.00002634
Conc Mean	0.00240337[mg/l]	<0.00111717[mg/l]	<0.00056391[mg/l]	1321020	31347800	82299.1000000	0.00245553[mg/l]
Conc RSD	46.06614878	71.01989849	98.84024458	---	---	---	5.18747480
Conc SD	0.00110714[mg/l]	0.00079341[mg/l]	0.00055737[mg/l]	3615.76000000	124681	1015.12000000	0.00012738[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-78.98160000	26.05750000	4109.88000000	3422.48000000	4170.21000000	4599.88000000	
Int RSD	88.20294853	247.73481723	0.91817036	1.65659405	0.66684412	0.29343809	
Int SD	69.66410000	64.55350000	37.73570000	56.69660000	27.80880000	13.49780000	
RelInt Mean	-0.00158928	-0.00041524	0.00042093	-0.00003022	0.00015333	0.00009762	
RelInt RSD	58.35497835	136.33585396	6.11575686	102.73835249	7.10394845	34.42619256	
RelInt SD	0.00092742	0.00056612	0.00002574	0.00003105	0.00001089	0.00003361	
Conc Mean	<0.00026643[mg/l]	<0.00340688[mg/l]	<-0.00105765[mg/l]	<0.00088429[mg/l]	<0.00008902[mg/l]	0.01292850[mg/l]	
Conc RSD	1401.52086688	339.30458367	39.99309791	101.71890284	56.58316418	17.37726728	
Conc SD	0.00373403[mg/l]	0.01155970[mg/l]	0.00042299[mg/l]	0.00089948[mg/l]	0.00005037[mg/l]	0.00224662[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258145	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 18:26
Caldate: 11-MAY-2023	

Standards: S18304, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0259	0.0283	1.000	1.072	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	29862000	-3.51
Yttrium	A	1307730	1264890	-3.28
Yttrium	R	80618	78619	-2.48

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S18304				Sample Type: Control Sample			
Measure Date: 2023-05-11 18:26:07			Recalculation Date:		State: Check failed		Quality: Failed Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	309281	442.17900000	24329.6000000	92130.3000000	358856	49551.1000000	203258
Int RSD	0.81798429	13.24237469	0.60034279	0.20922867	0.39351718	0.45998777	0.20928918
Int SD	2529.87000000	58.55500000	146.06100000	192.76300000	1412.16000000	227.92900000	425.39700000
RelInt Mean	0.00941101	0.00351498	0.01706040	0.07014440	0.28132300	0.62988200	0.15787400
RelInt RSD	1.64059968	25.91681887	0.97949052	0.62278671	0.66894993	0.43976491	0.46834564
RelInt SD	0.00015440	0.00091097	0.00016711	0.00043685	0.00188191	0.00277000	0.00073940
Conc Mean	0.47394500[mg/l]	<0.16548900[mg/l]	1.04069000[mg/l]	1.02902000[mg/l]	1.06203000[mg/l]	51.45610000[mg/l]	1.03219000[mg/l]
Conc RSD	1.64522677	199.83745143	0.97604474	0.62711706	0.66913741	0.44107501	0.46650035
Conc SD	0.00779747[mg/l]	0.33070900[mg/l]	0.01015760[mg/l]	0.00645316[mg/l]	0.00710644[mg/l]	0.22696000[mg/l]	0.00481517[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	152371	806748	308079	14.00890000	10860.9000000	1460950	148811
Int RSD	0.20068845	1.33350191	0.09650901	513.62490988	0.31707225	0.41464116	0.20287815
Int SD	305.79100000	10758.0000000	297.32400000	71.95320000	34.43690000	6057.70000000	301.90500000
RelInt Mean	0.11774100	0.02614360	0.24070700	0.00098932	0.13730100	1.15624000	0.11575900
RelInt RSD	0.62376657	2.02459875	0.50202113	32.66371785	0.28489450	0.00935506	0.58165326
RelInt SD	0.00073443	0.00052930	0.00120840	0.00032315	0.00039116	0.00010817	0.00067332
Conc Mean	1.03385000[mg/l]	0.96272200[mg/l]	1.07699000[mg/l]	10.25030000[mg/l]	50.64100000[mg/l]	1.06029000[mg/l]	1.01948000[mg/l]
Conc RSD	0.62401993	2.03861551	0.50364999	17.10857243	0.28040915	0.00916026	0.58195354
Conc SD	0.00645143[mg/l]	0.01962620[mg/l]	0.00542426[mg/l]	1.75368000[mg/l]	0.14200200[mg/l]	0.00009713[mg/l]	0.00593290[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	52012.6000000	133272	40391.3000000	29722.1000000	23076.1000000	280927	53635.9000000
Int RSD	0.85237039	0.45972372	0.87229428	0.57518816	0.94736546	0.22828315	0.91380773
Int SD	443.34000000	612.68300000	352.33100000	170.95800000	218.61500000	641.30900000	490.12900000
RelInt Mean	0.65834600	0.10209500	0.02828420	0.02092150	0.01627180	0.22102300	0.68055200
RelInt RSD	0.50003038	0.51556687	1.26705016	1.00289654	1.37053061	0.63498821	0.60022158
RelInt SD	0.00329193	0.00052637	0.00035838	0.00020982	0.00022301	0.00140347	0.00408482
Conc Mean	52.64680000[mg/l]	1.04625000[mg/l]	1.07215000[mg/l]	1.00663000[mg/l]	1.08123000[mg/l]	5.16104000[mg/l]	1.10196000[mg/l]
Conc RSD	0.50017285	0.51538925	1.26789162	1.01003348	1.36928313	0.63505224	0.59773676
Conc SD	0.26332500[mg/l]	0.00539226[mg/l]	0.01359370[mg/l]	0.01016730[mg/l]	0.01480510[mg/l]	0.03277530[mg/l]	0.00658682[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	2724140	20675.4000000	129129	1264890	29862000	78619.4000000	277169
Int RSD	1.90907222	0.48715865	1.10261831	0.41288887	0.83870806	0.37822726	0.30527801
Int SD	52005.8000000	100.72200000	1423.80000000	5222.59000000	250455	297.36000000	846.13600000
RelInt Mean	0.09017480	0.01425450	0.00412166	---	---	---	0.21752100
RelInt RSD	2.70026659	0.73277912	1.89414459	---	---	---	0.70857986
RelInt SD	0.00243496	0.00010445	0.00007807	---	---	---	0.00154131
Conc Mean	1.02092000[mg/l]	1.07939000[mg/l]	0.97496800[mg/l]	1259150	29810300	78673.8000000	1.05010000[mg/l]
Conc RSD	2.70042707	0.73169475	1.91076015	---	---	---	0.70946957
Conc SD	0.02756920[mg/l]	0.00789784[mg/l]	0.01862930[mg/l]	5185.87000000	250396	271.49600000	0.00745014[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	18151.5000000	2078.26000000	390407	234034	319044	108814	
Int RSD	0.82186045	5.52654625	0.24918995	0.33556663	0.25286073	0.35399581	
Int SD	149.18000000	114.85600000	972.85500000	785.34000000	806.73700000	385.19700000	
RelInt Mean	0.23017400	0.02581680	0.30654800	0.18279800	0.24967100	0.08255960	
RelInt RSD	0.36047468	3.32225915	0.52579694	0.65873259	0.58535833	0.63767509	
RelInt SD	0.00082972	0.00085770	0.00161182	0.00120415	0.00146147	0.00052646	
Conc Mean	0.93340200[mg/l]	0.53904200[mg/l]	5.19481000[mg/l]	5.29784000[mg/l]	1.03028000[mg/l]	5.52580000[mg/l]	
Conc RSD	0.35796045	3.24909747	0.52652744	0.65846647	0.58444015	0.63691049	
Conc SD	0.00334121[mg/l]	0.01751400[mg/l]	0.02735210[mg/l]	0.03488450[mg/l]	0.00602137[mg/l]	0.03519440[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258146	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 18:29
Caldate: 11-MAY-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	30947500	31682100	2.37
Yttrium	A	1307730	1333380	1.96
Yttrium	R	80618	81557	1.17

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2023-05-11 18:29:22			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28161.2000000	319.15800000	2495.63000000	3812.91000000	4284.44000000	55.70330000	3882.25000000
Int RSD	0.67451671	24.81570257	1.76863958	2.25876037	0.13097138	89.73920755	2.06396806
Int SD	189.95200000	79.20130000	44.13870000	86.12450000	5.61139000	49.98770000	80.12840000
RelInt Mean	0.00003621	0.00416969	-0.00005864	0.00035716	0.00012146	0.00082472	-0.00000131
RelInt RSD	10.19806765	10.24083325	37.17068013	13.11894522	13.40987305	49.71772101	3875.90168825
RelInt SD	0.00000369	0.00042701	0.00002180	0.00004686	0.00001629	0.00041003	0.00005067
Conc Mean	<0.00047687[mg/l]	<0.07219010[mg/l]	<-0.00004364[mg/l]	<-0.00239482[mg/l]	0.00017376[mg/l]	<-0.09048090[mg/l]	<0.00004543[mg/l]
Conc RSD	39.11405996	214.73720081	3039.21186691	28.91636950	36.06517185	37.13424601	732.45937433
Conc SD	0.00018652[mg/l]	0.15501900[mg/l]	0.00132623[mg/l]	0.00069250[mg/l]	0.00006267[mg/l]	0.03359940[mg/l]	0.00033278[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	3288.17000000	29825.7000000	5807.89000000	-126.09800000	-57.96710000	4637.51000000	3306.55000000
Int RSD	1.29162726	0.44923003	2.16867055	34.97406779	60.11944707	1.64680400	5.88268739
Int SD	42.47090000	133.98600000	125.95400000	44.10160000	34.84950000	76.37070000	194.51400000
RelInt Mean	-0.00000683	0.00018273	0.00101635	-0.00073811	-0.00101872	0.00024133	0.00046593
RelInt RSD	213.25615492	2.14326994	8.21391253	107.72836643	40.31578844	15.60938620	30.76908218
RelInt SD	0.00001456	0.00000392	0.00008348	0.00079516	0.00041070	0.00003767	0.00014336
Conc Mean	<0.00006422[mg/l]	<0.00004264[mg/l]	0.00116877[mg/l]	<0.87575100[mg/l]	0.39880300[mg/l]	<0.00000103[mg/l]	0.00325250[mg/l]
Conc RSD	199.06596341	340.53320139	32.05823216	492.74622581	37.40719102	3356.40111518	38.85134512
Conc SD	0.00012783[mg/l]	0.00014522[mg/l]	0.00037469[mg/l]	4.31523000[mg/l]	0.14918100[mg/l]	0.00003455[mg/l]	0.00126364[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	106.14900000	4054.52000000	4343.07000000	3567.80000000	2419.77000000	2628.03000000	-127.24500000
Int RSD	13.74228679	0.93227805	0.24189341	2.33267560	1.31359179	4.17807255	75.88062399
Int SD	14.58730000	37.79940000	10.50560000	83.22520000	31.78590000	109.80100000	96.55430000
RelInt Mean	-0.00074185	-0.00006325	-0.00000524	0.00039996	0.00005852	0.00022340	-0.00222253
RelInt RSD	49.28482751	10.85423465	504.71522415	15.63253509	46.12918551	38.75148276	38.07489663
RelInt SD	0.00036562	0.00000687	0.00002642	0.00006252	0.00002699	0.00008657	0.00084623
Conc Mean	<-0.07555490[mg/l]	<-0.00009013[mg/l]	<-0.00080379[mg/l]	0.01461780[mg/l]	0.00489772[mg/l]	0.00534420[mg/l]	<0.00123471[mg/l]
Conc RSD	38.70960057	78.01684253	125.25099964	20.79779447	36.58824923	37.82493170	110.48991261
Conc SD	0.02924700[mg/l]	0.00007032[mg/l]	0.00100675[mg/l]	0.00304018[mg/l]	0.00179199[mg/l]	0.00202144[mg/l]	0.00136423[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	37708.7000000	2324.94000000	6471.73000000	1333380	31682100	81557.4000000	3618.58000000
Int RSD	8.21521293	0.40020044	2.28365522	0.07782028	0.57053352	0.53804560	1.52004654
Int SD	3097.85000000	9.30442000	147.79200000	1037.64000000	180757	438.81600000	55.00410000
RelInt Mean	0.00021262	-0.00004927	0.00003287	---	---	---	0.00055760
RelInt RSD	46.85541069	32.45627389	8.01504212	---	---	---	3.24230001
RelInt SD	0.00009962	0.00001599	0.00000263	---	---	---	0.00001808
Conc Mean	0.00240715[mg/l]	<0.00121687[mg/l]	<-0.00037842[mg/l]	1328020	31632000	81610.6000000	0.00164657[mg/l]
Conc RSD	46.85540992	99.57349594	166.23099602	---	---	---	5.30639450
Conc SD	0.00112788[mg/l]	0.00121168[mg/l]	0.00062908[mg/l]	1058.41000000	180668	406.96900000	0.00008737[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-61.09600000	-26.58330000	4114.15000000	3398.12000000	4169.88000000	4558.15000000	
Int RSD	96.64282441	38.16569049	1.71803653	3.36182948	0.49523727	1.48252251	
Int SD	59.04490000	10.14570000	70.68260000	114.23900000	20.65080000	67.57560000	
RelInt Mean	-0.00137569	-0.00064228	0.00041559	-0.00005875	0.00015881	0.00004683	
RelInt RSD	52.63569554	93.41095289	16.01517853	170.82224866	22.78631338	64.22837324	
RelInt SD	0.00072410	0.00059996	0.00006656	0.00010036	0.00003619	0.00003008	
Conc Mean	<0.00112637[mg/l]	<-0.00122901[mg/l]	<-0.00113908[mg/l]	<0.00005761[mg/l]	<0.00011208[mg/l]	0.00953300[mg/l]	
Conc RSD	258.83413088	996.78603103	97.12662851	5047.27535311	134.67169892	21.09126193	
Conc SD	0.00291543[mg/l]	0.01225060[mg/l]	0.00110635[mg/l]	0.00290770[mg/l]	0.00015094[mg/l]	0.00201063[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258157	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 19:05
Caldate: 11-MAY-2023	

Standards: S18304, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0259	0.0284	1.000	1.075	mg/l	8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	28982500	-6.35
Yttrium	A	1307730	1236150	-5.47
Yttrium	R	80618	77750	-3.56

Sample Name: CCV,S18304 Sample Type: Control Sample

Measure Date: 2023-05-11 19:05:09 Recalculation Date: State: Check failed Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	307416	465.21800000	23931.0000000	91057.2000000	352810	48971.1000000	199591
Int RSD	0.84096469	19.49537636	0.45267227	0.52501614	0.13182364	0.40973350	0.36605959
Int SD	2585.26000000	90.69600000	108.32900000	478.06500000	465.08700000	200.65100000	730.62200000
RelInt Mean	0.00965202	0.00401412	0.01716410	0.07099330	0.28306300	0.62948200	0.15864100
RelInt RSD	0.96506742	20.99244666	0.68763873	0.68465052	0.74947273	0.13153736	0.58924805
RelInt SD	0.00009315	0.00084266	0.00011803	0.00048606	0.00212148	0.00082800	0.00093479
Conc Mean	0.48611700[mg/l]	<0.01571600[mg/l]	1.04699000[mg/l]	1.04157000[mg/l]	1.06861000[mg/l]	51.42330000[mg/l]	1.03719000[mg/l]
Conc RSD	0.96782668	1946.49401883	0.68532269	0.68965504	0.74825147	0.13185502	0.59066227
Conc SD	0.00470477[mg/l]	0.30591100[mg/l]	0.00717526[mg/l]	0.00718324[mg/l]	0.00799589[mg/l]	0.06780420[mg/l]	0.00612629[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	149638	807307	303115	17.52360000	10720.8000000	1439900	146074
Int RSD	0.40271856	0.93515106	0.01781502	477.33856057	1.56441683	0.47369748	0.39566795
Int SD	602.62000000	7549.54000000	54.00000000	83.64690000	167.71800000	6820.77000000	577.96800000
RelInt Mean	0.11838300	0.02697220	0.24239100	0.00125850	0.13766300	1.16616000	0.11627900
RelInt RSD	0.65930328	1.02394688	0.89036309	61.06857370	1.50492870	0.56262605	1.12562888
RelInt SD	0.00078050	0.00027618	0.00215816	0.00076855	0.00207173	0.00656112	0.00130887
Conc Mean	1.03948000[mg/l]	0.99344900[mg/l]	1.08455000[mg/l]	11.71120000[mg/l]	50.77240000[mg/l]	1.06940000[mg/l]	1.02407000[mg/l]
Conc RSD	0.65912283	1.03085312	0.89310866	35.61419837	1.48190158	0.56289882	1.12649526
Conc SD	0.00685145[mg/l]	0.01024100[mg/l]	0.00968621[mg/l]	4.17085000[mg/l]	0.75239700[mg/l]	0.00601964[mg/l]	0.01153610[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	51966.5000000	130513	39584.1000000	29387.0000000	22746.5000000	275474	53335.1000000
Int RSD	1.15608902	0.20240206	0.48471482	1.00987511	0.92090651	0.34833160	0.44977698
Int SD	600.77900000	264.16100000	191.87000000	296.77200000	209.47400000	959.56300000	239.88900000
RelInt Mean	0.66475800	0.10232800	0.02836610	0.02120540	0.01643460	0.22179400	0.68367700
RelInt RSD	0.99480864	0.71080740	0.39563775	0.47718506	0.78077957	0.54054663	0.36140166
RelInt SD	0.00661307	0.00072735	0.00011223	0.00010119	0.00012832	0.00119890	0.00247082
Conc Mean	53.15980000[mg/l]	1.04863000[mg/l]	1.07525000[mg/l]	1.02040000[mg/l]	1.09204000[mg/l]	5.17905000[mg/l]	1.10700000[mg/l]
Conc RSD	0.99515047	0.71057380	0.39419763	0.48286554	0.77983041	0.54042344	0.35996929
Conc SD	0.52902000[mg/l]	0.00745129[mg/l]	0.00423861[mg/l]	0.00492716[mg/l]	0.00851606[mg/l]	0.02798880[mg/l]	0.00398486[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	2675340	20370.7000000	128010	1236150	28982500	77749.8000000	270713
Int RSD	0.67660933	0.36434143	0.82266229	0.87240222	0.30753317	0.18369822	0.46456579
Int SD	18101.6000000	74.21890000	1053.09000000	10784.2000000	89130.8000000	142.82500000	1257.64000000
RelInt Mean	0.09123230	0.01440150	0.00421406	---	---	---	0.21742200
RelInt RSD	0.76903027	0.85211263	0.85308942	---	---	---	0.78196319
RelInt SD	0.00070160	0.00012272	0.00003595	---	---	---	0.00170016
Conc Mean	1.03290000[mg/l]	1.09048000[mg/l]	0.99701700[mg/l]	1230520	28932100	77813.4000000	1.04962000[mg/l]
Conc RSD	0.76933004	0.85164148	0.86041462	---	---	---	0.78260323
Conc SD	0.00794641[mg/l]	0.00928698[mg/l]	0.00857848[mg/l]	10798.1000000	88994.5000000	125.70800000	0.00821436[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	17995.1000000	2193.24000000	384766	229935	314733	106741	
Int RSD	0.49847903	2.69839598	0.38027269	0.16221454	0.26571697	0.48159657	
Int SD	89.70180000	59.18230000	1463.16000000	372.98800000	836.29900000	514.06100000	
RelInt Mean	0.23063200	0.02727870	0.30910100	0.18378700	0.25209200	0.08284840	
RelInt RSD	0.59466163	1.32233208	0.66886228	0.70250888	0.63257462	0.52841576	
RelInt SD	0.00137148	0.00036072	0.00206746	0.00129112	0.00159467	0.00043778	
Conc Mean	0.93524800[mg/l]	0.56889300[mg/l]	5.23823000[mg/l]	5.32650000[mg/l]	1.04029000[mg/l]	5.54511000[mg/l]	
Conc RSD	0.59049258	1.29484806	0.66801000	0.70215338	0.63290525	0.52785968	
Conc SD	0.00552257[mg/l]	0.00736630[mg/l]	0.03499190[mg/l]	0.03740020[mg/l]	0.00658405[mg/l]	0.02927040[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258158	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 19:08
Caldate: 11-MAY-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	30947500	30802000	-0.47
Yttrium	A	1307730	1294320	-1.03
Yttrium	R	80618	79546	-1.33

Sample Name: CCB,1					Sample Type: Control Sample		
Measure Date: 2023-05-11 19:08:24			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	27305.0000000	358.25800000	2441.04000000	3724.08000000	4120.22000000	134.95300000	3753.52000000
Int RSD	0.24378795	28.38931720	0.60762626	1.57690759	0.78651868	98.70325224	0.91202658
Int SD	66.56630000	101.70700000	14.83240000	58.72530000	32.40630000	133.20300000	34.23310000
RelInt Mean	0.00003484	0.00482062	-0.00004609	0.00038825	0.00009819	0.00089116	-0.00000236
RelInt RSD	15.55949405	13.60594695	20.17903207	12.34504305	13.40305093	132.97432439	1354.48949268
RelInt SD	0.00000542	0.00065589	0.00000930	0.00004793	0.00001316	0.00118501	0.00003191
Conc Mean	<0.00040750[mg/l]	<0.30849600[mg/l]	<0.00071962[mg/l]	<-0.00193523[mg/l]	<0.00008779[mg/l]	<-0.08503670[mg/l]	<0.00003867[mg/l]
Conc RSD	67.18830522	77.18349671	78.65053778	36.60443462	52.92723961	114.18940293	535.91941761
Conc SD	0.00027379[mg/l]	0.23810800[mg/l]	0.00056598[mg/l]	0.00070838[mg/l]	0.00004647[mg/l]	0.09710290[mg/l]	0.00020723[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	3165.61000000	28934.4000000	5763.48000000	-114.14900000	-138.83900000	4482.83000000	3102.56000000
Int RSD	0.71644328	0.84436518	3.61659969	31.62682108	36.80536449	1.51552033	5.78734980
Int SD	22.67980000	244.31200000	208.44200000	36.10170000	51.10020000	67.93820000	179.55600000
RelInt Mean	-0.00000817	0.00018275	0.00112045	-0.00068874	-0.00208717	0.00024428	0.00039674
RelInt RSD	152.24388207	2.89333946	12.94122897	70.24809108	33.15086936	16.79272626	38.81654896
RelInt SD	0.00001244	0.00000529	0.00014500	0.00048383	0.00069191	0.00004102	0.00015400
Conc Mean	<0.00005244[mg/l]	<0.00004349[mg/l]	0.00163599[mg/l]	<1.14370000[mg/l]	<0.01070800[mg/l]	<0.00000373[mg/l]	0.00264260[mg/l]
Conc RSD	208.1788523	450.82796455	39.78141676	229.57593775	2347.06761300	1008.99997318	51.36607886
Conc SD	0.00010918[mg/l]	0.00019607[mg/l]	0.00065082[mg/l]	2.62566000[mg/l]	0.25132400[mg/l]	0.00003762[mg/l]	0.00135740[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	61.84640000	3915.87000000	4203.05000000	3434.90000000	2309.72000000	2469.12000000	-45.27340000
Int RSD	79.93658483	0.71813671	0.80412795	2.98372587	1.32138528	1.80732407	51.39220823
Int SD	49.43790000	28.12130000	33.79790000	102.48800000	30.52030000	44.62500000	23.26700000
RelInt Mean	-0.00159376	-0.00006350	-0.00000890	0.00037168	0.00003350	0.00016181	-0.00172639
RelInt RSD	32.55176438	38.68014117	170.17328679	18.78535626	89.24354045	22.40709955	28.55826320
RelInt SD	0.00051880	0.00002456	0.00001515	0.00006982	0.00002990	0.00003626	0.00049303
Conc Mean	<-0.14370200[mg/l]	<-0.00009267[mg/l]	<0.00065080[mg/l]	0.01324250[mg/l]	<0.00323698[mg/l]	0.00390612[mg/l]	0.00203456[mg/l]
Conc RSD	28.87927795	271.45806154	90.31444183	25.64606381	61.31486756	21.67429572	39.06618630
Conc SD	0.04150010[mg/l]	0.00025156[mg/l]	0.00058777[mg/l]	0.00339618[mg/l]	0.00198475[mg/l]	0.00084662[mg/l]	0.00079482[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	36466.1000000	2247.45000000	6303.69000000	1294320	30802000	79545.9000000	3371.99000000
Int RSD	8.11191764	0.57933658	1.20641085	0.94710736	0.65935654	1.35056615	0.62697695
Int SD	2958.10000000	13.02030000	76.04840000	12258.6000000	203095	1074.32000000	21.14160000
RelInt Mean	0.00020747	-0.00005378	0.00003667	---	---	---	0.00045565
RelInt RSD	43.59184460	27.72845341	11.21737636	---	---	---	5.72720290
RelInt SD	0.00009044	0.00001491	0.00000411	---	---	---	0.00002610
Conc Mean	0.00234889[mg/l]	<0.00087662[mg/l]	<0.00052879[mg/l]	1289070	30753100	79603.4000000	0.00115368[mg/l]
Conc RSD	43.59207966	128.17128595	185.72787479	---	---	---	10.94012204
Conc SD	0.00102393[mg/l]	0.00112357[mg/l]	0.00098210[mg/l]	12245.8000000	202637	1097.09000000	0.00012621[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-125.06200000	-7.88320000	3991.36000000	3381.88000000	4038.91000000	4434.06000000	
Int RSD	54.18432458	1272.96021920	1.12592199	0.99145150	0.44338200	0.68786620	
Int SD	67.76400000	100.35000000	44.93960000	33.52970000	17.90780000	30.50040000	
RelInt Mean	-0.00195901	-0.00117344	0.00041276	-0.00002422	0.00016526	0.00000380	
RelInt RSD	25.06669185	74.01997546	2.96955631	138.11515342	8.20619255	332.97366149	
RelInt SD	0.00049106	0.00086858	0.00001226	0.00003345	0.00001356	0.00001265	
Conc Mean	<-0.00122220[mg/l]	<-0.01207470[mg/l]	<-0.00117351[mg/l]	<0.00105804[mg/l]	<0.00013603[mg/l]	0.00665659[mg/l]	
Conc RSD	161.76730486	146.88232420	18.67261463	91.60617746	41.27493935	12.70689647	
Conc SD	0.00197712[mg/l]	0.01773560[mg/l]	0.00021913[mg/l]	0.00096923[mg/l]	0.00005615[mg/l]	0.00084585[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 484907 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258169	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 19:44
Caldate: 11-MAY-2023	

Standards: S18304, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0259	0.0275	1.000	1.042	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	30947500	28619800	-7.52
Yttrium	A	1307730	1238340	-5.31
Yttrium	R	80618	77536	-3.82

Sample Name: CCV,S18304 Sample Type: Control Sample

Measure Date: 2023-05-11 19:44:13 Recalculation Date: State: Check failed Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	299765	478.82100000	23327.7000000	90191.6000000	344721	48150.9000000	194785
Int RSD	0.14999183	2.96258936	0.43826438	0.43194156	0.38896673	0.77987327	0.10121057
Int SD	449.62300000	14.18550000	102.23700000	389.57500000	1340.85000000	375.51600000	197.14300000
RelInt Mean	0.00954834	0.00451204	0.01671250	0.07025480	0.27607200	0.62089800	0.15454200
RelInt RSD	0.39548969	10.52515049	0.93000449	0.49420822	0.57114811	0.74037926	0.38084663
RelInt SD	0.00003776	0.00047490	0.00015543	0.00034721	0.00157678	0.00459700	0.00058857
Conc Mean	0.48088100[mg/l]	<0.19647100[mg/l]	1.01954000[mg/l]	1.03065000[mg/l]	1.04219000[mg/l]	50.71990000[mg/l]	1.01037000[mg/l]
Conc RSD	0.39656381	87.74984603	0.92766444	0.49796633	0.57155797	0.74275975	0.38271227
Conc SD	0.00190700[mg/l]	0.17240300[mg/l]	0.00945791[mg/l]	0.00513229[mg/l]	0.00595672[mg/l]	0.37672700[mg/l]	0.00386681[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	146172	794519	297890	-4.29980000	10720.6000000	1410000	143335
Int RSD	0.15359576	0.33116389	0.40666689	2131.02935020	2.12600041	0.73253901	0.14028465
Int SD	224.51400000	2631.16000000	1211.42000000	91.63000000	227.92000000	10328.8000000	201.07700000
RelInt Mean	0.11541000	0.02689140	0.23778600	0.00099337	0.13761300	1.13974000	0.11390700
RelInt RSD	0.40072957	0.47502919	0.84131109	89.75486451	2.16973687	0.28702160	0.62598436
RelInt SD	0.00046248	0.00012774	0.00200052	0.00089160	0.00298584	0.00327130	0.00071304
Conc Mean	1.01338000[mg/l]	0.99045000[mg/l]	1.06388000[mg/l]	10.27230000[mg/l]	50.75440000[mg/l]	1.04516000[mg/l]	1.00316000[mg/l]
Conc RSD	0.40096509	0.47825736	0.84409144	47.10347245	2.13666204	0.28699338	0.62631983
Conc SD	0.00406330[mg/l]	0.00473690[mg/l]	0.00898012[mg/l]	4.83861000[mg/l]	1.08445000[mg/l]	0.00299954[mg/l]	0.00628299[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	51855.6000000	127436	38455.1000000	28868.5000000	22391.1000000	268702	53070.0000000
Int RSD	1.21602103	0.12757463	0.38319235	0.93551449	0.78302986	0.21534376	0.82010929
Int SD	630.57500000	162.57600000	147.35700000	270.06900000	175.32900000	578.63300000	435.23200000
RelInt Mean	0.66615100	0.09971620	0.02749750	0.02082040	0.01616690	0.21593500	0.68263000
RelInt RSD	1.03635812	0.57123316	0.41281207	0.51259822	1.31372125	0.28203348	0.58343759
RelInt SD	0.00690371	0.00056961	0.00011351	0.00010673	0.00021239	0.00060901	0.00398272
Conc Mean	53.27120000[mg/l]	1.02188000[mg/l]	1.04234000[mg/l]	1.00183000[mg/l]	1.07426000[mg/l]	5.04223000[mg/l]	1.10531000[mg/l]
Conc RSD	1.03670839	0.57125690	0.41292477	0.52006029	1.31229870	0.28206567	0.58116546
Conc SD	0.55226700[mg/l]	0.00583756[mg/l]	0.00430408[mg/l]	0.00521012[mg/l]	0.01409750[mg/l]	0.01422240[mg/l]	0.00642368[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	2611590	19857.9000000	124508	1238340	28619800	77536.3000000	262498
Int RSD	0.42700807	0.48490978	0.29478989	0.46807097	0.25318800	0.25604781	0.20317869
Int SD	11151.7000000	96.29290000	367.03700000	5796.31000000	72461.9000000	198.53000000	533.34000000
RelInt Mean	0.09019650	0.01401430	0.00415281	---	---	---	0.21038800
RelInt RSD	0.68726281	0.90078705	0.54252903	---	---	---	0.54060117
RelInt SD	0.00061989	0.00012624	0.00002253	---	---	---	0.00113736
Conc Mean	1.02117000[mg/l]	1.06124000[mg/l]	0.98240800[mg/l]	1232850	28570700	77593.3000000	1.01563000[mg/l]
Conc RSD	0.68717158	0.90089424	0.54749249	---	---	---	0.54103955
Conc SD	0.00701719[mg/l]	0.00956065[mg/l]	0.00537861[mg/l]	5786.64000000	72544.9000000	173.53600000	0.00549496[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	17842.2000000	2157.96000000	377925	224077	308655	105605	
Int RSD	3.10963334	3.93795993	0.10638116	0.32769450	0.28653318	0.61971876	
Int SD	554.82700000	84.97960000	402.04100000	734.28800000	884.39900000	654.45400000	
RelInt Mean	0.22867400	0.02726250	0.30311400	0.17870500	0.24673300	0.08182440	
RelInt RSD	2.98670597	4.58615314	0.39556734	0.63800677	0.23965177	0.75619009	
RelInt SD	0.00682982	0.00125030	0.00119902	0.00114015	0.00059130	0.00061875	
Conc Mean	0.92736600[mg/l]	0.56856300[mg/l]	5.13664000[mg/l]	5.17924000[mg/l]	1.01818000[mg/l]	5.47666000[mg/l]	
Conc RSD	2.96518311	4.49037310	0.39530121	0.63778856	0.23855409	0.75533263	
Conc SD	0.02749810[mg/l]	0.02553060[mg/l]	0.02030520[mg/l]	0.03303260[mg/l]	0.00242891[mg/l]	0.04136700[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 484907 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483189258170	File: met06_master011
Cal: 483189258001	Time: 11-MAY-2023 19:47
Caldate: 11-MAY-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	30947500	30225200	-2.33
Yttrium	A	1307730	1269550	-2.92
Yttrium	R	80618	79427	-1.48

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2023-05-11 19:47:28			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	26709.4000000	322.05400000	2404.14000000	4059.22000000	4079.38000000	90.08310000	3716.32000000
Int RSD	1.44355920	35.65861626	1.36201719	1.65018895	0.61734381	95.39092238	1.02222898
Int SD	385.56600000	114.84000000	32.74480000	66.98480000	25.18380000	85.93110000	37.98930000
RelInt Mean	0.00003094	0.00394340	-0.00005961	0.00070888	0.00011520	0.00153289	0.00000561
RelInt RSD	4.77225271	37.84145661	31.78868157	4.45768295	22.57795410	61.09486004	341.85184592
RelInt SD	0.00000148	0.00149224	0.00001895	0.00003160	0.00002601	0.00093652	0.00001919
Conc Mean	<0.00021036[mg/l]	<0.00995867[mg/l]	<-0.00010324[mg/l]	0.00280338[mg/l]	<0.00014698[mg/l]	<-0.03245160[mg/l]	<0.00009114[mg/l]
Conc RSD	35.44769131	5439.74245557	1116.89833874	16.65935407	70.62661587	236.47740019	136.44687138
Conc SD	0.00007457[mg/l]	0.54172600[mg/l]	0.00115303[mg/l]	0.00046703[mg/l]	0.00010381[mg/l]	0.07674070[mg/l]	0.00012436[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	3126.37000000	28442.8000000	5640.37000000	-161.47600000	-110.57400000	4479.30000000	3270.81000000
Int RSD	0.27770865	0.90722784	3.01893316	61.07310065	71.72445602	0.79435180	6.44143194
Int SD	8.68220000	258.04100000	170.27900000	98.61840000	79.30860000	35.58140000	210.68700000
RelInt Mean	0.00000212	0.00018668	0.00108172	-0.00116220	-0.00144052	0.00026835	0.00055982
RelInt RSD	816.53027283	5.69994483	11.31910291	137.75942179	44.90434010	4.16656729	29.67593386
RelInt SD	0.00001733	0.00001064	0.00012244	0.00160104	0.00064686	0.00001118	0.00016613
Conc Mean	<0.00014279[mg/l]	<0.00018925[mg/l]	0.00146216[mg/l]	<-1.42573000[mg/l]	0.24559200[mg/l]	<0.00002581[mg/l]	0.00408010[mg/l]
Conc RSD	106.55979943	208.48978341	37.58651584	609.41833306	95.67046158	39.73721123	35.89005171
Conc SD	0.00015216[mg/l]	0.00039457[mg/l]	0.00054958[mg/l]	8.68866000[mg/l]	0.23495900[mg/l]	0.00001026[mg/l]	0.00146435[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	24.68700000	3861.91000000	4175.79000000	3340.45000000	2308.62000000	2392.17000000	-106.37900000
Int RSD	198.01312432	0.53146759	1.34607344	3.21354907	1.64044754	2.76480769	34.97231596
Int SD	48.88350000	20.52480000	56.20920000	107.34700000	37.87170000	66.13890000	37.20320000
RelInt Mean	-0.00141429	-0.00006641	-0.00000361	0.00035165	0.00005399	0.00010620	-0.00232820
RelInt RSD	23.31622227	9.53516001	530.01966457	22.62970957	44.88299382	40.34849997	37.84365604
RelInt SD	0.00032976	0.00000633	0.00001911	0.00007958	0.00002423	0.00004285	0.00088108
Conc Mean	<-0.12934500[mg/l]	<-0.00012252[mg/l]	<0.00087040[mg/l]	0.01226770[mg/l]	0.00459707[mg/l]	<0.00260750[mg/l]	<0.00106436[mg/l]
Conc RSD	20.39367583	52.93788769	81.60975004	31.55399953	34.99272363	38.37162033	133.45202751
Conc SD	0.02637820[mg/l]	0.00006486[mg/l]	0.00071033[mg/l]	0.00387095[mg/l]	0.00160864[mg/l]	0.000100054[mg/l]	0.00142041[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	35340.4000000	2203.47000000	6221.30000000	1269550	30225200	79426.9000000	3245.07000000
Int RSD	8.02401784	1.02929017	0.95592240	0.46057737	0.59104324	0.68657974	0.87975914
Int SD	2835.72000000	22.68010000	59.47080000	5847.26000000	178644	545.32900000	28.54880000
RelInt Mean	0.00019307	-0.00006862	0.00003784	---	---	---	0.00038598
RelInt RSD	44.77907320	13.52216336	5.00380536	---	---	---	0.60138557
RelInt SD	0.00008646	0.00000928	0.00000189	---	---	---	0.00000232
Conc Mean	0.00218590[mg/l]	<-0.00025035[mg/l]	<0.00080818[mg/l]	1264400	30177200	79501.0000000	0.00081678[mg/l]
Conc RSD	44.77890114	278.53510843	55.97989564	---	---	---	1.36565538
Conc SD	0.00097882[mg/l]	0.00069732[mg/l]	0.00045242[mg/l]	5808.69000000	178670	533.14400000	0.00001115[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-44.91410000	4.66987000	4091.03000000	3322.89000000	3961.02000000	4678.34000000	
Int RSD	122.83826237	311.71103264	2.08258311	1.47129457	0.92340357	0.38560686	
Int SD	55.17170000	14.55650000	85.19910000	48.88950000	36.57620000	18.04000000	
RelInt Mean	-0.00149795	-0.00064098	0.00055397	-0.00003292	0.00014074	0.00021609	
RelInt RSD	76.16876398	70.26197222	11.84199173	53.62572868	13.83397637	21.57465812	
RelInt SD	0.00114097	0.00045037	0.00006560	0.00001765	0.00001947	0.00004662	
Conc Mean	<0.00063415[mg/l]	<-0.00120256[mg/l]	<0.00120140[mg/l]	<0.00080606[mg/l]	<0.00003740[mg/l]	0.02084860[mg/l]	
Conc RSD	724.40247070	764.71111629	90.51523223	63.45045418	223.04031273	14.94906133	
Conc SD	0.00459382[mg/l]	0.00919611[mg/l]	0.00108745[mg/l]	0.00051145[mg/l]	0.00008342[mg/l]	0.00311667[mg/l]	



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

enthalpy.com

Lab Job Number: 487140
Report Level: IV
Report Date: 06/27/2023

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 #: 487140
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 06/19/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C6W-EXT-1 TO 2-230619-P-WF	487140-001	06/19/23 08:15	Wipe
ARCH-C7W-EXT-1 TO 2-230619-P-WF	487140-003	06/19/23 08:25	Wipe
ARCH-C6W-DG-1.5 TO 2-230619-P-FB	487140-005	06/19/23 08:36	Wipe
ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-P-LA	487140-007	06/19/23 08:50	Wipe
ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-P-DUP-LA	487140-008	06/19/23 08:50	Wipe
ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-P-LA	487140-010	06/19/23 09:16	Wipe
ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-P-DUP-LA	487140-011	06/19/23 09:16	Wipe
ARCH-C7W-DG-2 TO 2.5-230619-P-FB	487140-013	06/19/23 09:05	Wipe
ARCH-C6W-PS-2.5-230619-P-G	487140-016	06/19/23 09:35	Wipe
ARCH-C7W-PS-2.5-230619-P-G	487140-018	06/19/23 09:45	Wipe
ARCH-C6W-DG-3 TO 3.5-230619-P-FB	487140-020	06/19/23 10:00	Wipe
ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-P-LA	487140-023	06/19/23 10:10	Wipe

Case Narrative

PCBS (EPA 8082)

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

Lab Job Number: 487140
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/19/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 06/20/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

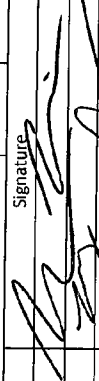
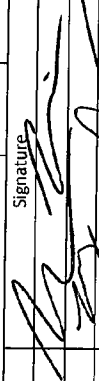
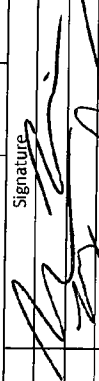
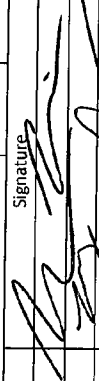
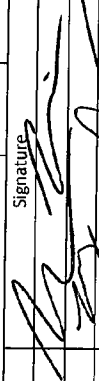
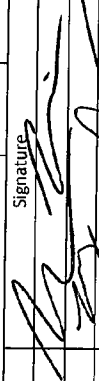
Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
COC ID:		Page:		Standard:		3 Day:	
1		2		X (PCBs)		1 Day:	
Matrix: A = Air S = Soil/Solid		W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water		Preservatives:		Sample Receipt Temp:	
SW = Swab T = Tissue WP = Wipe O = Other				1 = Na ₂ S ₂ O ₅ 2 = HCl 3 = HNO ₃			
				4 = H ₂ SO ₄ 5 = NaOH 6 = Other			
PROJECT INFORMATION				Test Instructions / Comments			
Quote #:				Confirmation Wipe Samples - Level IV			
Proj. Name:				Report/Stage 3 Validation			
Proj. #:				Report PCB concentrations on a µg/l/100cm ² basis			
P.O. #:				Report lead concentrations on a µg/l/2 basis			
Address:				Report Aroclor 1268 concentrations in addition to the standard Aroclors			
Global ID:				Wipe samples collected from Zone 4 Enclosure CID (Low Occupancy)			
Sampled By:							
1	ARCH-C6W-EXT-1 TO 2-230619-P-WF	6/19/2023	WP	1	--	--	
2	ARCH-C6W-EXT-1 TO 2-230619-L-WF	6/19/2023	WP	1	--	--	
3	ARCH-C7W-EXT-1 TO 2-230619-P-WF	6/19/2023	WP	1	--	--	
4	ARCH-C7W-EXT-1 TO 2-230619-L-WF	6/19/2023	WP	1	--	--	
5	ARCH-C6W-DG-1.5 TO 2-230619-P-PB	6/19/2023	WP	1	--	--	
6	ARCH-C6W-DG-1.5 TO 2-230619-L-PB	6/19/2023	WP	1	--	--	
7	ARCH-C7W-DG-1.5 TO 2-DN-C7-7-VS-230619-P-LA	6/19/2023	WP	1	--	--	
8	ARCH-C7W-DG-1.5 TO 2-DN-C7-7-VS-230619-P-DUP-LA	6/19/2023	WP	1	--	--	
9	ARCH-C7W-DG-1.5 TO 2-DN-C7-7-VS-230619-L-LA	6/19/2023	WP	1	--	--	
10	ARCH-C6W-DG-2 TO 2.5-UP-C6-6-HS-230619-P-LA	6/19/2023	WP	1	--	--	
11	ARCH-C6W-DG-2 TO 2.5-UP-C6-6-HS-230619-P-DUP-LA	6/19/2023	WP	1	--	--	
12	ARCH-C6W-DG-2 TO 2.5-UP-C6-6-HS-230619-L-LA	6/19/2023	WP	1	--	--	
13	ARCH-C7W-DG-2 TO 2.5-230619-P-PB	6/19/2023	WP	1	--	--	
14	ARCH-C7W-DG-2 TO 2.5-230619-L-PB	6/19/2023	WP	1	--	--	
15	ARCH-C7W-DG-2 TO 2.5-230619-L-DUP-PB	6/19/2023	WP	1	--	--	

CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request		Test Instructions / Comments	
Company:	Quote #:	Matrix	Container No. / Size	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	
Rincon Consultants, Inc.	RIN031721	WP	1	X			
Report To: Lindsay Parker	Proj. Name: Hangar 1 - NCTRA WP	WP	1	X			
Email: lparker@rinconconsultants.com	Proj. #: 20-10491	WP	1	X			
Address: 449 15th Street, Suite 303	P.O. #:	WP	1	X			
Oakland, California 94612	Address: 158 Cody Road, Mountain View, CA	WP	1	X			
Phone: (651) 890-9556	Global ID:	WP	1	X			
Fax:	Sampled By: M. Kim & D. Walsh	WP	1	X			

Signature	Print Name	Company / Title	Date / Time
	Michaela Kim	Rincon/EnvSueIntst	6/19/23 @ 15:45
	Vincent Yip	BA	6/19/23 15:45
	Arman	BA	6/19/23 17:22
			6/20/23 08:50

487146

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)					
Enthalpy Analytical - Orange		COC ID:		Standard:					
931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Page: 2 of 2		5 Day: 3 Day: 1 Day: custom TAT					
CUSTOMER INFORMATION		PROJECT INFORMATION		Test Instructions / Comments					
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721	Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm ² basis Report lead concentrations on a µg/m ² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 4 Enclosure CID (Low Occupancy)					
Report To:	Lindsey Parker	Proj. Name:	Hangar 1 - NCTRA WP						
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491						
Address:	449 15th Street, Suite 303 Oakland, California 94612	P.O. #:							
Phone:	(651) 890-9556	Address:	158 Cody Road, Mountain View, CA						
Fax:		Global ID:							
Sampled By:		M. Kim D. Neish							
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	Analysis Request	Test Instructions / Comments
16 ARCH-C6W-PS-2.5-230619-P-G	6/19/2023	0935	WP	1	--	X			
17 ARCH-C6W-PS-2.5-230619-L-G	6/19/2023	0935	WP	1	--	X			6x Rivet Type 1 = 0.0828 µg/m ²
18 ARCH-C7W-PS-2.5-230619-P-G	6/19/2023	0945	WP	1	--	X			
19 ARCH-C7W-PS-2.5-230619-L-G	6/19/2023	0945	WP	1	--	X			6x Rivet Type 1 = 0.0828 µg/m ²
20 ARCH-C6W-DG-3 TO 3.5-230619-P-FB	6/19/2023	1000	WP	1	--	X			
21 ARCH-C6W-DG-3 TO 3.5-230619-L-FB	6/19/2023	1000	WP	1	--	X			
22 ARCH-C6W-DG-3 TO 3.5-230619-L-DUP-FB	6/19/2023	1000	WP	1	--	X			
23 ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-P-LA	6/19/2023	1010	WP	1	--	X			
24 ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-L-LA	6/19/2023	1010	WP	1	--	X			2x Rivet Type 2 = 0.0100 µg/m ²
25									
26									
27									
28									
29									
30									

Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By:		Michael Akhram	Rincon/EN-Scientist	EA	6/19/23 @ 1545	6/19/23	1545
1 Received By:		Michael Akhram	Rincon/EN-Scientist	EA	6/19/23 @ 1545	6/19/23	1545
2 Relinquished By:		Michael Akhram	Rincon/EN-Scientist	EA	6/19/23 @ 1545	6/19/23	1545
2 Received By:		Michael Akhram	Rincon/EN-Scientist	EA	6/19/23 @ 1545	6/19/23	1545
3 Relinquished By:		Michael Akhram	Rincon/EN-Scientist	EA	6/19/23 @ 1545	6/19/23	1545
3 Received By:		Michael Akhram	Rincon/EN-Scientist	EA	6/19/23 @ 1545	6/19/23	1545

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

SAMPLE RECEIPT CHECKLIST																																																											
Section 1: General Info Date Received: <u>6/19/23</u> Login # <u>487140</u> Client: <u>Rincon</u>																																																											
Section 2: Shipping / Custody Shipping Info: _____ Are custody seals present? ☒ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package Custody seals intact on arrival? ☐ Yes ☐ No ☐ N/A Date: _____ # of seals _____ Signature _____ Initials _____																																																											
Section 3: Condition / Packaging Important: Notify PM if temperature exceeds 6°C or arrive frozen Date Opened <u>6/19/23</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 <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 10%;">YES</th> <th style="width: 10%;">NO</th> <th style="width: 10%;">N/A</th> </tr> </thead> <tbody> <tr><td>Were custody papers dry, filled out properly, and the project identifiable?</td><td style="text-align: center;">/</td><td></td><td></td></tr> <tr><td>Were Method 5035 sampling containers present? Transferred to freezer @: _____</td><td></td><td style="text-align: center;">/</td><td></td></tr> <tr><td>Did all containers arrive unbroken/unopened?</td><td style="text-align: center;">/</td><td></td><td></td></tr> <tr><td>Are there any missing / extra samples?</td><td></td><td style="text-align: center;">/</td><td></td></tr> <tr><td>Are samples in the appropriate containers for indicated tests?</td><td style="text-align: center;">/</td><td></td><td></td></tr> <tr><td>Are sample labels present, in good condition and complete?</td><td style="text-align: center;">/</td><td></td><td></td></tr> <tr><td>Does the container count match the COC?</td><td style="text-align: center;">/</td><td></td><td></td></tr> <tr><td>Do the sample labels agree with custody papers?</td><td style="text-align: center;">/</td><td></td><td></td></tr> <tr><td>Was sufficient amount of sample sent for tests requested?</td><td style="text-align: center;">/</td><td></td><td></td></tr> <tr><td>Did you change the hold time in LIMS for unpreserved VOAs?</td><td></td><td></td><td style="text-align: center;">/</td></tr> <tr><td>Did you change the hold time in LIMS for preserved terracores?</td><td></td><td></td><td style="text-align: center;">/</td></tr> <tr><td>Are bubbles > 6mm present in VOA samples?</td><td></td><td></td><td style="text-align: center;">/</td></tr> <tr><td>Was the client contacted about this delivery? Contacted: _____ By: _____ Date: _____</td><td></td><td style="text-align: center;">/</td><td></td></tr> </tbody> </table>					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: _____		/	
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Preservative added: ☐ H2SO4 lot# _____ added to samples _____ Date/Time _____ ☐ HCL lot# _____ added to samples _____ Date/Time _____ ☐ HNO3 lot# _____ added to samples _____ Date/Time _____ ☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____																																																											
Section 6: Explanations / Comments _____ _____ _____ _____ _____ _____ _____ _____ _____ _____																																																											
Date Logged <u>6/19/23</u> By (print) <u>my</u> (sign) _____ Date Labeled <u>6/19/23</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

487140

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 06/20/23 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: 2.4 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam

☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: [Signature] Date: JUN 20 2023

SOUTHWEST AIRLINES

Printed on:
19 JUN 18:34

526 OAK 8961 **6435** 

SNA	PC#	LOT WT
	1 OF 3	150 LB
	DG	(68.0 KG)
OAK WN 3564 19 JUN 20:20		
STN	FLT	DATE ETD LOT 01

2.4 / 1.4



PC ID: 0001
PC WT: 50LB

S

526 89616435 0001

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 487140	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-EXT-1 TO 2-230619-P-WF	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487140-001	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/22/23	

487140-001 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
487140-001 Surrogate		%REC	Limits
TCMX (PCB)		76	19-121
Decachlorobiphenyl (PCB)		93	19-121

Field ID: ARCH-C7W-EXT-1 TO 2-230619-P-WF	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487140-003	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/22/23	

487140-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487140-003 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		85	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487140	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-DG-1.5 TO 2-230619-P-FB	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487140-005	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/22/23	

487140-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487140-005 Surrogate		%REC	Limits
TCMX (PCB)		77	19-121
Decachlorobiphenyl (PCB)		88	19-121

Field ID: ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-P-LA	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487140-007	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/22/23	

487140-007 Analyte	Result	RL	Units
Aroclor-1016	ND	0.42	ug/100 cm2
Aroclor-1221	ND	0.42	ug/100 cm2
Aroclor-1232	ND	0.42	ug/100 cm2
Aroclor-1242	ND	0.42	ug/100 cm2
Aroclor-1248	ND	0.42	ug/100 cm2
Aroclor-1254	ND	0.42	ug/100 cm2
Aroclor-1260	ND	0.42	ug/100 cm2
Aroclor-1262	ND	0.42	ug/100 cm2
Aroclor-1268	ND	0.42	ug/100 cm2
487140-007 Surrogate		%REC	Limits
TCMX (PCB)		78	19-121
Decachlorobiphenyl (PCB)		90	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487140

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-P-DUP-LA

Batch#: 316643

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487140-008

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/21/23

Diln Fac: 1.000

Analyzed: 06/22/23

487140-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487140-008 Surrogate		%REC	Limits
TCMX (PCB)		74	19-121
Decachlorobiphenyl (PCB)		84	19-121

Field ID: ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-P-LA

Batch#: 316643

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487140-010

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/21/23

Diln Fac: 1.000

Analyzed: 06/22/23

487140-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487140-010 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		80	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487140

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-P-DUP-LA

Batch#: 316643

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487140-011

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/21/23

Diln Fac: 1.000

Analyzed: 06/22/23

487140-011 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
487140-011 Surrogate		%REC	Limits
TCMX (PCB)		77	19-121
Decachlorobiphenyl (PCB)		85	19-121

Field ID: ARCH-C7W-DG-2 TO 2.5-230619-P-FB

Batch#: 316643

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487140-013

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/21/23

Diln Fac: 1.000

Analyzed: 06/22/23

487140-013 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
487140-013 Surrogate		%REC	Limits
TCMX (PCB)		75	19-121
Decachlorobiphenyl (PCB)		82	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487140	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-PS-2.5-230619-P-G	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487140-016	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/22/23	

487140-016 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
487140-016 Surrogate		%REC	Limits
TCMX (PCB)		74	19-121
Decachlorobiphenyl (PCB)		81	19-121

Field ID: ARCH-C7W-PS-2.5-230619-P-G	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487140-018	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/23/23	

487140-018 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
487140-018 Surrogate		%REC	Limits
TCMX (PCB)		74	19-121
Decachlorobiphenyl (PCB)		84	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487140	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-DG-3 TO 3.5-230619-P-FB	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487140-020	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/23/23	

487140-020 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
487140-020 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		87	19-121

Field ID: ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-P-LA	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487140-023	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/23/23	

487140-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487140-023 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		80	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487140

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 316643

Analysis: EPA 8082

Lab ID: QC1074812

Prepared: 06/21/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/22/23

Diln Fac: 1.000

Prep: EPA 3546

QC1074812 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

QC1074812 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	105	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 487140

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 316643

Analysis: EPA 8082

Lab ID: QC1074813

Prepared: 06/21/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/22/23

Diln Fac: 1.000

Prep: EPA 3546

QC1074813 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.372	87	60-140	ug/100 cm2
Aroclor-1260	5.000	4.996	100	60-140	ug/100 cm2
QC1074813 Surrogate				%REC	Limits
TCMX (PCB)				73	19-121
Decachlorobiphenyl (PCB)				98	19-121

Type: BSD

Batch#: 316643

Analysis: EPA 8082

Lab ID: QC1074814

Prepared: 06/21/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/22/23

Diln Fac: 1.000

Prep: EPA 3546

QC1074814 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.291	86	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	5.168	103	60-140	ug/100 cm2	3	20
QC1074814 Surrogate				%REC	Limits		
TCMX (PCB)				75	19-121		
Decachlorobiphenyl (PCB)				99	19-121		

Legend

RPD: Relative Percent Difference

Instrument: SVOA-GC06
 Calibration #: 453205686001
 Units: ug/L

Name: PCB_052223_1
 Date: 22-MAY-2023 20:06
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_052223020	453205686020		22-MAY-2023 20:06	S18179
L2	gc06_052223021	453205686021		22-MAY-2023 20:24	S18180
L3	gc06_052223022	453205686022		22-MAY-2023 20:43	S18181
L4	gc06_052223023	453205686023		22-MAY-2023 21:01	S18182
L5	gc06_052223024	453205686024		22-MAY-2023 21:19	S18183
L6	gc06_052223025	453205686025		22-MAY-2023 21:38	S18184
L7	gc06_052223026	453205686026		22-MAY-2023 21:56	S18185
L8	gc06_052223027	453205686027		22-MAY-2023 22:14	S18186
L9	gc06_052223028	453205686028		22-MAY-2023 22:33	S18187
L10	gc06_052223029	453205686029		22-MAY-2023 22:51	S18188

Instrument: SVOA-GC06
 Calibration #: 453205686001
 Units: ug/L

Name: PCB_052223_1
 Date: 22-MAY-2023 20:06
 X Axis: R

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	44.8280			0.0223	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	22.0807			0.0453	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG	17.2755			0.0579	15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	28.6617			0.0349	13	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	37.4758			0.0267	15	8	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	15.1197			0.0661	14	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	9.90415			0.1010	14	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	9.26897			0.1079	20	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	17.0130			0.0588	14	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	10.7597			0.0929	13	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	0.74929			1.3346	16	9	.99	20	
TCMX (PCB)	A	AVRG	0.93830			1.0658	13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	48.0029			0.0208	16	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	21.3693			0.0468	20	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	17.7590			0.0563	14	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	24.6742			0.0405	16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	46.2568			0.0216	9	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	17.7291			0.0564	17	10	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	15.7244			0.0636	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	12.2876			0.0814	17	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	21.0371			0.0475	17	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	14.5138			0.0689	12	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	0.94680			1.0562	17	9	.99	20	
TCMX (PCB)	B	AVRG	0.94258			1.0609	15	10	.99	20	

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

AVRG: Average response factor

Instrument: SVOA-GC06
 Calibration #: 453205686001
 Units: ug/L

Name: PCB_052223_1
 Date: 22-MAY-2023 20:06
 X Axis: R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A		0.0276	0.0245	0.0234	0.0239	0.0218	0.0206	0.0212	0.0184	0.0193
Aroclor-1016 Peak # 2	A		0.0566	0.0518	0.0480	0.0481	0.0439	0.0411	0.0427	0.0366	0.0387
Aroclor-1016 Peak # 3	A		0.0762	0.0633	0.0599	0.0612	0.0560	0.0519	0.0548	0.0476	0.0502
Aroclor-1016 Peak # 4	A		0.0443	0.0367	0.0358	0.0370	0.0341	0.0322	0.0341	0.0290	0.0309
Aroclor-1016 Peak # 5	A			0.0344	0.0292	0.0286	0.0264	0.0247	0.0261	0.0216	0.0226
Aroclor-1260 Peak # 1	A		0.0851	0.0711	0.0682	0.0709	0.0625	0.0605	0.0668	0.0525	0.0577
Aroclor-1260 Peak # 2	A		0.1294	0.1093	0.1026	0.1091	0.0961	0.0930	0.1010	0.0808	0.0875
Aroclor-1260 Peak # 3	A	0.1581	0.1289	0.1077	0.1032	0.1094	0.0971	0.0948	0.1043	0.0834	0.0921
Aroclor-1260 Peak # 4	A	0.0772	0.0641	0.0593	0.0559	0.0620	0.0553	0.0543	0.0597	0.0476	0.0524
Aroclor-1260 Peak # 5	A	0.1231	0.0945	0.0875	0.0849	0.1002	0.0893	0.0878	0.0975	0.0775	0.0870
Decachlorobiphenyl (PCB)	A		1.7632	1.3406	1.2120	1.5128	1.4154	1.3028	1.3203	1.0100	1.1344
TCMX (PCB)	A		1.3115	1.0954	1.0188	1.2898	0.9794	0.9774	1.0276	0.9022	0.9898
Aroclor-1016 Peak # 1	B	0.0287	0.0231	0.0220	0.0204	0.0214	0.0200	0.0189	0.0193	0.0169	0.0175
Aroclor-1016 Peak # 2	B	0.0611	0.0630	0.0503	0.0468	0.0471	0.0433	0.0407	0.0419	0.0361	0.0376
Aroclor-1016 Peak # 3	B		0.0724	0.0632	0.0574	0.0590	0.0541	0.0509	0.0542	0.0462	0.0495
Aroclor-1016 Peak # 4	B	0.0559	0.0462	0.0417	0.0392	0.0416	0.0384	0.0365	0.0384	0.0328	0.0345
Aroclor-1016 Peak # 5	B			0.0241	0.0220	0.0240	0.0220	0.0210	0.0220	0.0185	0.0193
Aroclor-1260 Peak # 1	B	0.0735	0.0722	0.0592	0.0548	0.0579	0.0517	0.0503	0.0540	0.0436	0.0468
Aroclor-1260 Peak # 2	B		0.0821	0.0695	0.0652	0.0682	0.0603	0.0584	0.0633	0.0506	0.0547
Aroclor-1260 Peak # 3	B	0.1108	0.0964	0.0809	0.0765	0.0815	0.0731	0.0718	0.0782	0.0632	
Aroclor-1260 Peak # 4	B	0.0660	0.0527	0.0493	0.0467	0.0491	0.0448	0.0412	0.0471	0.0378	0.0406
Aroclor-1260 Peak # 5	B		0.0860	0.0731	0.0692	0.0734	0.0655	0.0644	0.0708	0.0560	0.0616
Decachlorobiphenyl (PCB)	B		1.3936	1.1048	0.9715	1.1986	1.1264	1.0333	1.0299	0.7901	0.8576
TCMX (PCB)	B	1.3332	1.2621	1.0653	1.0656	1.2201	0.9321	0.9733	0.9760	0.8587	0.9229

Instrument: SVOA-GC06
 Calibration #: 453205686001
 Units: ug/L

Name: PCB_052223_1
 Date: 22-MAY-2023 20:06
 X Axis: R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A			20.000	24	50.000	10	100.00	5	250.00	7	500.00	-2	749.91	-8	1000.0	-5
Aroclor-1016 Peak # 2	A			20.000	25	50.000	14	100.00	6	250.00	6	500.00	-3	749.91	-9	1000.0	-6
Aroclor-1016 Peak # 3	A			20.000	32	50.000	9	100.00	3	250.00	6	500.00	-3	749.91	-10	1000.0	-5
Aroclor-1016 Peak # 4	A			20.000	27	50.000	5	100.00	2	250.00	6	500.00	-2	749.91	-8	1000.0	-2
Aroclor-1016 Peak # 5	A					50.000	29	100.00	9	250.00	7	500.00	-1	749.91	-7	1000.0	-2
Aroclor-1260 Peak # 1	A			20.000	29	50.000	8	100.00	3	250.00	7	500.00	-6	749.91	-9	1000.0	1
Aroclor-1260 Peak # 2	A			20.000	28	50.000	8	100.00	2	250.00	8	500.00	-5	749.91	-8	1000.0	0
Aroclor-1260 Peak # 3	A	10.000	47	20.000	19	50.000	0	100.00	-4	250.00	1	500.00	-10	749.91	-12	1000.0	-3
Aroclor-1260 Peak # 4	A	10.000	31	20.000	9	50.000	1	100.00	-5	250.00	6	500.00	-6	749.91	-8	1000.0	1
Aroclor-1260 Peak # 5	A	10.000	32	20.000	2	50.000	-6	100.00	-9	250.00	8	500.00	-4	749.91	-6	1000.0	5
Decachlorobiphenyl (PCB)	A			1.6000	32	4.0000	0	8.0000	-9	20.000	13	40.000	6	59.993	-2	80.000	-1
TCMX (PCB)	A			1.6000	23	4.0000	3	8.0000	-4	20.000	21	40.000	-8	59.993	-8	80.000	-4
Aroclor-1016 Peak # 1	B	10.000	38	20.000	11	50.000	6	100.00	-2	250.00	3	500.00	-4	749.91	-9	1000.0	-7
Aroclor-1016 Peak # 2	B	10.000	31	20.000	35	50.000	8	100.00	0	250.00	1	500.00	-7	749.91	-13	1000.0	-10
Aroclor-1016 Peak # 3	B			20.000	29	50.000	12	100.00	2	250.00	5	500.00	-4	749.91	-10	1000.0	-4
Aroclor-1016 Peak # 4	B	10.000	38	20.000	14	50.000	3	100.00	-3	250.00	3	500.00	-5	749.91	-10	1000.0	-5
Aroclor-1016 Peak # 5	B					50.000	11	100.00	2	250.00	11	500.00	2	749.91	-3	1000.0	2
Aroclor-1260 Peak # 1	B	10.000	30	20.000	28	50.000	5	100.00	-3	250.00	3	500.00	-8	749.91	-11	1000.0	-4
Aroclor-1260 Peak # 2	B			20.000	29	50.000	9	100.00	3	250.00	7	500.00	-5	749.91	-8	1000.0	0
Aroclor-1260 Peak # 3	B	10.000	36	20.000	18	50.000	-1	100.00	-6	250.00	0	500.00	-10	749.91	-12	1000.0	-4
Aroclor-1260 Peak # 4	B	10.000	39	20.000	11	50.000	4	100.00	-2	250.00	3	500.00	-6	749.91	-13	1000.0	-1
Aroclor-1260 Peak # 5	B			20.000	25	50.000	6	100.00	0	250.00	6	500.00	-5	749.91	-7	1000.0	3
Decachlorobiphenyl (PCB)	B			1.6000	32	4.0000	5	8.0000	-8	20.000	13	40.000	7	59.993	-2	80.000	-2
TCMX (PCB)	B	0.8000	26	1.6000	19	4.0000	0	8.0000	0	20.000	15	40.000	-12	59.993	-8	80.000	-8

Instrument: SVOA-GC06
 Calibration #: 453205686001
 Units: ug/L

Name: PCB_052223_1
 Date: 22-MAY-2023 20:06
 X Axis: R

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-17	2000.0	-13
Aroclor-1016 Peak # 2	A	1500.0	-19	2000.0	-15
Aroclor-1016 Peak # 3	A	1500.0	-18	2000.0	-13
Aroclor-1016 Peak # 4	A	1500.0	-17	2000.0	-11
Aroclor-1016 Peak # 5	A	1500.0	-19	2000.0	-15
Aroclor-1260 Peak # 1	A	1500.0	-21	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-20	2000.0	-13
Aroclor-1260 Peak # 3	A	1500.0	-23	2000.0	-15
Aroclor-1260 Peak # 4	A	1500.0	-19	2000.0	-11
Aroclor-1260 Peak # 5	A	1500.0	-17	2000.0	-6
Decachlorobiphenyl (PCB)	A	120.00	-24	160.00	-15
TCMX (PCB)	A	120.00	-15	160.00	-7
Aroclor-1016 Peak # 1	B	1500.0	-19	2000.0	-16
Aroclor-1016 Peak # 2	B	1500.0	-23	2000.0	-20
Aroclor-1016 Peak # 3	B	1500.0	-18	2000.0	-12
Aroclor-1016 Peak # 4	B	1500.0	-19	2000.0	-15
Aroclor-1016 Peak # 5	B	1500.0	-15	2000.0	-11
Aroclor-1260 Peak # 1	B	1500.0	-23	2000.0	-17
Aroclor-1260 Peak # 2	B	1500.0	-20	2000.0	-14
Aroclor-1260 Peak # 3	B	1500.0	-22		
Aroclor-1260 Peak # 4	B	1500.0	-20	2000.0	-15
Aroclor-1260 Peak # 5	B	1500.0	-19	2000.0	-11
Decachlorobiphenyl (PCB)	B	120.00	-25	160.00	-19
TCMX (PCB)	B	120.00	-19	160.00	-13

TRN 05/23/23 : Manually integrated for coeluting peak, negative/tailing peak for one/both channels on multiple levels

Instrument: SVOA-GC06
Calibration #: 453205686001
Units: ug/L

Name: PCB_052223_1
Date: 22-MAY-2023 20:06
X Axis: R

Analyst: TRN 05/23/23

Reviewer: LW 05/23/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 487140 PCBS Wipe
EPA 8082

Inst: SVOA-GC06
Calnum: 453205686001

Name: PCB_052223_1
Cal Date: 22-MAY-2023

- ICV 453205686031 (gc06_052223031 22-MAY-2023) stds: S18189

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	428.3	ug/L	-14	15	
Aroclor-1260	A	500.0	486.3	ug/L	-3	15	
Aroclor-1016	B	500.0	432.4	ug/L	-14	15	
Aroclor-1260	B	500.0	476.3	ug/L	-5	15	

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Analyst: TRN 05/23/23

Reviewer: LW 05/23/23

ENTHALPY CONTINUING CALIBRATION FOR 487140 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_062223004	IDF: 1.0
Seqnum: 453249852004.1	Caldate: 22-MAY-2023	Time: 22-JUN-2023 12:49
Cal: 453205686001		

Standards: S18318

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	499.2	ug/L	0	15	0.0000	
Aroclor-1260	A			500.0	514.2	ug/L	3	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3346	1.5183	40.00	45.51	ug/L	14	15	0.0000	
TCMX (PCB)	A	1.0658	0.9886	40.00	37.11	ug/L	-7	15	0.0000	
Aroclor-1016	B			500.0	462.5	ug/L	-7	15	0.0000	
Aroclor-1260	B			500.0	548.2	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0562	1.1399	40.00	43.17	ug/L	8	15	0.0000	
TCMX (PCB)	B	1.0609	0.9181	40.00	34.62	ug/L	-13	15	0.0000	

ISTD (ICAL gc06_052223022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7279227	9249233	27.06
1-bromo-2-nitrobenzene (PCB)	A	2781470	3197195	14.95

06/22/23 : 500 PPB PCB CCV

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/23/23

ENTHALPY CONTINUING CALIBRATION FOR 487140 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_062223039	IDF: 1.0
Seqnum: 453249852039.1	Caldate: 22-MAY-2023	Time: 22-JUN-2023 22:45
Cal: 453205686001		

Standards: S18318

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	519.0	ug/L	4	15	0.0000	
Aroclor-1260	A			500.0	524.3	ug/L	5	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3346	1.4834	40.00	44.46	ug/L	11	15	0.0000	
TCMX (PCB)	A	1.0658	1.0014	40.00	37.59	ug/L	-6	15	0.0000	
Aroclor-1016	B			500.0	496.7	ug/L	-1	15	0.0000	
Aroclor-1260	B			500.0	551.0	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0562	1.1311	40.00	42.84	ug/L	7	15	0.0000	
TCMX (PCB)	B	1.0609	0.9674	40.00	36.47	ug/L	-9	15	0.0000	

ISTD (ICAL gc06_052223022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7279227	9928546	36.40
1-bromo-2-nitrobenzene (PCB)	A	2781470	3478696	25.07

06/23/23 : 500 PPB PCB CCV

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/23/23

Date: 06/22/23		Reference: gc06_052223022		
Sequence: SVOA-GC06 gc06_062223		Analyzed: 05/22/23 20:43		
#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	7279227	2781470
		LOWER LIMIT	3639614	1390735
		UPPER LIMIT	14558454	5562940
004	CCV		9249233	3197195
039	CCV		9928546	3478696

Date: 06/22/23
Sequence: SVOA-GC06 gc06_062223

Reference: gc06_062223004
Analyzed: 06/22/23 12:49

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	9249233	3197195
		LOWER LIMIT	4624616	1598598
		UPPER LIMIT	18498466	6394391
012	BLANK	QC1074812	9425324	3462793
013	BS	QC1074813	9733594	3441225
014	BSD	QC1074814	9487432	3455196
015	SAMPLE	487140-001	9777358	3445084
016	SAMPLE	487140-003	9952049	3535231
017	SAMPLE	487140-005	9391004	3375872
018	SAMPLE	487140-007	9282813	3414797
019	SAMPLE	487140-008	9248949	3281153
020	SAMPLE	487140-010	9645498	3456935
021	SAMPLE	487140-011	9690221	3517194
022	SAMPLE	487140-013	9881374	3559924
023	SAMPLE	487140-016	9271487	3305358
026	BLANK	QC1075152	8604930	3122204
026	BLANK	QC1075152	8604930	3122204
031	BS	QC1075157	8528066	3078676
032	BSD	QC1075158	7933405	2865447
034	SAMPLE	487185-002	9019214	2068628
034	SAMPLE	487185-002	9019214	2068628
035	SAMPLE	487186-002	8432896	2731765
035	SAMPLE	487186-002	8432896	2731765
036	SAMPLE	487188-002	9522871	3215575
036	SAMPLE	487188-002	9522871	3215575
037	SAMPLE	487207-002	8853260	3250688

Date: 06/22/23
Sequence: SVOA-GC06 gc06_062223

Reference: gc06_062223004
Analyzed: 06/22/23 12:49

#	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	4.33	4.09
		LOWER LIMIT	4.13	3.89
		UPPER LIMIT	4.53	4.29
012	BLANK	QC1074812	4.32	4.09
013	BS	QC1074813	4.32	4.09
014	BSD	QC1074814	4.32	4.09
015	SAMPLE	487140-001	4.32	4.09
016	SAMPLE	487140-003	4.32	4.09
017	SAMPLE	487140-005	4.32	4.09
018	SAMPLE	487140-007	4.32	4.09
019	SAMPLE	487140-008	4.32	4.09
020	SAMPLE	487140-010	4.32	4.09
021	SAMPLE	487140-011	4.32	4.09
022	SAMPLE	487140-013	4.32	4.09
023	SAMPLE	487140-016	4.32	4.09
026	BLANK	QC1075152	4.32	4.09
031	BS	QC1075157	4.32	4.09
032	BSD	QC1075158	4.32	4.09
034	SAMPLE	487185-002	4.32	4.09
035	SAMPLE	487186-002	4.32	4.09
036	SAMPLE	487188-002	4.32	4.09
037	SAMPLE	487207-002	4.32	4.09

Date: 06/22/23
Sequence: SVOA-GC06 gc06_062223

Reference: gc06_062223039
Analyzed: 06/22/23 22:45

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	9928546	3478696
		LOWER LIMIT	4964273	1739348
		UPPER LIMIT	19857092	6957391
044	SAMPLE	487140-018	10567080	3684116
045	SAMPLE	487140-020	9607125	3388296
046	SAMPLE	487140-023	9581226	3386813
047	SAMPLE	487142-001	9255580	3297815
048	SAMPLE	487142-003	10351832	3292293
049	SAMPLE	487142-005	10767281	3529840
050	SAMPLE	487142-007	10721679	2971141
051	SAMPLE	487142-009	10052778	2914574
052	SAMPLE	487142-011	10595363	2778666
053	SAMPLE	487142-013	10629966	2809357
054	SAMPLE	487142-015	10805317	2779163
055	BLANK	QC1075027	9521437	3038972
056	BS	QC1075028	9785302	3346762
057	BSD	QC1075029	9814325	3479011
058	SAMPLE	487142-017	9475336	3282859
059	SAMPLE	487142-019	10179560	3572300
060	SAMPLE	487142-021	9635029	3323309
061	SAMPLE	487142-024	9942905	3418470
062	SAMPLE	487142-025	10110686	3489069
063	SAMPLE	487142-027	9934315	3468613
064	SAMPLE	487142-029	9395435	3286098

Date: 06/22/23
Sequence: SVOA-GC06 gc06_062223

Reference: gc06_062223039
Analyzed: 06/22/23 22:45

#	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	4.32	4.09
		LOWER LIMIT	4.12	3.89
		UPPER LIMIT	4.52	4.29
044	SAMPLE	487140-018	4.32	4.09
045	SAMPLE	487140-020	4.32	4.09
046	SAMPLE	487140-023	4.32	4.09
047	SAMPLE	487142-001	4.32	4.09
048	SAMPLE	487142-003	4.32	4.09
049	SAMPLE	487142-005	4.32	4.09
050	SAMPLE	487142-007	4.32	4.09
051	SAMPLE	487142-009	4.32	4.09
052	SAMPLE	487142-011	4.32	4.09
053	SAMPLE	487142-013	4.32	4.09
054	SAMPLE	487142-015	4.32	4.09
055	BLANK	QC1075027	4.32	4.09
056	BS	QC1075028	4.32	4.09
057	BSD	QC1075029	4.32	4.09
058	SAMPLE	487142-017	4.32	4.09
059	SAMPLE	487142-019	4.32	4.09
060	SAMPLE	487142-021	4.32	4.09
061	SAMPLE	487142-024	4.32	4.09
062	SAMPLE	487142-025	4.32	4.09
063	SAMPLE	487142-027	4.32	4.09
064	SAMPLE	487142-029	4.32	4.09

Instrument: SVOA-GC06					Begun: 05/22/23 20:06				
Method: EPA 8082									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
020	gc06_052223020	ICAL				05/22/23 20:06	1.0	1	
021	gc06_052223021	ICAL				05/22/23 20:24	1.0	2	
022	gc06_052223022	ICAL				05/22/23 20:43	1.0	3	
023	gc06_052223023	ICAL				05/22/23 21:01	1.0	4	
024	gc06_052223024	ICAL				05/22/23 21:19	1.0	5	
025	gc06_052223025	ICAL				05/22/23 21:38	1.0	6	
026	gc06_052223026	ICAL				05/22/23 21:56	1.0	7	
027	gc06_052223027	ICAL				05/22/23 22:14	1.0	8	
028	gc06_052223028	ICAL				05/22/23 22:33	1.0	9	
029	gc06_052223029	ICAL				05/22/23 22:51	1.0	10	
031	gc06_052223031	ICV				05/22/23 23:27	1.0	11	

TRN 05/23/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 20 through 31.

Standards Used:

1=S18179 2=S18180 3=S18181 4=S18182 5=S18183 6=S18184 7=S18185 8=S18186 9=S18187 10=S18188 11=S18189

Instrument: SVOA-GC06
Method: EPA 8081A, EPA 8082

Begun: 06/22/23 12:12

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
002	gc06_062223002	PEM				06/22/23 12:12	1.0	1	
003	gc06_062223003	CCV				06/22/23 12:31	1.0	2	
004	gc06_062223004	CCV				06/22/23 12:49	1.0	3	
012	gc06_062223012	BLANK	QC1074812	Wipe	316643	06/22/23 14:25	1.0	4	
013	gc06_062223013	BS	QC1074813	Wipe	316643	06/22/23 14:44	1.0	4	
014	gc06_062223014	BSD	QC1074814	Wipe	316643	06/22/23 15:02	1.0	4	
015	gc06_062223015	SAMPLE	487140-001	Wipe	316643	06/22/23 15:21	1.0	4	
016	gc06_062223016	SAMPLE	487140-003	Wipe	316643	06/22/23 15:39	1.0	4	
017	gc06_062223017	SAMPLE	487140-005	Wipe	316643	06/22/23 15:58	1.0	4	
018	gc06_062223018	SAMPLE	487140-007	Wipe	316643	06/22/23 16:16	1.0	4	
019	gc06_062223019	SAMPLE	487140-008	Wipe	316643	06/22/23 16:34	1.0	4	
020	gc06_062223020	SAMPLE	487140-010	Wipe	316643	06/22/23 16:52	1.0	4	
021	gc06_062223021	SAMPLE	487140-011	Wipe	316643	06/22/23 17:11	1.0	4	
022	gc06_062223022	SAMPLE	487140-013	Wipe	316643	06/22/23 17:29	1.0	4	
023	gc06_062223023	SAMPLE	487140-016	Wipe	316643	06/22/23 17:48	1.0	4	
024	gc06_062223024	ICAL				06/22/23 18:07	1.0	5	
026	gc06_062223026	BLANK	QC1075152	Water	316716	06/22/23 18:43	1.0	4	
027	gc06_062223027	BS	QC1075153	Water	316716	06/22/23 19:02	1.0	4	
028	gc06_062223028	BSD	QC1075154	Water	316716	06/22/23 19:20	1.0	4	
029	gc06_062223029	BLANK	QC1075155	TCLP Leachate	316716	06/22/23 19:39	1.0	4	
030	gc06_062223030	SSPIKE	QC1075156	TCLP Leachate	316716	06/22/23 19:57	1.0	4	
031	gc06_062223031	BS	QC1075157	Water	316716	06/22/23 20:16	1.0	4	
032	gc06_062223032	BSD	QC1075158	Water	316716	06/22/23 20:34	1.0	4	
033	gc06_062223033	MSS	487016-001	TCLP Leachate	316716	06/22/23 20:53	1.0	4	
034	gc06_062223034	SAMPLE	487185-002	Water	316716	06/22/23 21:12	1.0	4	2:PCB1016#5=2600
035	gc06_062223035	SAMPLE	487186-002	Water	316716	06/22/23 21:31	1.0	4	2:PCB1016#5=3400

Instrument: SVOA-GC06 Method: EPA 8081A, EPA 8082									
Begun: 06/22/23 12:12									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
036	gc06_062223036	SAMPLE	487188-002	Water	316716	06/22/23 21:50	1.0	4	2:PCB1016#5=5800
037	gc06_062223037	SAMPLE	487207-002	Water	316716	06/22/23 22:08	1.0	4	
038	gc06_062223038	CCV				06/22/23 22:26	1.0	2	
039	gc06_062223039	CCV				06/22/23 22:45	1.0	3	
044	gc06_062223044	SAMPLE	487140-018	Wipe	316643	06/23/23 00:17	1.0	4	
045	gc06_062223045	SAMPLE	487140-020	Wipe	316643	06/23/23 00:35	1.0	4	
046	gc06_062223046	SAMPLE	487140-023	Wipe	316643	06/23/23 00:54	1.0	4	
047	gc06_062223047	SAMPLE	487142-001	Wipe	316643	06/23/23 01:12	1.0	4	
048	gc06_062223048	SAMPLE	487142-003	Wipe	316643	06/23/23 01:30	1.0	4	
049	gc06_062223049	SAMPLE	487142-005	Wipe	316643	06/23/23 01:48	1.0	4	
050	gc06_062223050	SAMPLE	487142-007	Wipe	316643	06/23/23 02:07	1.0	4	
051	gc06_062223051	SAMPLE	487142-009	Wipe	316643	06/23/23 02:25	1.0	4	
052	gc06_062223052	SAMPLE	487142-011	Wipe	316643	06/23/23 02:43	1.0	4	
053	gc06_062223053	SAMPLE	487142-013	Wipe	316643	06/23/23 03:02	1.0	4	
054	gc06_062223054	SAMPLE	487142-015	Wipe	316643	06/23/23 03:20	1.0	4	
055	gc06_062223055	BLANK	QC1075027	Wipe	316706	06/23/23 03:38	1.0	4	
056	gc06_062223056	BS	QC1075028	Wipe	316706	06/23/23 03:57	1.0	4	
057	gc06_062223057	BSD	QC1075029	Wipe	316706	06/23/23 04:15	1.0	4	
058	gc06_062223058	SAMPLE	487142-017	Wipe	316706	06/23/23 04:33	1.0	4	
059	gc06_062223059	SAMPLE	487142-019	Wipe	316706	06/23/23 04:52	1.0	4	
060	gc06_062223060	SAMPLE	487142-021	Wipe	316706	06/23/23 05:10	1.0	4	
061	gc06_062223061	SAMPLE	487142-024	Wipe	316706	06/23/23 05:28	1.0	4	
062	gc06_062223062	SAMPLE	487142-025	Wipe	316706	06/23/23 05:46	1.0	4	
063	gc06_062223063	SAMPLE	487142-027	Wipe	316706	06/23/23 06:05	1.0	4	
064	gc06_062223064	SAMPLE	487142-029	Wipe	316706	06/23/23 06:23	1.0	4	

Instrument: SVOA-GC06

Begun: 06/22/23 12:12

Method: EPA 8081A, EPA 8082

*Standards Used:**1=S18206 2=S18510 3=S18318 4=S18370 5=S18393*

SAMPLE PREPARATION SUMMARY

Batch #: 316643
Started By: KTJ

Method: 3546
Prep Date: 21-JUN-2023 14:53

Analysis: 8080
Finished By: KTJ

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18571	Spike S18530	Analysis
487140-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487140-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487140-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487140-007	Wipe	1.1858061 dm2	10 mL	8.433		.5 mL		PCB-MICROWAVE
487140-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487140-010	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487140-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487140-013	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487140-016	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487140-018	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487140-020	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487140-023	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487142-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487142-003	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487142-005	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487142-007	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487142-009	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487142-011	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487142-013	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
487142-015	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
QC1074812 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1074813 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1074814 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080

Analyst: MES 06/23/23

Reviewer: MTS 06/27/23

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: wipes Date/Time: 06/21/2023 14:53 Initials: KJJ

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

608.3 QC Batch#: _____

Hotblock Temp (Obs/Corr), °C: _____

8081 QC Batch #: _____

Balance ID: NA Microdispenser ID: Syringes

8082 QC Batch #: 316643

Extraction Start Time*: 15:21 Extraction End time*: 16:06

* For hot block, microwave, shaker table

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	Extraction Equipment ID (Soc, Sonic, Chalon)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1 dm ²	NA	MICRO-00	TV05	10.0	
LCS 2		1 dm ²		-10			
LCS D ₂		1 dm ²		-11			
487140-001	A	1 dm ²		-12			
-003		1 dm ²		-13			
-005		1 dm ²		-14	↓		
-007		1 dm ²		-15	TV07		
-008		1 dm ²		-16			
-010		1 dm ²		-17			
-011		1 dm ²		-18			
-013		1 dm ²		-19			
-016		1 dm ²		-20	↓		
-018		1 dm ²		-21	TV08		
-020		1 dm ²		-22			
-023		1 dm ²		-23	↓		
487142-001		1 dm ²		-01	TV07		Microwave is failed, need to return
-003		1 dm ²		-02			start time: 16:30 end time
-005		1 dm ²		-03			17:17 at
-007		1 dm ²		-04			
-009		1 dm ²		-05			
-011		1 dm ²		-06	↓		
-013		1 dm ²		-07	TV05		
-015	✓	1 dm ²	✓	-08	↓	↓	

Methylene Chloride Lot: NA
 Exchange Solvent (Hexane) ID: S18544
 Acetone-Hexane Mix ID: _____
 Sodium Sulfate Lot: 213742
 Baked Sand Lot: NA

Surrogate ID: S18571 Volume: 500 µL
 Pest LCS Spike ID: _____ Volume: _____ µL
 PCB LCS Spike ID: S18530 Volume: 500 µL
 Pest MS/MSD Spike ID: _____ Volume: _____ µL
 PCB MS/MSD Spike ID: _____ Volume: _____ µL

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: swipes Date/Time: 06/21/2023 14:53 Initials: LTJ
 Hotblock ID: _____ Therm Loc: _____ Therm ID/CF: _____ / _____ 608.3 QC Batch#: _____
 Hotblock Temp (Obs/Corr), °C: _____ / _____ 8081 QC Batch #: _____
 Balance ID: NA Microdispenser ID: Synages 8082 QC Batch #: 316643
 Extraction Start Time*: 15:21 Extraction end time*: 16:06
 *For hot block, microwave, shaker table

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic, Chilled)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1 dm ²	NA	Mic02-05	TV05	10.0		
LCS 2		1 dm ²		-10				
LCSD 2		1 dm ²		-11				
487140-001	A	1 dm ²		-12				
-003		1 dm ²		-13				
-005		1 dm ²		-14	↓			
-007		1 dm ²		-15	TV07			1.1858061 dm ² 0127123
-008		1 dm ²		-16				
-010		1 dm ²		-17				
-011		1 dm ²		-18				
-013		1 dm ²		-19				
-016		1 dm ²		-20	↓			
-018		1 dm ²		-21	TV08			
-020		1 dm ²		-22				
-023		1 dm ²		-23	↓			
487142-001		1 dm ²		-01	TV07			Microwave is failed, need to reheat
-003		1 dm ²		-02				start time: 16:30 end time
-005		1 dm ²		-03				17:17 at
-007		1 dm ²		-04				
-009		1 dm ²		-05				
-011		1 dm ²		-06	↓			
-013		1 dm ²		-07	TV05			
-015	✓	1 dm ²	✓	-08	↓	↓		↓

Mic02-09
11
13
15
17
19
21
23

Methylene Chloride Lot: NA
 Exchange Solvent (Hexane) ID: S18544
 Acetone-Hexane Mix ID: _____
 Sodium Sulfate Lot: 213742
 Baked Sand Lot: NA

Surrogate ID: S18571 Volume: 500 µL
 Pest LCS Spike ID: _____ Volume: _____ µL
 PCB LCS Spike ID: S18530 Volume: 500 µL
 Pest MS/MSD Spike ID: _____ Volume: _____ µL
 PCB MS/MSD Spike ID: _____ Volume: _____ µL

REPORTING SUMMARY FOR 487140 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
487140-001	Aroclor-1016	SVOA-GC06	B	06/22/23 15:21
487140-001	Aroclor-1221	SVOA-GC06	B	06/22/23 15:21
487140-001	Aroclor-1232	SVOA-GC06	B	06/22/23 15:21
487140-001	Aroclor-1242	SVOA-GC06	B	06/22/23 15:21
487140-001	Aroclor-1248	SVOA-GC06	B	06/22/23 15:21
487140-001	Aroclor-1254	SVOA-GC06	B	06/22/23 15:21
487140-001	Aroclor-1260	SVOA-GC06	B	06/22/23 15:21
487140-001	Aroclor-1262	SVOA-GC06	B	06/22/23 15:21
487140-001	Aroclor-1268	SVOA-GC06	B	06/22/23 15:21
487140-001	TCMX (PCB)	SVOA-GC06	B	06/22/23 15:21
487140-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 15:21
487140-003	Aroclor-1016	SVOA-GC06	B	06/22/23 15:39
487140-003	Aroclor-1221	SVOA-GC06	B	06/22/23 15:39
487140-003	Aroclor-1232	SVOA-GC06	B	06/22/23 15:39
487140-003	Aroclor-1242	SVOA-GC06	B	06/22/23 15:39
487140-003	Aroclor-1248	SVOA-GC06	B	06/22/23 15:39
487140-003	Aroclor-1254	SVOA-GC06	B	06/22/23 15:39
487140-003	Aroclor-1260	SVOA-GC06	B	06/22/23 15:39
487140-003	Aroclor-1262	SVOA-GC06	B	06/22/23 15:39
487140-003	Aroclor-1268	SVOA-GC06	B	06/22/23 15:39
487140-003	TCMX (PCB)	SVOA-GC06	B	06/22/23 15:39
487140-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 15:39
487140-005	Aroclor-1016	SVOA-GC06	B	06/22/23 15:58
487140-005	Aroclor-1221	SVOA-GC06	B	06/22/23 15:58
487140-005	Aroclor-1232	SVOA-GC06	B	06/22/23 15:58
487140-005	Aroclor-1242	SVOA-GC06	B	06/22/23 15:58
487140-005	Aroclor-1248	SVOA-GC06	B	06/22/23 15:58
487140-005	Aroclor-1254	SVOA-GC06	B	06/22/23 15:58
487140-005	Aroclor-1260	SVOA-GC06	B	06/22/23 15:58

REPORTING SUMMARY FOR 487140 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
487140-005	Aroclor-1262	SVOA-GC06	B	06/22/23 15:58
487140-005	Aroclor-1268	SVOA-GC06	B	06/22/23 15:58
487140-005	TCMX (PCB)	SVOA-GC06	B	06/22/23 15:58
487140-005	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 15:58
487140-007	Aroclor-1016	SVOA-GC06	B	06/22/23 16:16
487140-007	Aroclor-1221	SVOA-GC06	B	06/22/23 16:16
487140-007	Aroclor-1232	SVOA-GC06	B	06/22/23 16:16
487140-007	Aroclor-1242	SVOA-GC06	B	06/22/23 16:16
487140-007	Aroclor-1248	SVOA-GC06	B	06/22/23 16:16
487140-007	Aroclor-1254	SVOA-GC06	B	06/22/23 16:16
487140-007	Aroclor-1260	SVOA-GC06	B	06/22/23 16:16
487140-007	Aroclor-1262	SVOA-GC06	B	06/22/23 16:16
487140-007	Aroclor-1268	SVOA-GC06	B	06/22/23 16:16
487140-007	TCMX (PCB)	SVOA-GC06	B	06/22/23 16:16
487140-007	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 16:16
487140-008	Aroclor-1016	SVOA-GC06	B	06/22/23 16:34
487140-008	Aroclor-1221	SVOA-GC06	B	06/22/23 16:34
487140-008	Aroclor-1232	SVOA-GC06	B	06/22/23 16:34
487140-008	Aroclor-1242	SVOA-GC06	B	06/22/23 16:34
487140-008	Aroclor-1248	SVOA-GC06	B	06/22/23 16:34
487140-008	Aroclor-1254	SVOA-GC06	B	06/22/23 16:34
487140-008	Aroclor-1260	SVOA-GC06	B	06/22/23 16:34
487140-008	Aroclor-1262	SVOA-GC06	B	06/22/23 16:34
487140-008	Aroclor-1268	SVOA-GC06	B	06/22/23 16:34
487140-008	TCMX (PCB)	SVOA-GC06	B	06/22/23 16:34
487140-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 16:34
487140-010	Aroclor-1016	SVOA-GC06	B	06/22/23 16:52
487140-010	Aroclor-1221	SVOA-GC06	B	06/22/23 16:52

REPORTING SUMMARY FOR 487140 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
487140-010	Aroclor-1232	SVOA-GC06	B	06/22/23 16:52
487140-010	Aroclor-1242	SVOA-GC06	B	06/22/23 16:52
487140-010	Aroclor-1248	SVOA-GC06	B	06/22/23 16:52
487140-010	Aroclor-1254	SVOA-GC06	B	06/22/23 16:52
487140-010	Aroclor-1260	SVOA-GC06	B	06/22/23 16:52
487140-010	Aroclor-1262	SVOA-GC06	B	06/22/23 16:52
487140-010	Aroclor-1268	SVOA-GC06	B	06/22/23 16:52
487140-010	TCMX (PCB)	SVOA-GC06	B	06/22/23 16:52
487140-010	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 16:52
487140-011	Aroclor-1016	SVOA-GC06	B	06/22/23 17:11
487140-011	Aroclor-1221	SVOA-GC06	B	06/22/23 17:11
487140-011	Aroclor-1232	SVOA-GC06	B	06/22/23 17:11
487140-011	Aroclor-1242	SVOA-GC06	B	06/22/23 17:11
487140-011	Aroclor-1248	SVOA-GC06	B	06/22/23 17:11
487140-011	Aroclor-1254	SVOA-GC06	B	06/22/23 17:11
487140-011	Aroclor-1260	SVOA-GC06	B	06/22/23 17:11
487140-011	Aroclor-1262	SVOA-GC06	B	06/22/23 17:11
487140-011	Aroclor-1268	SVOA-GC06	B	06/22/23 17:11
487140-011	TCMX (PCB)	SVOA-GC06	B	06/22/23 17:11
487140-011	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 17:11
487140-013	Aroclor-1016	SVOA-GC06	B	06/22/23 17:29
487140-013	Aroclor-1221	SVOA-GC06	B	06/22/23 17:29
487140-013	Aroclor-1232	SVOA-GC06	B	06/22/23 17:29
487140-013	Aroclor-1242	SVOA-GC06	B	06/22/23 17:29
487140-013	Aroclor-1248	SVOA-GC06	B	06/22/23 17:29
487140-013	Aroclor-1254	SVOA-GC06	B	06/22/23 17:29
487140-013	Aroclor-1260	SVOA-GC06	B	06/22/23 17:29
487140-013	Aroclor-1262	SVOA-GC06	B	06/22/23 17:29
487140-013	Aroclor-1268	SVOA-GC06	B	06/22/23 17:29

REPORTING SUMMARY FOR 487140 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
487140-013	TCMX (PCB)	SVOA-GC06	B	06/22/23 17:29
487140-013	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 17:29
487140-016	Aroclor-1016	SVOA-GC06	B	06/22/23 17:48
487140-016	Aroclor-1221	SVOA-GC06	B	06/22/23 17:48
487140-016	Aroclor-1232	SVOA-GC06	B	06/22/23 17:48
487140-016	Aroclor-1242	SVOA-GC06	B	06/22/23 17:48
487140-016	Aroclor-1248	SVOA-GC06	B	06/22/23 17:48
487140-016	Aroclor-1254	SVOA-GC06	B	06/22/23 17:48
487140-016	Aroclor-1260	SVOA-GC06	B	06/22/23 17:48
487140-016	Aroclor-1262	SVOA-GC06	B	06/22/23 17:48
487140-016	Aroclor-1268	SVOA-GC06	B	06/22/23 17:48
487140-016	TCMX (PCB)	SVOA-GC06	B	06/22/23 17:48
487140-016	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 17:48
487140-018	Aroclor-1016	SVOA-GC06	B	06/23/23 00:17
487140-018	Aroclor-1221	SVOA-GC06	B	06/23/23 00:17
487140-018	Aroclor-1232	SVOA-GC06	B	06/23/23 00:17
487140-018	Aroclor-1242	SVOA-GC06	B	06/23/23 00:17
487140-018	Aroclor-1248	SVOA-GC06	B	06/23/23 00:17
487140-018	Aroclor-1254	SVOA-GC06	B	06/23/23 00:17
487140-018	Aroclor-1260	SVOA-GC06	B	06/23/23 00:17
487140-018	Aroclor-1262	SVOA-GC06	B	06/23/23 00:17
487140-018	Aroclor-1268	SVOA-GC06	B	06/23/23 00:17
487140-018	TCMX (PCB)	SVOA-GC06	B	06/23/23 00:17
487140-018	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/23/23 00:17
487140-020	Aroclor-1016	SVOA-GC06	B	06/23/23 00:35
487140-020	Aroclor-1221	SVOA-GC06	B	06/23/23 00:35
487140-020	Aroclor-1232	SVOA-GC06	B	06/23/23 00:35
487140-020	Aroclor-1242	SVOA-GC06	B	06/23/23 00:35

REPORTING SUMMARY FOR 487140 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
487140-020	Aroclor-1248	SVOA-GC06	B	06/23/23 00:35
487140-020	Aroclor-1254	SVOA-GC06	B	06/23/23 00:35
487140-020	Aroclor-1260	SVOA-GC06	B	06/23/23 00:35
487140-020	Aroclor-1262	SVOA-GC06	B	06/23/23 00:35
487140-020	Aroclor-1268	SVOA-GC06	B	06/23/23 00:35
487140-020	TCMX (PCB)	SVOA-GC06	B	06/23/23 00:35
487140-020	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/23/23 00:35
487140-023	Aroclor-1016	SVOA-GC06	B	06/23/23 00:54
487140-023	Aroclor-1221	SVOA-GC06	B	06/23/23 00:54
487140-023	Aroclor-1232	SVOA-GC06	B	06/23/23 00:54
487140-023	Aroclor-1242	SVOA-GC06	B	06/23/23 00:54
487140-023	Aroclor-1248	SVOA-GC06	B	06/23/23 00:54
487140-023	Aroclor-1254	SVOA-GC06	B	06/23/23 00:54
487140-023	Aroclor-1260	SVOA-GC06	B	06/23/23 00:54
487140-023	Aroclor-1262	SVOA-GC06	B	06/23/23 00:54
487140-023	Aroclor-1268	SVOA-GC06	B	06/23/23 00:54
487140-023	TCMX (PCB)	SVOA-GC06	B	06/23/23 00:54
487140-023	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/23/23 00:54
QC1074812	Aroclor-1016	SVOA-GC06	B	06/22/23 14:25
QC1074812	Aroclor-1221	SVOA-GC06	B	06/22/23 14:25
QC1074812	Aroclor-1232	SVOA-GC06	B	06/22/23 14:25
QC1074812	Aroclor-1242	SVOA-GC06	B	06/22/23 14:25
QC1074812	Aroclor-1248	SVOA-GC06	B	06/22/23 14:25
QC1074812	Aroclor-1254	SVOA-GC06	B	06/22/23 14:25
QC1074812	Aroclor-1260	SVOA-GC06	B	06/22/23 14:25
QC1074812	Aroclor-1262	SVOA-GC06	B	06/22/23 14:25
QC1074812	Aroclor-1268	SVOA-GC06	B	06/22/23 14:25
QC1074812	TCMX (PCB)	SVOA-GC06	B	06/22/23 14:25
QC1074812	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 14:25

REPORTING SUMMARY FOR 487140 PCBs Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1074813	Aroclor-1016	SVOA-GC06	B	06/22/23 14:44
QC1074813	Aroclor-1260	SVOA-GC06	B	06/22/23 14:44
QC1074813	TCMX (PCB)	SVOA-GC06	B	06/22/23 14:44
QC1074813	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 14:44
QC1074814	Aroclor-1016	SVOA-GC06	B	06/22/23 15:02
QC1074814	Aroclor-1260	SVOA-GC06	B	06/22/23 15:02
QC1074814	TCMX (PCB)	SVOA-GC06	B	06/22/23 15:02
QC1074814	Decachlorobiphenyl (PCB)	SVOA-GC06	B	06/22/23 15:02

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-001	Client ID: ARCH-C6W-EXT-1 TO 2-230619-P-WF
Seqnum: 453249852015.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223015	Batch: 316643	Time: 22-JUN-2023 15:21
Cal: 453205686001	Caldate: 22-MAY-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	148.5	1.5 FP	1.4	7%	0.50		x u
Aroclor-1016 Peak # 1	B	41.74	0.42	0.16	91%			
Aroclor-1016 Peak # 2	B	112.9	1.13	0.50	77%			
Aroclor-1016 Peak # 3	B	100.2	1.00	1.02	1%			
Aroclor-1016 Peak # 4	B	10.52	0.11	4.87	192%			
Aroclor-1016 Peak # 5	B	477.2	4.77	0.35	173%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	25.00	ND	0.83	108%	0.50		u
Aroclor-1260 Peak # 1	B	52.51	0.53	2.10	120%			
Aroclor-1260 Peak # 2	B	32.50	0.32	0.14	80%			
Aroclor-1260 Peak # 3	B	0	ND	0.38				
Aroclor-1260 Peak # 4	B	30.41	0.30	1.41	129%			
Aroclor-1260 Peak # 5	B	9.592	0.10	0.14	34%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.09	0.5000	0.3809	76	19-121	u
Decachlorobiphenyl (PCB)	B	46.58	0.5000	0.4658	93	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_062223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9777358	5.71
1-bromo-2-nitrobenzene (PCB)	A	3197195	3445084	7.75

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)

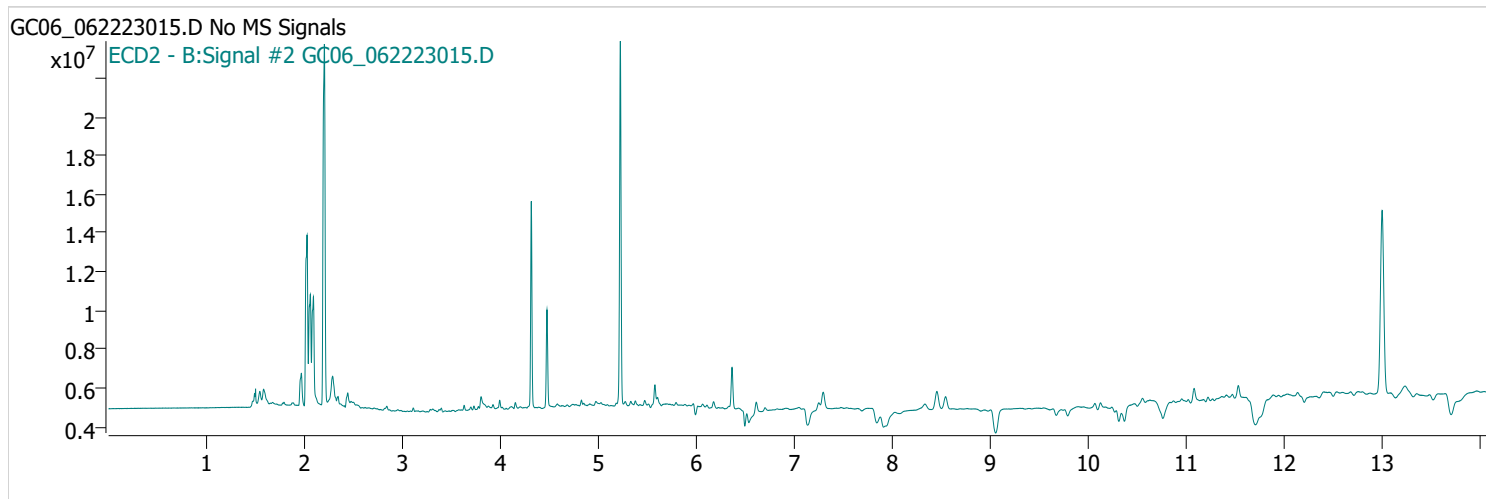
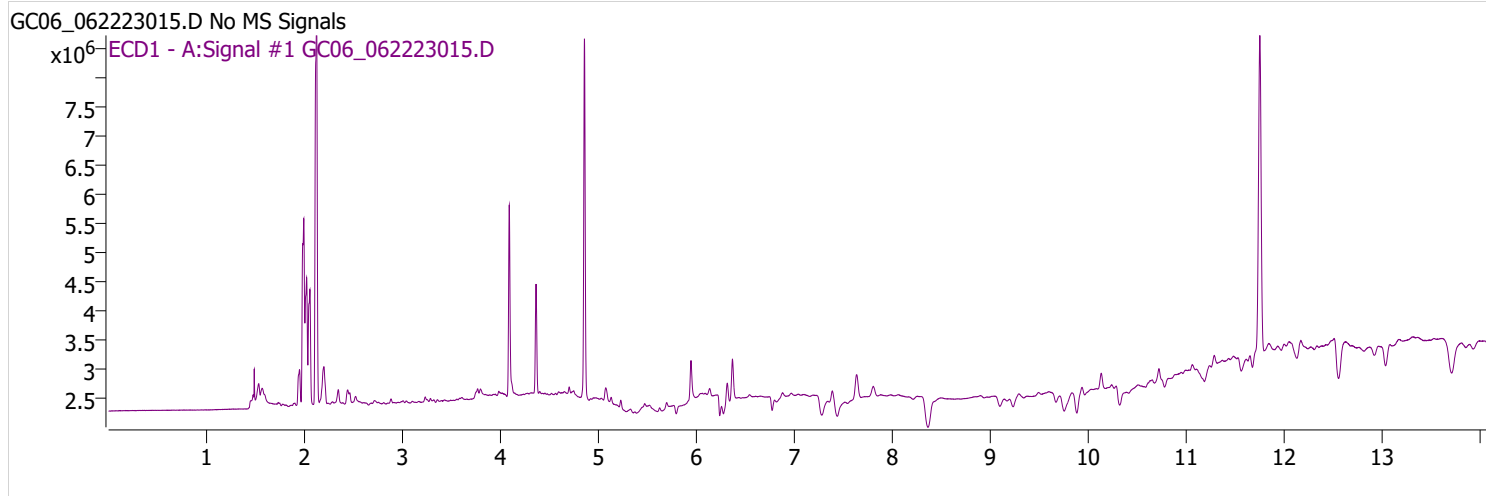
ISTD (CCV gc06_062223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_062223015.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 3:21:25 PM
Sample Name	487140-001, 316643, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	3445084.05 9	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9777357.56 6	20.0000	ng/ml	-0.016
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	6301765.32 9	34.3272	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.64%	*	
S TCMX (PCB) #2	5.228	0.0	19754599.6 77	38.0890	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.44%	*	
S Decachlorobiphenyl (PCB)	11.761	0.0	10753836.7 50	46.7787	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 233.89%	*	
S Decachlorobiphenyl (PCB) #2	13.010	0.0	24049912.1 95	46.5784	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 232.89%	*	

Target Compounds

QValue

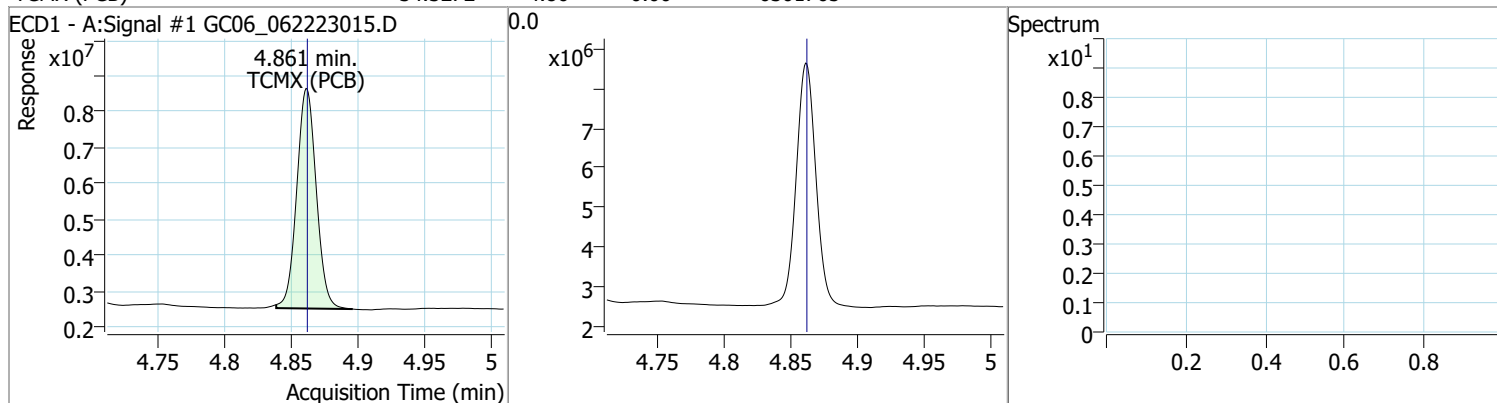
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.187	0.0	59757.278	15.5516	ng/ml	100
T AR1016 2	5.525	0.0	391572.303	50.1949	ng/ml	100
T AR1016 1 #2	5.693	0.0	425108.636	41.7427	ng/ml	100
T AR1016 3	5.949	0.0	1013926.369	101.6885	ng/ml	100
T AR1016 4	6.141	0.0	2927087.321	487.0501	ng/ml	100
T AR1016 2 #2	6.067	0.0	2583515.294	112.9316	ng/ml	100
T AR1016 5	6.262	0.0	160242.958	34.8632	ng/ml	100
T AR1016 3 #2	6.616	0.0	2759116.533	100.2313	ng/ml	100
T AR1016 4 #2	6.833	0.0	208478.442	10.5225	ng/ml	100
T AR1016 5 #2	7.049	0.0	5043095.713	477.1858	ng/ml	100
T AR1260 1	8.268	0.0	2393603.239	210.1022	ng/ml	100
T AR1260 2	8.902	0.0	242948.388	13.9691	ng/ml	100
T AR1260 3	9.297	0.0	699361.833	37.6330	ng/ml	100
T AR1260 1 #2	9.732	0.0	1447826.573	52.5069	ng/ml	100
T AR1260 4	9.842	0.0	1430339.400	141.2718	ng/ml	100
T AR1260 2 #2	9.963	0.0	1010376.468	32.4992	ng/ml	100
T AR1260 3 #2	0.000		0	N.D.		
T AR1260 5	10.517	0.0	216896.853	13.5484	ng/ml	100
T AR1260 4 #2	10.963	0.0	706756.517	30.4136	ng/ml	100
T AR1260 5 #2	11.479	0.0	323103.498	9.5926	ng/ml	100

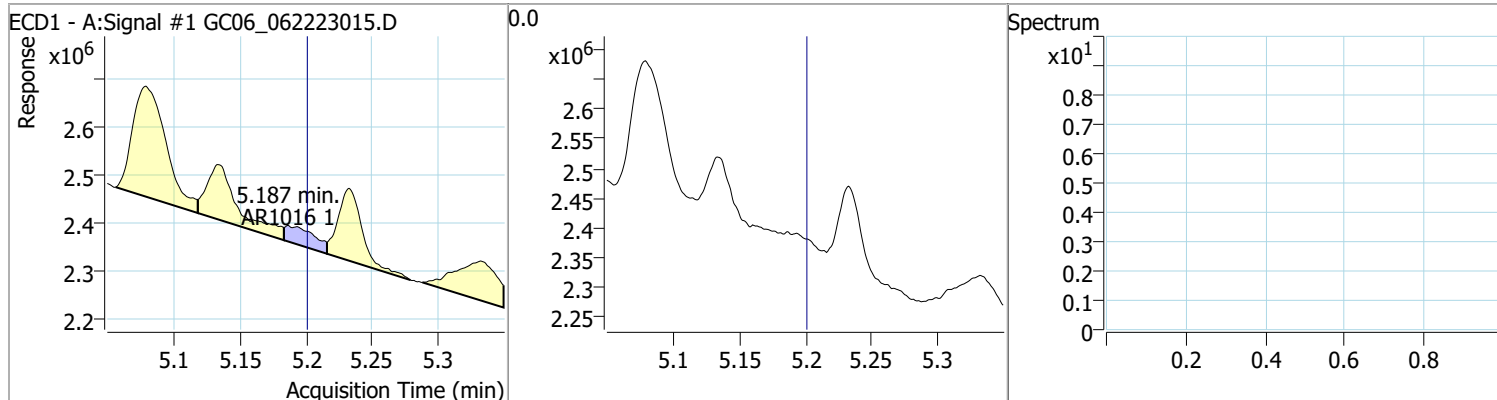
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

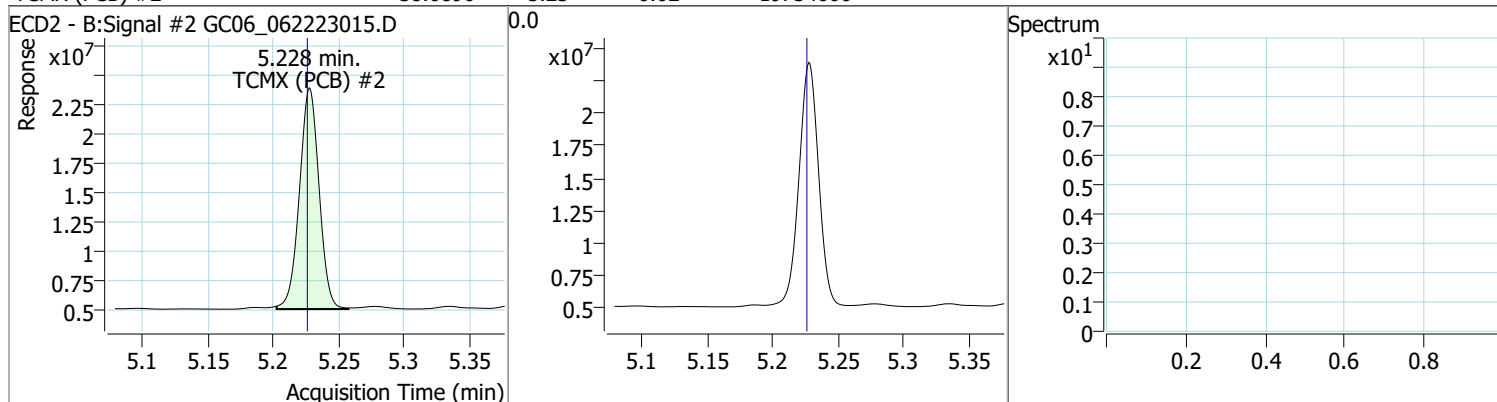
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.3272	4.86	0.00	6301765				



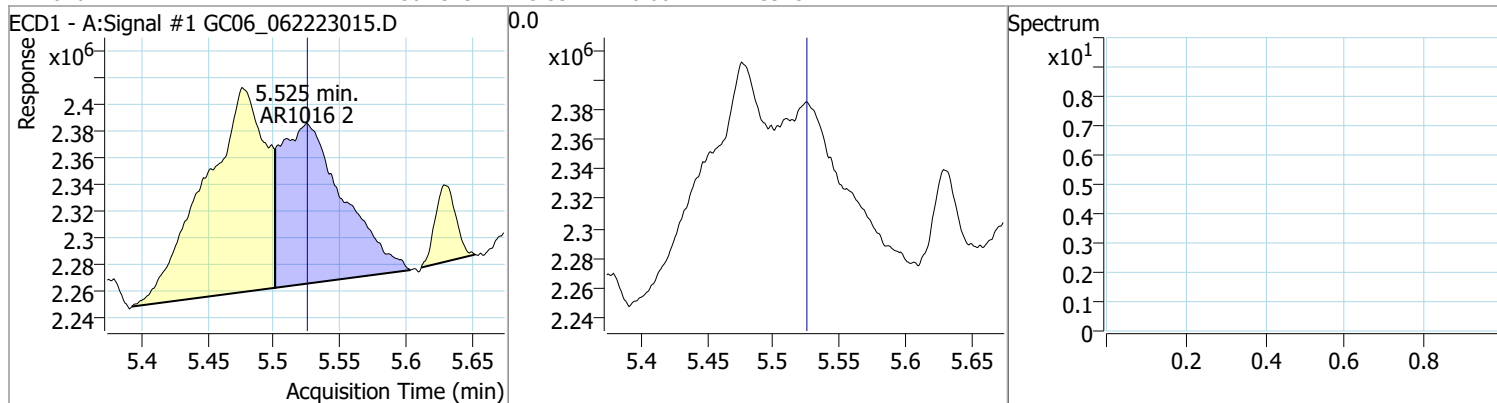
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	15.5516	5.19	-0.01	59757				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.0890	5.23	-0.02	19754600				

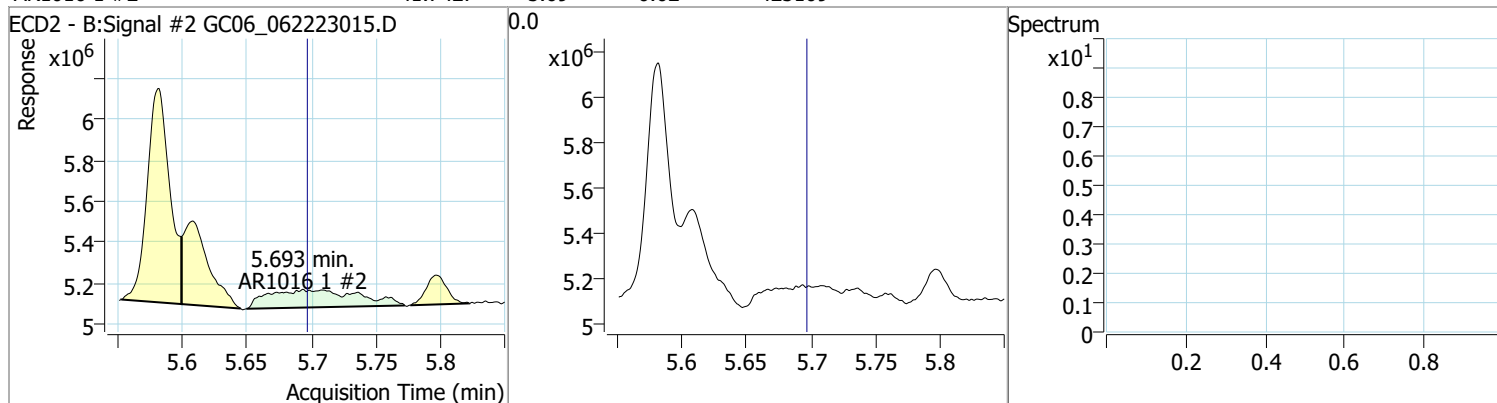


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	50.1949	5.53	0.00	391572				

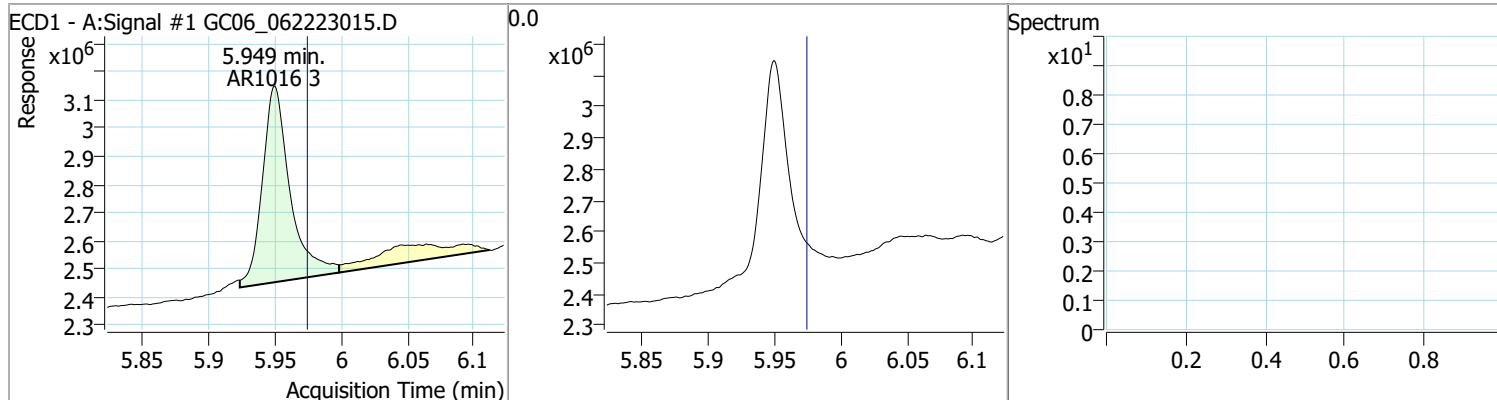


Quantitation Results Report (Not Reviewed)

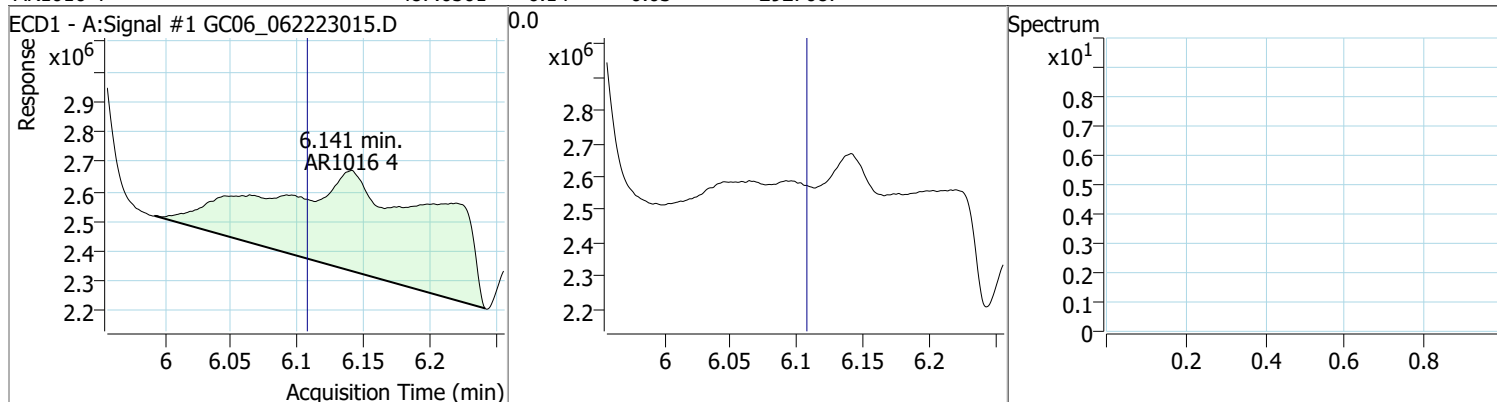
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	41.7427	5.69	-0.02	425109				



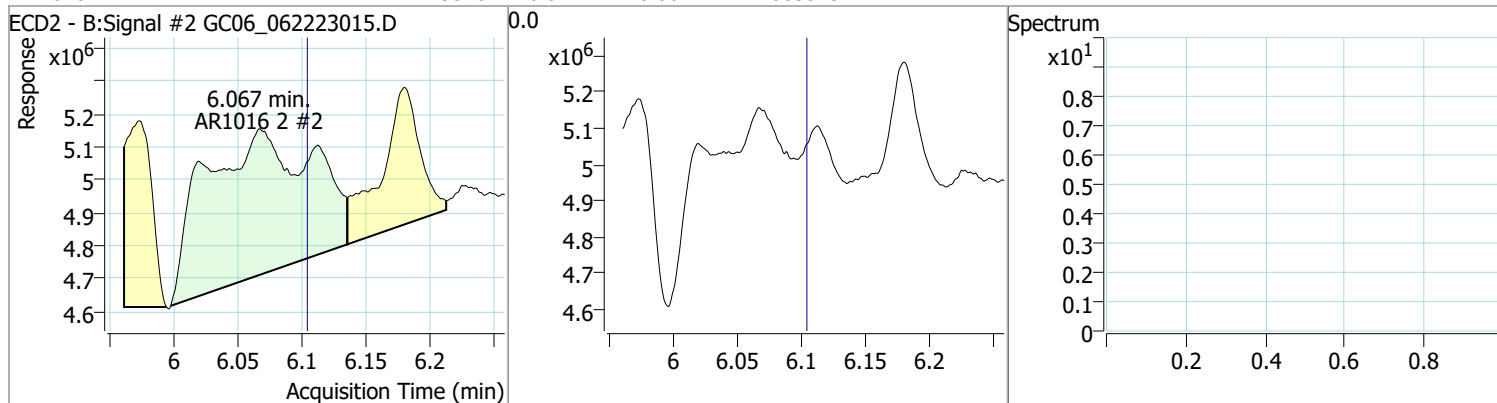
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	101.6885	5.95	-0.02	1013926				



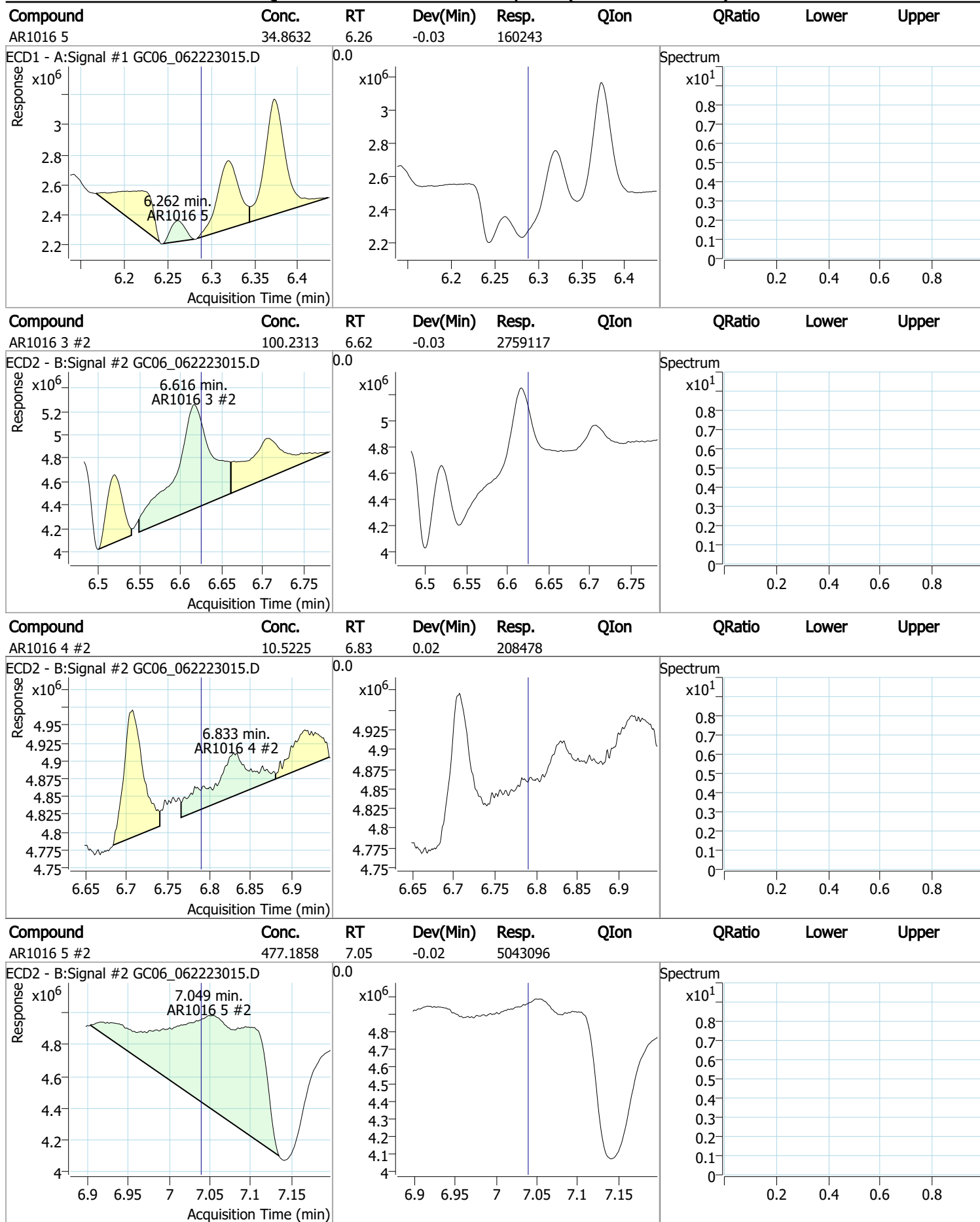
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	487.0501	6.14	0.03	2927087				



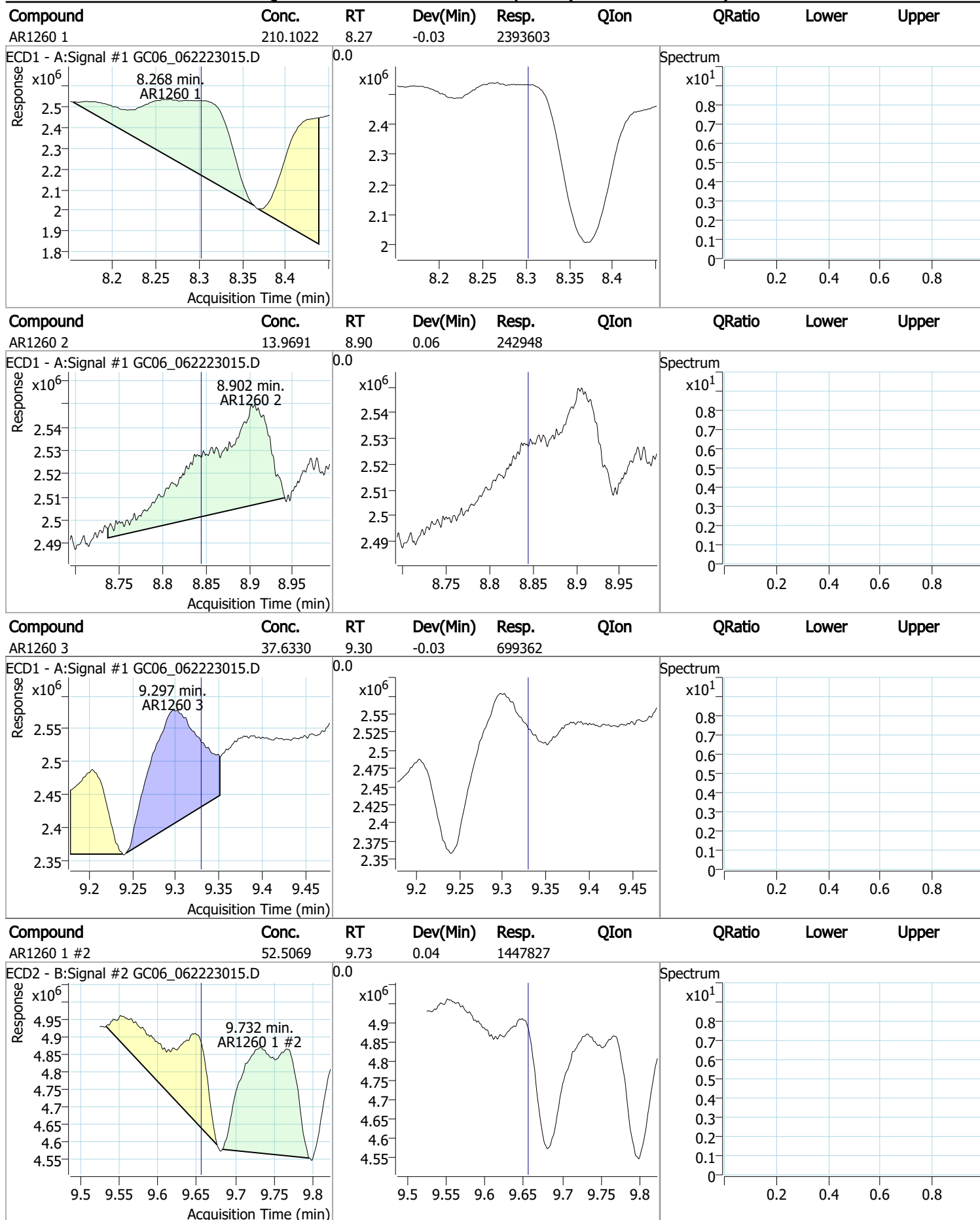
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	112.9316	6.07	-0.06	2583515				



Quantitation Results Report (Not Reviewed)

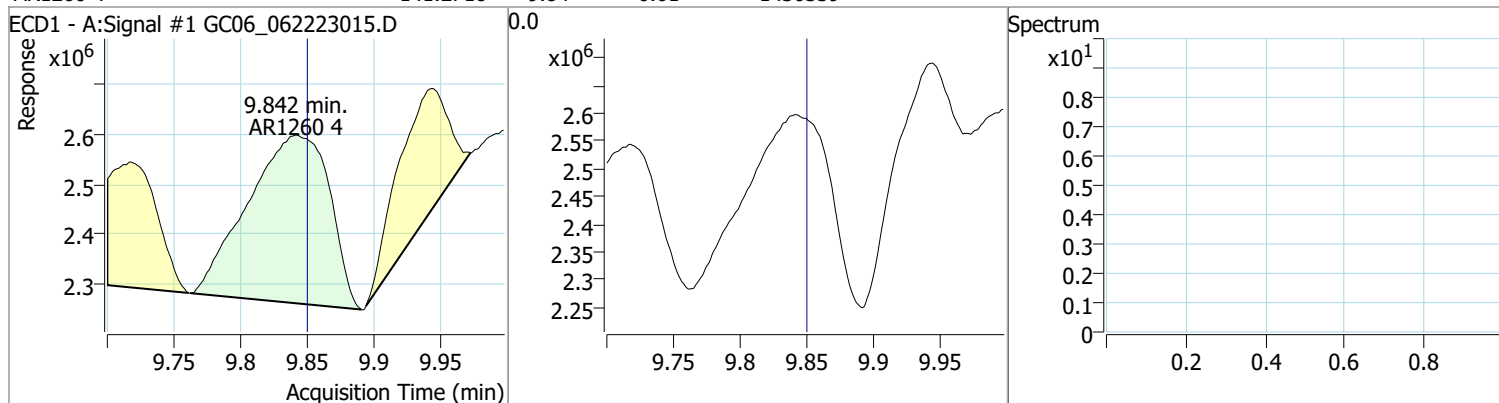


Quantitation Results Report (Not Reviewed)

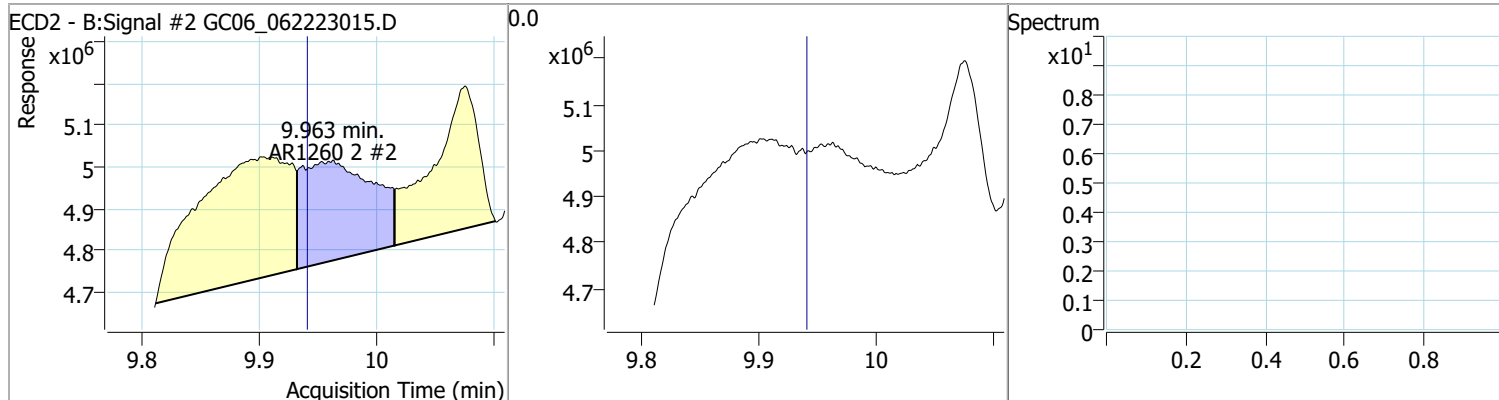


Quantitation Results Report (Not Reviewed)

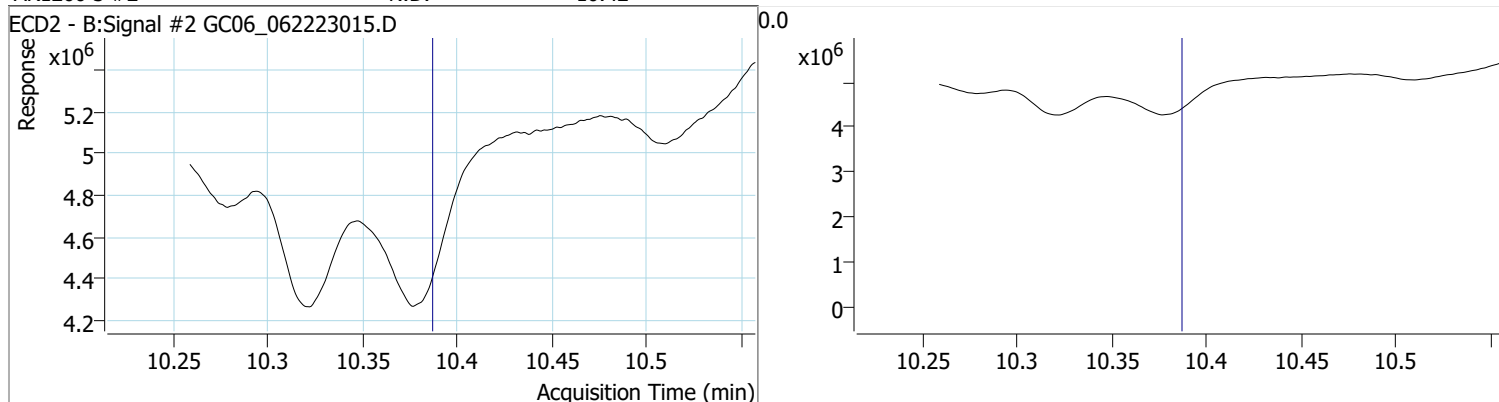
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	141.2718	9.84	-0.01	1430339				



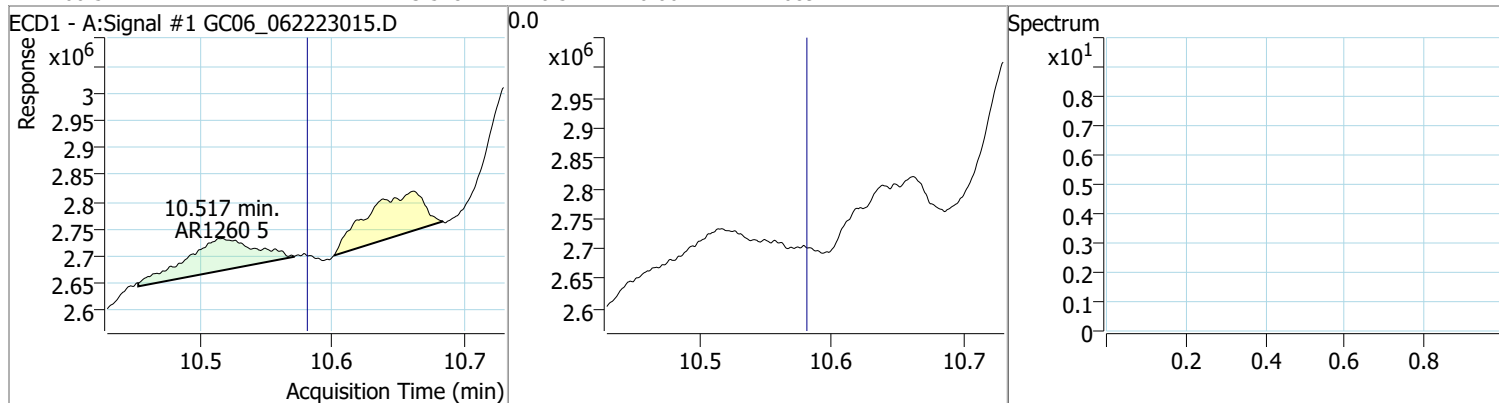
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	32.4992	9.96	-0.01	1010376				



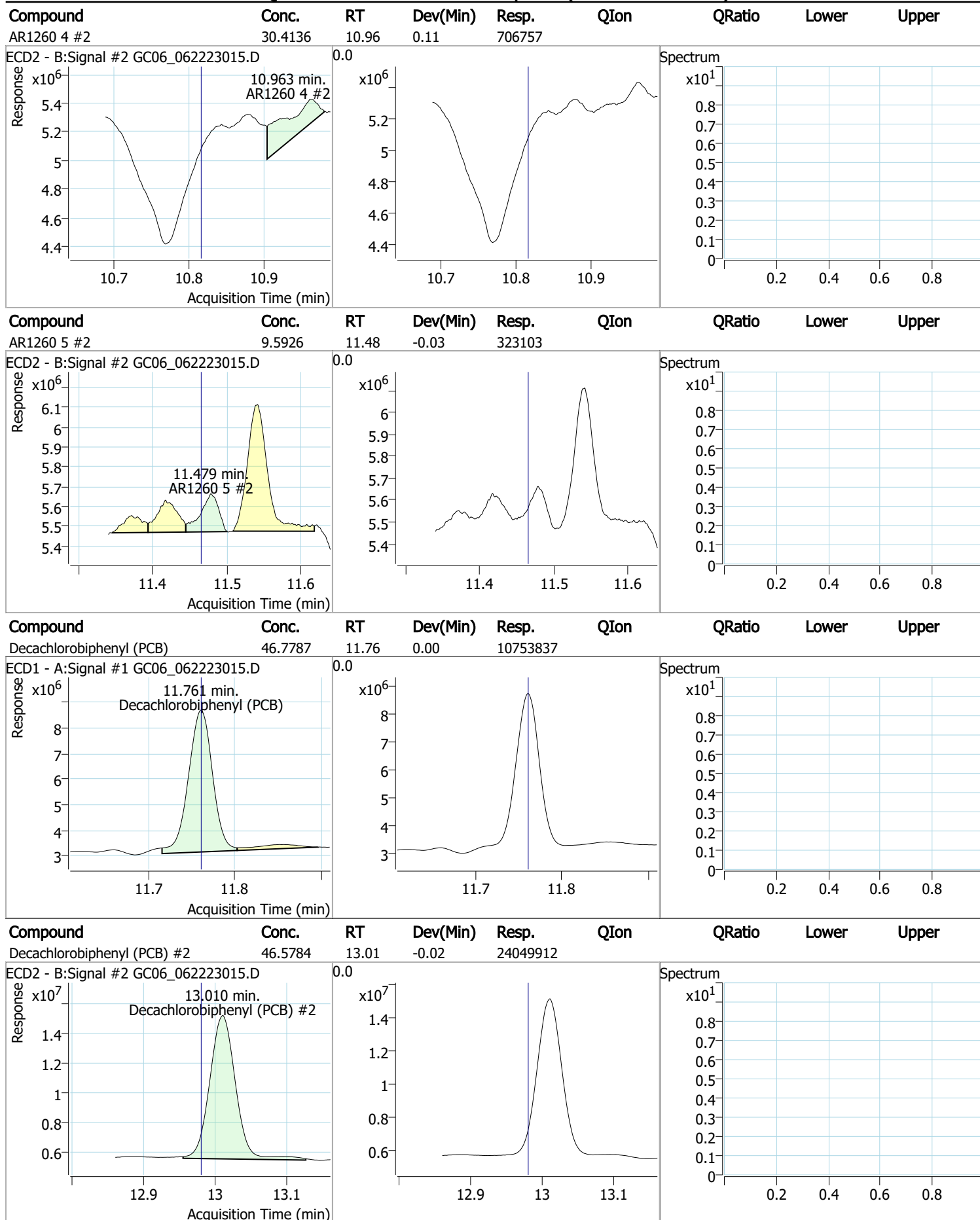
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3 #2	N.D.	10.42		



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	13.5484	10.52	-0.06	216897				



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-003	Client ID: ARCH-C7W-EXT-1 TO 2-230619-P-WF
Seqnum: 453249852016.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223016	Batch: 316643	Time: 22-JUN-2023 15:39
Cal: 453205686001	Caldate: 22-MAY-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	151.5	1.5 ^{FP}	1.6	5%	0.50		x u
Aroclor-1016 Peak # 1	B	46.18	0.46	0.37	21%			
Aroclor-1016 Peak # 2	B	115.4	1.15	0.83	32%			
Aroclor-1016 Peak # 3	B	99.24	0.99	1.86	61%			
Aroclor-1016 Peak # 4	B	11.15	0.11	4.55	190%			
Aroclor-1016 Peak # 5	B	485.4	4.85	0.32	175%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	24.96	ND	0.70	95%	0.50		u
Aroclor-1260 Peak # 1	B	23.37	0.23	1.86	155%			
Aroclor-1260 Peak # 2	B	85.62	0.86	0.07	168%			
Aroclor-1260 Peak # 3	B	0	ND	0.21				
Aroclor-1260 Peak # 4	B	10.39	0.10	1.09	165%			
Aroclor-1260 Peak # 5	B	5.406	0.05	0.26	131%			
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	36.49	0.5000	0.3649	73	19-121	u
Decachlorobiphenyl (PCB)	B	42.42	0.5000	0.4242	85	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_062223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9952049	7.60
1-bromo-2-nitrobenzene (PCB)	A	3197195	3535231	10.57

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_062223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

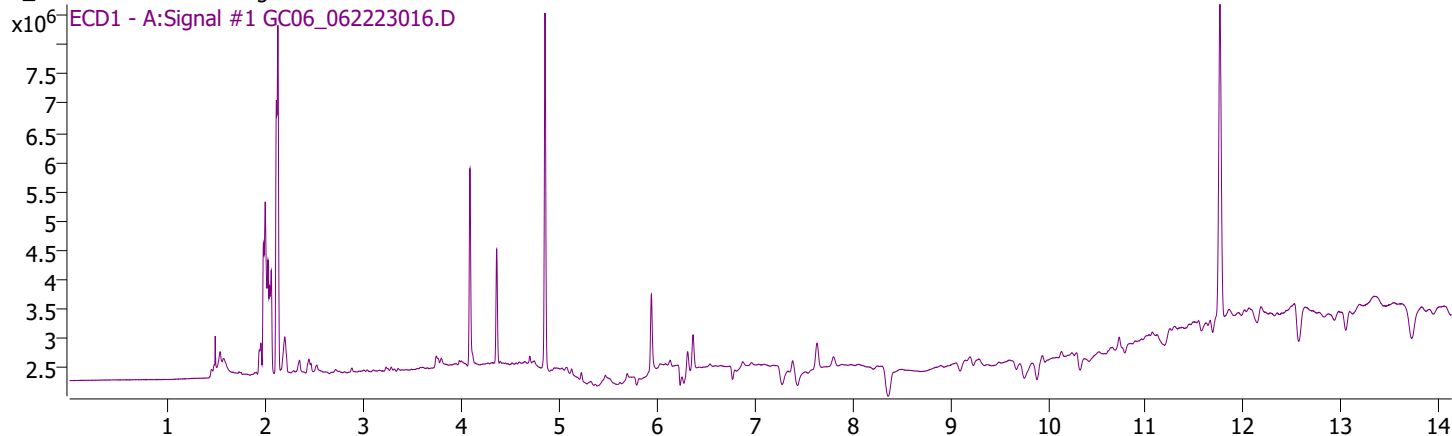
u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

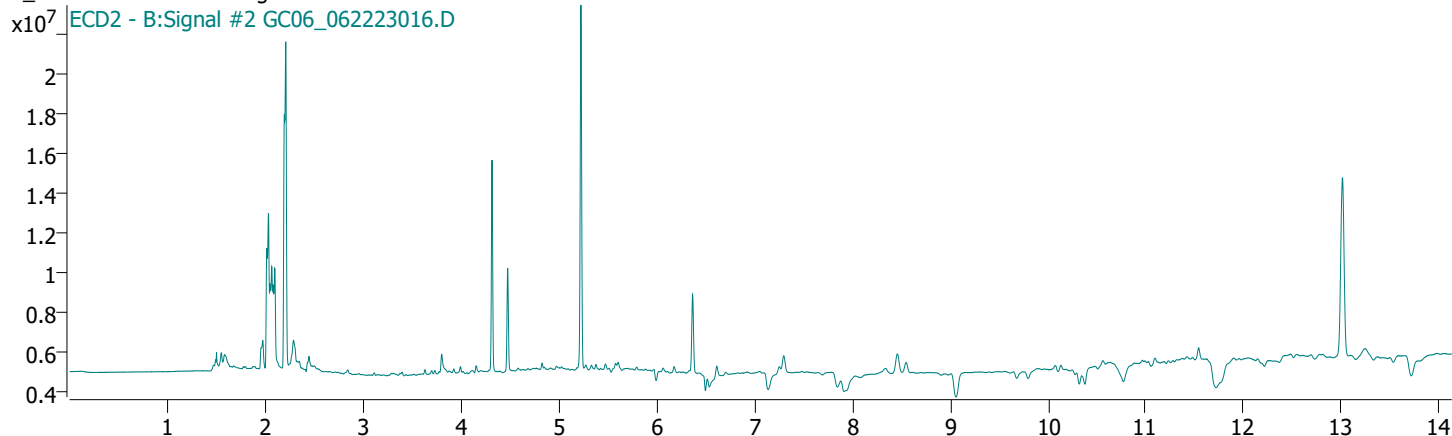
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223016.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 3:39:43 PM
Sample Name	487140-003, 316643, 1	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223016.D No MS Signals



GC06_062223016.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	3535231.32 2	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9952049.48 8	20.0000	ng/ml	-0.016
System Monitoring Compounds						
S TCMX (PCB)	4.860	0.0	6132711.91 1	32.5545	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.77%	*	
S TCMX (PCB) #2	5.227	0.0	19262121.5 83	36.4875	ng/ml	-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.44%	*	
S Decachlorobiphenyl (PCB)	11.758	0.0	10223467.7 67	43.3376	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.69%	*	
S Decachlorobiphenyl (PCB) #2	13.011	0.0	22292100.8 60	42.4161	ng/ml	-0.016
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.08%	*	

Target Compounds

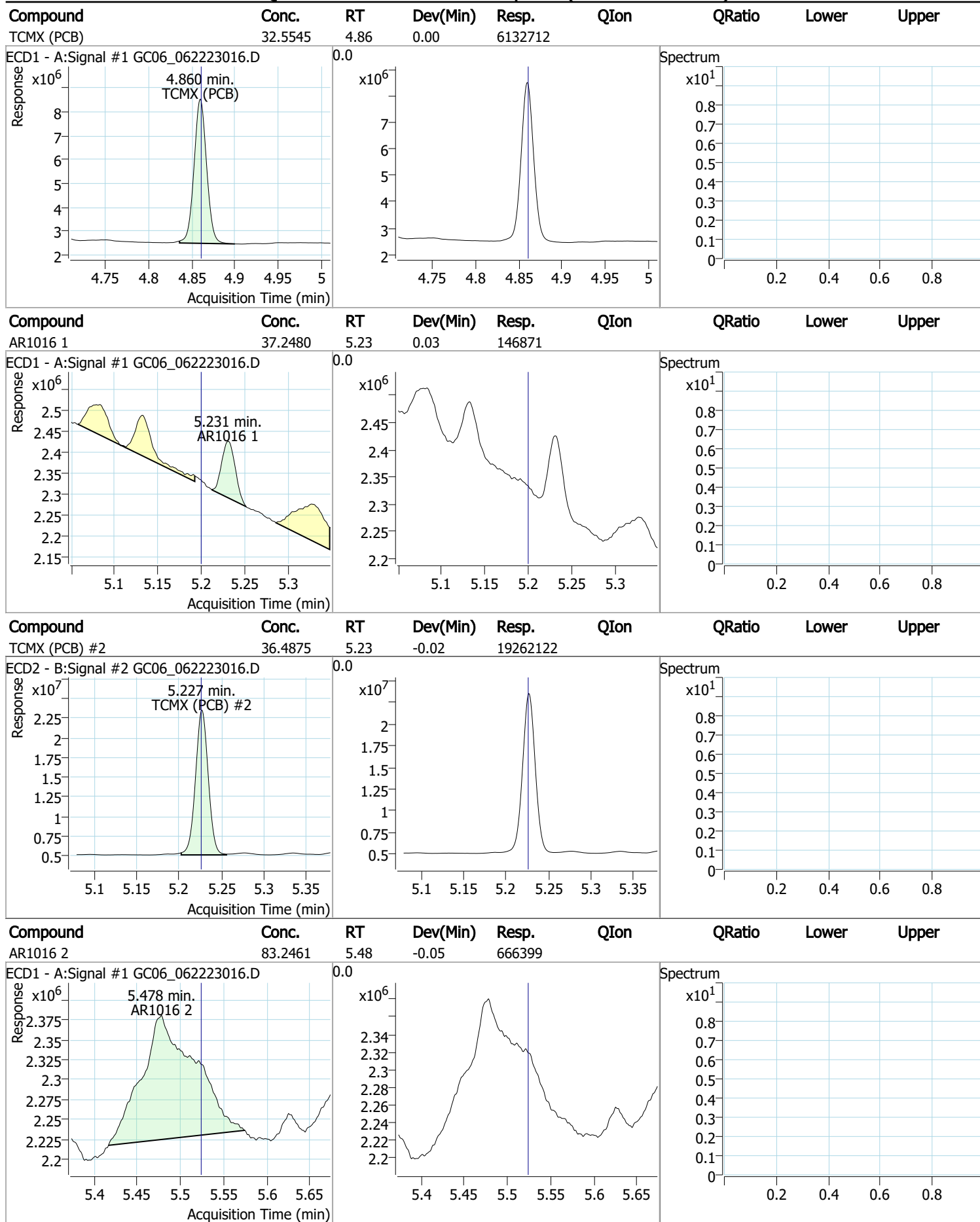
QValue

Quantitation Results Report (Not Reviewed)

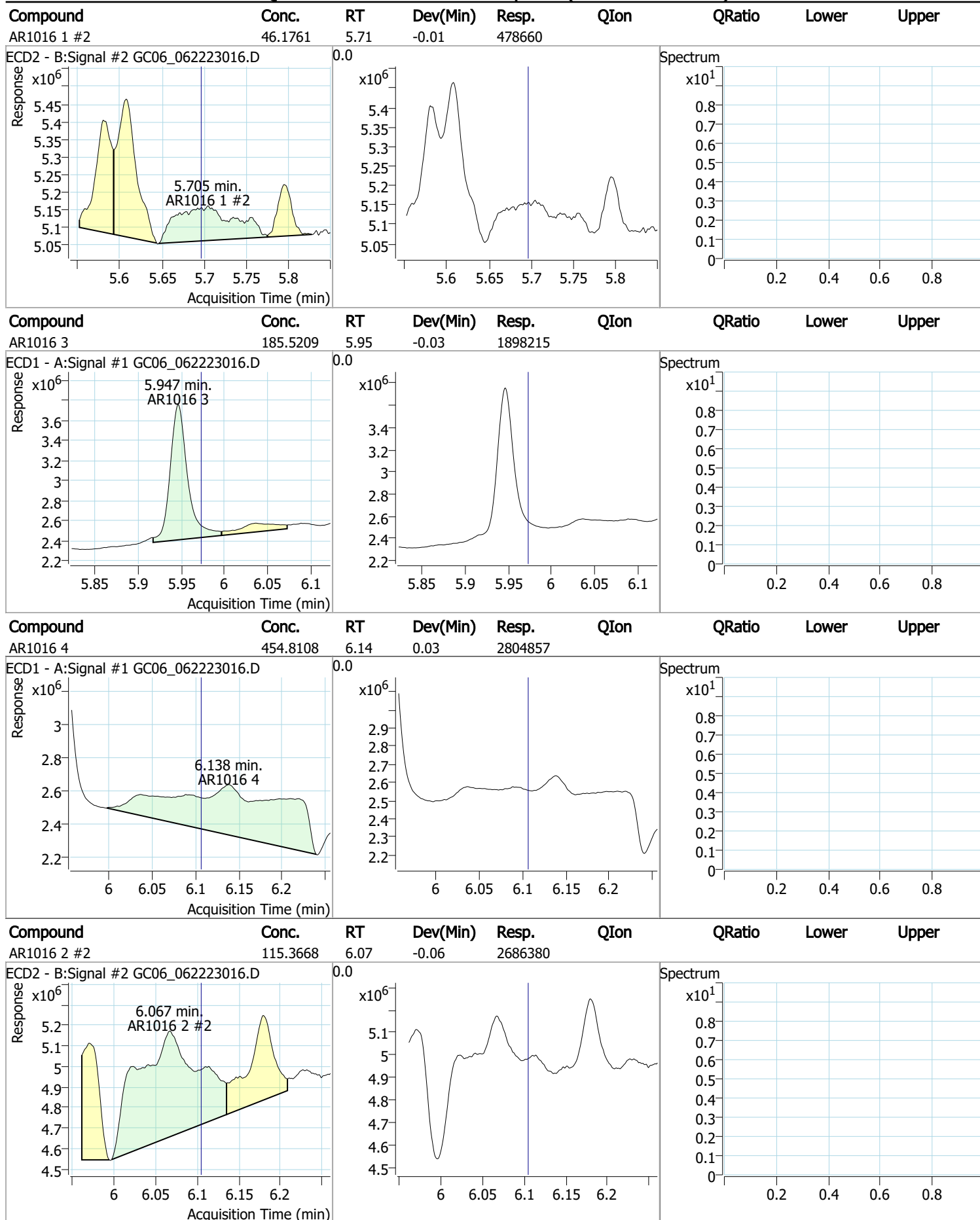
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.231	0.0	146871.082	37.2480	ng/ml	100
T AR1016 2	5.478	0.0	666398.527	83.2461	ng/ml	100
T AR1016 1 #2	5.705	0.0	478660.380	46.1761	ng/ml	100
T AR1016 3	5.947	0.0	1898215.356	185.5209	ng/ml	100
T AR1016 4	6.138	0.0	2804857.102	454.8108	ng/ml	100
T AR1016 2 #2	6.067	0.0	2686379.793	115.3668	ng/ml	100
T AR1016 5	6.260	0.0	152065.950	32.2405	ng/ml	100
T AR1016 3 #2	6.616	0.0	2780589.987	99.2383	ng/ml	100
T AR1016 4 #2	6.829	0.0	224832.451	11.1487	ng/ml	100
T AR1016 5 #2	7.056	0.0	5221740.747	485.4166	ng/ml	100
T AR1260 1	8.261	0.0	2175387.203	186.0788	ng/ml	100
T AR1260 2	8.904	0.0	132284.736	7.4122	ng/ml	100
T AR1260 3	9.294	0.0	406838.573	21.3339	ng/ml	100
T AR1260 1 #2	9.648	0.0	655837.655	23.3671	ng/ml	100
T AR1260 4	9.839	0.0	1135119.693	109.2547	ng/ml	100
T AR1260 2 #2	9.908	0.0	2709374.759	85.6185	ng/ml	100
T AR1260 3 #2	0.000		0	N.D.		
T AR1260 5	10.520	0.0	426536.686	25.9641	ng/ml	100
T AR1260 4 #2	10.964	0.0	245805.324	10.3920	ng/ml	100
T AR1260 5 #2	11.479	0.0	185347.851	5.4062	ng/ml	100

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

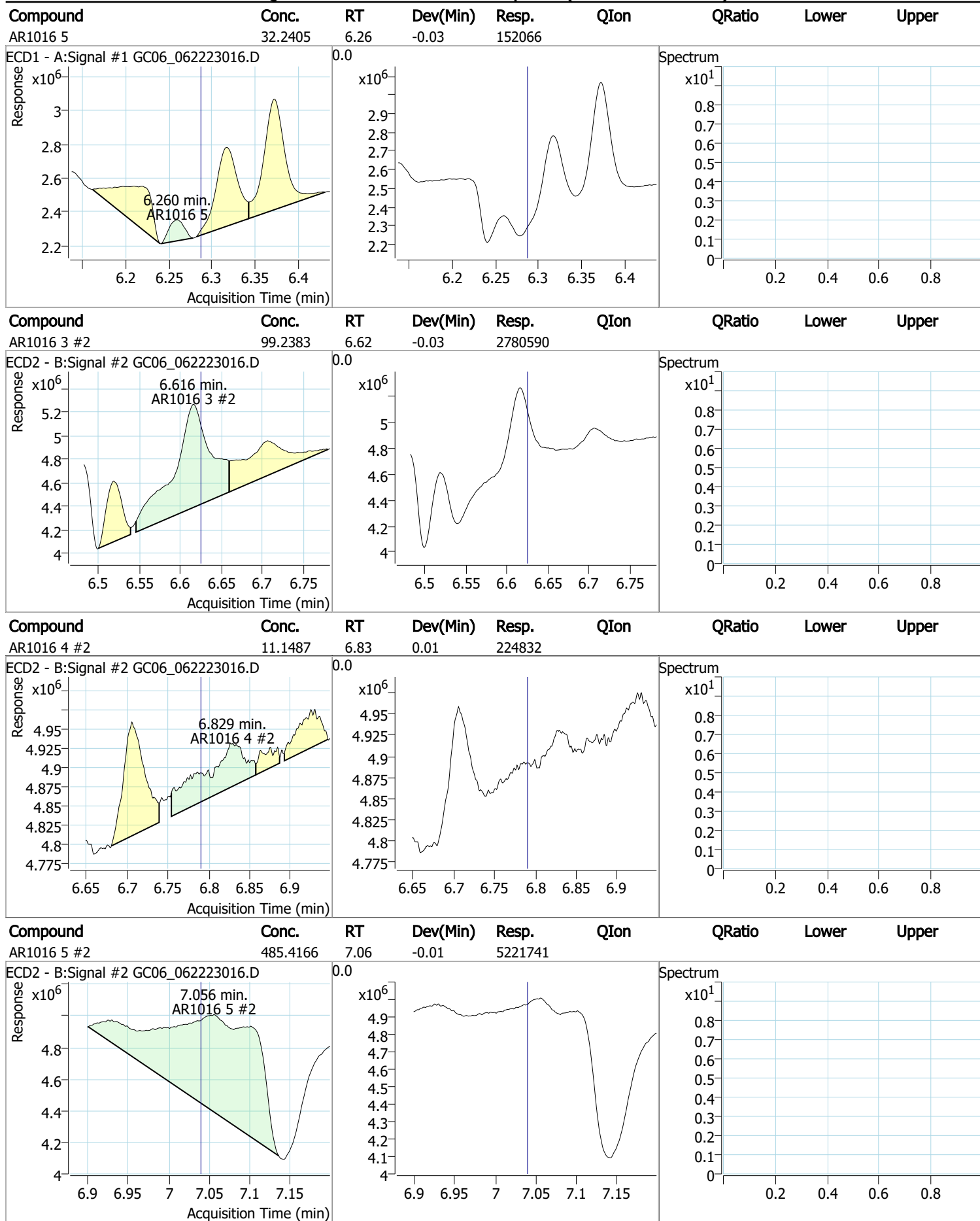
Quantitation Results Report (Not Reviewed)



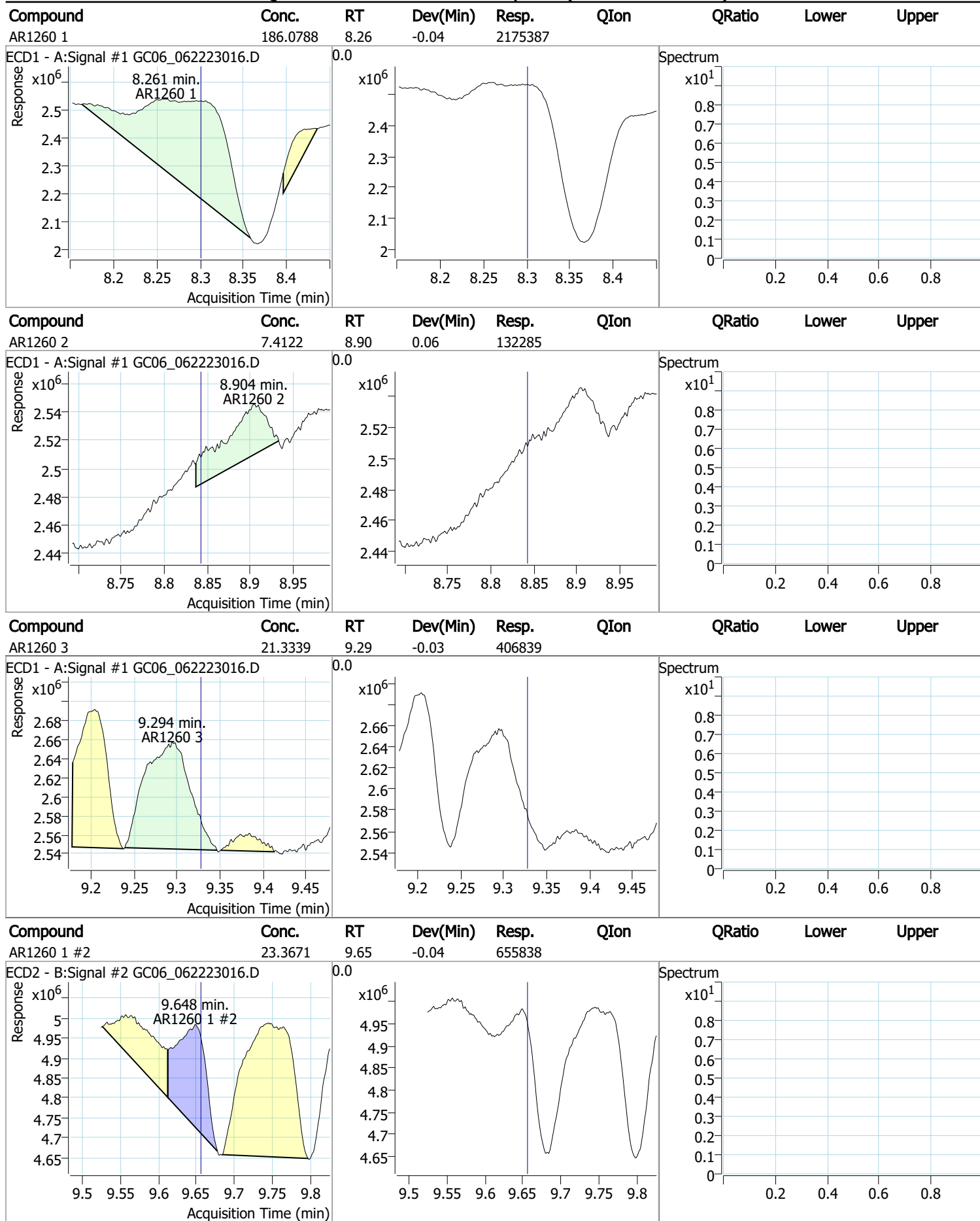
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

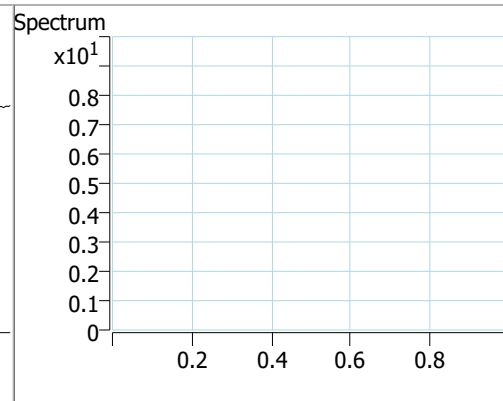
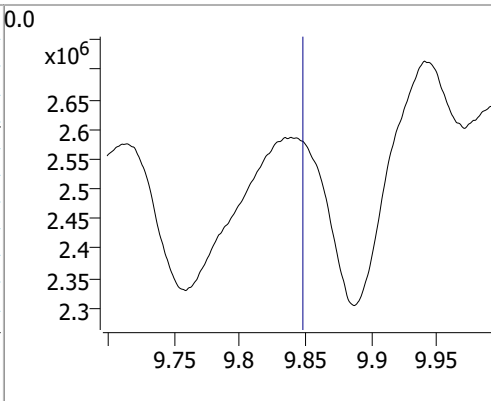
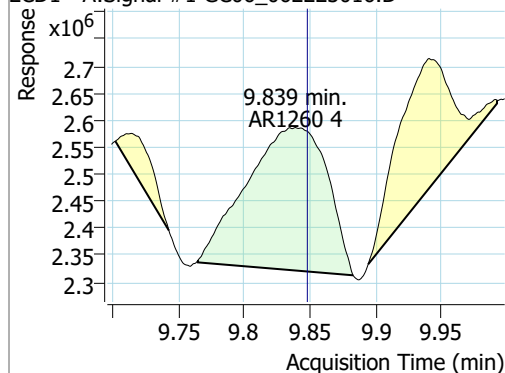


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 4 109.2547 9.84 -0.01 1135120

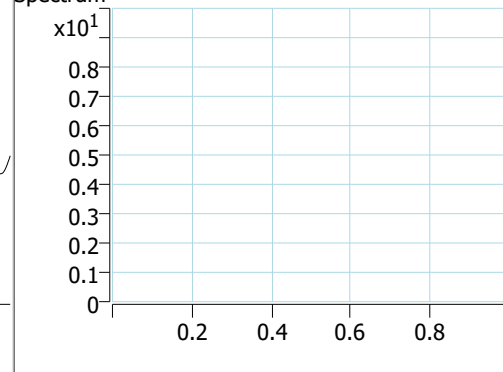
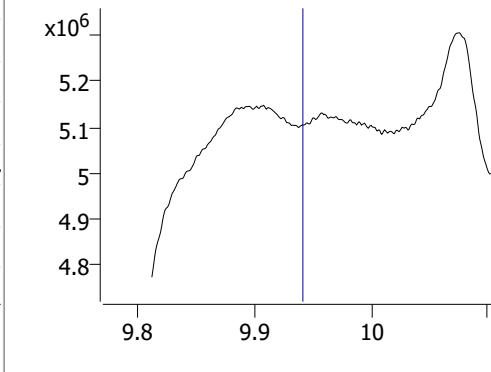
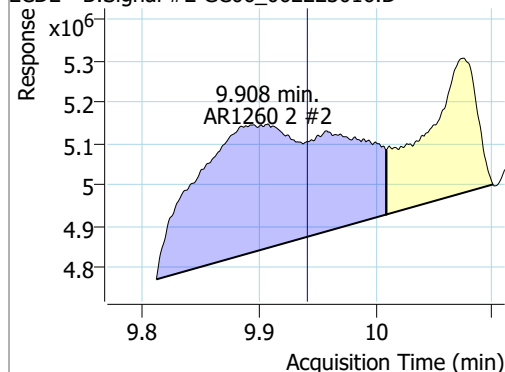
ECD1 - A:Signal #1 GC06_062223016.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 #2 85.6185 9.91 -0.07 2709375

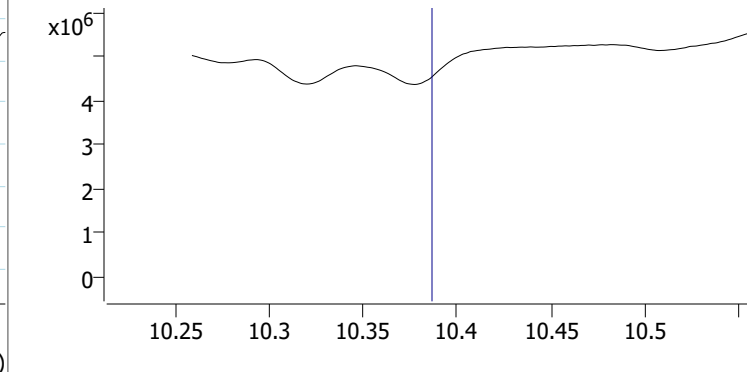
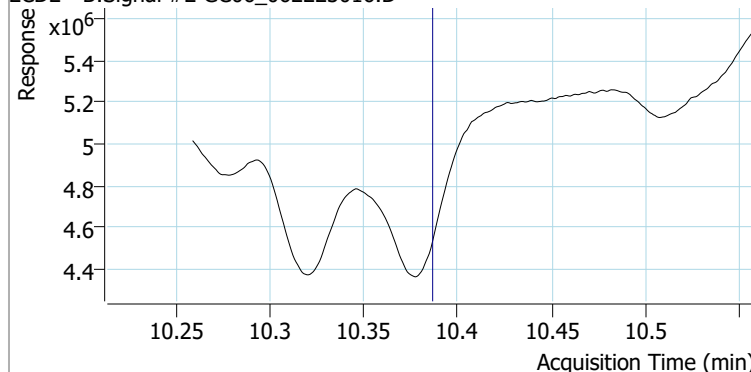
ECD2 - B:Signal #2 GC06_062223016.D



Compound	Conc.	Exp RT	QIon	Exp Ratio
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AR1260 3 #2 N.D. 10.42

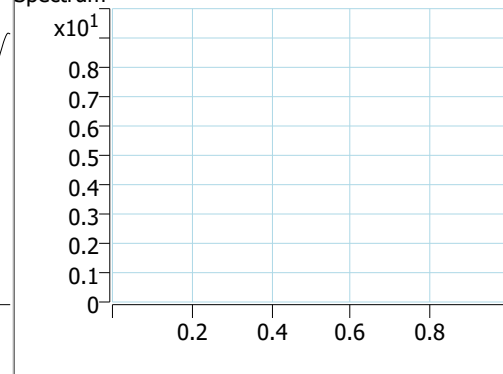
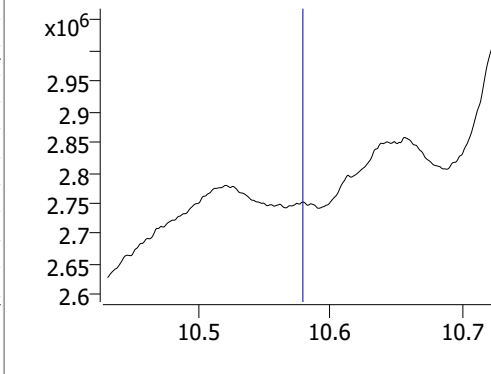
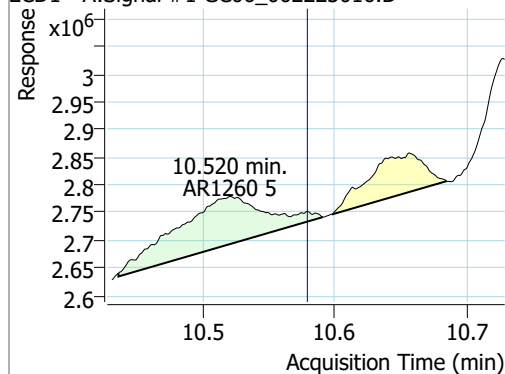
ECD2 - B:Signal #2 GC06_062223016.D



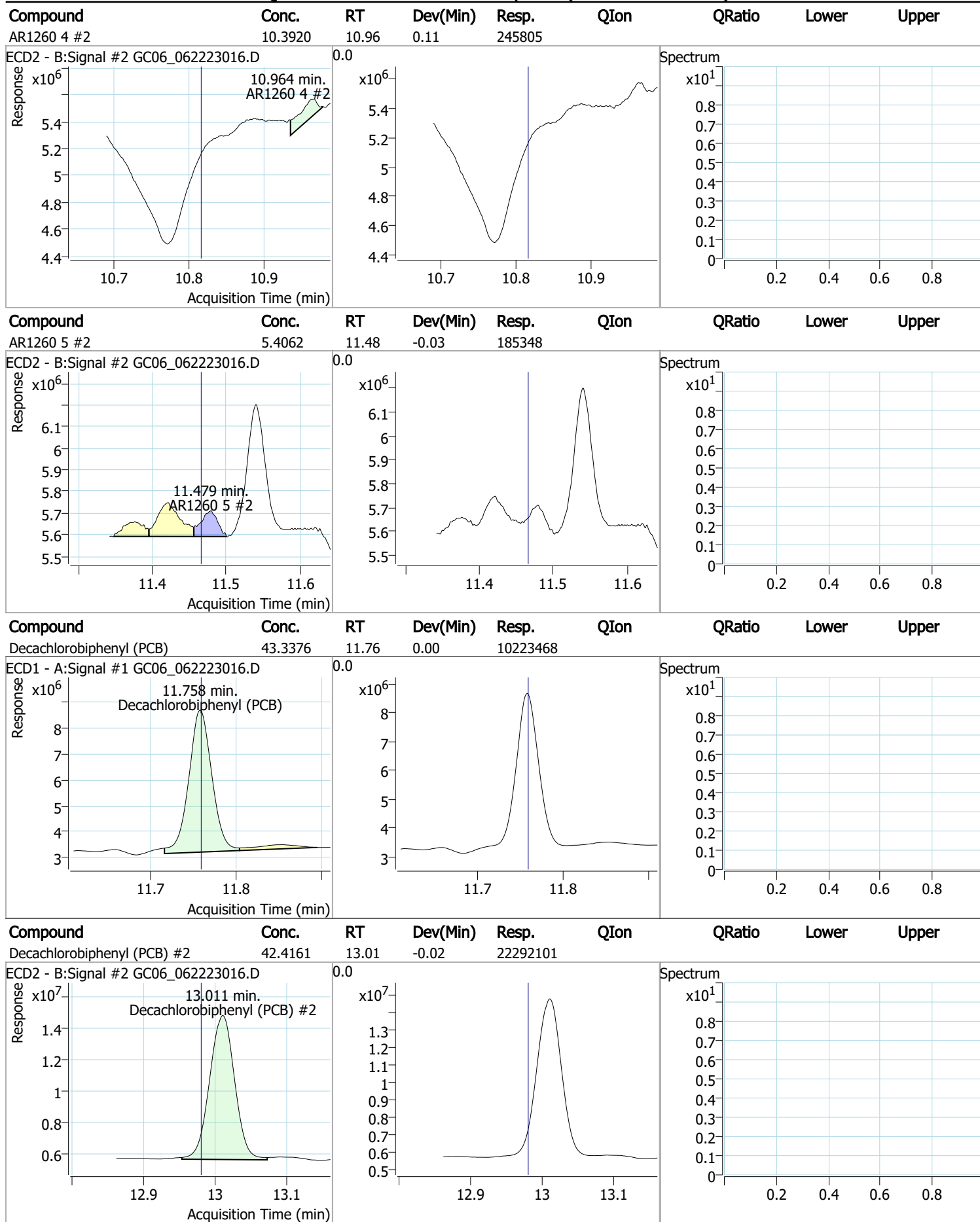
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 5 25.9641 10.52 -0.06 426537

ECD1 - A:Signal #1 GC06_062223016.D



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-005	Client ID: ARCH-C6W-DG-1.5 TO 2-230619-P-FB
Seqnum: 453249852017.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223017	Batch: 316643	Time: 22-JUN-2023 15:58
Cal: 453205686001	Caldate: 22-MAY-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	167.1	1.7	1.7	0%	0.50		x u
Aroclor-1016 Peak # 1	B	45.60	0.46	0.70	42%			
Aroclor-1016 Peak # 2	B	169.3	1.69	1.33	24%			
Aroclor-1016 Peak # 3	B	115.5	1.15	0.89	26%			
Aroclor-1016 Peak # 4	B	3.773	0.04	5.08	197%			
Aroclor-1016 Peak # 5	B	501.4	5.01	0.36	173%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	36.43	ND	0.57	44%	0.50		u
Aroclor-1260 Peak # 1	B	58.45	0.58	2.08	112%			
Aroclor-1260 Peak # 2	B	94.45	0.94	0.08	168%			
Aroclor-1260 Peak # 3	B	17.26	0.17	0.35	67%			
Aroclor-1260 Peak # 4	B	0	ND	ND				
Aroclor-1260 Peak # 5	B	12.00	0.12	0.34	97%			
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	u
Decachlorobiphenyl (PCB)	B	44.17	0.5000	0.4417	88	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_062223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9391004	1.53
1-bromo-2-nitrobenzene (PCB)	A	3197195	3375872	5.59

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

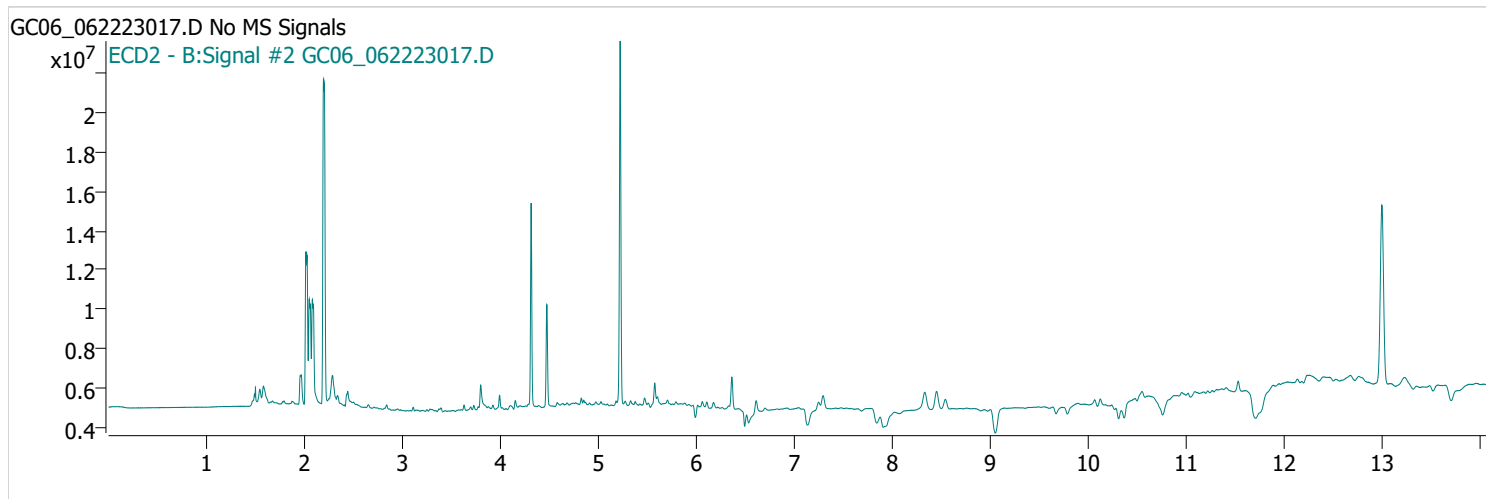
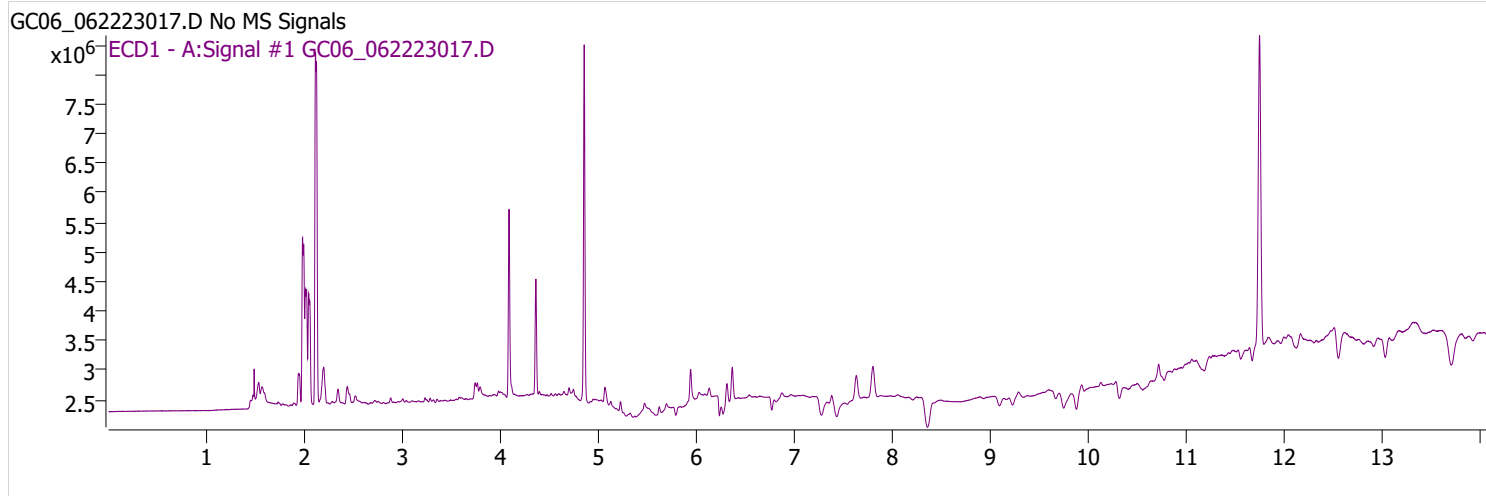
ISTD (CCV gc06_062223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_062223017.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 3:58:01 PM
Sample Name	487140-005, 316643, 1	Instrument	SVOA-GC06
Vial	6	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.092	0.0	3375872.278	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9391003.632	20.0000	ng/ml	-0.017
System Monitoring Compounds						
S TCMX (PCB)	4.860	0.0	5918291.071	32.8993	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.50%	*	
S TCMX (PCB) #2	5.228	0.0	19265379.263	38.6739	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.37%	*	
S Decachlorobiphenyl (PCB)	11.759	0.0	10387768.308	46.1128	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.56%	*	
S Decachlorobiphenyl (PCB) #2	13.009	0.0	21906741.531	44.1732	ng/ml	-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.87%	*	

Target Compounds

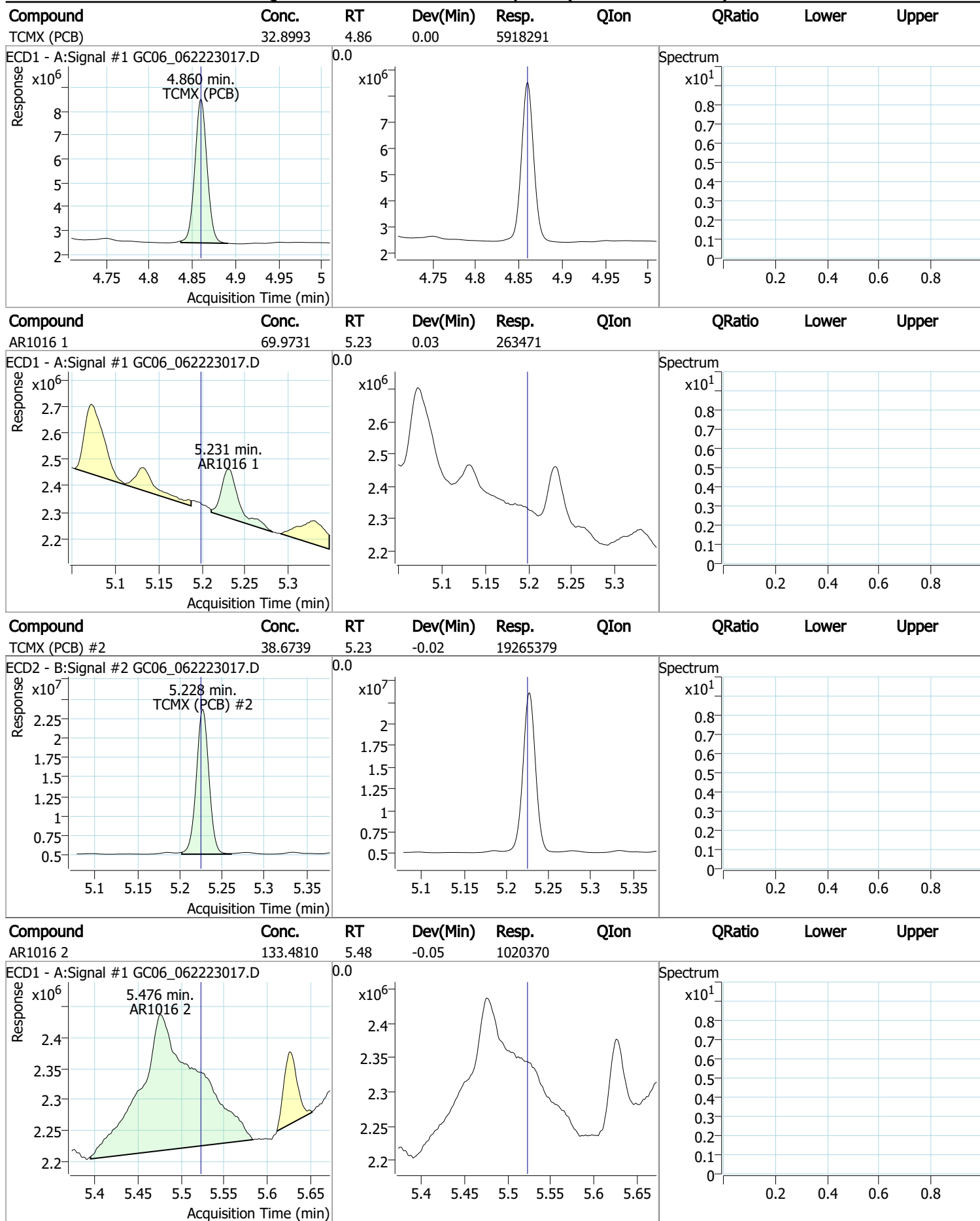
QValue

Quantitation Results Report (Not Reviewed)

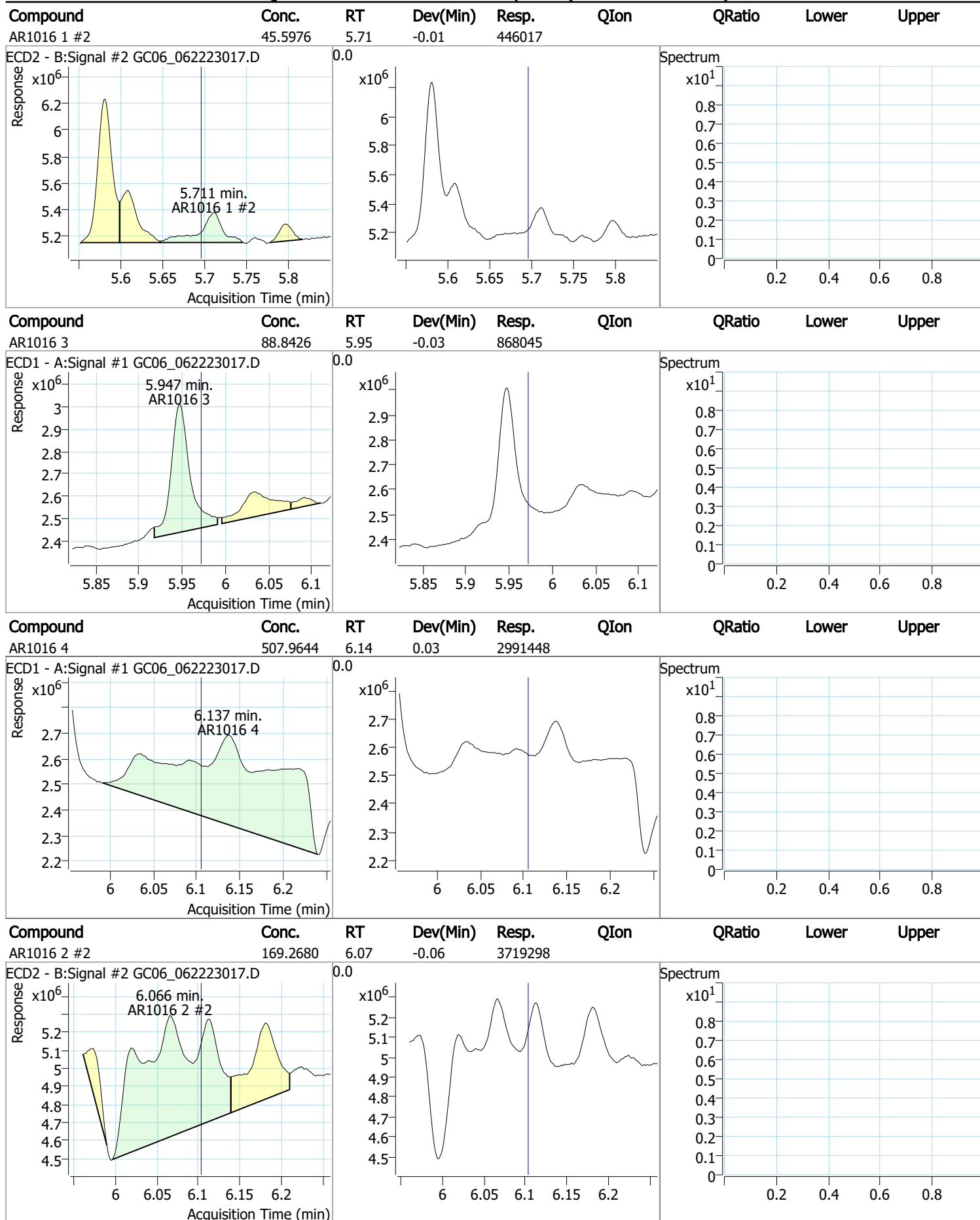
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.231	0.0	263470.820	69.9731	ng/ml	100
T AR1016 2	5.476	0.0	1020370.152	133.4810	ng/ml	100
T AR1016 1 #2	5.711	0.0	446016.679	45.5976	ng/ml	100
T AR1016 3	5.947	0.0	868044.515	88.8426	ng/ml	100
T AR1016 4	6.137	0.0	2991448.199	507.9644	ng/ml	100
T AR1016 2 #2	6.066	0.0	3719297.797	169.2680	ng/ml	100
T AR1016 5	6.259	0.0	161665.200	35.8937	ng/ml	100
T AR1016 3 #2	6.616	0.0	3053243.807	115.4793	ng/ml	100
T AR1016 4 #2	6.829	0.0	71806.530	3.7734	ng/ml	100
T AR1016 5 #2	7.051	0.0	5089569.537	501.3960	ng/ml	100
T AR1260 1	8.253	0.0	2323998.353	208.1747	ng/ml	100
T AR1260 2	8.901	0.0	140364.006	8.2361	ng/ml	100
T AR1260 3	9.296	0.0	634184.534	34.8254	ng/ml	100
T AR1260 1 #2	9.738	0.0	1548016.203	58.4501	ng/ml	100
T AR1260 4	0.000		0	N.D.		
T AR1260 2 #2	9.904	0.0	2820294.104	94.4481	ng/ml	100
T AR1260 3 #2	10.347	0.0	659666.300	17.2630	ng/ml	100
T AR1260 5	10.508	0.0	539550.462	34.3938	ng/ml	100
T AR1260 4 #2	0.000		0	N.D.		
T AR1260 5 #2	11.417	0.0	388119.202	11.9969	ng/ml	100

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

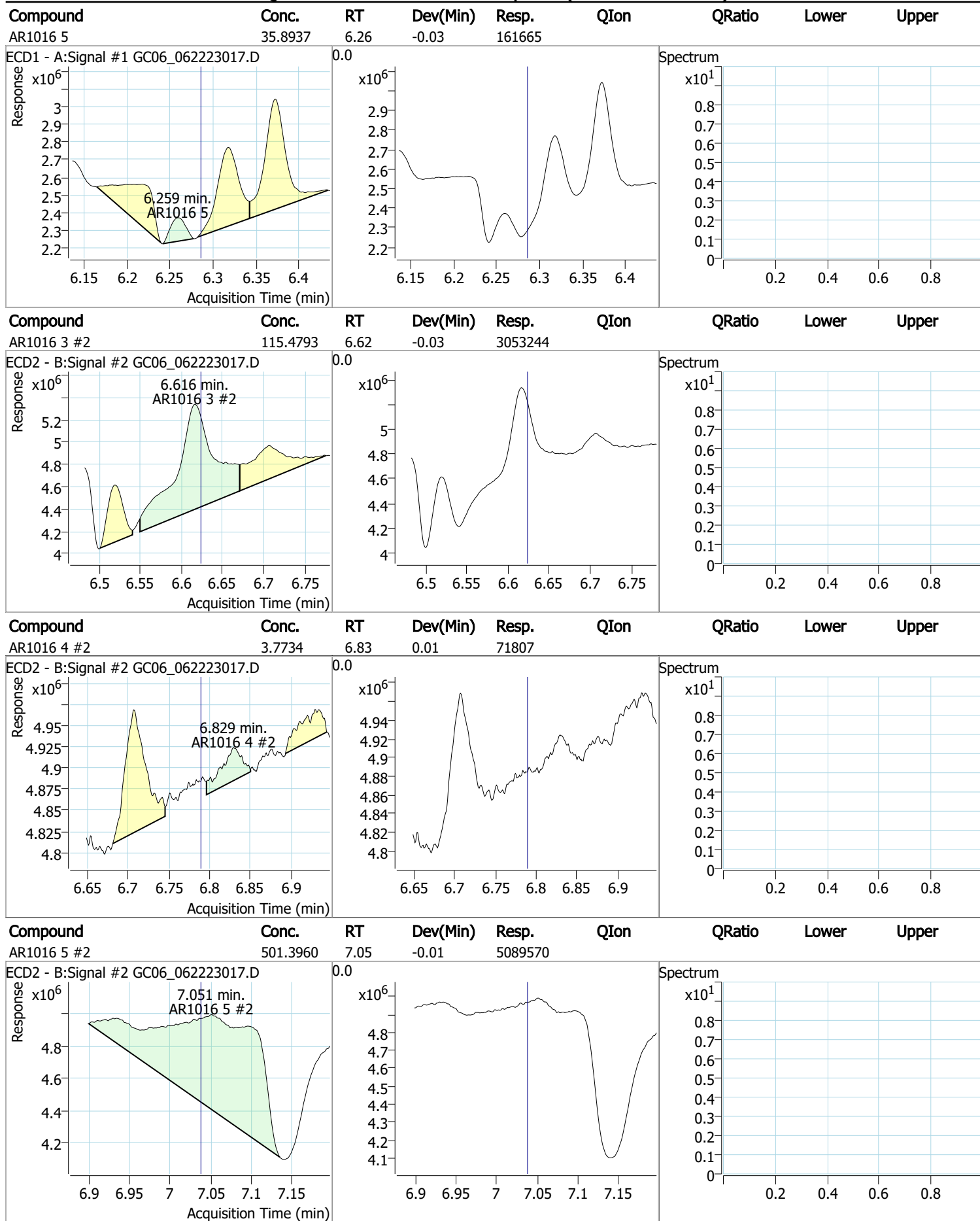
Quantitation Results Report (Not Reviewed)



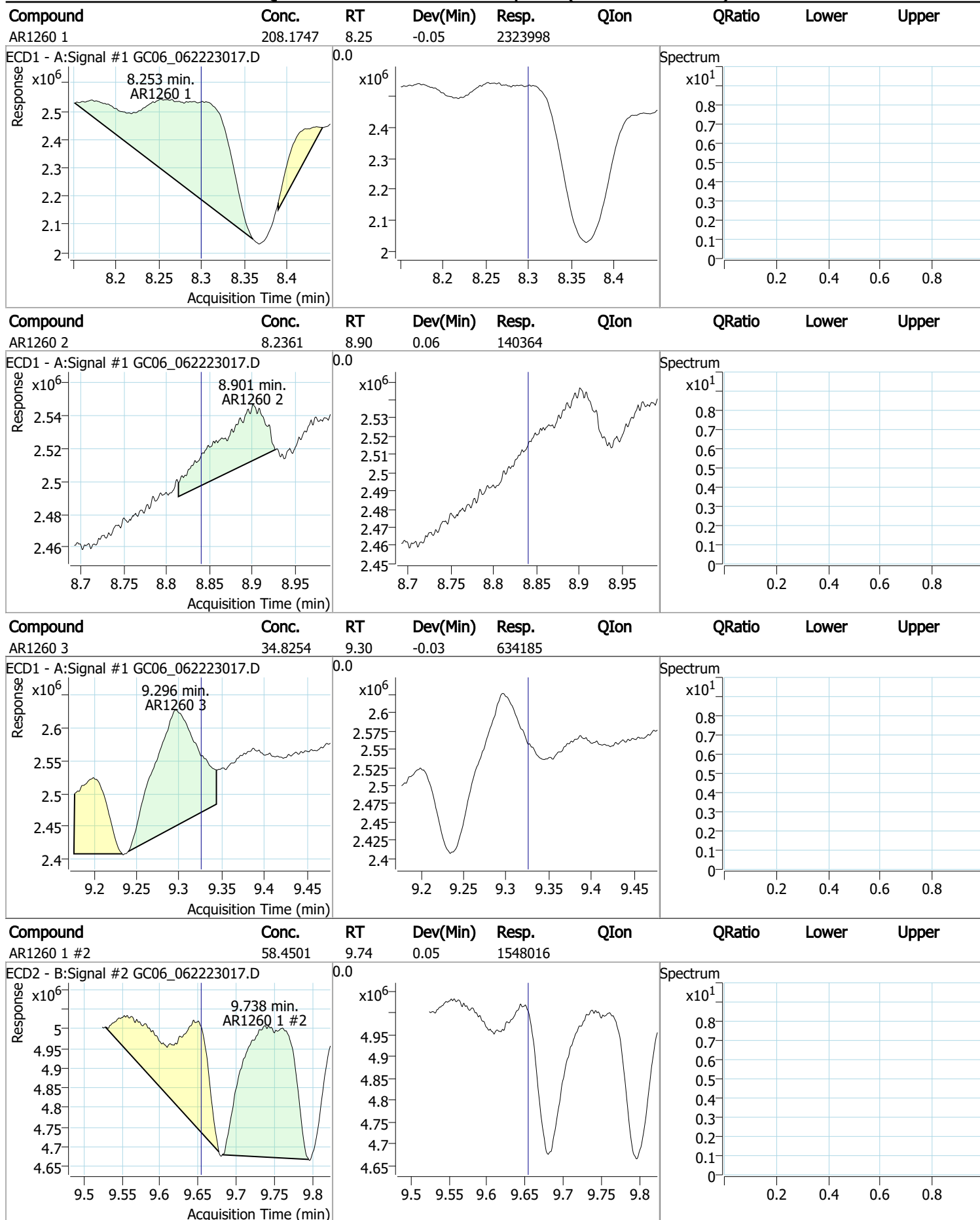
Quantitation Results Report (Not Reviewed)



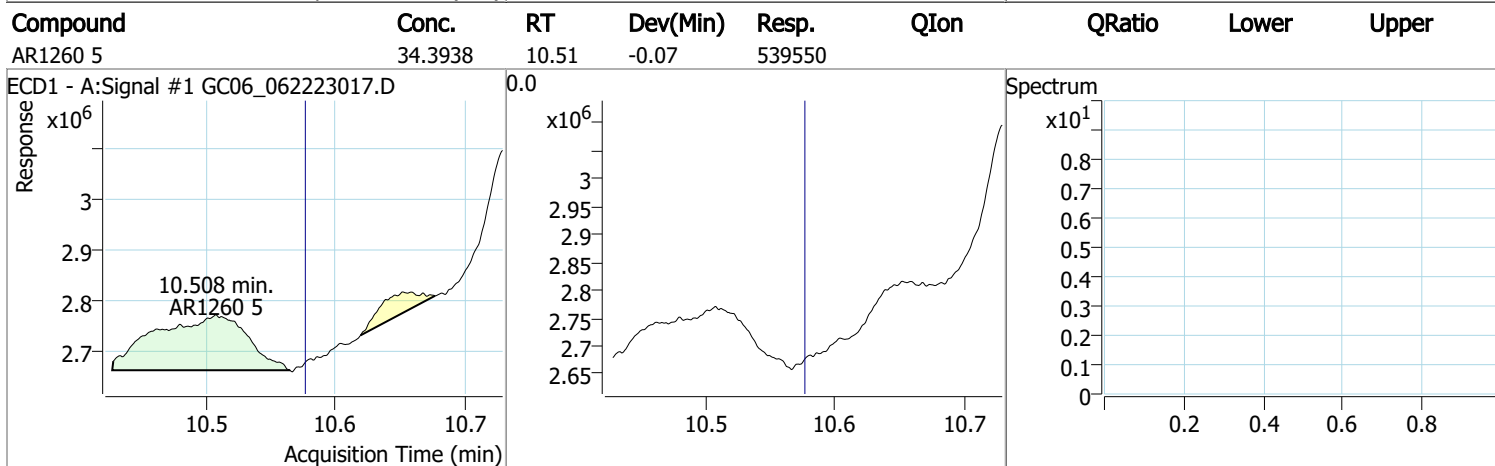
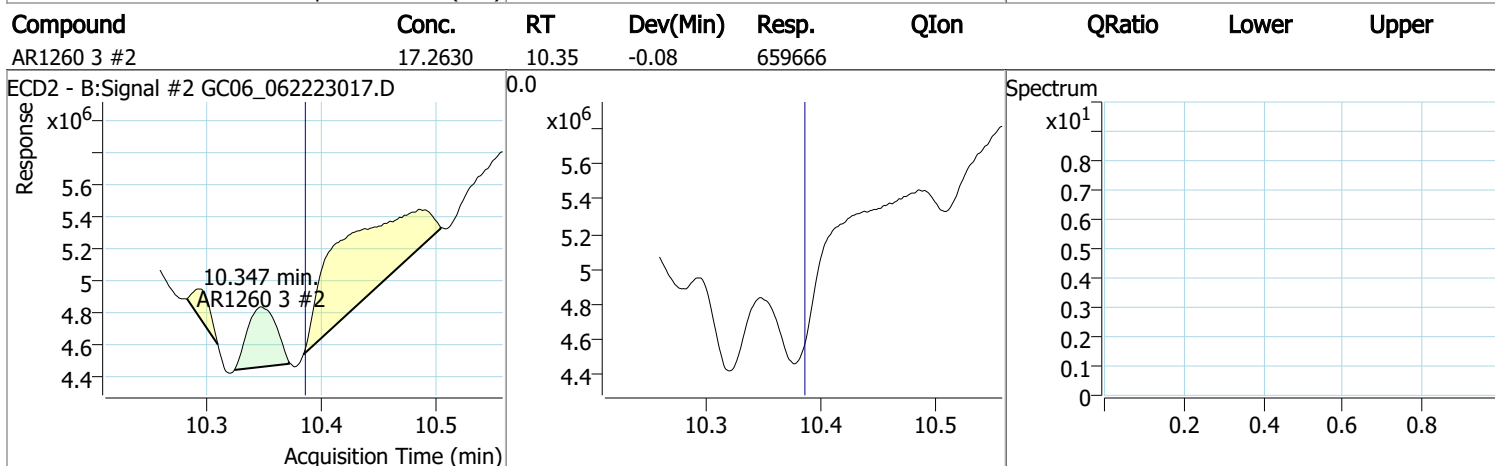
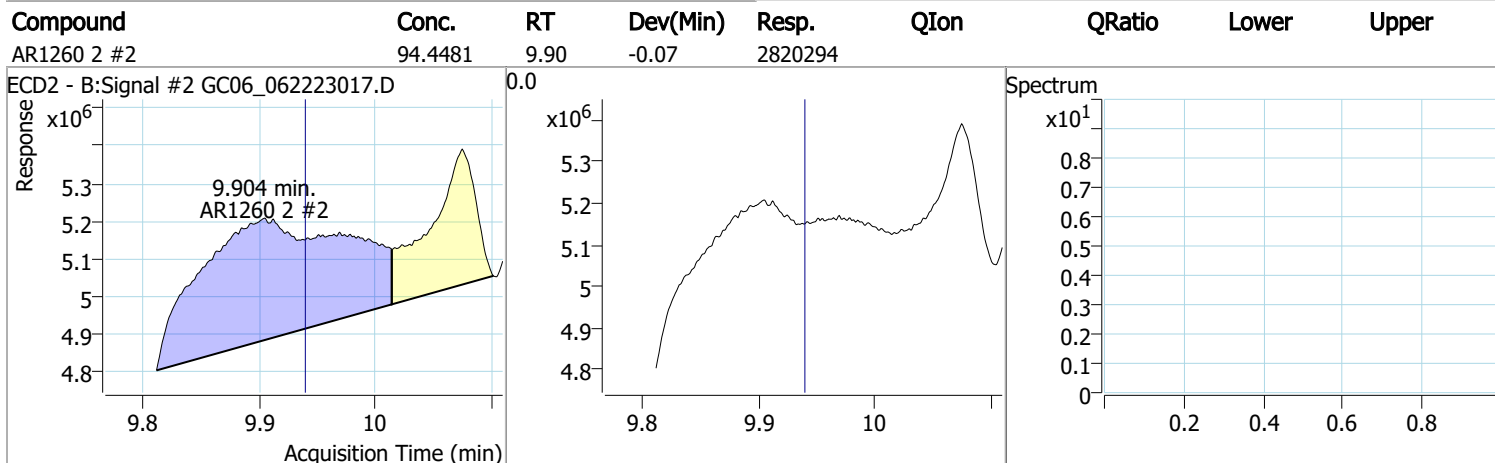
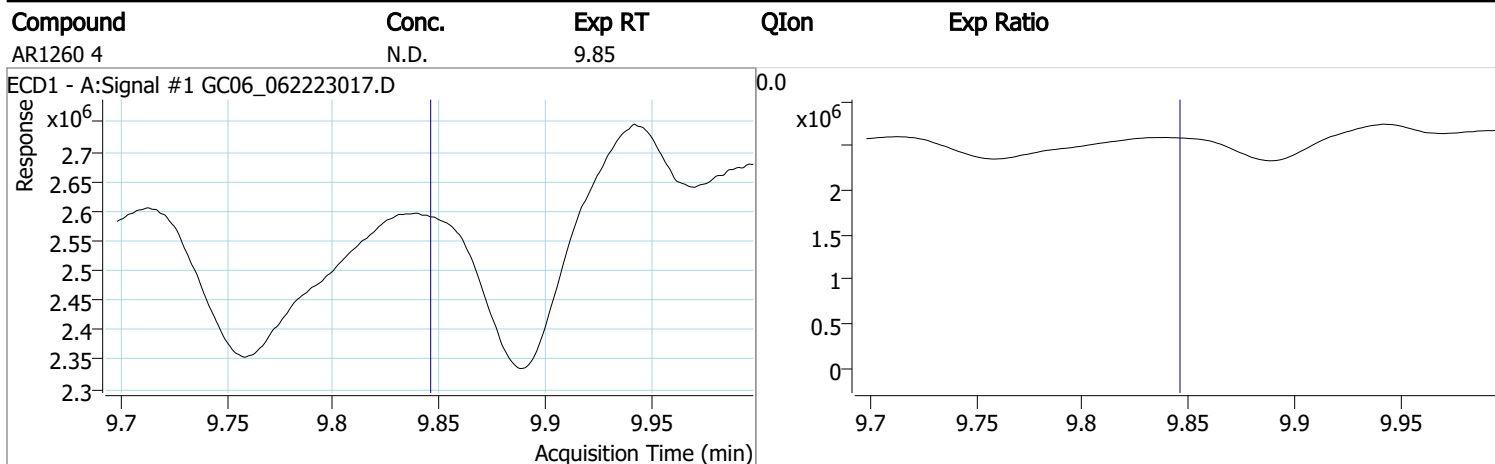
Quantitation Results Report (Not Reviewed)



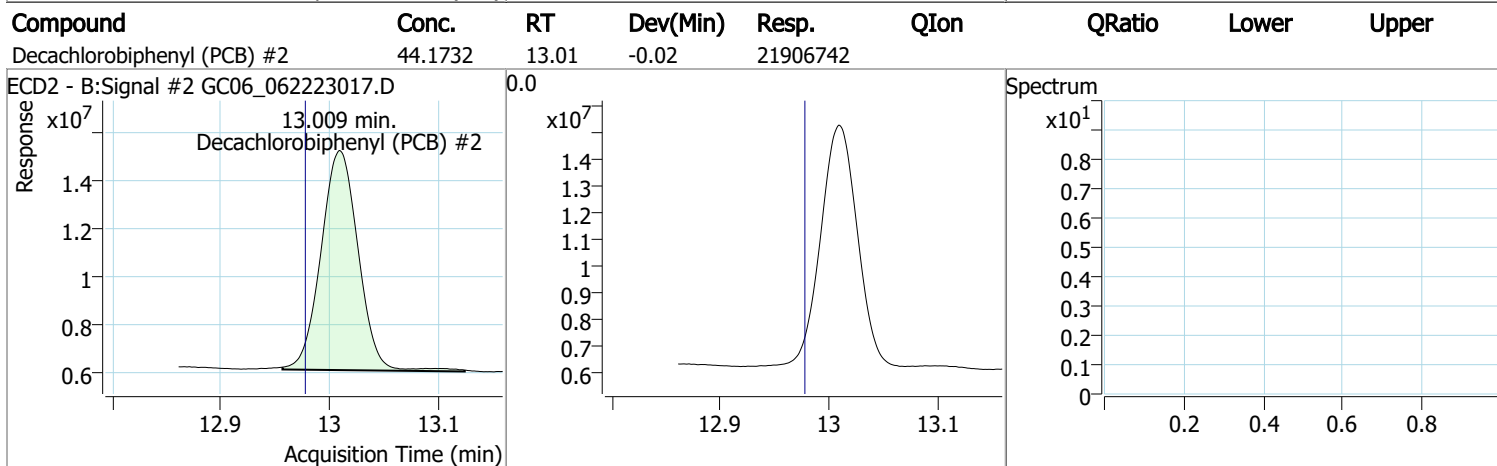
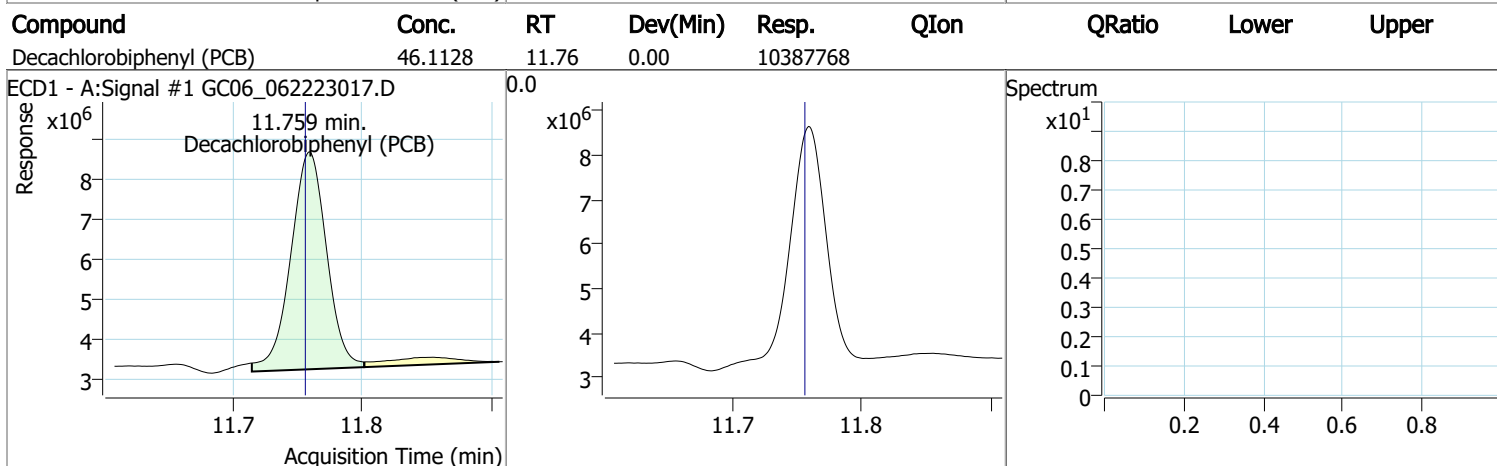
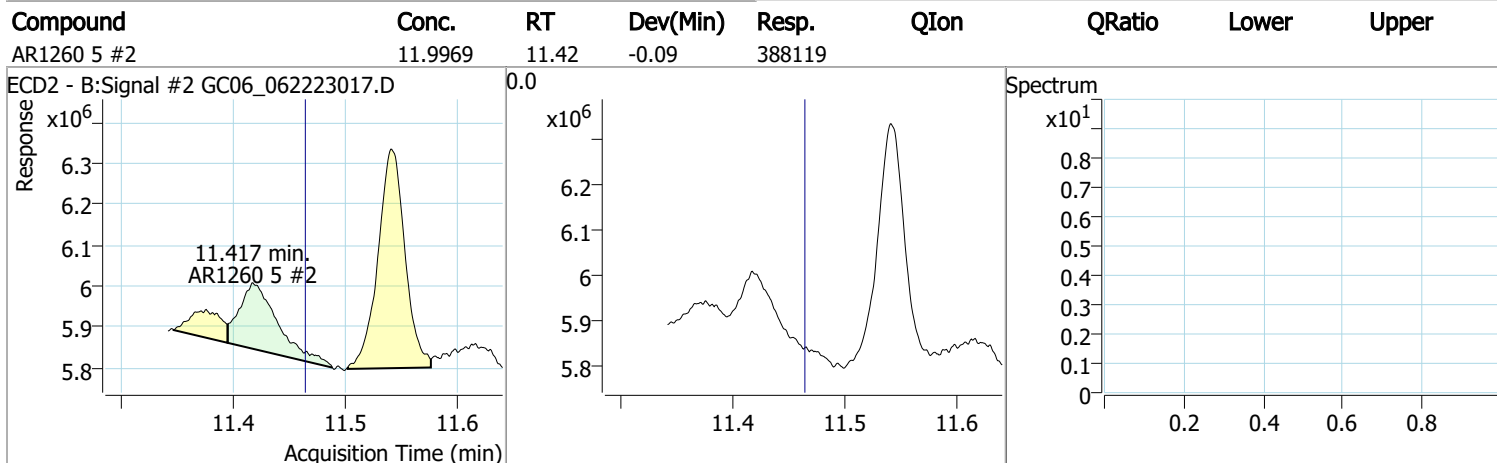
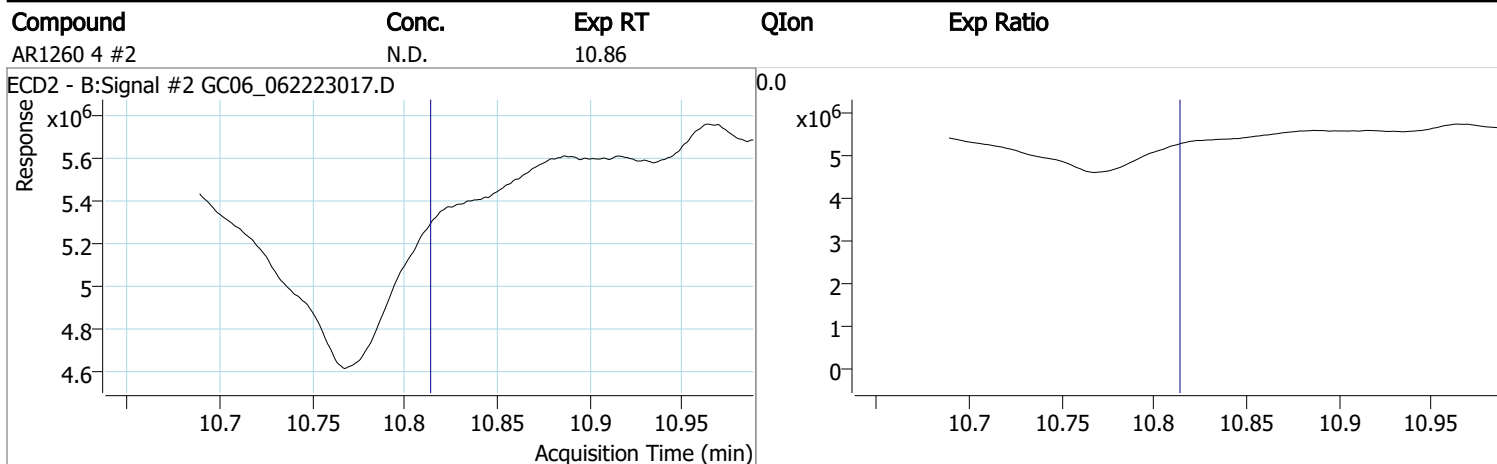
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-007	Client ID: ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-P-LA
Seqnum: 453249852018.2	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223018	Batch: 316643	Time: 22-JUN-2023 16:16
Cal: 453205686001	Caldate: 22-MAY-2023	
IDF: 1.0	Raw Units: ug/L	Units: ug/dm2

- 1.19 dm2 $\Rightarrow$ 10.0 ml = 8.433 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	169.3	1.4 FP	1.8	24%	0.42		X U
Aroclor-1016 Peak # 1	B	92.03	0.78	0.46	51%			
Aroclor-1016 Peak # 2	B	90.47	0.76	1.77	79%			
Aroclor-1016 Peak # 3	B	116.4	0.98	2.61	91%			
Aroclor-1016 Peak # 4	B	5.539	0.05	4.04	195%			
Aroclor-1016 Peak # 5	B	541.9	4.57	0.25	179%			
Aroclor-1221	B		ND			0.42		U
Aroclor-1232	B		ND			0.42		U
Aroclor-1242	B		ND			0.42		U
Aroclor-1248	B		ND			0.42		U
Aroclor-1254	B		ND			0.42		U
Aroclor-1260	B	49.47	ND	0.65	44%	0.42		U
Aroclor-1260 Peak # 1	B	55.51	0.47	1.76	116%			
Aroclor-1260 Peak # 2	B	44.06	0.37	0.09	123%			
Aroclor-1260 Peak # 3	B	0	ND	0.27				
Aroclor-1260 Peak # 4	B	143.8	1.21	1.01	18%			
Aroclor-1260 Peak # 5	B	3.965	0.03	0.13	118%			
Aroclor-1262	B		ND			0.42		U
Aroclor-1268	B		ND			0.42		U

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.77	0.4217	0.3270	78	19-121	U
Decachlorobiphenyl (PCB)	B	44.84	0.4217	0.3781	90	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_062223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9282813	0.36
1-bromo-2-nitrobenzene (PCB)	A	3197195	3414797	6.81

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

ISTD (CCV gc06_062223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

u=use x=false positive

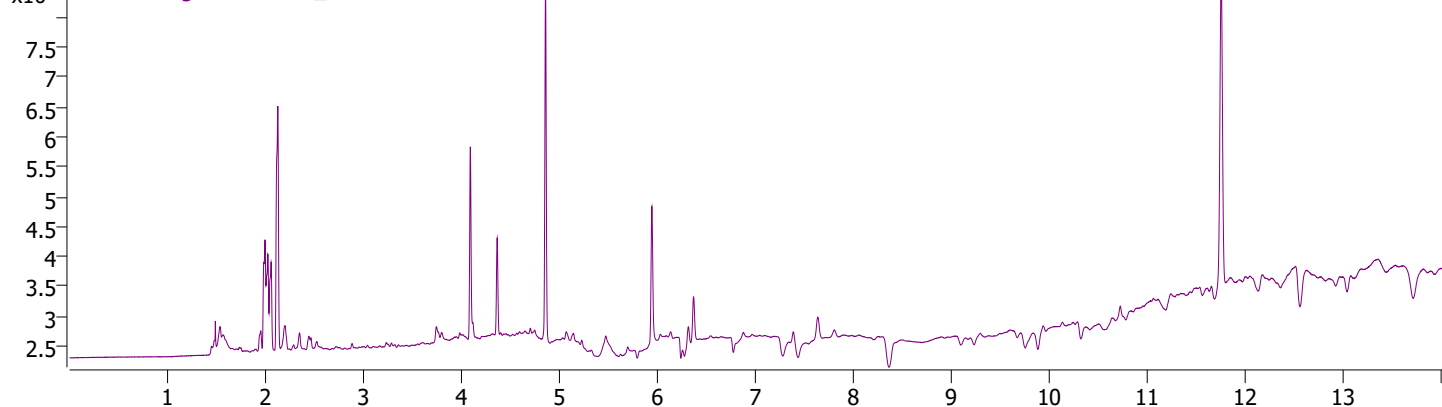
Reviewed By: MES 06/23/23 *, TRN 06/23/23 *, MTS 06/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_062223018.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 4:16:17 PM
Sample Name	487140-007, 316643, 1	Instrument	SVOA-GC06
Vial	7	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

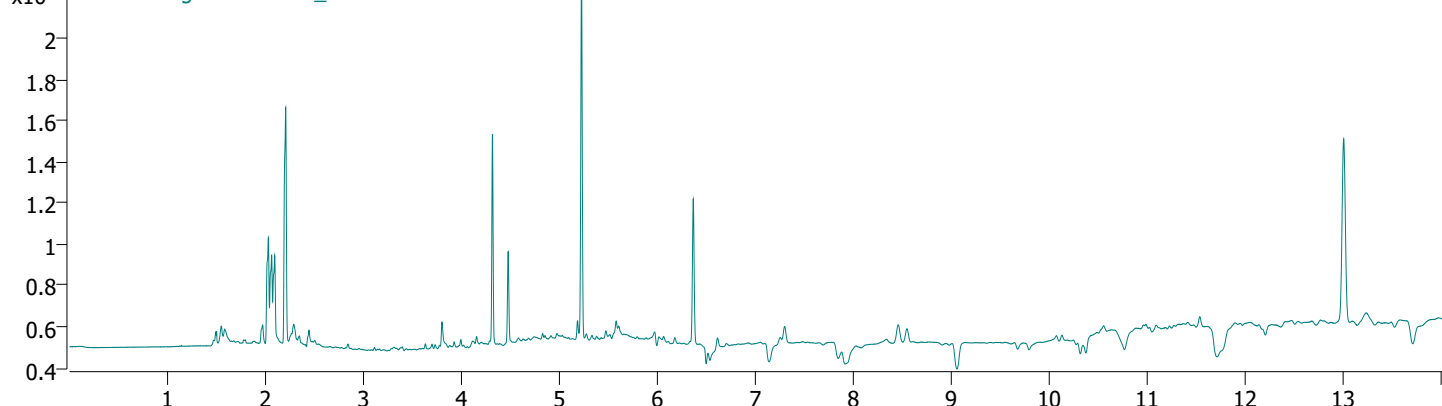
GC06_062223018.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_062223018.D



GC06_062223018.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_062223018.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.092	0.0	3414796.98 5	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9282812.54 5	20.0000	ng/ml	-0.017
System Monitoring Compounds						
S TCMX (PCB)	4.860	0.0	5915124.11 2	32.5069	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.53%	*	
S TCMX (PCB) #2	5.228	0.0	19092775.5 16	38.7742	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.87%	*	
S Decachlorobiphenyl (PCB)	11.759	0.0	10112811.2 09	44.3805	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.90%	*	
S Decachlorobiphenyl (PCB) #2	13.010	0.0	21979770.1 00	44.8370	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.18%	*	

Target Compounds

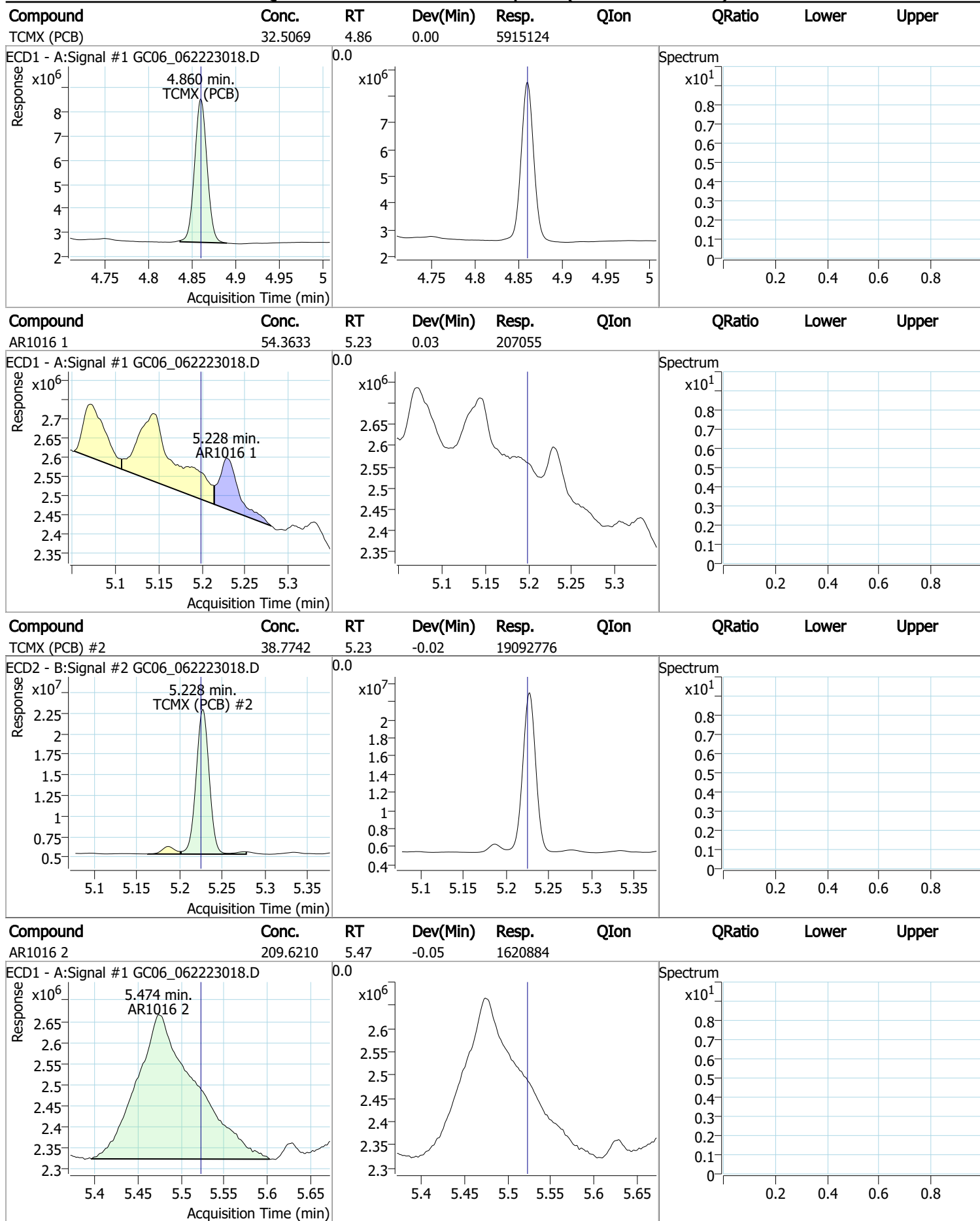
QValue

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.228	0.0	207055.049	54.3633	ng/ml	100
T AR1016 2	5.474	0.0	1620883.807	209.6210	ng/ml	100
T AR1016 1 #2	5.608	0.0	889798.370	92.0268	ng/ml	100
T AR1016 3	5.946	0.0	3063499.184	309.9689	ng/ml	100
T AR1016 4	6.136	0.0	2851541.652	478.6881	ng/ml	100
T AR1016 2 #2	6.067	0.0	1965093.658	90.4752	ng/ml	100
T AR1016 5	6.259	0.0	136507.575	29.9626	ng/ml	100
T AR1016 3 #2	6.617	0.0	3041007.030	116.3570	ng/ml	100
T AR1016 4 #2	6.833	0.0	104199.833	5.5394	ng/ml	100
T AR1016 5 #2	7.053	0.0	5437925.489	541.9578	ng/ml	100
T AR1260 1	8.262	0.0	2352411.837	208.3179	ng/ml	100
T AR1260 2	8.899	0.0	181155.136	10.5084	ng/ml	100
T AR1260 3	9.300	0.0	598689.079	32.5014	ng/ml	100
T AR1260 1 #2	9.737	0.0	1453173.993	55.5085	ng/ml	100
T AR1260 4	9.839	0.0	1204380.075	120.0093	ng/ml	100
T AR1260 2 #2	10.077	0.0	1300551.715	44.0615	ng/ml	100
T AR1260 3 #2	0.000		0	N.D.		
T AR1260 5	10.510	0.0	243387.321	15.3380	ng/ml	100
T AR1260 4 #2	10.887	0.0	3173053.764	143.8195	ng/ml	100
T AR1260 5 #2	11.478	0.0	126805.464	3.9653	ng/ml	100

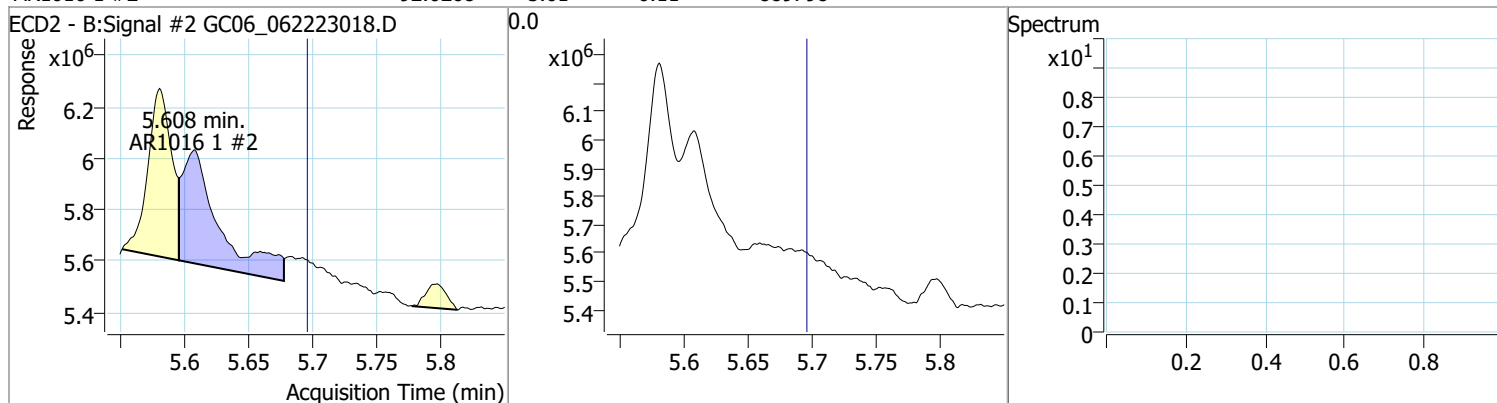
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

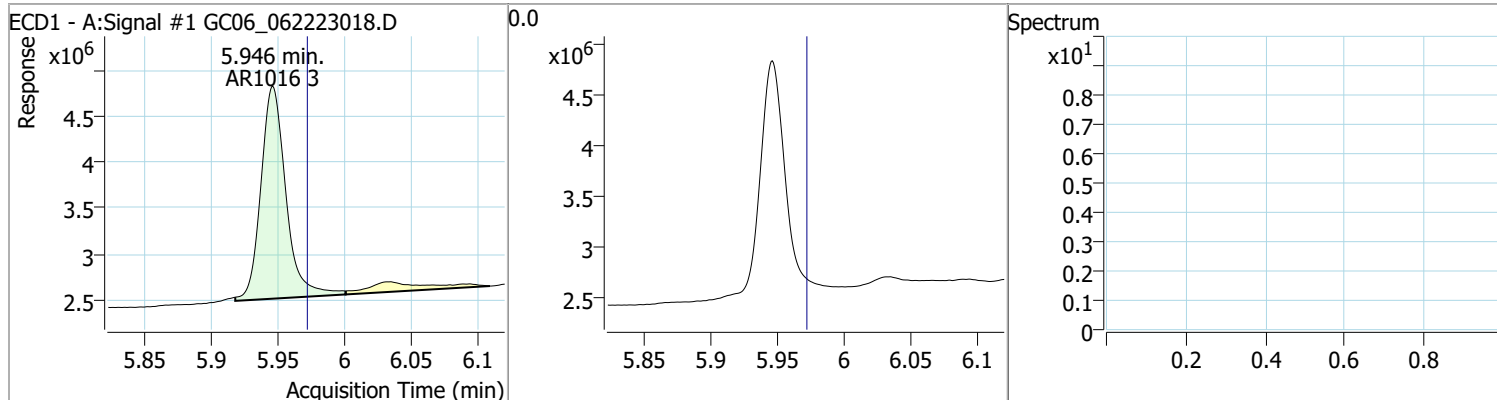


Quantitation Results Report (Not Reviewed)

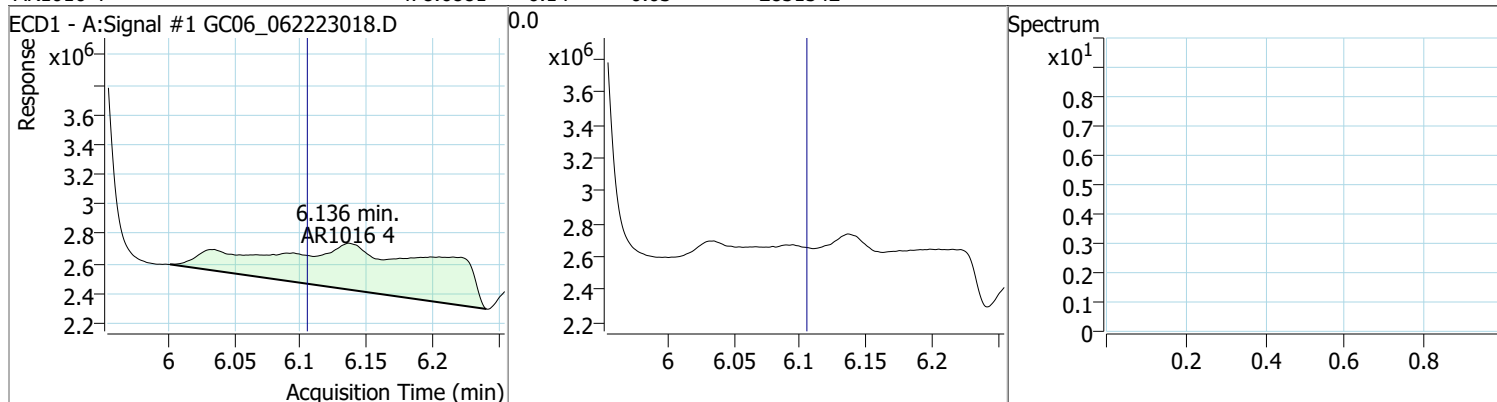
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	92.0268	5.61	-0.11	889798				



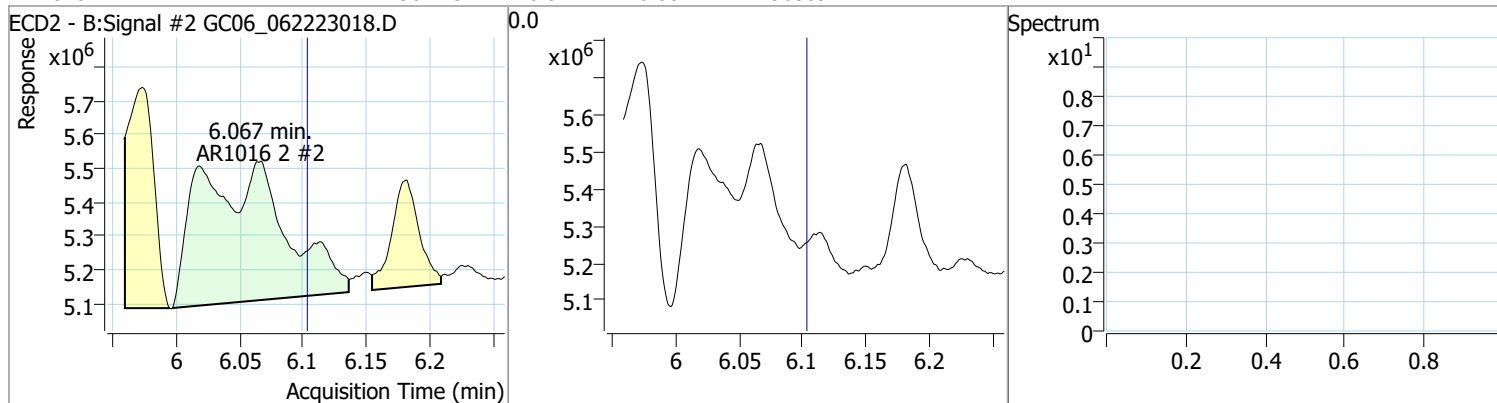
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	309.9689	5.95	-0.03	3063499				



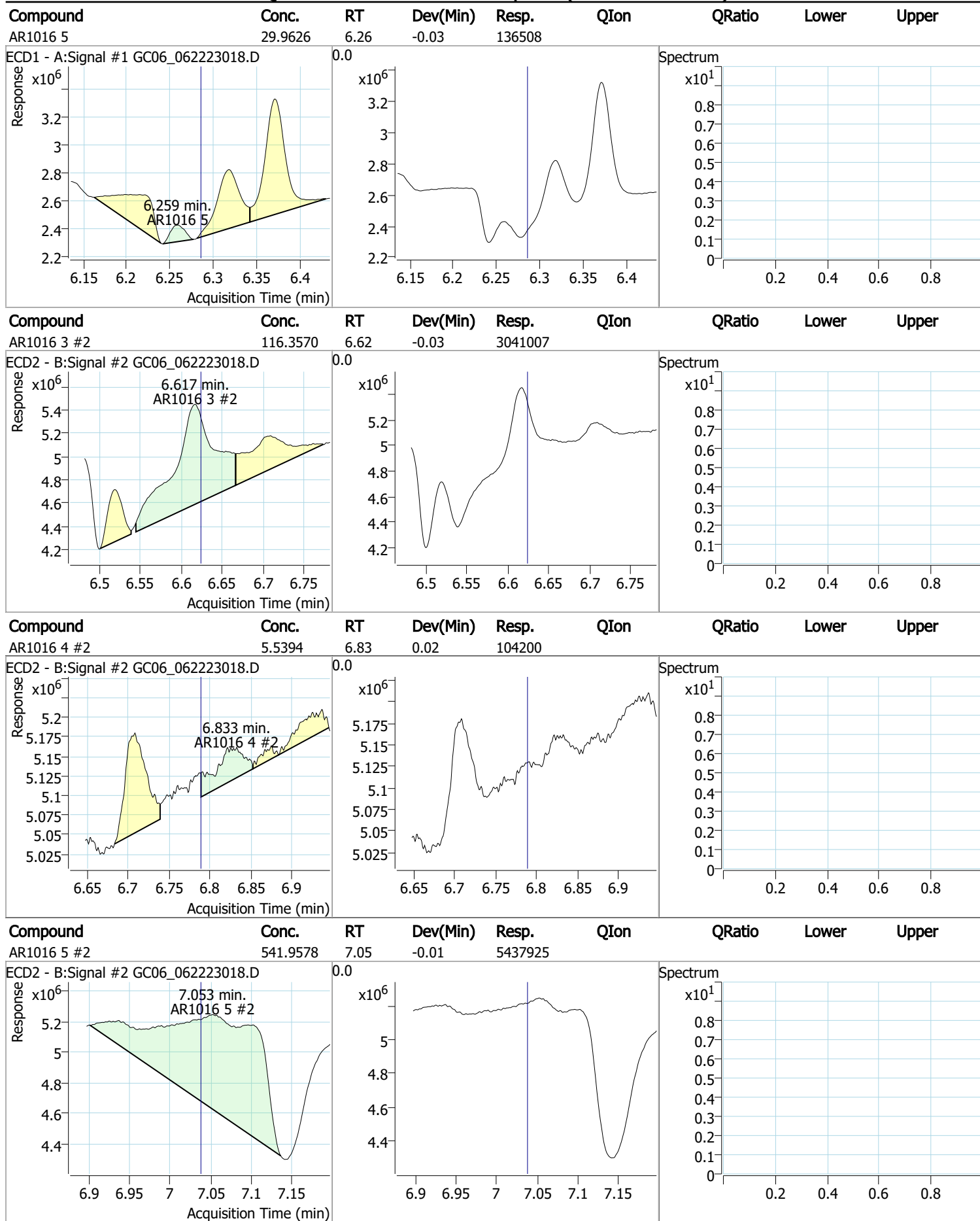
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	478.6881	6.14	0.03	2851542				



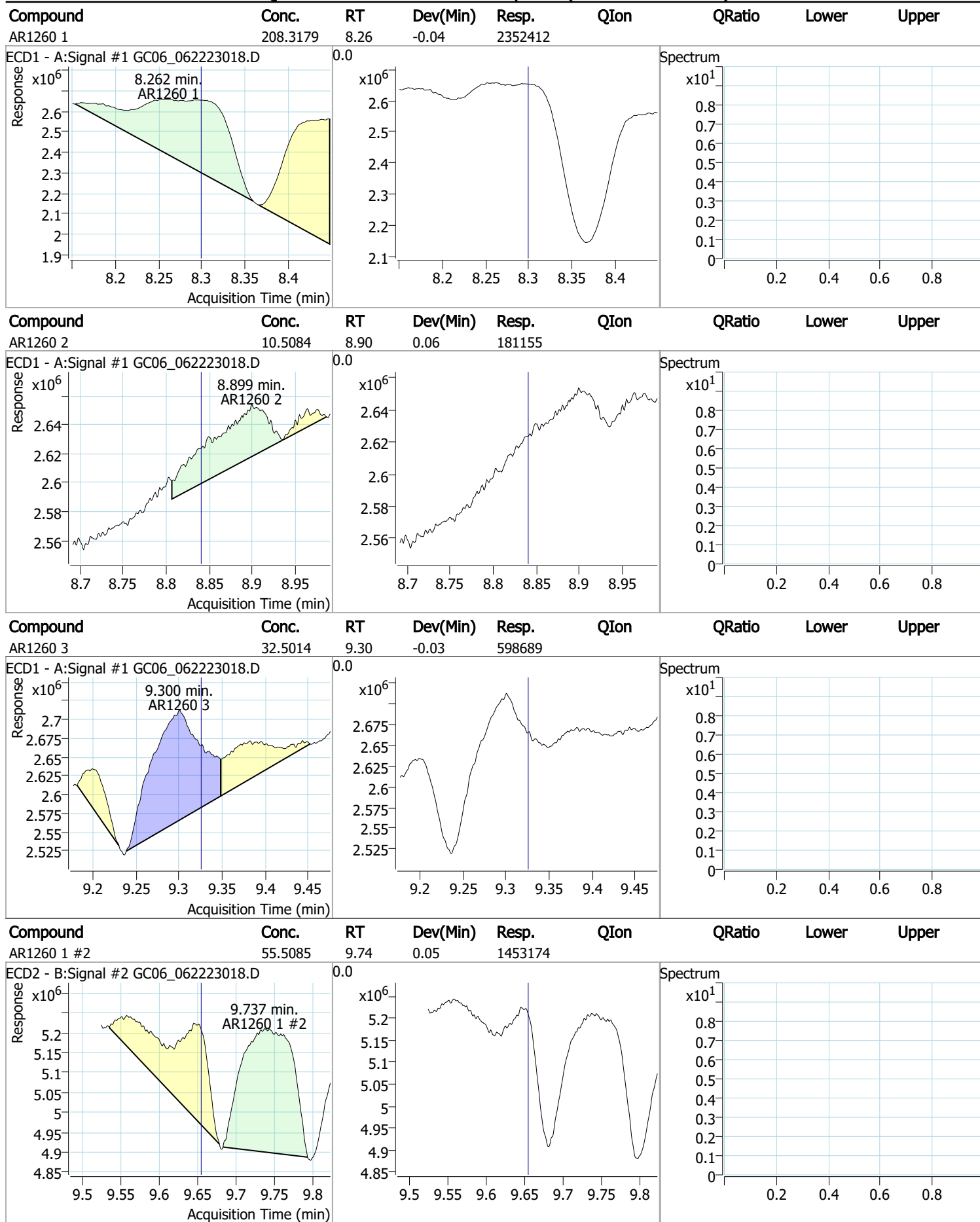
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	90.4752	6.07	-0.06	1965094				



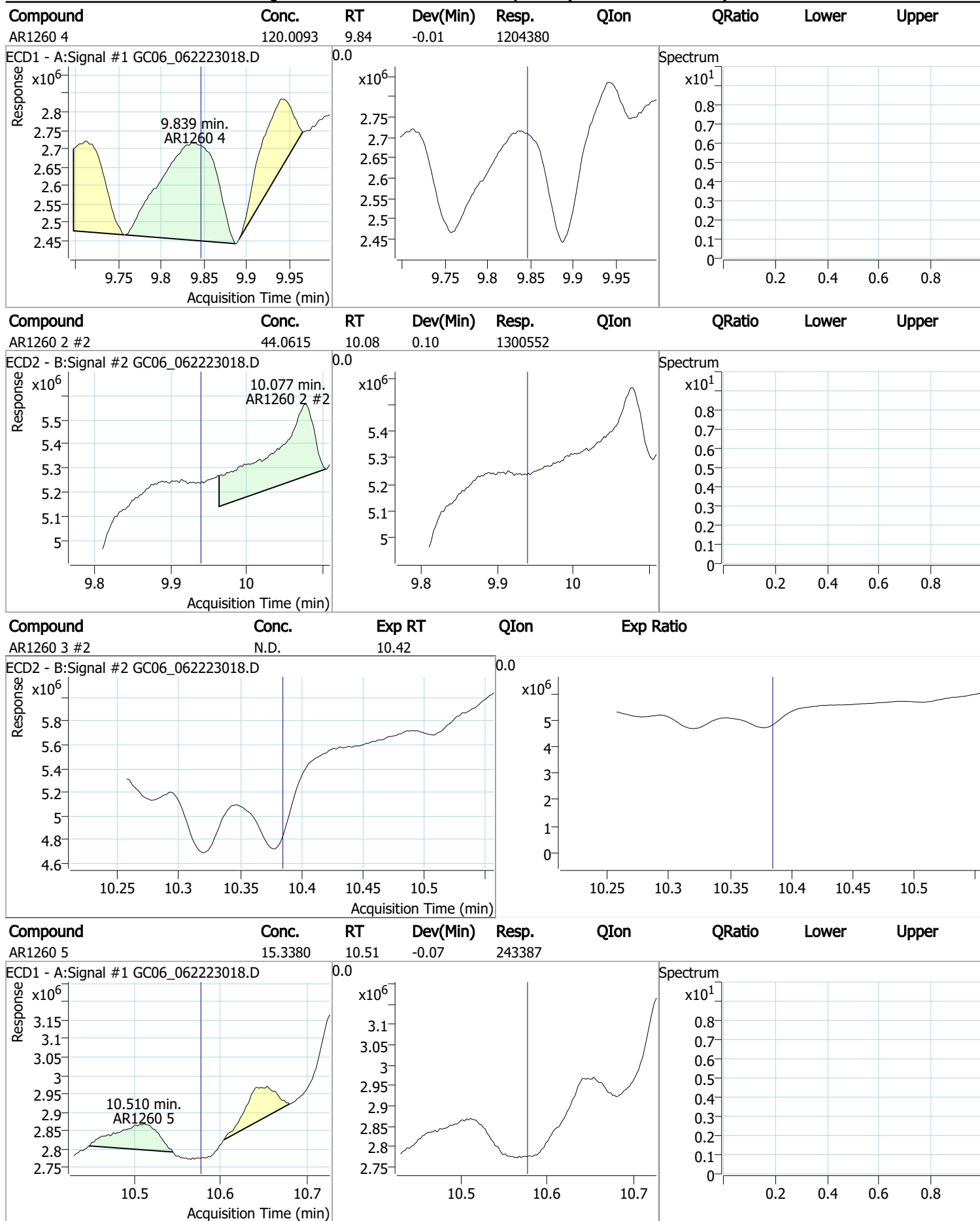
Quantitation Results Report (Not Reviewed)



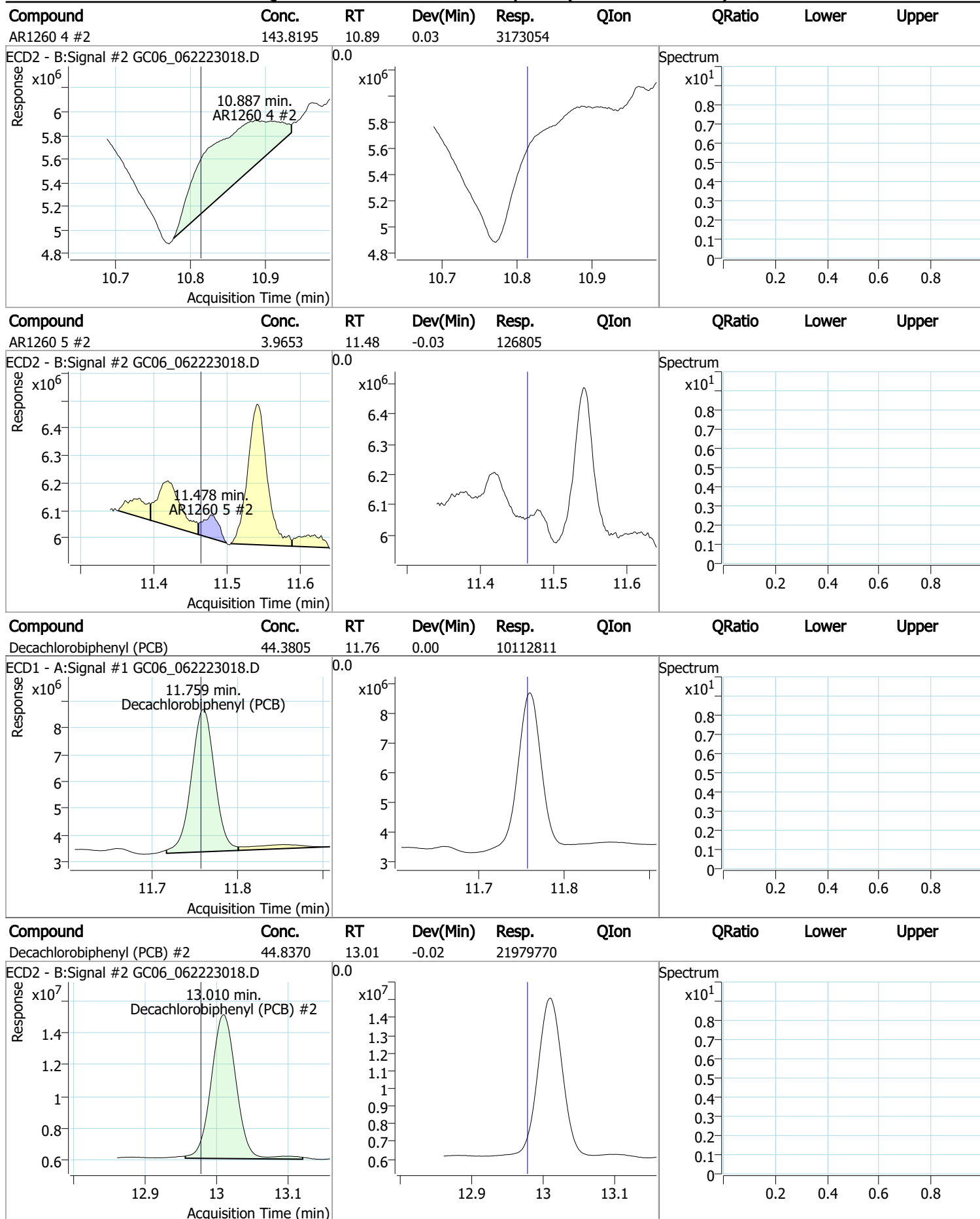
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-008	Client ID: ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-P-DUP-LA
Seqnum: 453249852019.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223019	Batch: 316643	Time: 22-JUN-2023 16:34
Cal: 453205686001	Caldate: 22-MAY-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	160.4	1.6 ^{FP}	1.9	18%	0.50		x u
Aroclor-1016 Peak # 1	B	38.45	0.38	0.46	18%			
Aroclor-1016 Peak # 2	B	157.9	1.58	1.48	6%			
Aroclor-1016 Peak # 3	B	116.4	1.16	2.50	73%			
Aroclor-1016 Peak # 4	B	3.400	0.03	4.85	197%			
Aroclor-1016 Peak # 5	B	486.1	4.86	0.34	174%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	17.28	ND	0.81	129%	0.50		u
Aroclor-1260 Peak # 1	B	24.18	0.24	2.08	158%			
Aroclor-1260 Peak # 2	B	58.95	0.59	0.13	127%			
Aroclor-1260 Peak # 3	B	0	ND	0.34				
Aroclor-1260 Peak # 4	B	0	ND	1.25				
Aroclor-1260 Peak # 5	B	3.247	0.03	0.23	151%			
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	37.07	0.5000	0.3707	74	19-121	u
Decachlorobiphenyl (PCB)	B	41.93	0.5000	0.4193	84	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_062223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9248949	0.00
1-bromo-2-nitrobenzene (PCB)	A	3197195	3281153	2.63

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_062223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

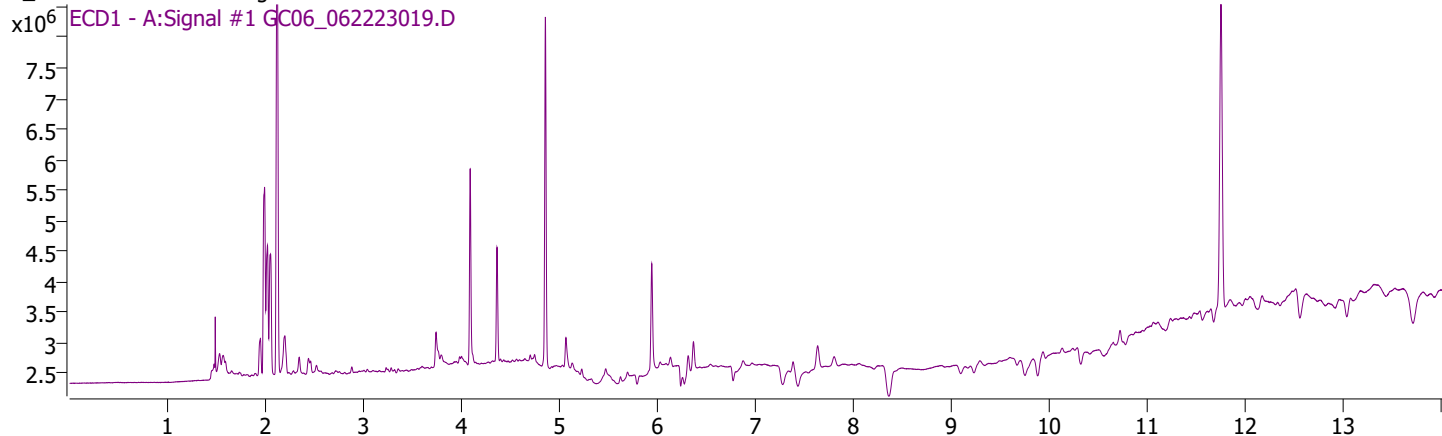
u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

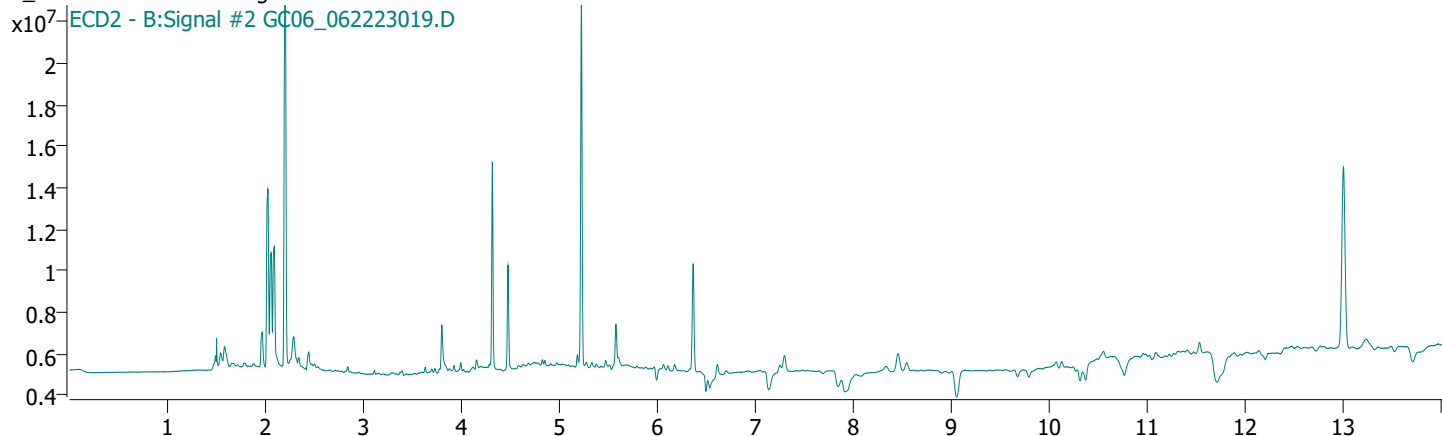
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223019.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 4:34:37 PM
Sample Name	487140-008, 316643, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223019.D No MS Signals



GC06_062223019.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.092	0.0	3281153.316	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9248948.966	20.0000	ng/ml	-0.017
System Monitoring Compounds						
S TCMX (PCB)	4.859	0.0	5833948.600	33.3666	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.83%	*	
S TCMX (PCB) #2	5.228	0.0	18187502.681	37.0709	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.35%	*	
S Decachlorobiphenyl (PCB)	11.759	0.0	9720803.620	44.3977	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.99%	*	
S Decachlorobiphenyl (PCB) #2	13.010	0.0	20480755.336	41.9321	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.66%	*	

Target Compounds

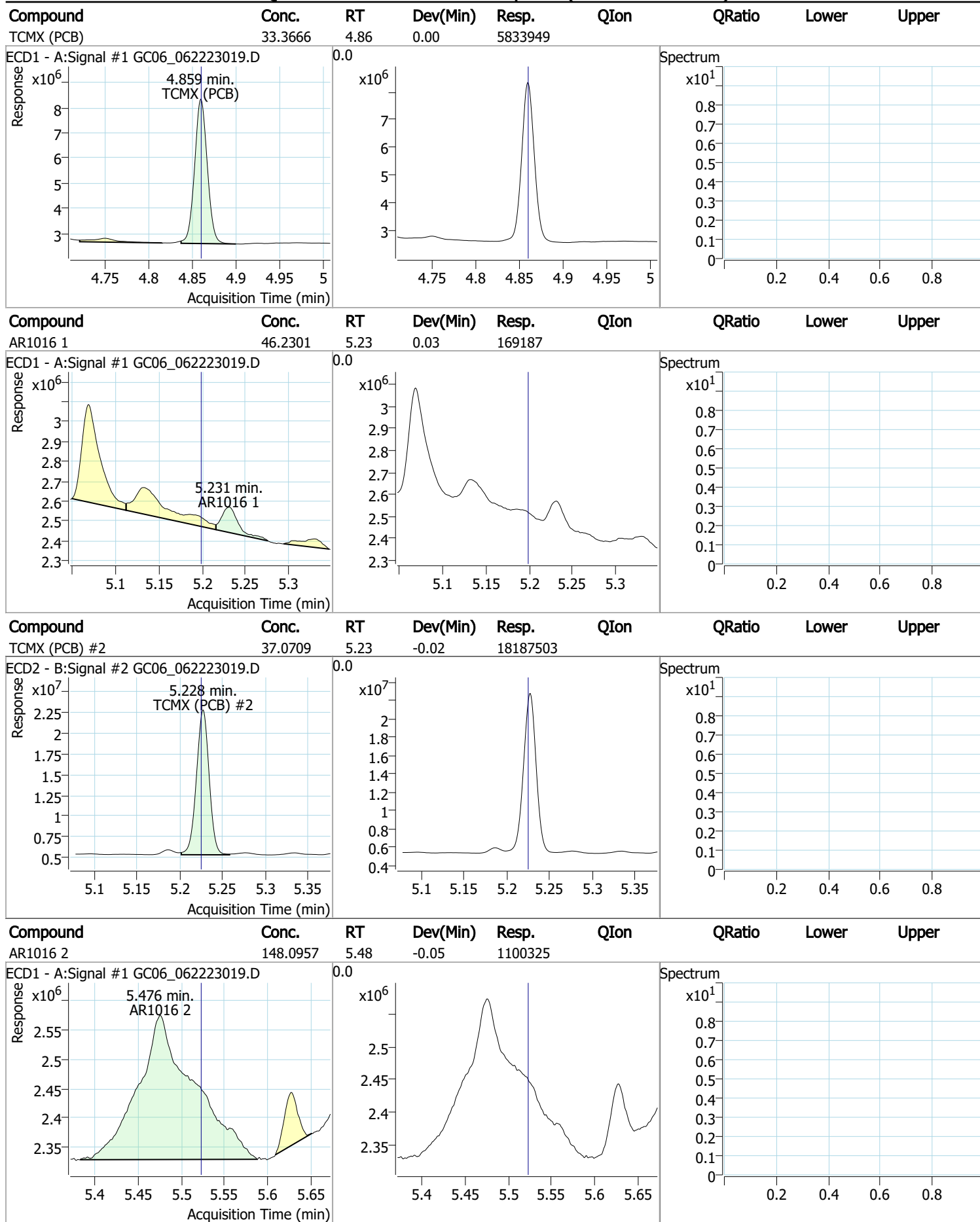
QValue

Quantitation Results Report (Not Reviewed)

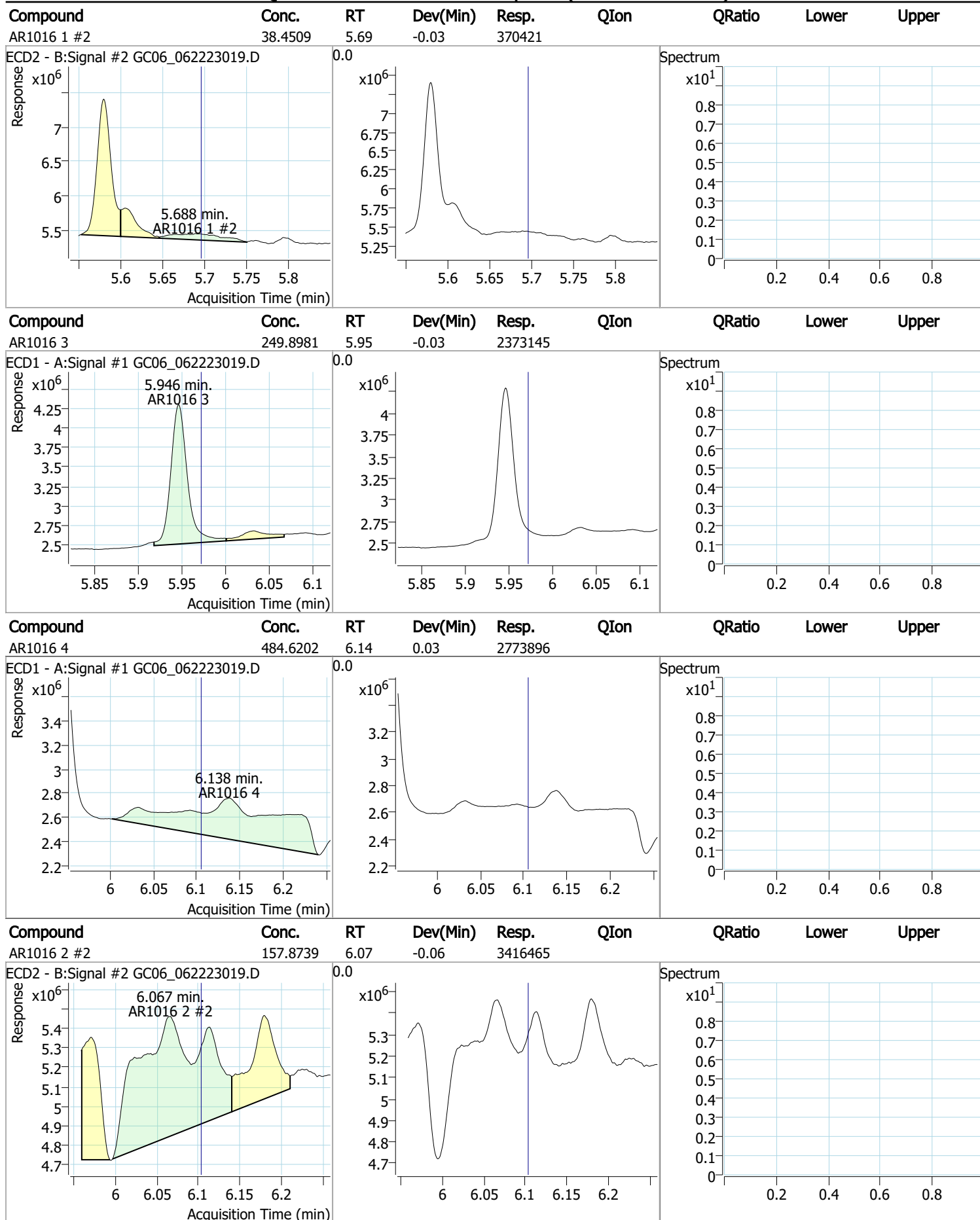
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.231	0.0	169187.050	46.2301	ng/ml	100
T AR1016 2	5.476	0.0	1100325.421	148.0957	ng/ml	100
T AR1016 1 #2	5.688	0.0	370421.285	38.4509	ng/ml	100
T AR1016 3	5.946	0.0	2373144.880	249.8981	ng/ml	100
T AR1016 4	6.138	0.0	2773896.226	484.6202	ng/ml	100
T AR1016 2 #2	6.067	0.0	3416464.826	157.8739	ng/ml	100
T AR1016 5	6.259	0.0	150125.564	34.2938	ng/ml	100
T AR1016 3 #2	6.617	0.0	3032363.537	116.4511	ng/ml	100
T AR1016 4 #2	6.829	0.0	63730.583	3.4004	ng/ml	100
T AR1016 5 #2	7.050	0.0	4859337.425	486.0674	ng/ml	100
T AR1260 1	8.298	0.0	2259852.329	208.2724	ng/ml	100
T AR1260 2	8.904	0.0	216430.036	13.0660	ng/ml	100
T AR1260 3	9.297	0.0	596061.104	33.6768	ng/ml	100
T AR1260 1 #2	9.650	0.0	630803.775	24.1837	ng/ml	100
T AR1260 4	9.843	0.0	1201530.987	124.6019	ng/ml	100
T AR1260 2 #2	10.077	0.0	1733695.832	58.9510	ng/ml	100
T AR1260 3 #2	0.000		0	N.D.		
T AR1260 5	10.510	0.0	357557.463	23.4506	ng/ml	100
T AR1260 4 #2	0.000		0	N.D.		
T AR1260 5 #2	11.478	0.0	103459.180	3.2471	ng/ml	100

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

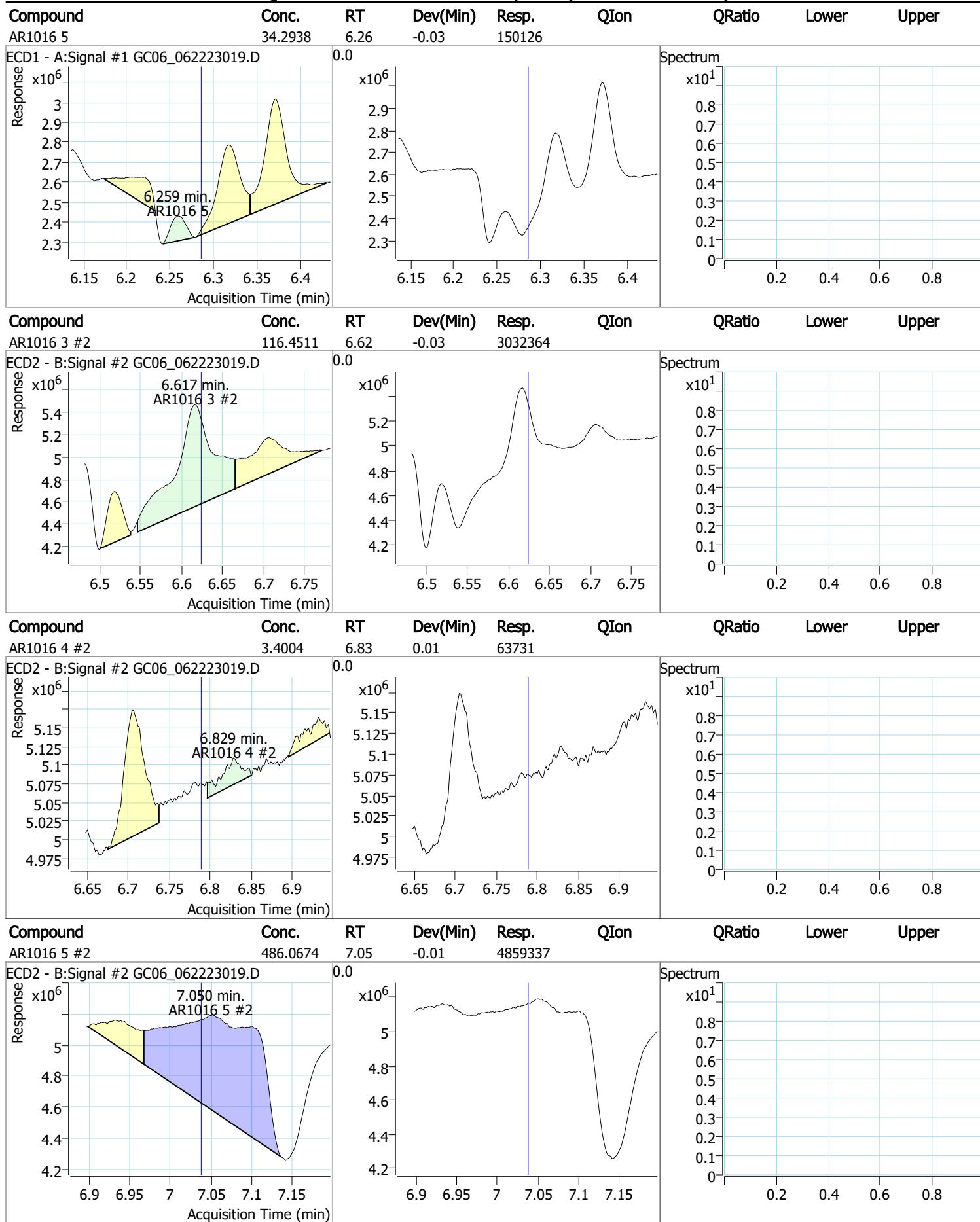
Quantitation Results Report (Not Reviewed)



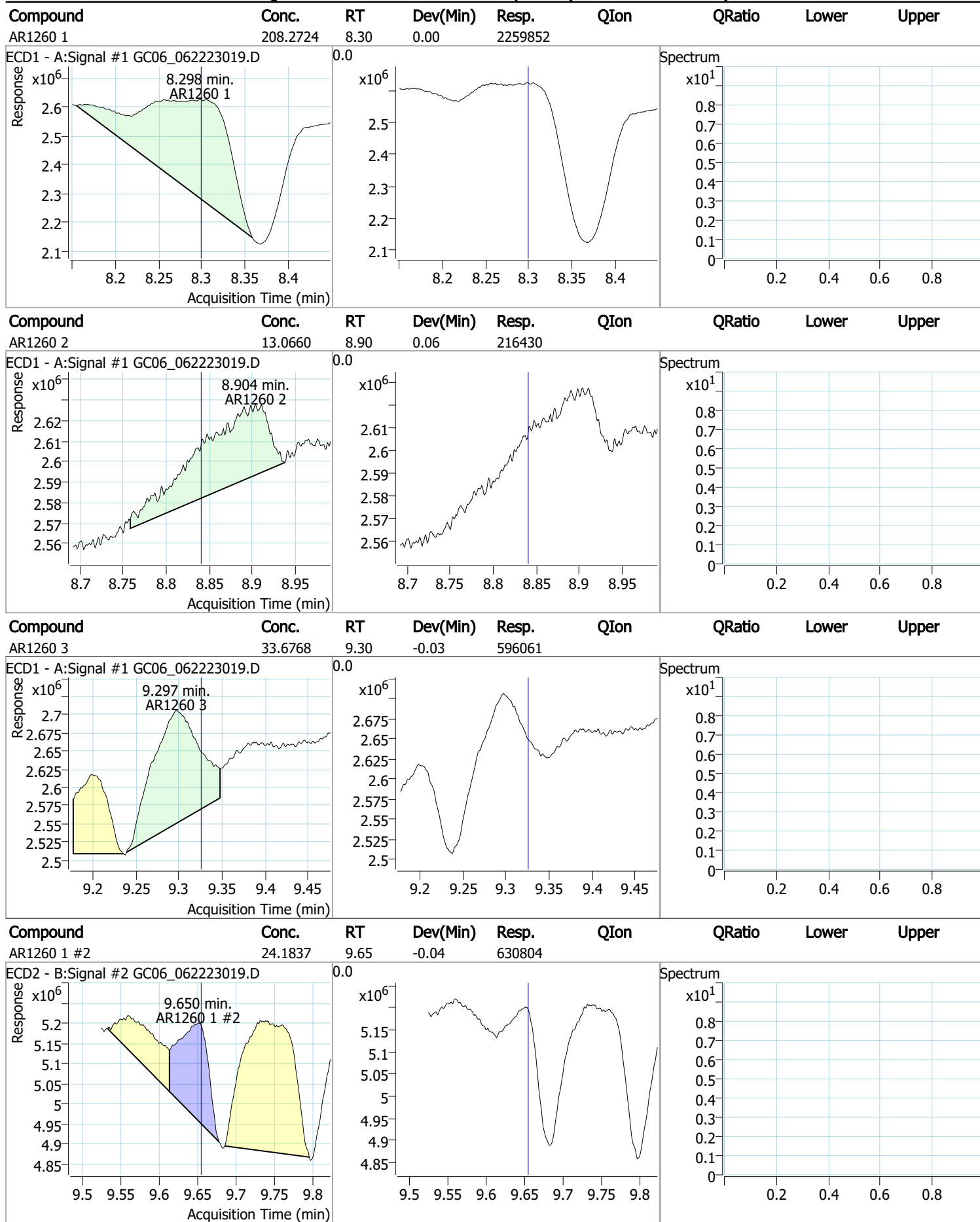
Quantitation Results Report (Not Reviewed)



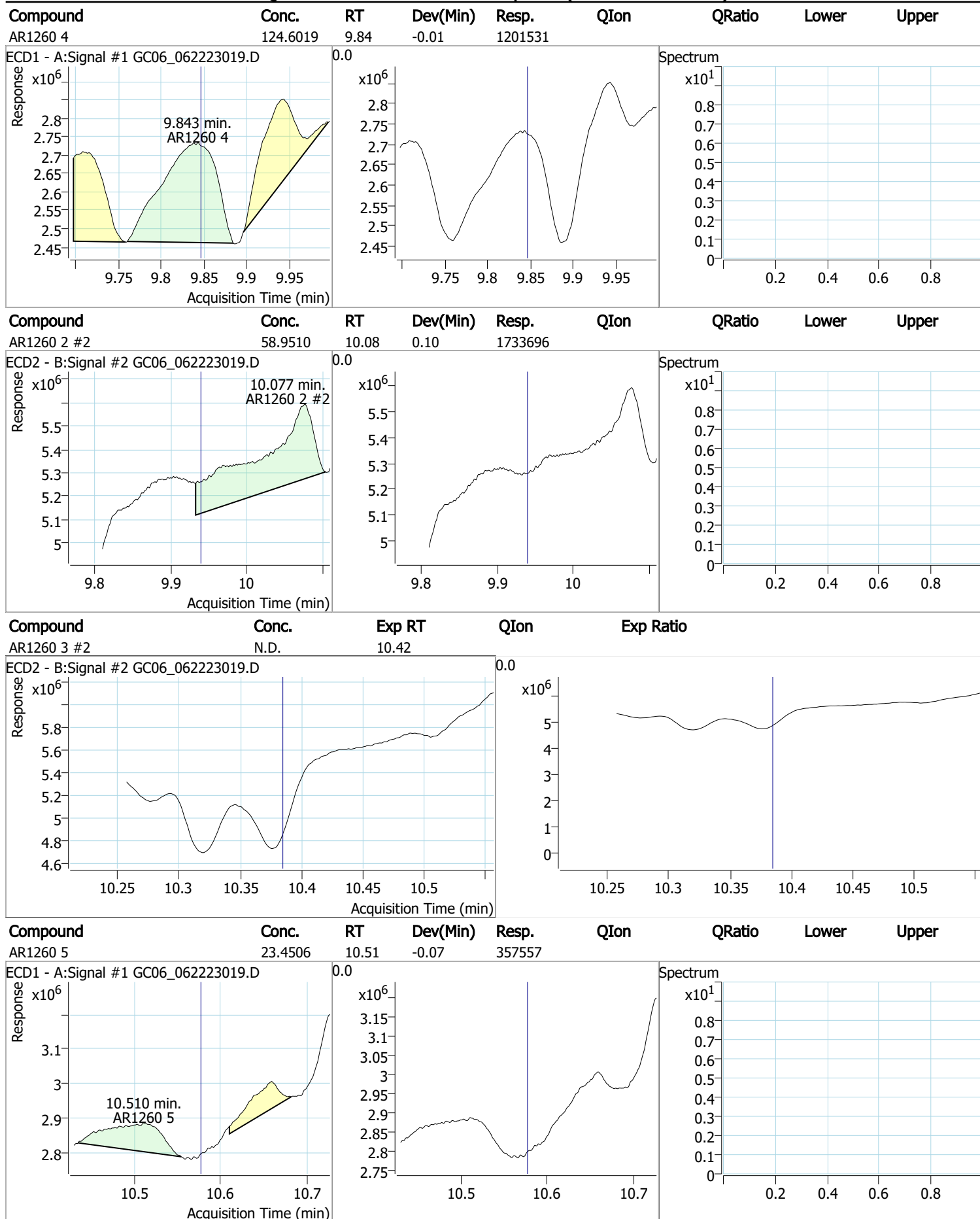
Quantitation Results Report (Not Reviewed)



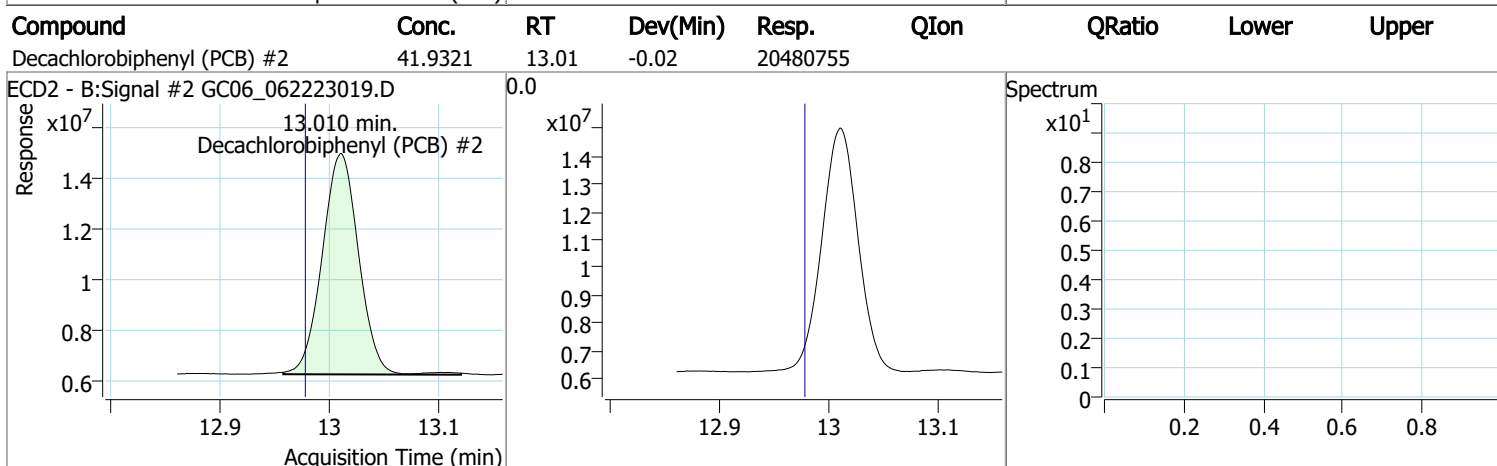
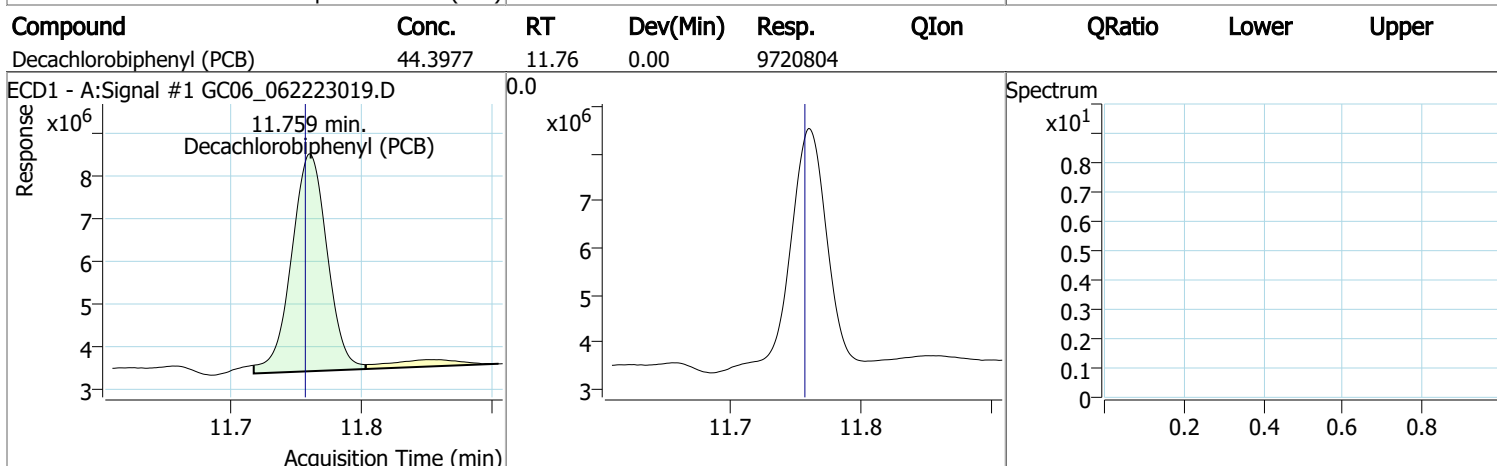
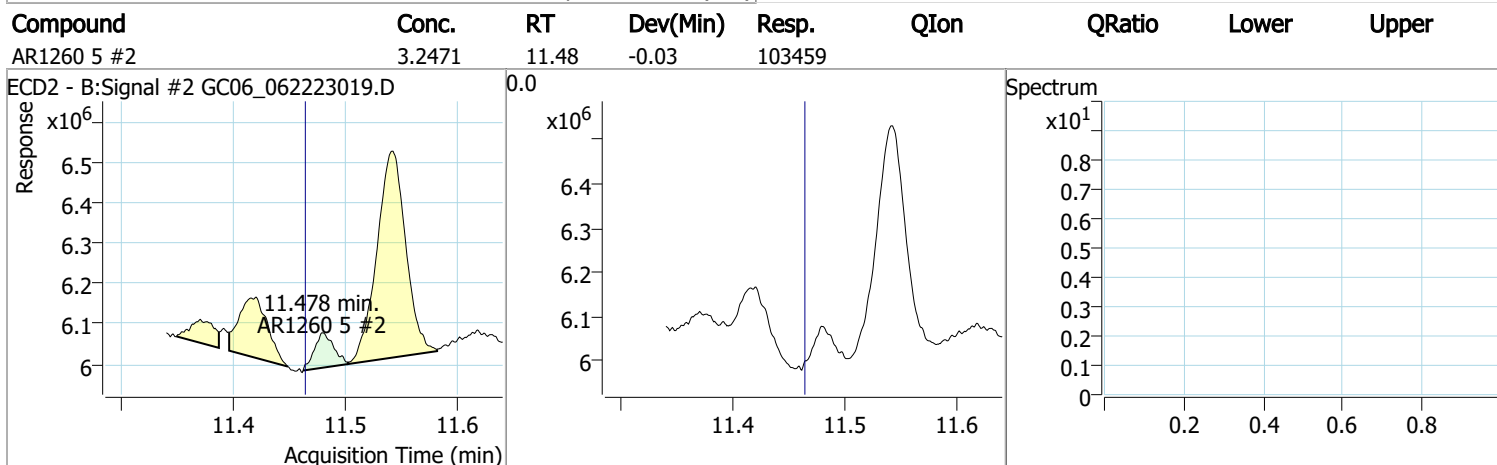
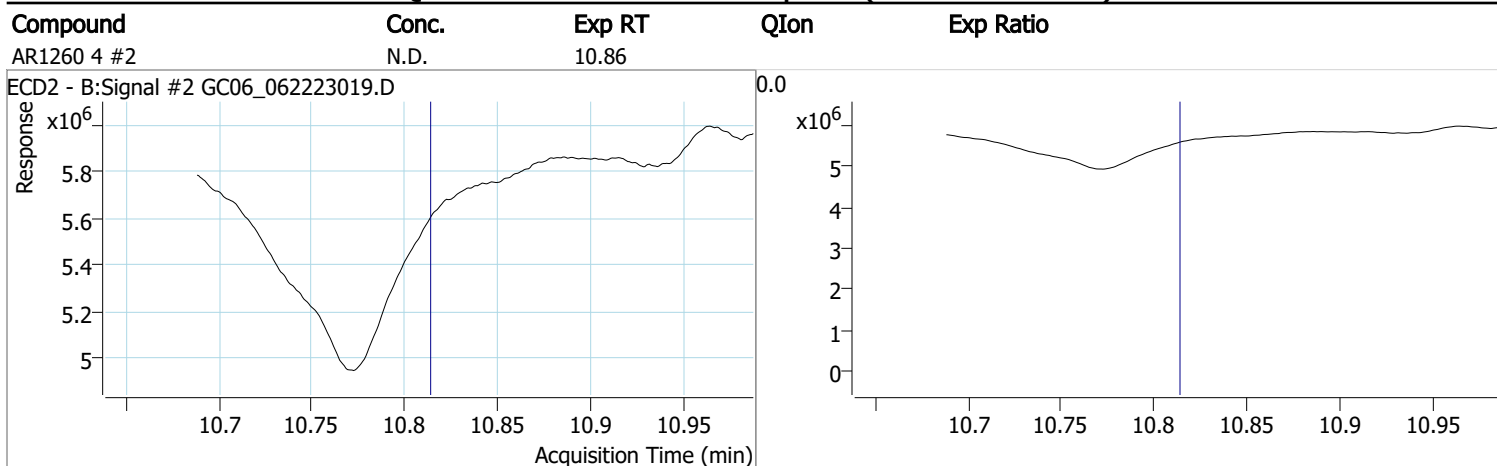
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-010	Client ID: ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-P-LA
Seqnum: 453249852020.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223020	Batch: 316643	Time: 22-JUN-2023 16:52
Cal: 453205686001	Caldate: 22-MAY-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	156.4	1.6 FP	1.2	29%	0.50		x u
Aroclor-1016 Peak # 1	B	34.50	0.34	0.51	39%			
Aroclor-1016 Peak # 2	B	135.5	1.36	1.28	6%			
Aroclor-1016 Peak # 3	B	109.5	1.09	0.80	31%			
Aroclor-1016 Peak # 4	B	3.813	0.04	2.93	195%			
Aroclor-1016 Peak # 5	B	498.8	4.99	0.33	175%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	17.80	ND	0.73	122%	0.50		u
Aroclor-1260 Peak # 1	B	22.04	0.22	1.91	159%			
Aroclor-1260 Peak # 2	B	46.14	0.46	0.09	135%			
Aroclor-1260 Peak # 3	B	16.86	0.17	0.32	62%			
Aroclor-1260 Peak # 4	B	0	ND	1.18				
Aroclor-1260 Peak # 5	B	3.939	0.04	0.17	124%			
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	35.91	0.5000	0.3591	72	19-121	u
Decachlorobiphenyl (PCB)	B	39.83	0.5000	0.3983	80	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_062223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9645498	4.28
1-bromo-2-nitrobenzene (PCB)	A	3197195	3456935	8.12

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_062223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

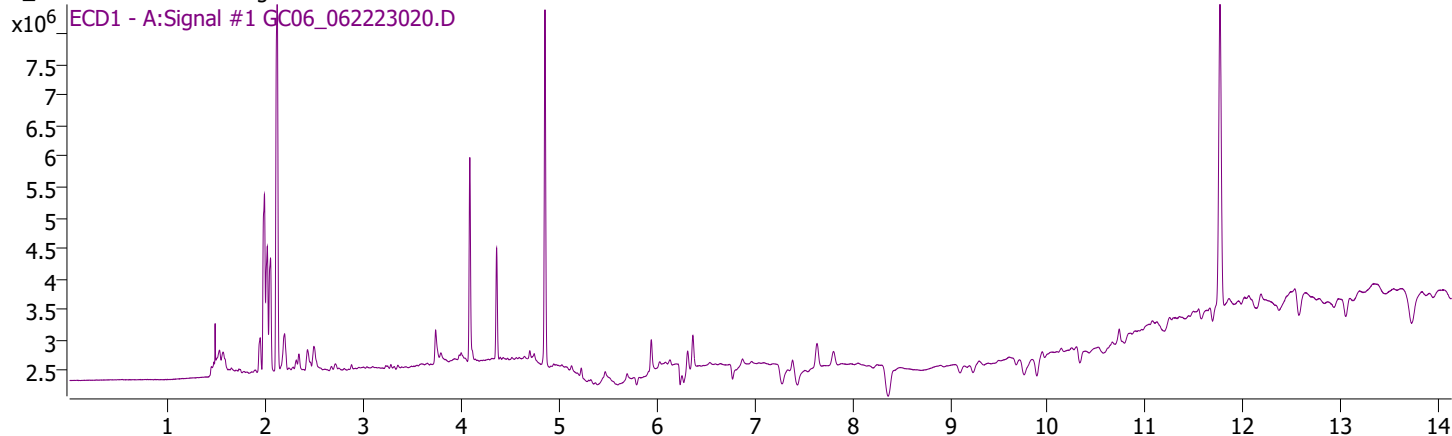
u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

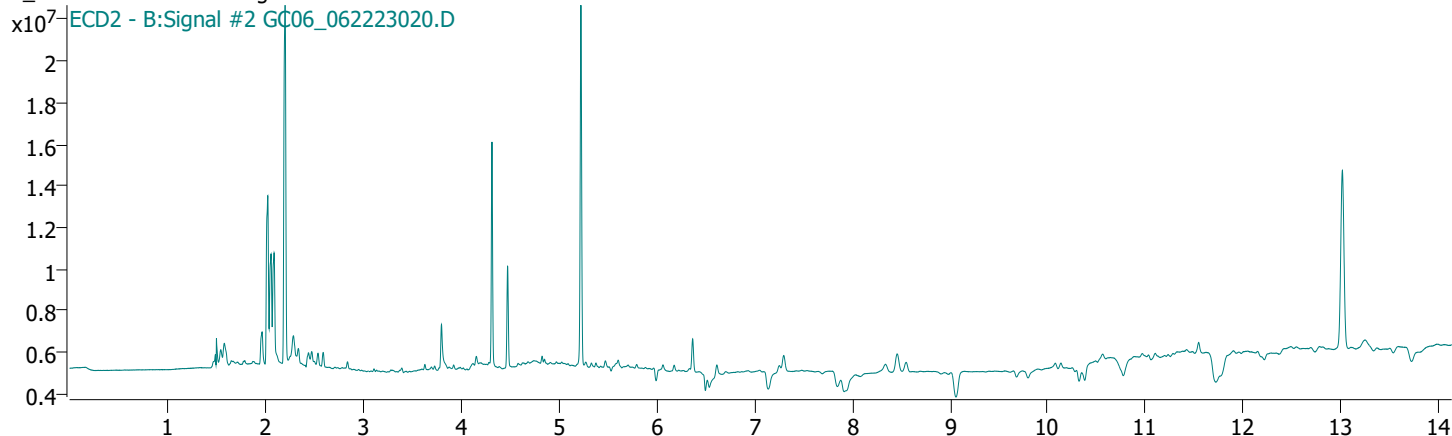
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223020.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 4:52:56 PM
Sample Name	487140-010, 316643, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223020.D No MS Signals



GC06_062223020.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.092	0.0	3456935.14 7	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9645498.03 2	20.0000	ng/ml	-0.017
System Monitoring Compounds						
S TCMX (PCB)	4.860	0.0	5870100.82 8	31.8662	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.33%	*	
S TCMX (PCB) #2	5.227	0.0	18371466.5 29	35.9064	ng/ml	-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.53%	*	
S Decachlorobiphenyl (PCB)	11.759	0.0	9682608.01 2	41.9746	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.87%	*	
S Decachlorobiphenyl (PCB) #2	13.010	0.0	20286745.8 63	39.8273	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.14%	*	

Target Compounds

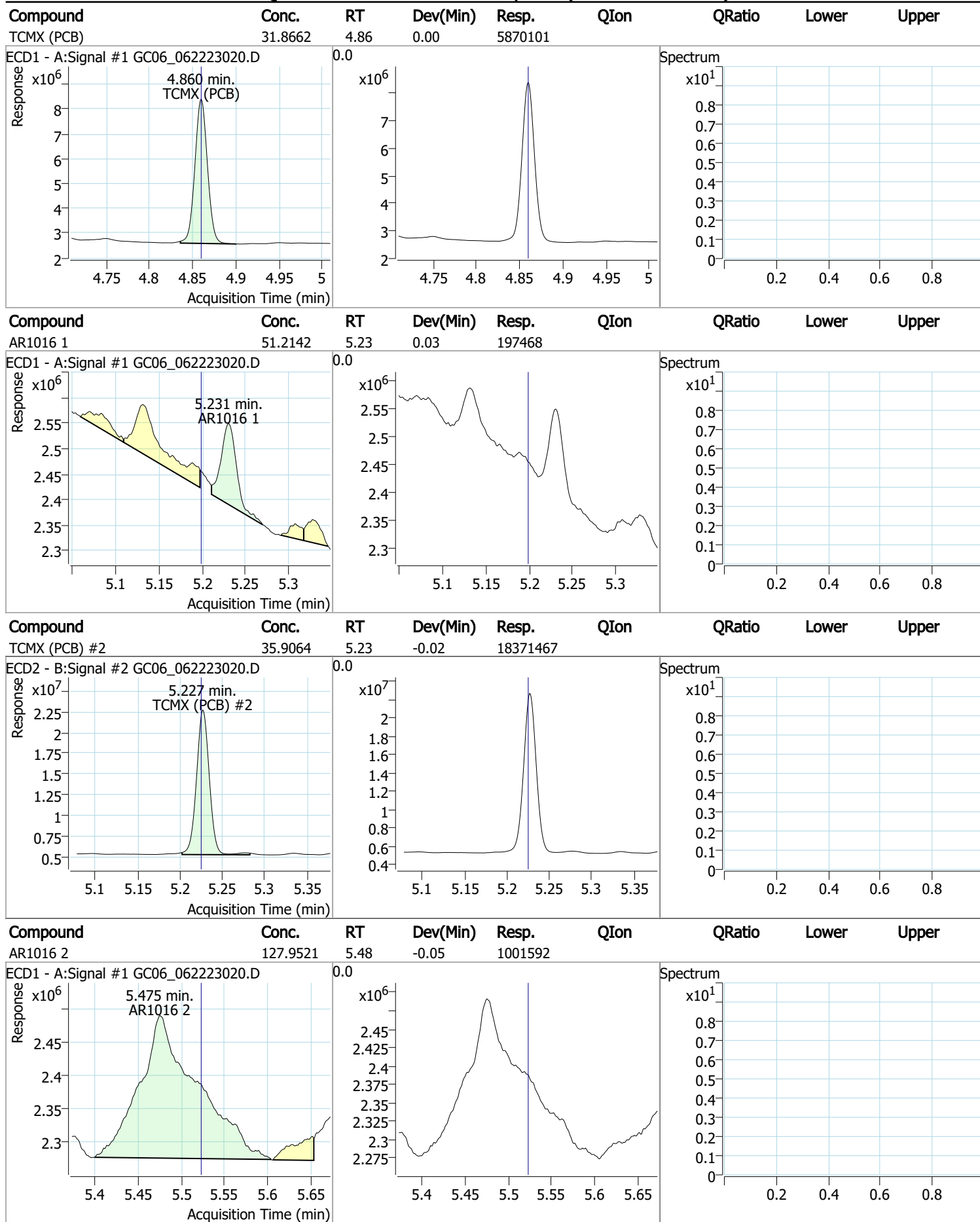
QValue

Quantitation Results Report (Not Reviewed)

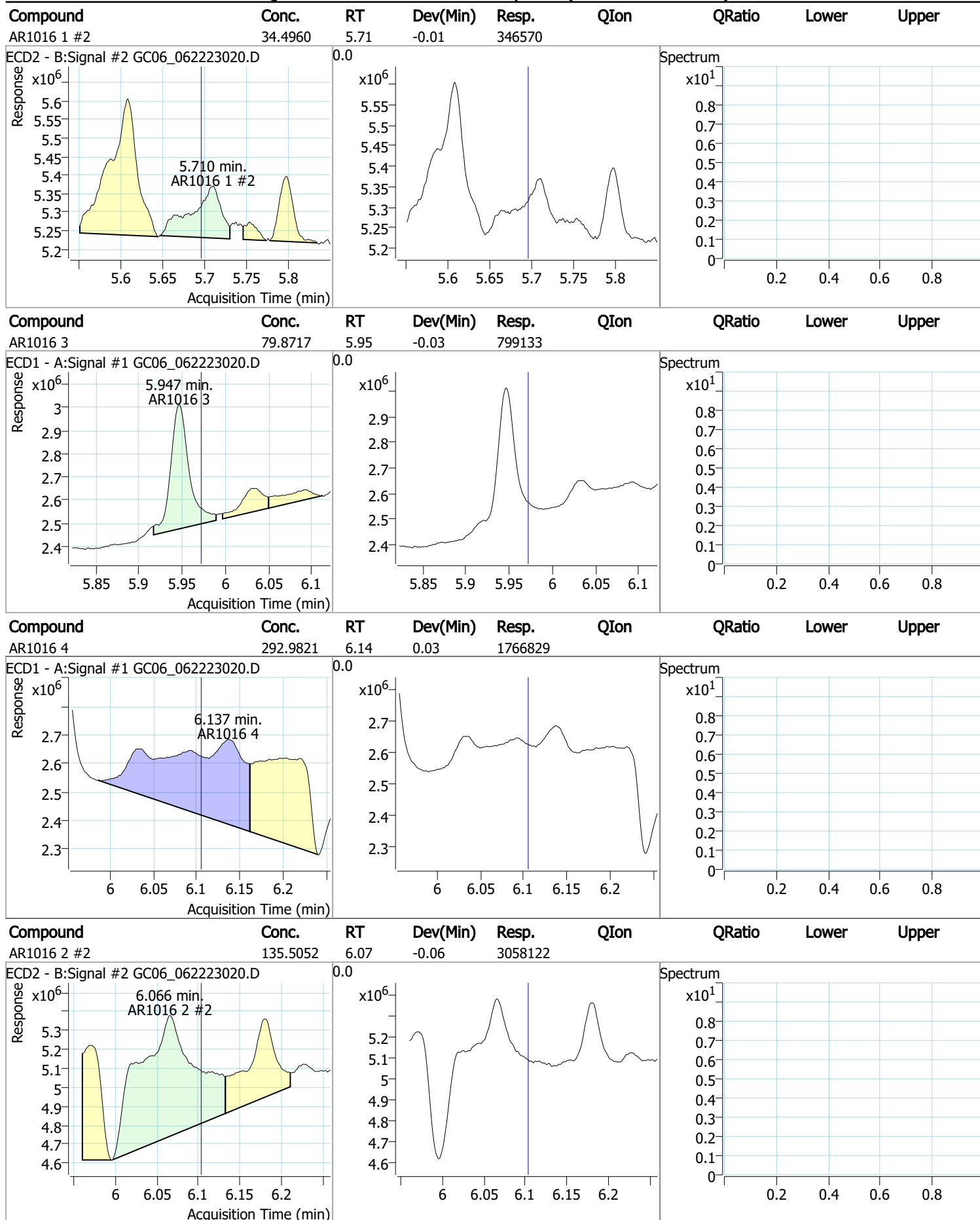
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.231	0.0	197468.314	51.2142	ng/ml	100
T AR1016 2	5.475	0.0	1001591.88 3	127.9521	ng/ml	100
T AR1016 1 #2	5.710	0.0	346569.653	34.4960	ng/ml	100
T AR1016 3	5.947	0.0	799132.902	79.8717	ng/ml	100
T AR1016 4	6.137	0.0	1766828.89 8	292.9821	ng/ml	100
T AR1016 2 #2	6.066	0.0	3058121.99 8	135.5052	ng/ml	100
T AR1016 5	6.261	0.0	152413.350	33.0460	ng/ml	100
T AR1016 3 #2	6.617	0.0	2973210.81 1	109.4853	ng/ml	100
T AR1016 4 #2	6.831	0.0	74525.018	3.8129	ng/ml	100
T AR1016 5 #2	7.053	0.0	5200651.36 5	498.8212	ng/ml	100
T AR1260 1	8.251	0.0	2182023.16 6	190.8738	ng/ml	100
T AR1260 2	8.905	0.0	154856.915	8.8734	ng/ml	100
T AR1260 3	9.295	0.0	596914.000	32.0101	ng/ml	100
T AR1260 1 #2	9.647	0.0	599665.824	22.0448	ng/ml	100
T AR1260 4	9.840	0.0	1202974.93 4	118.4082	ng/ml	100
T AR1260 2 #2	10.075	0.0	1415282.66 3	46.1455	ng/ml	100
T AR1260 3 #2	10.348	0.0	661854.033	16.8632	ng/ml	100
T AR1260 5	10.513	0.0	270711.468	16.8519	ng/ml	100
T AR1260 4 #2	0.000		0	N.D.		
T AR1260 5 #2	11.477	0.0	130897.643	3.9393	ng/ml	100

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

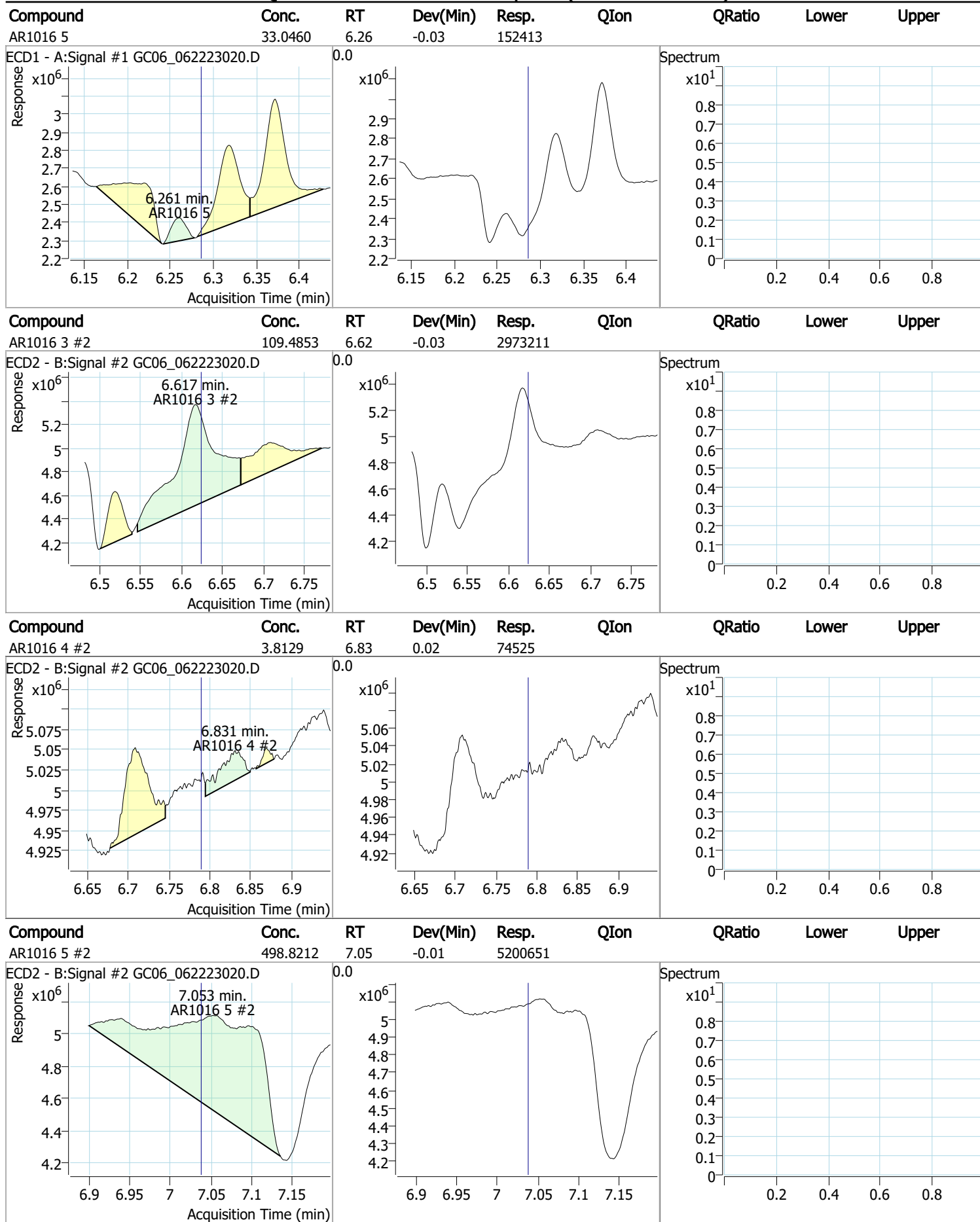
Quantitation Results Report (Not Reviewed)



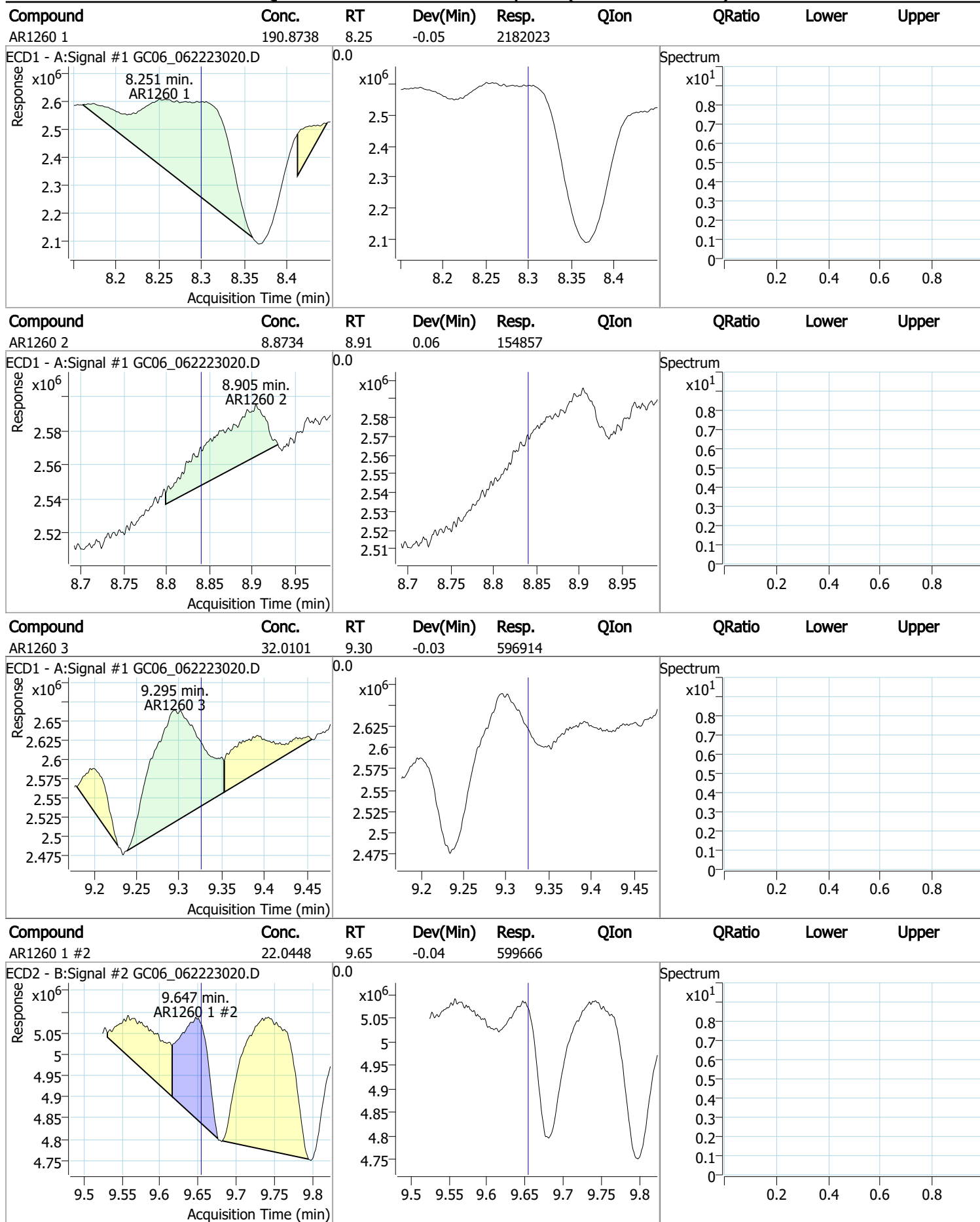
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



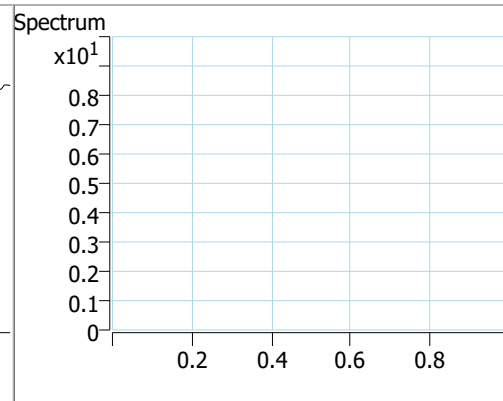
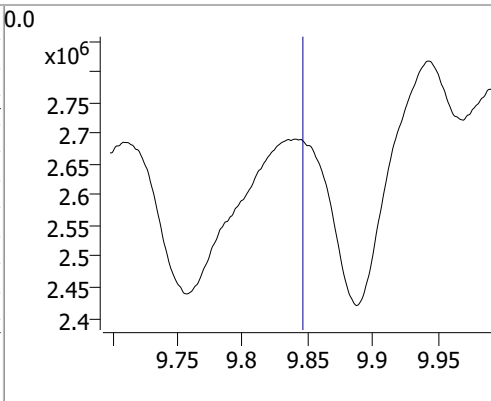
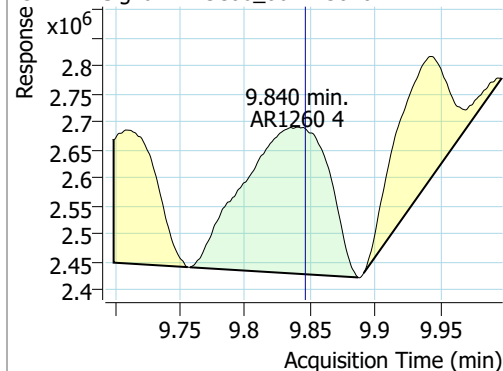
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

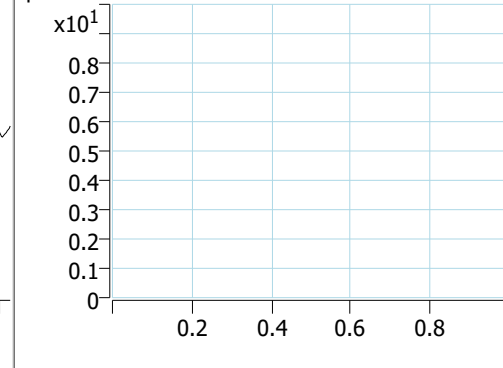
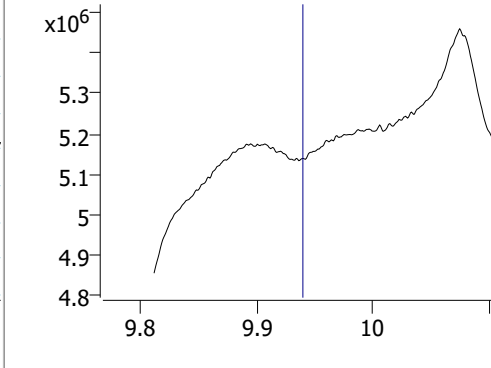
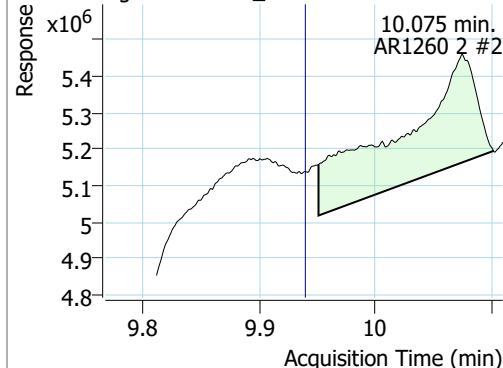
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	118.4082	9.84	-0.01	1202975				

ECD1 - A:Signal #1 GC06_062223020.D



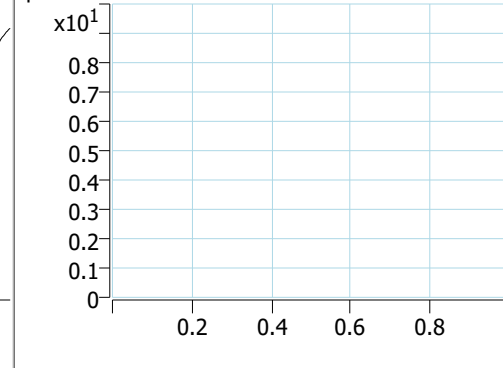
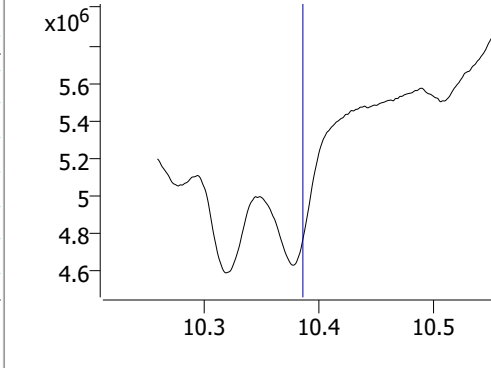
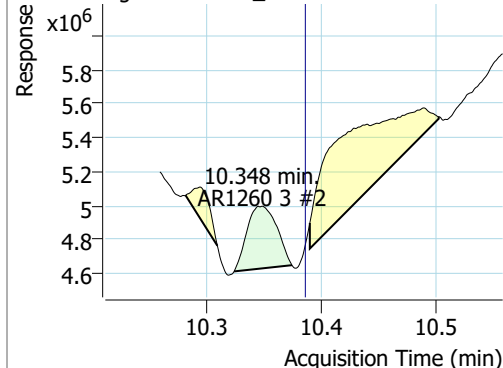
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	46.1455	10.08	0.10	1415283				

ECD2 - B:Signal #2 GC06_062223020.D



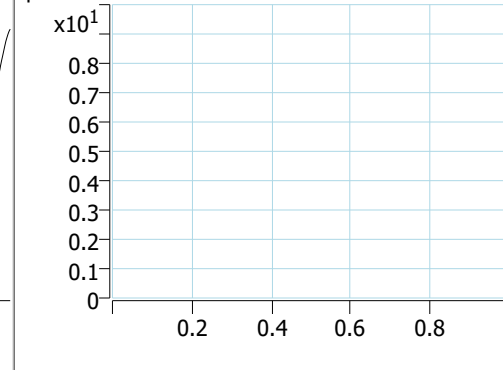
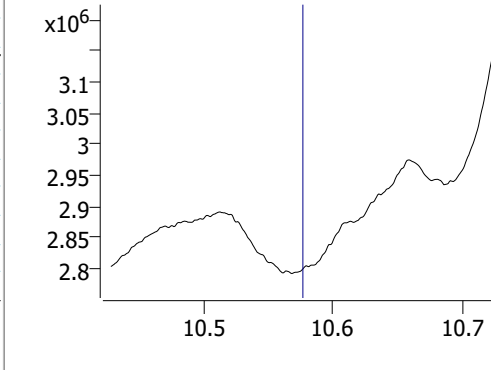
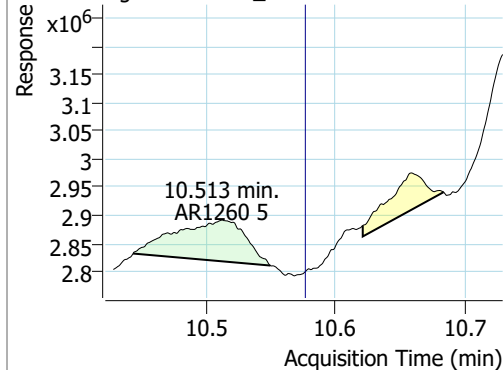
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	16.8632	10.35	-0.08	661854				

ECD2 - B:Signal #2 GC06_062223020.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	16.8519	10.51	-0.07	270711				

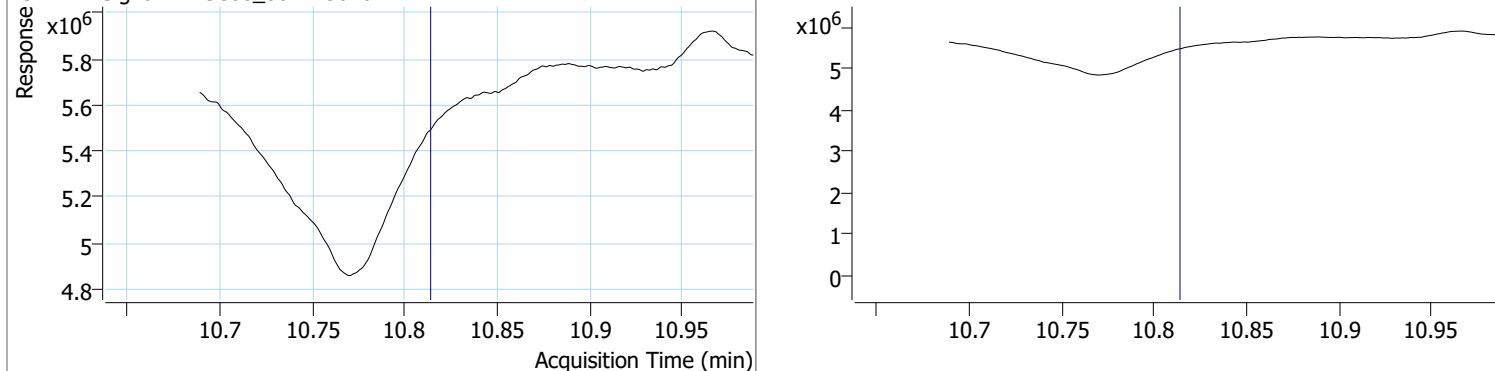
ECD1 - A:Signal #1 GC06_062223020.D



Quantitation Results Report (Not Reviewed)

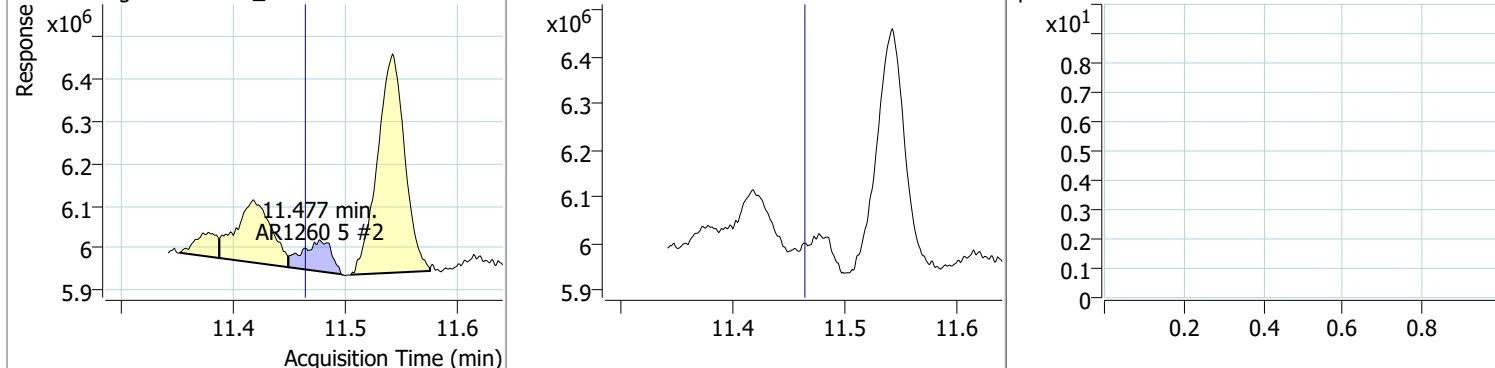
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 4 #2	N.D.	10.86		

ECD2 - B:Signal #2 GC06_062223020.D



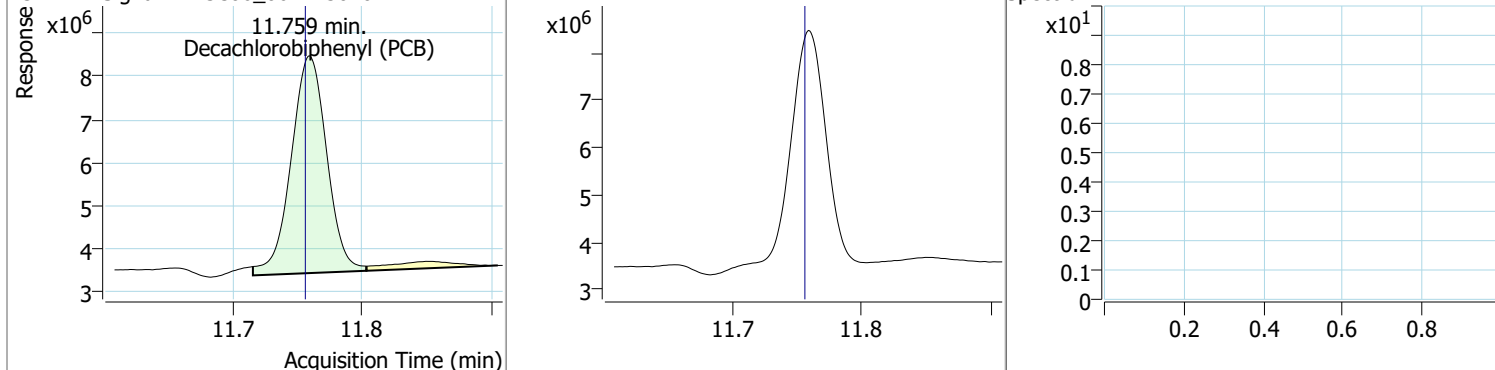
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	3.9393	11.48	-0.03	130898				

ECD2 - B:Signal #2 GC06_062223020.D



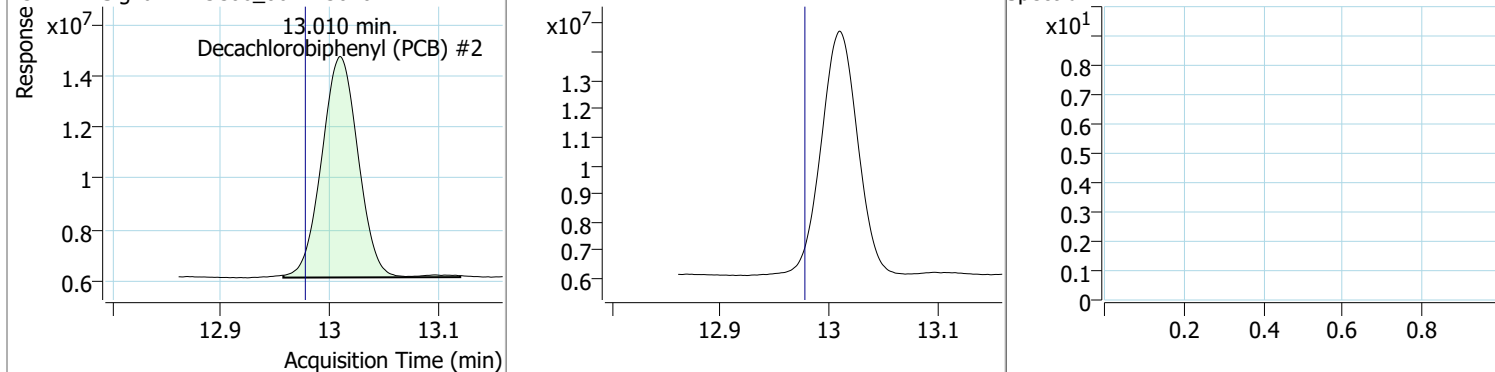
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	41.9746	11.76	0.00	9682608				

ECD1 - A:Signal #1 GC06_062223020.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.8273	13.01	-0.02	20286746				

ECD2 - B:Signal #2 GC06_062223020.D



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-011	Client ID: ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-P-DUP-LA
Seqnum: 453249852021.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223021	Batch: 316643	Time: 22-JUN-2023 17:11
Cal: 453205686001	Caldate: 22-MAY-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	127.4	1.3 ^{FP}	1.6	23%	0.50		x u
Aroclor-1016 Peak # 1	B	43.63	0.44	0.50	14%			
Aroclor-1016 Peak # 2	B	32.32	0.32	0.07	132%			
Aroclor-1016 Peak # 3	B	110.3	1.10	2.58	80%			
Aroclor-1016 Peak # 4	B	4.063	0.04	4.54	196%			
Aroclor-1016 Peak # 5	B	446.9	4.47	0.35	171%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	37.49	ND	0.79	71%	0.50		u
Aroclor-1260 Peak # 1	B	23.72	0.24	2.04	158%			
Aroclor-1260 Peak # 2	B	40.06	0.40	0.05	154%			
Aroclor-1260 Peak # 3	B	0	ND	0.36				
Aroclor-1260 Peak # 4	B	121.3	1.21	1.24	2%			
Aroclor-1260 Peak # 5	B	2.416	0.02	0.25	164%			
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	38.39	0.5000	0.3839	77	19-121	u
Decachlorobiphenyl (PCB)	B	42.31	0.5000	0.4231	85	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_062223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9690221	4.77
1-bromo-2-nitrobenzene (PCB)	A	3197195	3517194	10.01

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_062223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

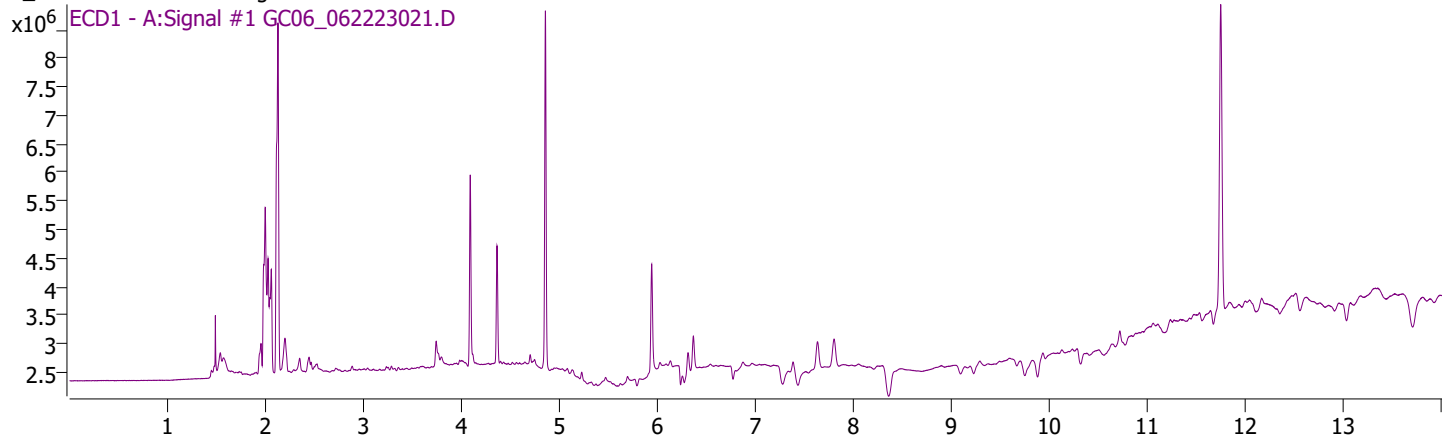
u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

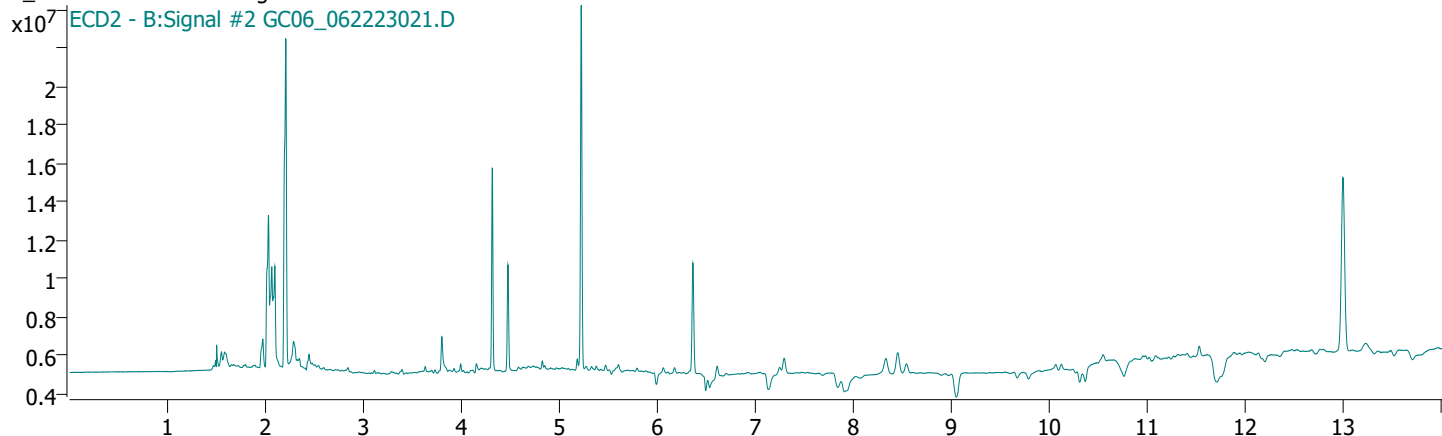
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223021.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 5:11:42 PM
Sample Name	487140-011, 316643, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223021.D No MS Signals



GC06_062223021.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	3517193.88 1	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9690221.07 9	20.0000	ng/ml	-0.016
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	6295714.14 3	33.5912	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.96%	*	
S TCMX (PCB) #2	5.228	0.0	19732375.2 56	38.3883	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.94%	*	
S Decachlorobiphenyl (PCB)	11.761	0.0	10319471.6 60	43.9690	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.84%	*	
S Decachlorobiphenyl (PCB) #2	13.010	0.0	21654079.9 94	42.3154	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.58%	*	

Target Compounds

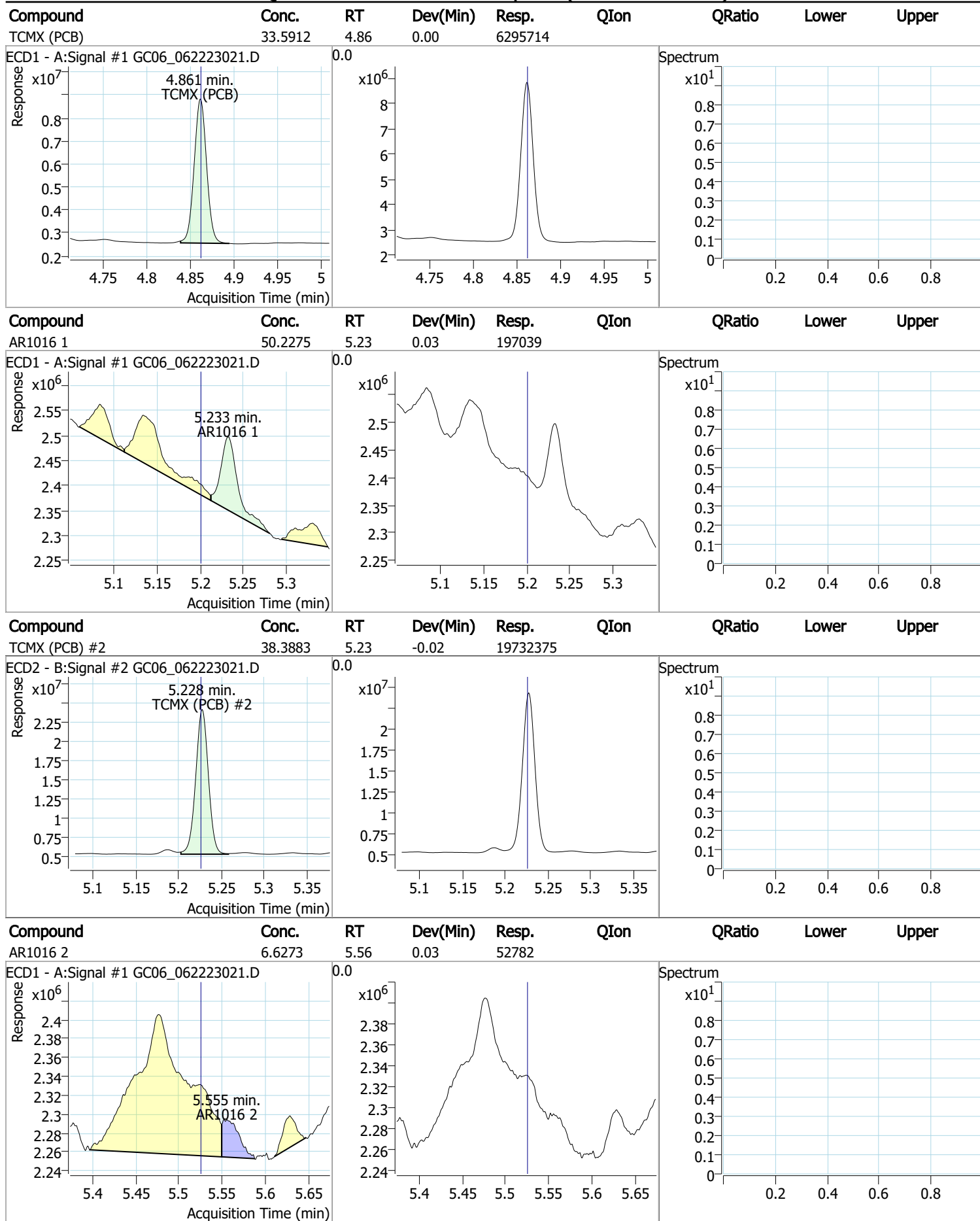
QValue

Quantitation Results Report (Not Reviewed)

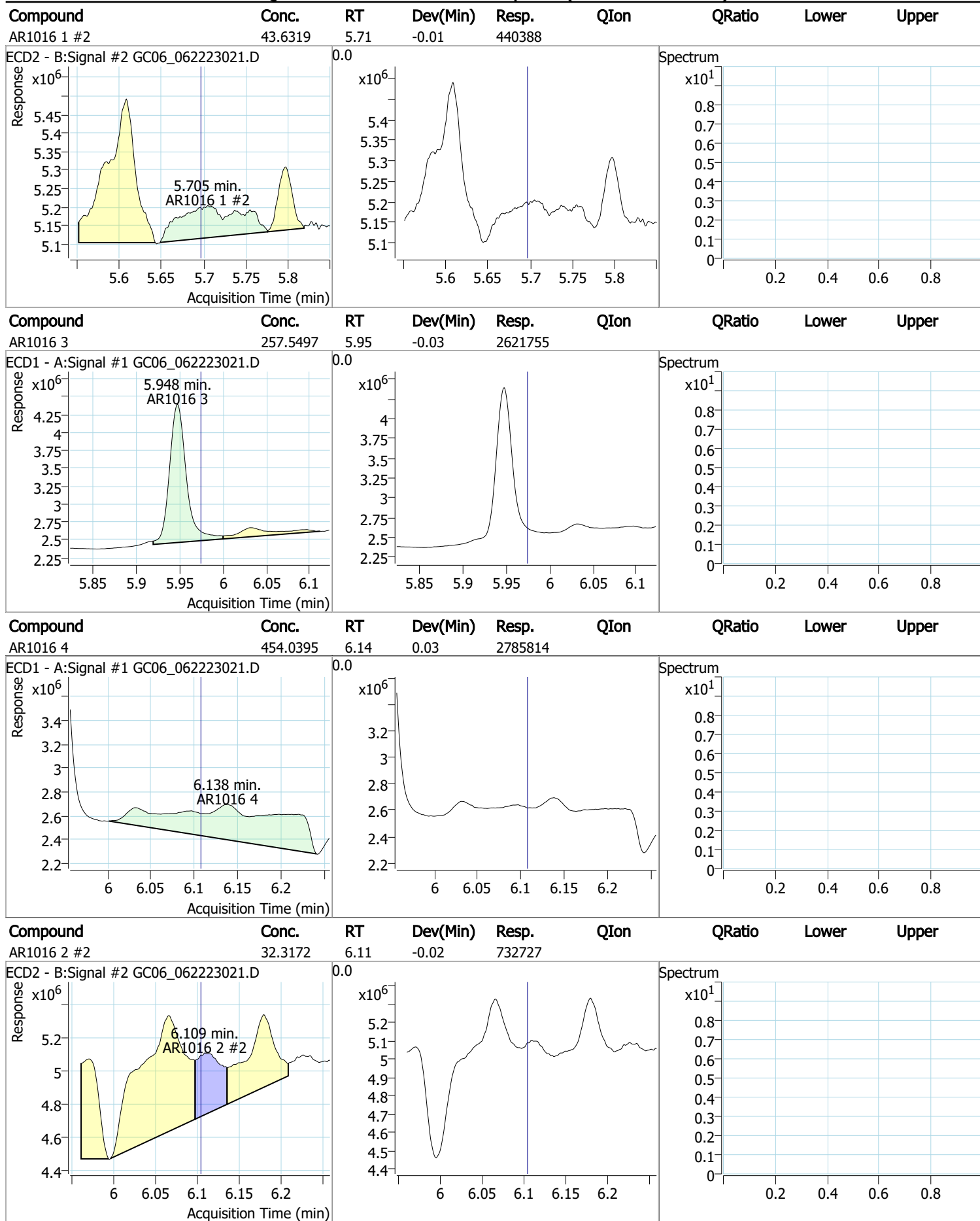
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.233	0.0	197039.474	50.2275	ng/ml	100
T AR1016 2	5.555	0.0	52782.236	6.6273	ng/ml	100
T AR1016 1 #2	5.705	0.0	440388.103	43.6319	ng/ml	100
T AR1016 3	5.948	0.0	2621755.012	257.5497	ng/ml	100
T AR1016 4	6.138	0.0	2785814.257	454.0395	ng/ml	100
T AR1016 2 #2	6.109	0.0	732726.928	32.3172	ng/ml	100
T AR1016 5	6.260	0.0	162674.700	34.6666	ng/ml	100
T AR1016 3 #2	6.616	0.0	3008411.730	110.2703	ng/ml	100
T AR1016 4 #2	6.832	0.0	79782.066	4.0630	ng/ml	100
T AR1016 5 #2	7.055	0.0	4680722.228	446.8801	ng/ml	100
T AR1260 1	8.304	0.0	2369168.240	203.6938	ng/ml	100
T AR1260 2	8.911	0.0	91728.427	5.1661	ng/ml	100
T AR1260 3	9.301	0.0	689120.506	36.3216	ng/ml	100
T AR1260 1 #2	9.648	0.0	648307.263	23.7229	ng/ml	100
T AR1260 4	9.836	0.0	1282656.375	124.0882	ng/ml	100
T AR1260 2 #2	10.076	0.0	1234284.838	40.0583	ng/ml	100
T AR1260 3 #2	0.000		0	N.D.		
T AR1260 5	10.518	0.0	401578.924	24.5702	ng/ml	100
T AR1260 4 #2	10.893	0.0	2792890.198	121.2663	ng/ml	100
T AR1260 5 #2	11.479	0.0	80639.813	2.4156	ng/ml	100

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

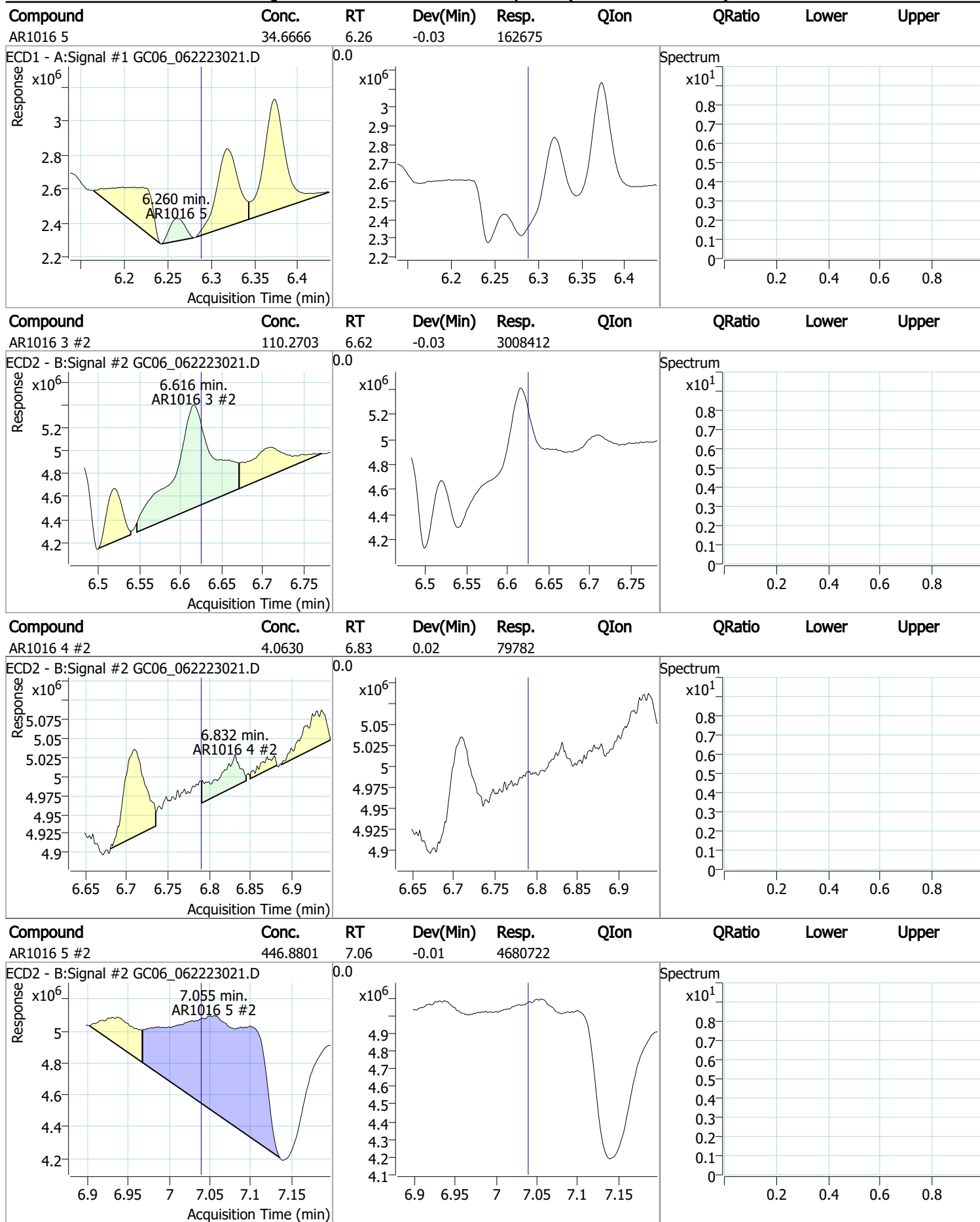
Quantitation Results Report (Not Reviewed)



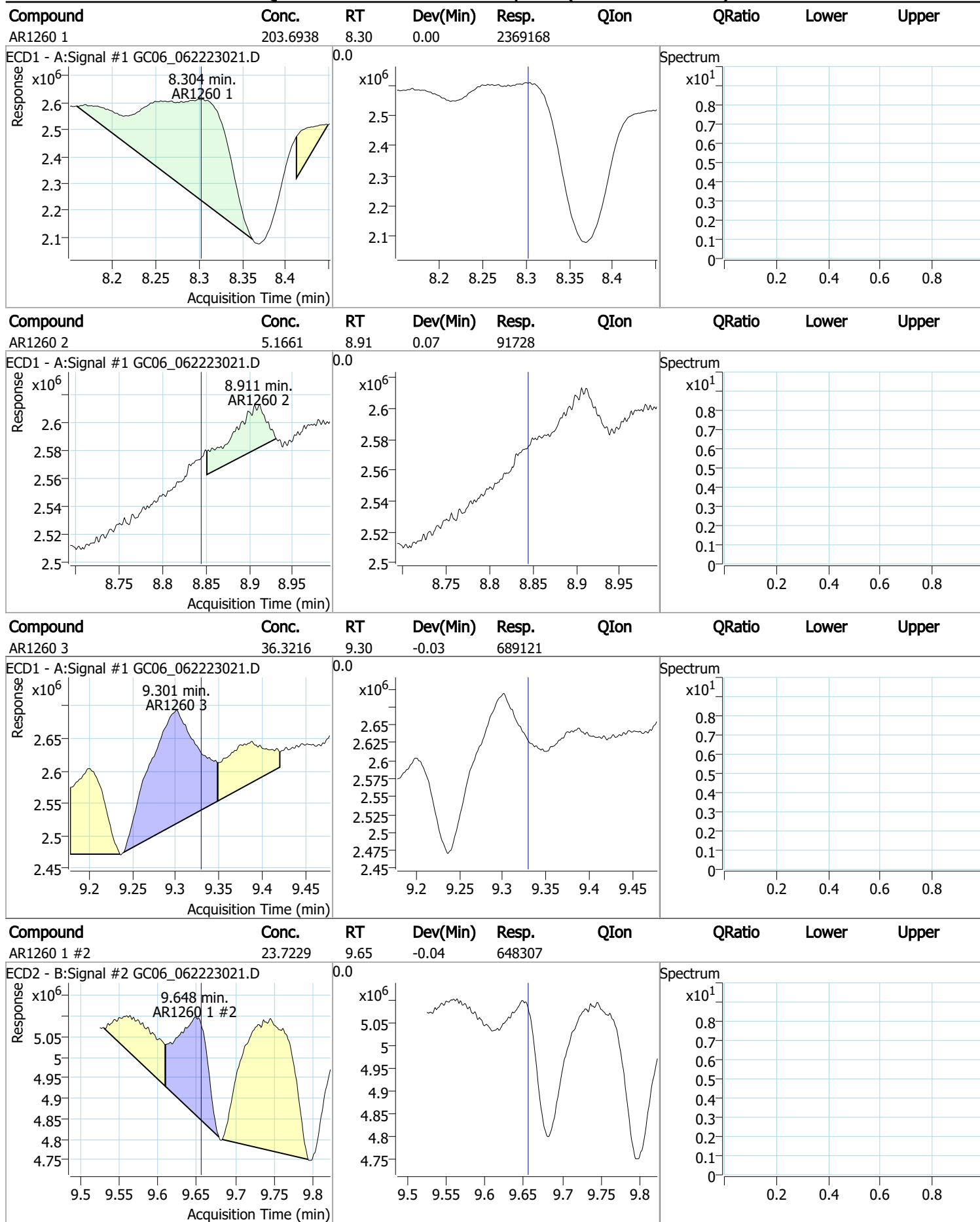
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

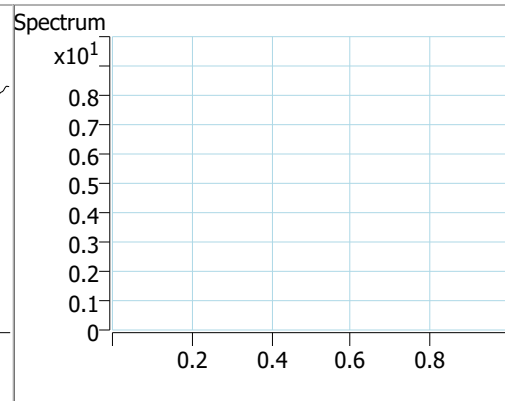
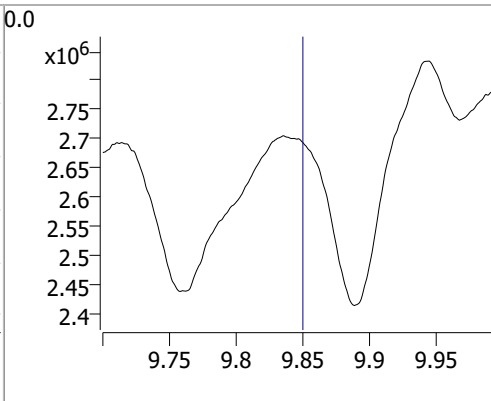
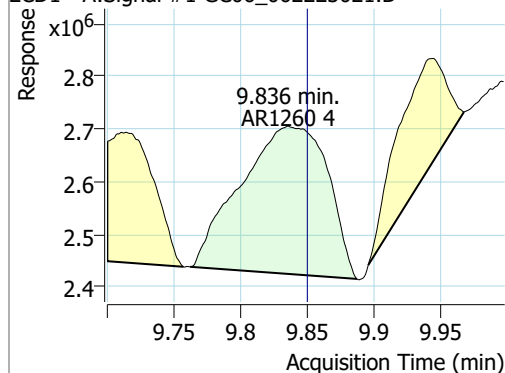


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 4 124.0882 9.84 -0.01 1282656

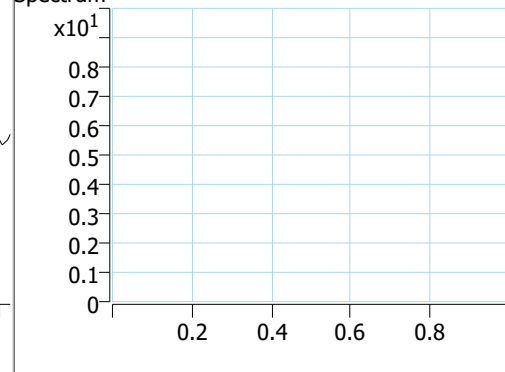
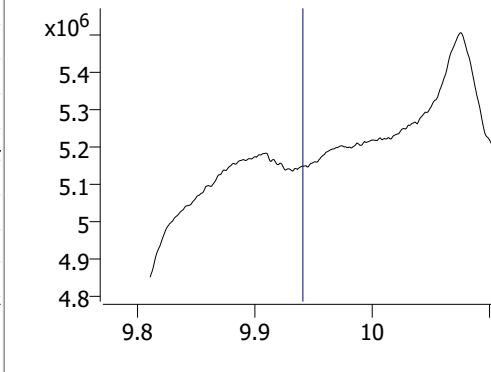
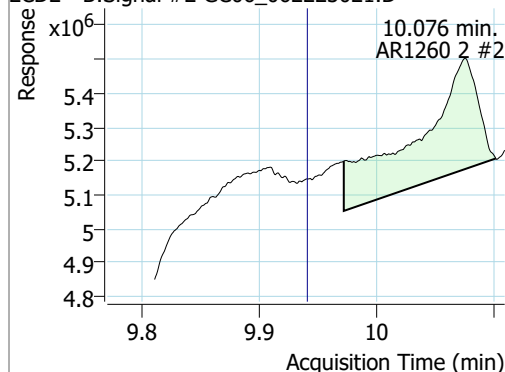
ECD1 - A:Signal #1 GC06_062223021.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 #2 40.0583 10.08 0.10 1234285

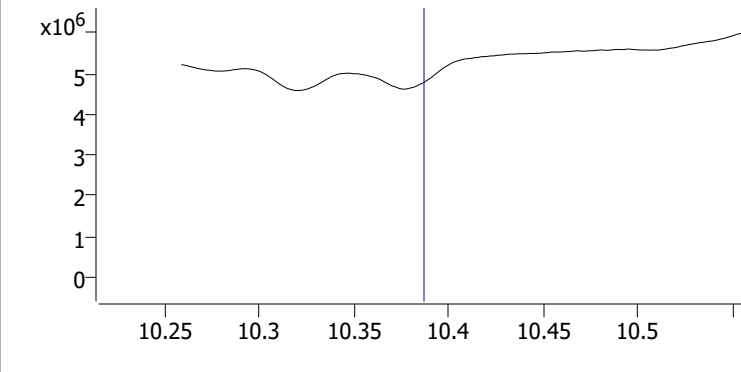
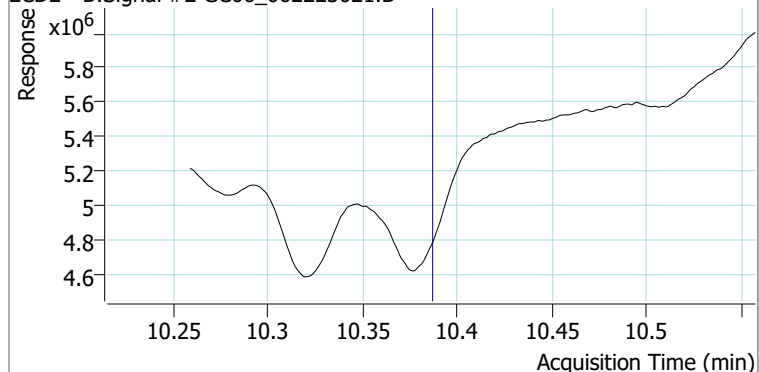
ECD2 - B:Signal #2 GC06_062223021.D



Compound	Conc.	Exp RT	QIon	Exp Ratio
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AR1260 3 #2 N.D. 10.42

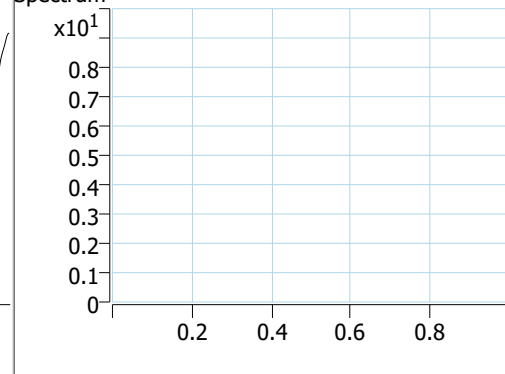
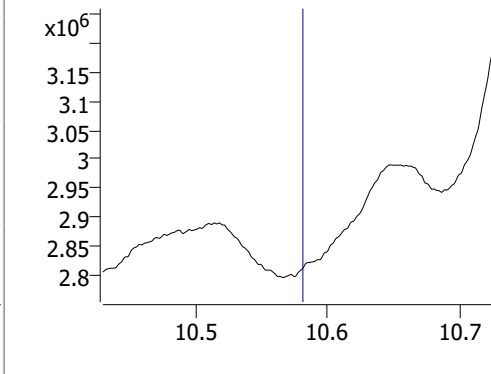
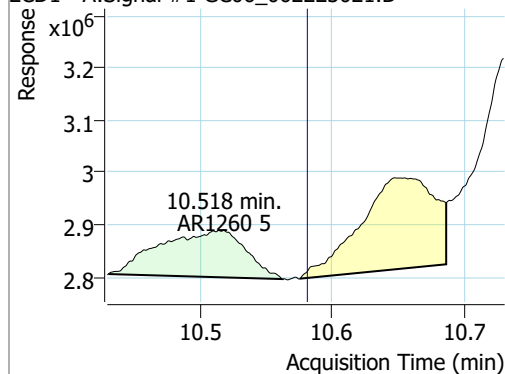
ECD2 - B:Signal #2 GC06_062223021.D



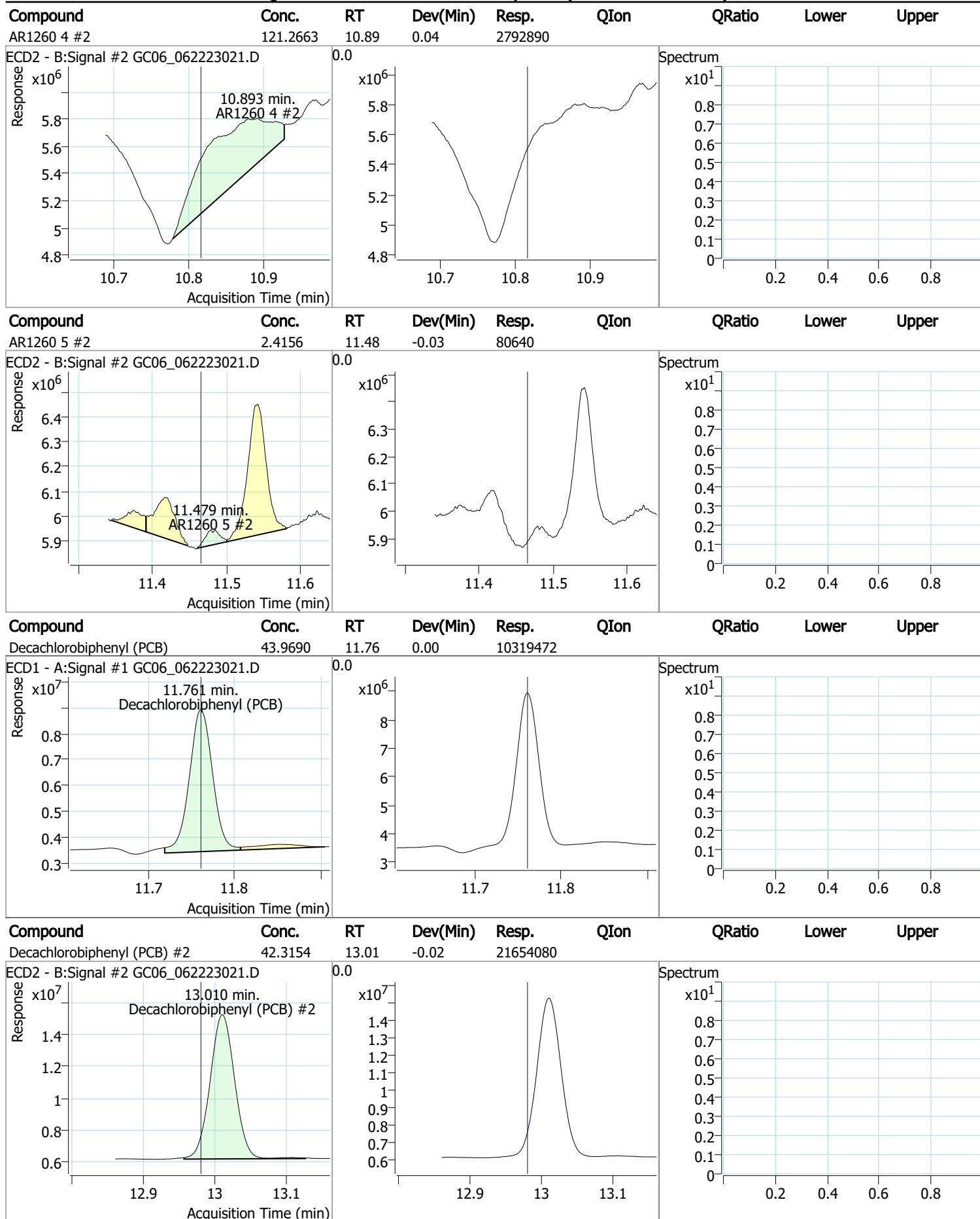
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 5 24.5702 10.52 -0.06 401579

ECD1 - A:Signal #1 GC06_062223021.D



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-013	Client ID: ARCH-C7W-DG-2 TO 2.5-230619-P-FB
Seqnum: 453249852022.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223022	Batch: 316643	Time: 22-JUN-2023 17:29
Cal: 453205686001	Caldate: 22-MAY-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	157.3	1.6 FP	0.97	47%	0.50		x u
Aroclor-1016 Peak # 1	B	32.92	0.33	0.40	18%			
Aroclor-1016 Peak # 2	B	141.6	1.42	0.12	168%			
Aroclor-1016 Peak # 3	B	110.4	1.10	2.42	75%			
Aroclor-1016 Peak # 4	B	3.582	0.04	1.59	191%			
Aroclor-1016 Peak # 5	B	498.0	4.98	0.34	175%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	26.34	ND	0.79	100%	0.50		u
Aroclor-1260 Peak # 1	B	56.52	0.57	2.12	116%			
Aroclor-1260 Peak # 2	B	54.75	0.55	0.10	140%			
Aroclor-1260 Peak # 3	B	13.67	0.14	0.31	79%			
Aroclor-1260 Peak # 4	B	0	ND	1.17				
Aroclor-1260 Peak # 5	B	6.750	0.07	0.25	115%			
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	37.66	0.5000	0.3766	75	19-121	u
Decachlorobiphenyl (PCB)	B	40.79	0.5000	0.4079	82	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_062223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9881374	6.83
1-bromo-2-nitrobenzene (PCB)	A	3197195	3559924	11.35

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

ISTD (CCV gc06_062223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

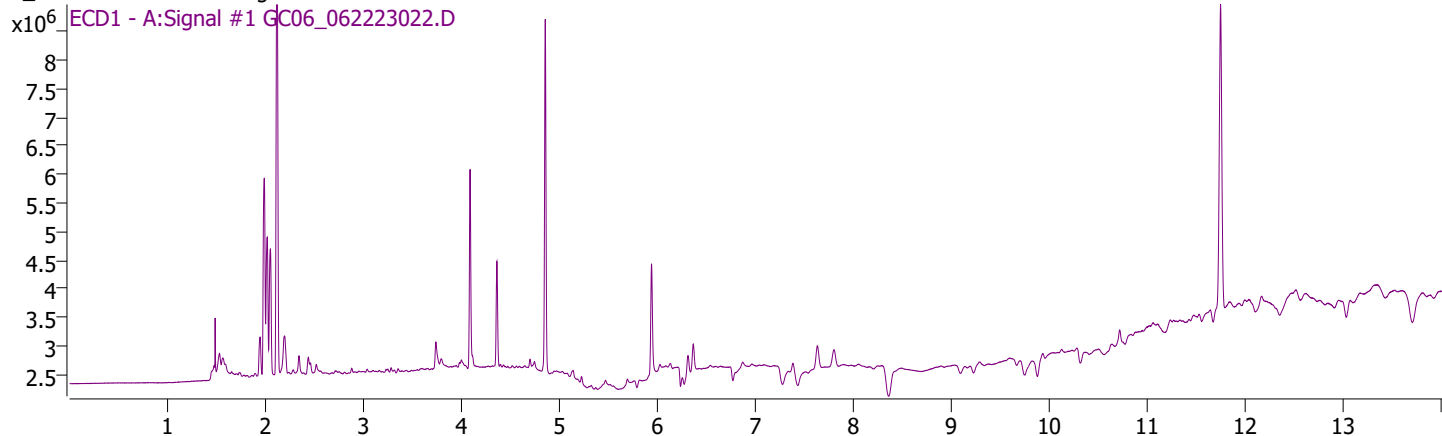
u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

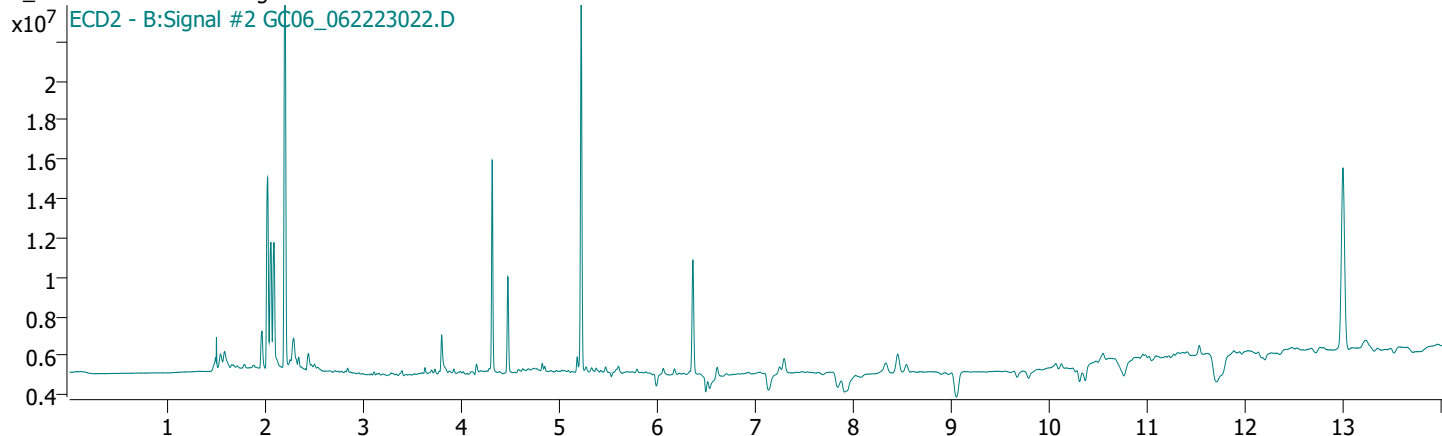
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223022.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 5:29:59 PM
Sample Name	487140-013, 316643, 1	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223022.D No MS Signals



GC06_062223022.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.092	0.0	3559923.75 3	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9881374.24 7	20.0000	ng/ml	-0.017
System Monitoring Compounds						
S TCMX (PCB)	4.860	0.0	6302697.79 5	33.2248	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.12%	*	
S TCMX (PCB) #2	5.227	0.0	19740993.6 04	37.6621	ng/ml	-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.31%	*	
S Decachlorobiphenyl (PCB)	11.759	0.0	10172075.9 33	42.8207	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.10%	*	
S Decachlorobiphenyl (PCB) #2	13.009	0.0	21286971.3 78	40.7933	ng/ml	-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 203.97%	*	

Target Compounds

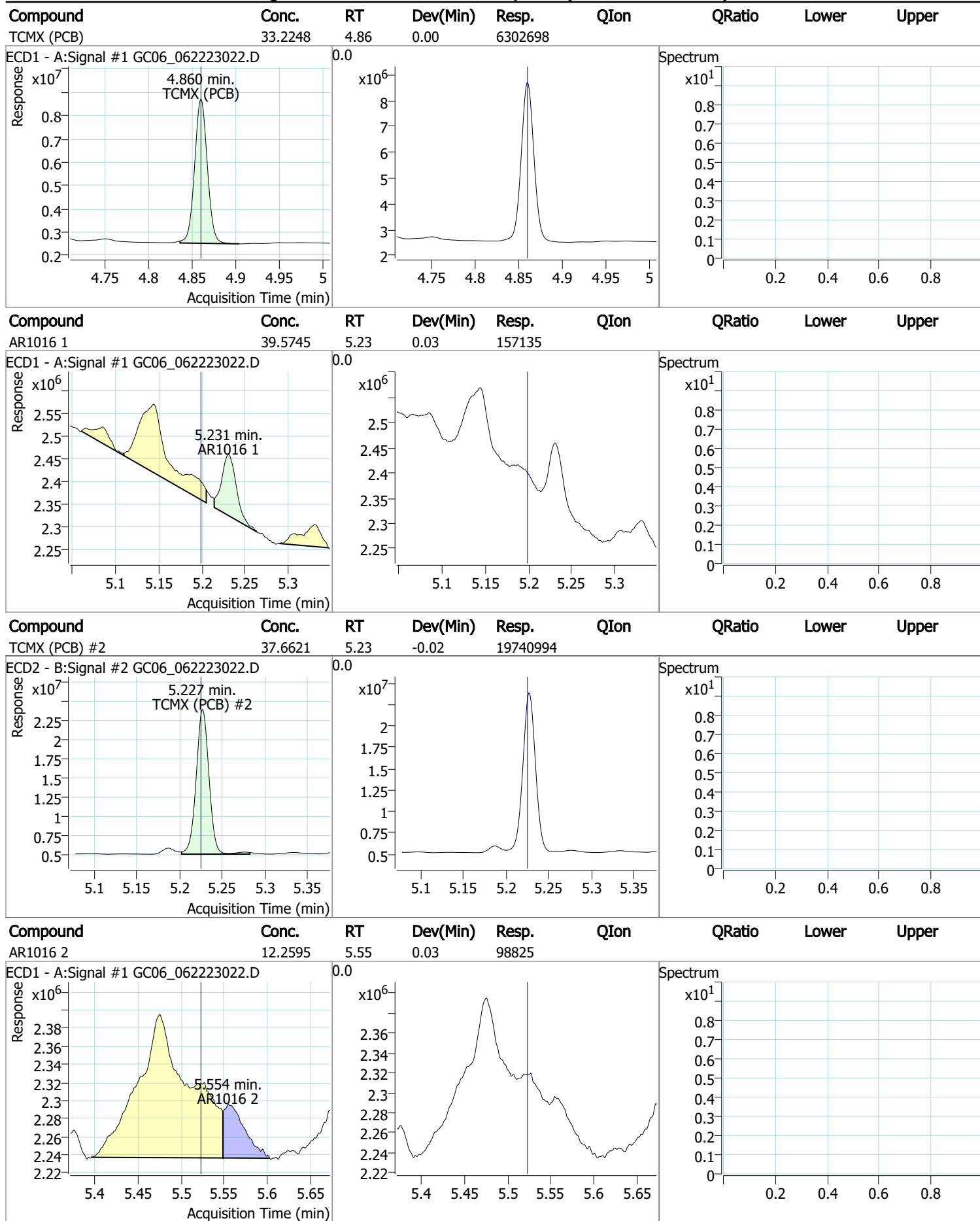
QValue

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.231	0.0	157134.647	39.5745	ng/ml	100
T AR1016 2	5.554	0.0	98824.556	12.2595	ng/ml	100
T AR1016 1 #2	5.696	0.0	338876.935	32.9251	ng/ml	100
T AR1016 3	5.945	0.0	2496600.567	242.3113	ng/ml	100
T AR1016 4	6.135	0.0	984680.953	158.5596	ng/ml	100
T AR1016 2 #2	6.064	0.0	3274719.533	141.6389	ng/ml	100
T AR1016 5	6.260	0.0	159388.425	33.5586	ng/ml	100
T AR1016 3 #2	6.617	0.0	3072464.910	110.4395	ng/ml	100
T AR1016 4 #2	6.828	0.0	71728.660	3.5822	ng/ml	100
T AR1016 5 #2	7.053	0.0	5319525.970	498.0436	ng/ml	100
T AR1260 1	8.295	0.0	2498834.942	212.2634	ng/ml	100
T AR1260 2	8.909	0.0	172037.709	9.5727	ng/ml	100
T AR1260 3	9.296	0.0	604590.300	31.4838	ng/ml	100
T AR1260 1 #2	9.736	0.0	1574977.211	56.5169	ng/ml	100
T AR1260 4	9.832	0.0	1225096.324	117.0970	ng/ml	100
T AR1260 2 #2	10.075	0.0	1720151.580	54.7470	ng/ml	100
T AR1260 3 #2	10.347	0.0	549544.882	13.6675	ng/ml	100
T AR1260 5	10.512	0.0	411850.520	24.8962	ng/ml	100
T AR1260 4 #2	0.000		0	N.D.		
T AR1260 5 #2	11.418	0.0	229780.162	6.7501	ng/ml	100

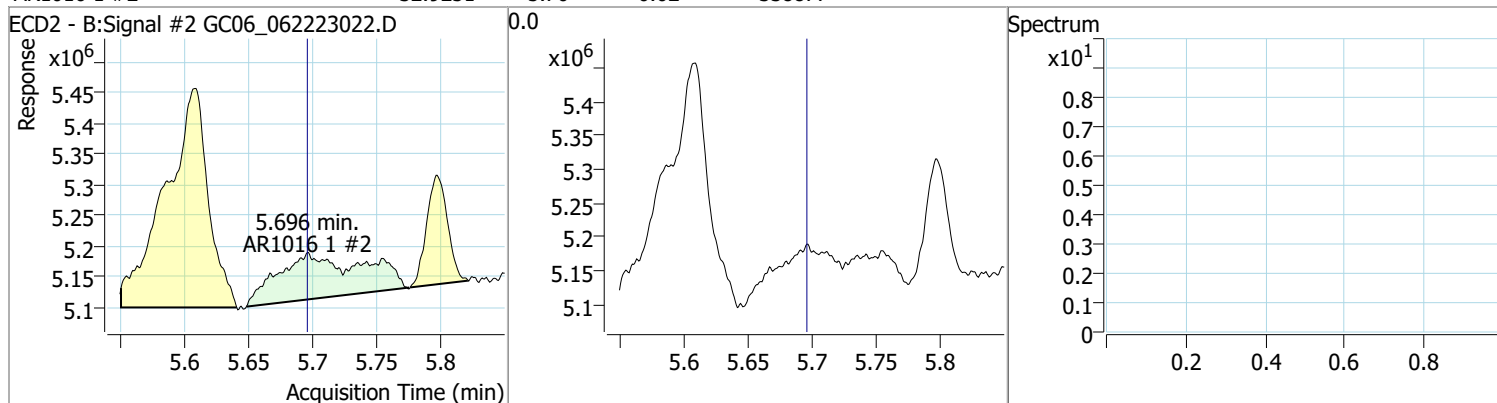
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

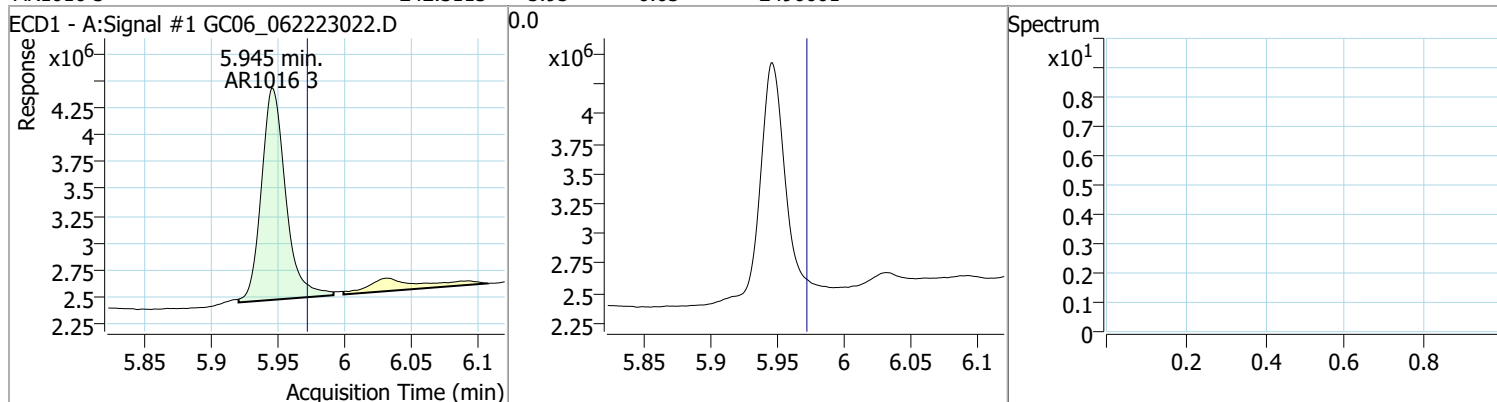


Quantitation Results Report (Not Reviewed)

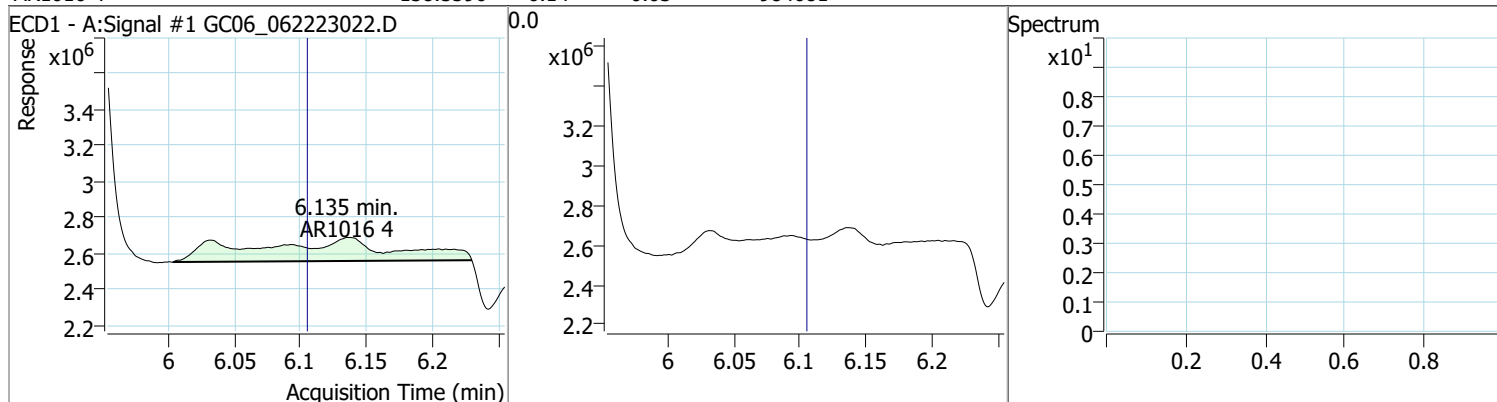
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	32.9251	5.70	-0.02	338877				



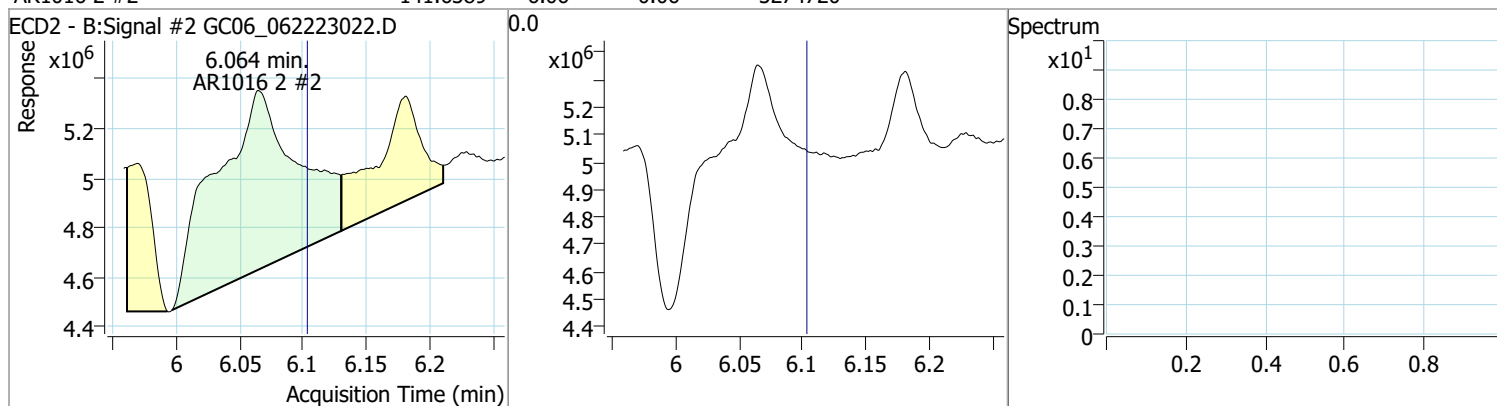
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	242.3113	5.95	-0.03	2496601				



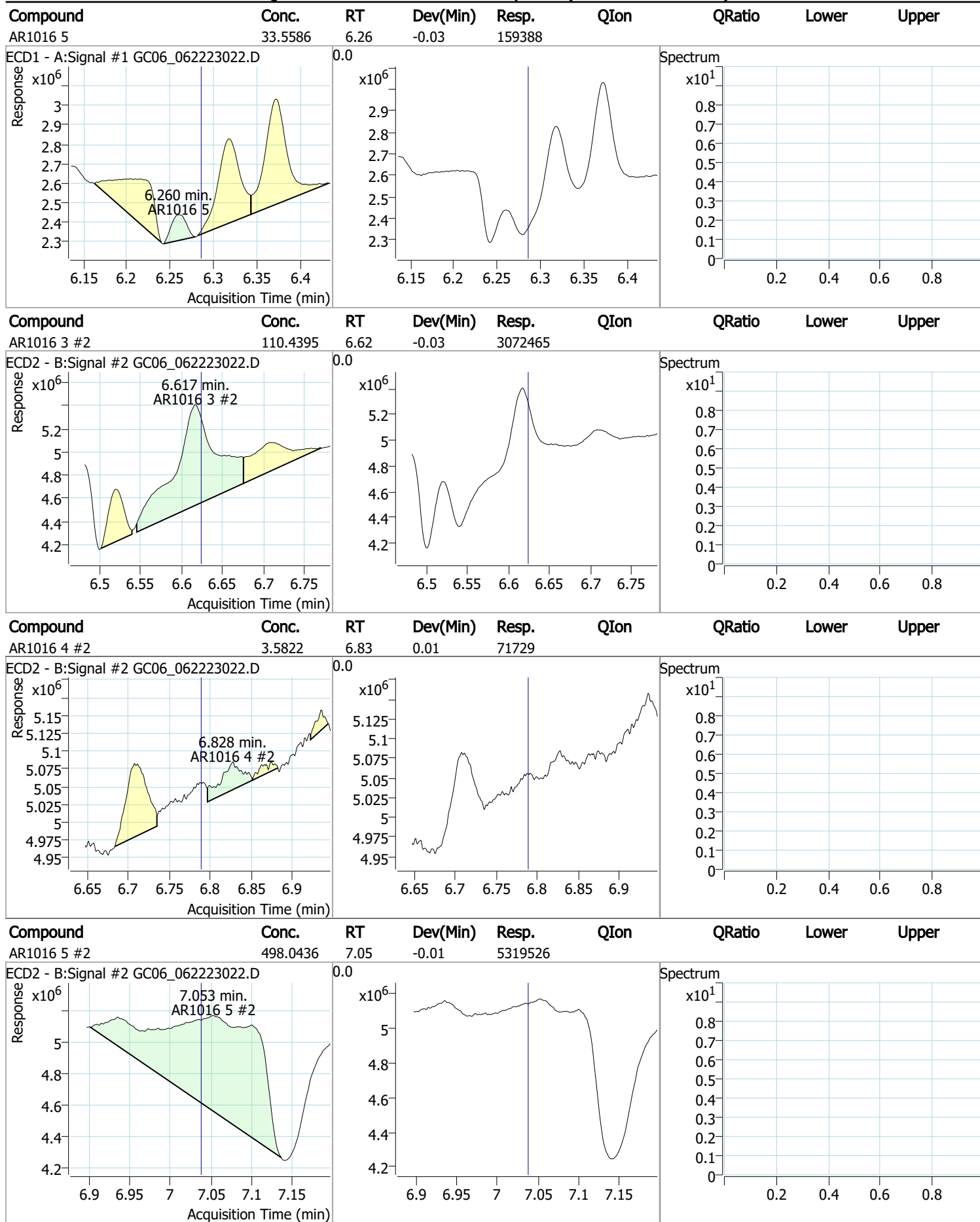
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	158.5596	6.14	0.03	984681				



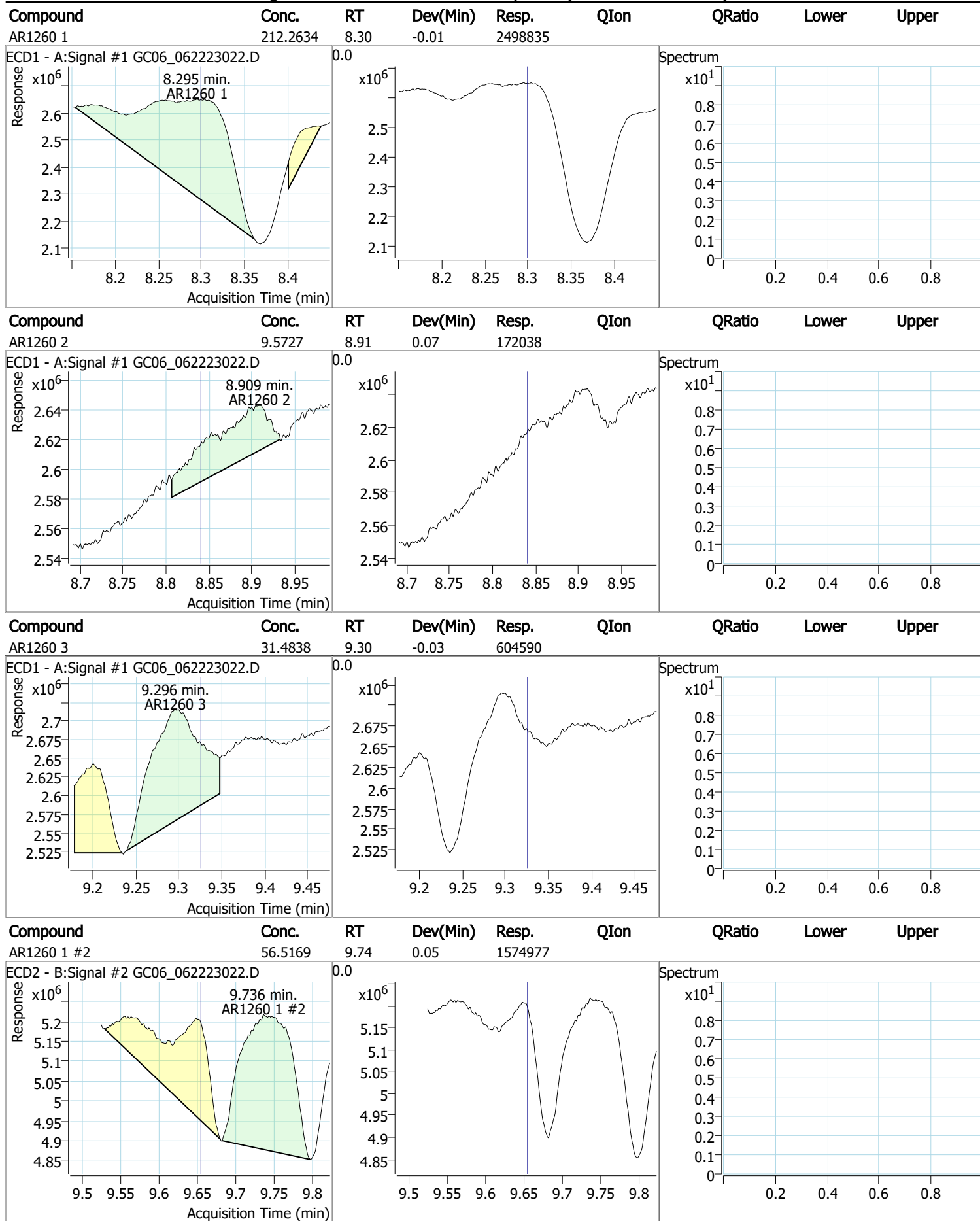
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	141.6389	6.06	-0.06	3274720				



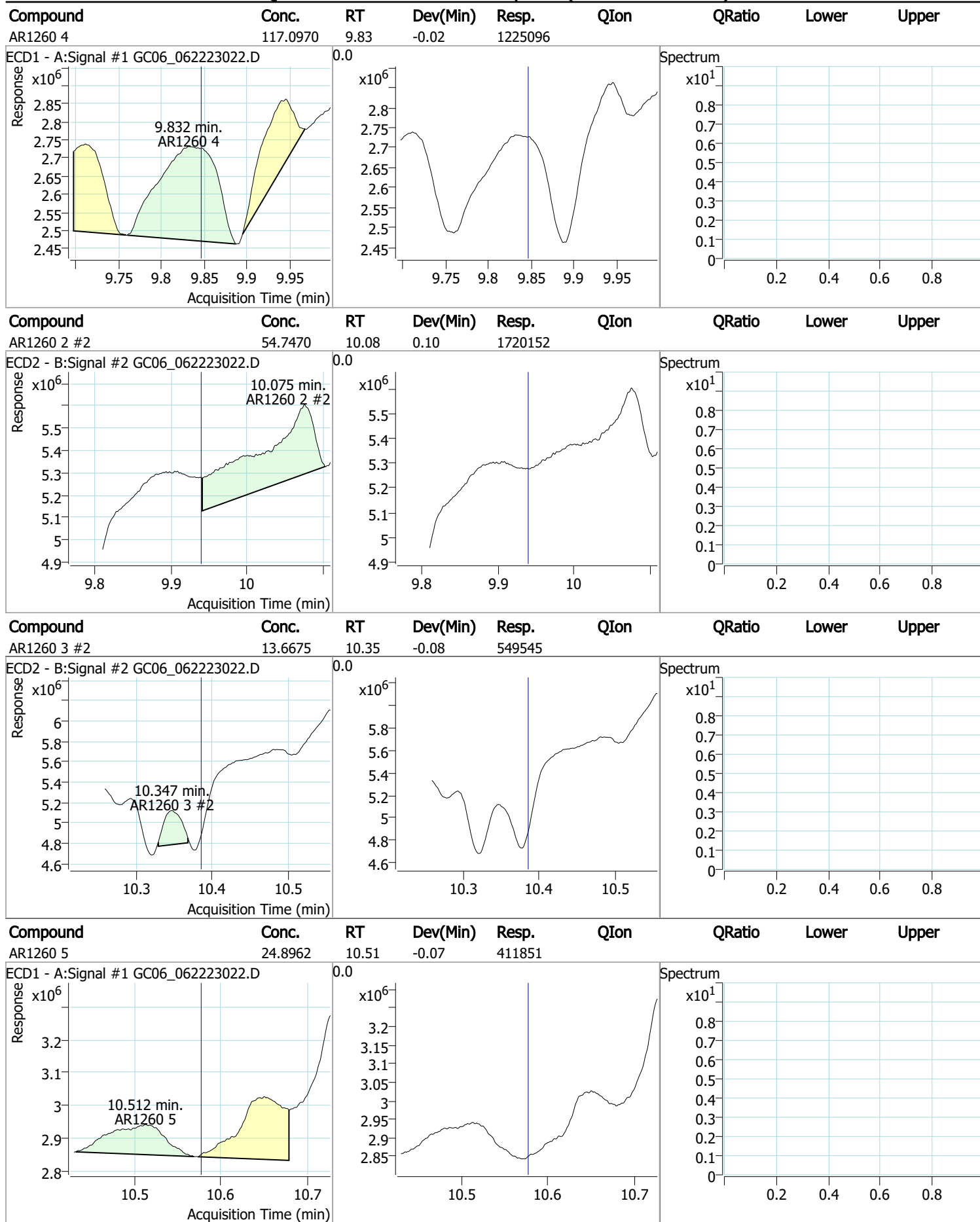
Quantitation Results Report (Not Reviewed)



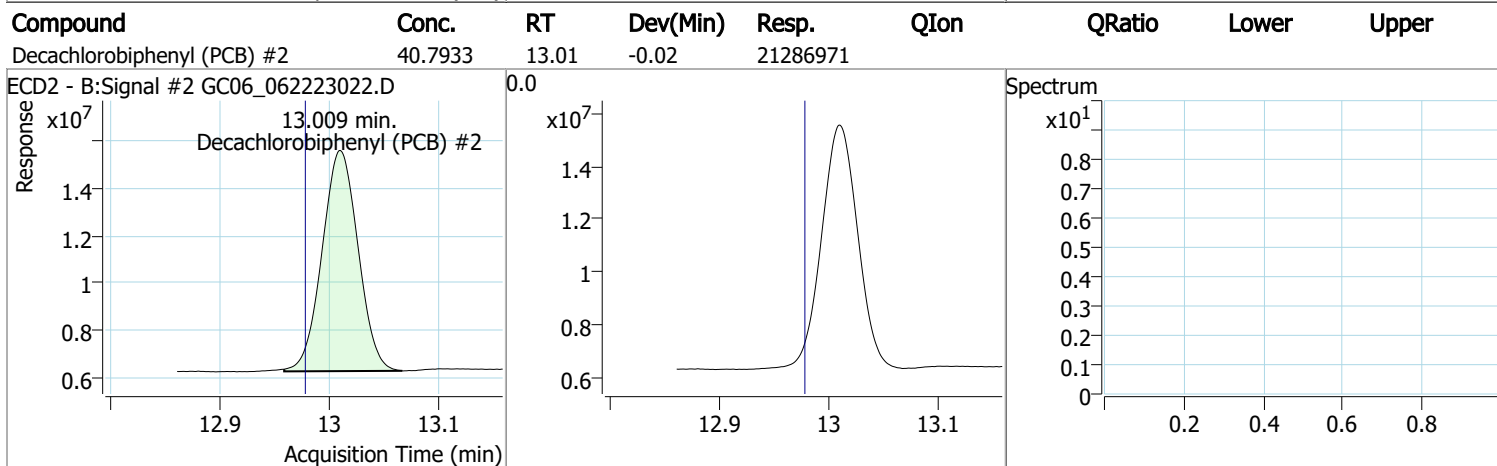
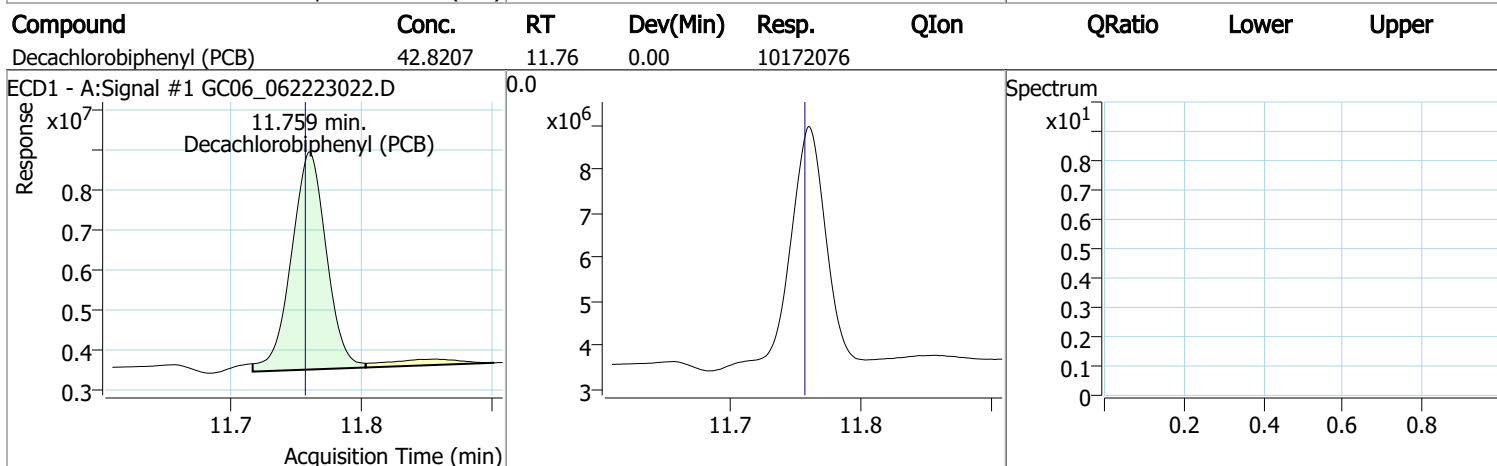
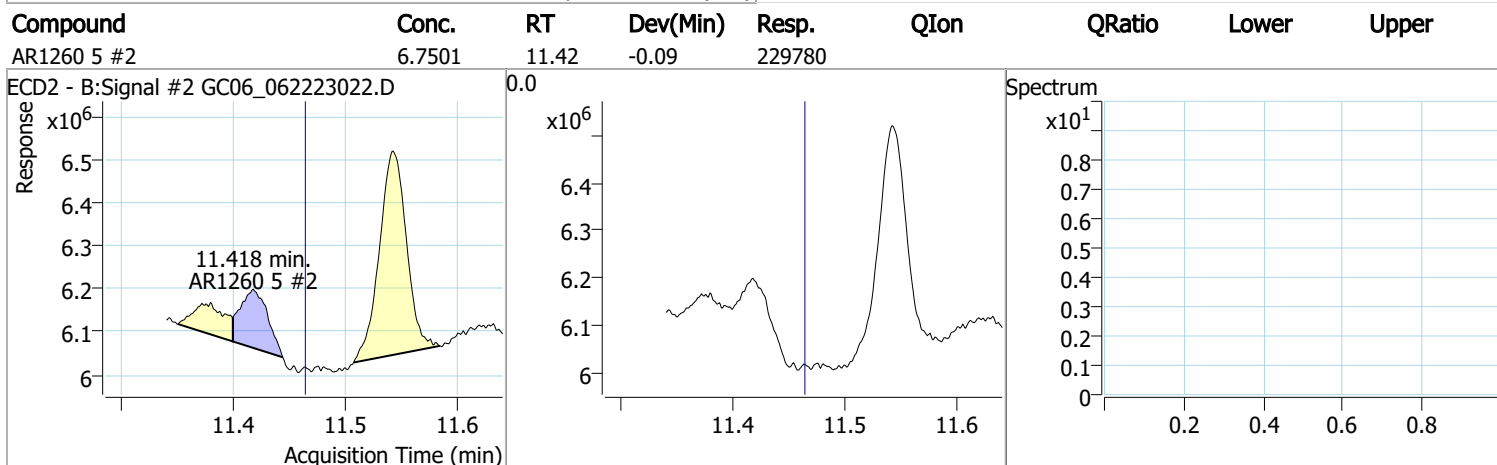
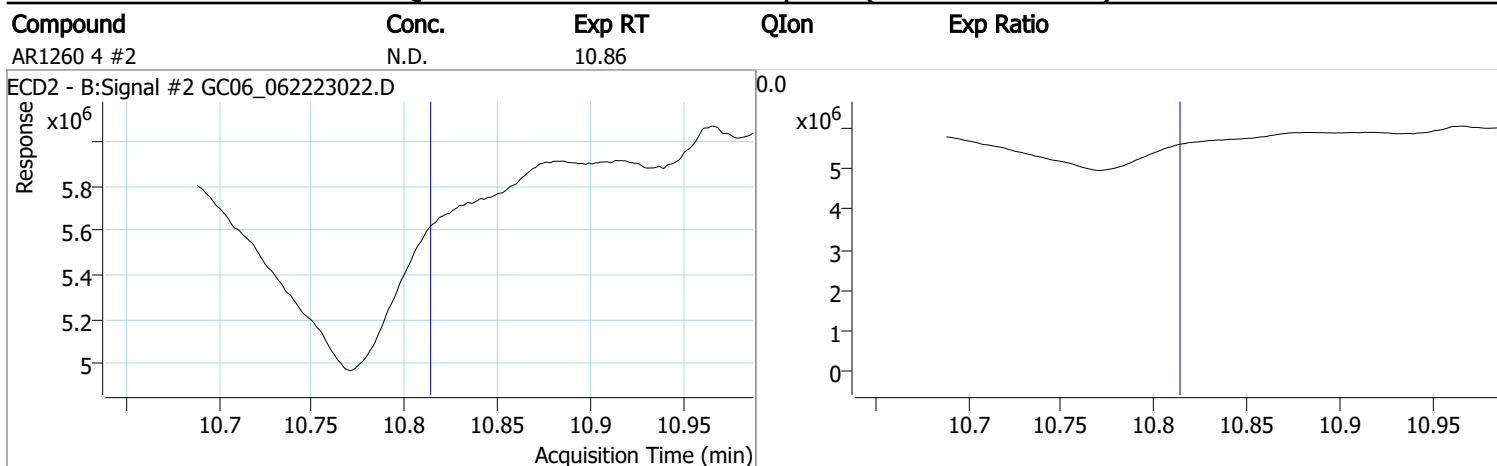
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-016	Client ID: ARCH-C6W-PS-2.5-230619-P-G
Seqnum: 453249852023.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223023	Batch: 316643	Time: 22-JUN-2023 17:48
Cal: 453205686001	Caldate: 22-MAY-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	151.2	1.5 FP	1.8	19%	0.50		X U
Aroclor-1016 Peak # 1	B	19.45	0.19	0.39	68%			
Aroclor-1016 Peak # 2	B	126.6	1.27	0.67	61%			
Aroclor-1016 Peak # 3	B	126.5	1.27	3.20	87%			
Aroclor-1016 Peak # 4	B	4.415	0.04	4.53	196%			
Aroclor-1016 Peak # 5	B	478.9	4.79	0.31	176%			
Aroclor-1221	B		ND			0.50		U
Aroclor-1232	B		ND			0.50		U
Aroclor-1242	B		ND			0.50		U
Aroclor-1248	B		ND			0.50		U
Aroclor-1254	B		ND			0.50		U
Aroclor-1260	B	41.54	ND	0.79	62%	0.50		U
Aroclor-1260 Peak # 1	B	17.31	0.17	2.19	171%			
Aroclor-1260 Peak # 2	B	40.63	0.41	0.07	138%			
Aroclor-1260 Peak # 3	B	18.11	0.18	0.40	76%			
Aroclor-1260 Peak # 4	B	124.4	1.24	1.14	9%			
Aroclor-1260 Peak # 5	B	7.234	0.07	0.14	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	36.88	0.5000	0.3688	74	19-121	U
Decachlorobiphenyl (PCB)	B	40.40	0.5000	0.4040	81	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_062223004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9271487	0.24
1-bromo-2-nitrobenzene (PCB)	A	3197195	3305358	3.38

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_062223004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

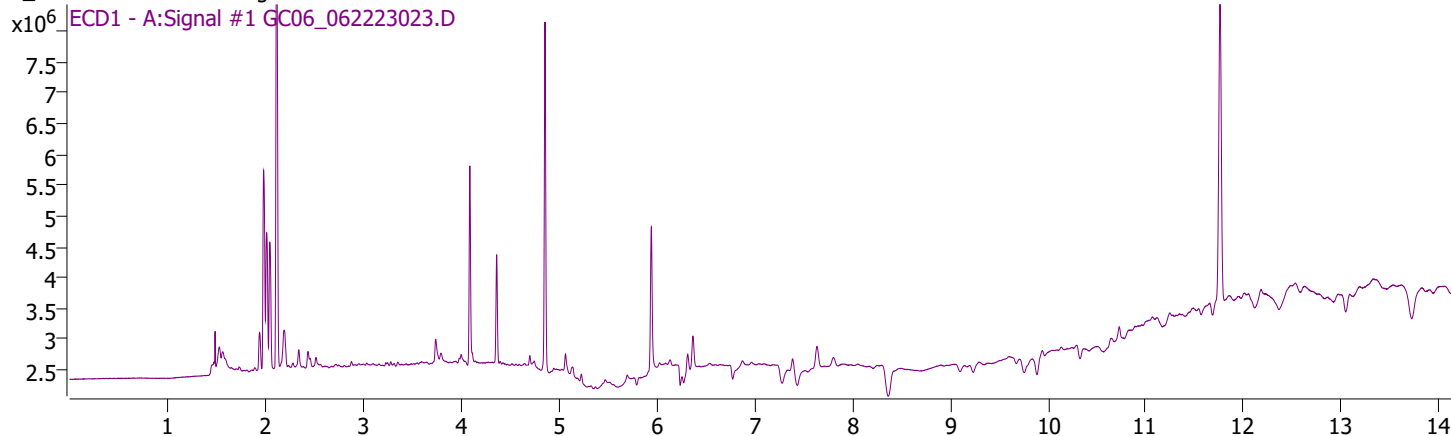
u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

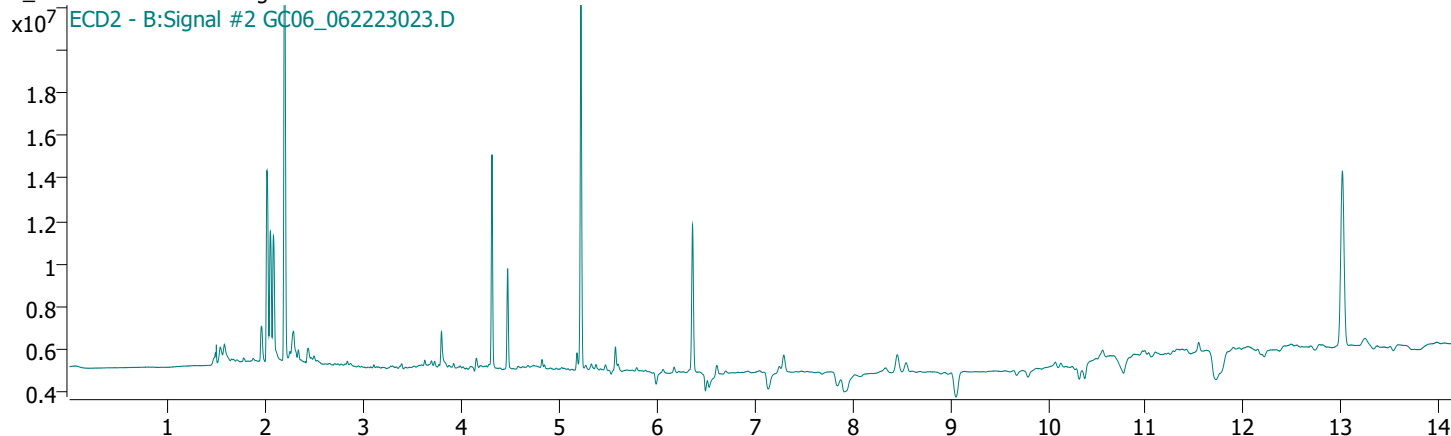
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223023.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 5:48:19 PM
Sample Name	487140-016, 316643, 1	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223023.D No MS Signals



GC06_062223023.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.092	0.0	3305357.84 0	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9271486.63 1	20.0000	ng/ml	-0.017
System Monitoring Compounds						
S TCMX (PCB)	4.860	0.0	5624704.95 2	31.9343	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.67%	*	
S TCMX (PCB) #2	5.227	0.0	18137895.8 80	36.8800	ng/ml	-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.40%	*	
S Decachlorobiphenyl (PCB)	11.759	0.0	9539226.47 4	43.2494	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 216.25%	*	
S Decachlorobiphenyl (PCB) #2	13.009	0.0	19782088.0 98	40.4032	ng/ml	-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.02%	*	

Target Compounds

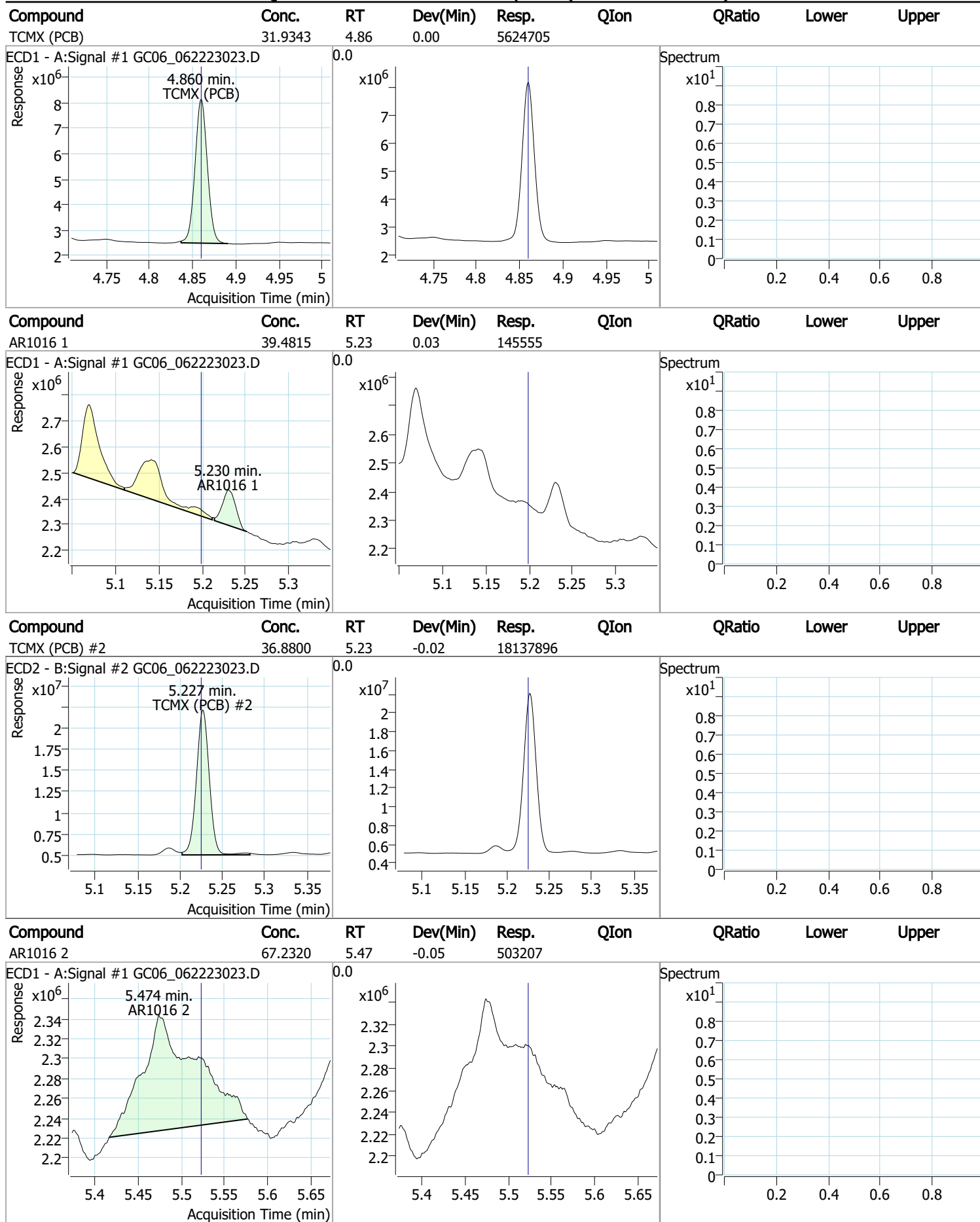
QValue

Quantitation Results Report (Not Reviewed)

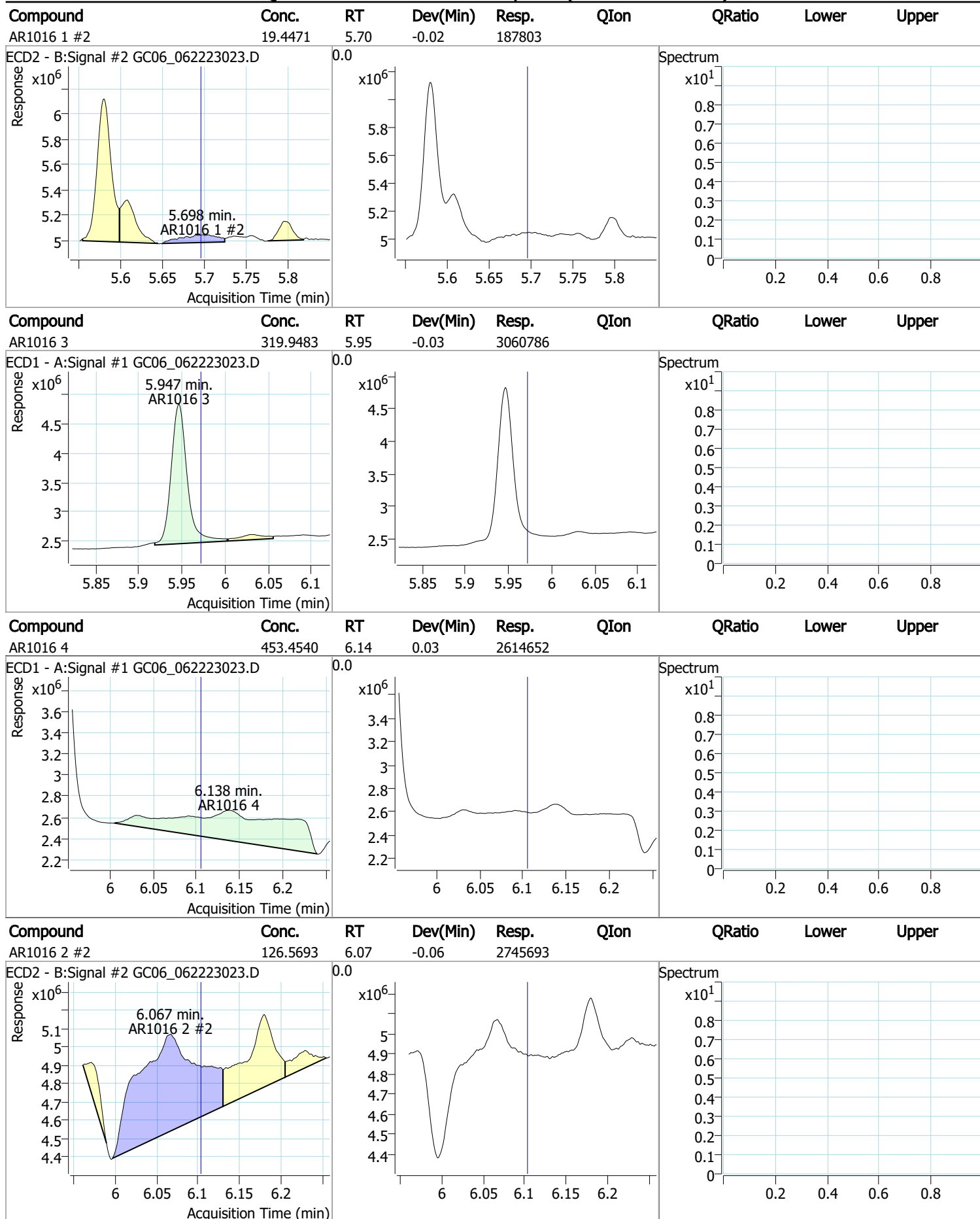
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.230	0.0	145554.960	39.4815	ng/ml	100
T AR1016 2	5.474	0.0	503207.339	67.2320	ng/ml	100
T AR1016 1 #2	5.698	0.0	187803.037	19.4471	ng/ml	100
T AR1016 3	5.947	0.0	3060786.389	319.9483	ng/ml	100
T AR1016 4	6.138	0.0	2614652.156	453.4540	ng/ml	100
T AR1016 2 #2	6.067	0.0	2745692.777	126.5693	ng/ml	100
T AR1016 5	6.260	0.0	134961.428	30.6041	ng/ml	100
T AR1016 3 #2	6.616	0.0	3302631.153	126.5218	ng/ml	100
T AR1016 4 #2	6.786	0.0	82948.630	4.4151	ng/ml	100
T AR1016 5 #2	7.054	0.0	4799275.215	478.8926	ng/ml	100
T AR1260 1	8.303	0.0	2396002.424	219.2032	ng/ml	100
T AR1260 2	8.908	0.0	124549.475	7.4641	ng/ml	100
T AR1260 3	9.296	0.0	717596.735	40.2465	ng/ml	100
T AR1260 1 #2	9.650	0.0	452542.392	17.3074	ng/ml	100
T AR1260 4	9.843	0.0	1109567.468	114.2225	ng/ml	100
T AR1260 2 #2	9.883	0.0	1197826.806	40.6308	ng/ml	100
T AR1260 3 #2	10.348	0.0	683110.264	18.1069	ng/ml	100
T AR1260 5	10.508	0.0	220019.185	14.3244	ng/ml	100
T AR1260 4 #2	10.883	0.0	2742076.069	124.4371	ng/ml	100
T AR1260 5 #2	11.417	0.0	231046.633	7.2338	ng/ml	100

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

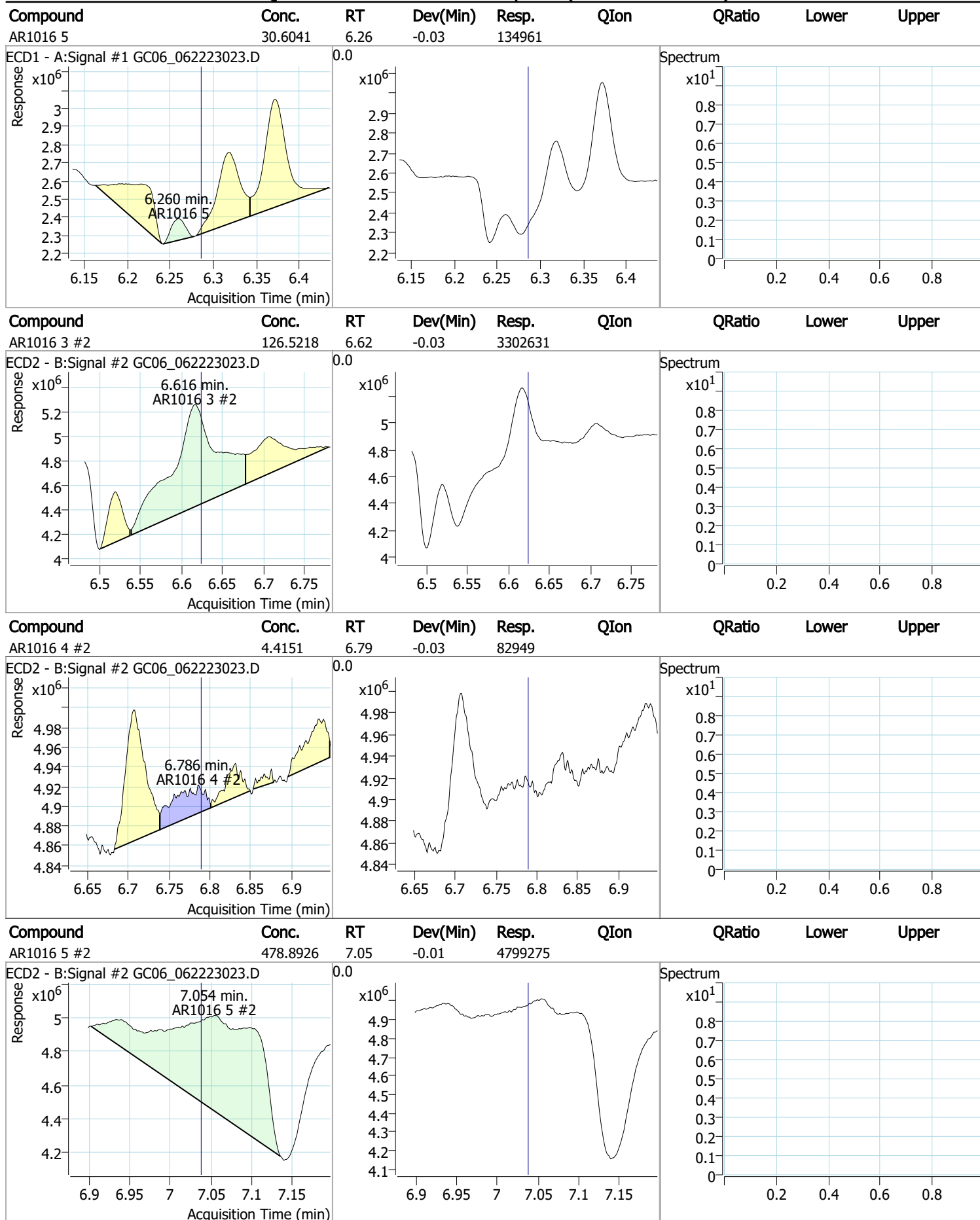
Quantitation Results Report (Not Reviewed)



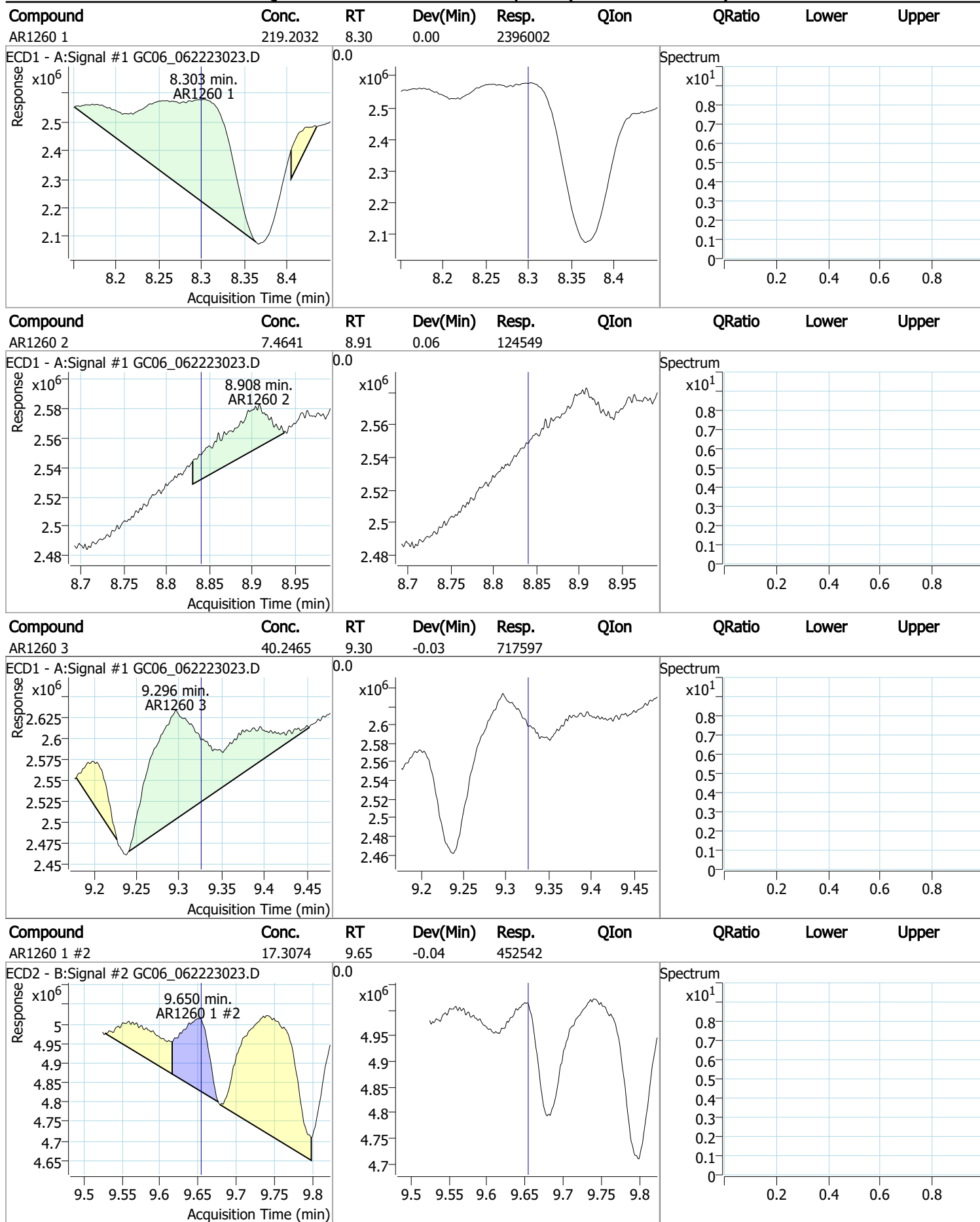
Quantitation Results Report (Not Reviewed)



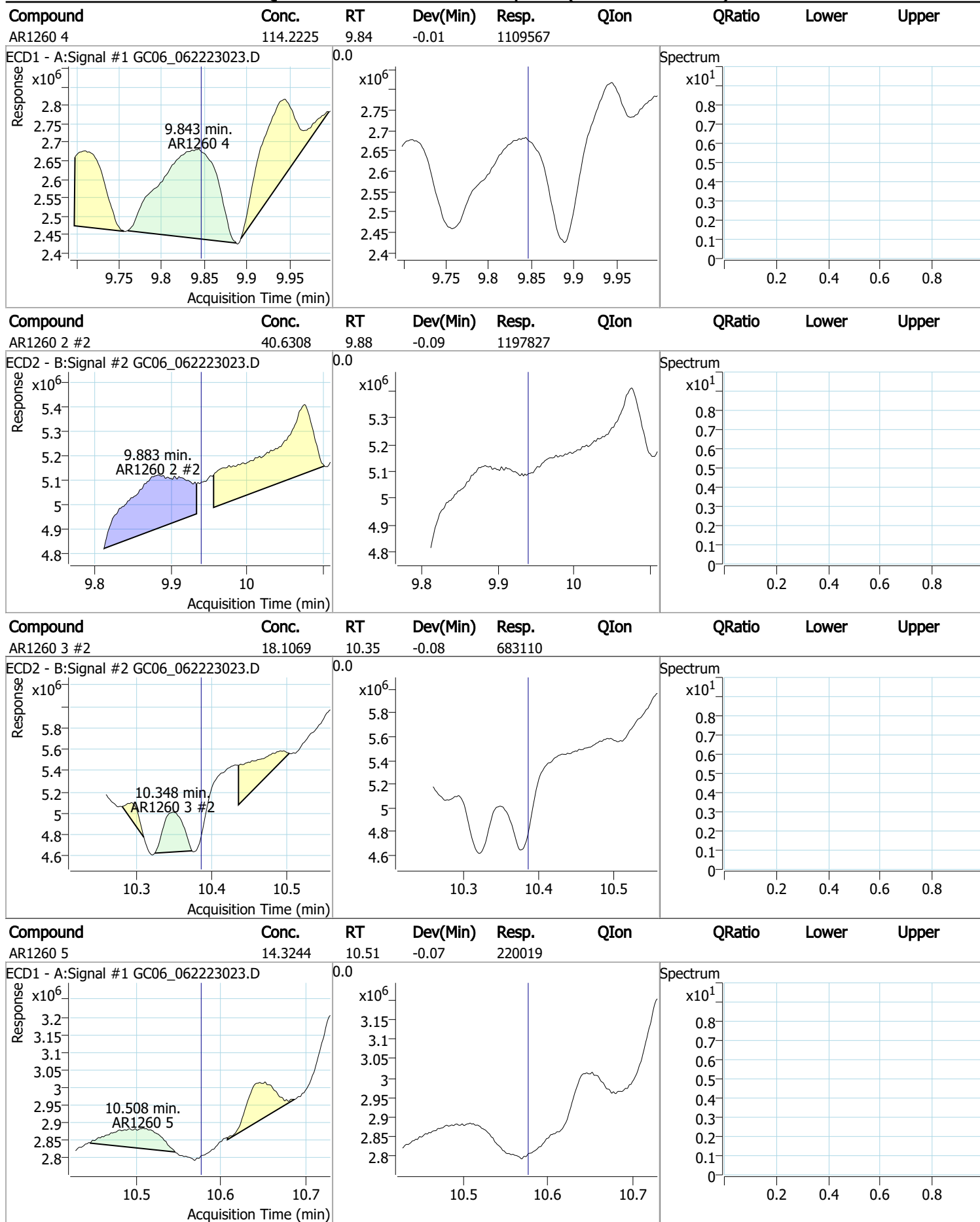
Quantitation Results Report (Not Reviewed)



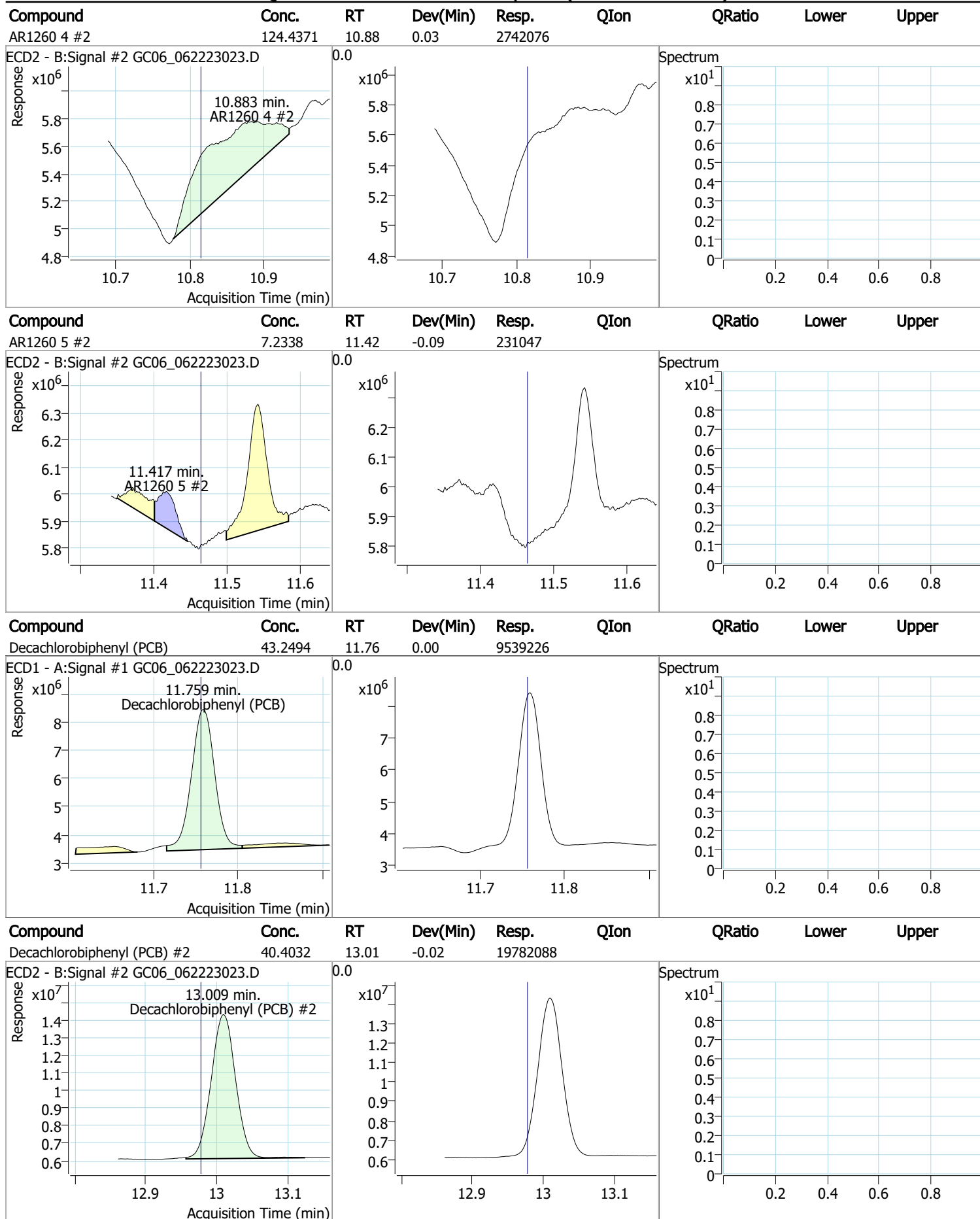
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-018	Client ID: ARCH-C7W-PS-2.5-230619-P-G
Seqnum: 453249852044.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223044	Batch: 316643	Time: 23-JUN-2023 00:17
Cal: 453205686001	Caldate: 22-MAY-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	134.1	1.3 ^{FP}	1.4	6%	0.50		x u
Aroclor-1016 Peak # 1	B	38.68	0.39	0.10	120%			
Aroclor-1016 Peak # 2	B	126.6	1.27	0.09	173%			
Aroclor-1016 Peak # 3	B	109.7	1.10	2.88	90%			
Aroclor-1016 Peak # 4	B	1.476	0.01	3.62	198%			
Aroclor-1016 Peak # 5	B	394.0	3.94	0.40	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	25.63	ND	0.81	104%	0.50		u
Aroclor-1260 Peak # 1	B	22.53	0.23	1.88	157%			
Aroclor-1260 Peak # 2	B	63.75	0.64	0.08	157%			
Aroclor-1260 Peak # 3	B	0	ND	0.46				
Aroclor-1260 Peak # 4	B	38.04	0.38	1.33	111%			
Aroclor-1260 Peak # 5	B	3.839	0.04	0.31	156%			
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	37.00	0.5000	0.3700	74	19-121	u
Decachlorobiphenyl (PCB)	B	41.86	0.5000	0.4186	84	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_062223039)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9928546	10567080	6.43
1-bromo-2-nitrobenzene (PCB)	A	3478696	3684116	5.91

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)

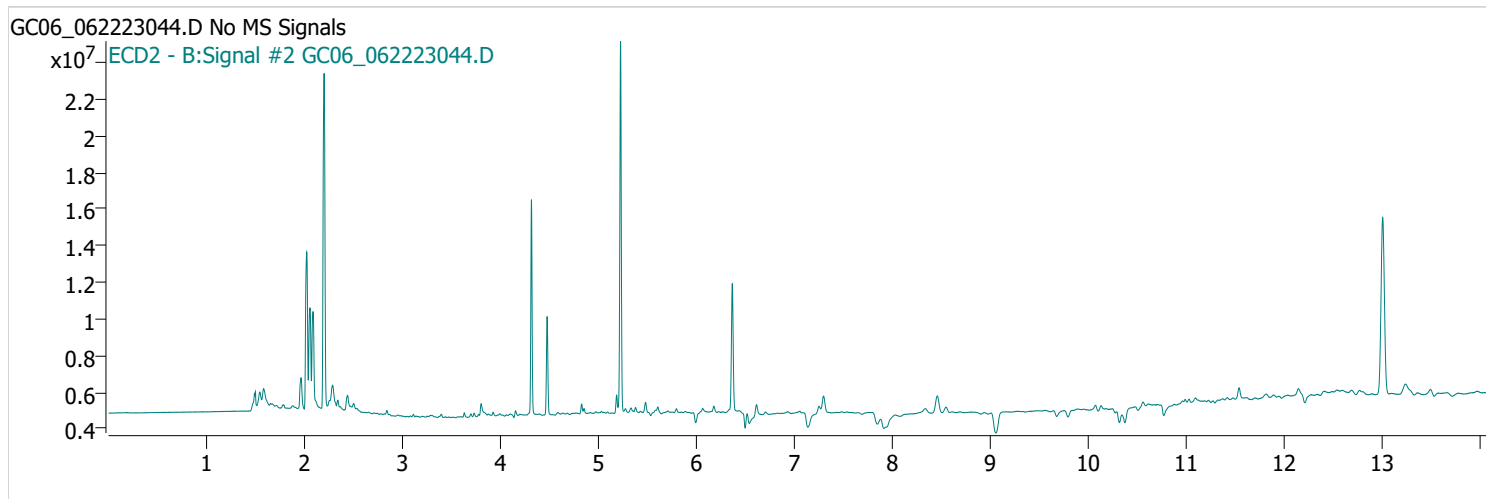
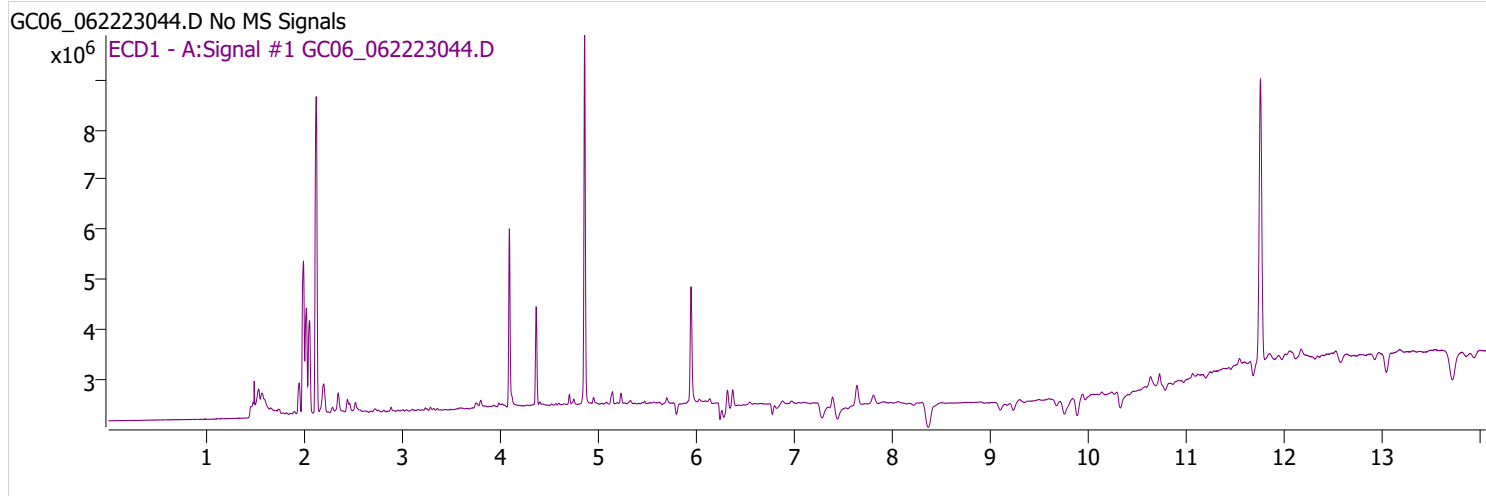
ISTD (CCV gc06_062223039)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.32	4.32	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_062223044.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/23/2023 12:17:07 AM
Sample Name	487140-018, 316643, 1	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8A.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB2.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.092	0.0	3684115.61 7	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.317	0.0	10567080.3 46	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.860	0.0	7518802.87 2	38.2994	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.50%	*	
S TCMX (PCB) #2	5.227	0.0	20739651.6 48	36.9998	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.00%	*	
S Decachlorobiphenyl (PCB)	11.758	0.0	11267428.3 31	45.8328	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 229.16%	*	
S Decachlorobiphenyl (PCB) #2	13.006	0.0	23362262.7 14	41.8652	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.33%	*	

Target Compounds

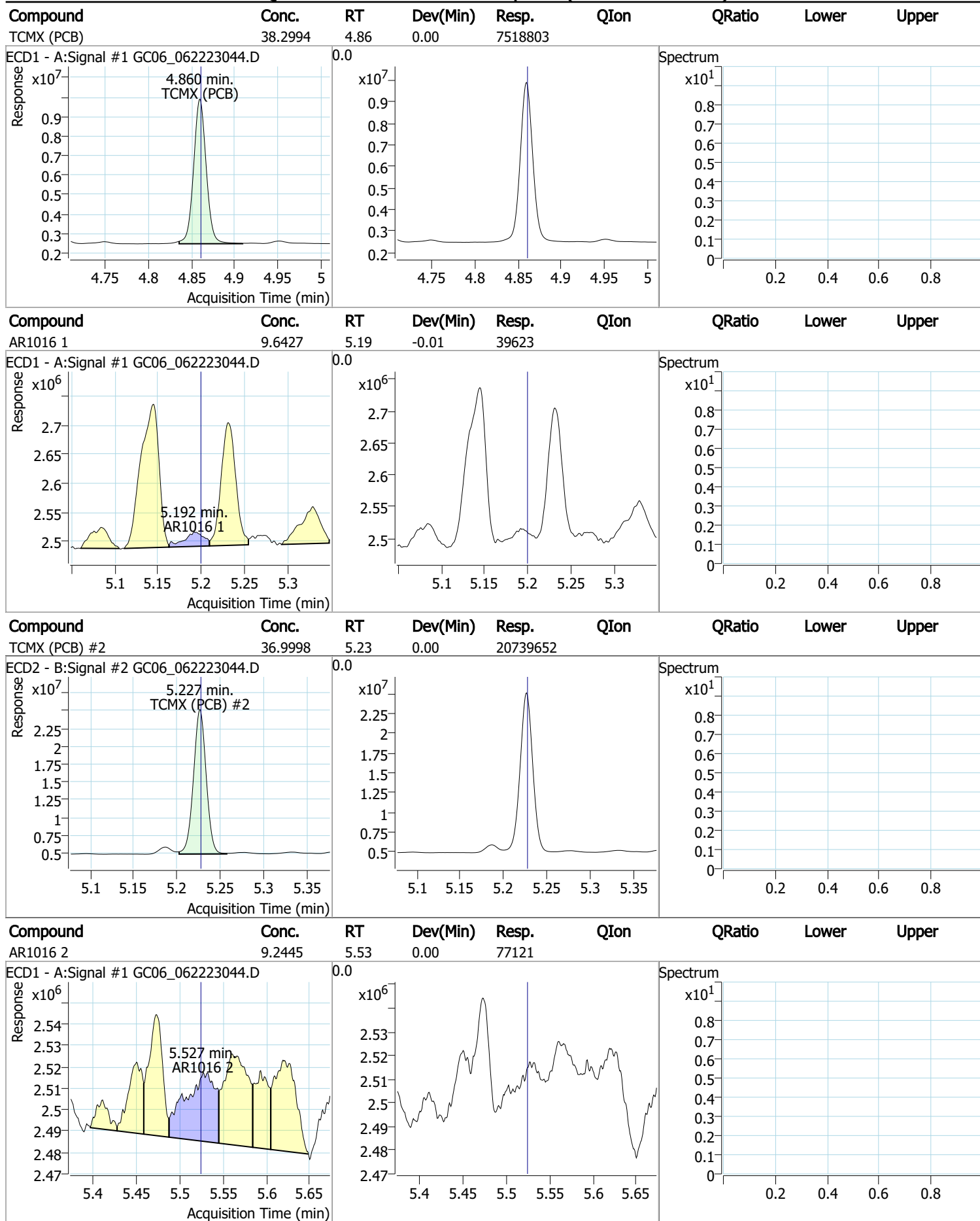
QValue

Quantitation Results Report (Not Reviewed)

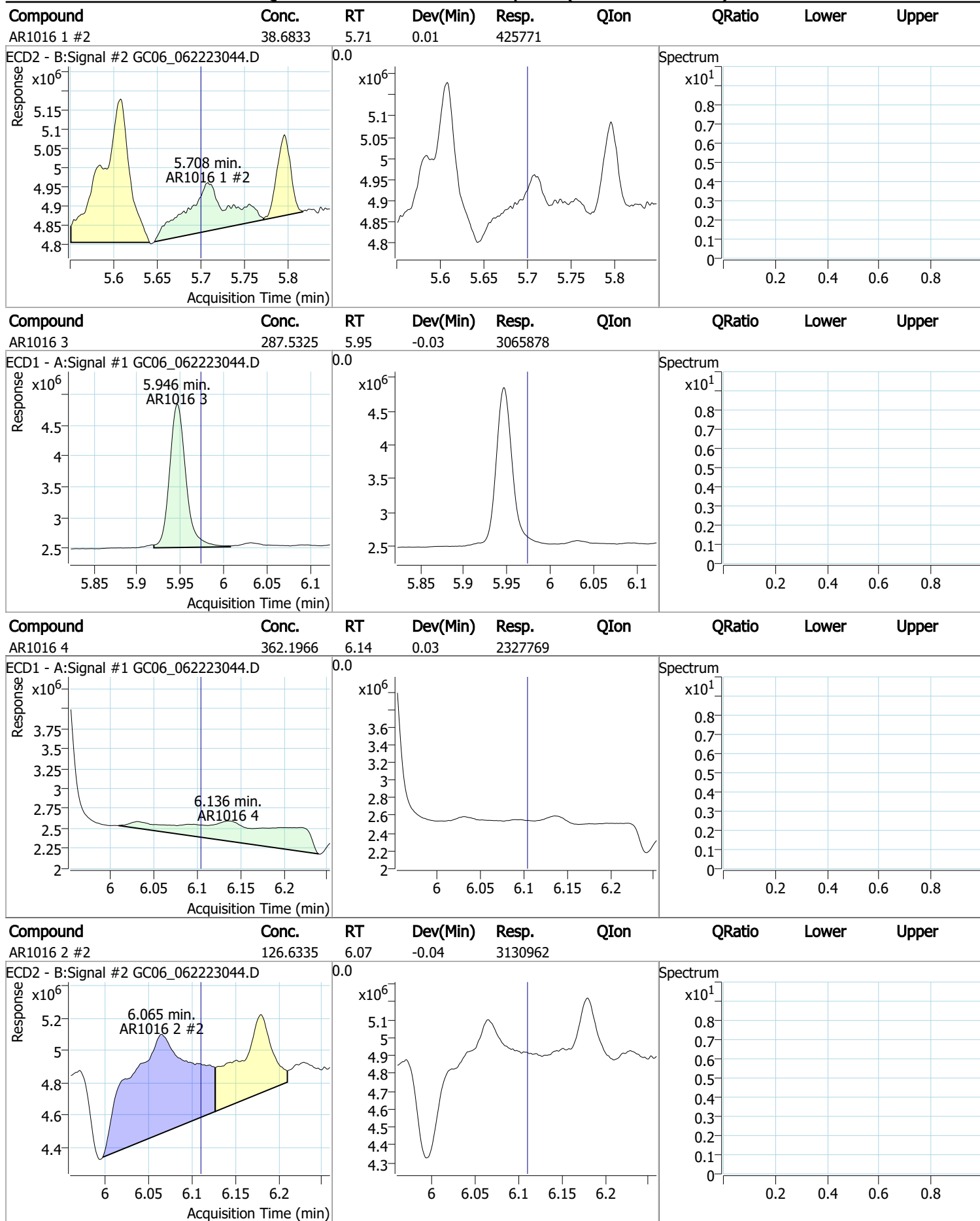
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.192	0.0	39622.979	9.6427	ng/ml	100
T AR1016 2	5.527	0.0	77120.643	9.2445	ng/ml	100
T AR1016 1 #2	5.708	0.0	425770.645	38.6833	ng/ml	100
T AR1016 3	5.946	0.0	3065878.134	287.5325	ng/ml	100
T AR1016 4	6.136	0.0	2327768.598	362.1966	ng/ml	100
T AR1016 2 #2	6.065	0.0	3130962.141	126.6335	ng/ml	100
T AR1016 5	6.260	0.0	197232.833	40.1267	ng/ml	100
T AR1016 3 #2	6.615	0.0	3262808.815	109.6709	ng/ml	100
T AR1016 4 #2	6.790	0.0	31614.692	1.4764	ng/ml	100
T AR1016 5 #2	7.054	0.0	4500222.256	393.9950	ng/ml	100
T AR1260 1	8.303	0.0	2293058.494	188.2175	ng/ml	100
T AR1260 2	8.899	0.0	142206.665	7.6461	ng/ml	100
T AR1260 3	9.297	0.0	919483.691	46.2676	ng/ml	100
T AR1260 1 #2	9.648	0.0	671452.681	22.5311	ng/ml	100
T AR1260 4	9.842	0.0	1440736.710	133.0662	ng/ml	100
T AR1260 2 #2	9.885	0.0	2141907.367	63.7465	ng/ml	100
T AR1260 3 #2	0.000		0	N.D.		
T AR1260 5	10.636	0.0	537242.246	31.3813	ng/ml	100
T AR1260 4 #2	10.713	0.0	955264.672	38.0355	ng/ml	100
T AR1260 5 #2	11.477	0.0	139766.650	3.8394	ng/ml	100

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

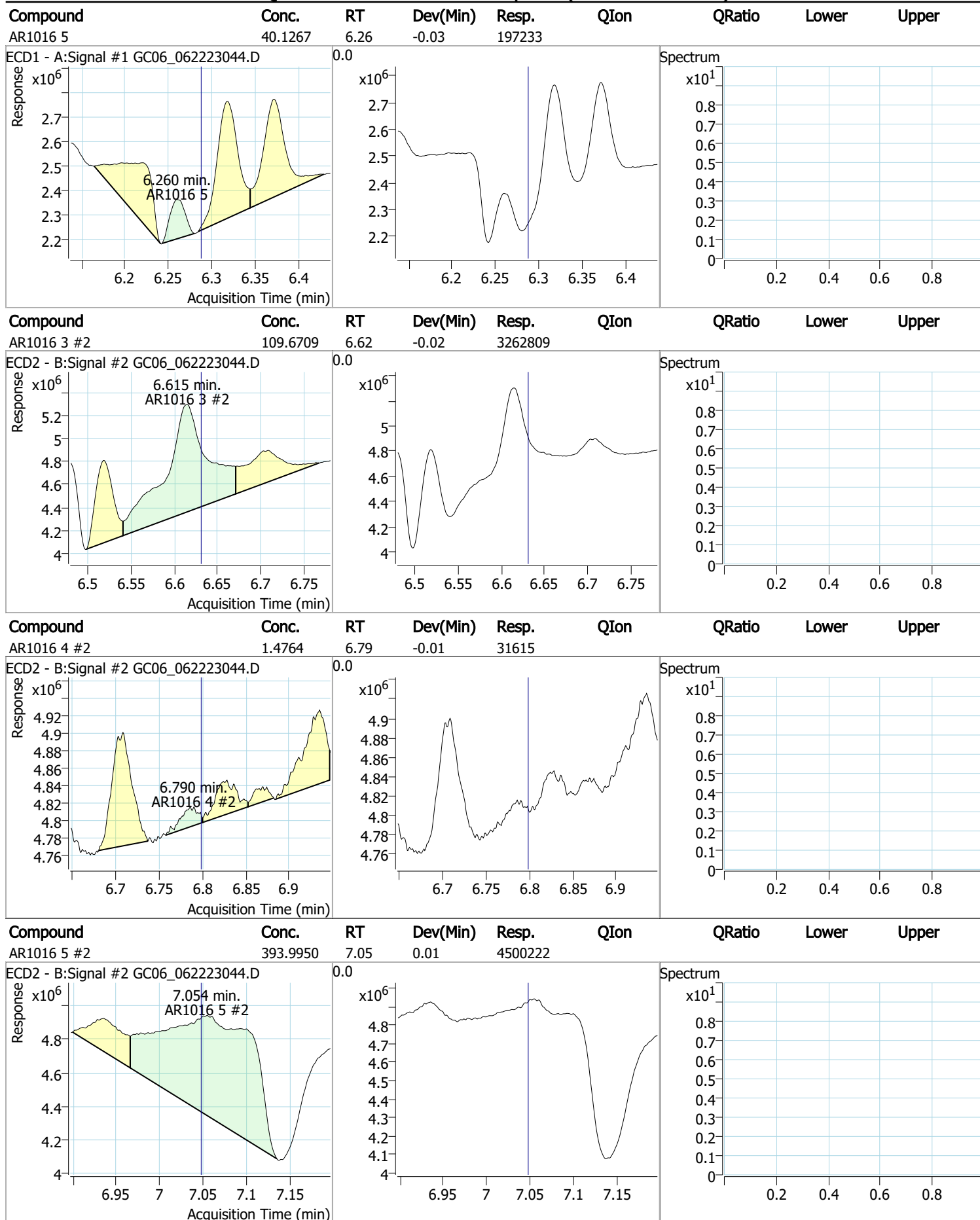
Quantitation Results Report (Not Reviewed)



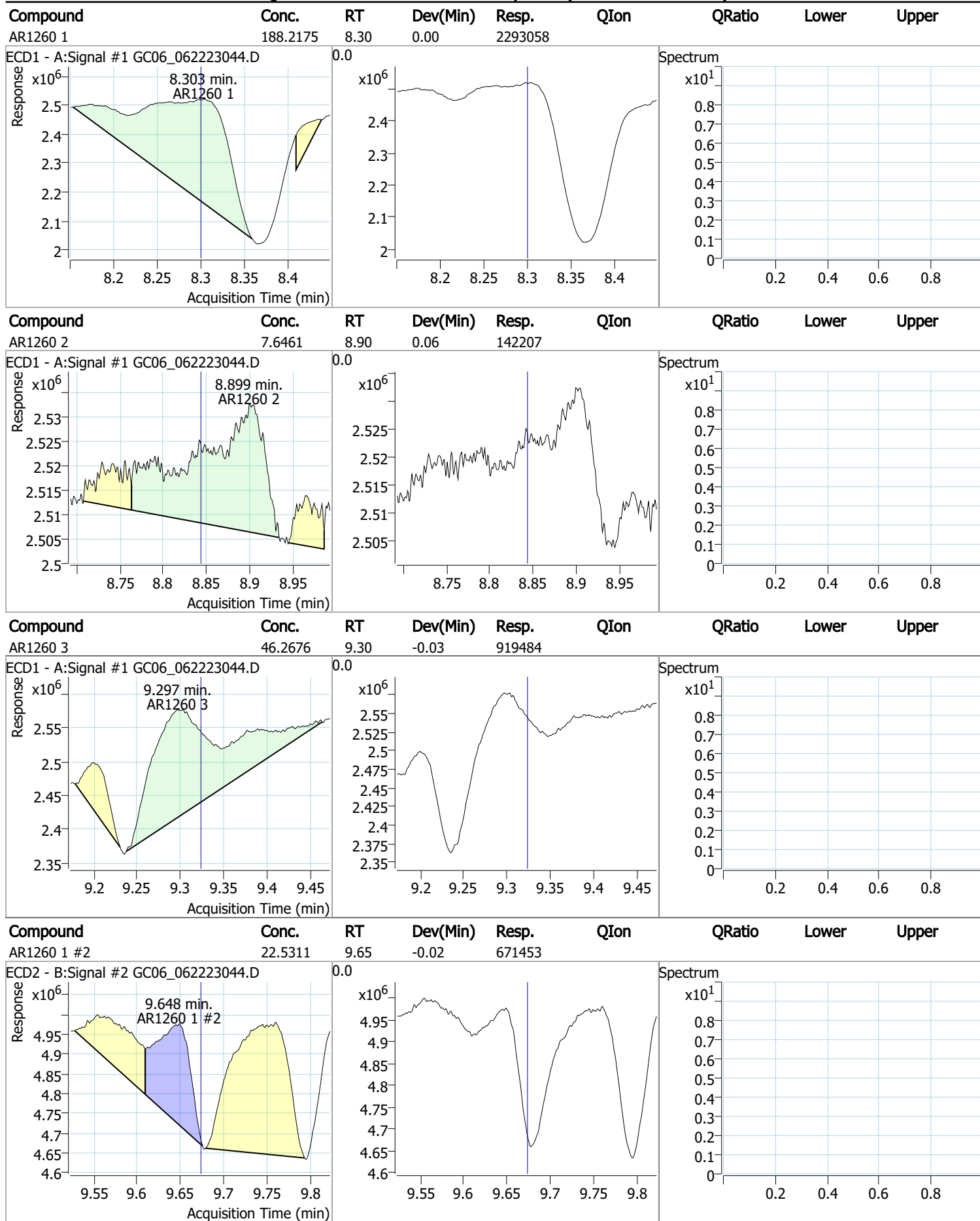
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

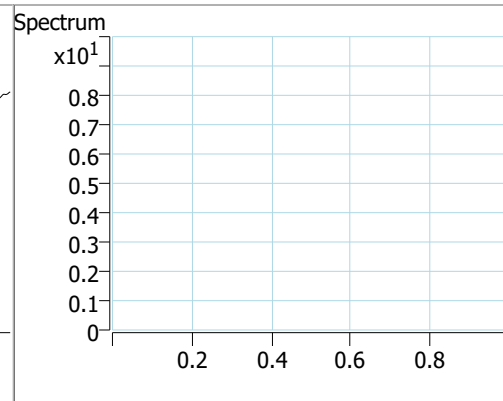
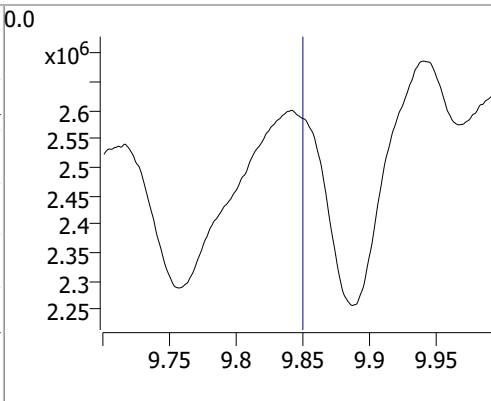
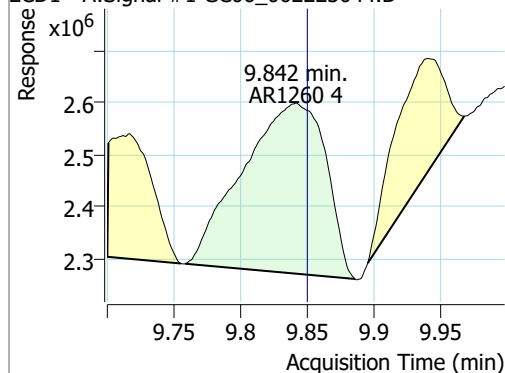


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 4 133.0662 9.84 -0.01 1440737

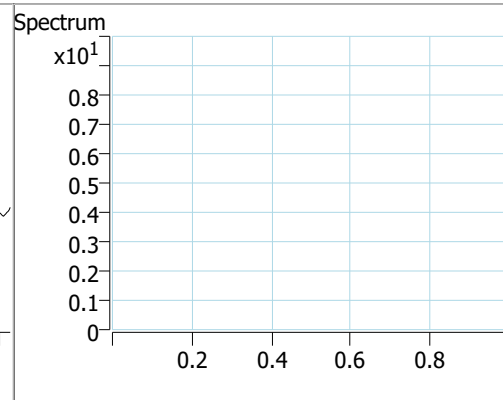
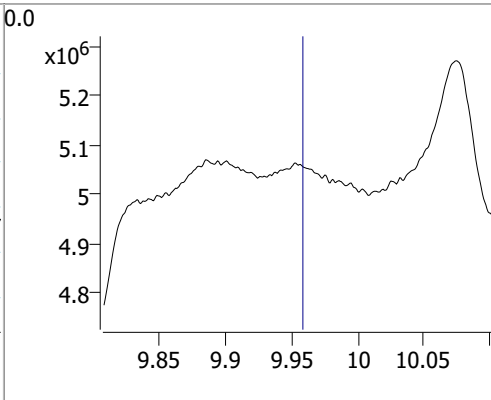
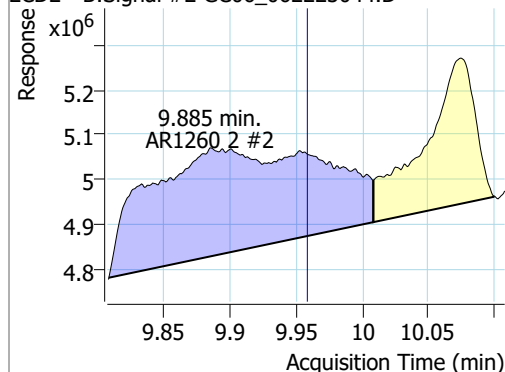
ECD1 - A:Signal #1 GC06_062223044.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 2 #2 63.7465 9.89 -0.07 2141907

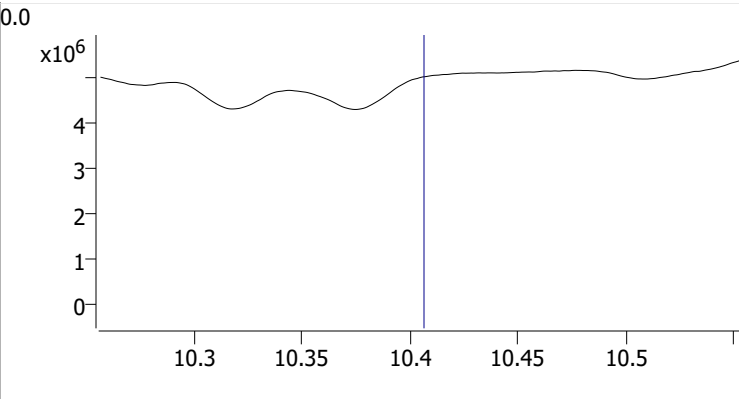
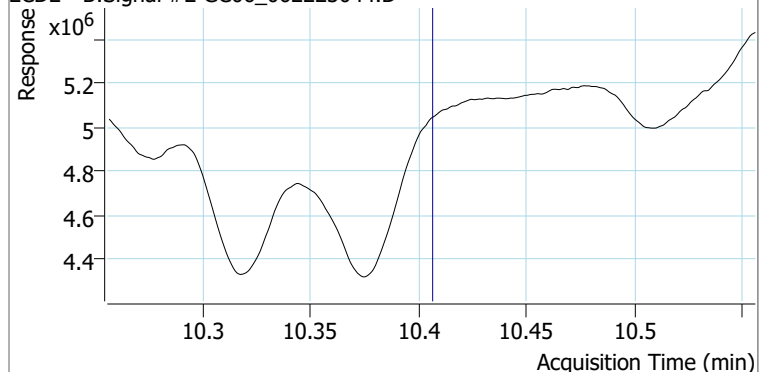
ECD2 - B:Signal #2 GC06_062223044.D



Compound	Conc.	Exp RT	QIon	Exp Ratio
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AR1260 3 #2 N.D. 10.41

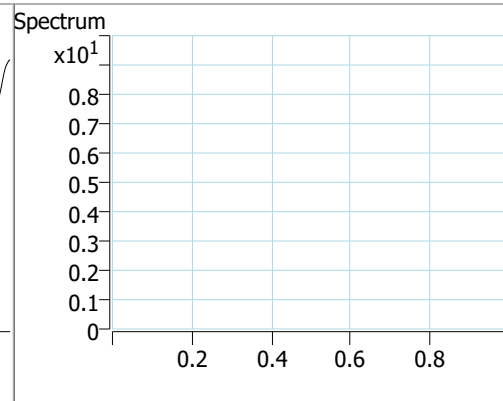
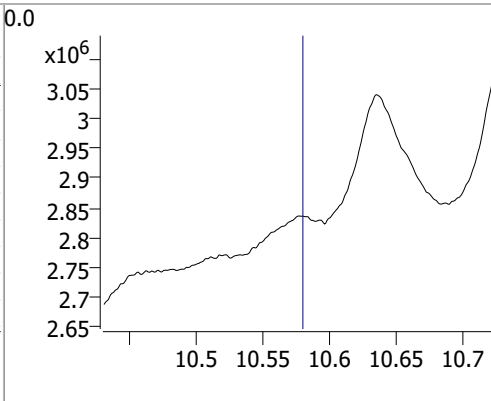
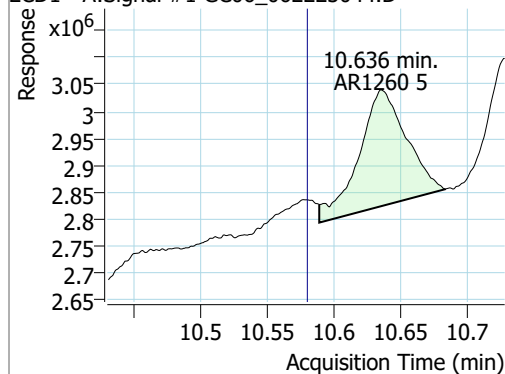
ECD2 - B:Signal #2 GC06_062223044.D



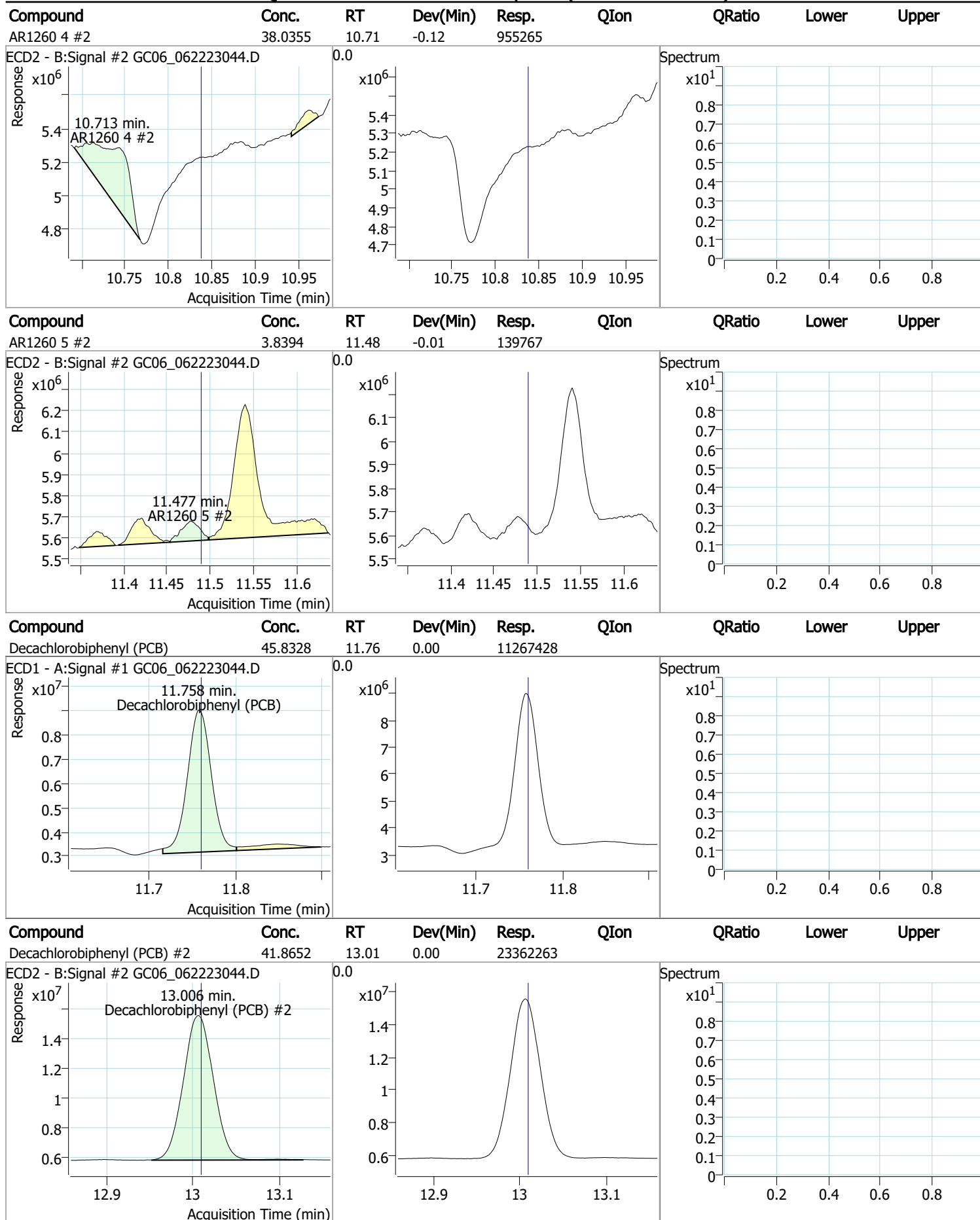
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1260 5 31.3813 10.64 0.06 537242

ECD1 - A:Signal #1 GC06_062223044.D



Quantitation Results Report (Not Reviewed)



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-020	Client ID: ARCH-C6W-DG-3 TO 3.5-230619-P-FB
Seqnum: 453249852045.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223045	Batch: 316643	Time: 23-JUN-2023 00:35
Cal: 453205686001	Caldate: 22-MAY-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	140.8	1.4 ^{FP}	0.86	48%	0.50		X U
Aroclor-1016 Peak # 1	B	27.15	0.27	0.51	61%			
Aroclor-1016 Peak # 2	B	128.9	1.29	0.67	63%			
Aroclor-1016 Peak # 3	B	113.7	1.14	1.93	52%			
Aroclor-1016 Peak # 4	B	3.927	0.04	0.86	182%			
Aroclor-1016 Peak # 5	B	430.4	4.30	0.34	171%			
Aroclor-1221	B		ND			0.50		U
Aroclor-1232	B		ND			0.50		U
Aroclor-1242	B		ND			0.50		U
Aroclor-1248	B		ND			0.50		U
Aroclor-1254	B		ND			0.50		U
Aroclor-1260	B	48.32	ND	0.82	52%	0.50		U
Aroclor-1260 Peak # 1	B	20.87	0.21	2.04	163%			
Aroclor-1260 Peak # 2	B	158.7	1.59	0.08	181%			
Aroclor-1260 Peak # 3	B	17.55	0.18	0.33	62%			
Aroclor-1260 Peak # 4	B	11.11	0.11	1.08	163%			
Aroclor-1260 Peak # 5	B	33.39	0.33	0.58	53%			
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	39.71	0.5000	0.3971	79	19-121	U
Decachlorobiphenyl (PCB)	B	43.50	0.5000	0.4350	87	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_062223039)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9928546	9607125	-3.24
1-bromo-2-nitrobenzene (PCB)	A	3478696	3388296	-2.60

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_062223039)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.32	4.32	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

u=use x=false positive

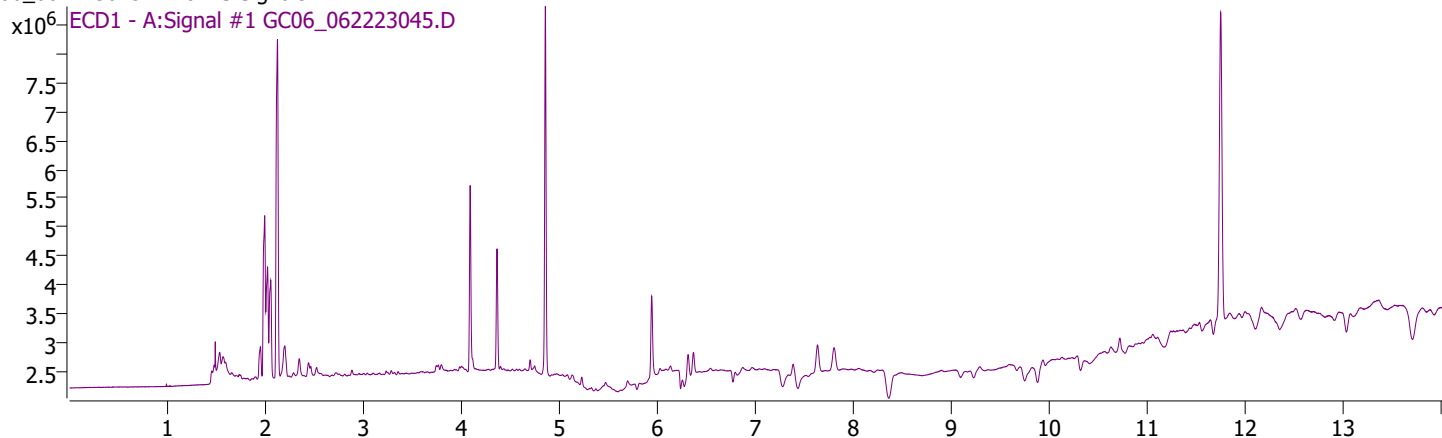
Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_062223045.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/23/2023 12:35:46 AM
Sample Name	487140-020, 316643, 1	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8A.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB2.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

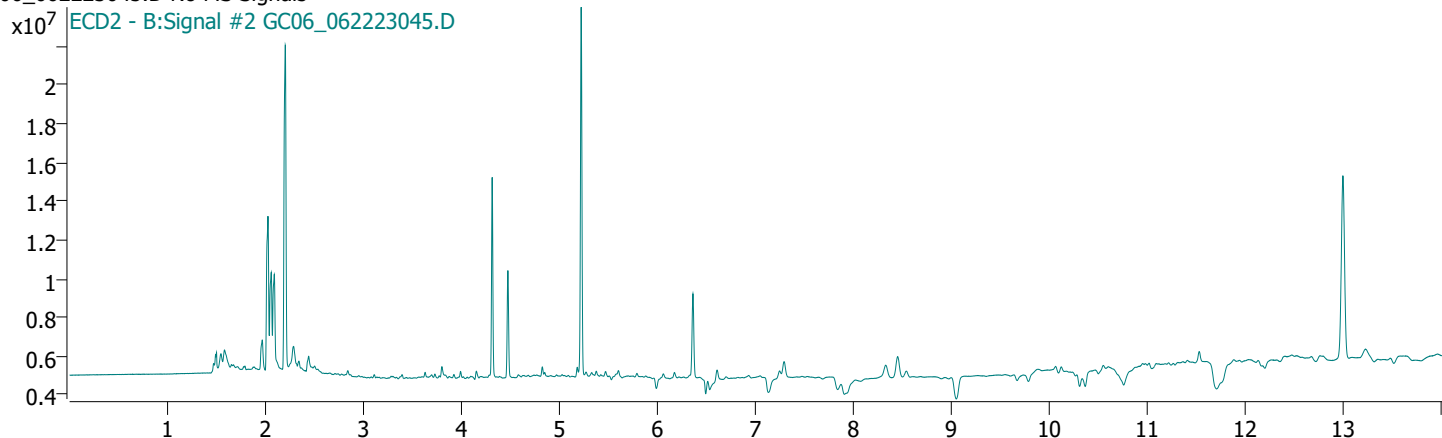
GC06_062223045.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_062223045.D



GC06_062223045.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_062223045.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	3388296.49 6	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9607124.90 1	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	6348925.57 3	35.1638	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 175.82%	*	
S TCMX (PCB) #2	5.227	0.0	20238919.5 41	39.7143	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.57%	*	
S Decachlorobiphenyl (PCB)	11.760	0.0	10613134.6 74	46.9404	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 234.70%	*	
S Decachlorobiphenyl (PCB) #2	13.008	0.0	22068410.9 81	43.4981	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.49%	*	

Target Compounds

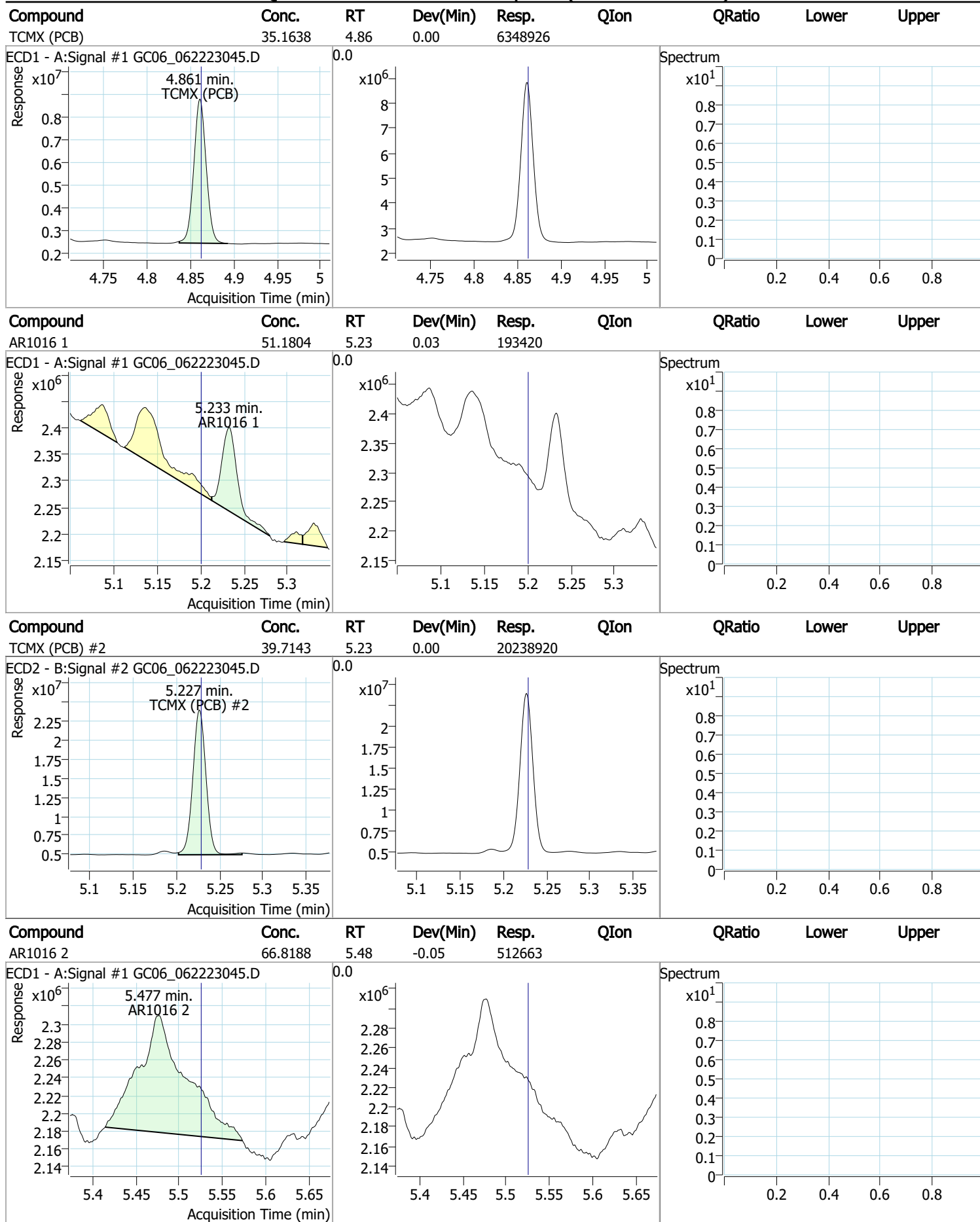
QValue

Quantitation Results Report (Not Reviewed)

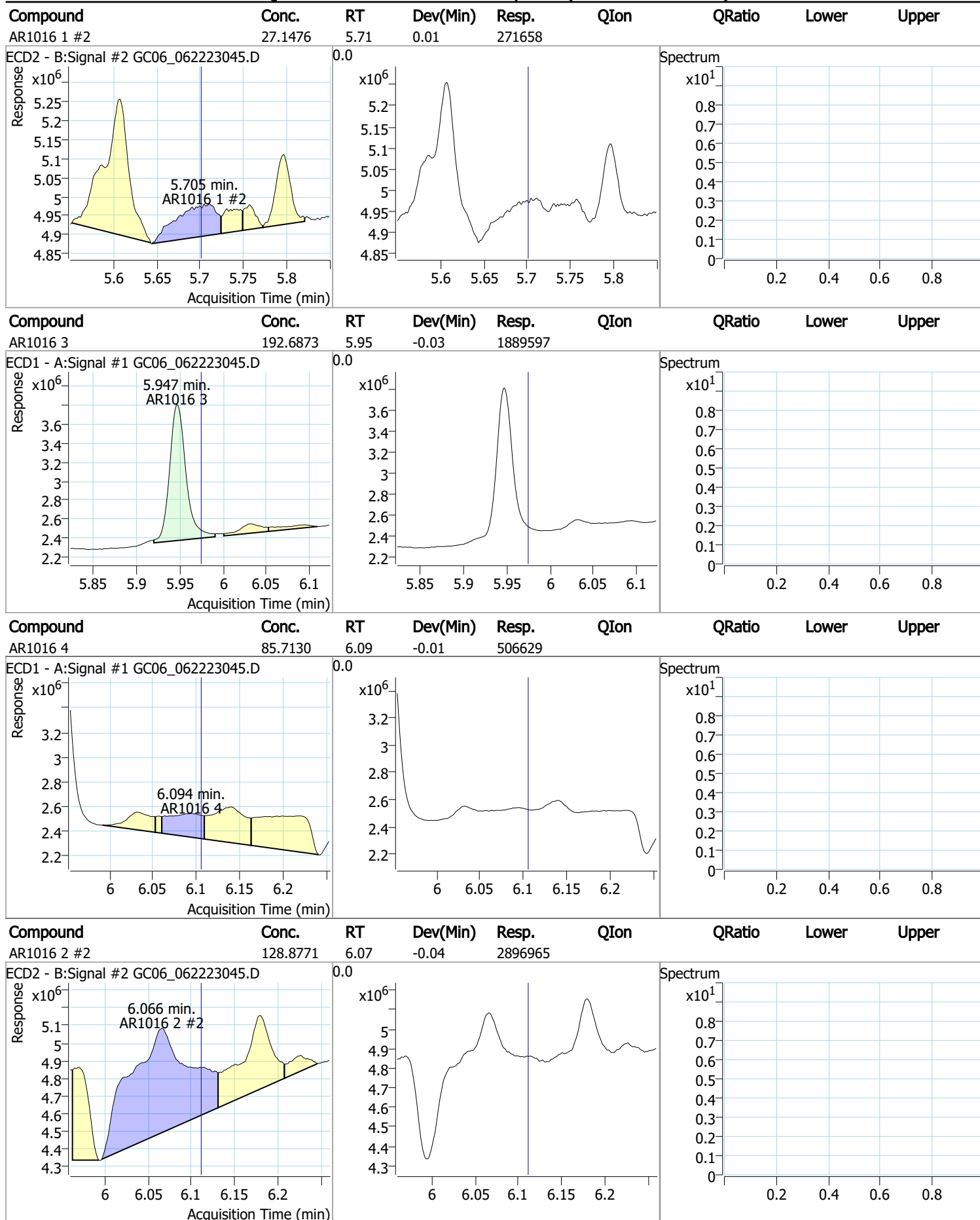
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.233	0.0	193419.630	51.1804	ng/ml	100
T AR1016 2	5.477	0.0	512663.200	66.8188	ng/ml	100
T AR1016 1 #2	5.705	0.0	271657.547	27.1476	ng/ml	100
T AR1016 3	5.947	0.0	1889596.978	192.6873	ng/ml	100
T AR1016 4	6.094	0.0	506629.115	85.7130	ng/ml	100
T AR1016 2 #2	6.066	0.0	2896964.765	128.8771	ng/ml	100
T AR1016 5	6.261	0.0	154549.755	34.1881	ng/ml	100
T AR1016 3 #2	6.615	0.0	3074247.742	113.6581	ng/ml	100
T AR1016 4 #2	6.786	0.0	76442.654	3.9266	ng/ml	100
T AR1016 5 #2	7.054	0.0	4469700.145	430.4243	ng/ml	100
T AR1260 1	8.253	0.0	2289628.559	204.3440	ng/ml	100
T AR1260 2	8.907	0.0	134559.101	7.8666	ng/ml	100
T AR1260 3	9.301	0.0	606431.094	33.1792	ng/ml	100
T AR1260 1 #2	9.649	0.0	565467.551	20.8706	ng/ml	100
T AR1260 4	9.833	0.0	1079308.984	108.3879	ng/ml	100
T AR1260 2 #2	10.073	0.0	4847471.476	158.6839	ng/ml	100
T AR1260 3 #2	10.345	0.0	686079.699	17.5503	ng/ml	100
T AR1260 5	10.640	0.0	905366.605	57.5013	ng/ml	100
T AR1260 4 #2	10.965	0.0	253767.210	11.1138	ng/ml	100
T AR1260 5 #2	11.541	0.0	1105050.400	33.3891	ng/ml	100

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

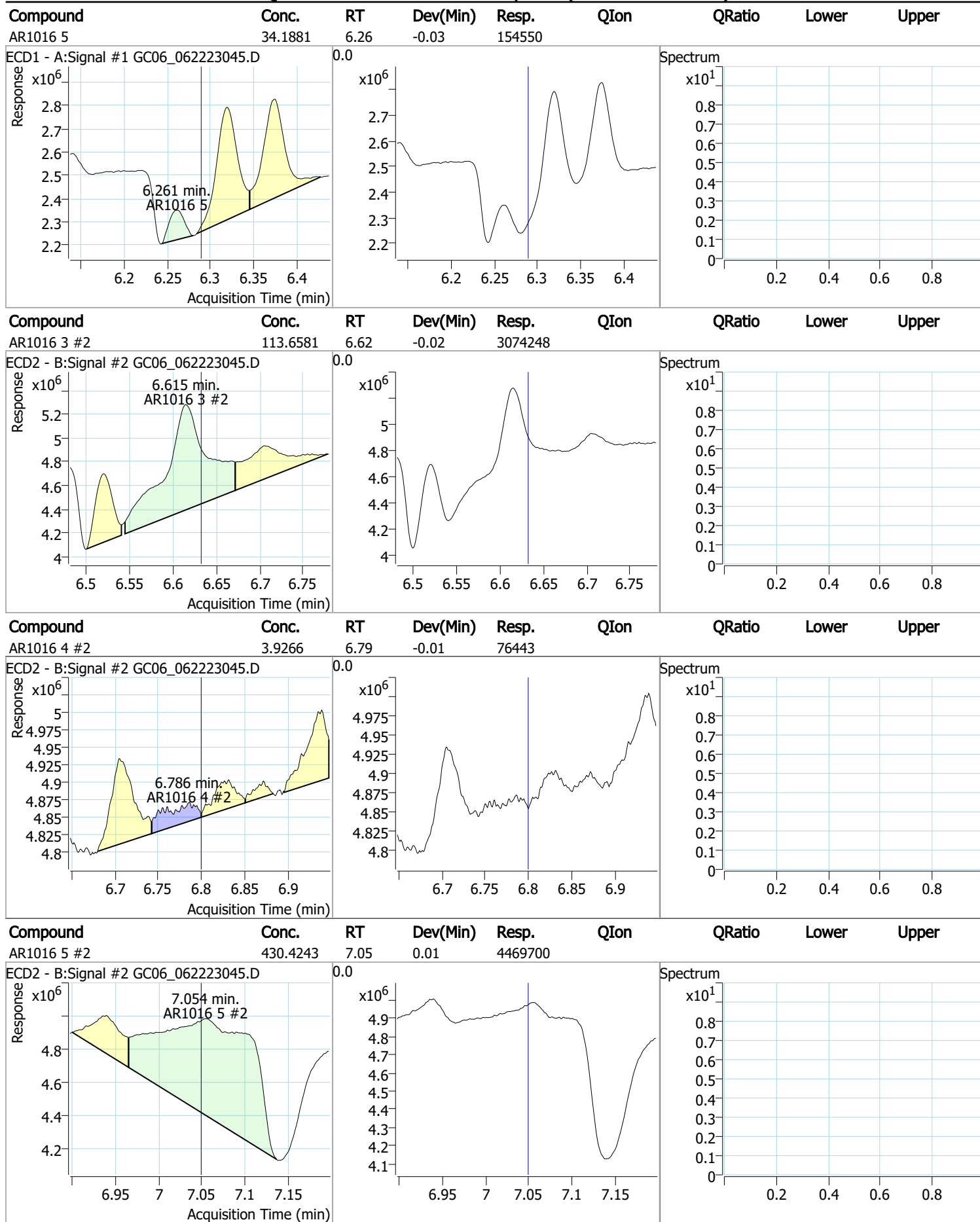
Quantitation Results Report (Not Reviewed)



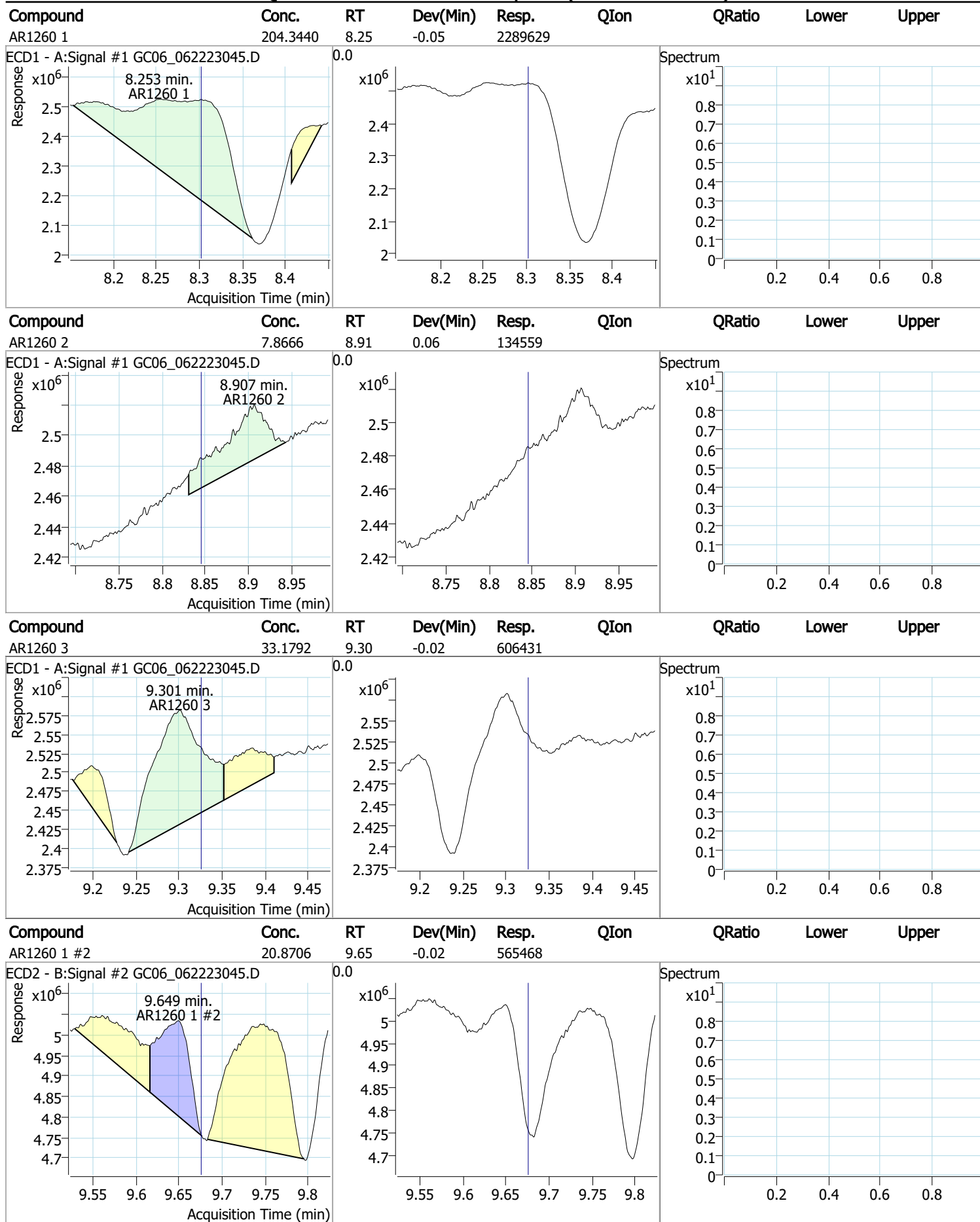
Quantitation Results Report (Not Reviewed)



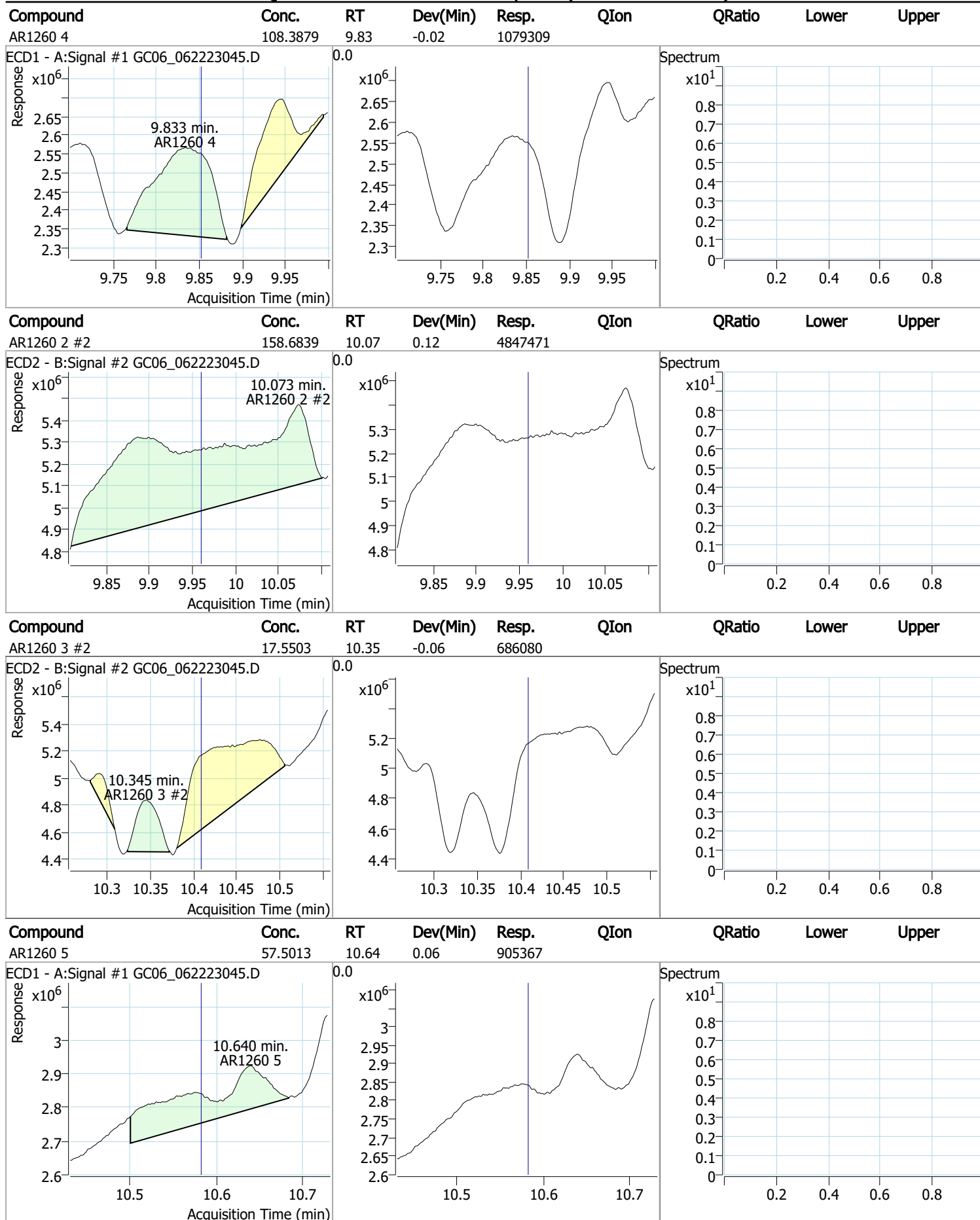
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

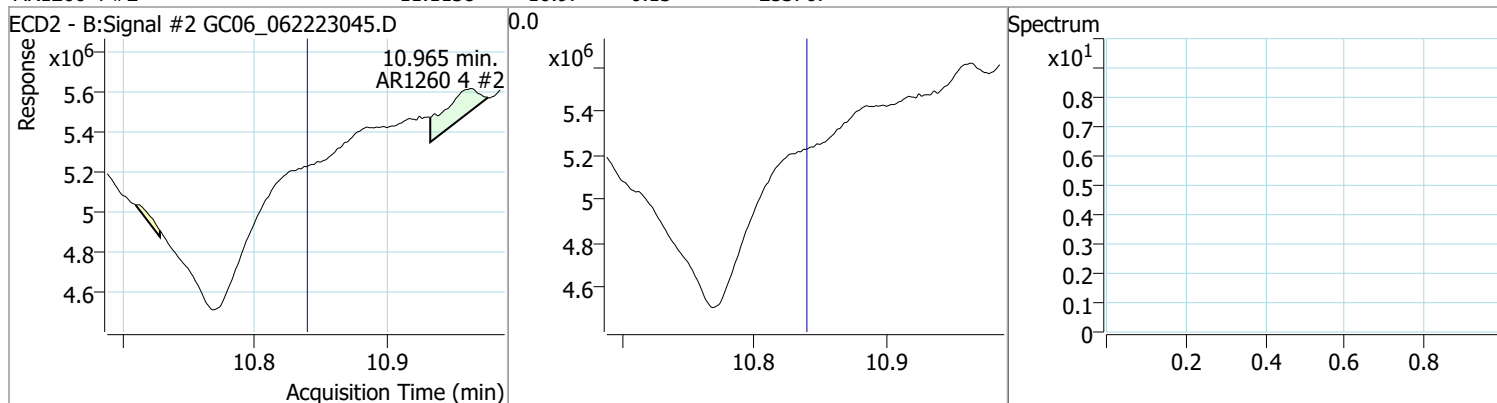


Quantitation Results Report (Not Reviewed)

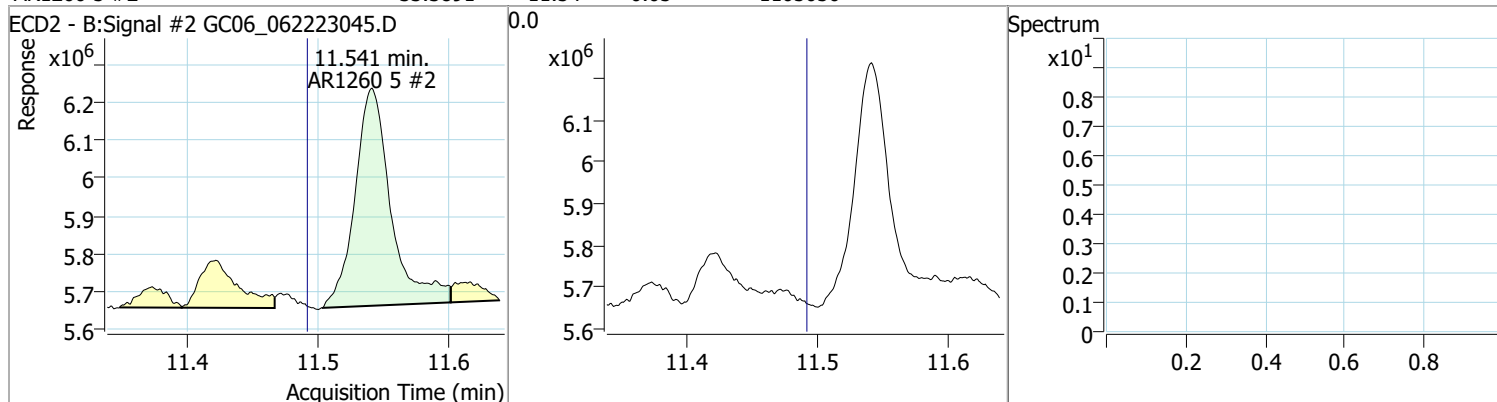


Quantitation Results Report (Not Reviewed)

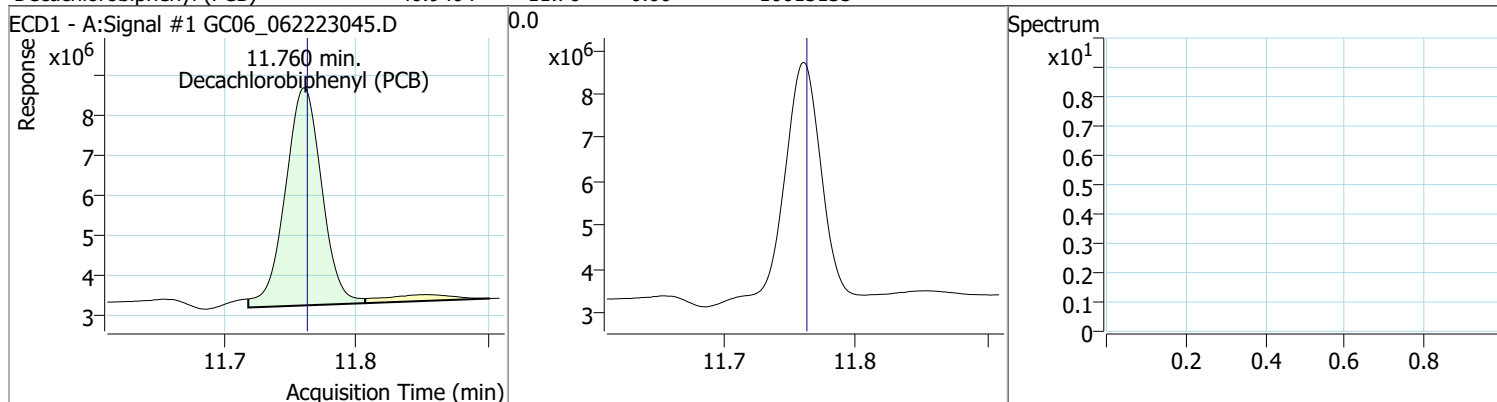
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	11.1138	10.97	0.13	253767				



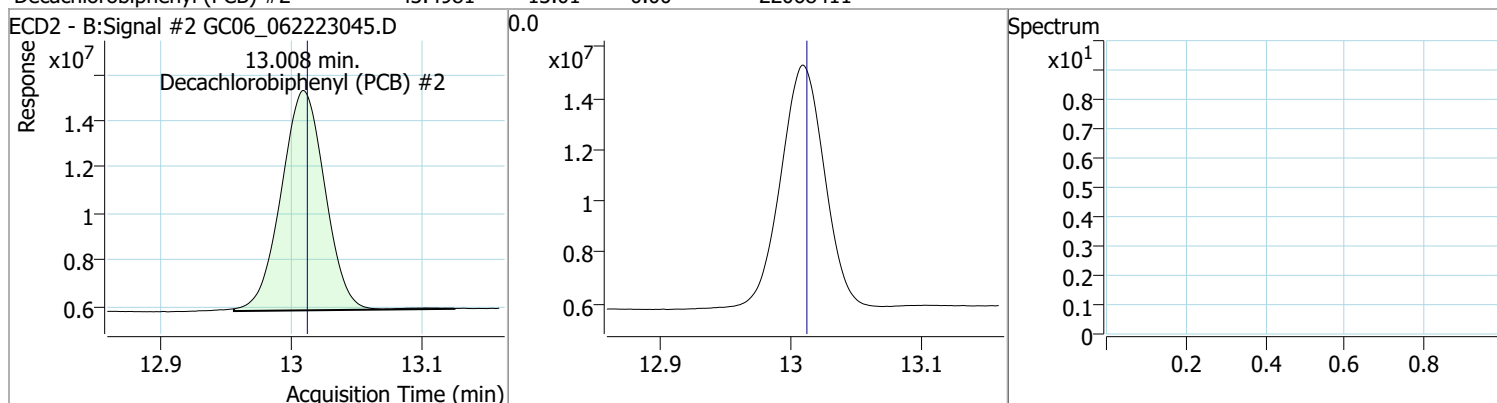
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	33.3891	11.54	0.05	1105050				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	46.9404	11.76	0.00	10613135				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	43.4981	13.01	0.00	22068411				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst: SVOA-GC06	Lab ID: 487140-023	Client ID: ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-P-LA
Seqnum: 453249852046.1	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: gc06_062223046	Batch: 316643	Time: 23-JUN-2023 00:54
Cal: 453205686001	Caldate: 22-MAY-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	124.6	1.2 FP	0.92	30%	0.50		x u
Aroclor-1016 Peak # 1	B	31.94	0.32	0.53	50%			
Aroclor-1016 Peak # 2	B	97.85	0.98	0.62	45%			
Aroclor-1016 Peak # 3	B	110.0	1.10	0.32	109%			
Aroclor-1016 Peak # 4	B	3.680	0.04	2.93	195%			
Aroclor-1016 Peak # 5	B	379.7	3.80	0.19	181%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	25.81	ND	0.66	87%	0.50		u
Aroclor-1260 Peak # 1	B	16.43	0.16	1.62	163%			
Aroclor-1260 Peak # 2	B	33.90	0.34	0.11	101%			
Aroclor-1260 Peak # 3	B	16.83	0.17	0.27	45%			
Aroclor-1260 Peak # 4	B	18.42	0.18	1.07	141%			
Aroclor-1260 Peak # 5	B	43.46	0.43	0.22	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	36.57	0.5000	0.3657	73	19-121	u
Decachlorobiphenyl (PCB)	B	39.89	0.5000	0.3989	80	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_062223039)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9928546	9581226	-3.50
1-bromo-2-nitrobenzene (PCB)	A	3478696	3386813	-2.64

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR

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

ISTD (CCV gc06_062223039)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.32	4.32	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

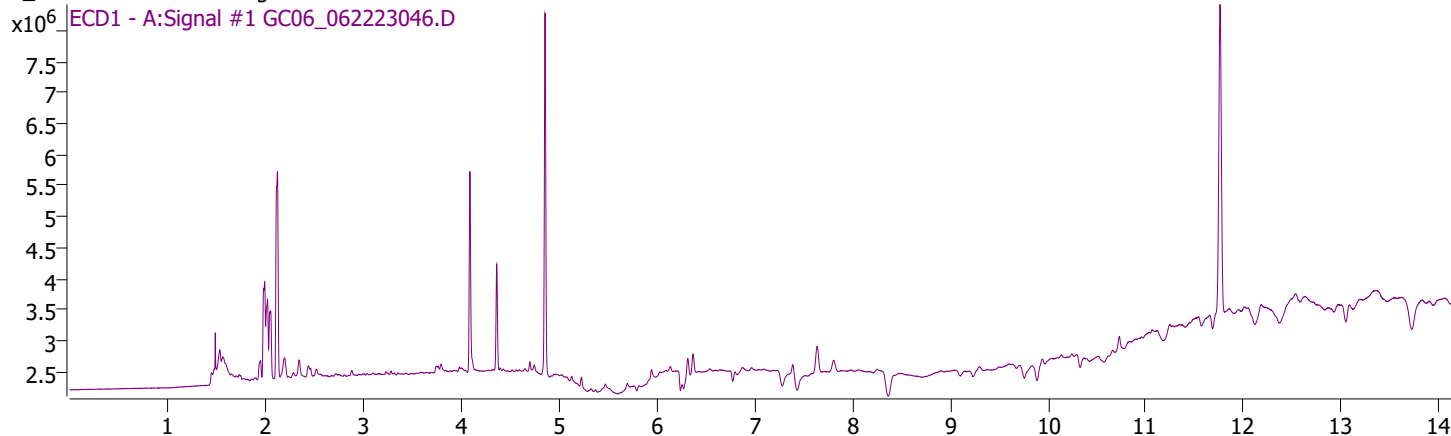
u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

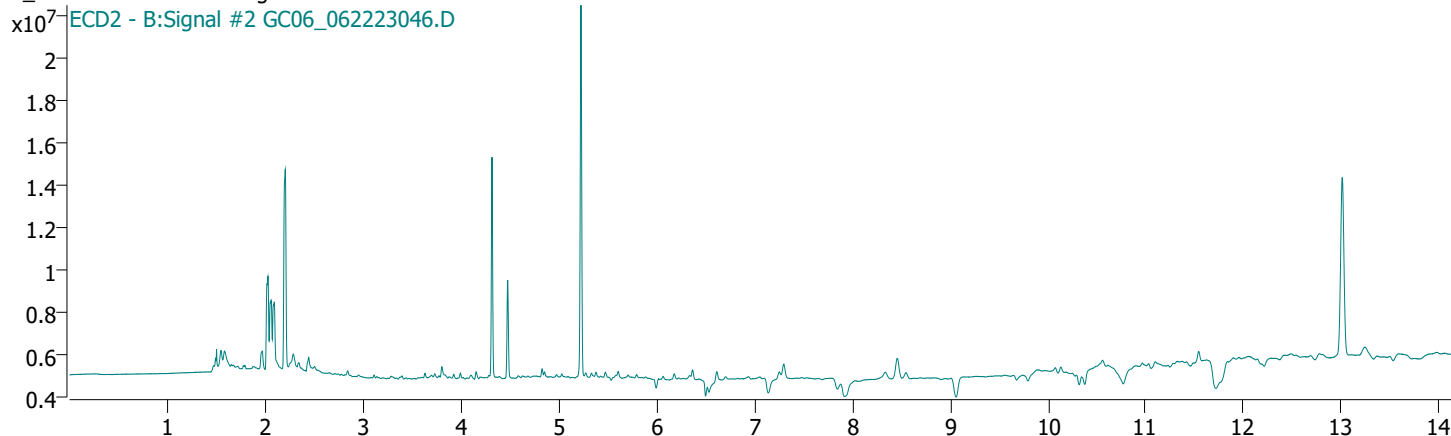
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223046.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/23/2023 12:54:03 AM
Sample Name	487140-023, 316643, 1	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8A.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB2.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223046.D No MS Signals



GC06_062223046.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.092	0.0	3386812.67 2	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9581226.28 2	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.859	0.0	5902009.21 5	32.7028	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.51%	*	
S TCMX (PCB) #2	5.227	0.0	18584050.1 24	36.5655	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.83%	*	
S Decachlorobiphenyl (PCB)	11.758	0.0	9865474.68 7	43.6528	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.26%	*	
S Decachlorobiphenyl (PCB) #2	13.007	0.0	20185688.6 04	39.8947	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.47%	*	

Target Compounds

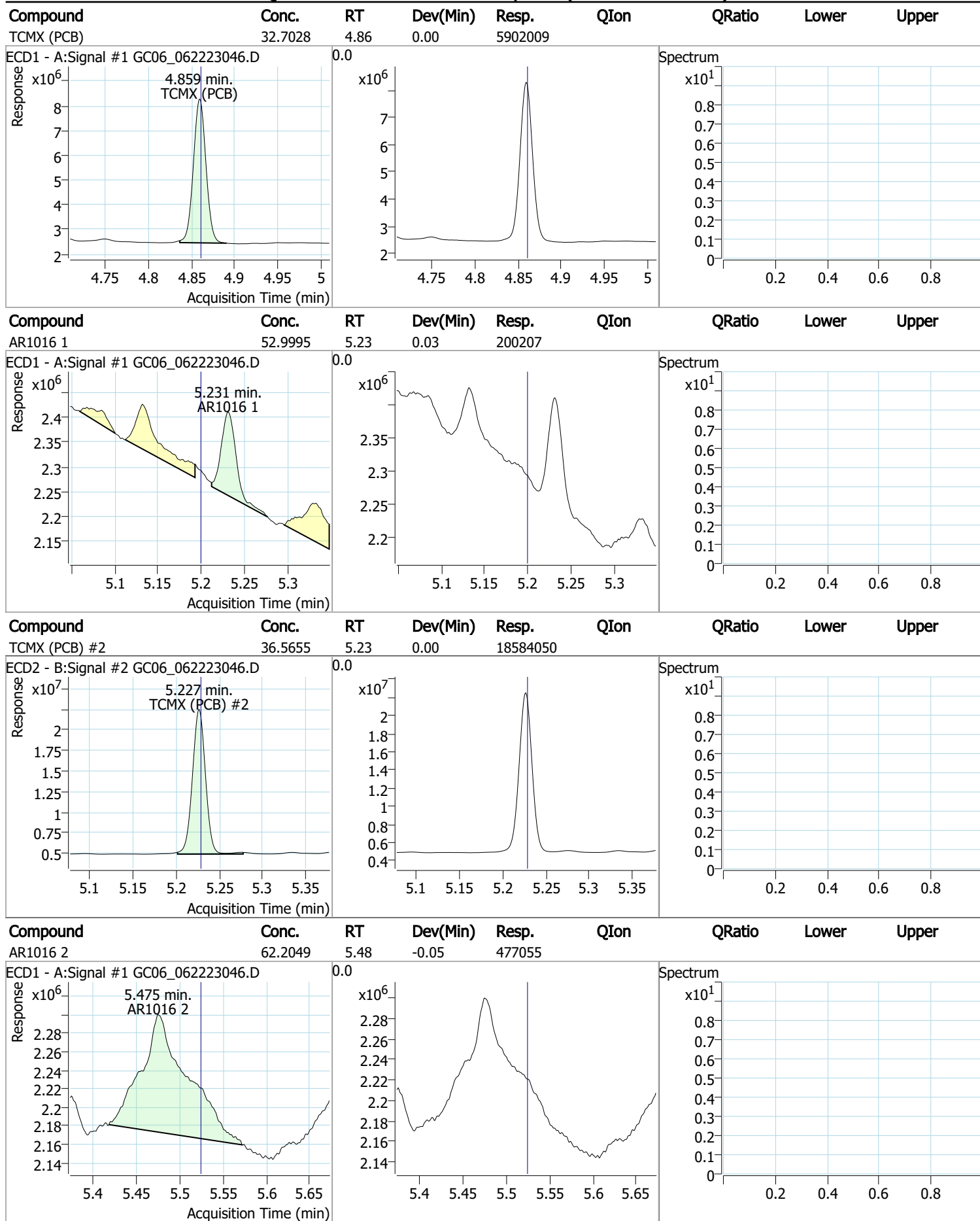
QValue

Quantitation Results Report (Not Reviewed)

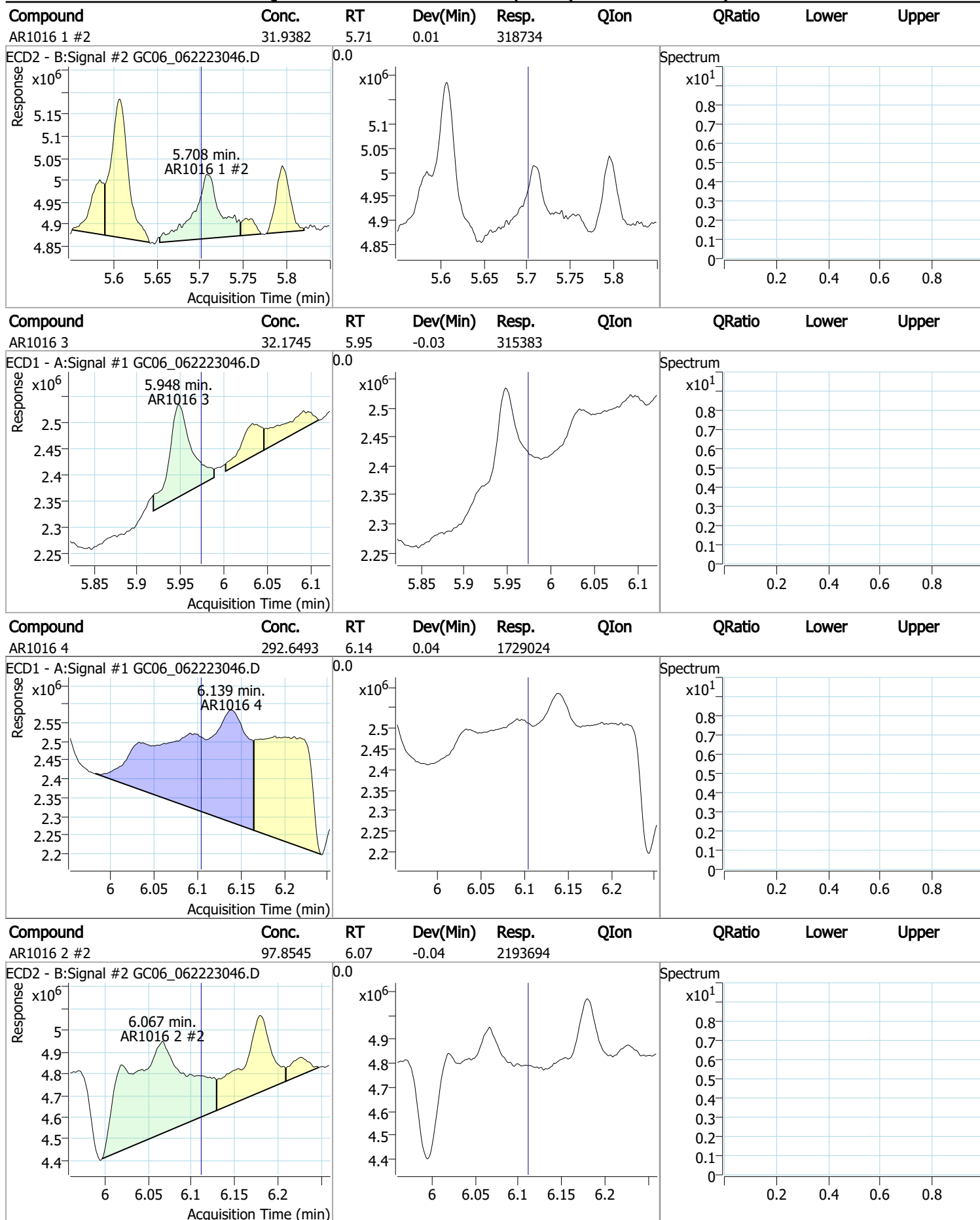
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.231	0.0	200206.751	52.9995	ng/ml	100
T AR1016 2	5.475	0.0	477054.747	62.2049	ng/ml	100
T AR1016 1 #2	5.708	0.0	318734.200	31.9382	ng/ml	100
T AR1016 3	5.948	0.0	315382.776	32.1745	ng/ml	100
T AR1016 4	6.139	0.0	1729023.53 3	292.6493	ng/ml	100
T AR1016 2 #2	6.067	0.0	2193694.42 4	97.8545	ng/ml	100
T AR1016 5	6.259	0.0	83992.812	18.5883	ng/ml	100
T AR1016 3 #2	6.615	0.0	2966161.12 7	109.9584	ng/ml	100
T AR1016 4 #2	6.830	0.0	71444.181	3.6798	ng/ml	100
T AR1016 5 #2	7.055	0.0	3932158.73 4	379.6835	ng/ml	100
T AR1260 1	8.254	0.0	1816209.63 0	162.1635	ng/ml	100
T AR1260 2	8.908	0.0	190969.133	11.1693	ng/ml	100
T AR1260 3	9.298	0.0	488162.003	26.7202	ng/ml	100
T AR1260 1 #2	9.643	0.0	443841.734	16.4259	ng/ml	100
T AR1260 4	9.838	0.0	1061620.25 4	106.6582	ng/ml	100
T AR1260 2 #2	9.968	0.0	1032932.59 4	33.9048	ng/ml	100
T AR1260 3 #2	10.344	0.0	656108.812	16.8290	ng/ml	100
T AR1260 5	10.514	0.0	346396.014	22.0098	ng/ml	100
T AR1260 4 #2	10.964	0.0	419380.709	18.4165	ng/ml	100
T AR1260 5 #2	11.541	0.0	1434423.50 0	43.4583	ng/ml	100

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

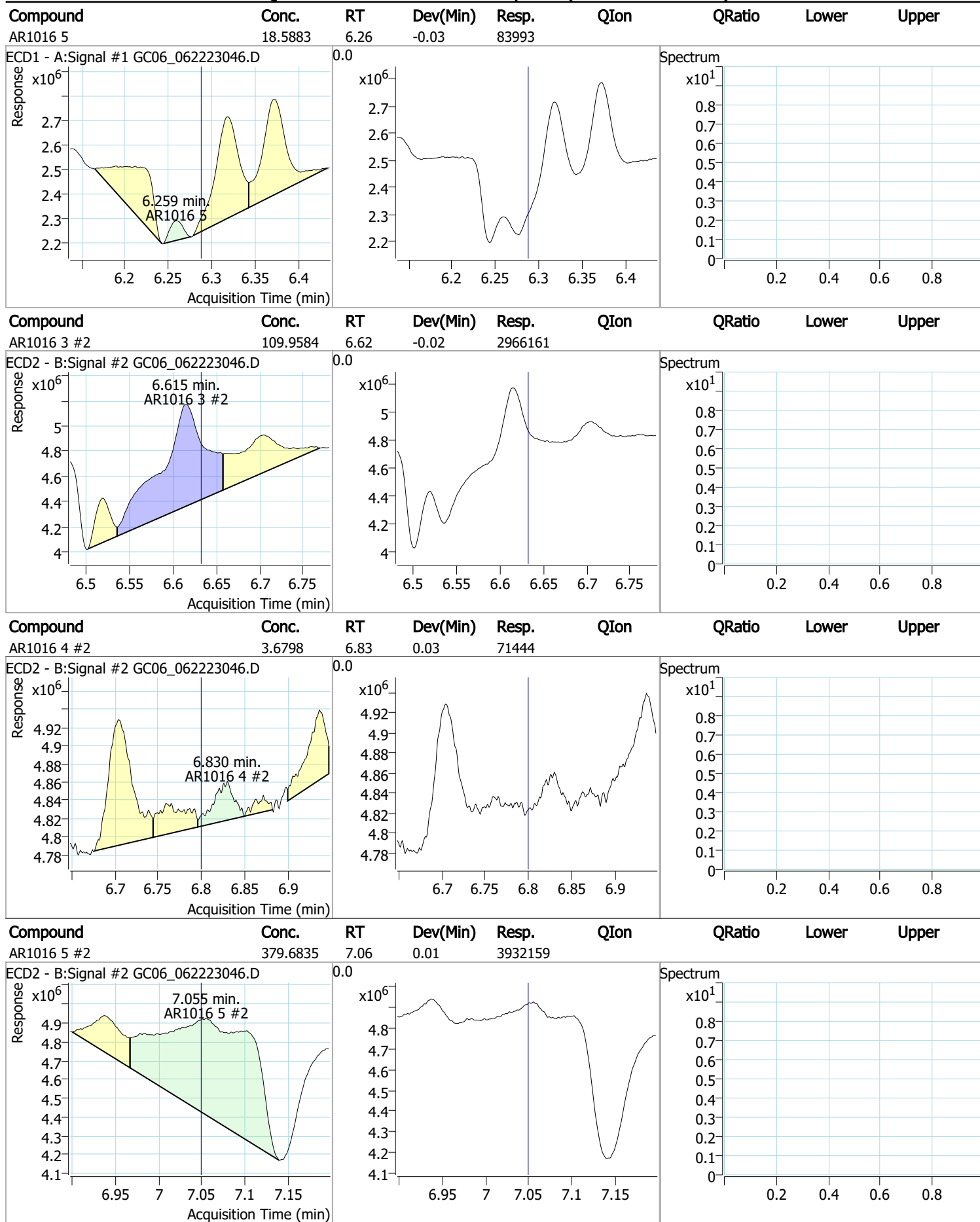
Quantitation Results Report (Not Reviewed)



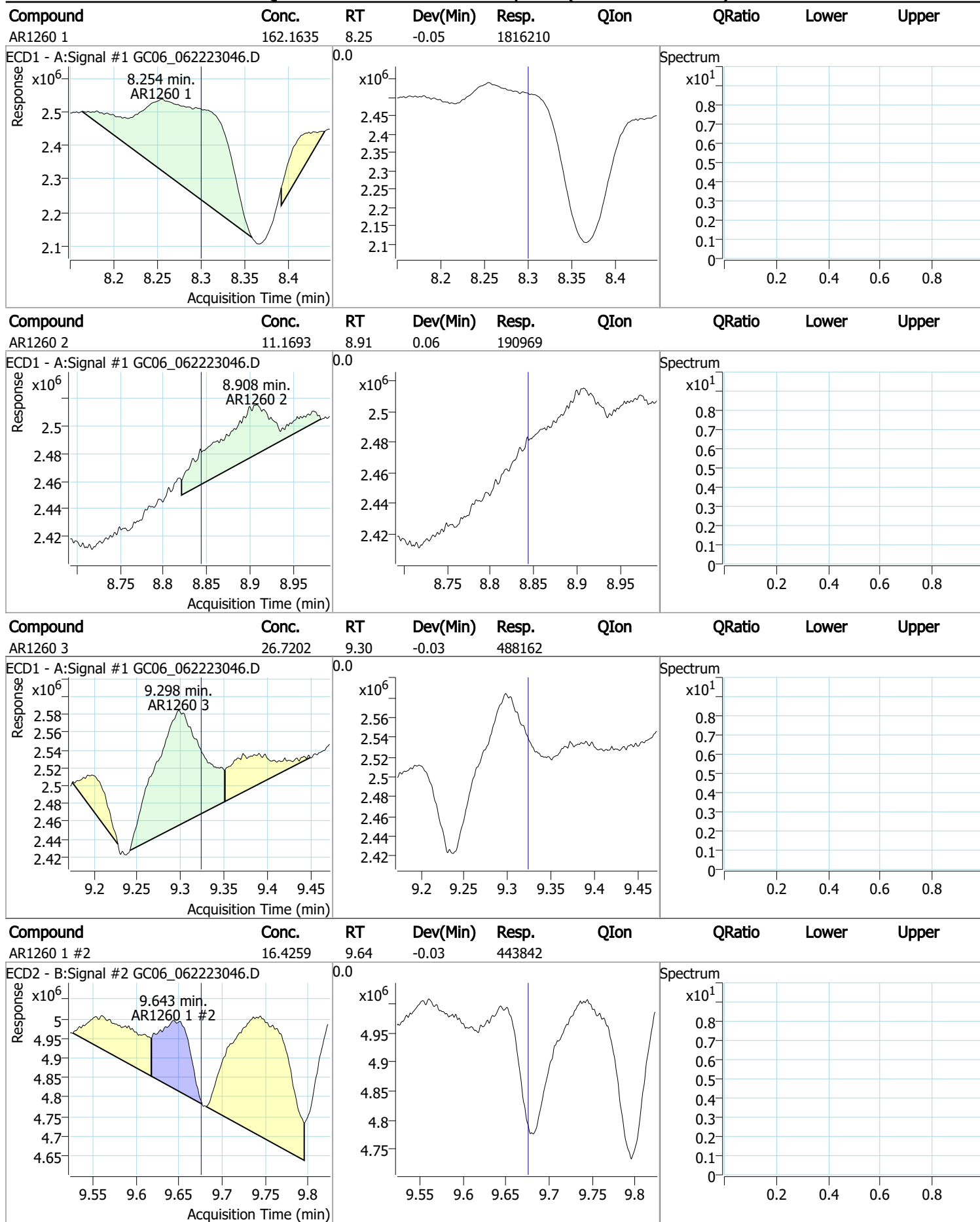
Quantitation Results Report (Not Reviewed)



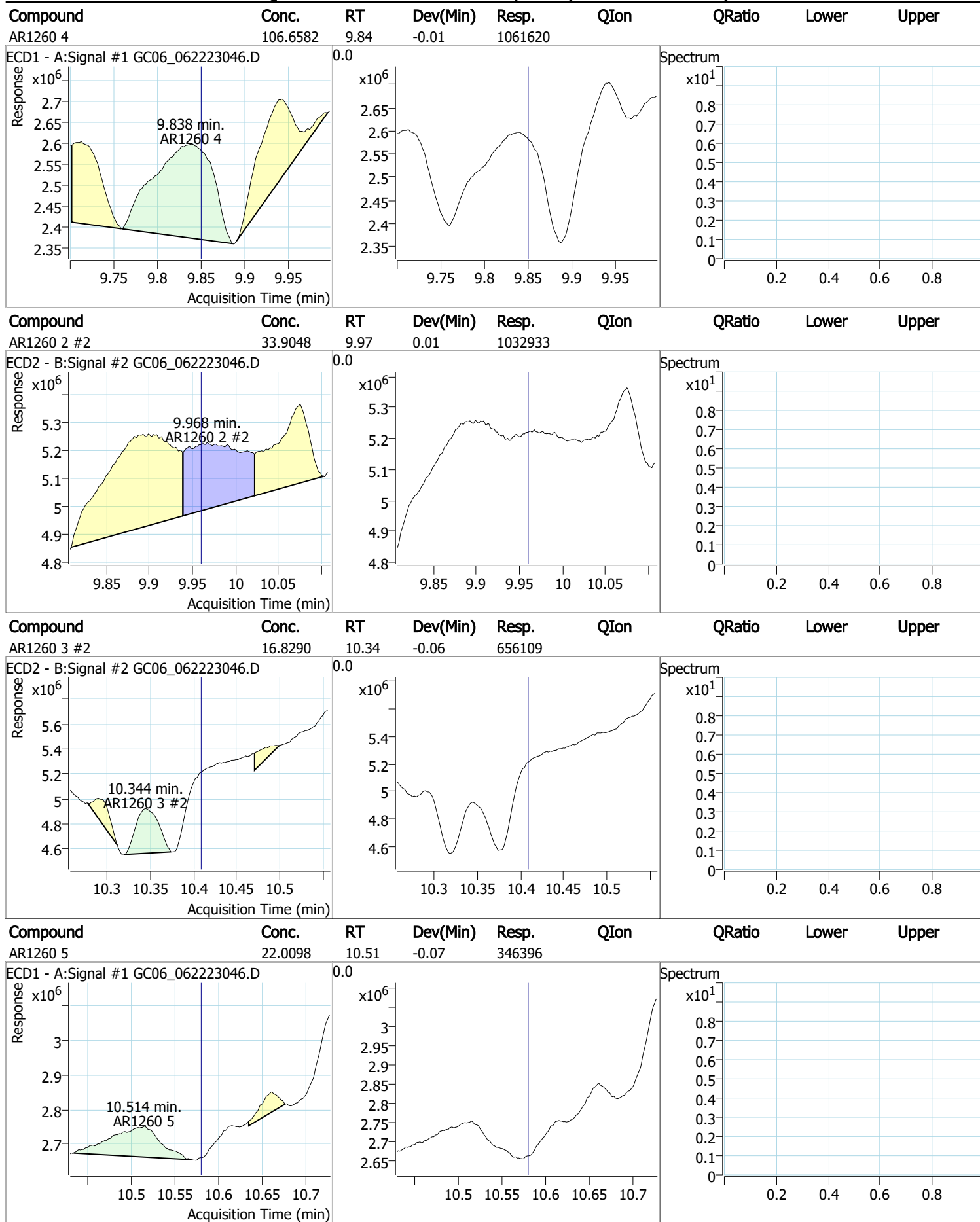
Quantitation Results Report (Not Reviewed)



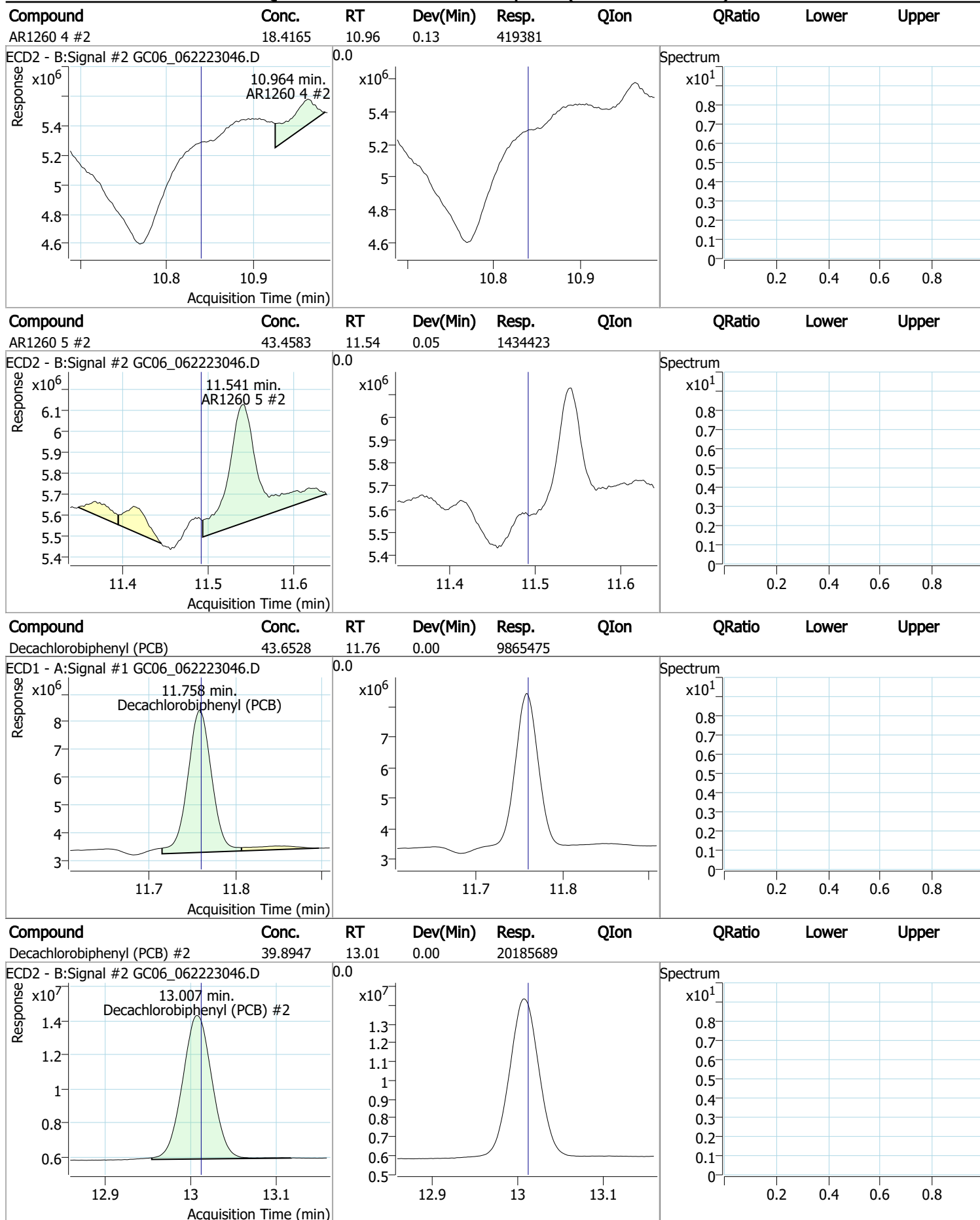
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 487140 PCBS Wipe

EPA 8082

Inst: SVOA-GC06	Lab ID: QC1074812	
Seqnum: 453249852012.3	Matrix: Wipe	
File: gc06_062223012	Batch: 316643	Time: 22-JUN-2023 14:25
Cal: 453205686001	Caldate: 22-MAY-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	93.07	0.93 FP	1.1	18%	0.50	x u
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	18.48	ND	0.76	121%	0.50	u
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	39.44	0.5000	0.3944	79	19-121	u
Decachlorobiphenyl (PCB)	B	52.52	0.5000	0.5252	105	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_062223004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9425324	1.90
1-bromo-2-nitrobenzene (PCB)	A	3197195	3462793	8.31

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 (CCV gc06_062223004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

06/23/23 : WIPE/1dm2-10ML [general version]

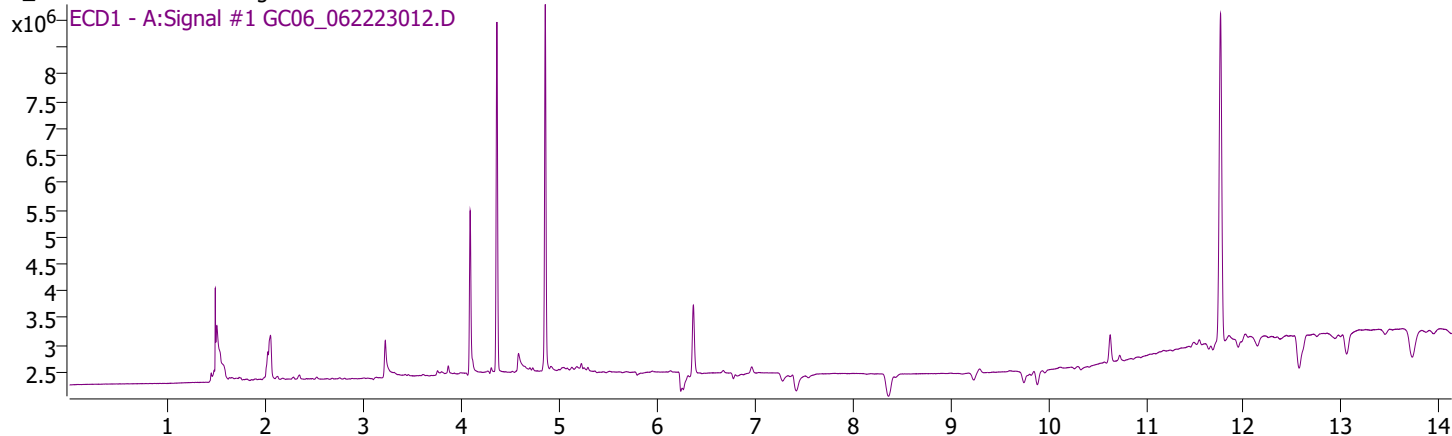
u=use x=false positive

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

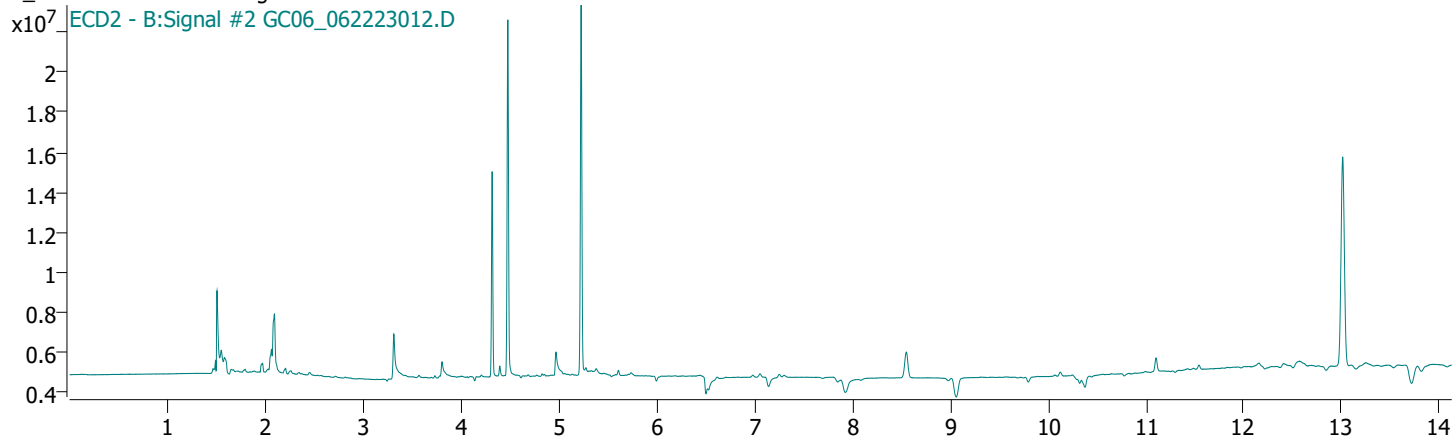
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223012.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 2:25:30 PM
Sample Name	QC10744812, 316643, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223012.D No MS Signals



GC06_062223012.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	3462793.327	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9425324.394	20.0000	ng/ml	-0.016
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	6990794.217	37.8858	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.43%	*	
S TCMX (PCB) #2	5.228	0.0	19717152.302	39.4367	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.18%	*	
S Decachlorobiphenyl (PCB)	11.762	0.0	11655404.884	50.4412	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 252.21%	*	
S Decachlorobiphenyl (PCB) #2	13.011	0.0	26142248.875	52.5218	ng/ml	-0.016
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 262.61%	*	

Target Compounds

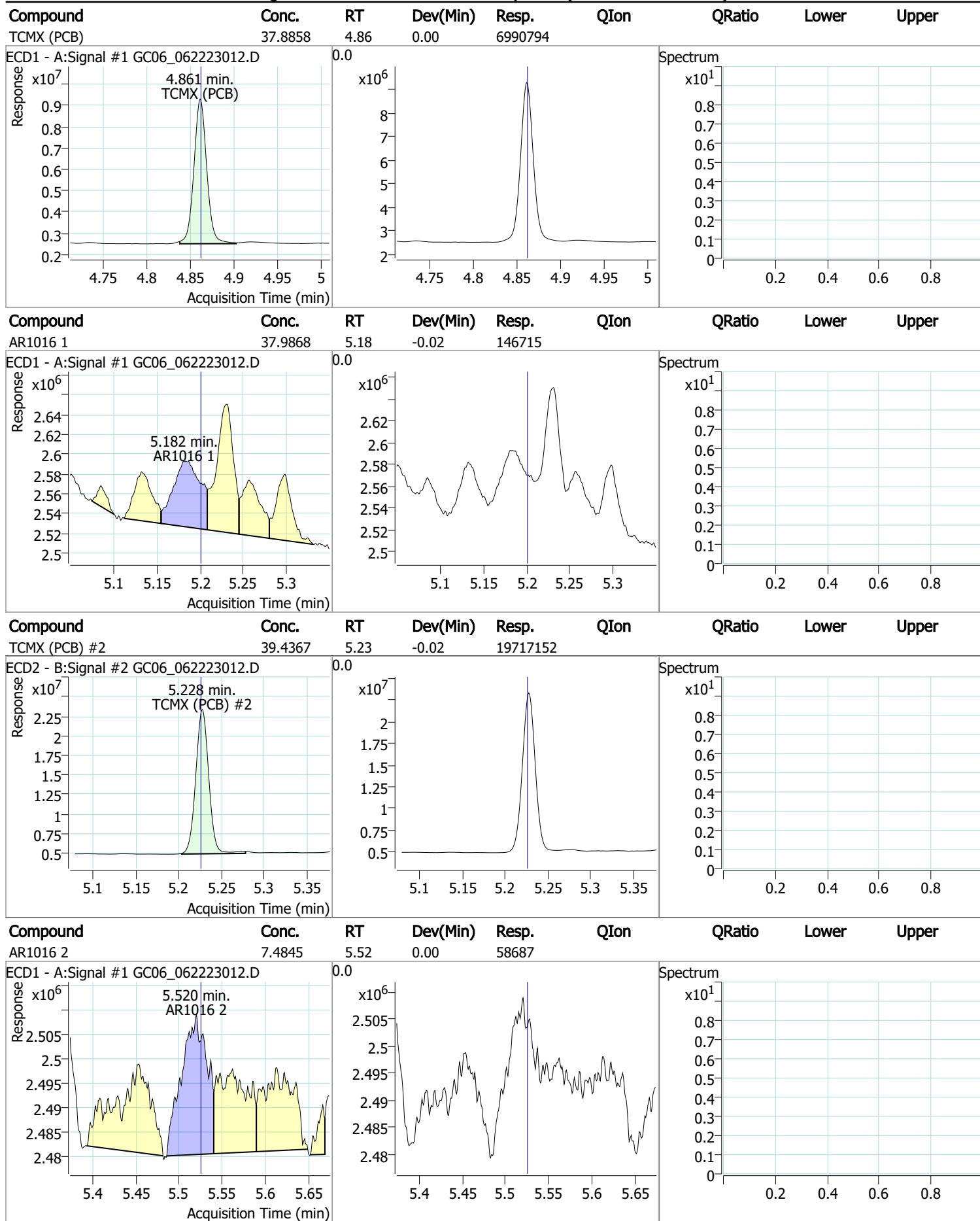
QValue

Quantitation Results Report (Not Reviewed)

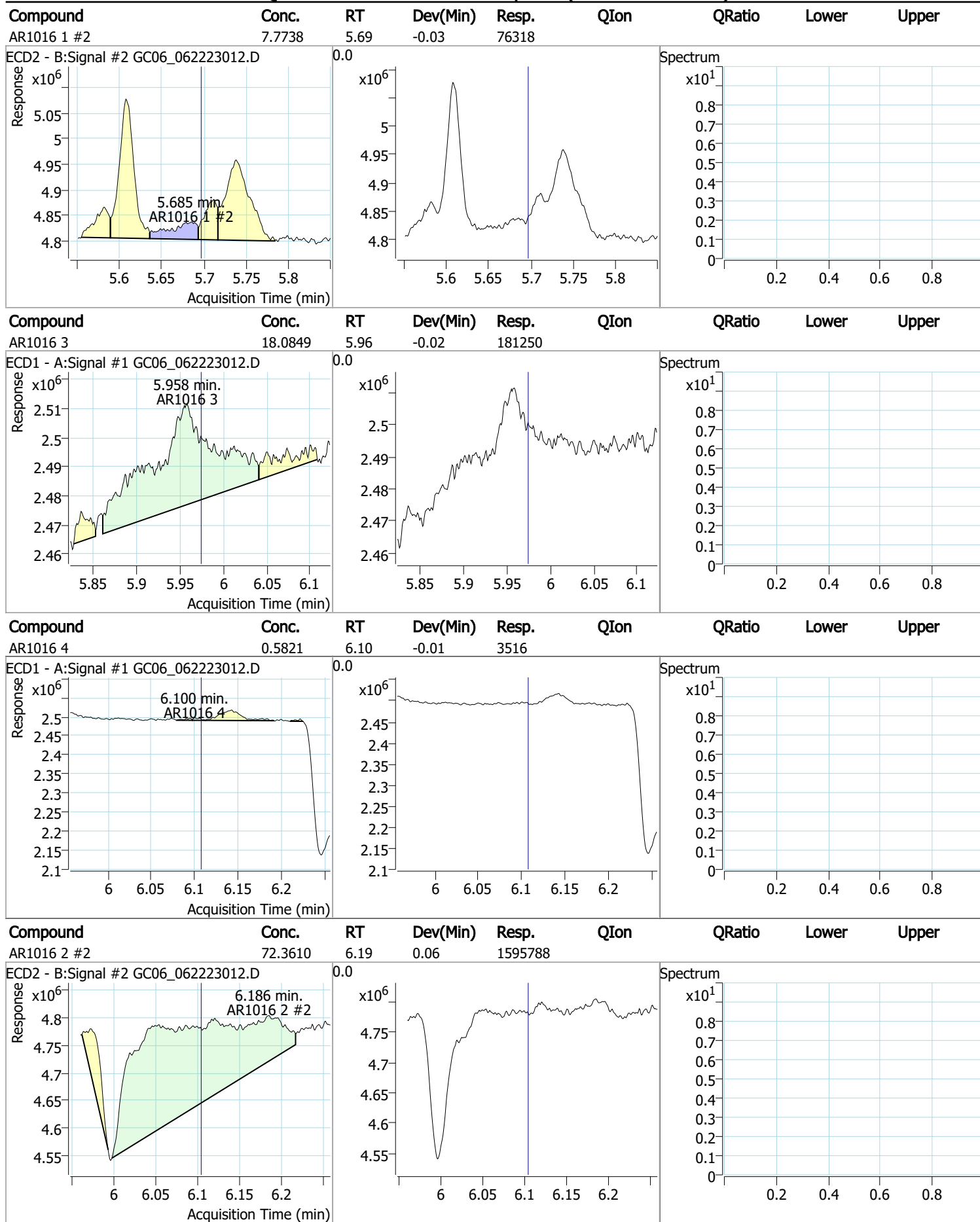
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.182	0.0	146714.940	37.9868	ng/ml	100
T AR1016 2	5.520	0.0	58687.103	7.4845	ng/ml	100
T AR1016 1 #2	5.685	0.0	76317.695	7.7738	ng/ml	100
T AR1016 3	5.958	0.0	181249.958	18.0849	ng/ml	100
T AR1016 4	6.100	0.0	3516.228	0.5821	ng/ml	100
T AR1016 2 #2	6.186	0.0	1595787.96 2	72.3610	ng/ml	100
T AR1016 5	6.374	0.0	2282474.81 4	494.0458	ng/ml	100
T AR1016 3 #2	6.618	0.0	3406007.58 9	128.3524	ng/ml	100
T AR1016 4 #2	6.833	0.0	162494.308	8.5078	ng/ml	100
T AR1016 5 #2	7.057	0.0	2530353.02 8	248.3686	ng/ml	100
T AR1260 1	8.185	0.0	1966323.36 6	171.7143	ng/ml	100
T AR1260 2	8.843	0.0	3101.272	0.1774	ng/ml	100
T AR1260 3	9.302	0.0	834917.825	44.6975	ng/ml	100
T AR1260 1 #2	9.575	0.0	1645114.23 2	61.8901	ng/ml	100
T AR1260 4	9.856	0.0	1116670.07 6	109.7273	ng/ml	100
T AR1260 2 #2	10.068	0.0	207738.163	6.9316	ng/ml	100
T AR1260 3 #2	10.341	0.0	347117.644	9.0507	ng/ml	100
T AR1260 5	10.634	0.0	828191.967	51.4682	ng/ml	100
T AR1260 4 #2	10.824	0.0	213312.258	9.5222	ng/ml	100
T AR1260 5 #2	11.483	0.0	162291.736	4.9982	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)

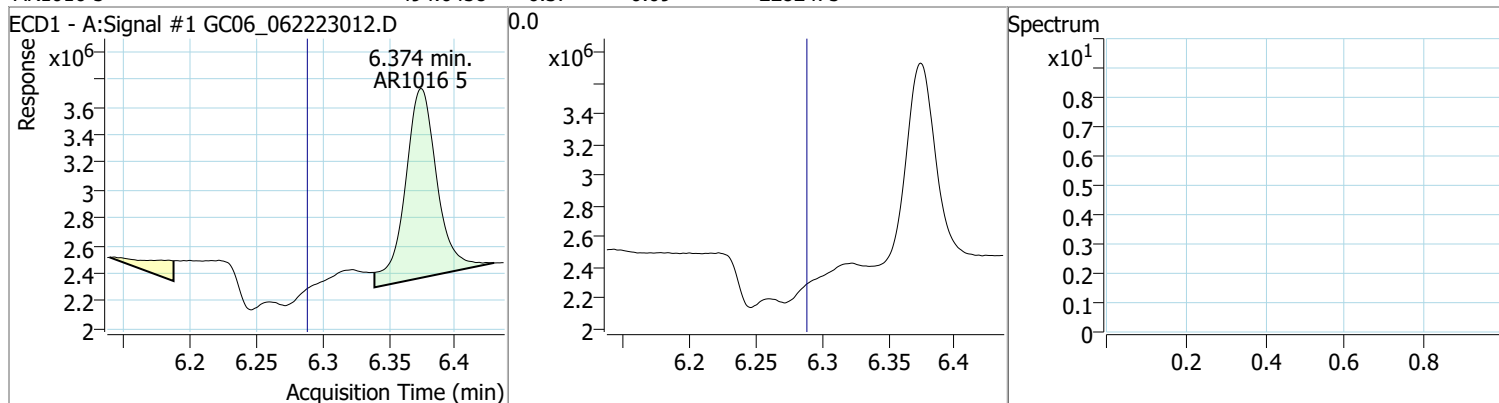


Quantitation Results Report (Not Reviewed)

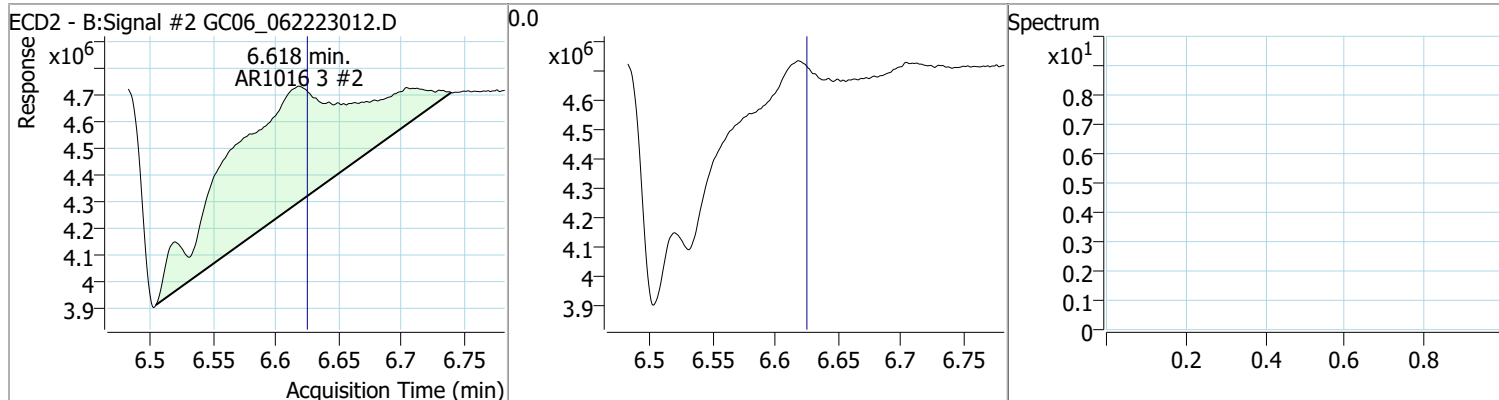


Quantitation Results Report (Not Reviewed)

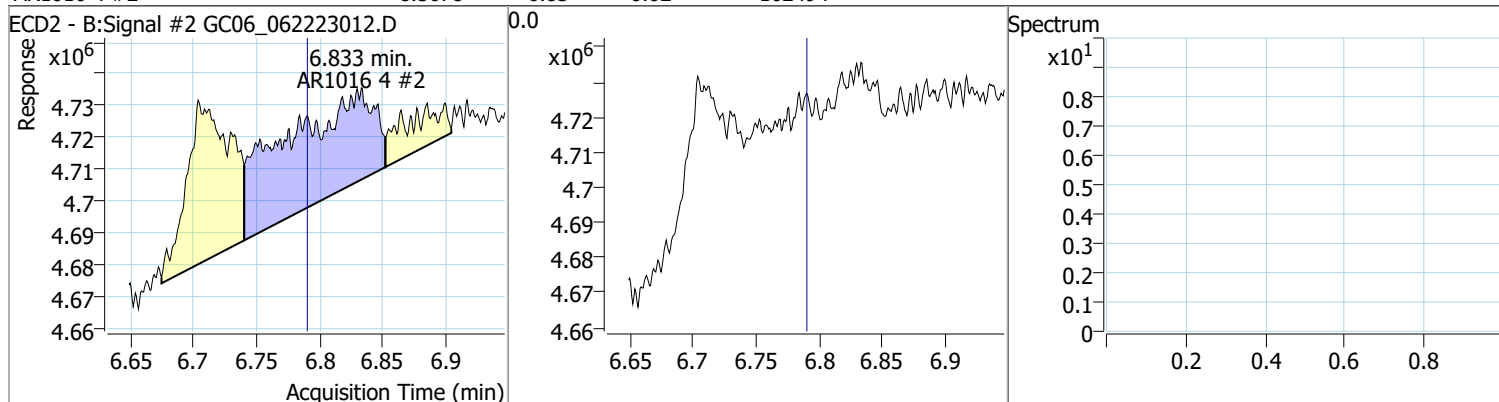
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	494.0458	6.37	0.09	2282475				



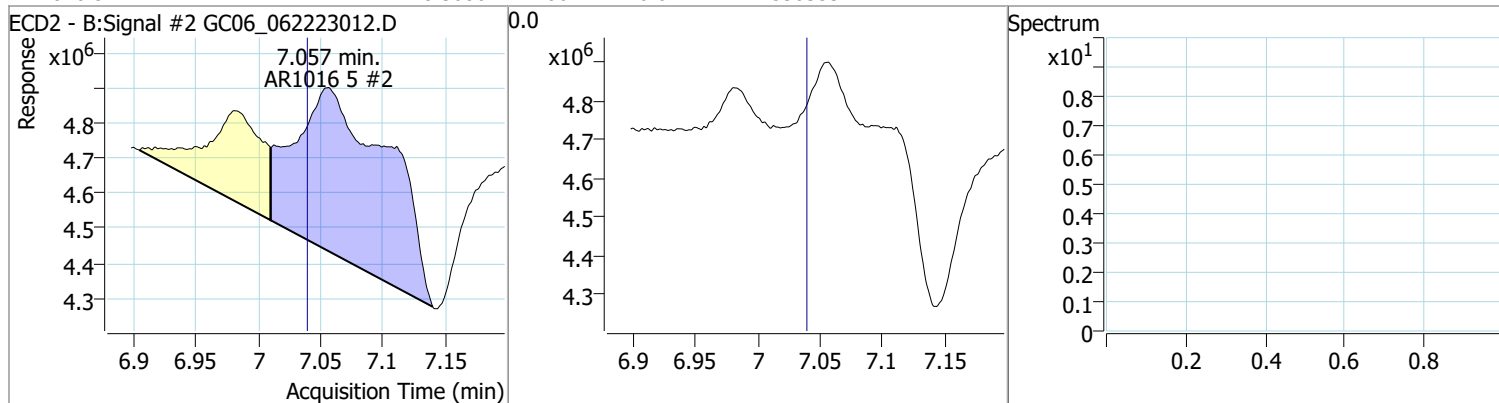
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	128.3524	6.62	-0.03	3406008				



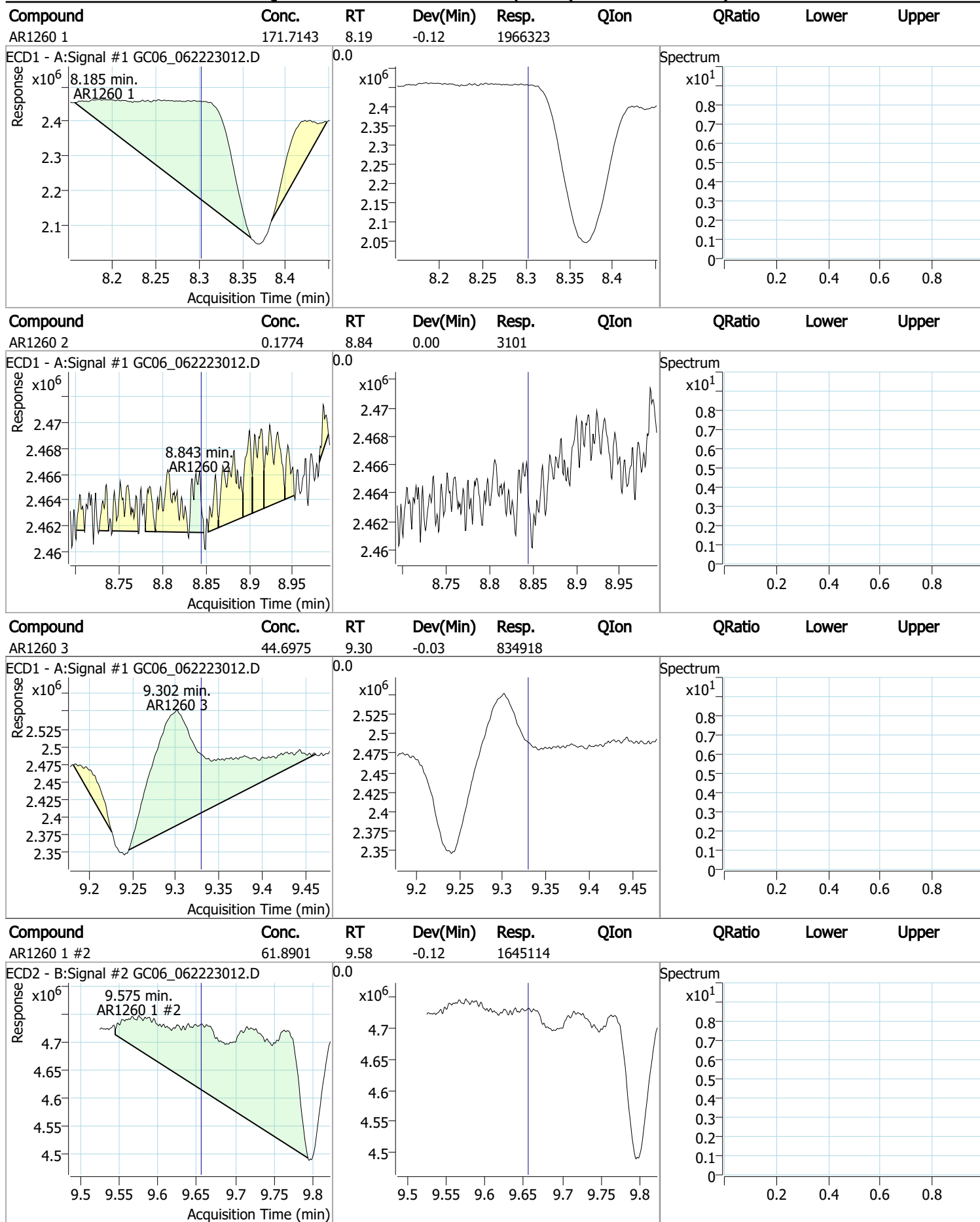
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.5078	6.83	0.02	162494				



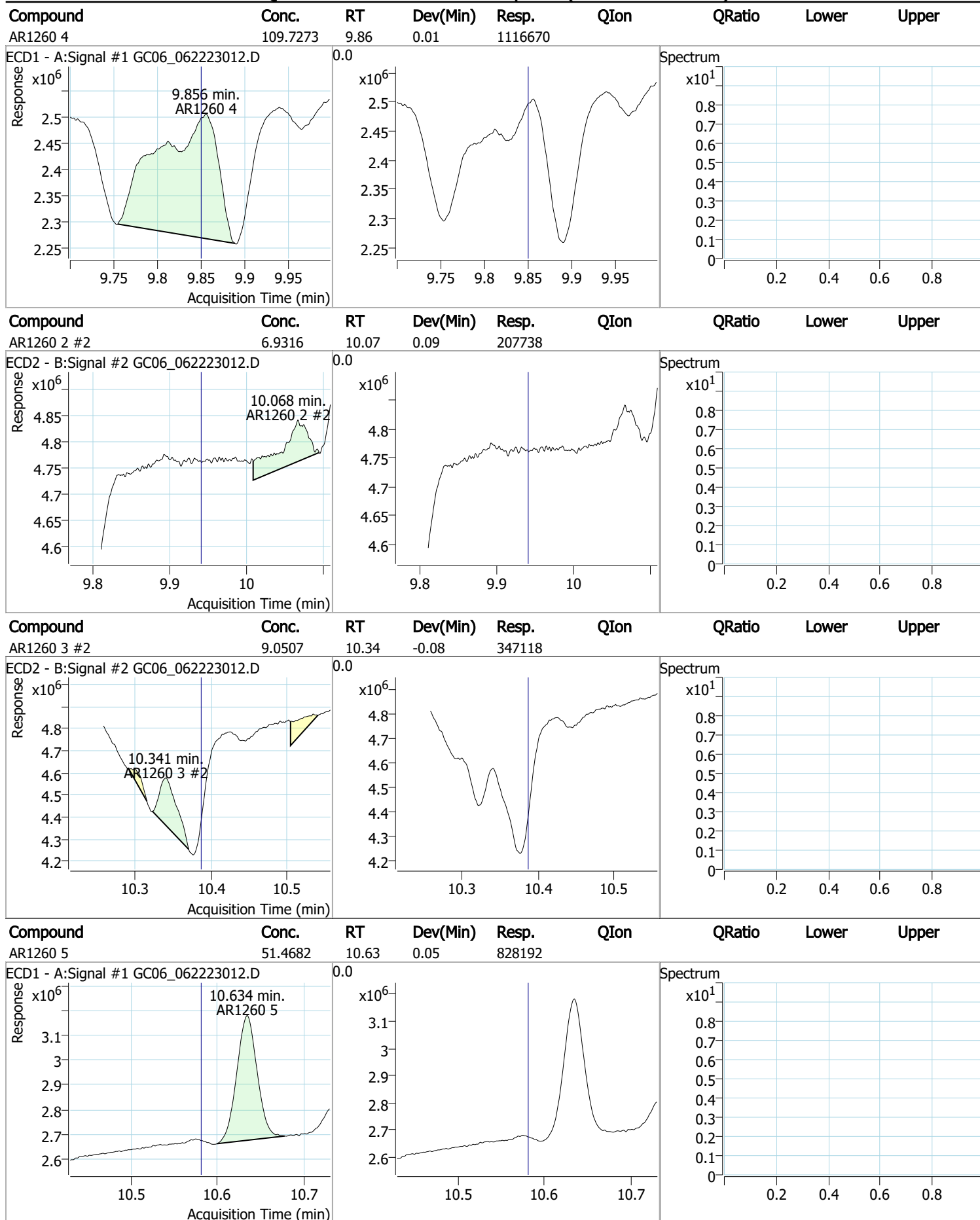
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	248.3686	7.06	-0.01	2530353				



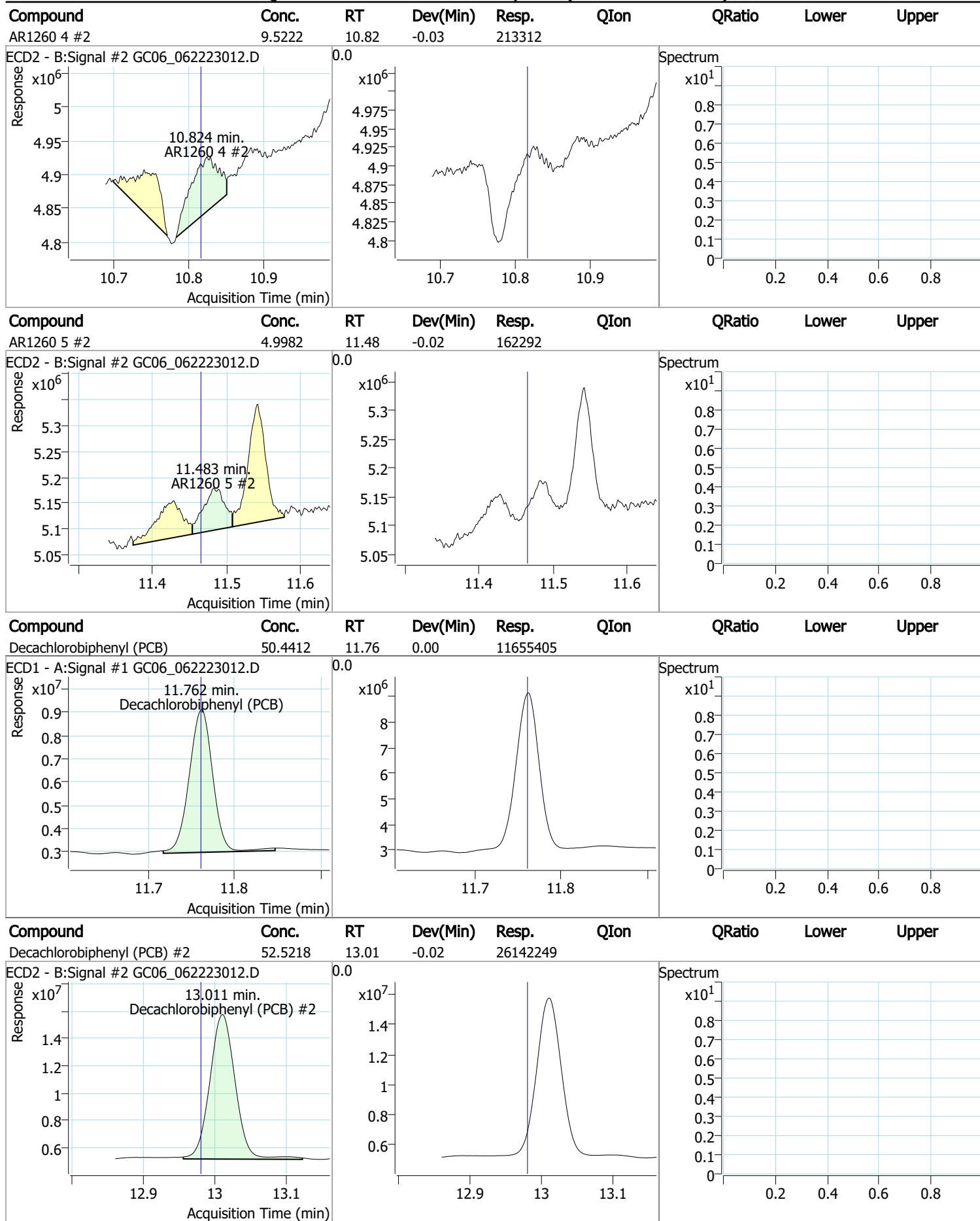
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY SPIKE USER REPORT FOR 487140 PCBS Wipe
EPA 8082

Type: BS	Type: BSD
Inst: SVOA-GC06	Inst: SVOA-GC06
Seqnum: 453249852013.3	Seqnum: 453249852014.3
File: gc06_062223013	File: gc06_062223014
IDF: 1.0	IDF: 1.0
Lab ID: QC1074813	Lab ID: QC1074814
Matrix: Wipe	Matrix: Wipe
Batch: 316643	Batch: 316643
Time: 22-JUN-2023 14:44	Time: 22-JUN-2023 15:02
Cal: 453205686001	Cal: 453205686001
Units: ug/dm2	

- BS: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇒ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	437.2	4.372	B	87	429.1	4.291	B	86	60-140	2	20	u
Aroclor-1016 Peak # 1		558.8	5.588	B		463.4	4.634	B					
Aroclor-1016 Peak # 2		374.7	3.747	B		384.6	3.846	B					
Aroclor-1016 Peak # 3		395.6	3.956	B		417.1	4.171	B					
Aroclor-1016 Peak # 4		392.8	3.928	B		404.9	4.049	B					
Aroclor-1016 Peak # 5		464.3	4.643	B		475.4	4.754	B					
Aroclor-1260	5.000	499.6	4.996	B	100	516.8	5.168	B	103	60-140	3	20	u
Aroclor-1260 Peak # 1		499.8	4.998	B		524.0	5.240	B					
Aroclor-1260 Peak # 2		548.0	5.480	B		539.9	5.399	B					
Aroclor-1260 Peak # 3		450.7	4.507	B		455.6	4.556	B					
Aroclor-1260 Peak # 4		490.9	4.909	B		550.8	5.508	B					
Aroclor-1260 Peak # 5		508.4	5.084	B		513.5	5.135	B					
Surrogates													
TCMX (PCB)	0.5000	36.68	0.3668	B	73	37.54	0.3754	B	75	19-121			u
Decachlorobiphenyl (PCB)	0.5000	49.23	0.4923	B	98	49.45	0.4945	B	99	19-121			u

ISTD (CCV gc06_062223004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9733594	5.24
1-bromo-2-nitrobenzene (PCB)	A	3197195	3441225	7.63

ISTD (CCV gc06_062223004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

ISTD (CCV gc06_062223004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9249233	9487432	2.58
1-bromo-2-nitrobenzene (PCB)	A	3197195	3455196	8.07

ISTD (CCV gc06_062223004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.33	4.32	-0.01
1-bromo-2-nitrobenzene (PCB)	A	4.09	4.09	0.00

06/23/23 : WIPE/1dm2-10ML [general version]

06/23/23 : WIPE/1dm2-10ML [general version]

U=use

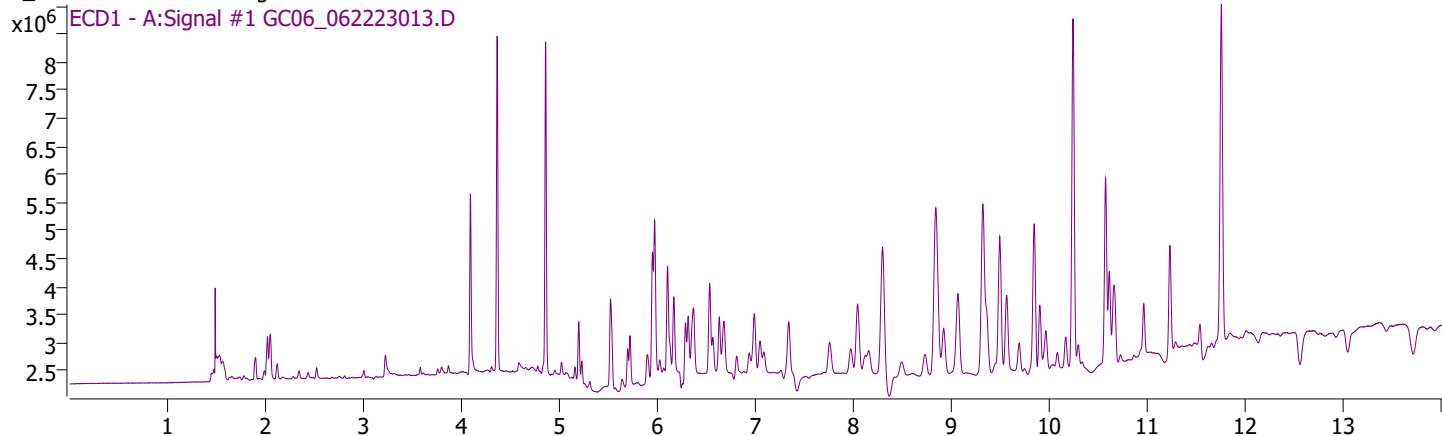
Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/27/23

Quantitation Results Report (Not Reviewed)

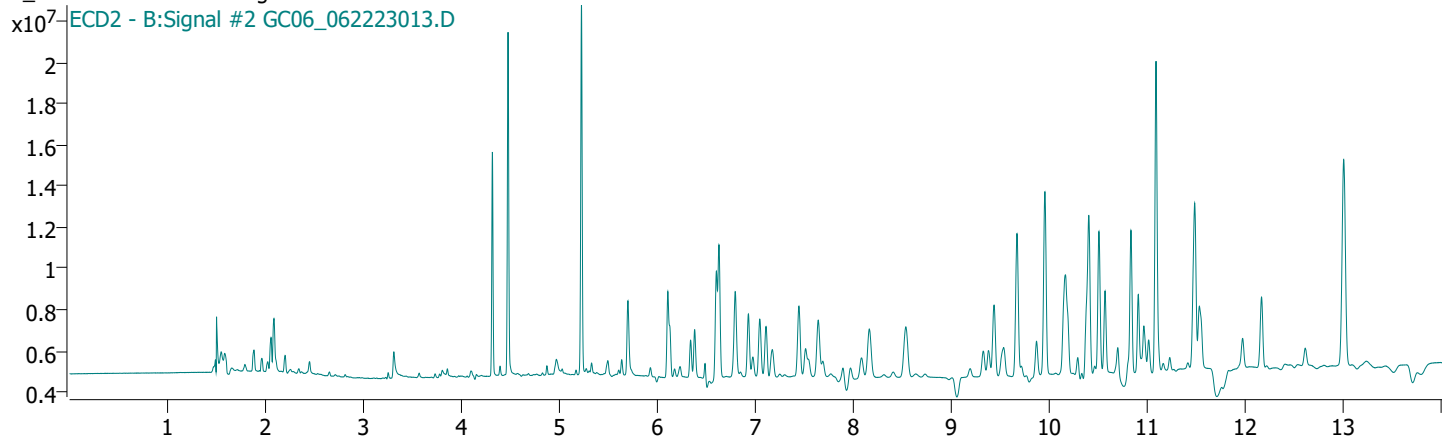
Data File GC06_062223013.D
 Acq. Method Acq_Pesticide_122221_2
 Sample Name QC10744813, 316643, 1
 Vial 2
 DA Method File PCB_608_060623_GC07_8.m
 Tune File ATUNE.U
 Batch Name 062223PCB.batch.bin
 Ref Library

Operator
 Acq. Date-Time 6/22/2023 2:44:16 PM
 Instrument SVOA-GC06
 Multiplier 1.00
 Comment WIPE/1dm2-10ML
 Tune Date
 Last Calib Update 5/23/2023 1:46:10 PM

GC06_062223013.D No MS Signals



GC06_062223013.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	3441224.658	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9733593.555	20.0000	ng/ml	-0.017
System Monitoring Compounds						
S TCMX (PCB)	4.862	0.0	5996254.270	32.6997	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.50%	*	
S TCMX (PCB) #2	5.228	0.0	18939005.149	36.6806	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.40%	*	
S Decachlorobiphenyl (PCB)	11.761	0.0	11178103.970	48.6788	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.39%	*	
S Decachlorobiphenyl (PCB) #2	13.010	0.0	25307328.272	49.2341	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 246.17%	*	

Target Compounds

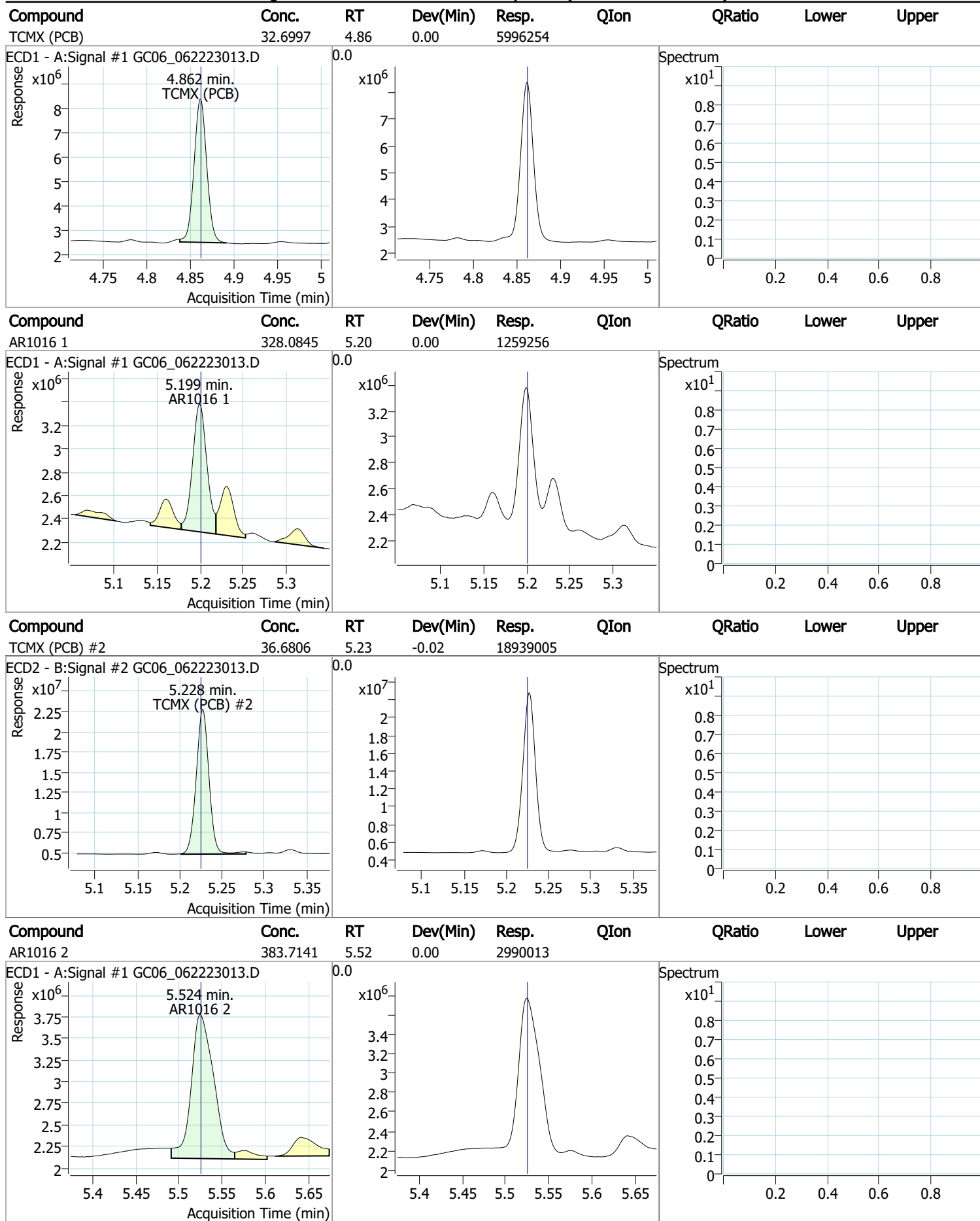
QValue

Quantitation Results Report (Not Reviewed)

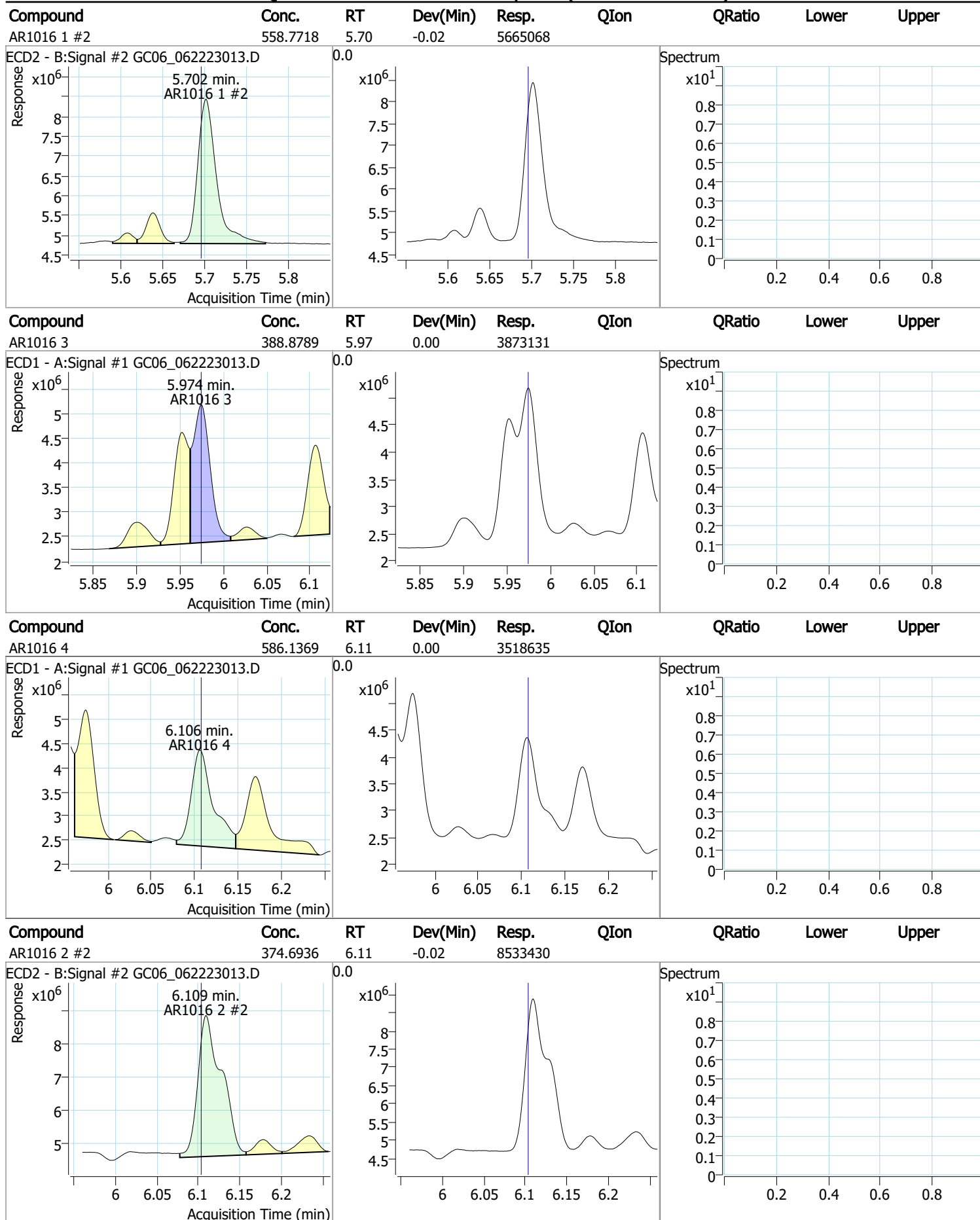
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.199	0.0	1259256.22 7	328.0845	ng/ml	100
T AR1016 2	5.524	0.0	2990012.75 6	383.7141	ng/ml	100
T AR1016 1 #2	5.702	0.0	5665068.43 3	558.7718	ng/ml	100
T AR1016 3	5.974	0.0	3873130.55 8	388.8789	ng/ml	100
T AR1016 4	6.106	0.0	3518635.34 9	586.1369	ng/ml	100
T AR1016 2 #2	6.109	0.0	8533429.66 3	374.6936	ng/ml	100
T AR1016 5	6.289	0.0	1396276.99 5	304.1209	ng/ml	100
T AR1016 3 #2	6.631	0.0	10840489.0 42	395.5765	ng/ml	100
T AR1016 4 #2	6.797	0.0	7746790.50 0	392.7588	ng/ml	100
T AR1016 5 #2	7.048	0.0	4885196.56 9	464.3235	ng/ml	100
T AR1260 1	8.302	0.0	6764601.26 4	594.4391	ng/ml	100
T AR1260 2	8.845	0.0	8666213.59 8	498.8490	ng/ml	100
T AR1260 3	9.325	0.0	8410021.09 4	453.0543	ng/ml	100
T AR1260 1 #2	9.674	0.0	13719677.6 91	499.7953	ng/ml	100
T AR1260 4	9.850	0.0	5094599.94 4	503.7480	ng/ml	100
T AR1260 2 #2	9.959	0.0	16960381.8 57	547.9909	ng/ml	100
T AR1260 3 #2	10.407	0.0	17851658.9 93	450.7222	ng/ml	100
T AR1260 5	10.578	0.0	5667553.17 7	354.4191	ng/ml	100
T AR1260 4 #2	10.838	0.0	11355825.8 20	490.8688	ng/ml	100
T AR1260 5 #2	11.488	0.0	17048255.0 71	508.4203	ng/ml	100

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

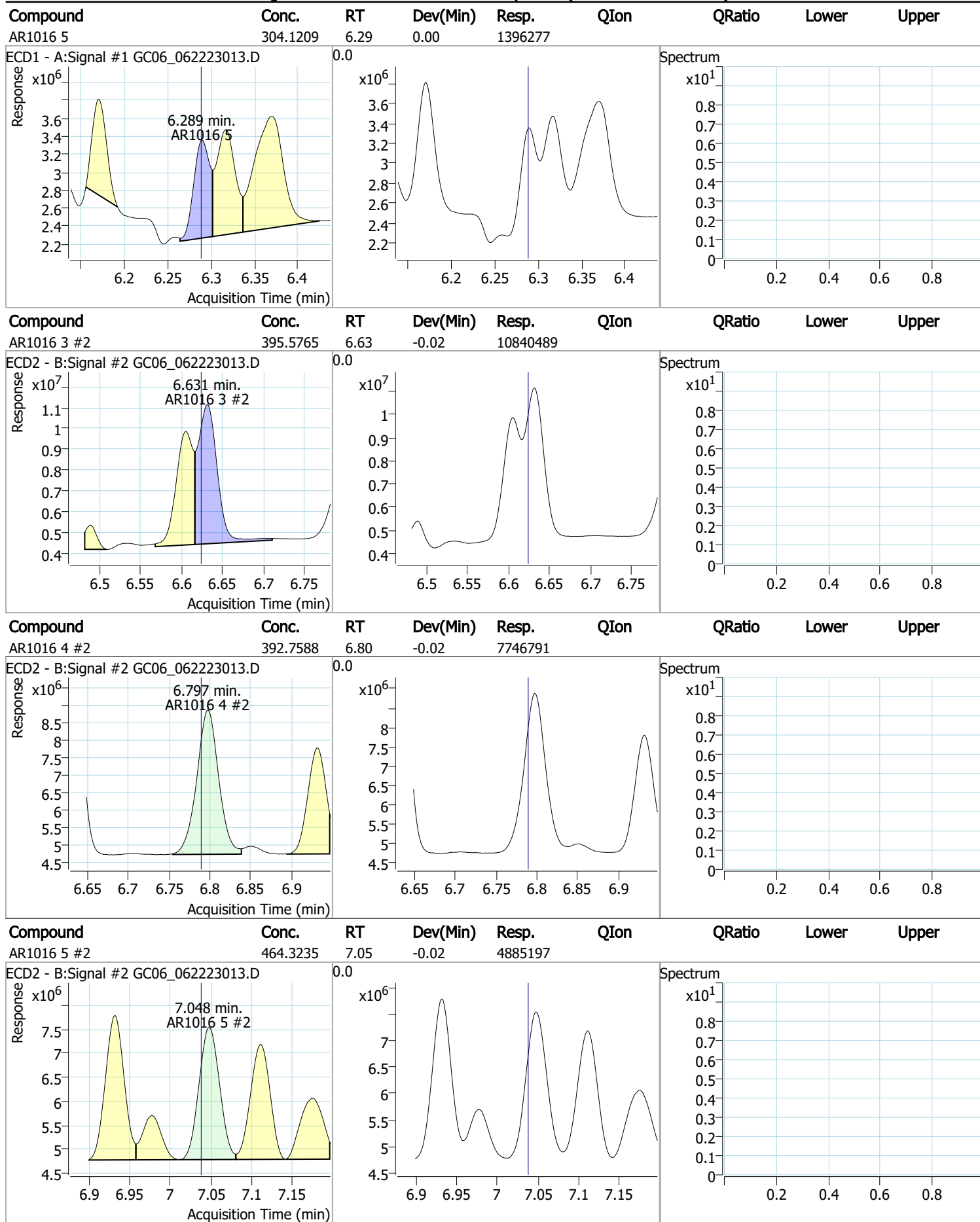
Quantitation Results Report (Not Reviewed)



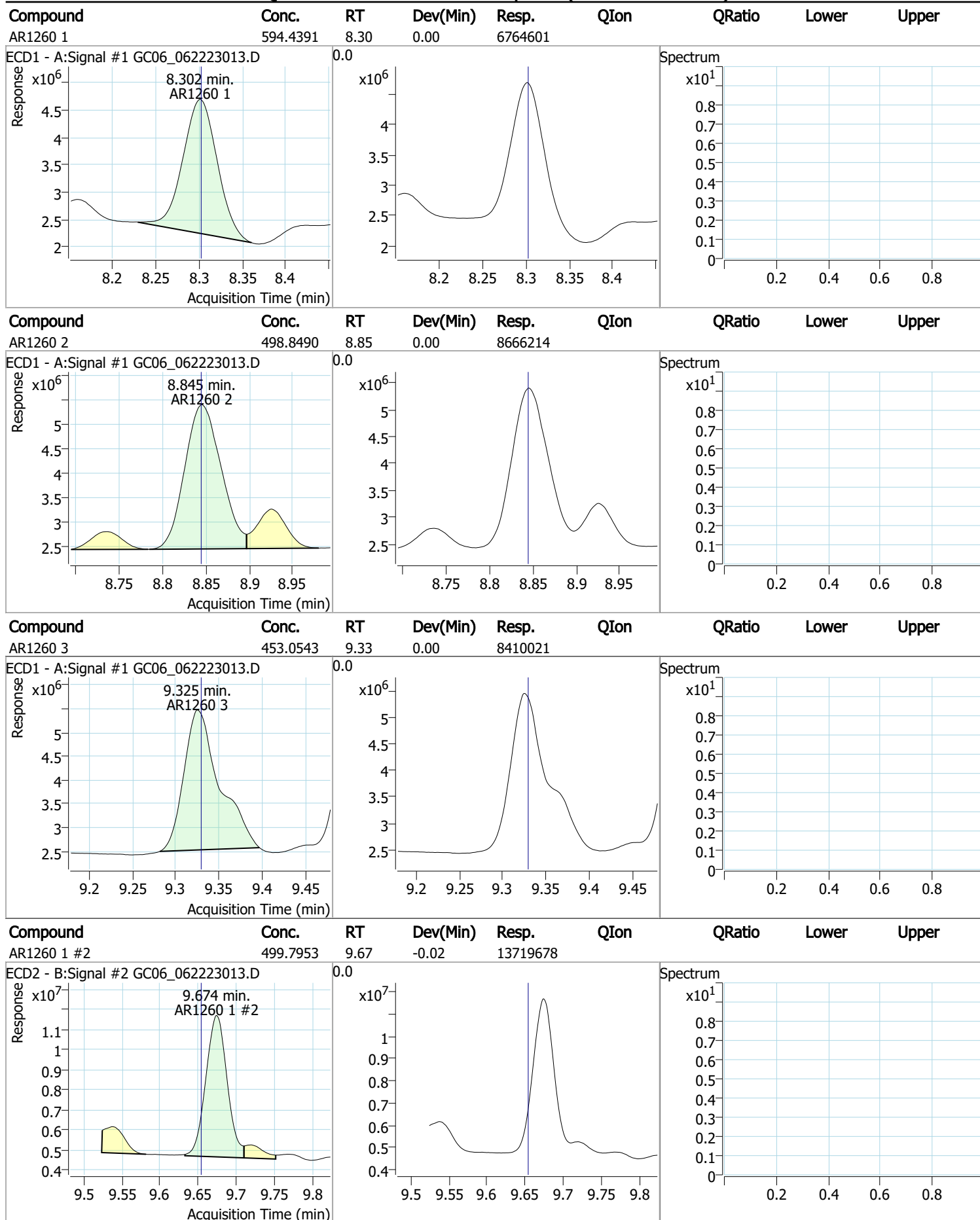
Quantitation Results Report (Not Reviewed)



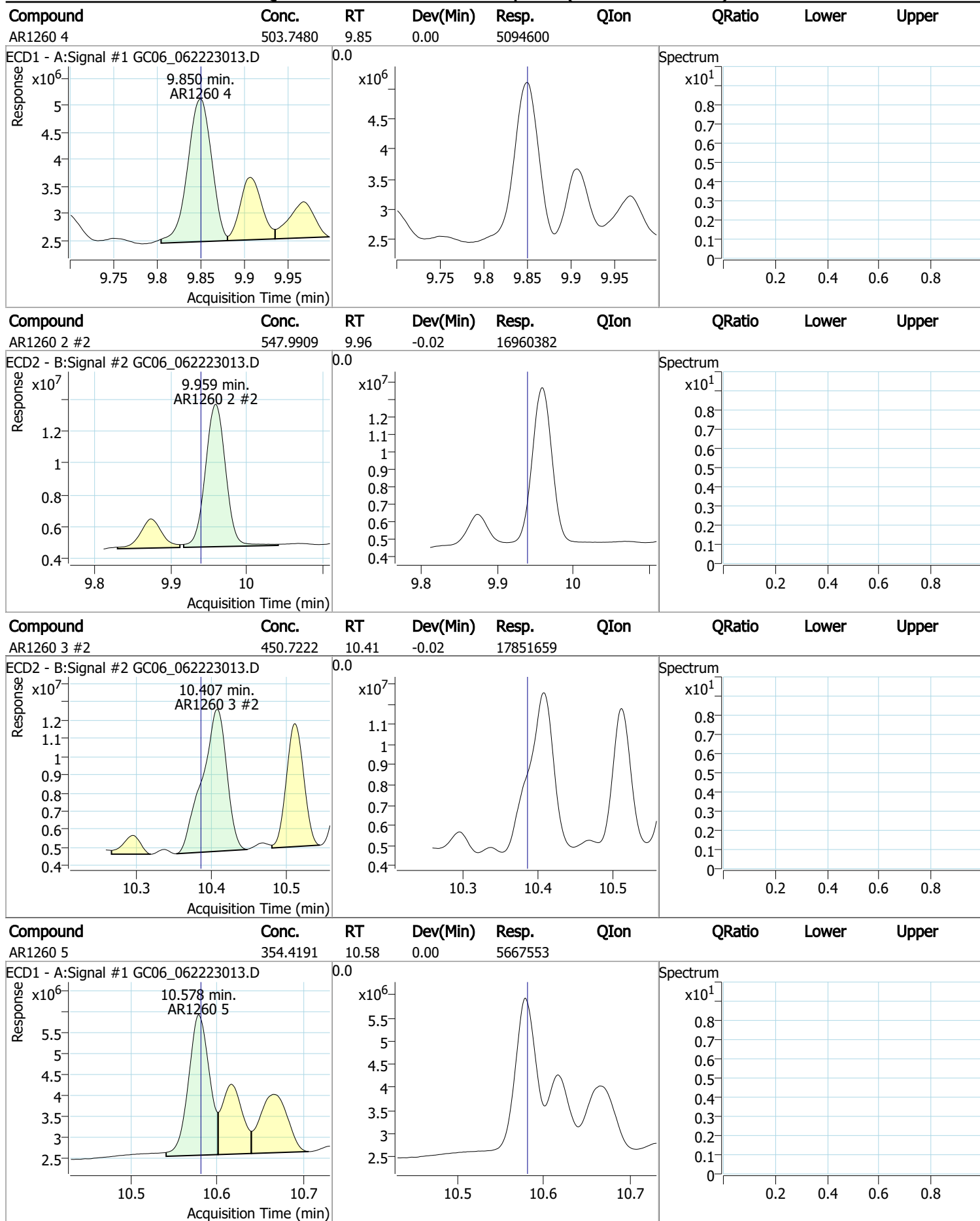
Quantitation Results Report (Not Reviewed)



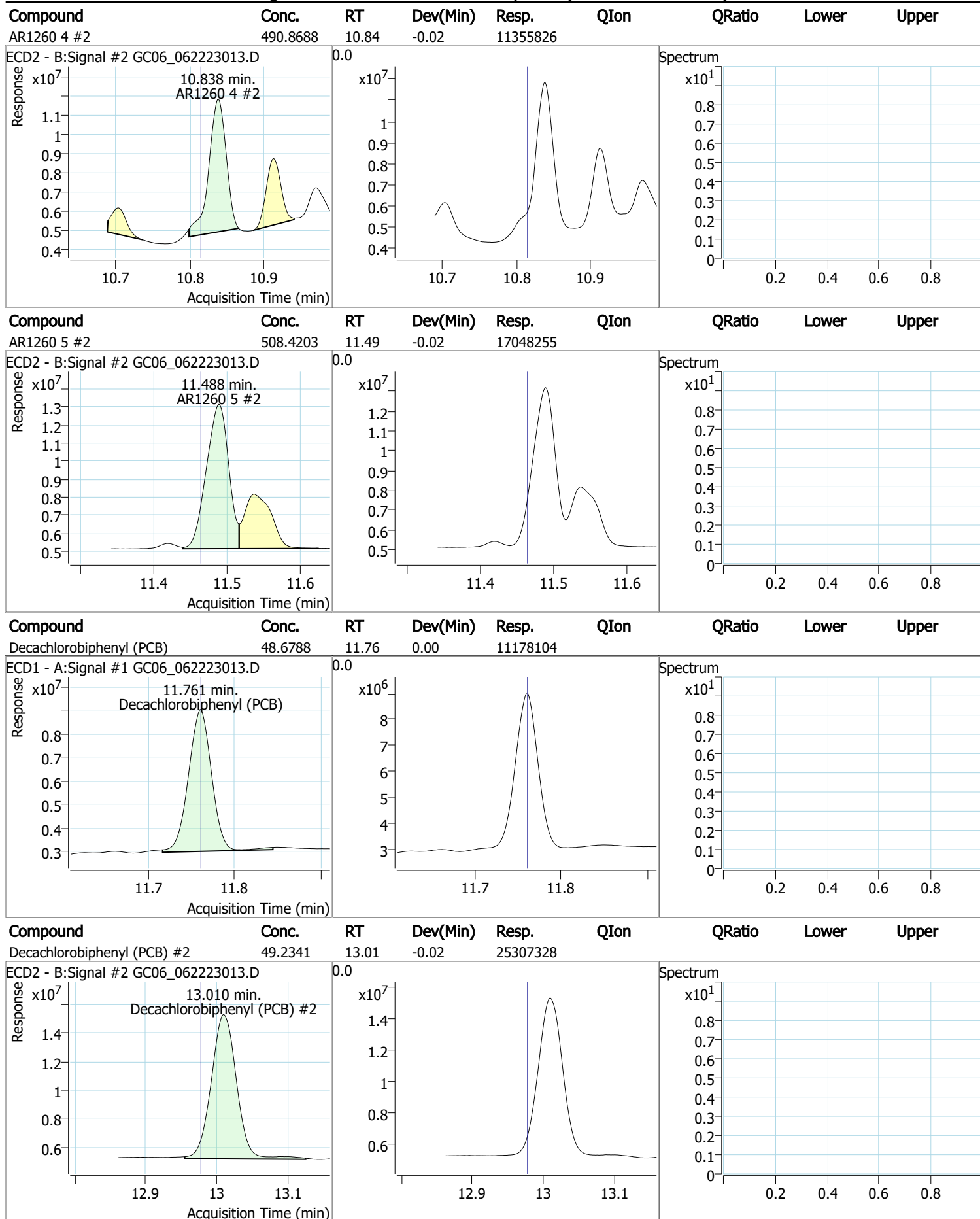
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



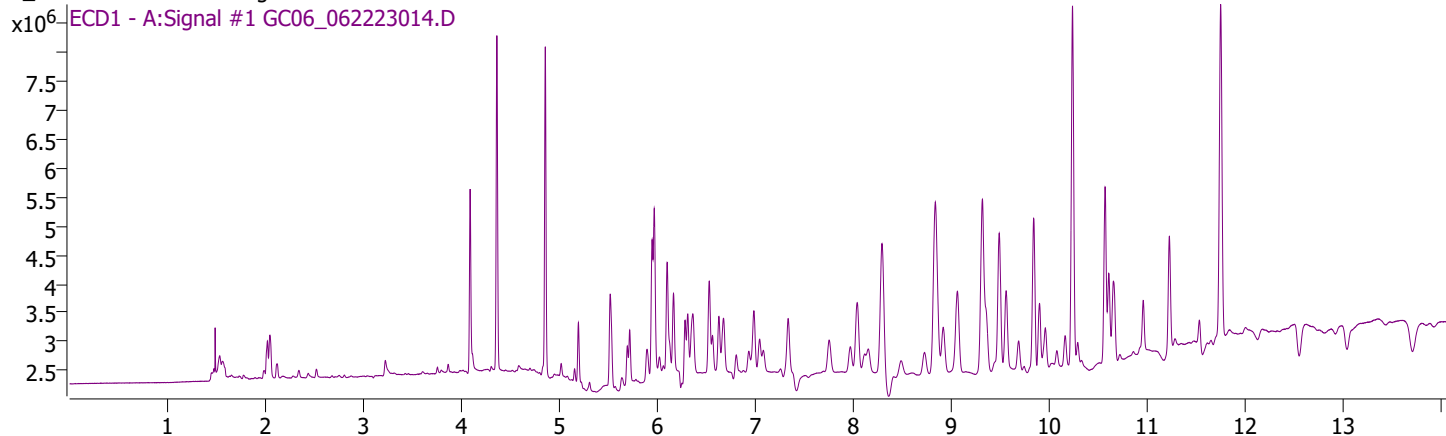
Quantitation Results Report (Not Reviewed)



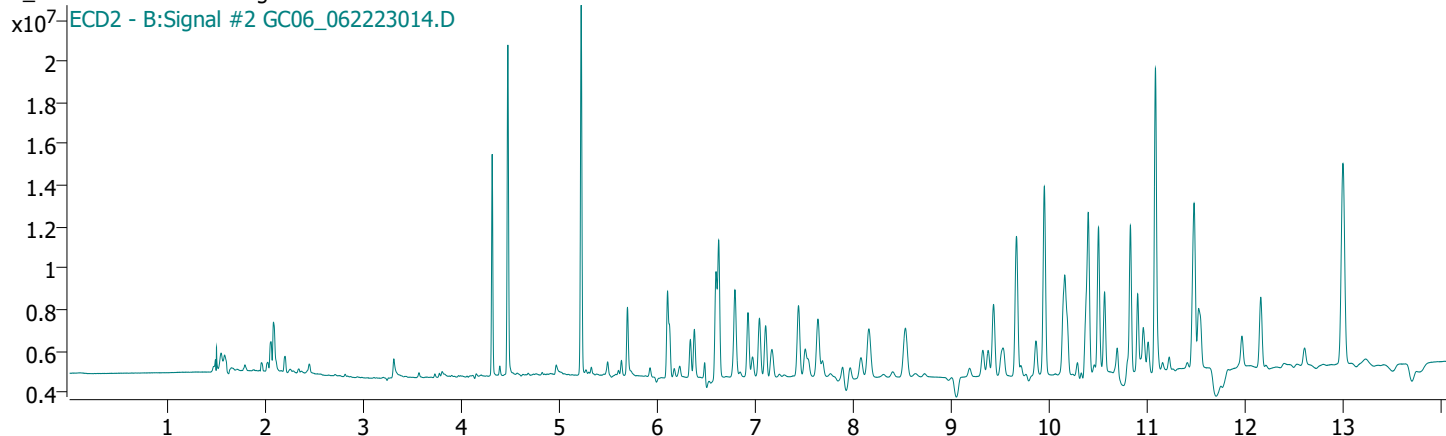
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223014.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 3:02:32 PM
Sample Name	QC10744814, 316643, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	WIPE/1dm2-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223014.D No MS Signals



GC06_062223014.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	3455196.28 7	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.318	0.0	9487432.26 1	20.0000	ng/ml	-0.017
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	5775611.98 7	31.3691	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.85%	*	
S TCMX (PCB) #2	5.227	0.0	18894274.2 49	37.5435	ng/ml	-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.72%	*	
S Decachlorobiphenyl (PCB)	11.759	0.0	11231948.9 69	48.7155	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.58%	*	
S Decachlorobiphenyl (PCB) #2	13.009	0.0	24775635.1 71	49.4503	ng/ml	-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 247.25%	*	

Target Compounds

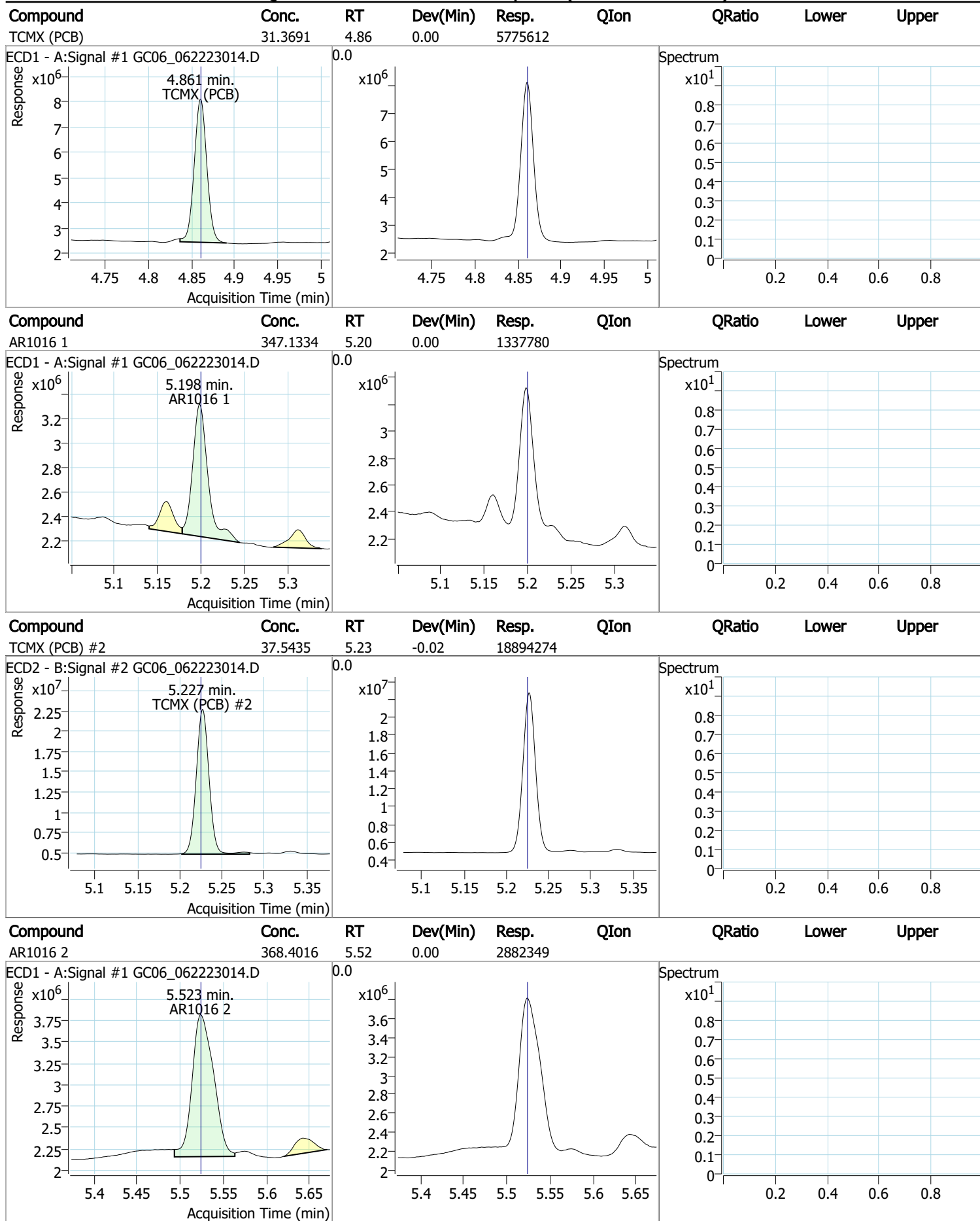
QValue

Quantitation Results Report (Not Reviewed)

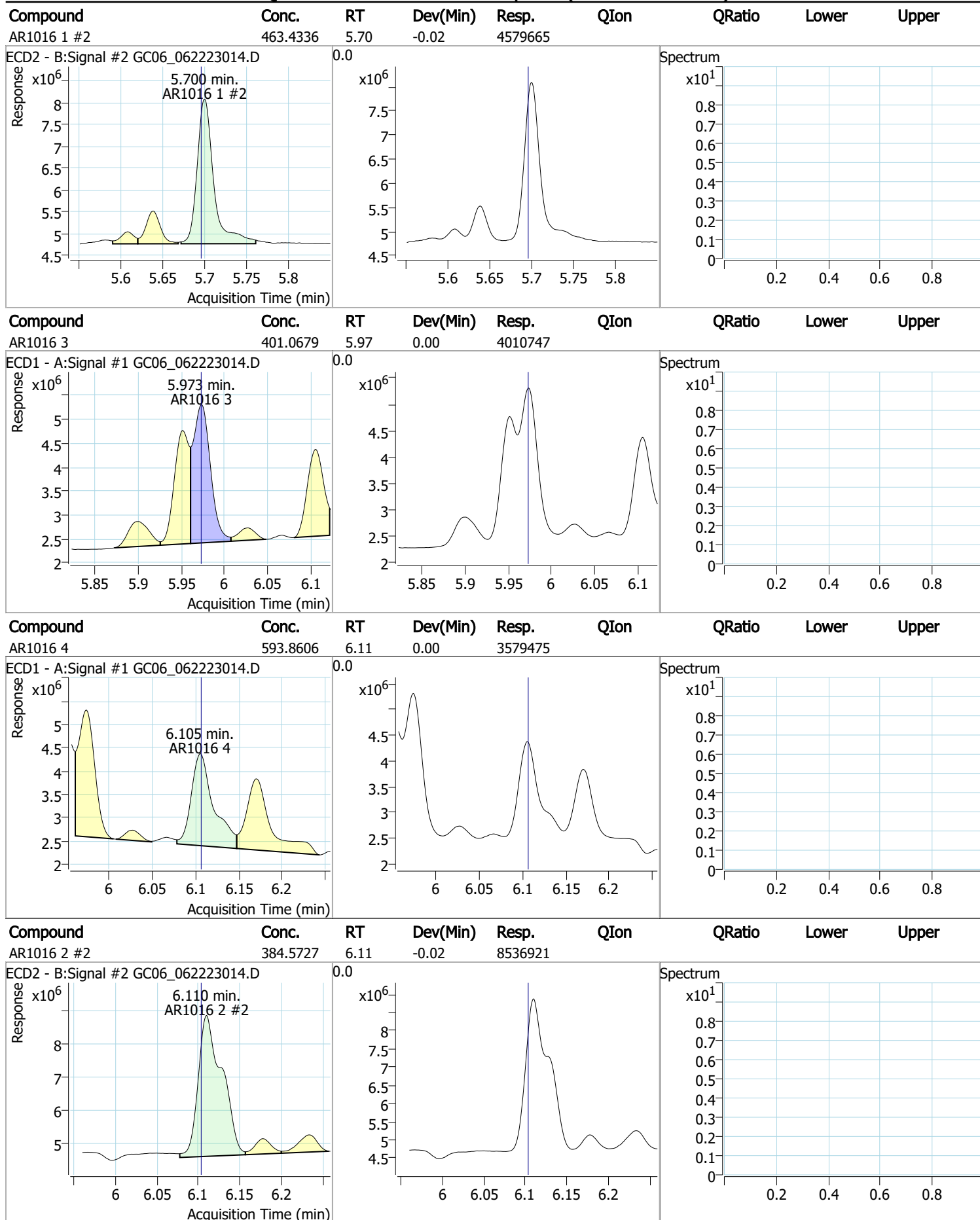
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.198	0.0	1337779.59 2	347.1334	ng/ml	100
T AR1016 2	5.523	0.0	2882348.71 1	368.4016	ng/ml	100
T AR1016 1 #2	5.700	0.0	4579665.36 8	463.4336	ng/ml	100
T AR1016 3	5.973	0.0	4010747.28 2	401.0679	ng/ml	100
T AR1016 4	6.105	0.0	3579475.49 2	593.8606	ng/ml	100
T AR1016 2 #2	6.110	0.0	8536920.53 1	384.5727	ng/ml	100
T AR1016 5	6.288	0.0	1420494.64 9	308.1447	ng/ml	100
T AR1016 3 #2	6.632	0.0	11140779.6 67	417.0823	ng/ml	100
T AR1016 4 #2	6.798	0.0	7784911.59 3	404.9322	ng/ml	100
T AR1016 5 #2	7.048	0.0	4875262.16 3	475.4021	ng/ml	100
T AR1260 1	8.300	0.0	6762670.96 7	591.8665	ng/ml	100
T AR1260 2	8.845	0.0	8663672.80 5	496.6862	ng/ml	100
T AR1260 3	9.326	0.0	9377459.05 0	503.1282	ng/ml	100
T AR1260 1 #2	9.674	0.0	14021571.2 77	524.0460	ng/ml	100
T AR1260 4	9.850	0.0	4870911.95 3	479.6825	ng/ml	100
T AR1260 2 #2	9.958	0.0	16287376.6 56	539.9001	ng/ml	100
T AR1260 3 #2	10.407	0.0	17589815.1 52	455.6341	ng/ml	100
T AR1260 5	10.579	0.0	5120612.89 6	318.9215	ng/ml	100
T AR1260 4 #2	10.838	0.0	12420603.0 82	550.8254	ng/ml	100
T AR1260 5 #2	11.488	0.0	16783942.2 42	513.5248	ng/ml	100

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

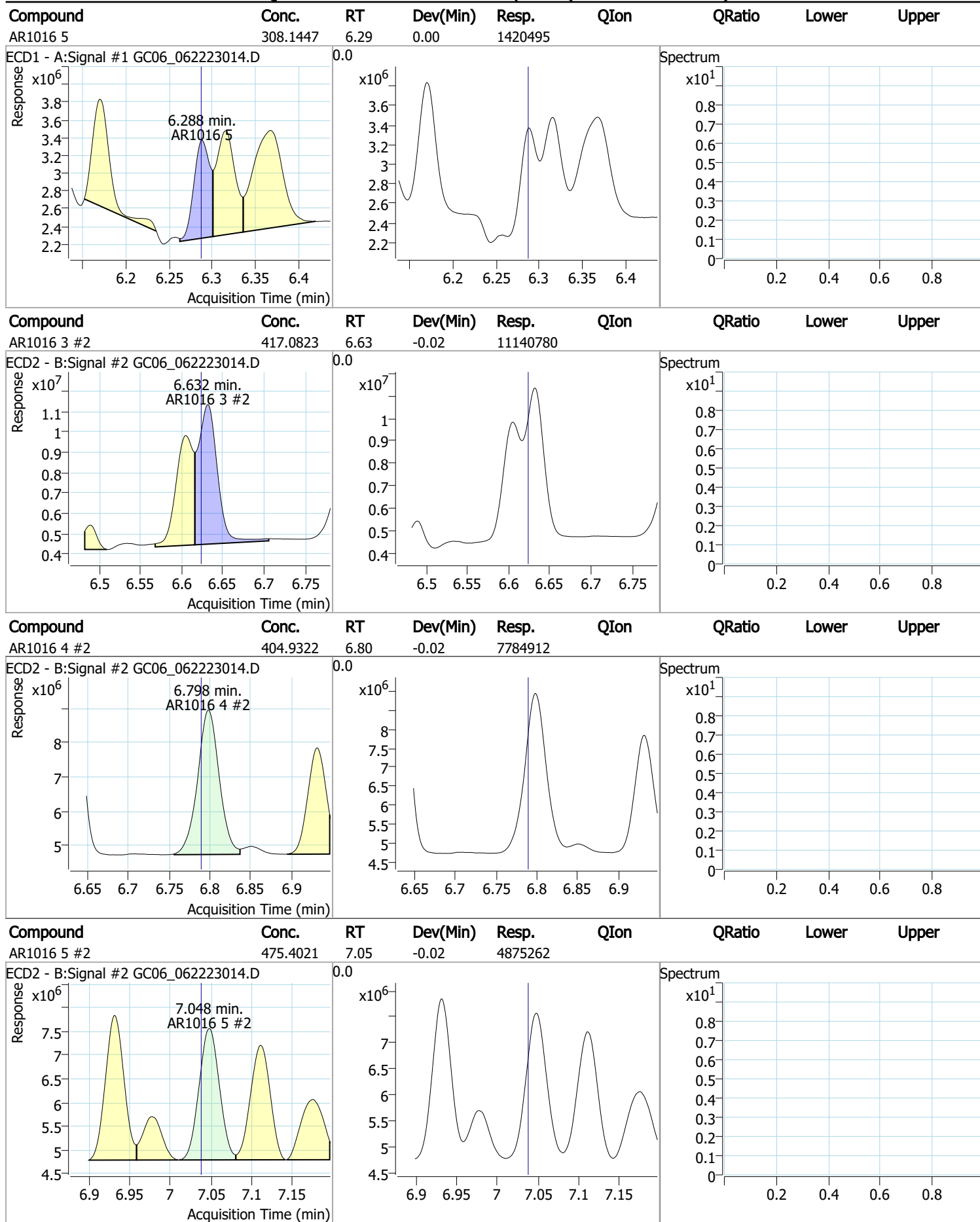
Quantitation Results Report (Not Reviewed)



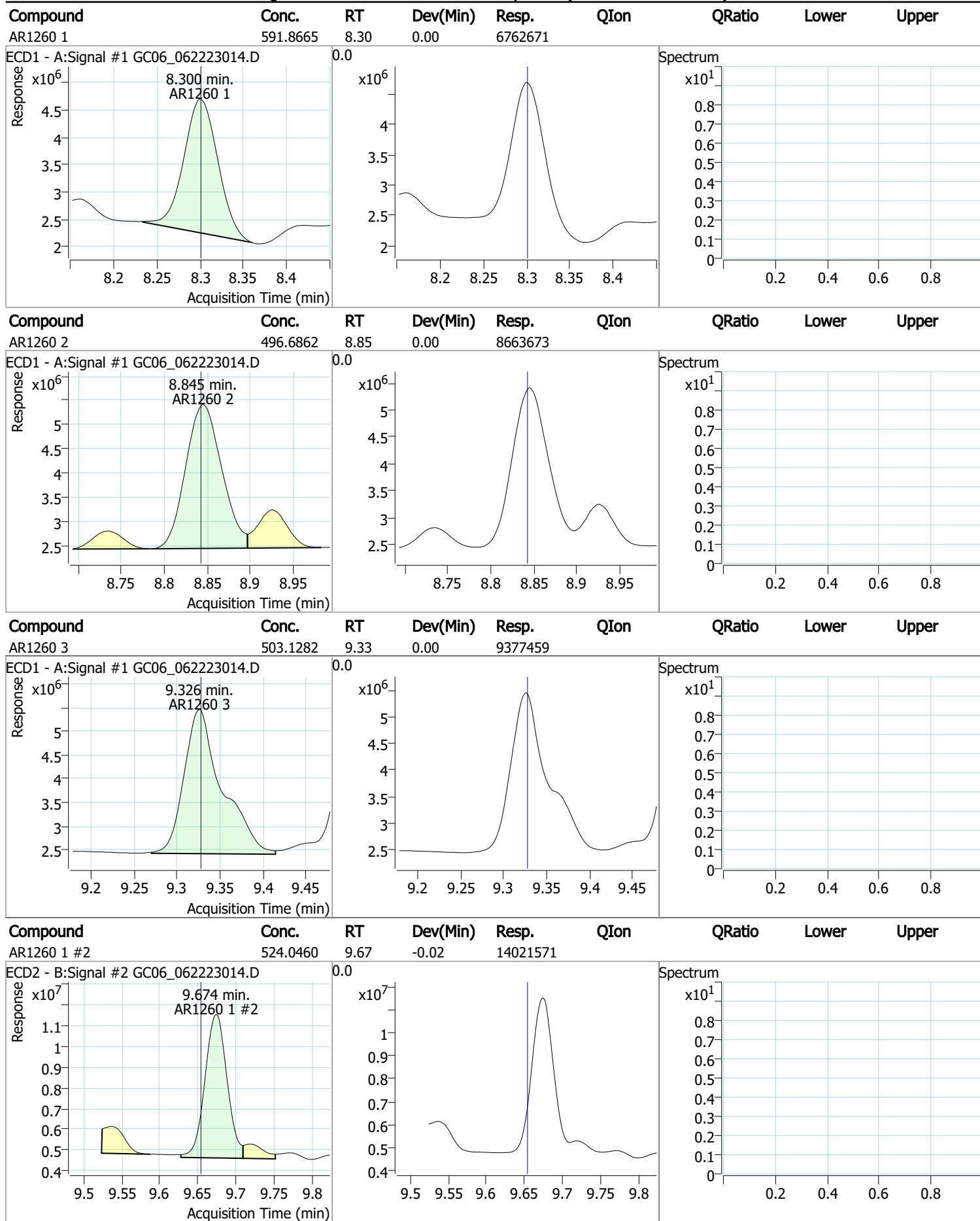
Quantitation Results Report (Not Reviewed)



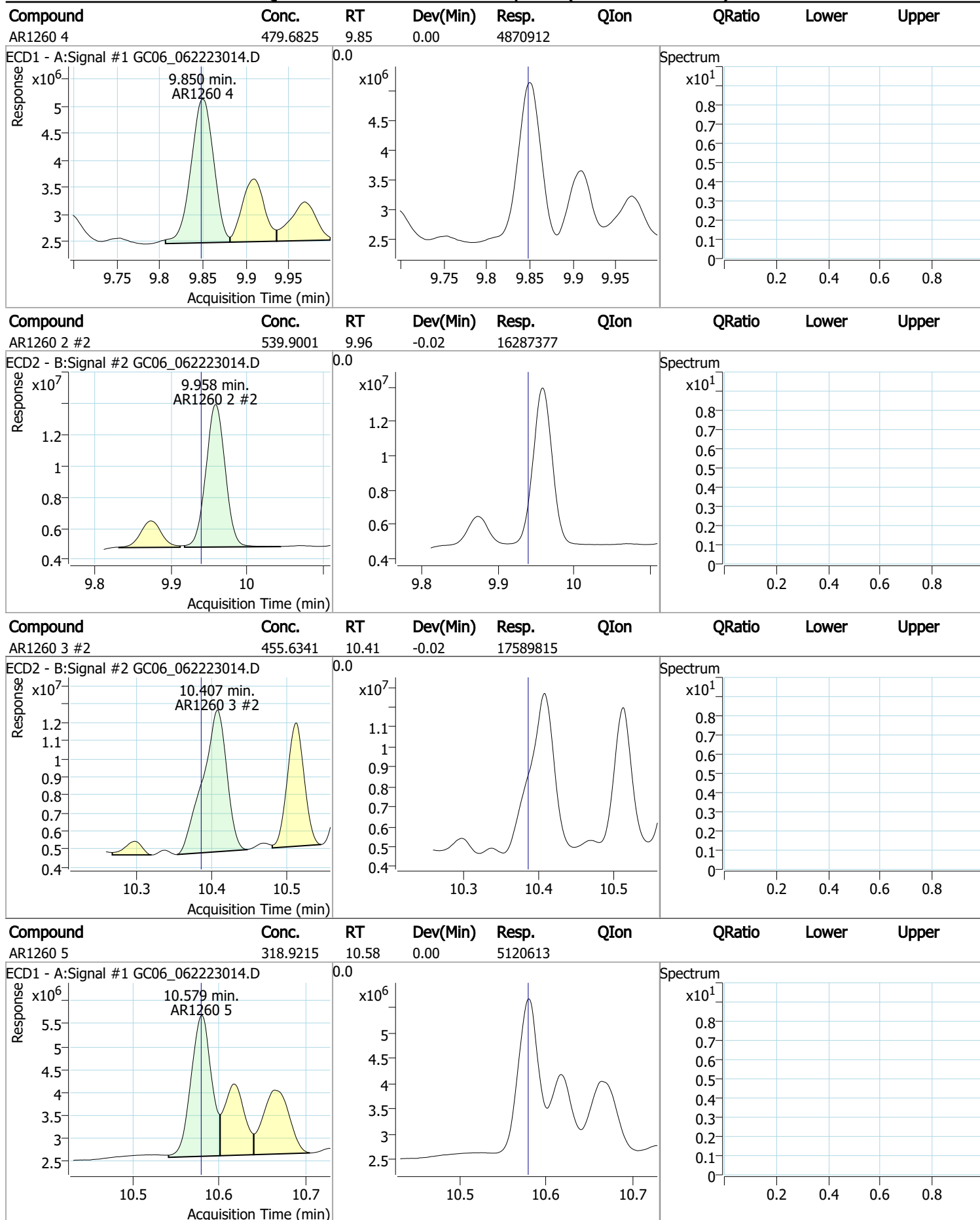
Quantitation Results Report (Not Reviewed)



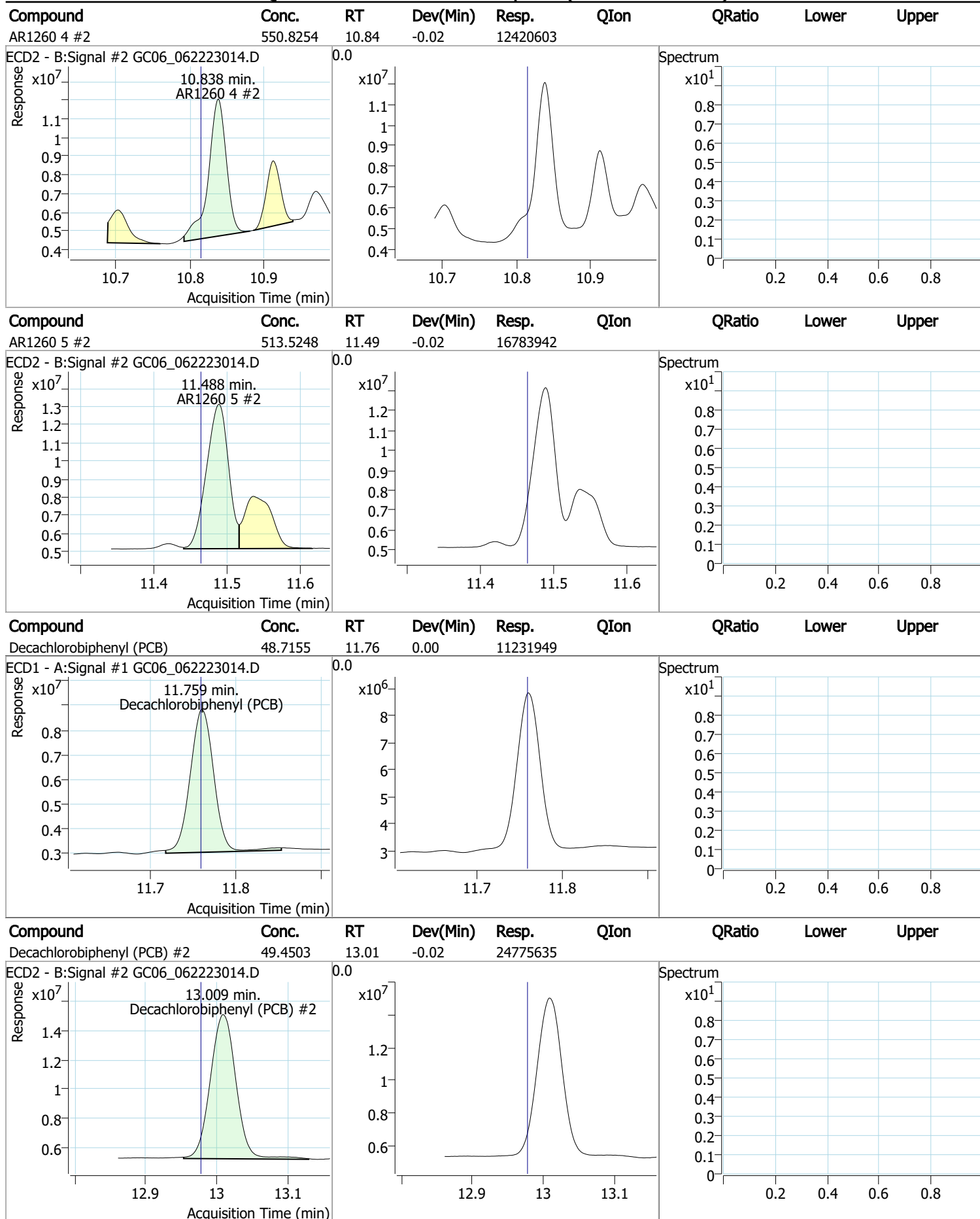
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Initial Calibration Raw Data

Instrument: SVOA-GC06
Calibration #: 453205686001
Units: ug/L

Name: PCB_052223_1
Date: 22-MAY-2023 20:06
X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_052223020	453205686020		22-MAY-2023 20:06	S18179
L2	gc06_052223021	453205686021		22-MAY-2023 20:24	S18180
L3	gc06_052223022	453205686022		22-MAY-2023 20:43	S18181
L4	gc06_052223023	453205686023		22-MAY-2023 21:01	S18182
L5	gc06_052223024	453205686024		22-MAY-2023 21:19	S18183
L6	gc06_052223025	453205686025		22-MAY-2023 21:38	S18184
L7	gc06_052223026	453205686026		22-MAY-2023 21:56	S18185
L8	gc06_052223027	453205686027		22-MAY-2023 22:14	S18186
L9	gc06_052223028	453205686028		22-MAY-2023 22:33	S18187
L10	gc06_052223029	453205686029		22-MAY-2023 22:51	S18188

Instrument: SVOA-GC06
 Calibration #: 453205686001
 Units: ug/L

Name: PCB_052223_1
 Date: 22-MAY-2023 20:06
 X Axis: R

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r ²	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG	44.8280			0.0223	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG	22.0807			0.0453	14	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG	17.2755			0.0579	15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG	28.6617			0.0349	13	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG	37.4758			0.0267	15	8	.99	20	
Aroclor-1260 Peak # 1	A	AVRG	15.1197			0.0661	14	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG	9.90415			0.1010	14	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG	9.26897			0.1079	20	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG	17.0130			0.0588	14	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG	10.7597			0.0929	13	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG	0.74929			1.3346	16	9	.99	20	
TCMX (PCB)	A	AVRG	0.93830			1.0658	13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG	48.0029			0.0208	16	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG	21.3693			0.0468	20	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG	17.7590			0.0563	14	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG	24.6742			0.0405	16	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG	46.2568			0.0216	9	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG	17.7291			0.0564	17	10	.99	20	
Aroclor-1260 Peak # 2	B	AVRG	15.7244			0.0636	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG	12.2876			0.0814	17	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG	21.0371			0.0475	17	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG	14.5138			0.0689	12	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG	0.94680			1.0562	17	9	.99	20	
TCMX (PCB)	B	AVRG	0.94258			1.0609	15	10	.99	20	

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

AVRG: Average response factor

Instrument: SVOA-GC06
 Calibration #: 453205686001
 Units: ug/L

Name: PCB_052223_1
 Date: 22-MAY-2023 20:06
 X Axis: R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A		0.0276	0.0245	0.0234	0.0239	0.0218	0.0206	0.0212	0.0184	0.0193
Aroclor-1016 Peak # 2	A		0.0566	0.0518	0.0480	0.0481	0.0439	0.0411	0.0427	0.0366	0.0387
Aroclor-1016 Peak # 3	A		0.0762	0.0633	0.0599	0.0612	0.0560	0.0519	0.0548	0.0476	0.0502
Aroclor-1016 Peak # 4	A		0.0443	0.0367	0.0358	0.0370	0.0341	0.0322	0.0341	0.0290	0.0309
Aroclor-1016 Peak # 5	A			0.0344	0.0292	0.0286	0.0264	0.0247	0.0261	0.0216	0.0226
Aroclor-1260 Peak # 1	A		0.0851	0.0711	0.0682	0.0709	0.0625	0.0605	0.0668	0.0525	0.0577
Aroclor-1260 Peak # 2	A		0.1294	0.1093	0.1026	0.1091	0.0961	0.0930	0.1010	0.0808	0.0875
Aroclor-1260 Peak # 3	A	0.1581	0.1289	0.1077	0.1032	0.1094	0.0971	0.0948	0.1043	0.0834	0.0921
Aroclor-1260 Peak # 4	A	0.0772	0.0641	0.0593	0.0559	0.0620	0.0553	0.0543	0.0597	0.0476	0.0524
Aroclor-1260 Peak # 5	A	0.1231	0.0945	0.0875	0.0849	0.1002	0.0893	0.0878	0.0975	0.0775	0.0870
Decachlorobiphenyl (PCB)	A		1.7632	1.3406	1.2120	1.5128	1.4154	1.3028	1.3203	1.0100	1.1344
TCMX (PCB)	A		1.3115	1.0954	1.0188	1.2898	0.9794	0.9774	1.0276	0.9022	0.9898
Aroclor-1016 Peak # 1	B	0.0287	0.0231	0.0220	0.0204	0.0214	0.0200	0.0189	0.0193	0.0169	0.0175
Aroclor-1016 Peak # 2	B	0.0611	0.0630	0.0503	0.0468	0.0471	0.0433	0.0407	0.0419	0.0361	0.0376
Aroclor-1016 Peak # 3	B		0.0724	0.0632	0.0574	0.0590	0.0541	0.0509	0.0542	0.0462	0.0495
Aroclor-1016 Peak # 4	B	0.0559	0.0462	0.0417	0.0392	0.0416	0.0384	0.0365	0.0384	0.0328	0.0345
Aroclor-1016 Peak # 5	B			0.0241	0.0220	0.0240	0.0220	0.0210	0.0220	0.0185	0.0193
Aroclor-1260 Peak # 1	B	0.0735	0.0722	0.0592	0.0548	0.0579	0.0517	0.0503	0.0540	0.0436	0.0468
Aroclor-1260 Peak # 2	B		0.0821	0.0695	0.0652	0.0682	0.0603	0.0584	0.0633	0.0506	0.0547
Aroclor-1260 Peak # 3	B	0.1108	0.0964	0.0809	0.0765	0.0815	0.0731	0.0718	0.0782	0.0632	
Aroclor-1260 Peak # 4	B	0.0660	0.0527	0.0493	0.0467	0.0491	0.0448	0.0412	0.0471	0.0378	0.0406
Aroclor-1260 Peak # 5	B		0.0860	0.0731	0.0692	0.0734	0.0655	0.0644	0.0708	0.0560	0.0616
Decachlorobiphenyl (PCB)	B		1.3936	1.1048	0.9715	1.1986	1.1264	1.0333	1.0299	0.7901	0.8576
TCMX (PCB)	B	1.3332	1.2621	1.0653	1.0656	1.2201	0.9321	0.9733	0.9760	0.8587	0.9229

Instrument: SVOA-GC06
 Calibration #: 453205686001
 Units: ug/L

Name: PCB_052223_1
 Date: 22-MAY-2023 20:06
 X Axis: R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A			20.000	24	50.000	10	100.00	5	250.00	7	500.00	-2	749.91	-8	1000.0	-5
Aroclor-1016 Peak # 2	A			20.000	25	50.000	14	100.00	6	250.00	6	500.00	-3	749.91	-9	1000.0	-6
Aroclor-1016 Peak # 3	A			20.000	32	50.000	9	100.00	3	250.00	6	500.00	-3	749.91	-10	1000.0	-5
Aroclor-1016 Peak # 4	A			20.000	27	50.000	5	100.00	2	250.00	6	500.00	-2	749.91	-8	1000.0	-2
Aroclor-1016 Peak # 5	A					50.000	29	100.00	9	250.00	7	500.00	-1	749.91	-7	1000.0	-2
Aroclor-1260 Peak # 1	A			20.000	29	50.000	8	100.00	3	250.00	7	500.00	-6	749.91	-9	1000.0	1
Aroclor-1260 Peak # 2	A			20.000	28	50.000	8	100.00	2	250.00	8	500.00	-5	749.91	-8	1000.0	0
Aroclor-1260 Peak # 3	A	10.000	47	20.000	19	50.000	0	100.00	-4	250.00	1	500.00	-10	749.91	-12	1000.0	-3
Aroclor-1260 Peak # 4	A	10.000	31	20.000	9	50.000	1	100.00	-5	250.00	6	500.00	-6	749.91	-8	1000.0	1
Aroclor-1260 Peak # 5	A	10.000	32	20.000	2	50.000	-6	100.00	-9	250.00	8	500.00	-4	749.91	-6	1000.0	5
Decachlorobiphenyl (PCB)	A			1.6000	32	4.0000	0	8.0000	-9	20.000	13	40.000	6	59.993	-2	80.000	-1
TCMX (PCB)	A			1.6000	23	4.0000	3	8.0000	-4	20.000	21	40.000	-8	59.993	-8	80.000	-4
Aroclor-1016 Peak # 1	B	10.000	38	20.000	11	50.000	6	100.00	-2	250.00	3	500.00	-4	749.91	-9	1000.0	-7
Aroclor-1016 Peak # 2	B	10.000	31	20.000	35	50.000	8	100.00	0	250.00	1	500.00	-7	749.91	-13	1000.0	-10
Aroclor-1016 Peak # 3	B			20.000	29	50.000	12	100.00	2	250.00	5	500.00	-4	749.91	-10	1000.0	-4
Aroclor-1016 Peak # 4	B	10.000	38	20.000	14	50.000	3	100.00	-3	250.00	3	500.00	-5	749.91	-10	1000.0	-5
Aroclor-1016 Peak # 5	B					50.000	11	100.00	2	250.00	11	500.00	2	749.91	-3	1000.0	2
Aroclor-1260 Peak # 1	B	10.000	30	20.000	28	50.000	5	100.00	-3	250.00	3	500.00	-8	749.91	-11	1000.0	-4
Aroclor-1260 Peak # 2	B			20.000	29	50.000	9	100.00	3	250.00	7	500.00	-5	749.91	-8	1000.0	0
Aroclor-1260 Peak # 3	B	10.000	36	20.000	18	50.000	-1	100.00	-6	250.00	0	500.00	-10	749.91	-12	1000.0	-4
Aroclor-1260 Peak # 4	B	10.000	39	20.000	11	50.000	4	100.00	-2	250.00	3	500.00	-6	749.91	-13	1000.0	-1
Aroclor-1260 Peak # 5	B			20.000	25	50.000	6	100.00	0	250.00	6	500.00	-5	749.91	-7	1000.0	3
Decachlorobiphenyl (PCB)	B			1.6000	32	4.0000	5	8.0000	-8	20.000	13	40.000	7	59.993	-2	80.000	-2
TCMX (PCB)	B	0.8000	26	1.6000	19	4.0000	0	8.0000	0	20.000	15	40.000	-12	59.993	-8	80.000	-8

Instrument: SVOA-GC06
 Calibration #: 453205686001
 Units: ug/L

Name: PCB_052223_1
 Date: 22-MAY-2023 20:06
 X Axis: R

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-17	2000.0	-13
Aroclor-1016 Peak # 2	A	1500.0	-19	2000.0	-15
Aroclor-1016 Peak # 3	A	1500.0	-18	2000.0	-13
Aroclor-1016 Peak # 4	A	1500.0	-17	2000.0	-11
Aroclor-1016 Peak # 5	A	1500.0	-19	2000.0	-15
Aroclor-1260 Peak # 1	A	1500.0	-21	2000.0	-13
Aroclor-1260 Peak # 2	A	1500.0	-20	2000.0	-13
Aroclor-1260 Peak # 3	A	1500.0	-23	2000.0	-15
Aroclor-1260 Peak # 4	A	1500.0	-19	2000.0	-11
Aroclor-1260 Peak # 5	A	1500.0	-17	2000.0	-6
Decachlorobiphenyl (PCB)	A	120.00	-24	160.00	-15
TCMX (PCB)	A	120.00	-15	160.00	-7
Aroclor-1016 Peak # 1	B	1500.0	-19	2000.0	-16
Aroclor-1016 Peak # 2	B	1500.0	-23	2000.0	-20
Aroclor-1016 Peak # 3	B	1500.0	-18	2000.0	-12
Aroclor-1016 Peak # 4	B	1500.0	-19	2000.0	-15
Aroclor-1016 Peak # 5	B	1500.0	-15	2000.0	-11
Aroclor-1260 Peak # 1	B	1500.0	-23	2000.0	-17
Aroclor-1260 Peak # 2	B	1500.0	-20	2000.0	-14
Aroclor-1260 Peak # 3	B	1500.0	-22		
Aroclor-1260 Peak # 4	B	1500.0	-20	2000.0	-15
Aroclor-1260 Peak # 5	B	1500.0	-19	2000.0	-11
Decachlorobiphenyl (PCB)	B	120.00	-25	160.00	-19
TCMX (PCB)	B	120.00	-19	160.00	-13

TRN 05/23/23 : Manually integrated for coeluting peak, negative/tailing peak for one/both channels on multiple levels

Instrument: SVOA-GC06
Calibration #: 453205686001
Units: ug/L

Name: PCB_052223_1
Date: 22-MAY-2023 20:06
X Axis: R

Analyst: TRN 05/23/23

Reviewer: LW 05/23/23

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 487140 PCBS Wipe
EPA 8082

Inst: SVOA-GC06
Calnum: 453205686001

Name: PCB_052223_1
Cal Date: 22-MAY-2023

- ICV 453205686031 (gc06_052223031 22-MAY-2023) stds: S18189

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	428.3	ug/L	-14	15	
Aroclor-1260	A	500.0	486.3	ug/L	-3	15	
Aroclor-1016	B	500.0	432.4	ug/L	-14	15	
Aroclor-1260	B	500.0	476.3	ug/L	-5	15	

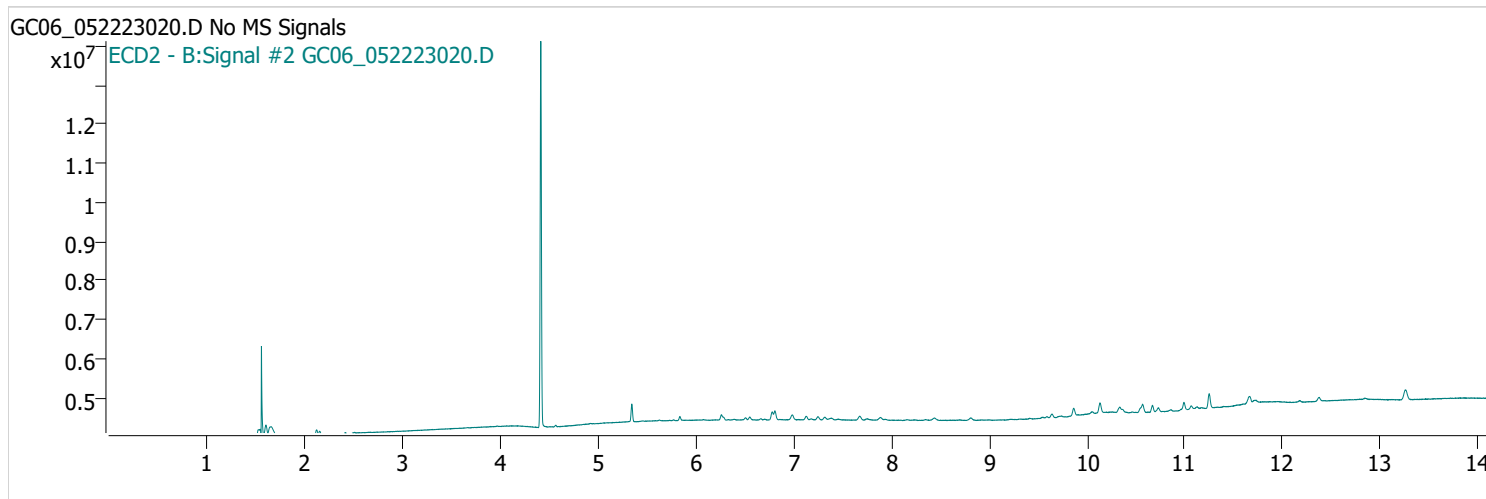
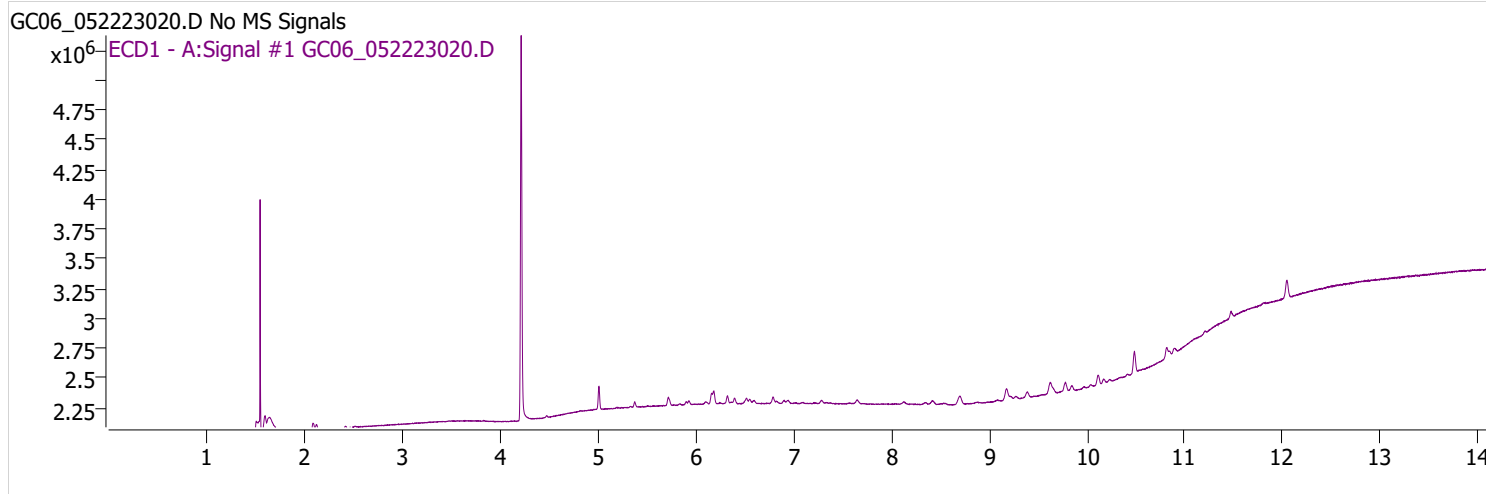
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Analyst: TRN 05/23/23

Reviewer: LW 05/23/23

Quantitation Results Report (Not Reviewed)

Data File	GC06_052223020.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 8:06:46 PM
Sample Name	ICAL, S18179	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



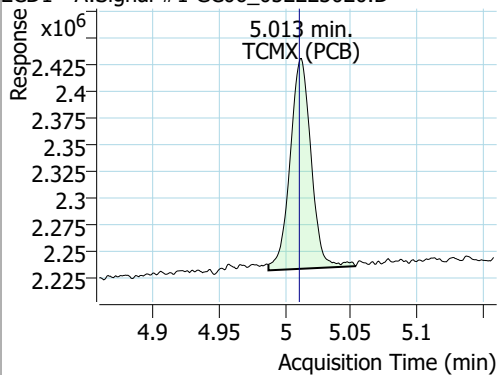
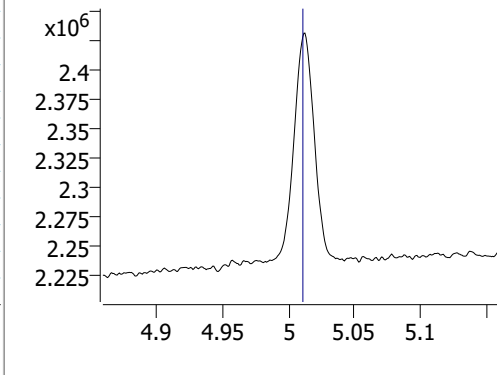
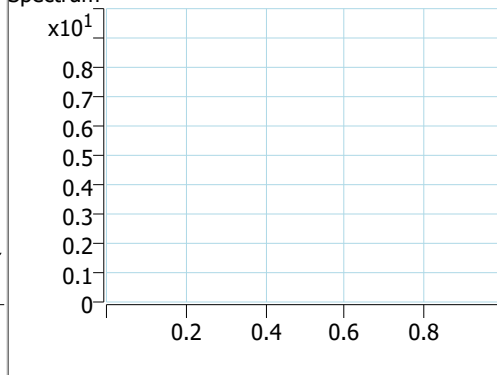
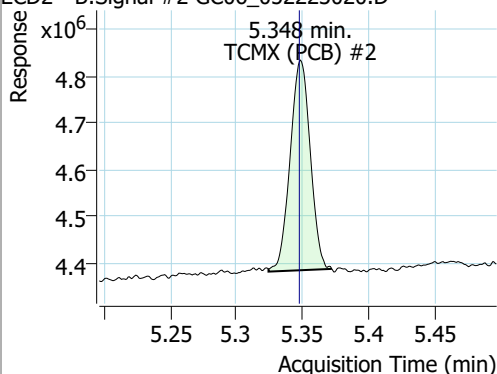
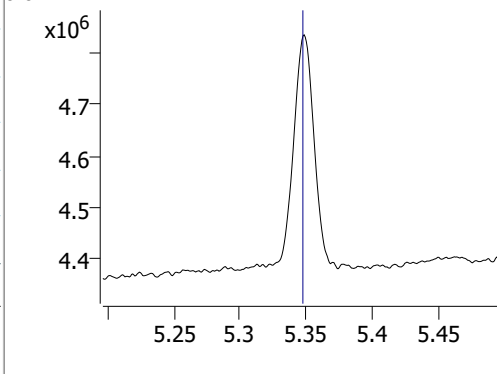
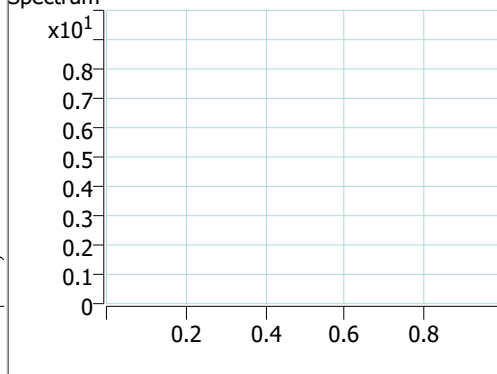
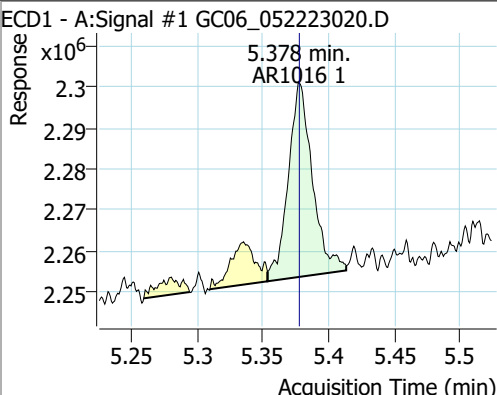
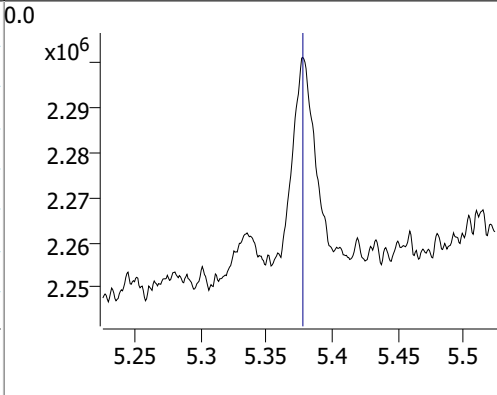
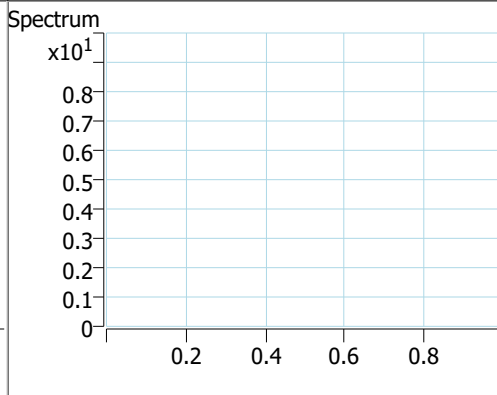
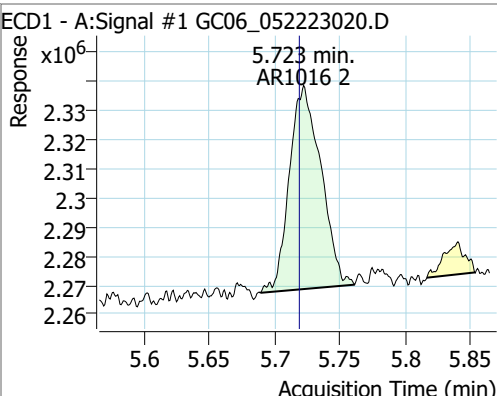
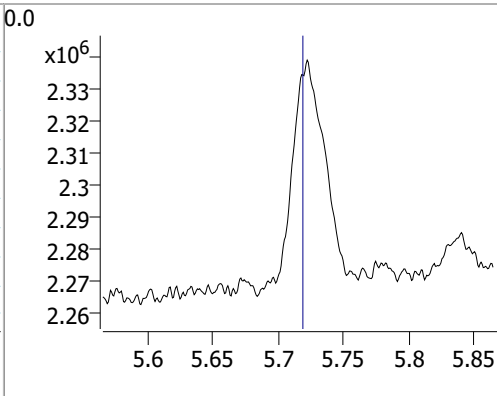
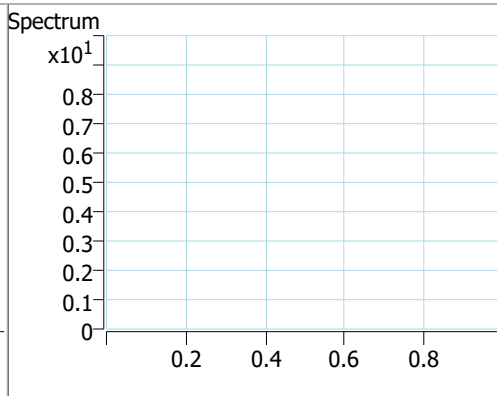
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.218	0.0	3319808.327	20.0000	ng/ml	0.008
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	8866253.650	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.013	0.0	218490.563	1.2415	ng/ml	0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 6.21%	*	
S TCMX (PCB) #2	5.348	0.0	472805.108	1.0082	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.04%	*	
S Decachlorobiphenyl (PCB)	12.044	0.0	291518.580	1.3267	ng/ml	0.023
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 6.63%	*	
S Decachlorobiphenyl (PCB) #2	13.258	0.0	632444.173	1.3581	ng/ml	0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 6.79%	*	
Target Compounds						QValue
T AR1016 1	5.378	0.0	61309.165	16.6853	ng/ml	100
T AR1016 2	5.723	0.0	117562.640	15.6669	ng/ml	100
T AR1016 1 #2	5.840	0.0	127309.840	13.8000	ng/ml	100

Quantitation Results Report (Not Reviewed)

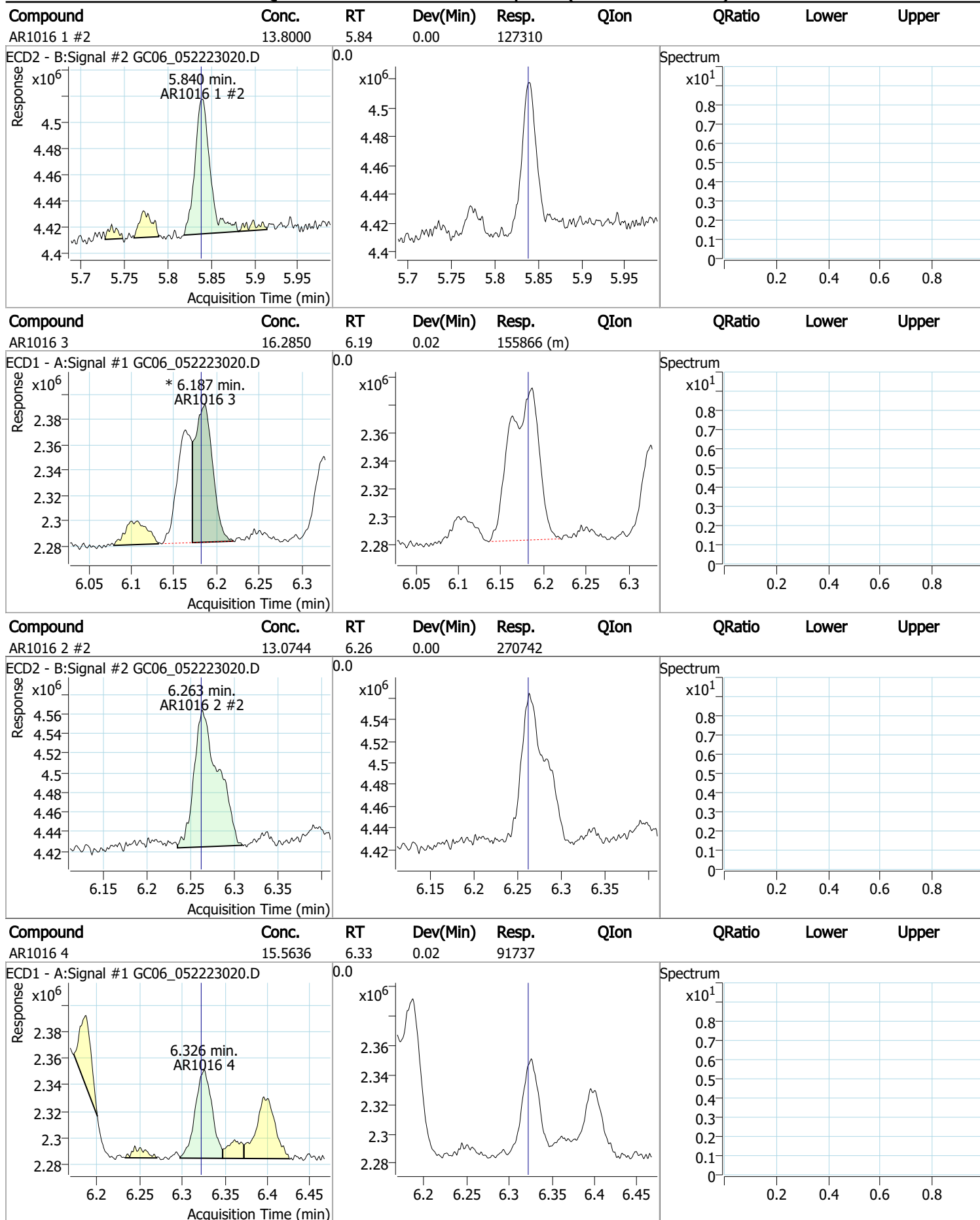
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.187	0.0	155866.244	16.2850	ng/ml m	100
T AR1016 2 #2	6.263	0.0	270742.302	13.0744	ng/ml	100
T AR1016 4	6.326	0.0	91736.550	15.5636	ng/ml	100
T AR1016 5	6.520	0.0	84019.148	19.2055	ng/ml	100
T AR1016 3 #2	6.811	0.0	386894.363	15.5439	ng/ml	100
T AR1016 4 #2	6.988	0.0	247753.500	13.8049	ng/ml	100
T AR1016 5 #2	7.251	0.0	141832.892	14.1157	ng/ml	100
T AR1260 1	8.701	0.0	181061.273	16.5041	ng/ml	100
T AR1260 2	9.178	0.0	267356.534	16.0212	ng/ml	100
T AR1260 3	9.623	0.0	262363.997	14.6680	ng/ml	100
T AR1260 1 #2	9.865	0.0	325692.704	12.9688	ng/ml	100
T AR1260 4	10.113	0.0	128136.380	13.1049	ng/ml	100
T AR1260 2 #2	10.133	0.0	490944.388	17.2965	ng/ml	100
T AR1260 3 #2	10.568	0.0	491203.187	13.4841	ng/ml	100
T AR1260 5	10.816	0.0	204319.500	12.8466	ng/ml	100
T AR1260 4 #2	10.990	0.0	292791.859	13.7527	ng/ml m	100
T AR1260 5 #2	11.664	0.0	432968.877	13.9975	ng/ml	100

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

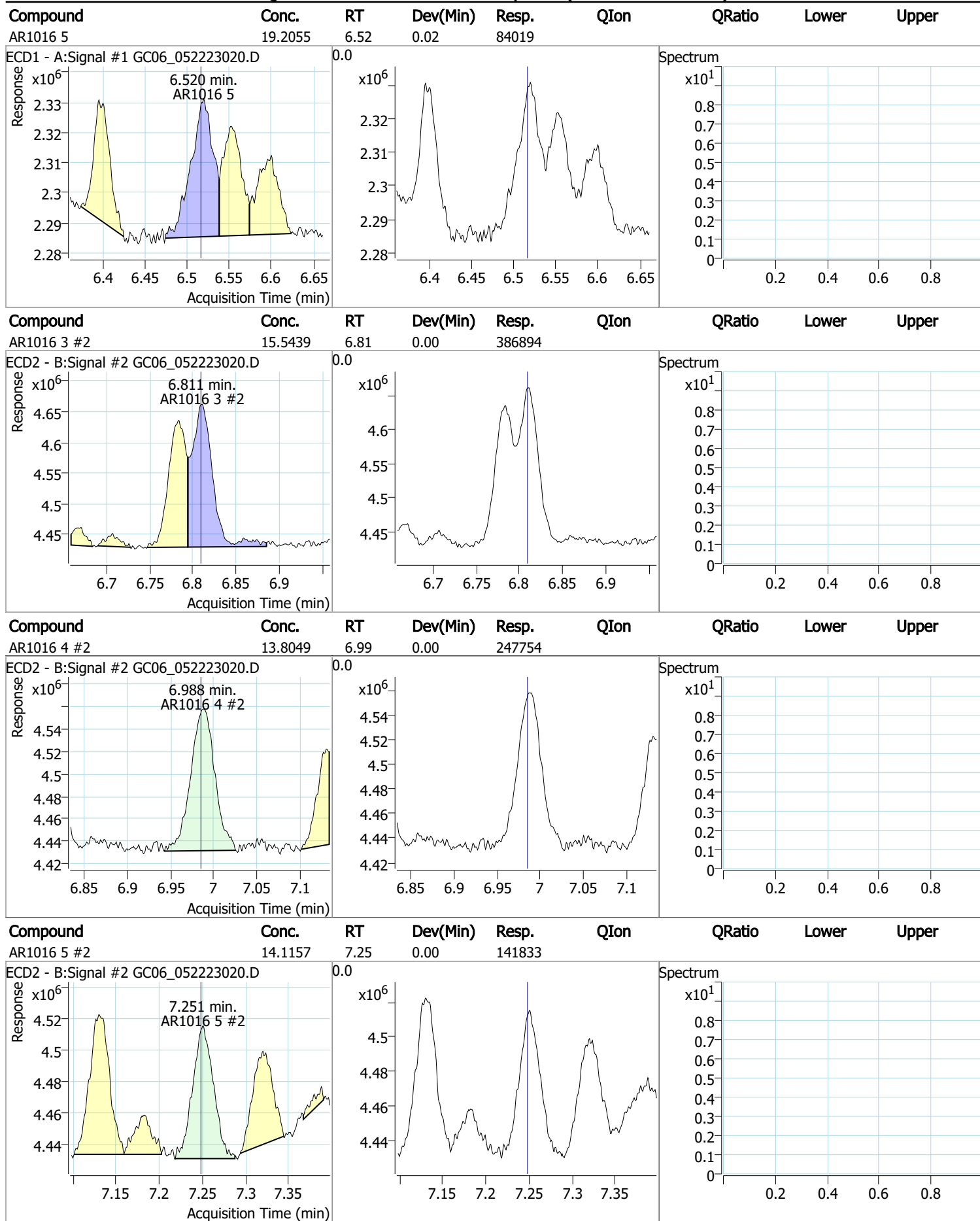
Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.2415	5.01	0.01	218491				
ECD1 - A:Signal #1 GC06_052223020.D								
								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.0082	5.35	0.00	472805				
ECD2 - B:Signal #2 GC06_052223020.D								
								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	16.6853	5.38	0.01	61309				
ECD1 - A:Signal #1 GC06_052223020.D								
								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	15.6669	5.72	0.01	117563				
ECD1 - A:Signal #1 GC06_052223020.D								
								

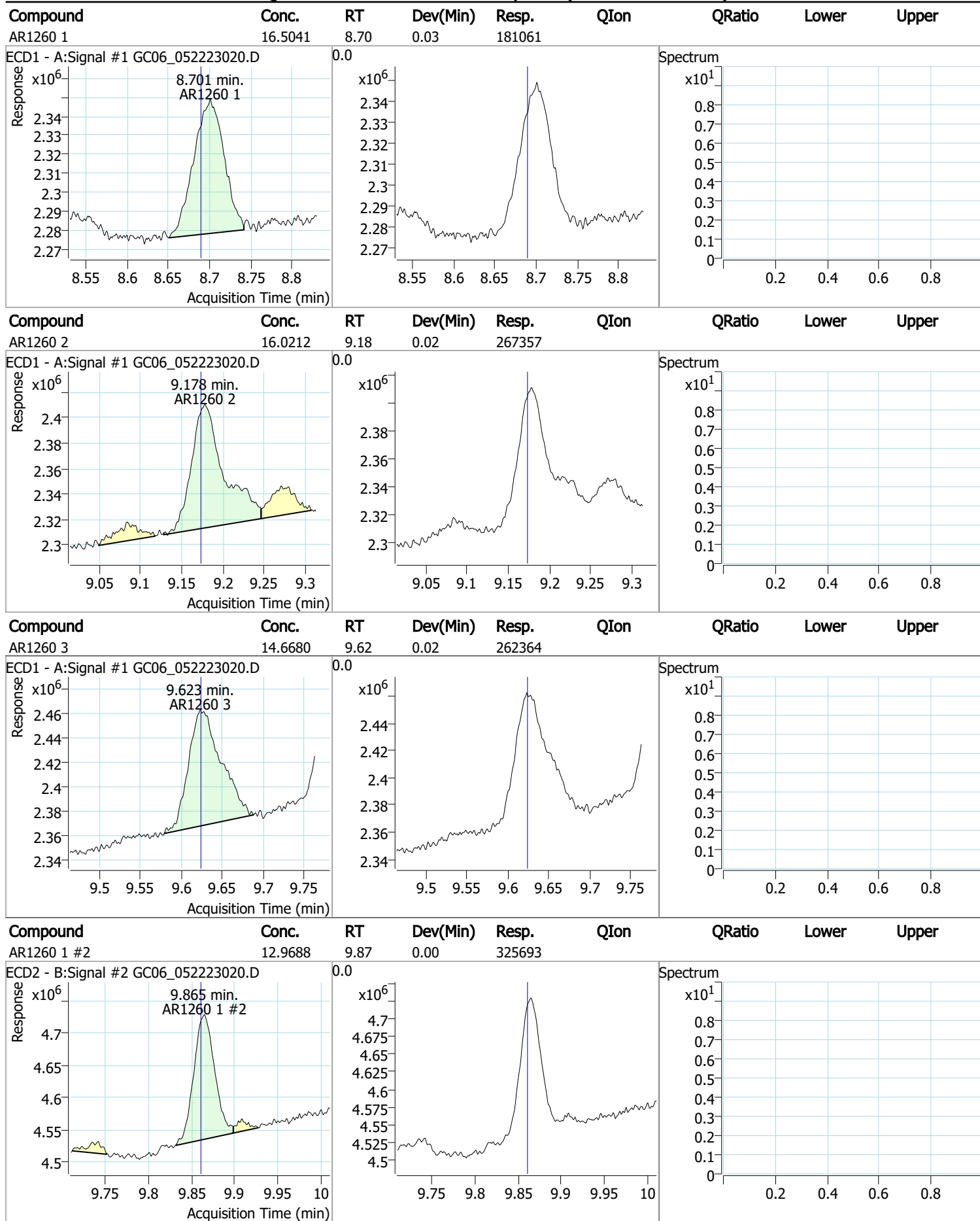
Quantitation Results Report (Not Reviewed)



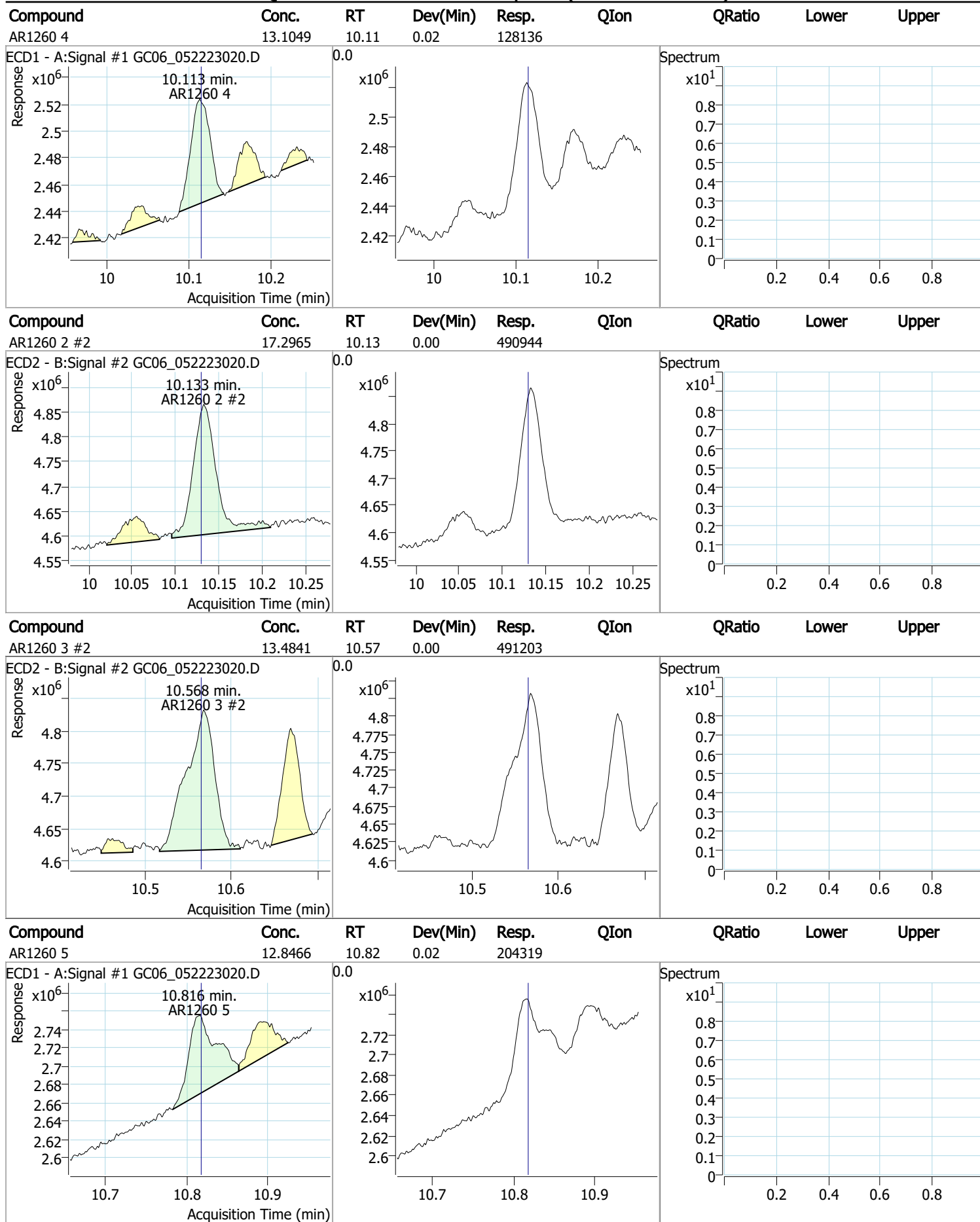
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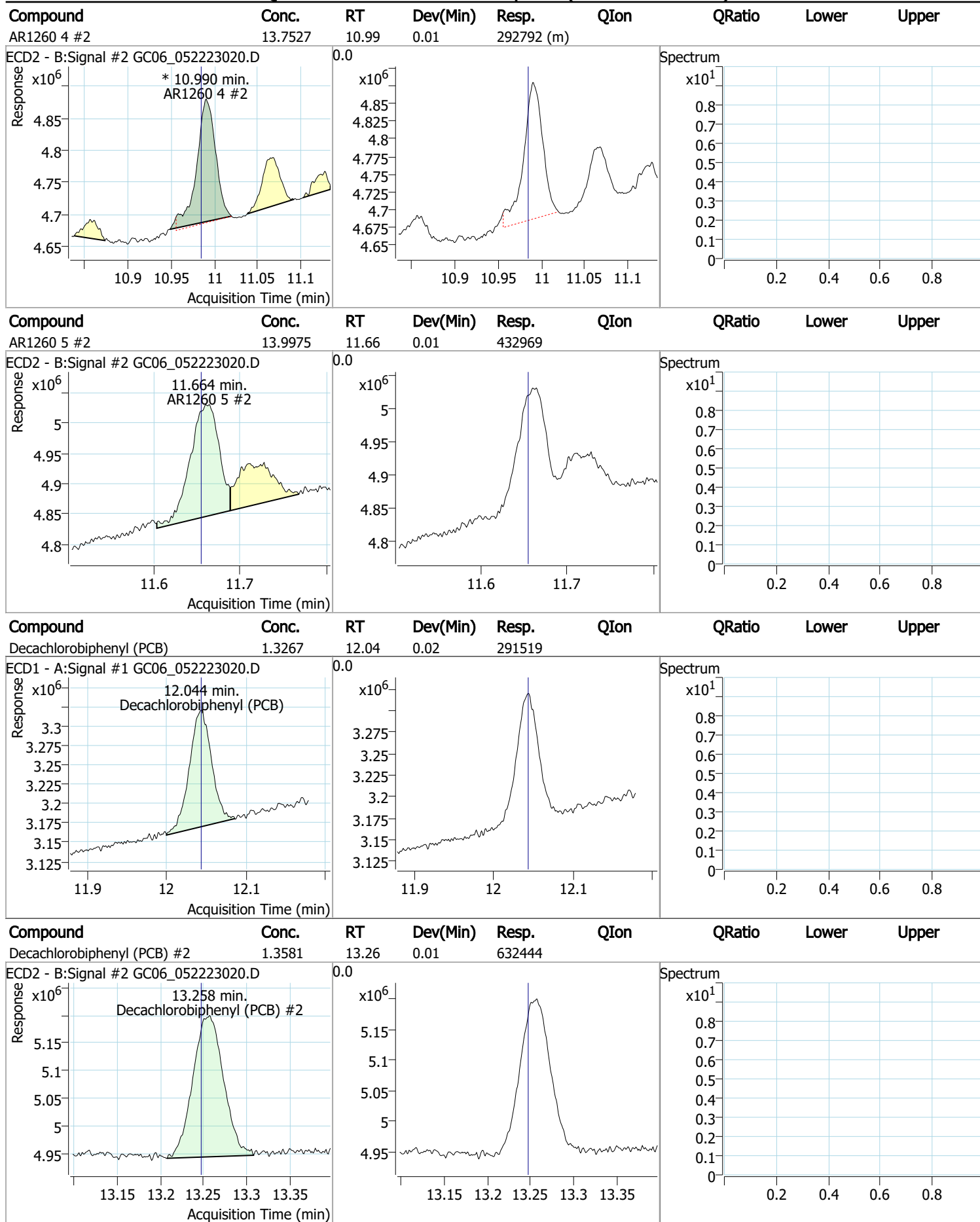
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Quantitation Results Report (Not Reviewed)



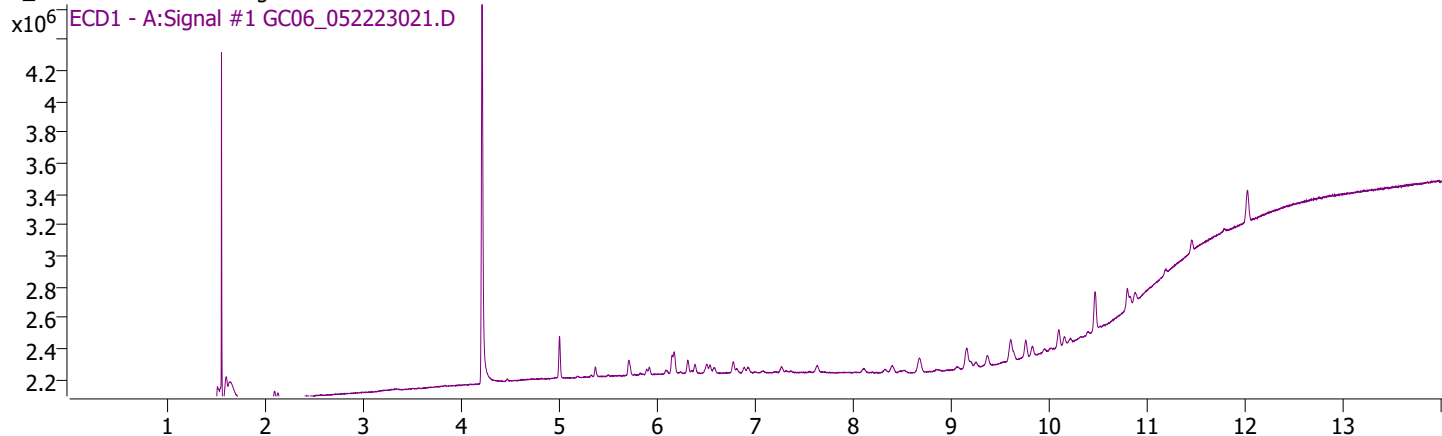
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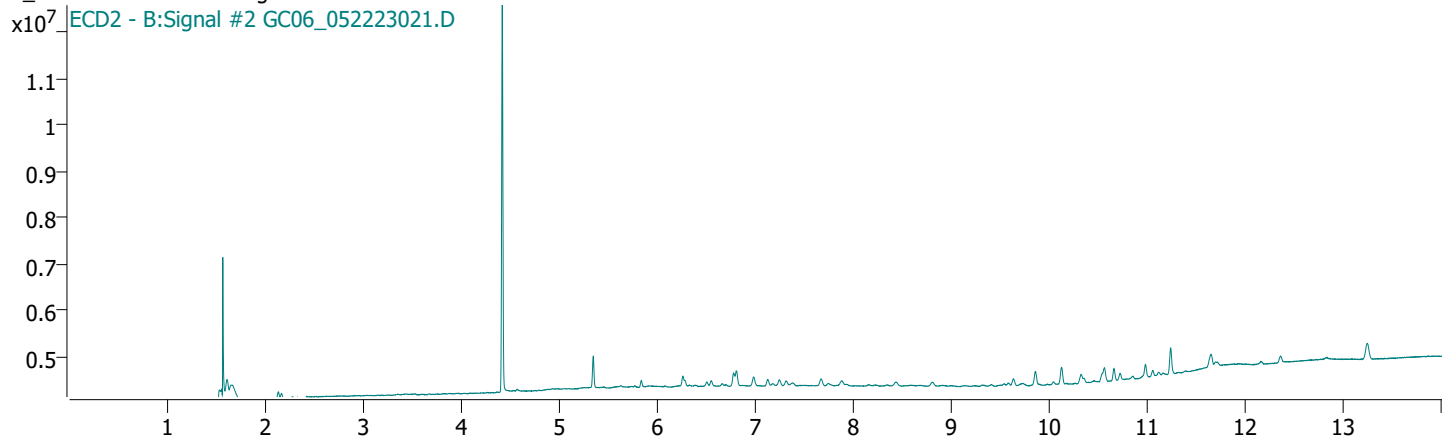
Quantitation Results Report (Not Reviewed)

Data File	GC06_052223021.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 8:24:57 PM
Sample Name	ICAL, S18180	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			

GC06_052223021.D No MS Signals



GC06_052223021.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.213	0.0	2895344.44 1	20.0000	ng/ml		0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	7570414.19 2	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.003	0.0	303777.472	1.9792	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.90%		*	
S TCMX (PCB) #2	5.348	0.0	764383.122	1.9089	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.54%		*	
S Decachlorobiphenyl (PCB)	12.029	0.0	408400.785	2.1312	ng/ml		0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.66%		*	
S Decachlorobiphenyl (PCB) #2	13.253	0.0	844002.434	2.1227	ng/ml		0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.61%		*	
Target Compounds							QValue
T AR1016 1	5.368	0.0	79790.931	24.8987	ng/ml	m	100
T AR1016 2	5.711	0.0	163841.543	25.0351	ng/ml		100
T AR1016 1 #2	5.838	0.0	174515.852	22.1550	ng/ml		100

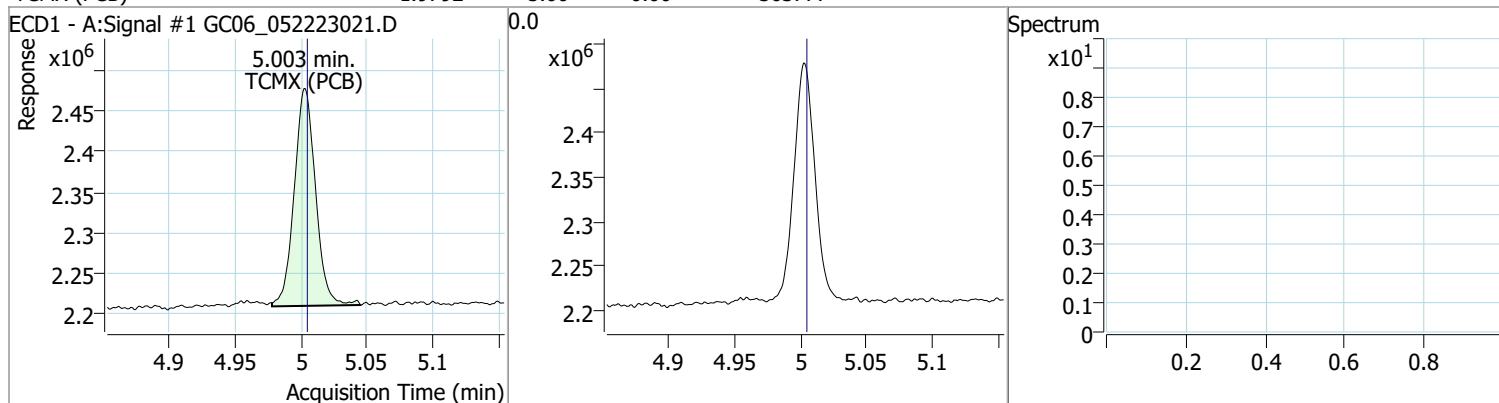
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 3	6.175	0.0	220523.220	26.4181	ng/ml	100
T AR1016 2 #2	6.263	0.0	477082.623	26.9823	ng/ml	100
T AR1016 4	6.313	0.0	128324.919	24.9627	ng/ml	100
T AR1016 5	6.507	0.0	115071.070	30.1596	ng/ml	100
T AR1016 3 #2	6.808	0.0	548224.081	25.7956	ng/ml	100
T AR1016 4 #2	6.985	0.0	350067.342	22.8447	ng/ml	100
T AR1016 5 #2	7.247	0.0	236355.630	27.5495	ng/ml	100
T AR1260 1	8.677	0.0	246324.631	25.7447	ng/ml	100
T AR1260 2	9.161	0.0	374573.756	25.7367	ng/ml	100
T AR1260 3	9.611	0.0	373137.702	23.9193	ng/ml	100
T AR1260 1 #2	9.863	0.0	546442.383	25.4834	ng/ml	100
T AR1260 4	10.101	0.0	185605.908	21.7654	ng/ml	100
T AR1260 2 #2	10.130	0.0	621546.504	25.6460	ng/ml	100
T AR1260 3 #2	10.568	0.0	729683.927	23.4593	ng/ml	100
T AR1260 5	10.803	0.0	273678.565	19.7302	ng/ml	100
T AR1260 4 #2	10.987	0.0	398783.981	21.9375	ng/ml m	100
T AR1260 5 #2	11.657	0.0	651340.206	24.6617	ng/ml	100

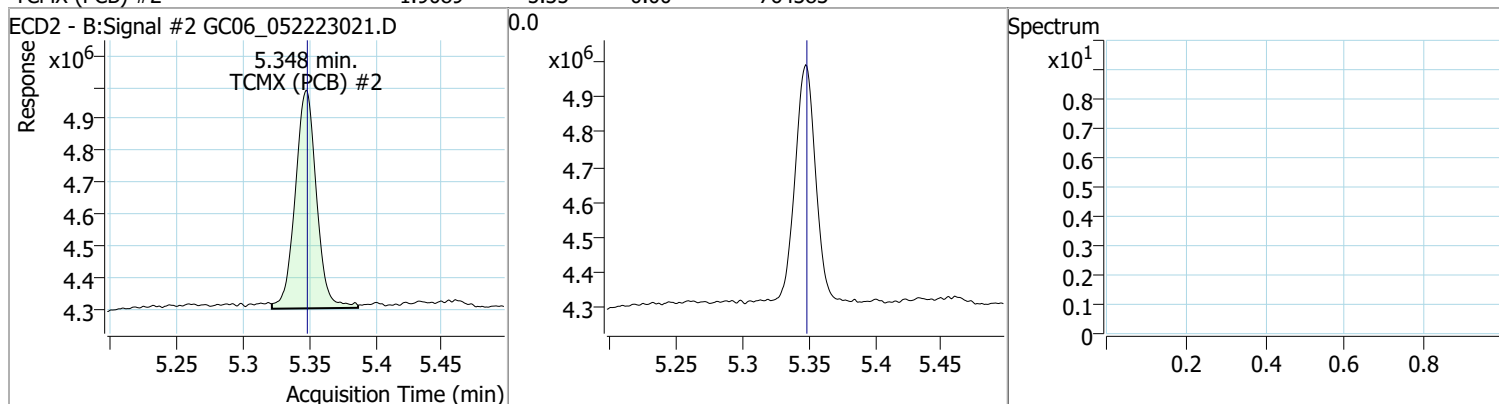
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

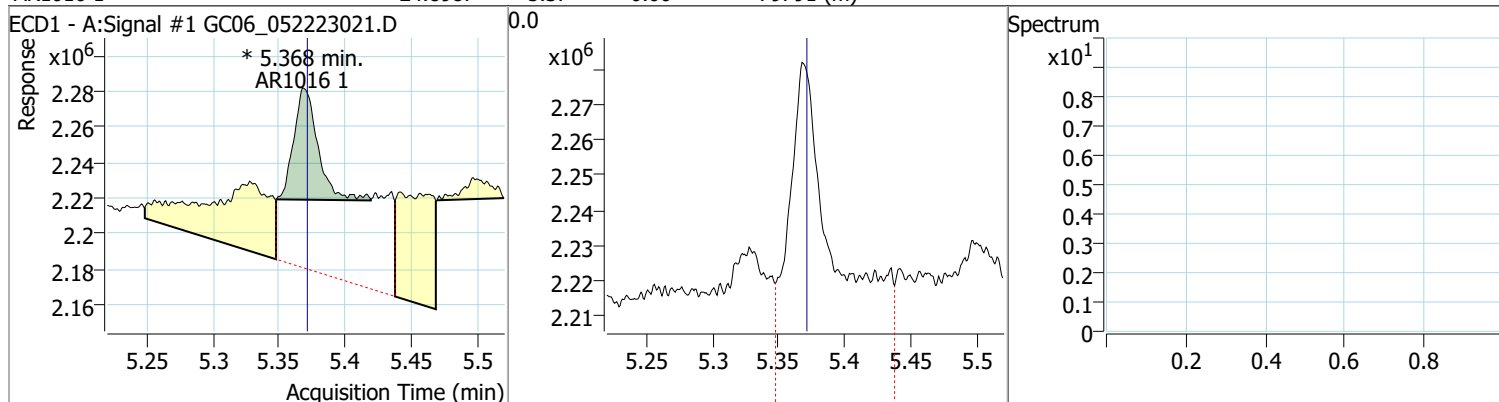
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.9792	5.00	0.00	303777				



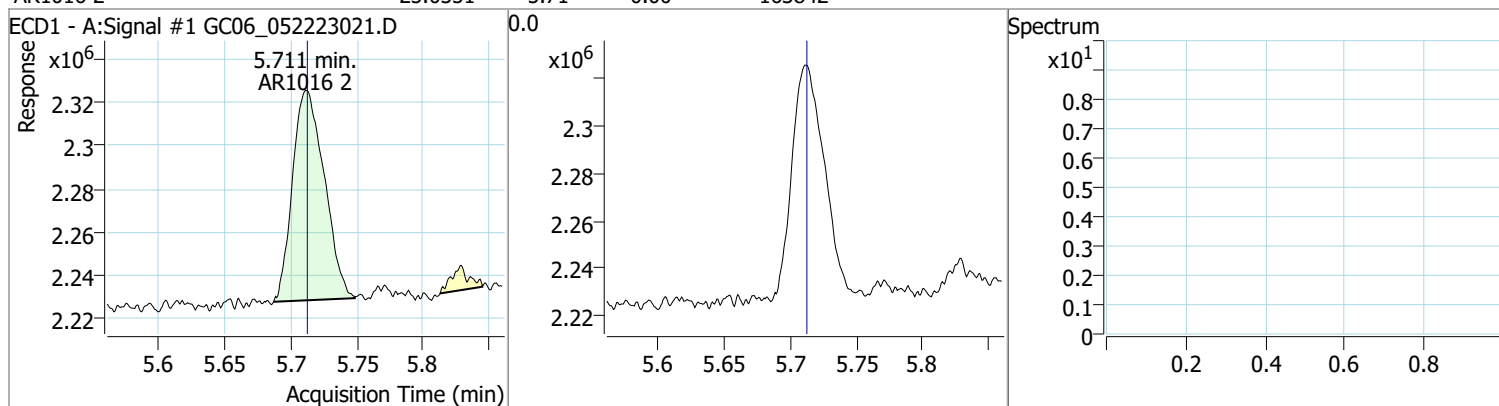
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9089	5.35	0.00	764383				



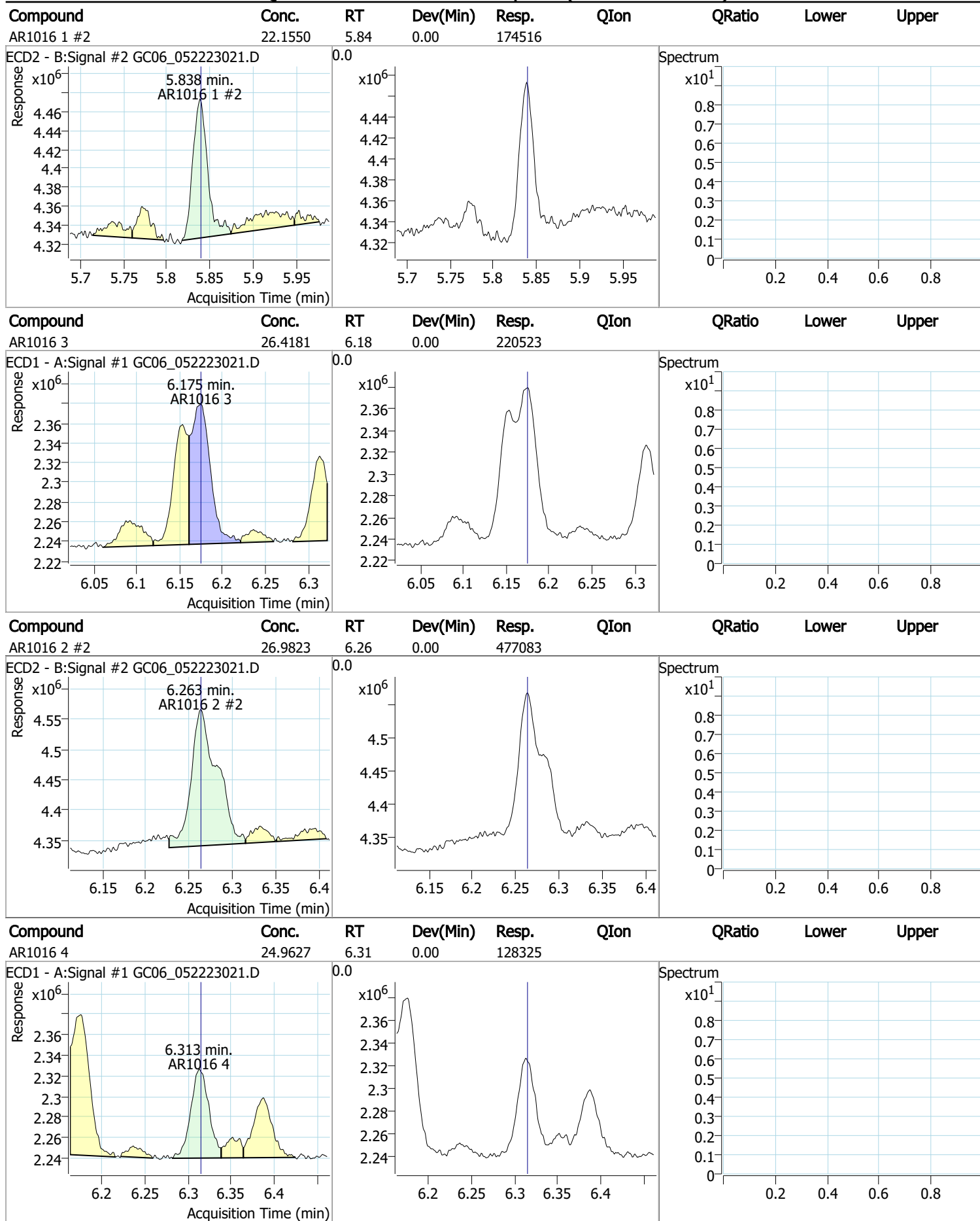
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.8987	5.37	0.00	79791 (m)				



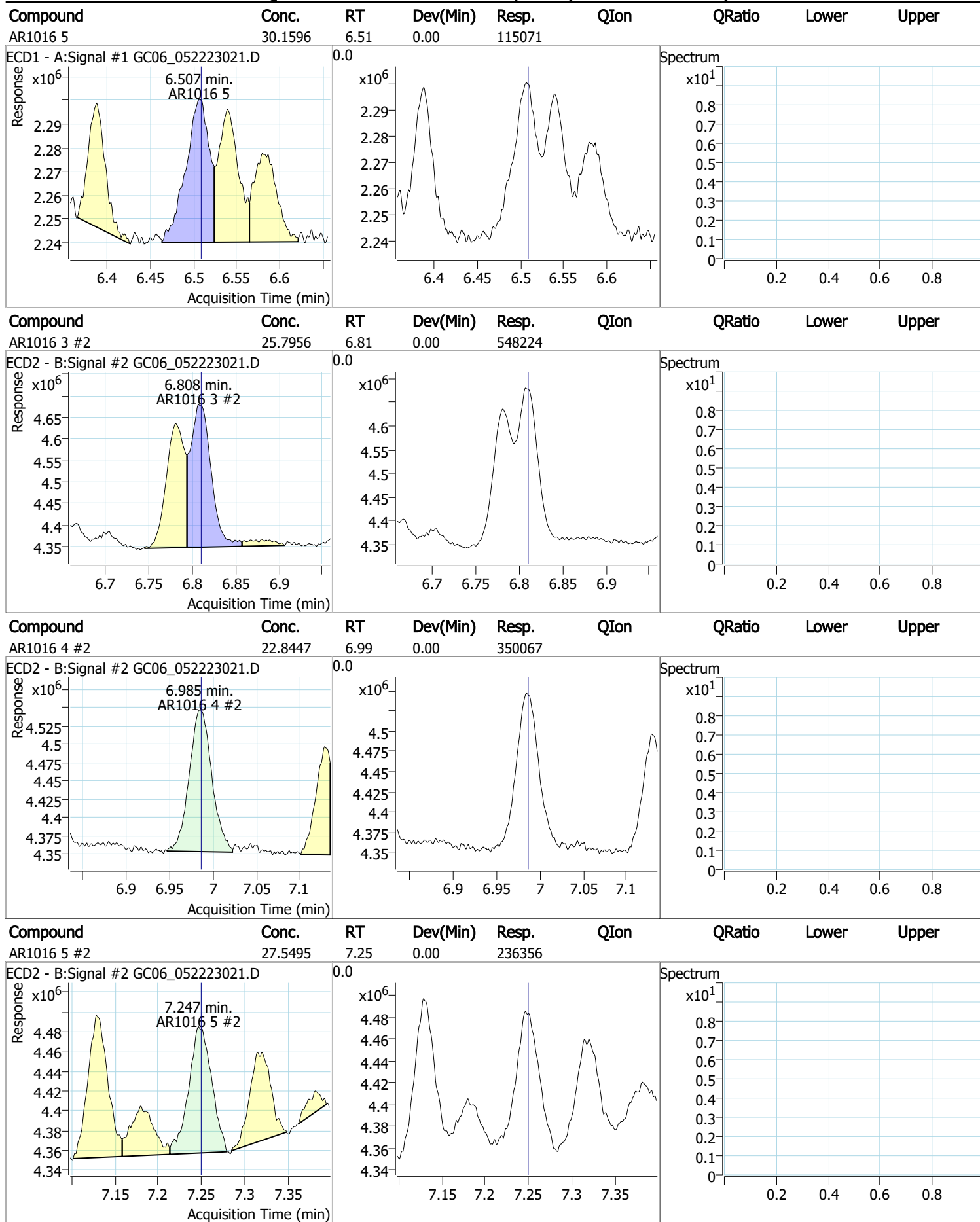
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.0351	5.71	0.00	163842				



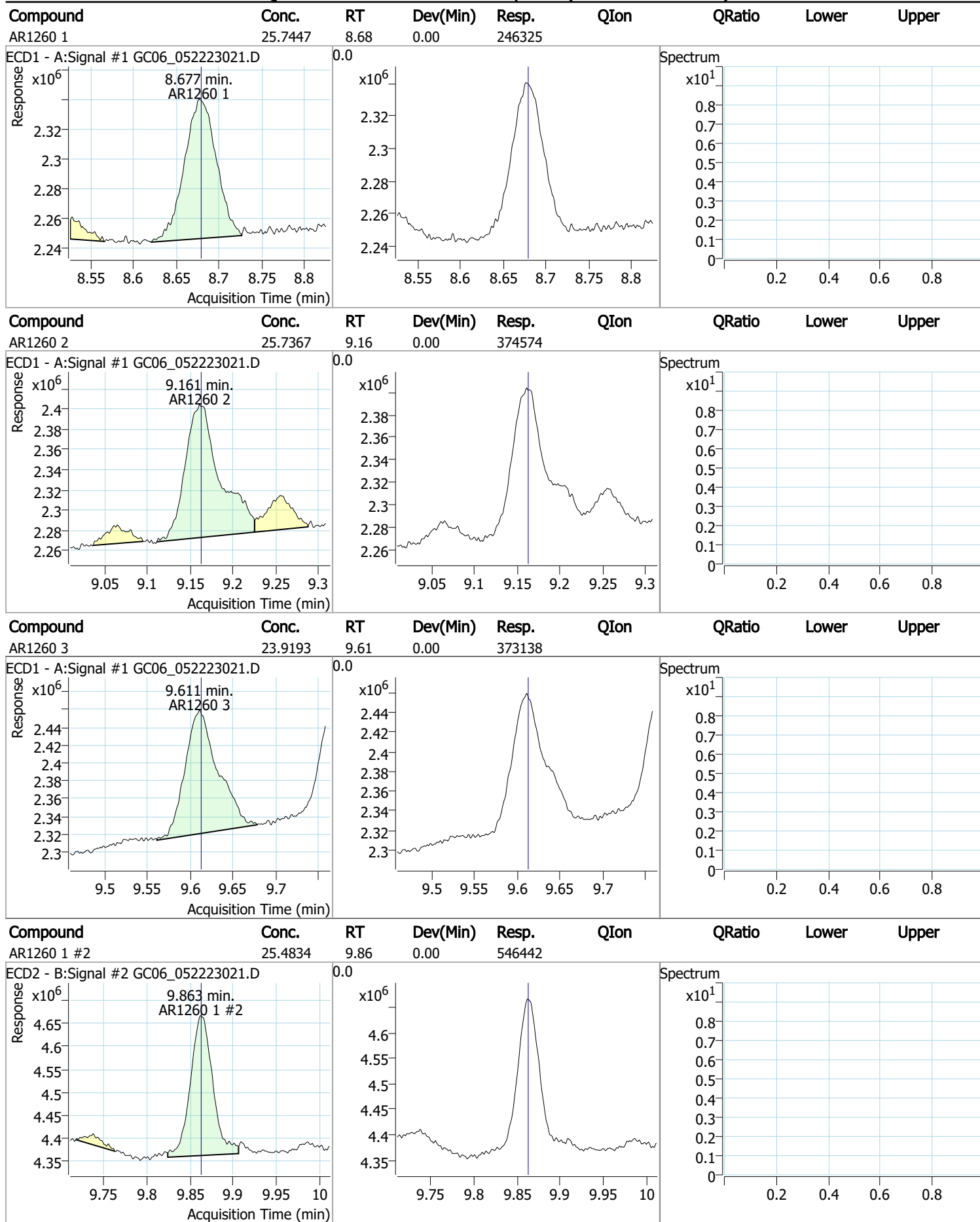
Quantitation Results Report (Not Reviewed)



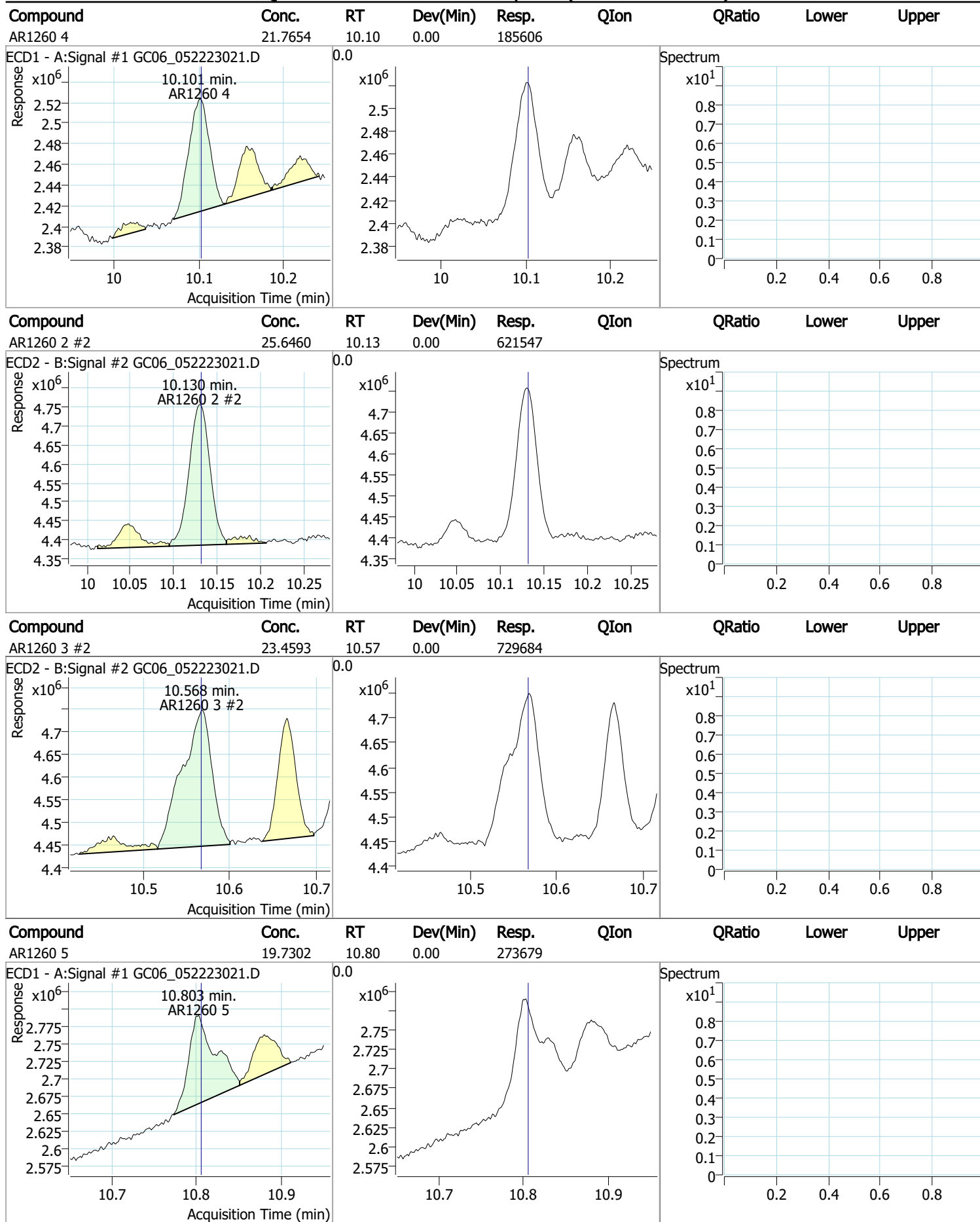
Quantitation Results Report (Not Reviewed)



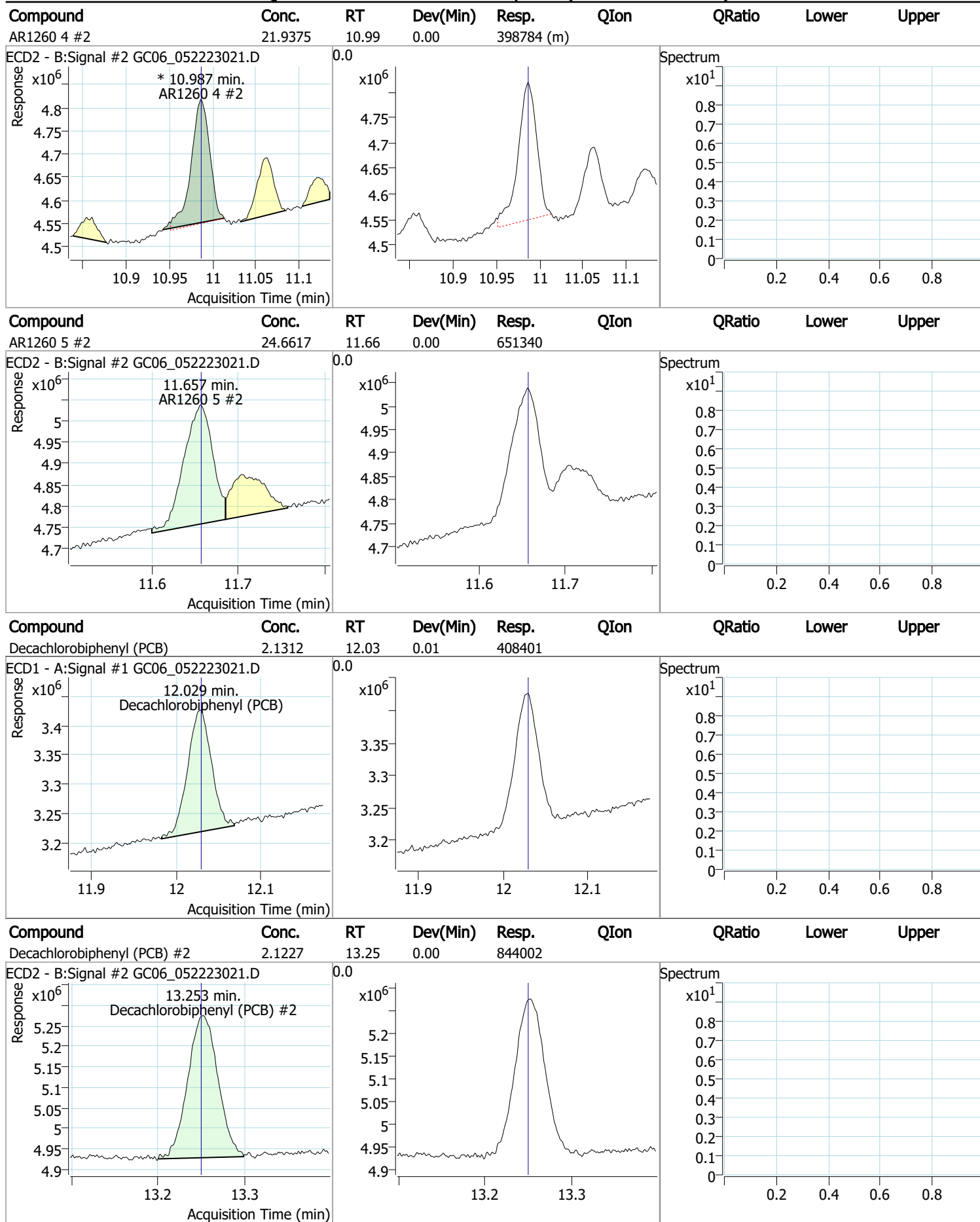
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

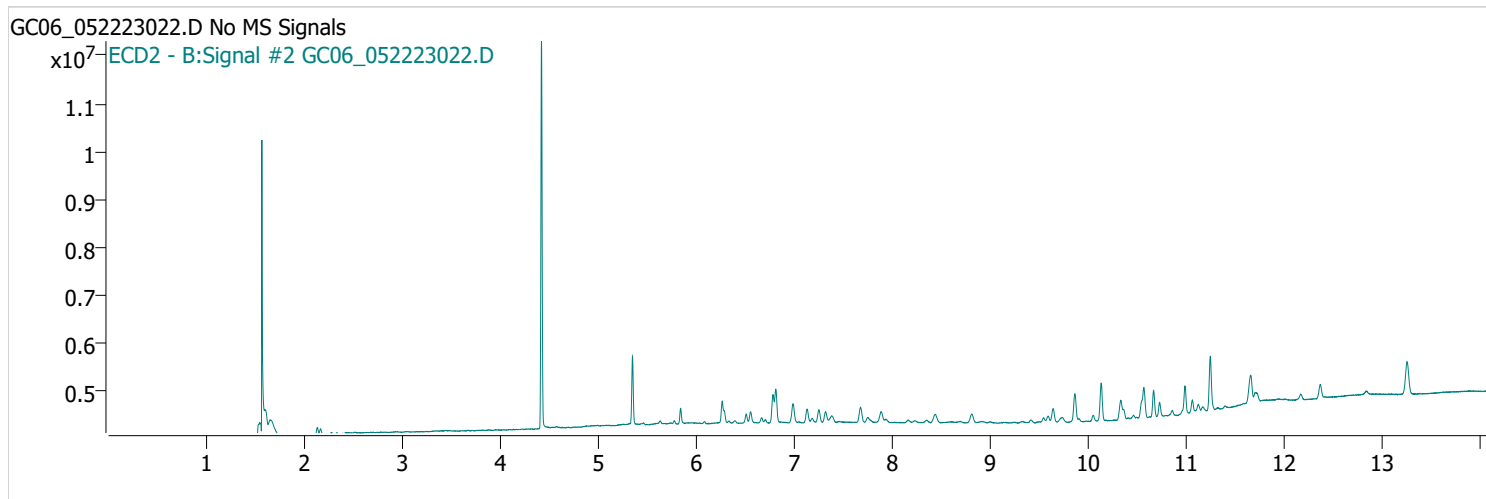
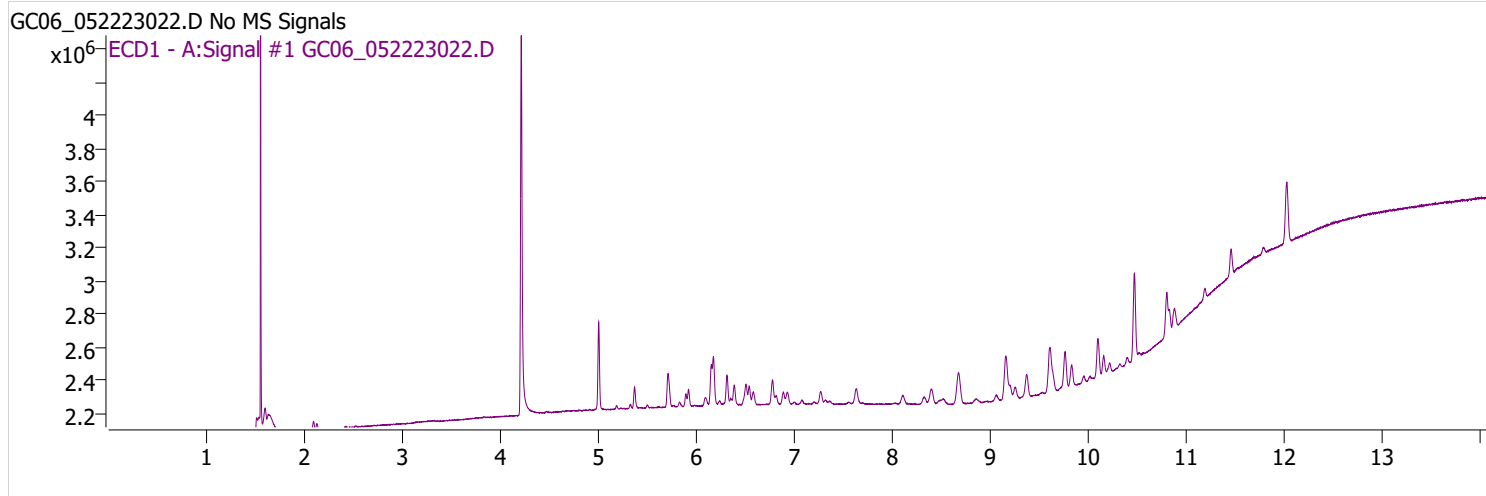


Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223022.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 8:43:12 PM
Sample Name	ICAL, S18181	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.212	0.0	2781470.052	20.0000	ng/ml	0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	7279227.004	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.002	0.0	609354.312	4.1327	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.66%	*	
S TCMX (PCB) #2	5.347	0.0	1550920.509	4.0281	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.14%	*	
S Decachlorobiphenyl (PCB)	12.025	0.0	745781.080	4.0511	ng/ml	0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.26%	*	
S Decachlorobiphenyl (PCB) #2	13.251	0.0	1608412.437	4.2070	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.03%	*	
Target Compounds						QValue
T AR1016 1	5.368	0.0	170540.954	55.3958	ng/ml	100

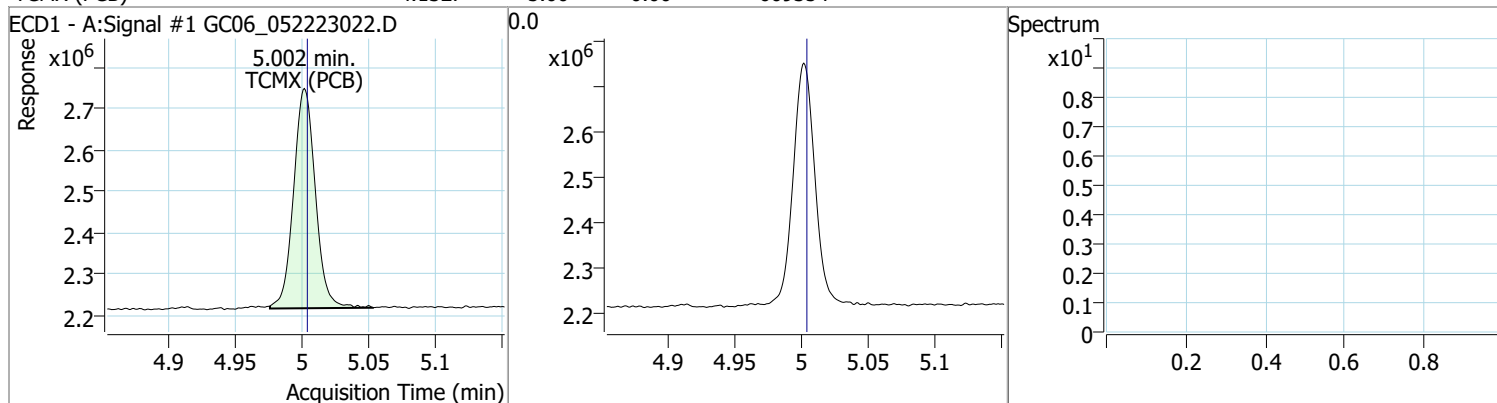
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.710	0.0	360225.003	57.2961	ng/ml	100
T AR1016 1 #2	5.838	0.0	401206.504	52.9711	ng/ml	100
T AR1016 3	6.173	0.0	440222.763	54.8967	ng/ml	100
T AR1016 2 #2	6.263	0.0	916186.565	53.8895	ng/ml	100
T AR1016 4	6.311	0.0	255106.188	51.6567	ng/ml	100
T AR1016 5	6.505	0.0	238869.088	65.1697	ng/ml	100
T AR1016 3 #2	6.809	0.0	1149843.60 2	56.2678	ng/ml	100
T AR1016 4 #2	6.985	0.0	759546.436	51.5494	ng/ml	100
T AR1016 5 #2	7.249	0.0	438386.305	53.1421	ng/ml	100
T AR1260 1	8.675	0.0	494730.824	53.8238	ng/ml	100
T AR1260 2	9.157	0.0	759997.467	54.3568	ng/ml	100
T AR1260 3	9.608	0.0	748707.497	49.9593	ng/ml	100
T AR1260 1 #2	9.861	0.0	1076849.30 7	52.2279	ng/ml	100
T AR1260 4	10.096	0.0	412655.823	50.3719	ng/ml	100
T AR1260 2 #2	10.129	0.0	1265019.65 3	54.2847	ng/ml	100
T AR1260 3 #2	10.566	0.0	1471627.93 4	49.2054	ng/ml	100
T AR1260 5	10.800	0.0	608490.548	45.6637	ng/ml m	100
T AR1260 4 #2	10.985	0.0	897655.785	51.3563	ng/ml	100
T AR1260 5 #2	11.655	0.0	1331118.84 9	52.4162	ng/ml	100

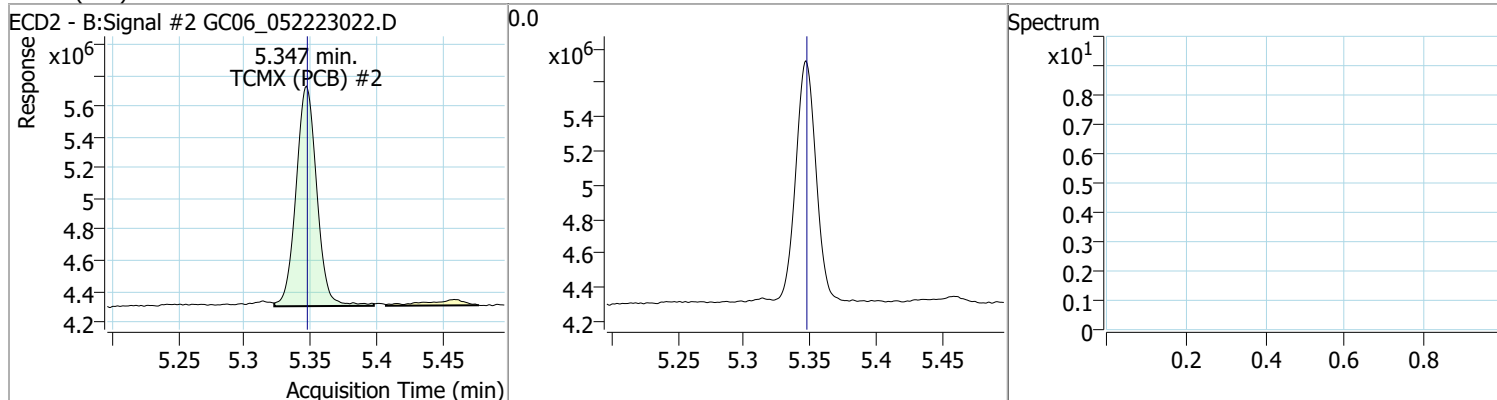
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

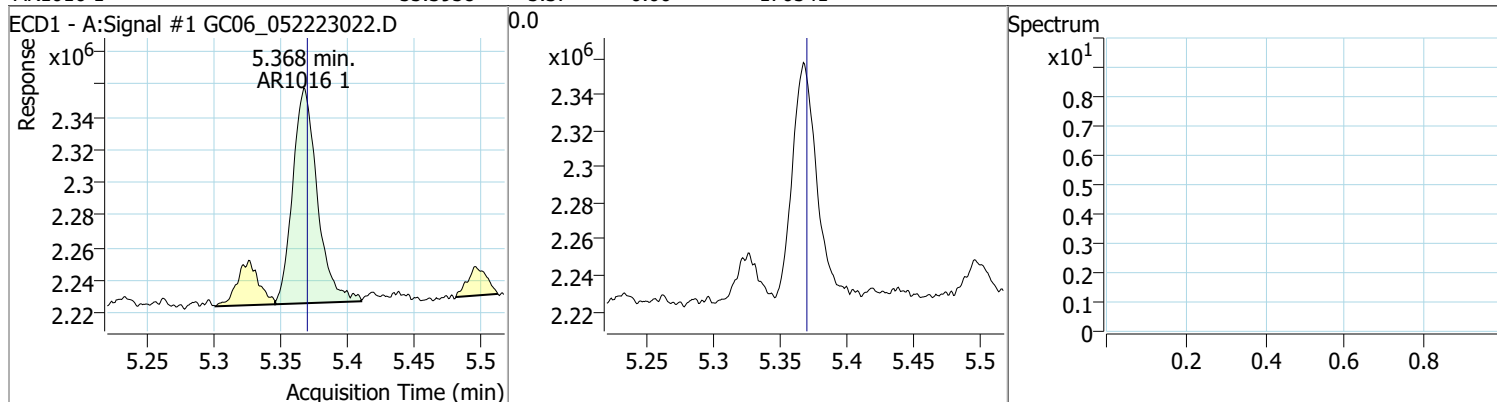
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.1327	5.00	0.00	609354				



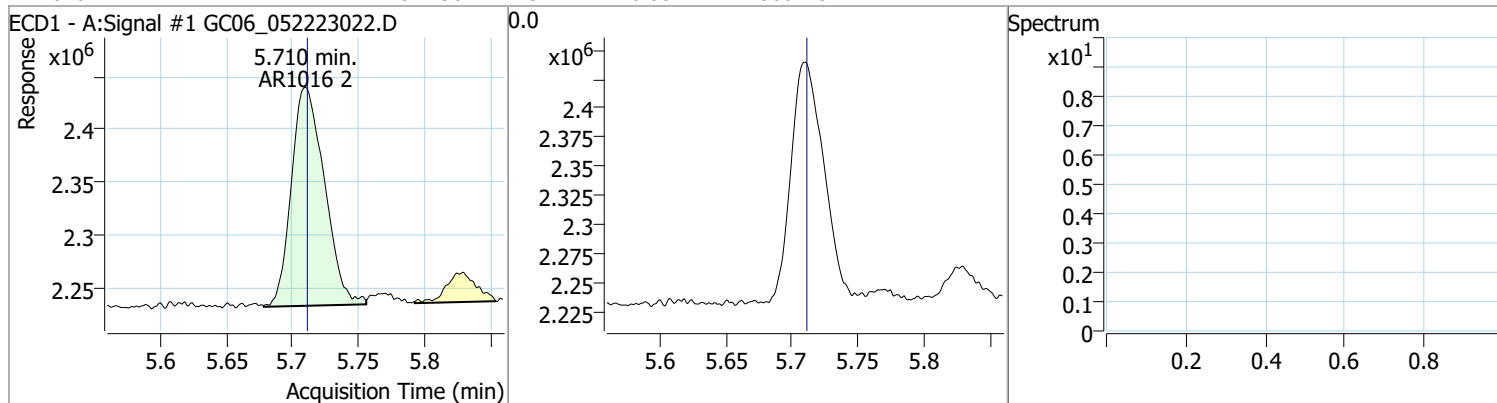
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.0281	5.35	0.00	1550921				



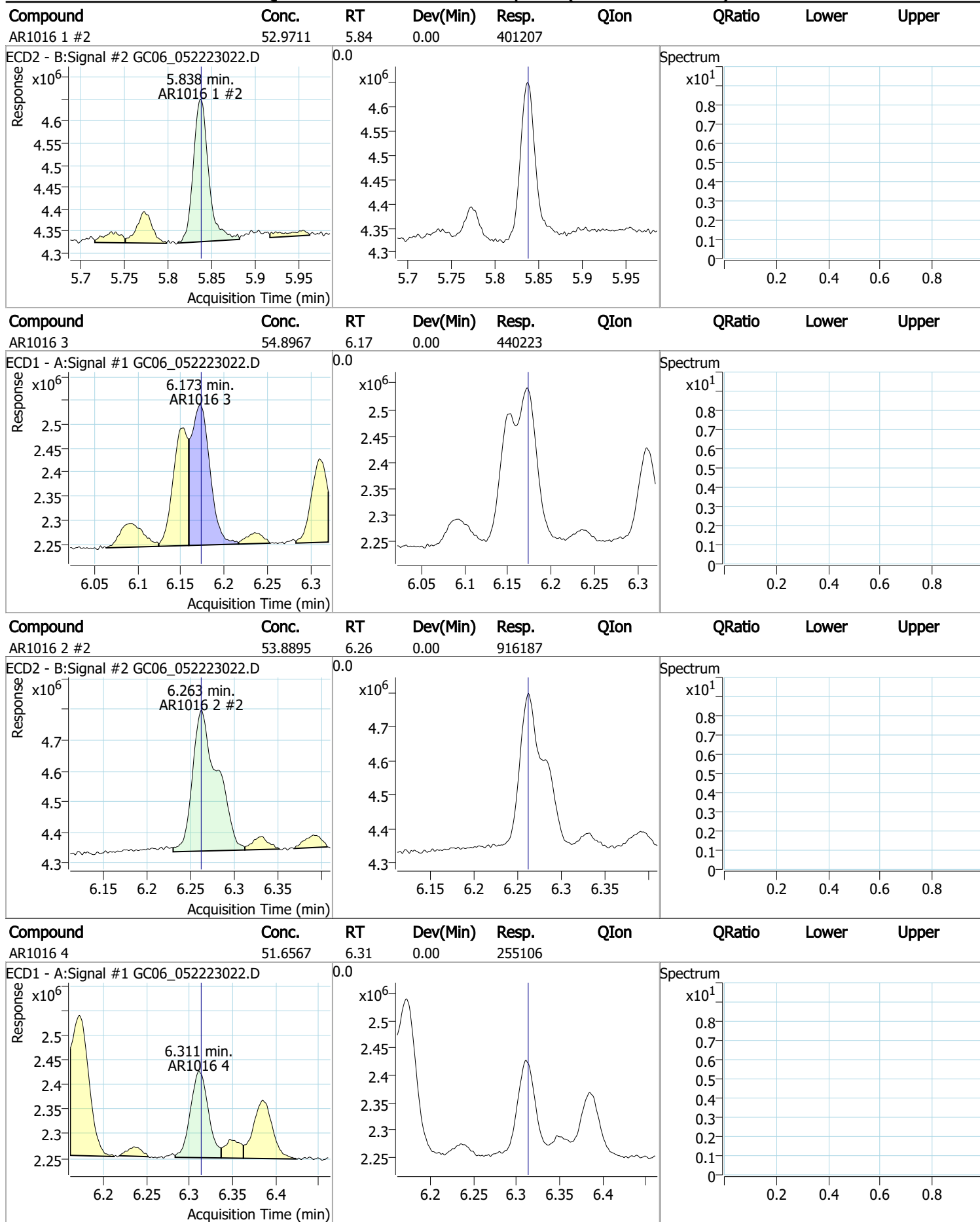
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	55.3958	5.37	0.00	170541				



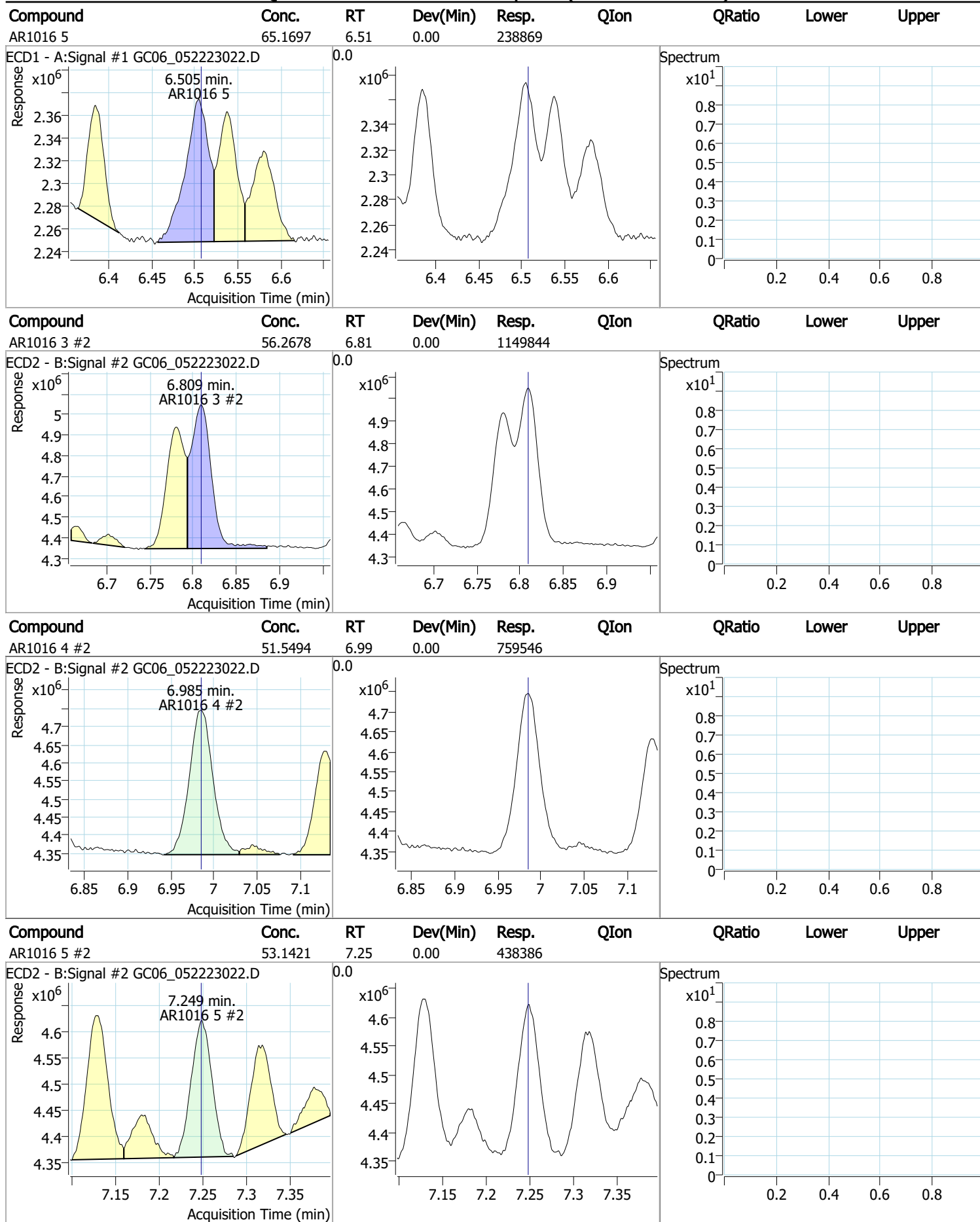
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	57.2961	5.71	0.00	360225				



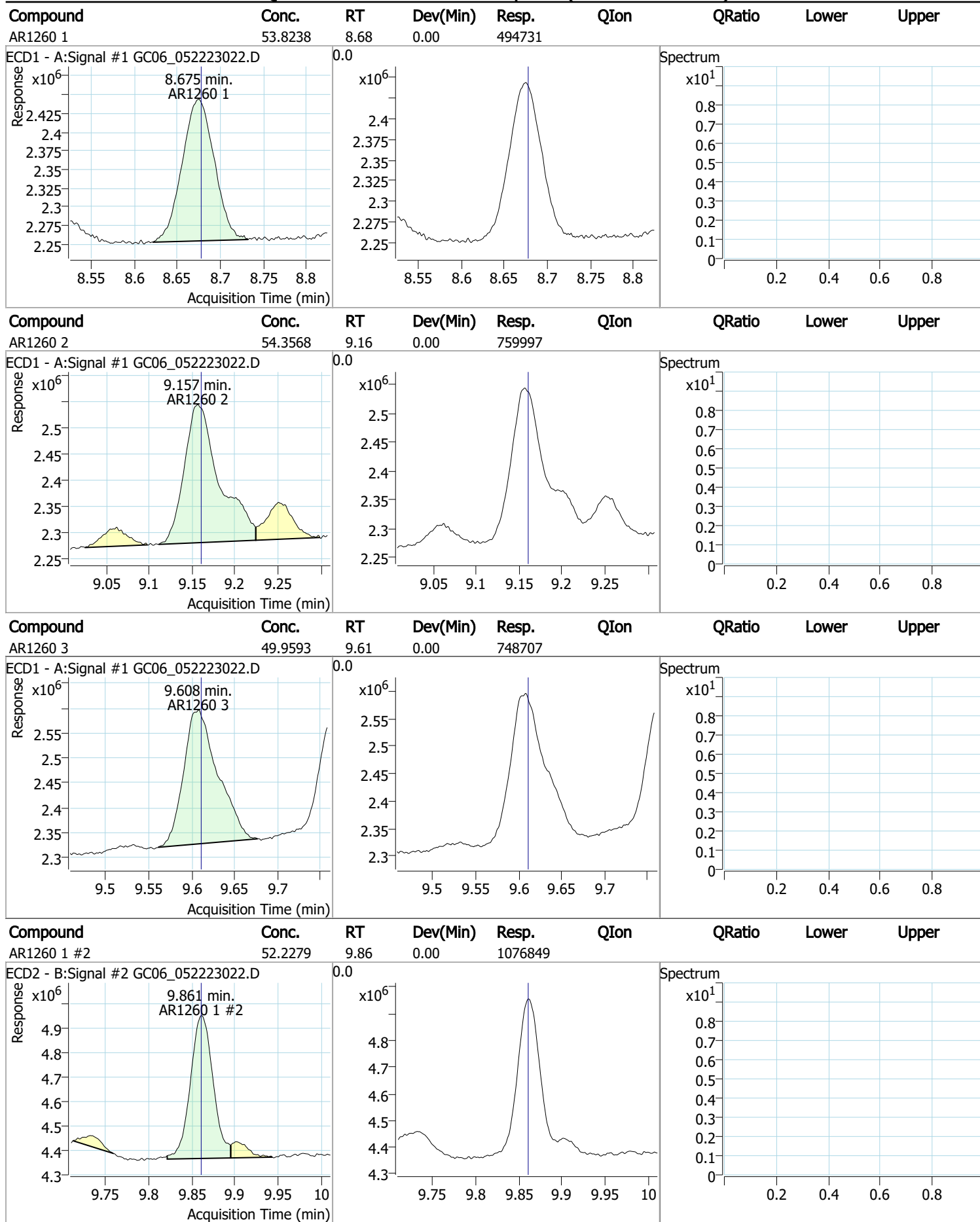
Quantitation Results Report (Not Reviewed)



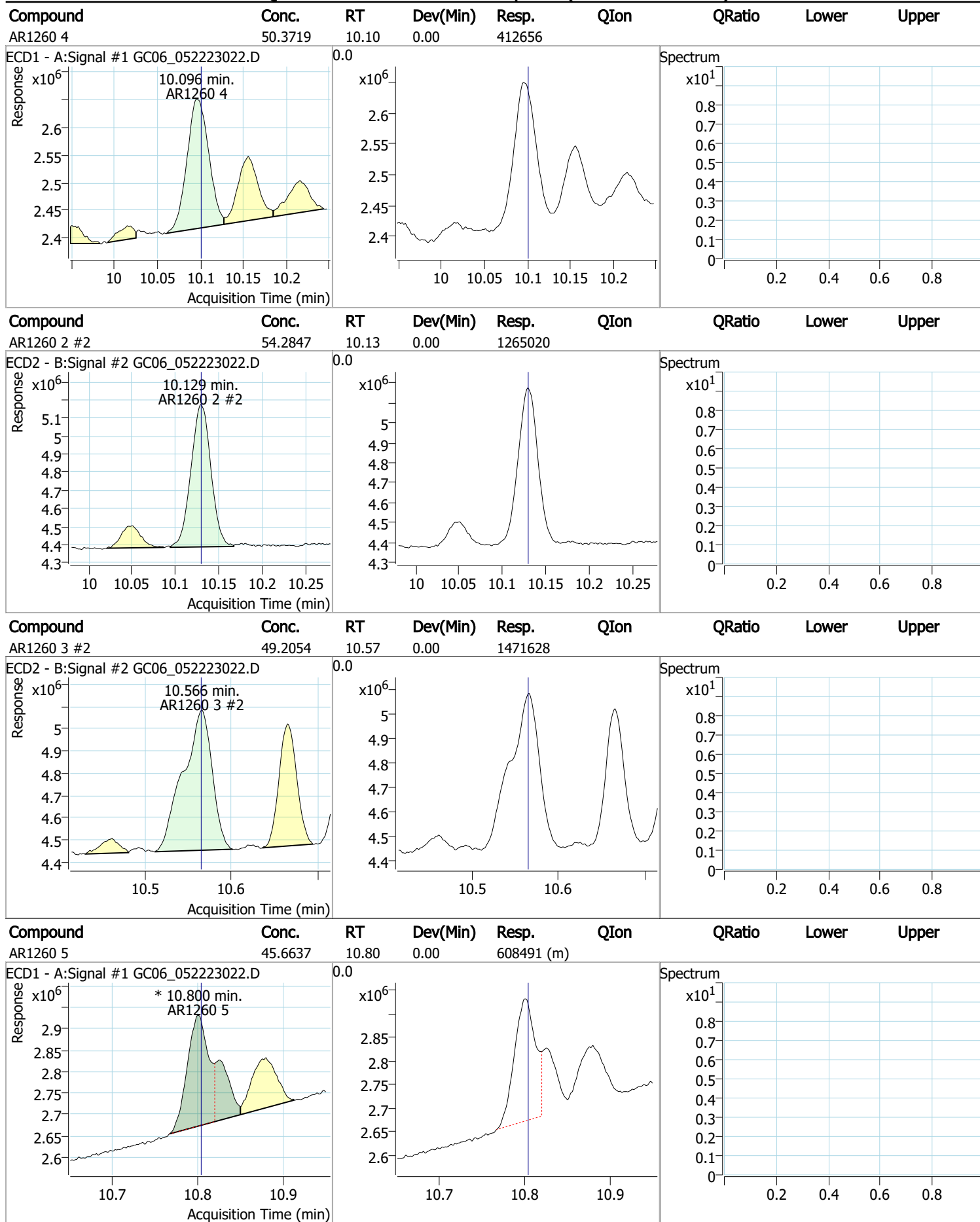
Quantitation Results Report (Not Reviewed)



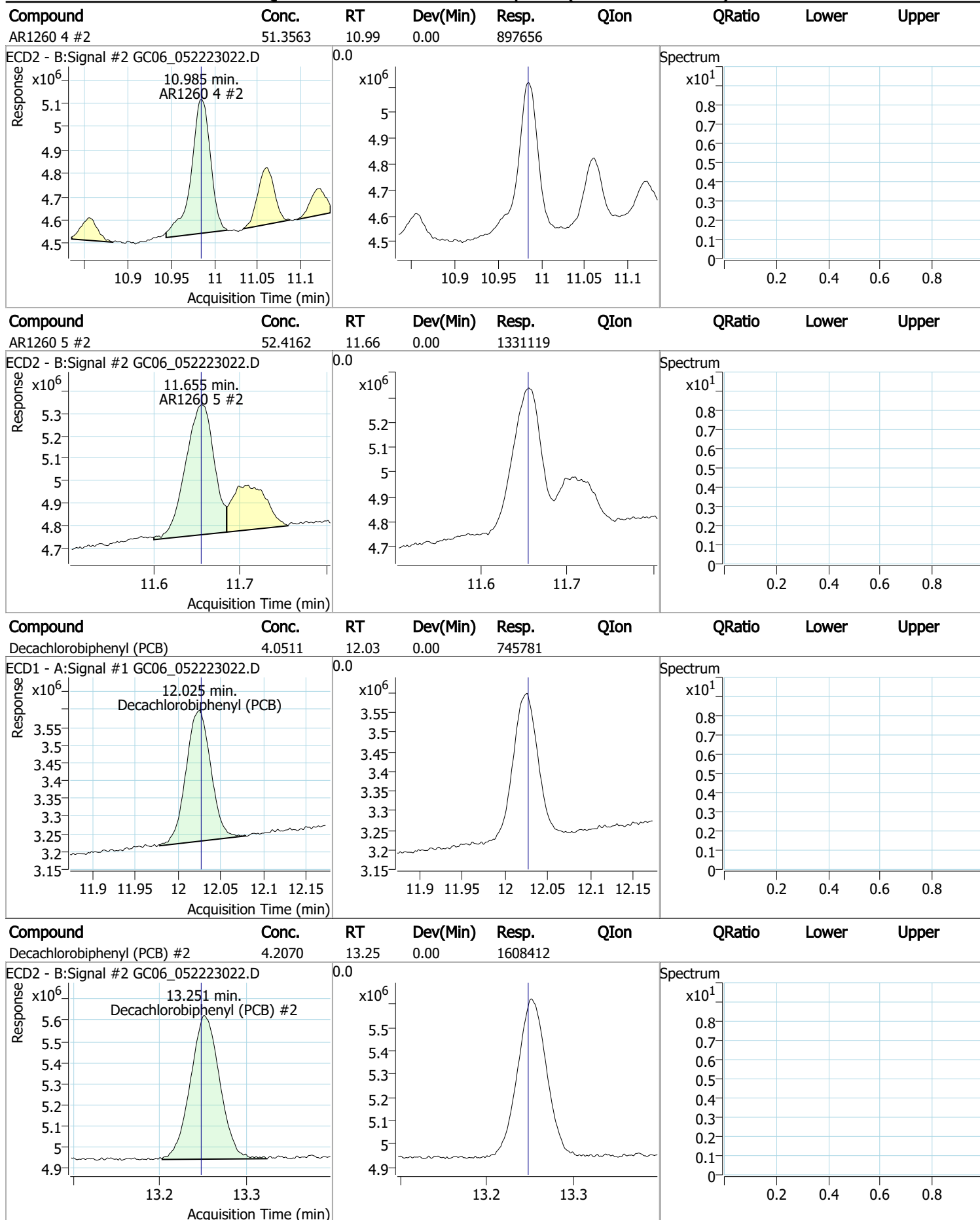
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



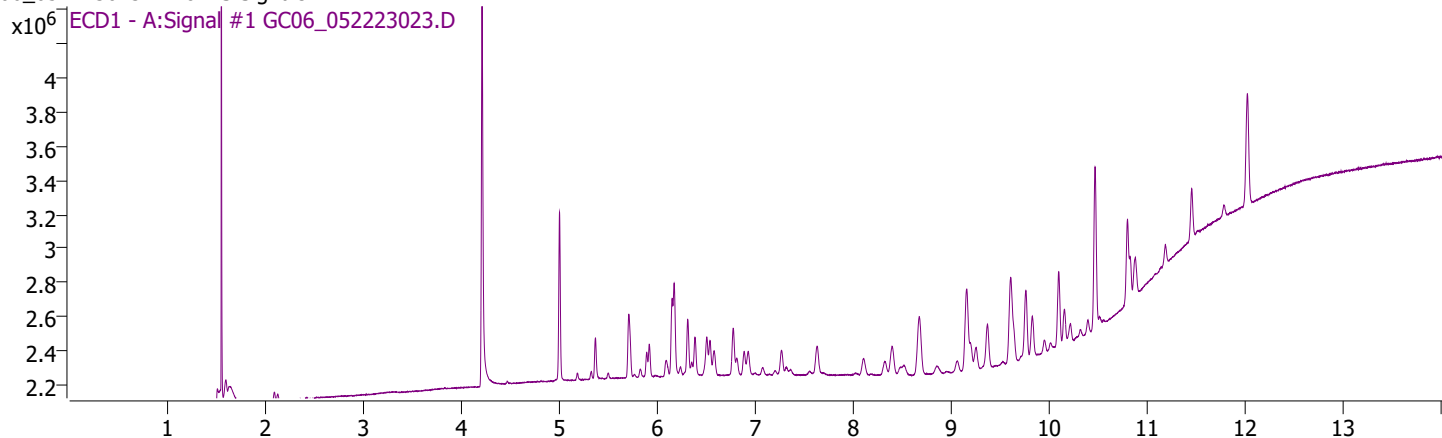
Quantitation Results Report (Not Reviewed)



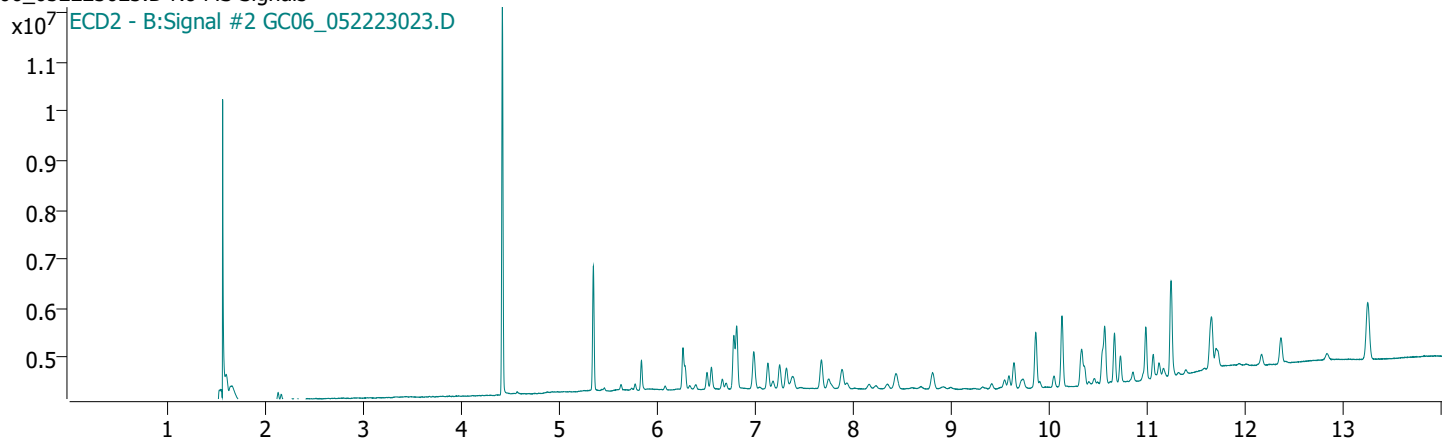
Quantitation Results Report (Not Reviewed)

Data File	GC06_052223023.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 9:01:29 PM
Sample Name	ICAL, S18182	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			

GC06_052223023.D No MS Signals



GC06_052223023.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.211	0.0	2701215.71 5	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	7163845.60 7	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.001	0.0	1100804.57 7	7.6875	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.44%	*	
S TCMX (PCB) #2	5.347	0.0	3053531.36 6	8.0585	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.29%	*	
S Decachlorobiphenyl (PCB)	12.022	0.0	1309504.22 5	7.3245	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 36.62%	*	
S Decachlorobiphenyl (PCB) #2	13.250	0.0	2783991.76 5	7.3991	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 37.00%	*	

Target Compounds

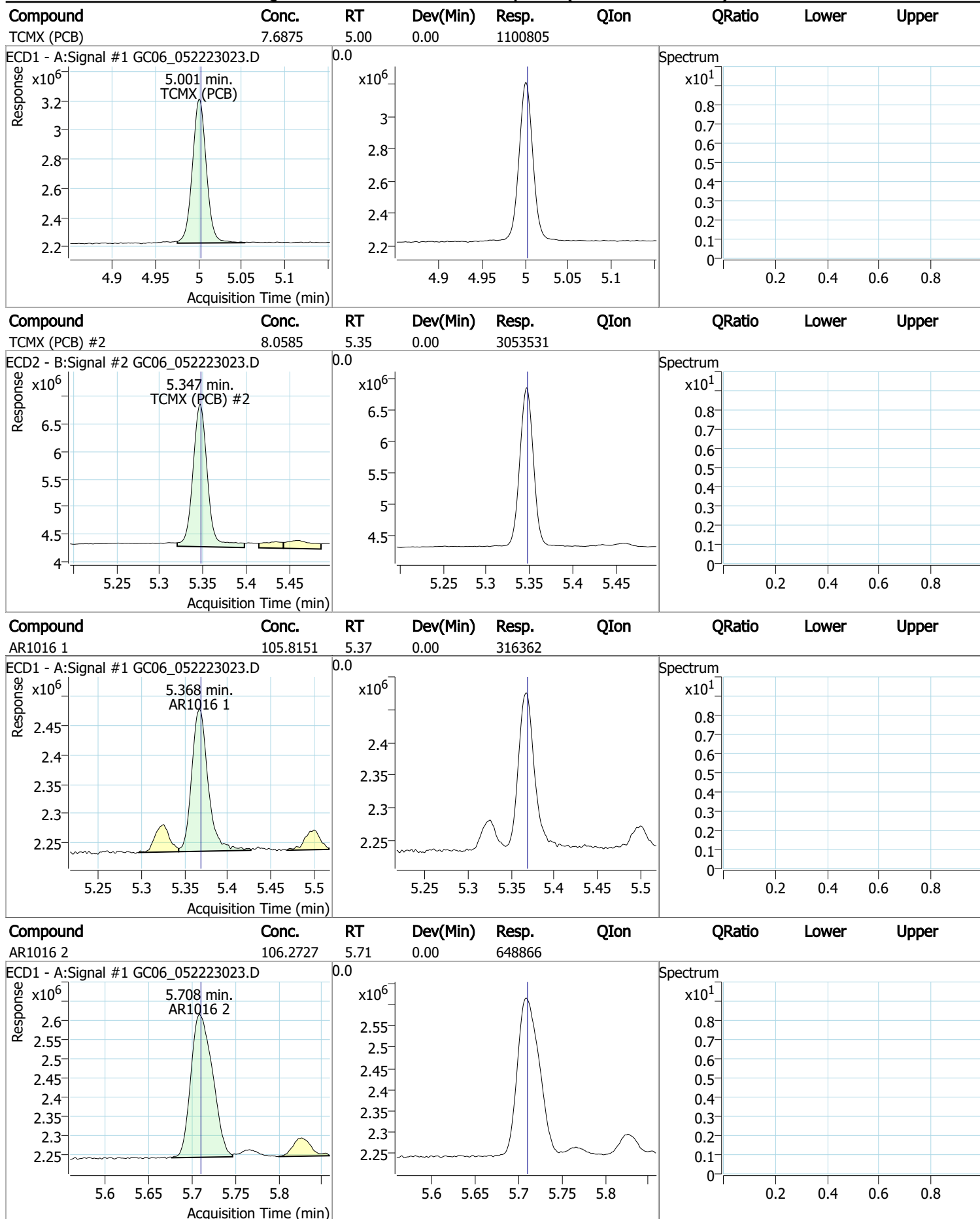
QValue

Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.368	0.0	316361.803	105.8151	ng/ml	100
T AR1016 2	5.708	0.0	648866.250	106.2727	ng/ml	100
T AR1016 1 #2	5.838	0.0	731895.926	98.1882	ng/ml	100
T AR1016 3	6.171	0.0	808506.117	103.8179	ng/ml	100
T AR1016 2 #2	6.261	0.0	1675264.586	100.1250	ng/ml	100
T AR1016 4	6.309	0.0	482906.788	100.6895	ng/ml	100
T AR1016 5	6.504	0.0	393725.344	110.6099	ng/ml	100
T AR1016 3 #2	6.809	0.0	2055068.366	102.1848	ng/ml	100
T AR1016 4 #2	6.983	0.0	1404765.702	96.8751	ng/ml	100
T AR1016 5 #2	7.248	0.0	789709.444	97.2721	ng/ml	100
T AR1260 1	8.673	0.0	921571.490	103.2405	ng/ml	100
T AR1260 2	9.158	0.0	1385465.649	102.0359	ng/ml	100
T AR1260 3	9.606	0.0	1393398.931	95.7404	ng/ml	100
T AR1260 1 #2	9.862	0.0	1964289.571	96.8037	ng/ml	100
T AR1260 4	10.096	0.0	754869.842	94.8827	ng/ml	100
T AR1260 2 #2	10.129	0.0	2335145.468	101.8200	ng/ml	100
T AR1260 3 #2	10.565	0.0	2740598.241	93.1106	ng/ml	100
T AR1260 5	10.798	0.0	1147089.125	88.6400	ng/ml	100
T AR1260 4 #2	10.985	0.0	1673538.389	97.2878	ng/ml	100
T AR1260 5 #2	11.654	0.0	2478591.421	99.1728	ng/ml	100

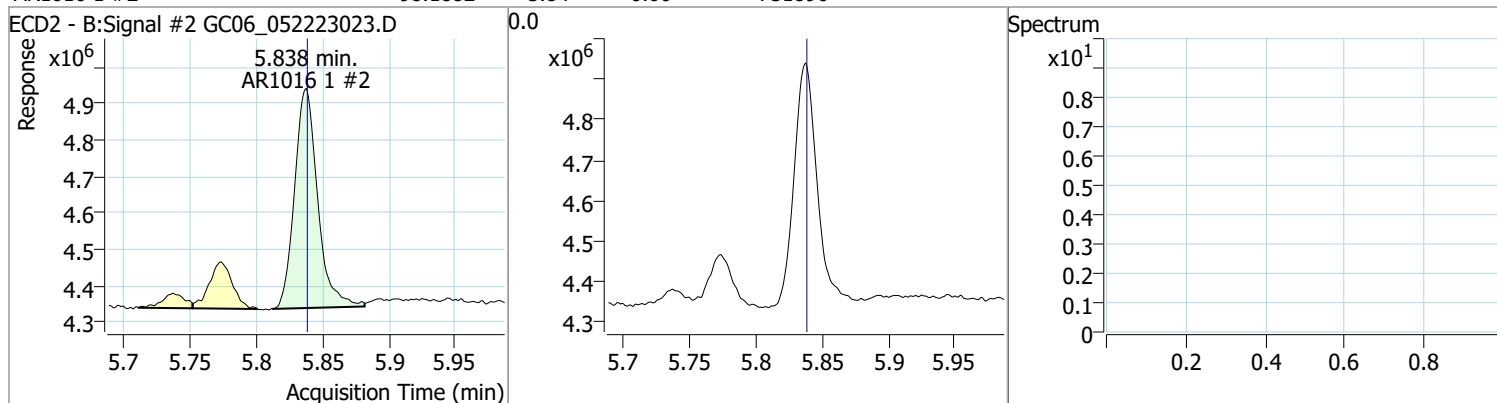
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

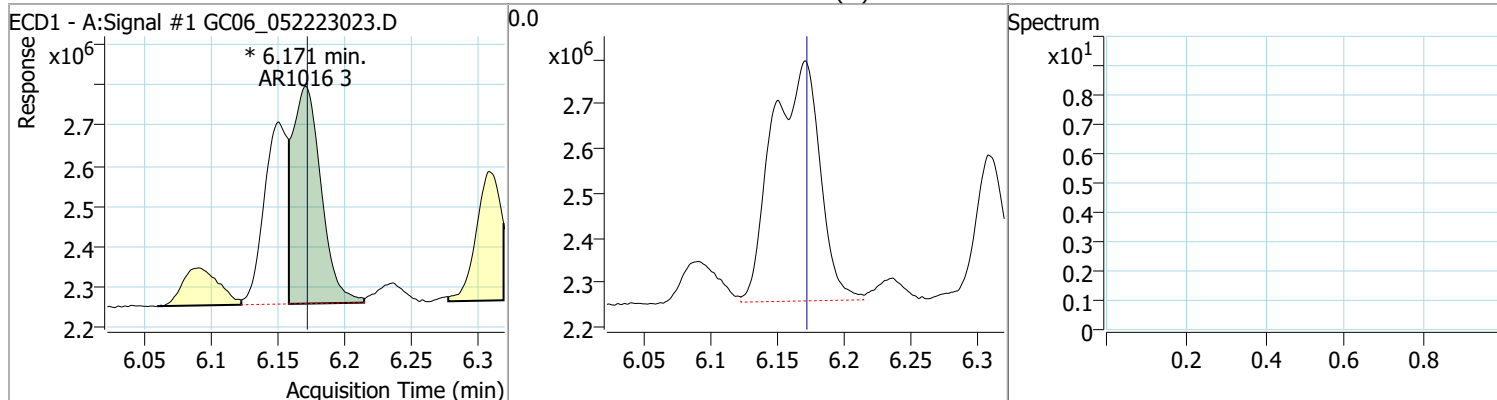


Quantitation Results Report (Not Reviewed)

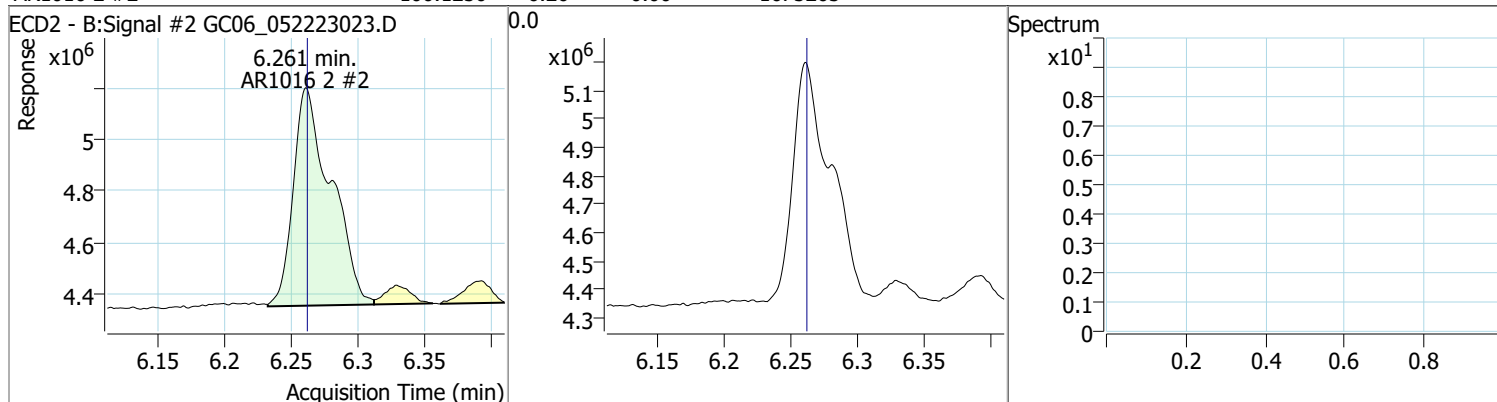
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	98.1882	5.84	0.00	731896				



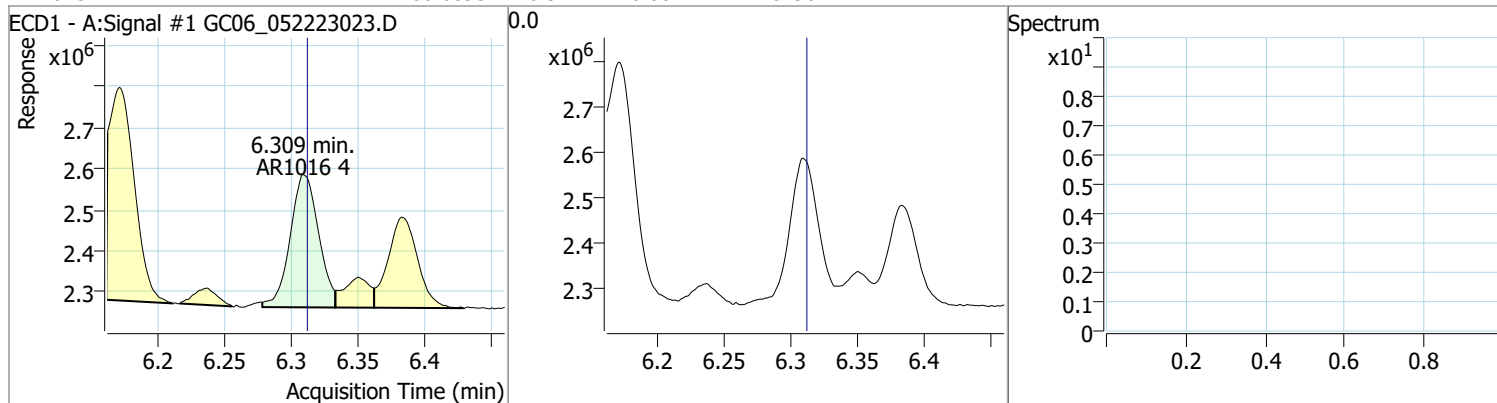
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	103.8179	6.17	0.00	808506 (m)				



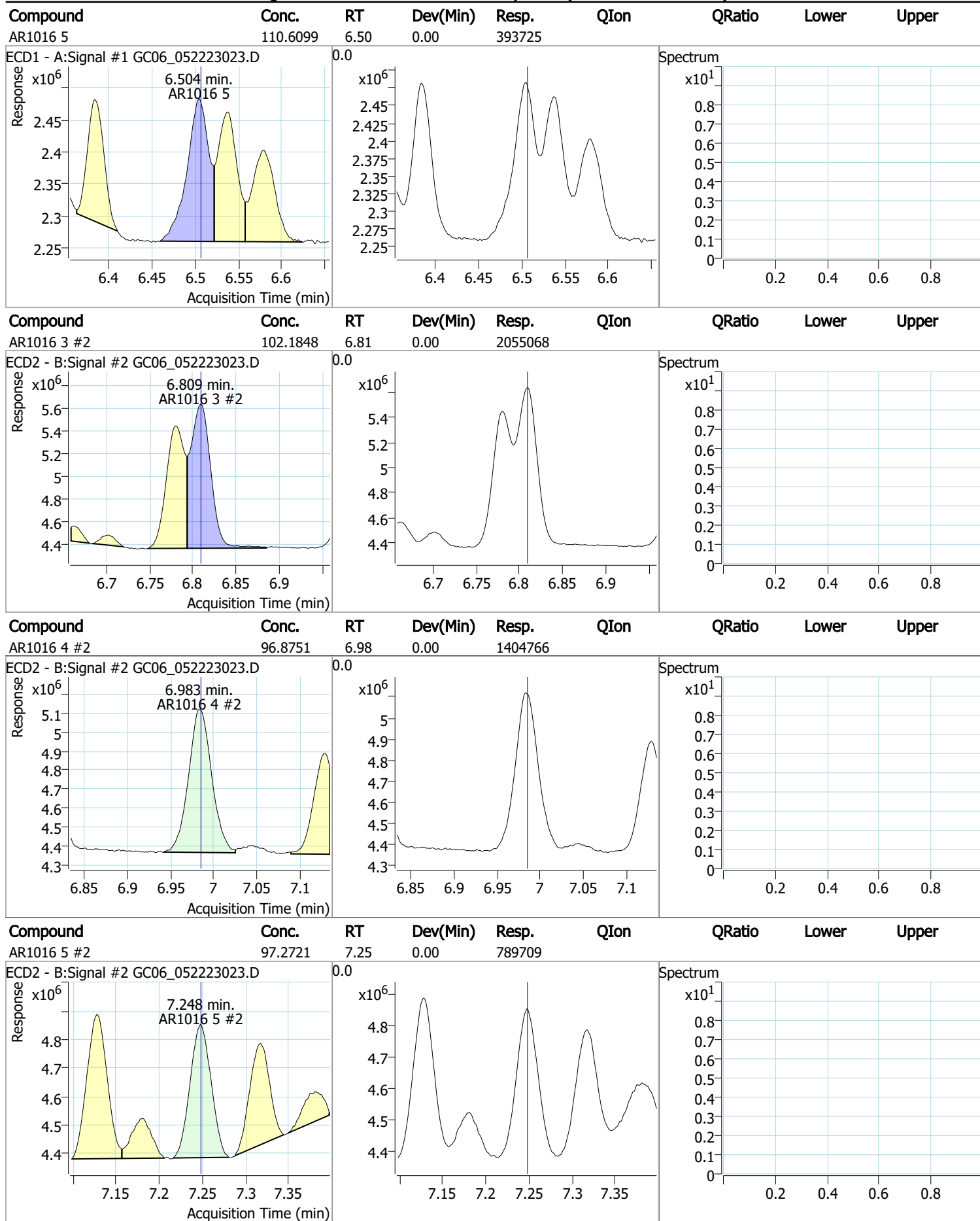
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	100.1250	6.26	0.00	1675265				



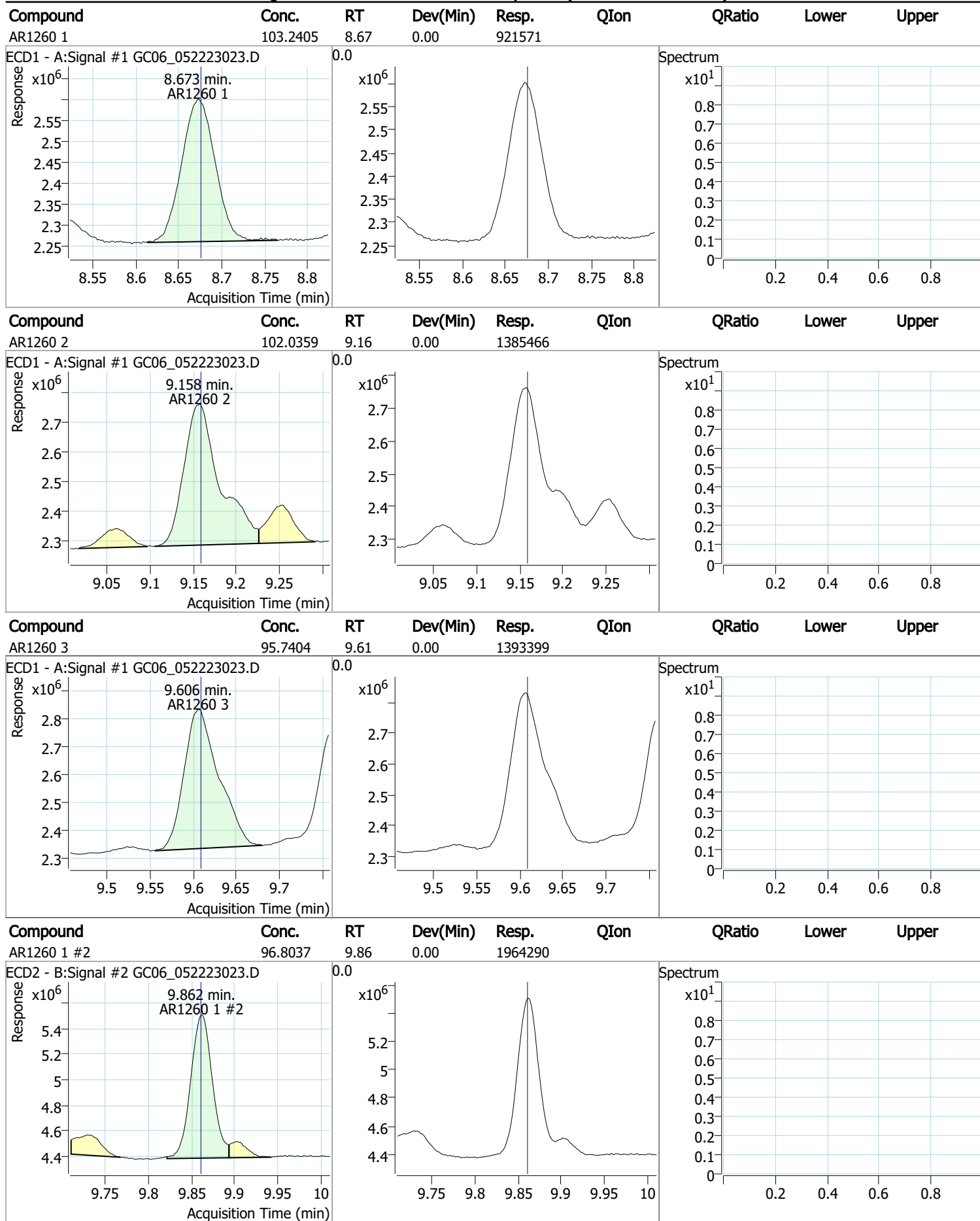
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	100.6895	6.31	0.00	482907				



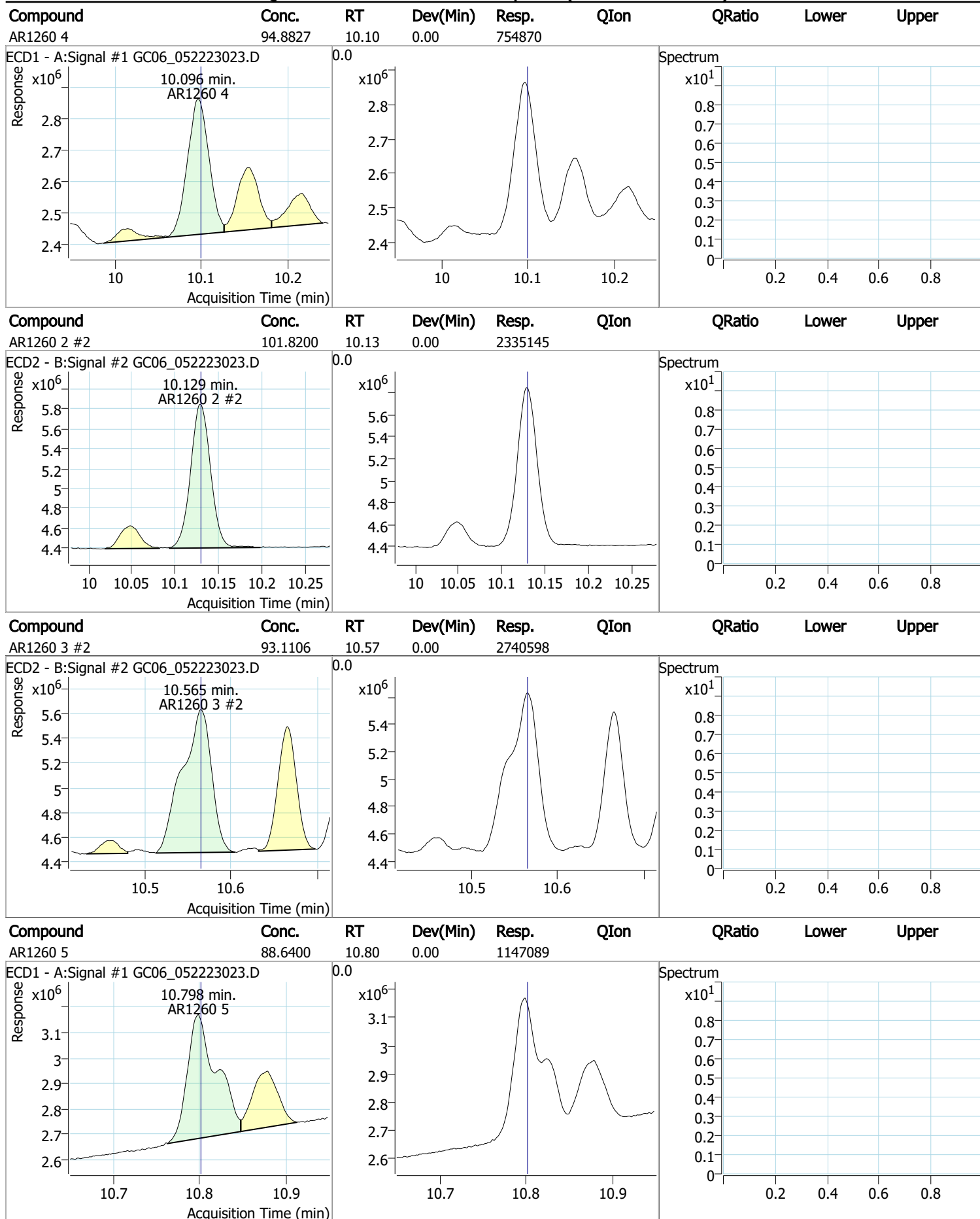
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

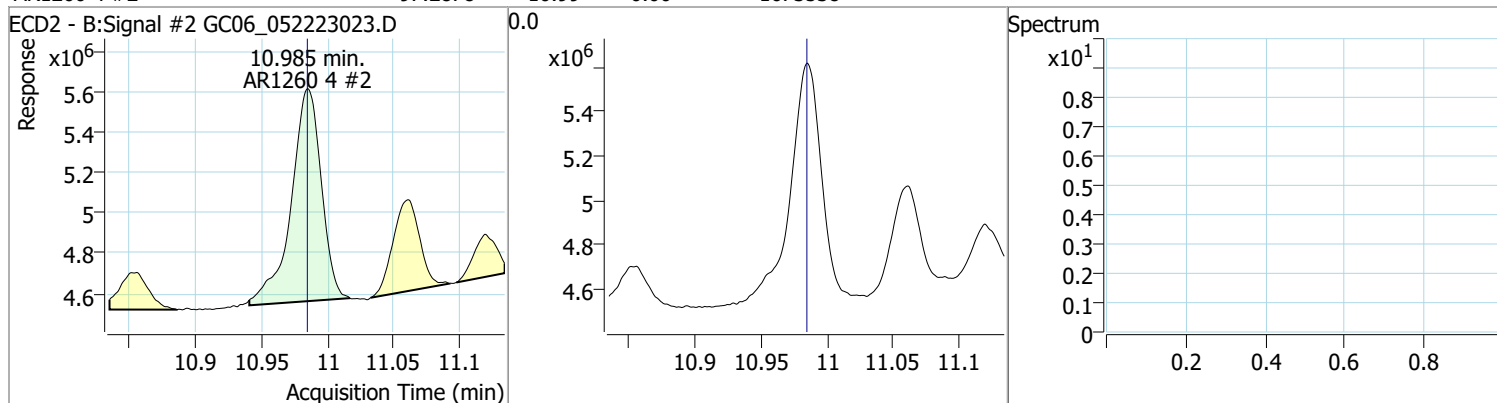


Quantitation Results Report (Not Reviewed)

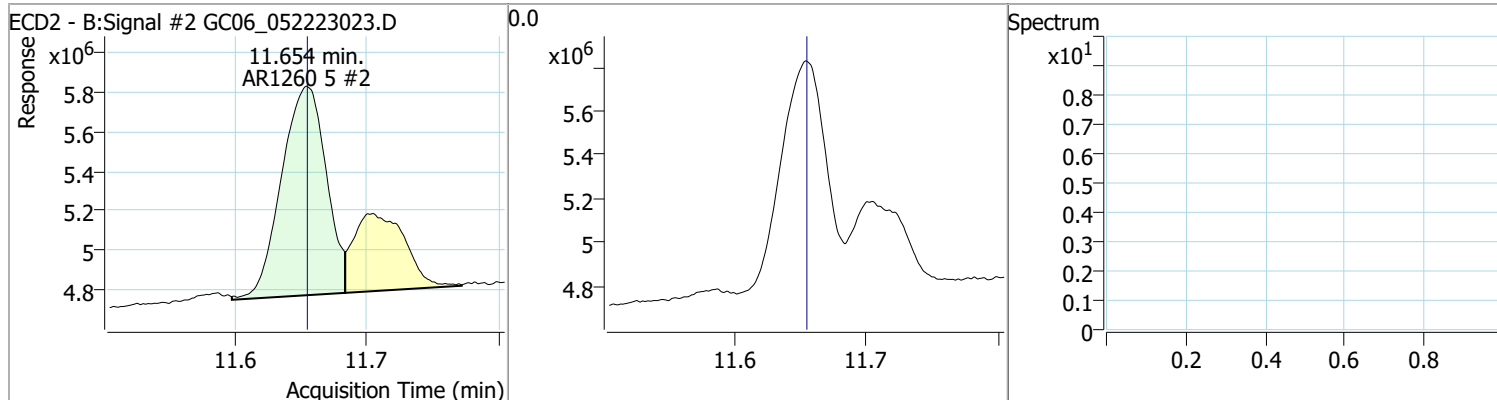


Quantitation Results Report (Not Reviewed)

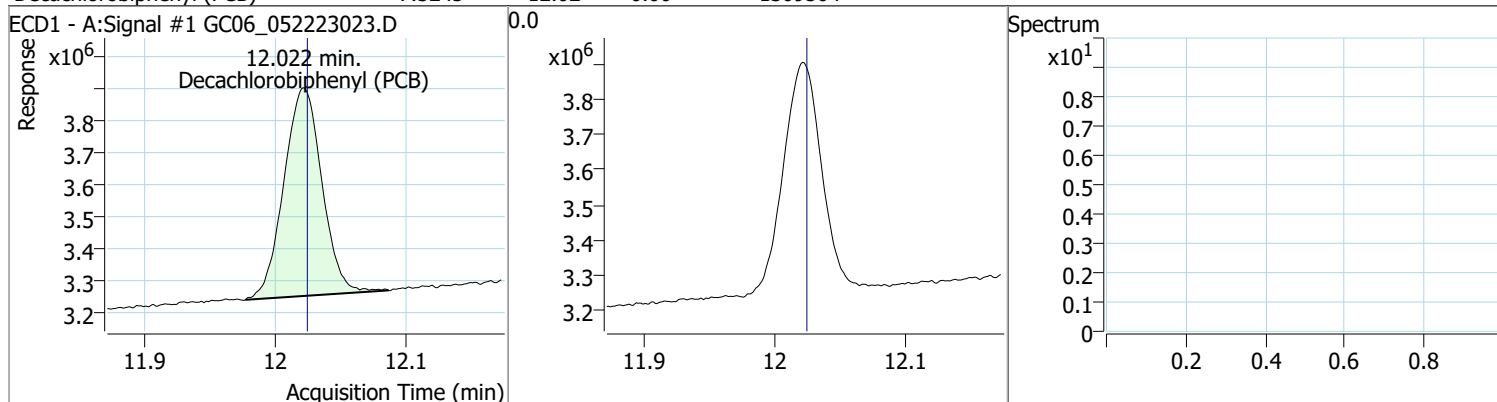
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	97.2878	10.99	0.00	1673538				



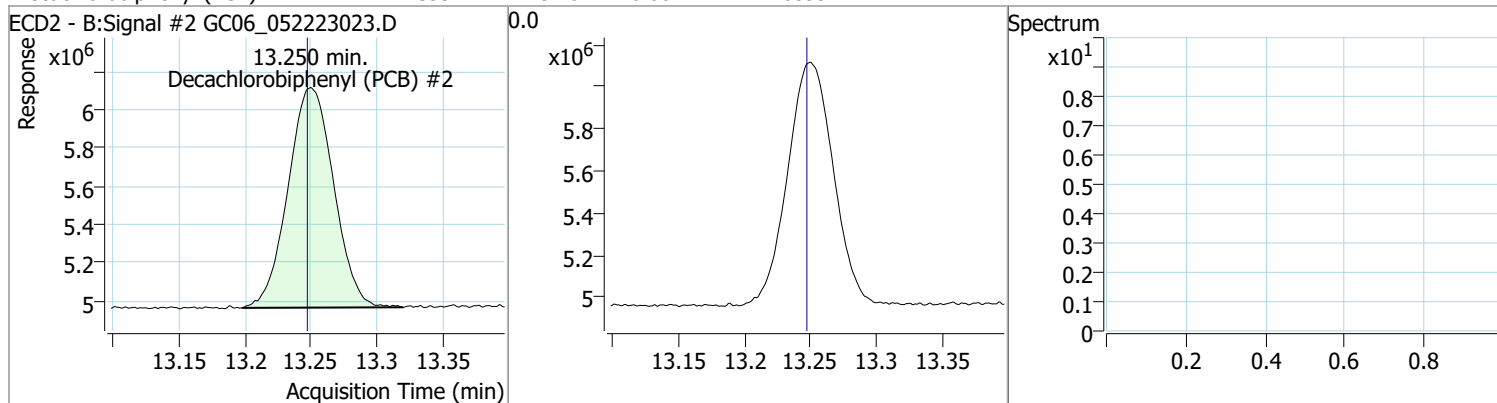
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	99.1728	11.65	0.00	2478591				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	7.3245	12.02	0.00	1309504				

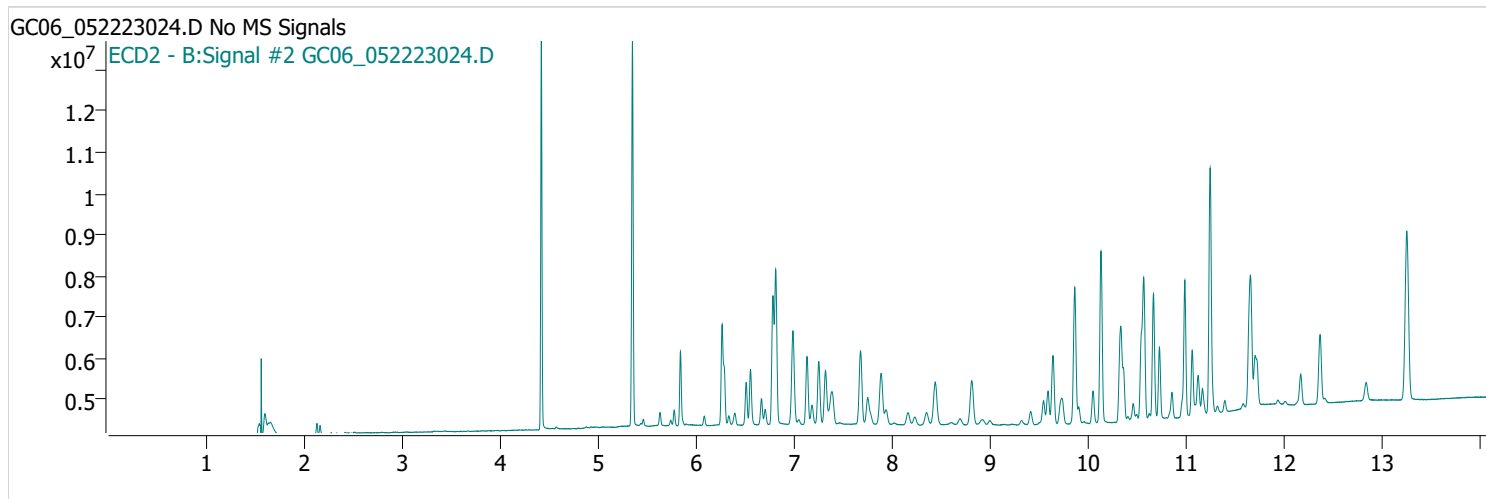
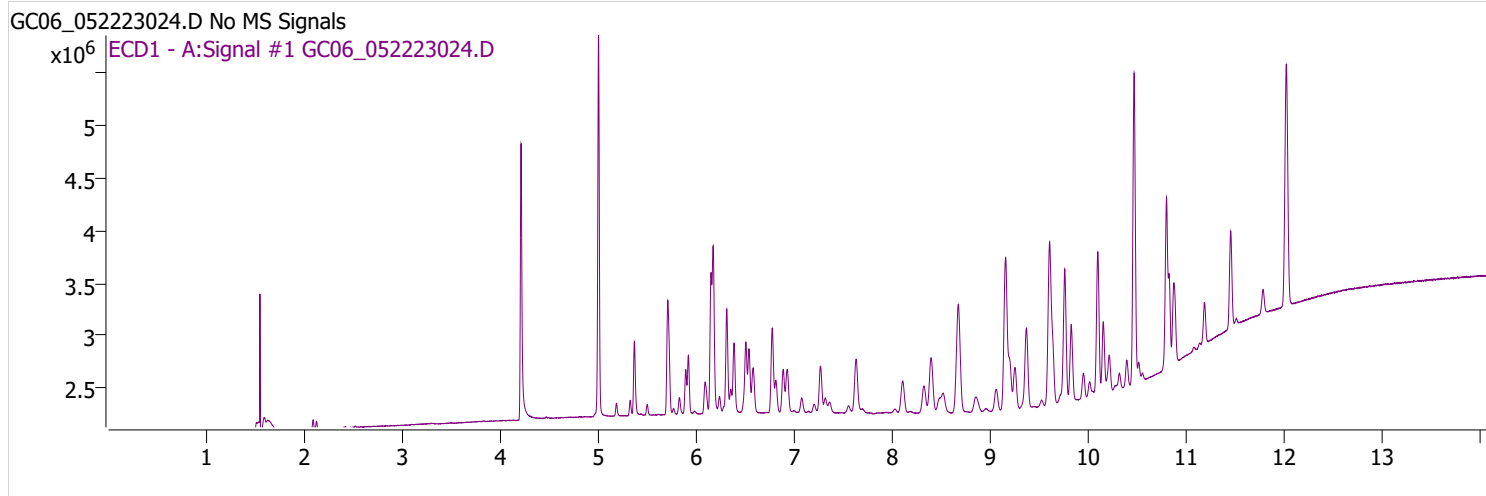


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	7.3991	13.25	0.00	2783992				



Quantitation Results Report (Not Reviewed)

Data File	GC06_052223024.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 9:19:49 PM
Sample Name	ICAL, S18183	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	3136143.42 7	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	8348445.36 3	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.001	0.0	4044893.27 1	24.3303	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 121.65%		
S TCMX (PCB) #2	5.348	0.0	10185652.5 33	23.0664	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.33%		
S Decachlorobiphenyl (PCB)	12.021	0.0	4744254.84 7	22.8562	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 114.28%		
S Decachlorobiphenyl (PCB) #2	13.251	0.0	10006446.5 61	22.8209	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 114.10%		

Target Compounds

QValue

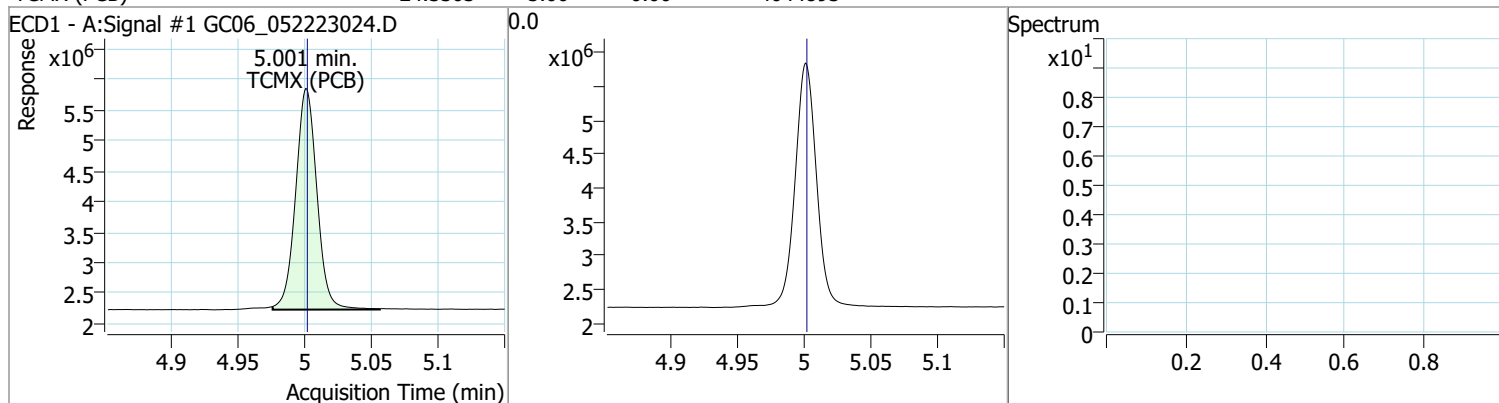
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.367	0.0	936484.508	269.7910	ng/ml	100
T AR1016 2	5.708	0.0	1884947.854	265.9067	ng/ml	100
T AR1016 1 #2	5.838	0.0	2238072.148	257.6467	ng/ml	100
T AR1016 3	6.171	0.0	2399825.850	265.4190	ng/ml m	100
T AR1016 2 #2	6.263	0.0	4915000.875	252.0712	ng/ml	100
T AR1016 4	6.310	0.0	1451202.229	260.6226	ng/ml	100
T AR1016 5	6.504	0.0	1122667.609	271.6534	ng/ml	100
T AR1016 3 #2	6.809	0.0	6155247.343	262.6312	ng/ml	100
T AR1016 4 #2	6.985	0.0	4346212.881	257.1933	ng/ml	100
T AR1016 5 #2	7.249	0.0	2507043.778	264.9863	ng/ml	100
T AR1260 1	8.673	0.0	2777992.308	268.0497	ng/ml	100
T AR1260 2	9.157	0.0	4275197.530	271.1918	ng/ml	100
T AR1260 3	9.605	0.0	4289839.545	253.8774	ng/ml	100
T AR1260 1 #2	9.862	0.0	6044954.821	255.6348	ng/ml	100
T AR1260 4	10.097	0.0	2431958.450	263.2901	ng/ml	100
T AR1260 2 #2	10.129	0.0	7114255.728	266.1884	ng/ml	100
T AR1260 3 #2	10.565	0.0	8510147.506	248.1026	ng/ml	100
T AR1260 5	10.798	0.0	3929741.042	261.5532	ng/ml	100
T AR1260 4 #2	10.985	0.0	5124485.687	255.6312	ng/ml	100
T AR1260 5 #2	11.654	0.0	7656893.369	262.8942	ng/ml	100

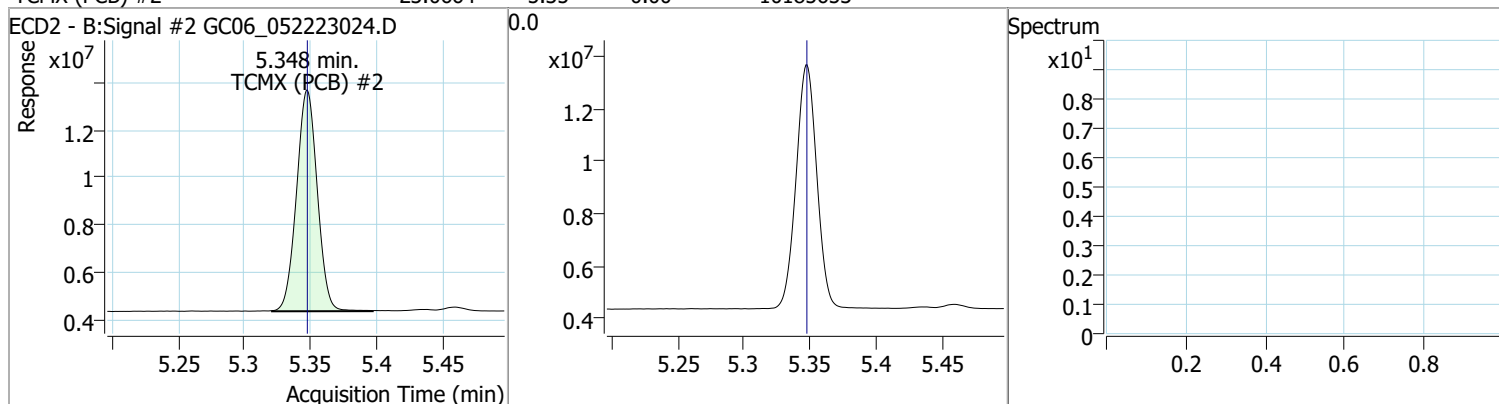
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

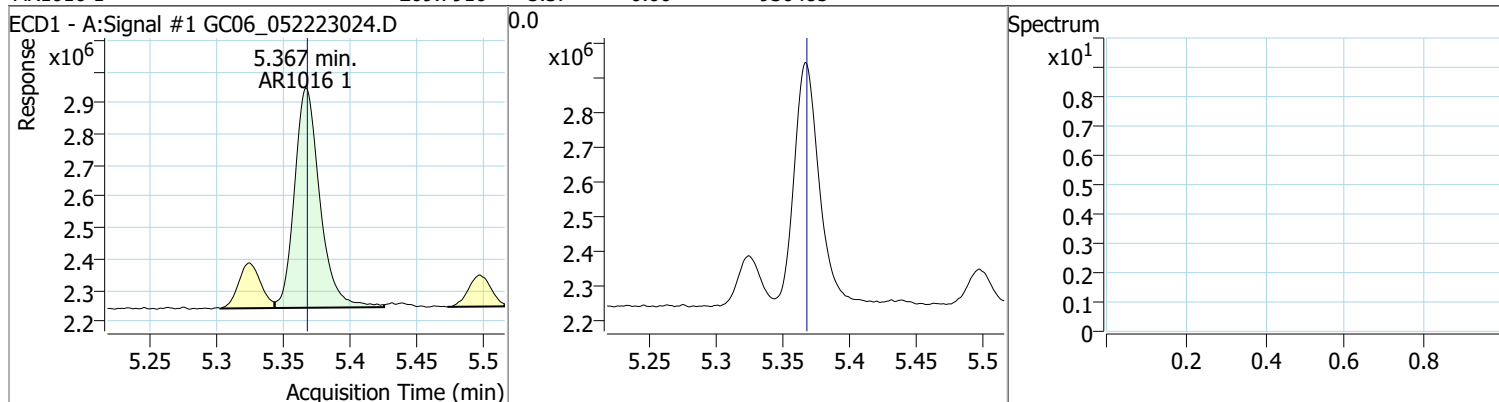
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.3303	5.00	0.00	4044893				



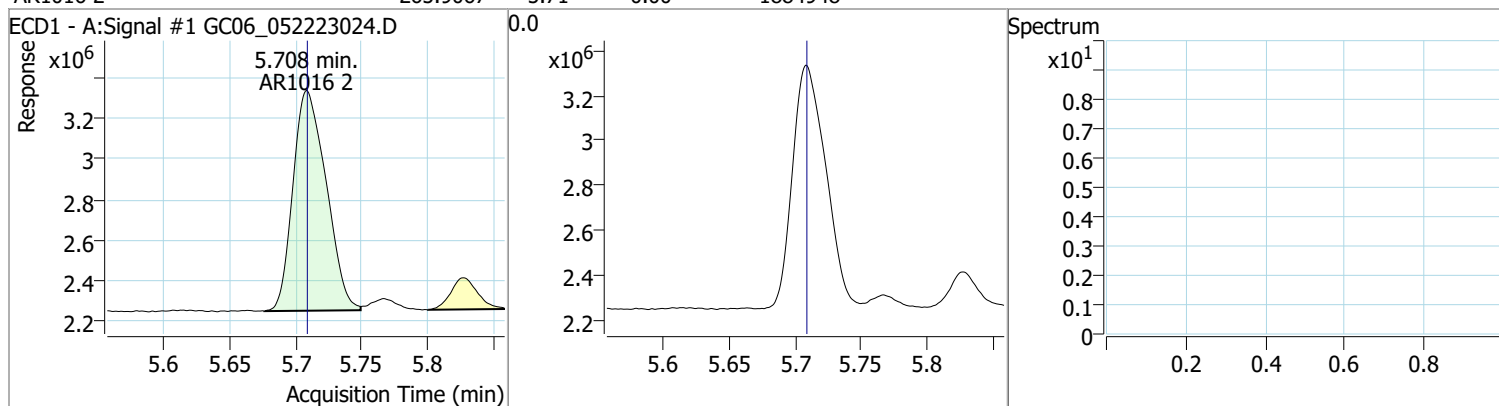
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	23.0664	5.35	0.00	10185653				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	269.7910	5.37	0.00	936485				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	265.9067	5.71	0.00	1884948				

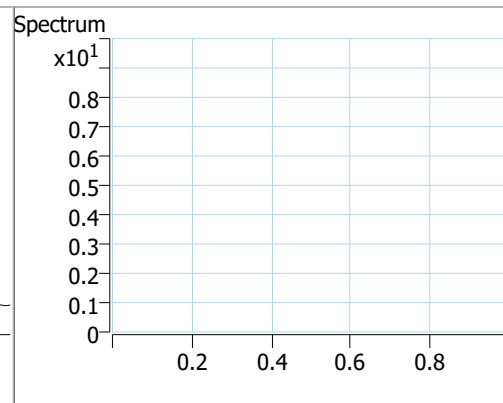
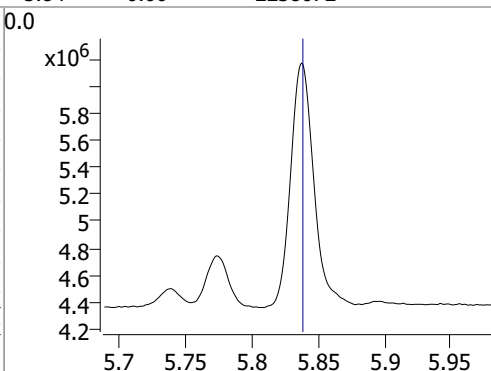
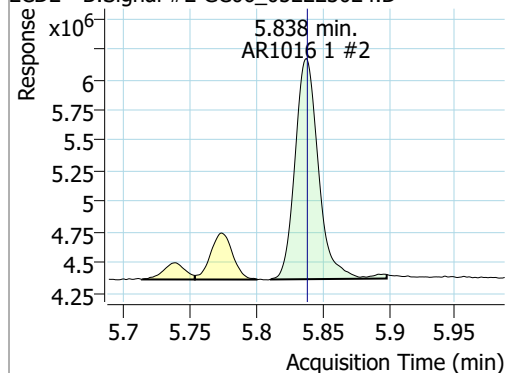


Quantitation Results Report (Not Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 1 #2 257.6467 5.84 0.00 2238072

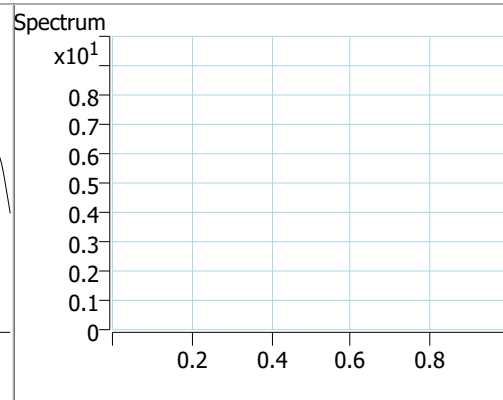
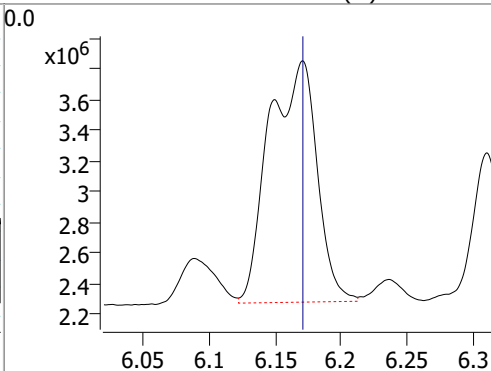
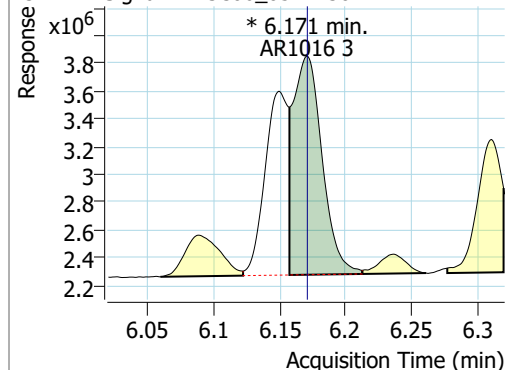
ECD2 - B:Signal #2 GC06_052223024.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 3 265.4190 6.17 0.00 2399826 (m)

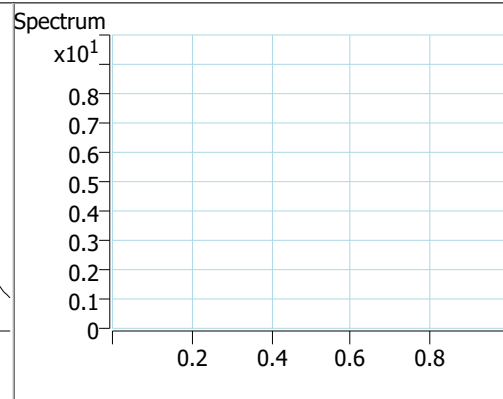
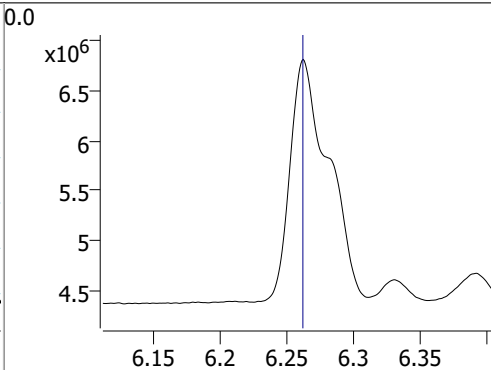
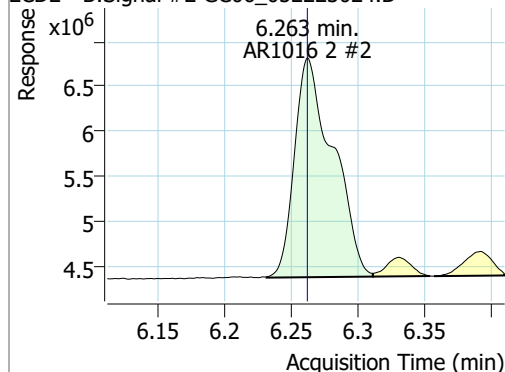
ECD1 - A:Signal #1 GC06_052223024.D



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 2 #2 252.0712 6.26 0.00 4915001

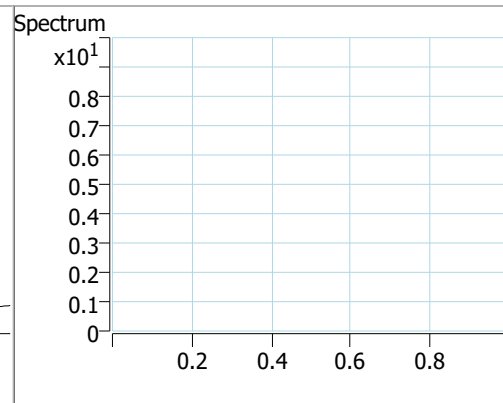
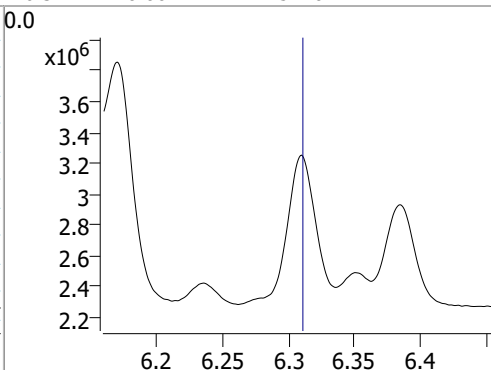
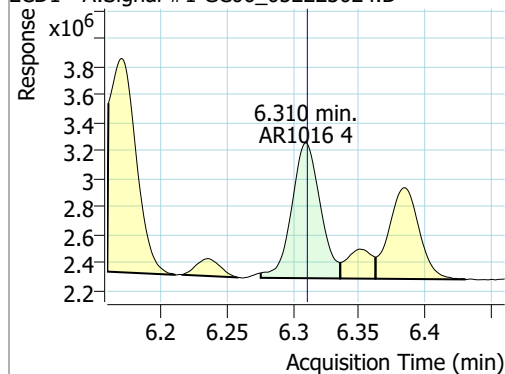
ECD2 - B:Signal #2 GC06_052223024.D



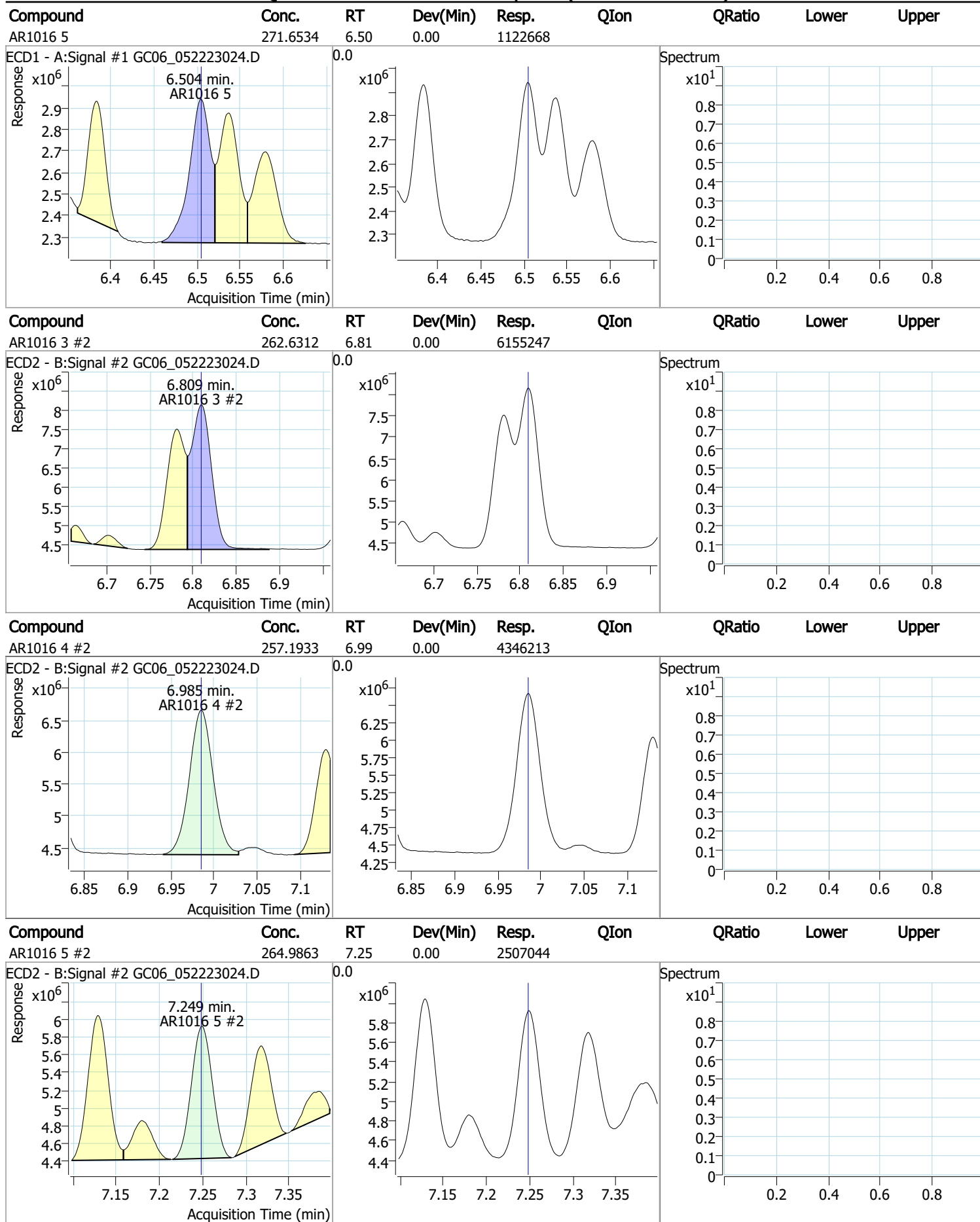
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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AR1016 4 260.6226 6.31 0.00 1451202

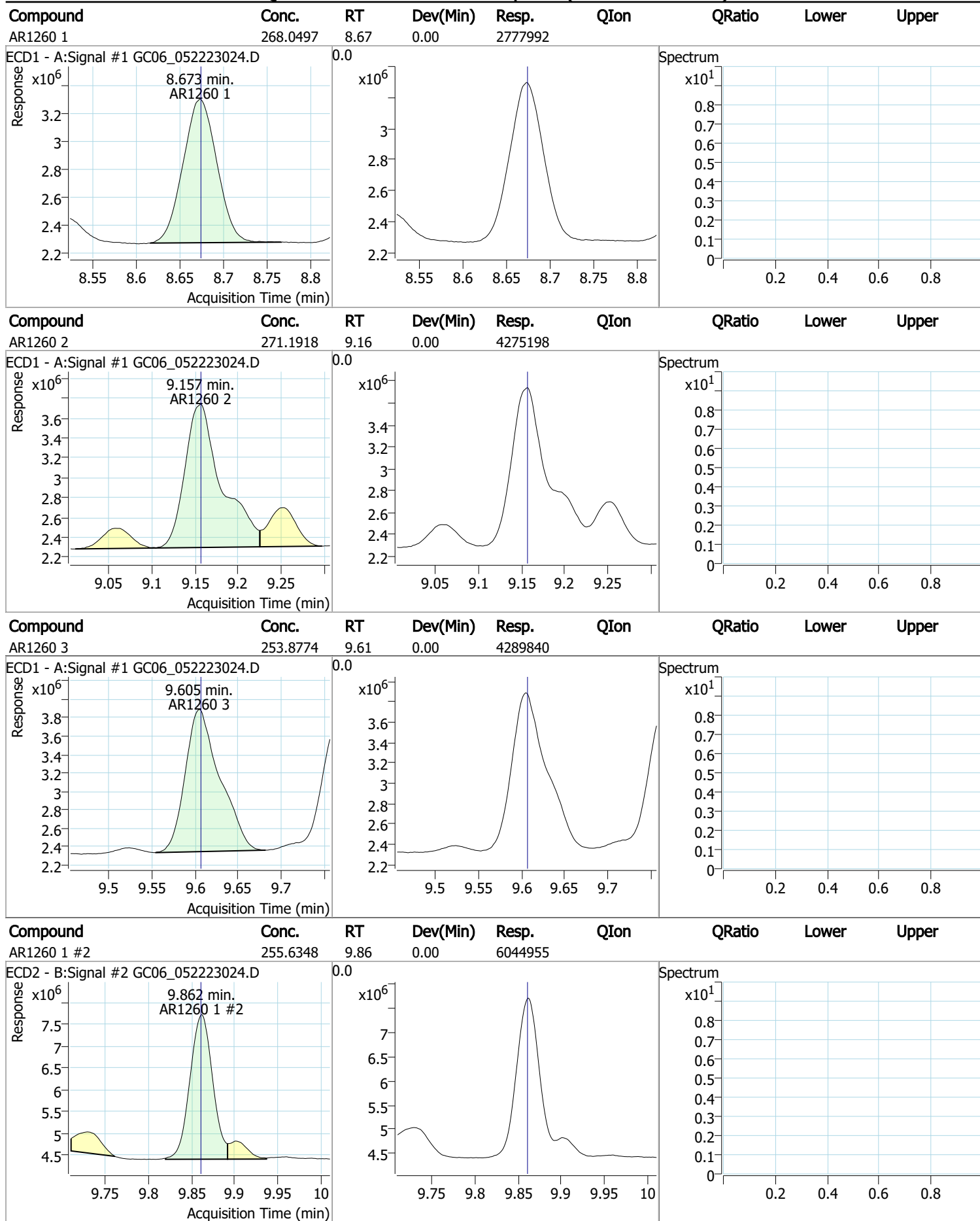
ECD1 - A:Signal #1 GC06_052223024.D



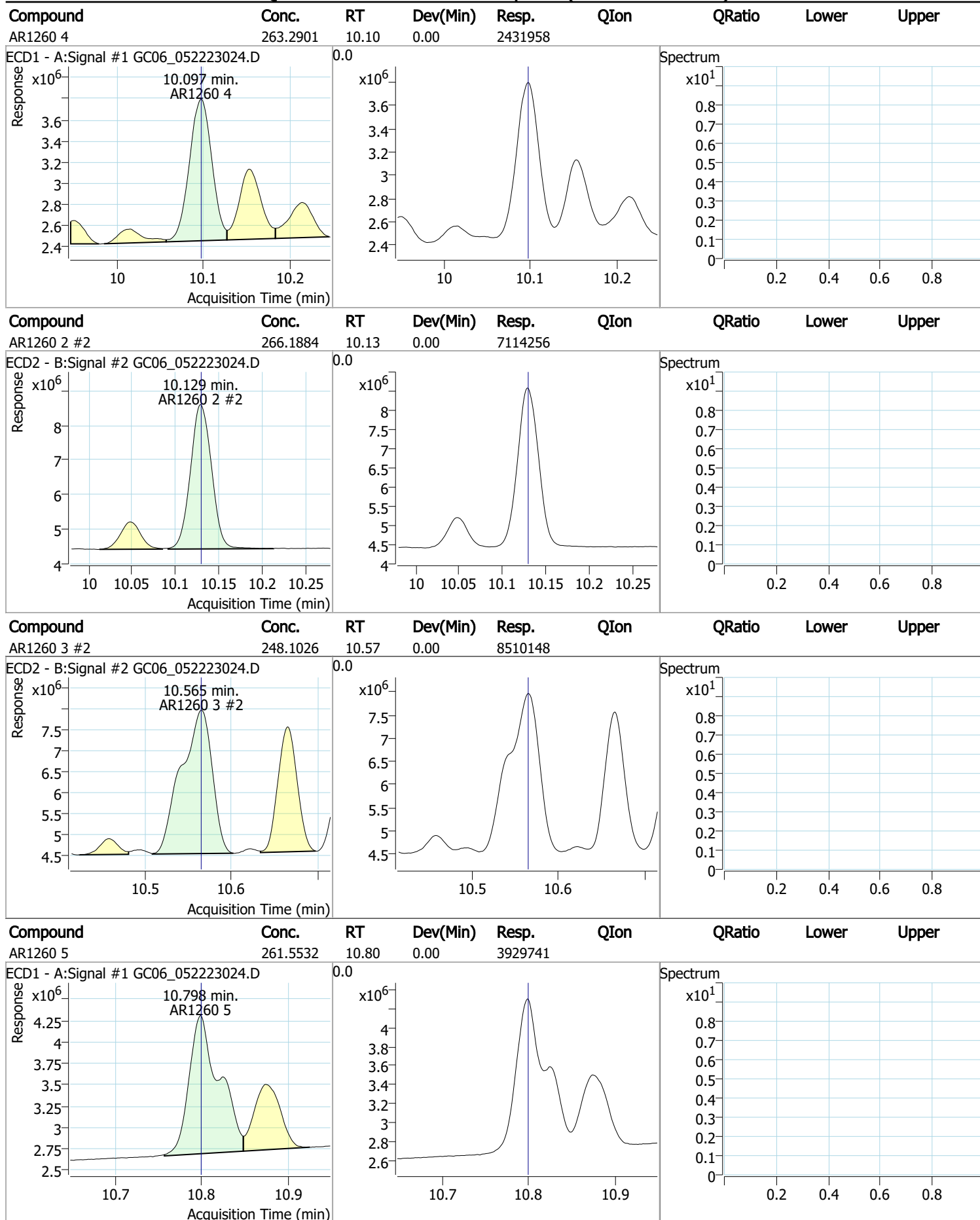
Quantitation Results Report (Not Reviewed)



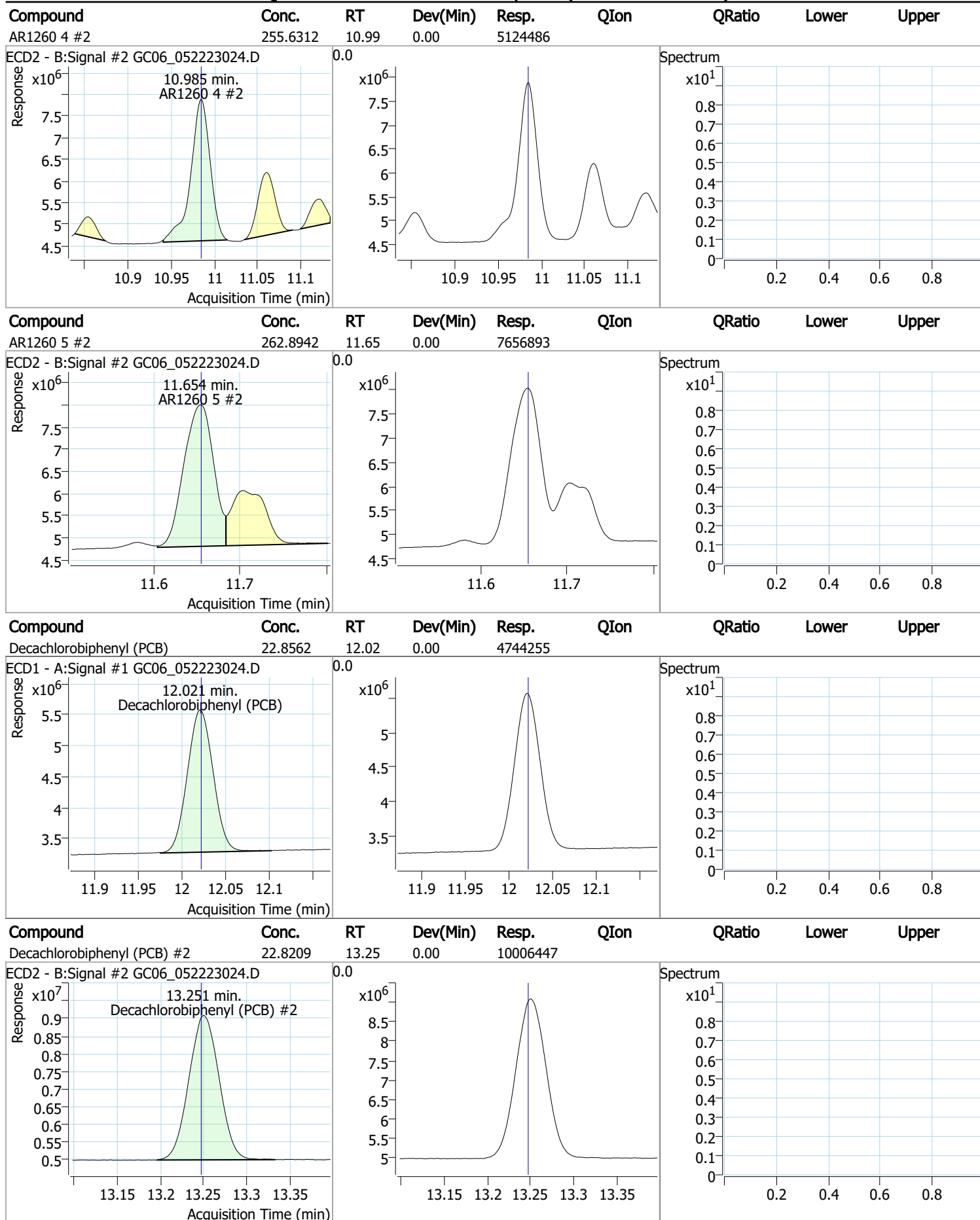
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

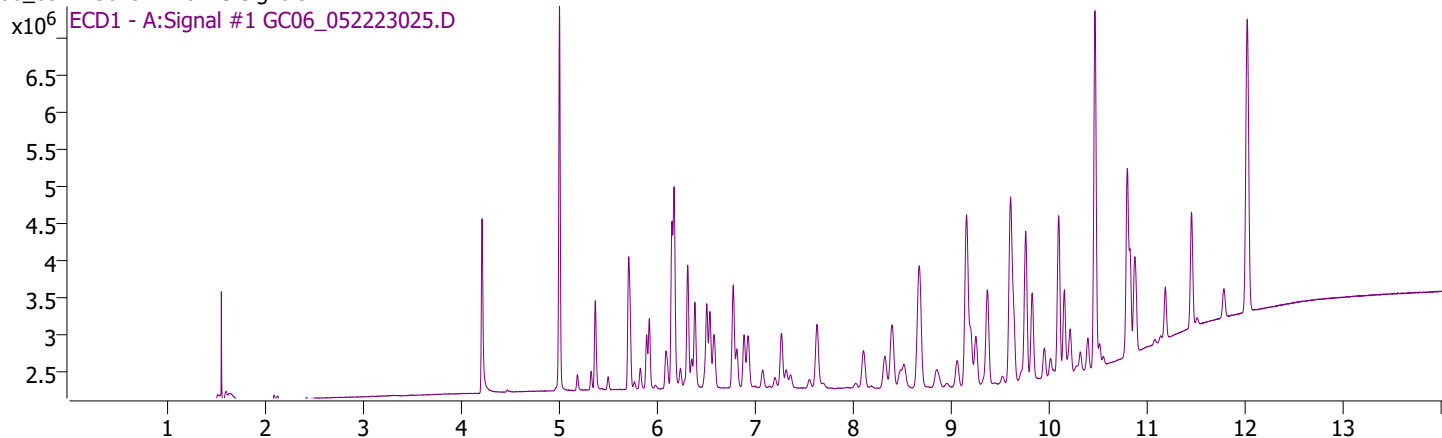


Quantitation Results Report (Not Reviewed)

Data File	GC06_052223025.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 9:38:04 PM
Sample Name	ICAL, S18184	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			

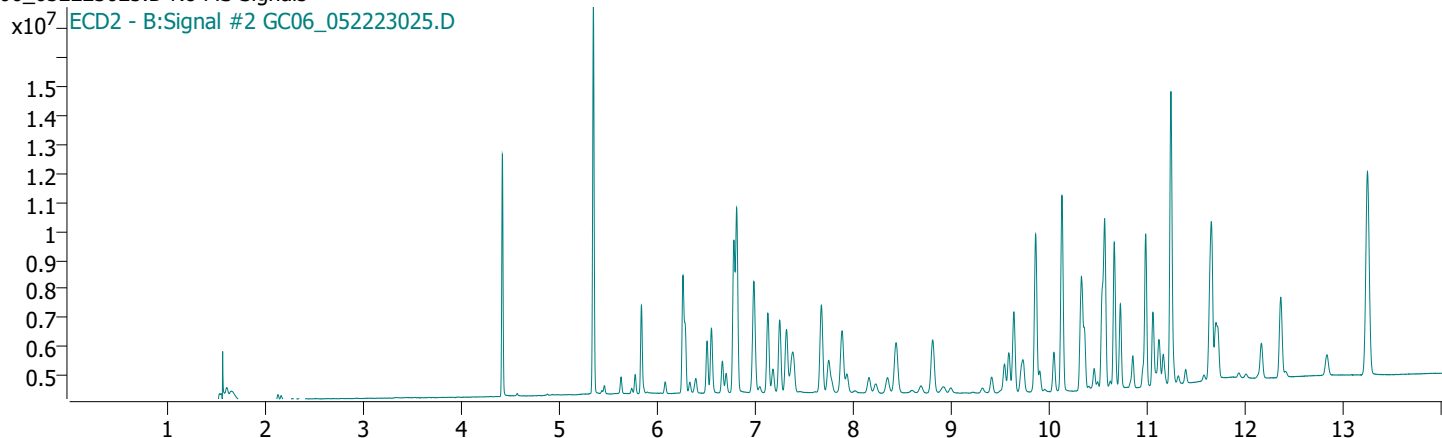
GC06_052223025.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_052223025.D



GC06_052223025.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_052223025.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	2909160.850	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	7736690.508	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.001	0.0	5698436.221	36.9508	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.75%		*
S TCMX (PCB) #2	5.347	0.0	14422780.515	35.2444	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.22%		*
S Decachlorobiphenyl (PCB)	12.021	0.0	8235314.071	42.7706	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.85%		*
S Decachlorobiphenyl (PCB) #2	13.248	0.0	17429121.972	42.8923	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.46%		*

Target Compounds

QValue

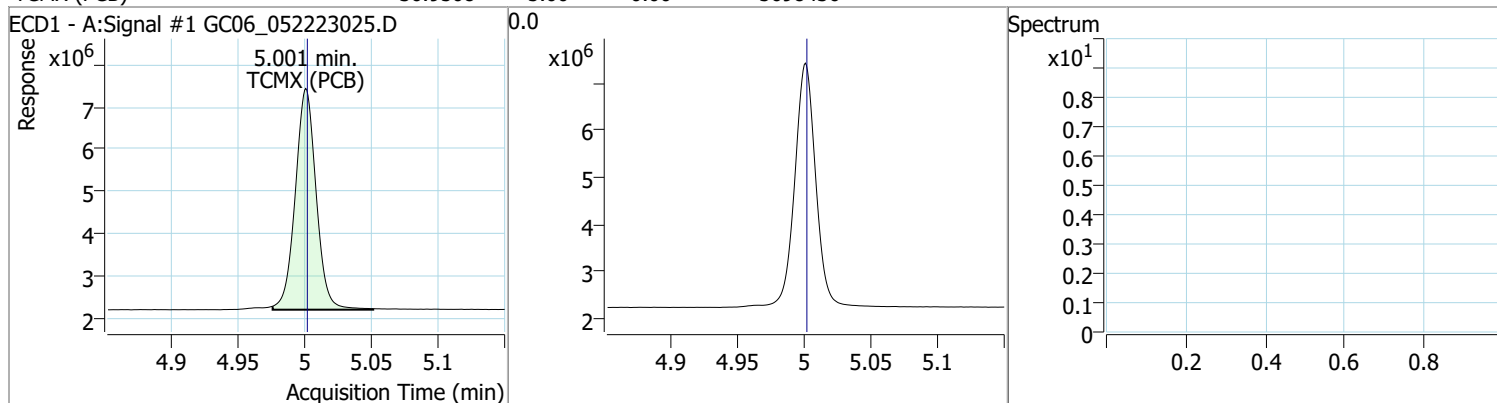
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.367	0.0	1587697.38 1	493.0862	ng/ml	100
T AR1016 2	5.708	0.0	3194236.38 5	485.7638	ng/ml	100
T AR1016 1 #2	5.838	0.0	3863996.18 3	479.9959	ng/ml	100
T AR1016 3	6.170	0.0	4069268.05 4	485.1731	ng/ml m	100
T AR1016 2 #2	6.262	0.0	8381400.78 3	463.8384	ng/ml	100
T AR1016 4	6.310	0.0	2478271.10 2	479.8010	ng/ml	100
T AR1016 5	6.504	0.0	1917743.49 8	500.2449	ng/ml	100
T AR1016 3 #2	6.809	0.0	10472814.8 79	482.1860	ng/ml	100
T AR1016 4 #2	6.985	0.0	7430722.95 1	474.4934	ng/ml	100
T AR1016 5 #2	7.248	0.0	4251602.20 1	484.9138	ng/ml	100
T AR1260 1	8.673	0.0	4542854.82 9	472.5429	ng/ml	100
T AR1260 2	9.156	0.0	6987477.53 9	477.8252	ng/ml	100
T AR1260 3	9.606	0.0	7059312.16 9	450.3742	ng/ml	100
T AR1260 1 #2	9.861	0.0	10000980.9 37	456.3729	ng/ml	100
T AR1260 4	10.096	0.0	4024736.51 9	469.7254	ng/ml	100
T AR1260 2 #2	10.130	0.0	11654142.7 26	470.5333	ng/ml	100
T AR1260 3 #2	10.565	0.0	14145764.8 22	445.0113	ng/ml	100
T AR1260 5	10.798	0.0	6496936.82 3	466.1577	ng/ml	100
T AR1260 4 #2	10.985	0.0	8664032.98 5	466.3736	ng/ml	100
T AR1260 5 #2	11.655	0.0	12665086.6 08	469.2312	ng/ml	100

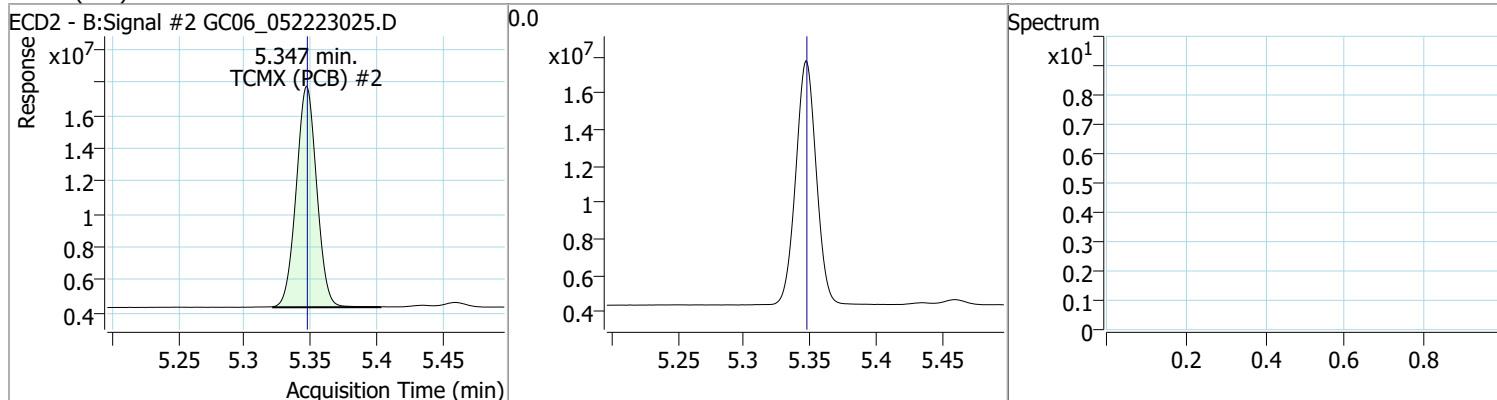
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

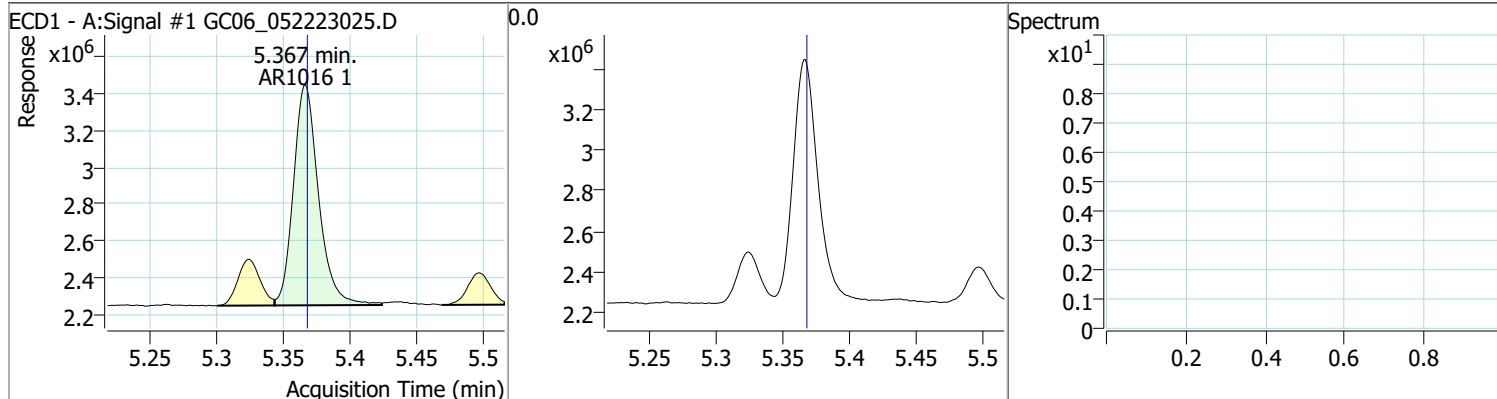
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.9508	5.00	0.00	5698436				



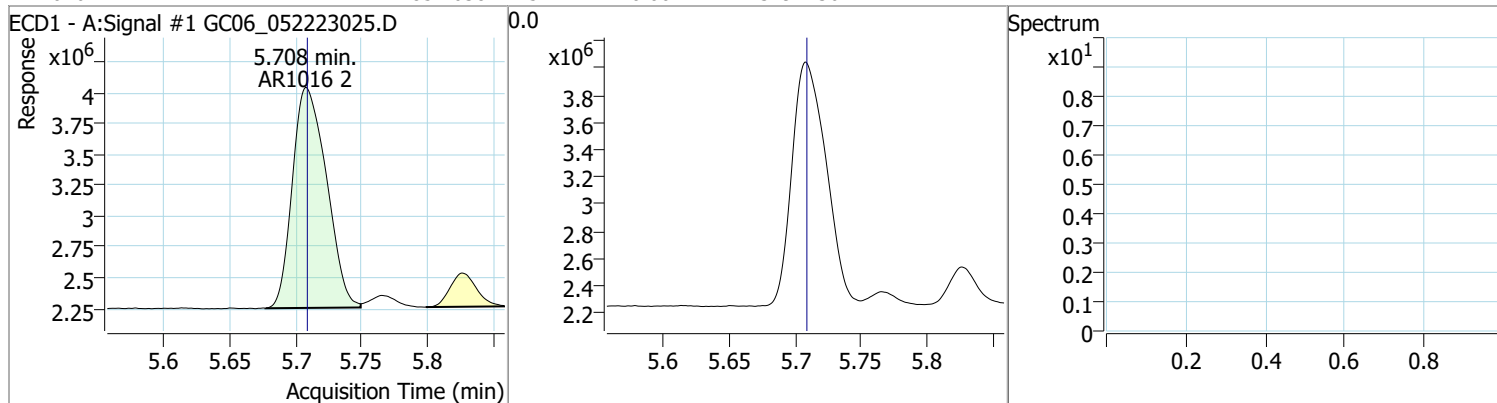
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.2444	5.35	0.00	14422781				



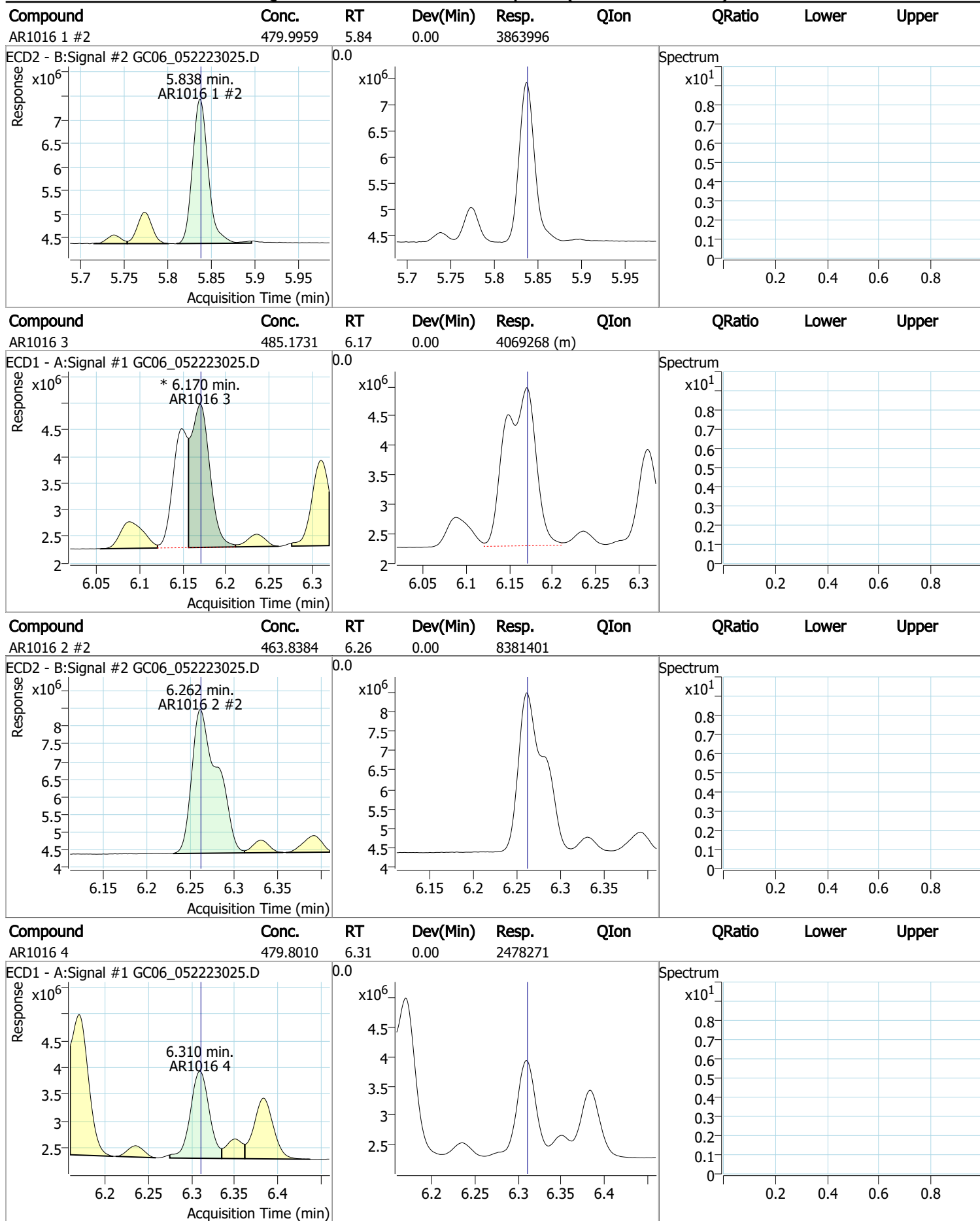
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	493.0862	5.37	0.00	1587697				



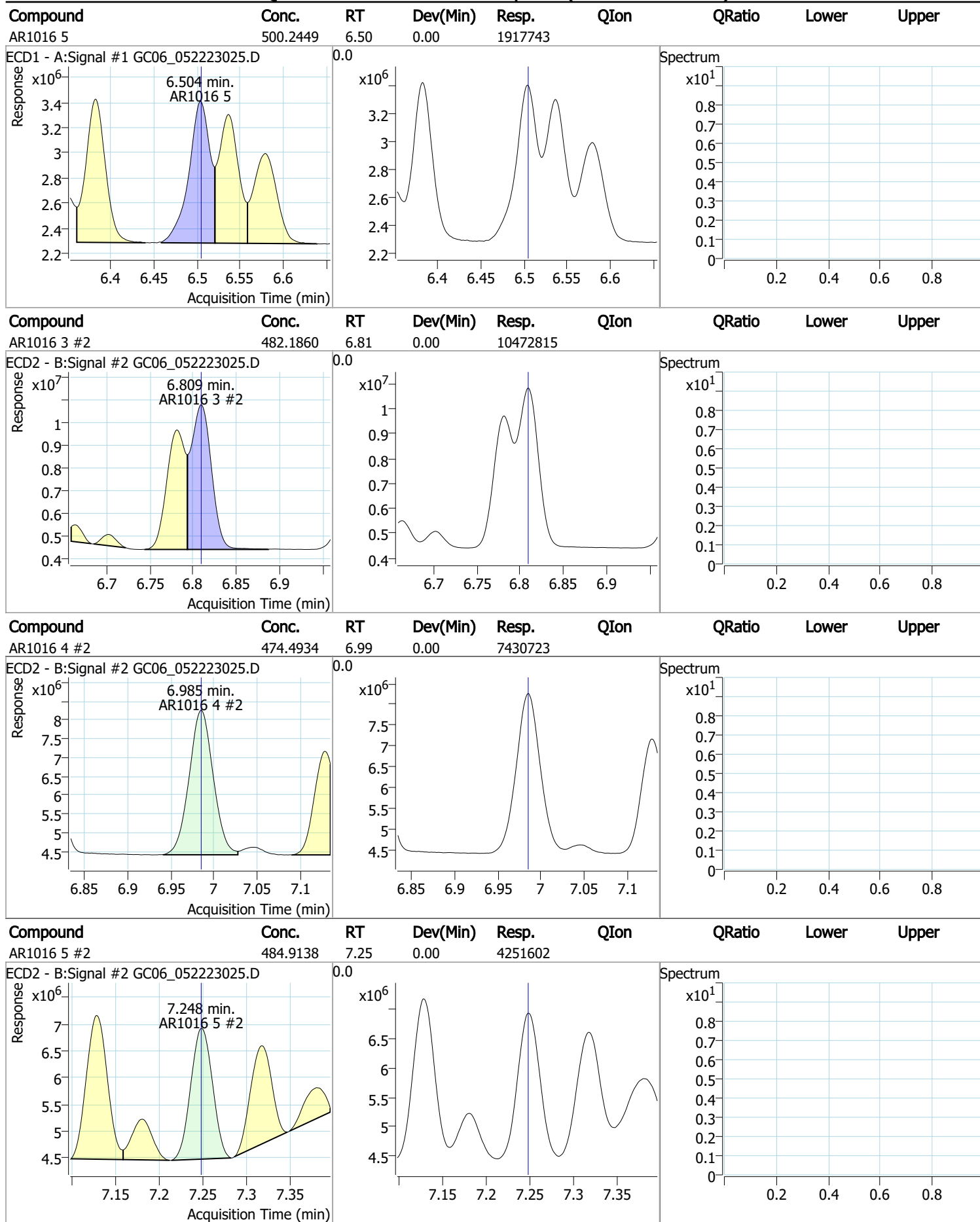
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	485.7638	5.71	0.00	3194236				



Quantitation Results Report (Not Reviewed)

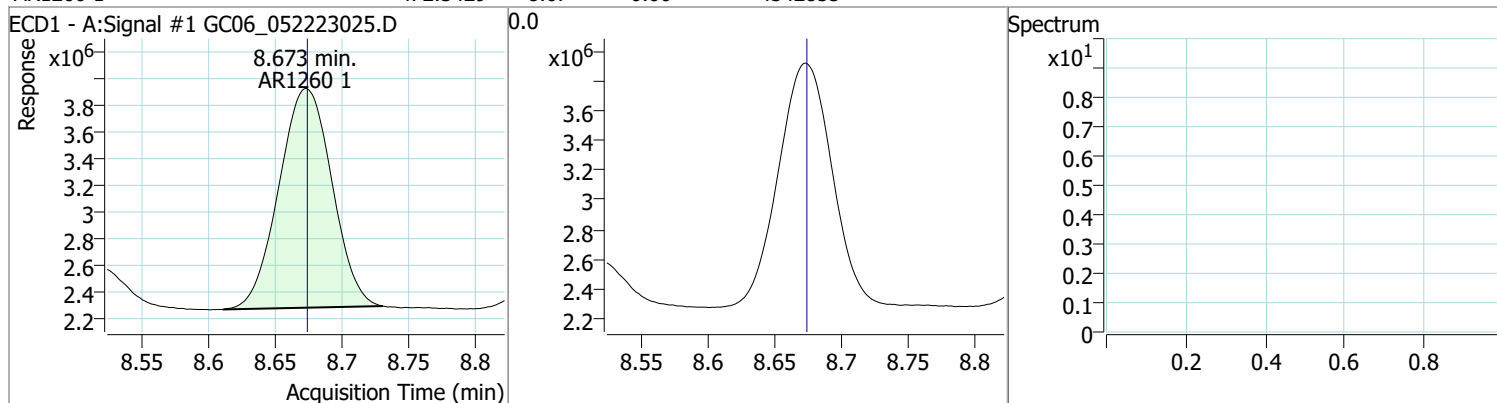


Quantitation Results Report (Not Reviewed)

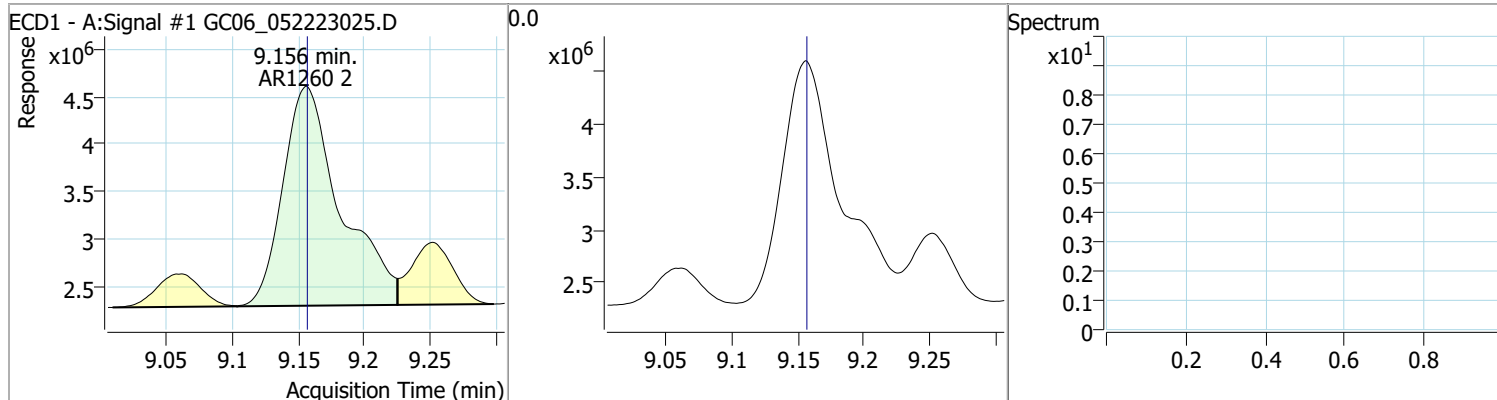


Quantitation Results Report (Not Reviewed)

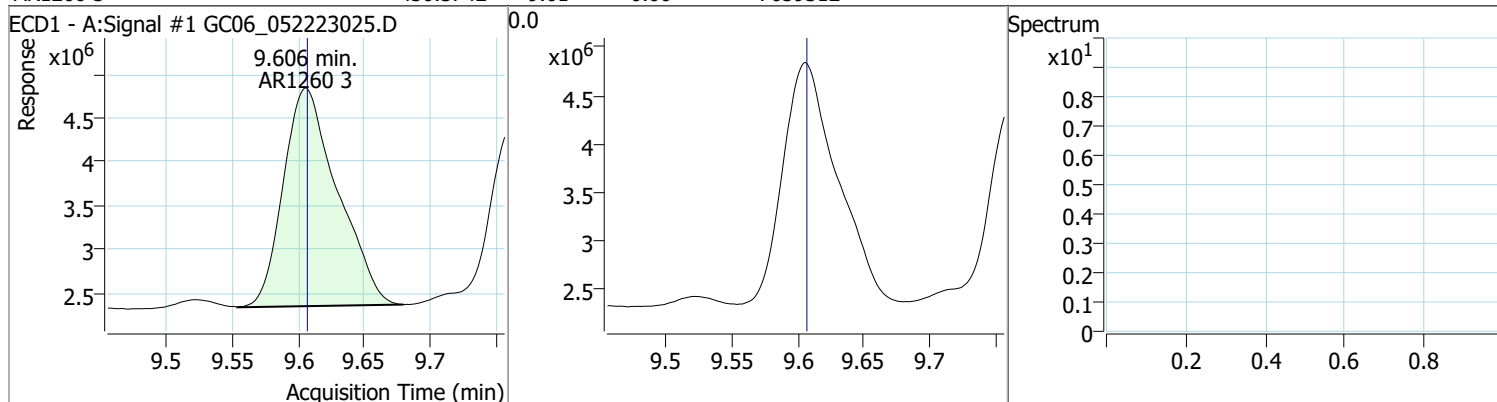
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	472.5429	8.67	0.00	4542855				



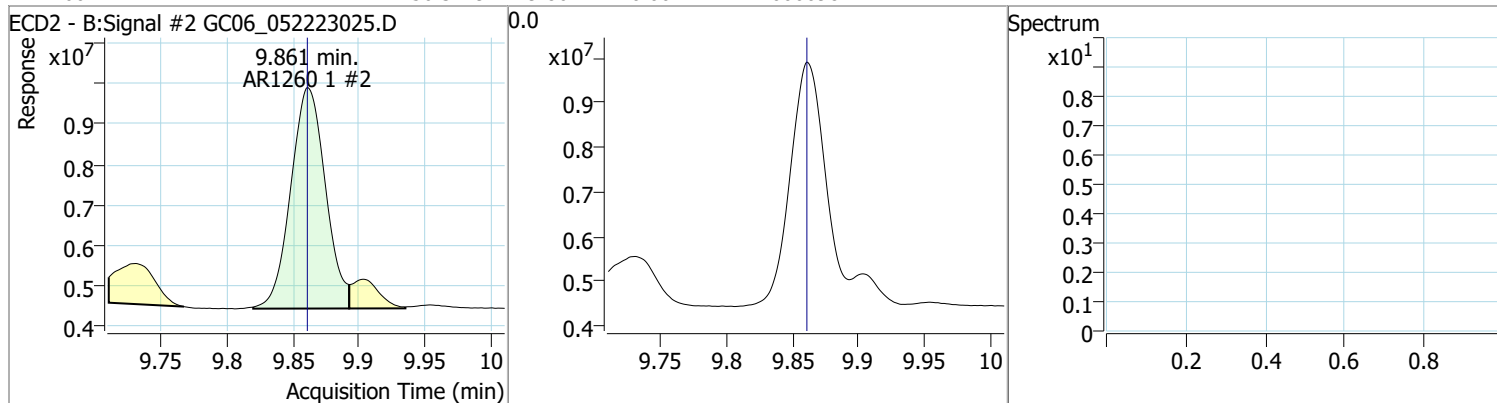
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	477.8252	9.16	0.00	6987478				



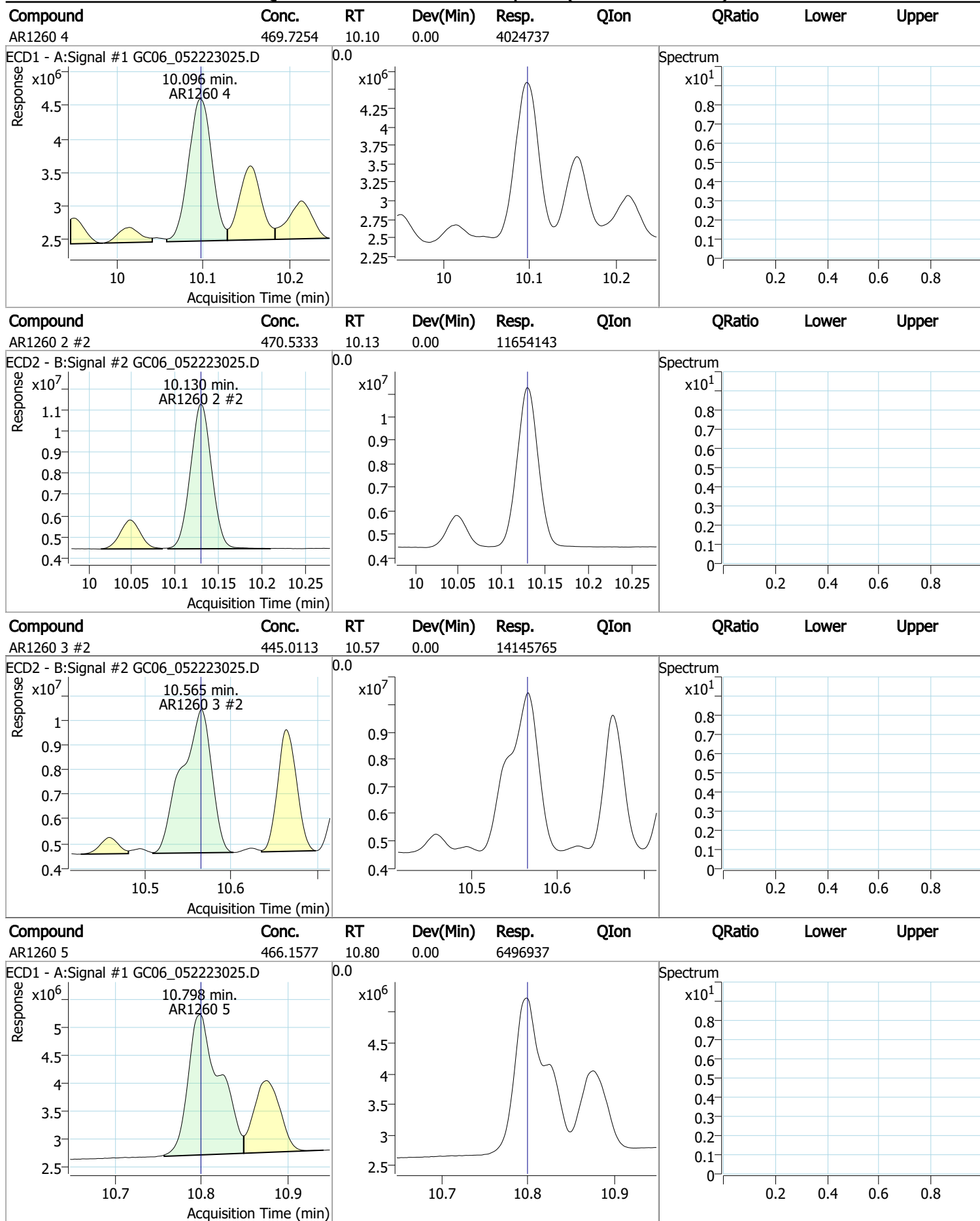
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	450.3742	9.61	0.00	7059312				



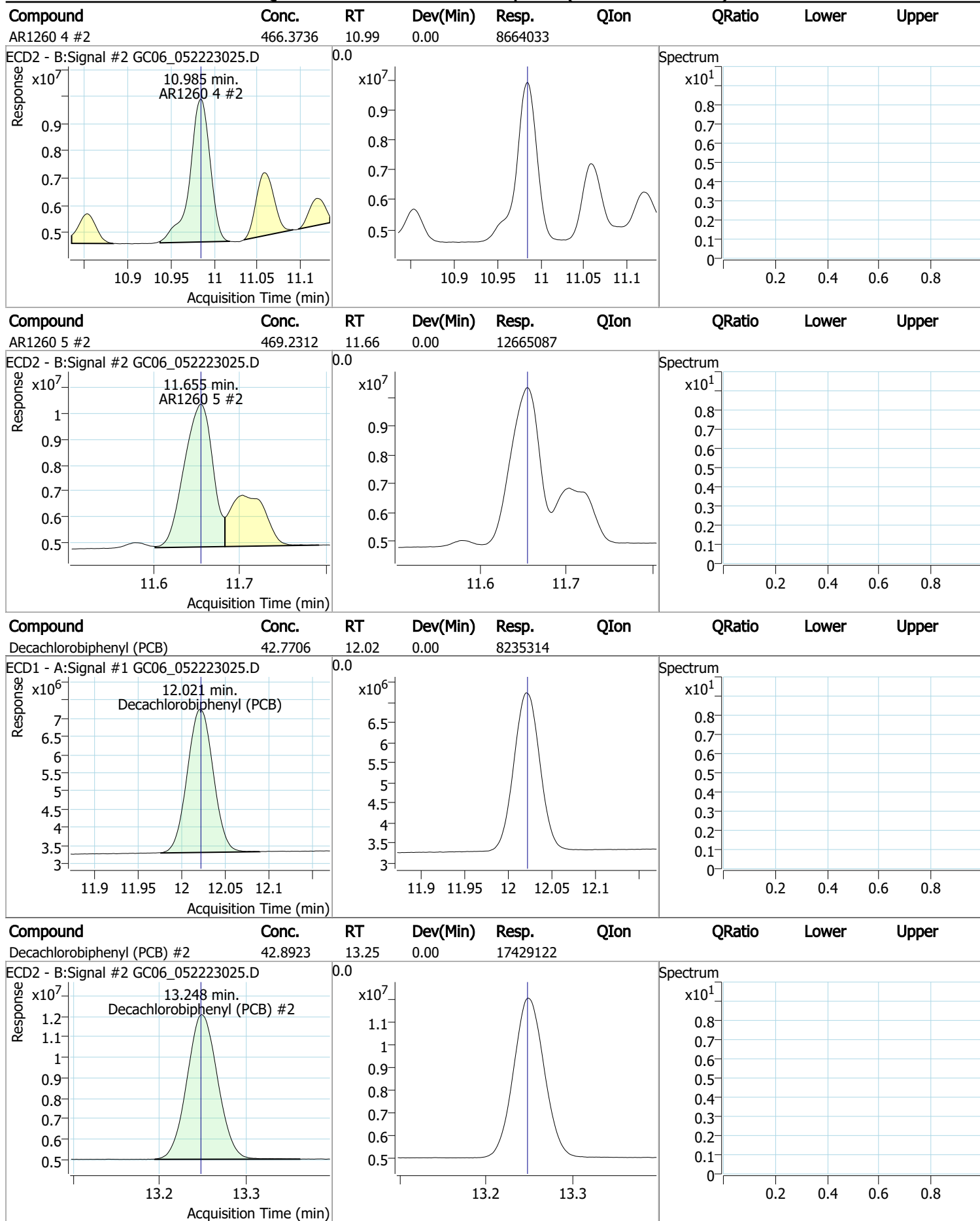
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	456.3729	9.86	0.00	10000981				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

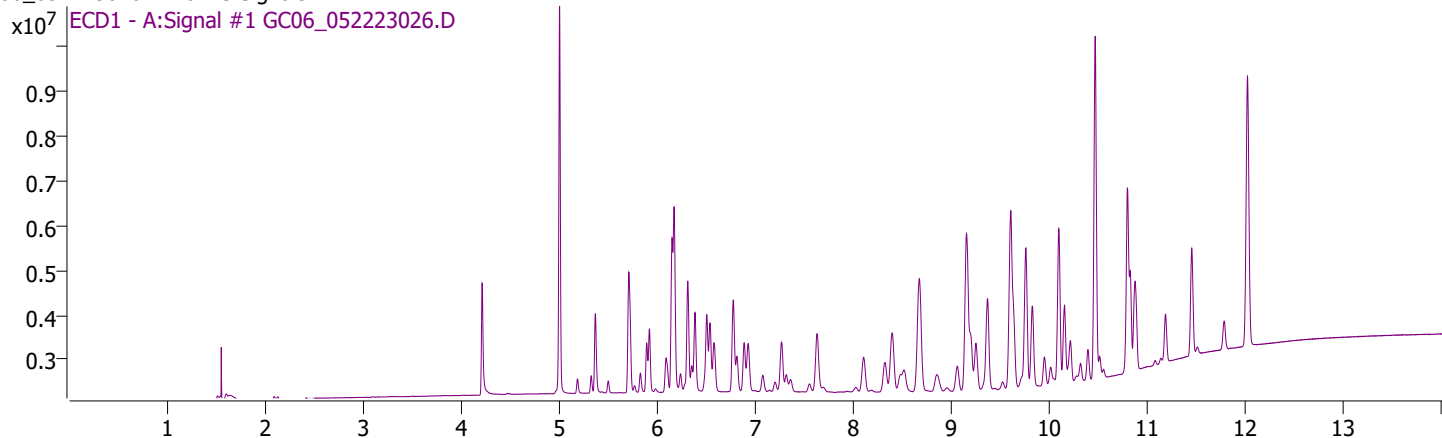


Quantitation Results Report (Not Reviewed)

Data File	GC06_052223026.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 9:56:20 PM
Sample Name	ICAL, S18185	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			

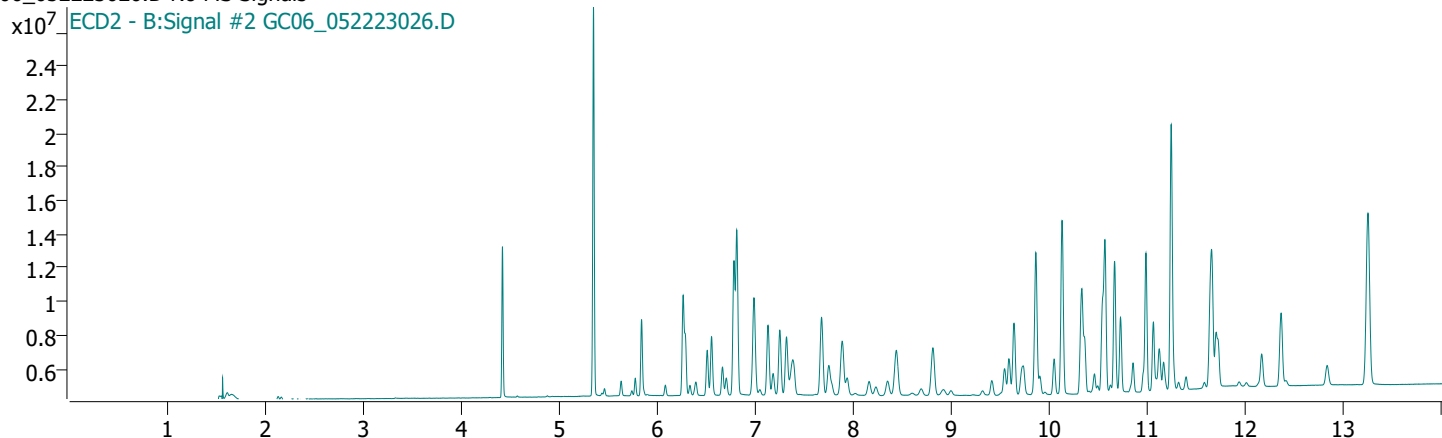
GC06_052223026.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_052223026.D



GC06_052223026.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_052223026.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	3086367.41 4	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	8224328.85 3	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.001	0.0	9048791.92 5	55.3069	ng/ml	m 0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 276.53%	*	
S TCMX (PCB) #2	5.347	0.0	24010085.3 64	55.1937	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 275.97%	*	
S Decachlorobiphenyl (PCB)	12.021	0.0	12061391.7 47	59.0449	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 295.22%	*	
S Decachlorobiphenyl (PCB) #2	13.251	0.0	25490224.0 56	59.0109	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 295.05%	*	

Target Compounds

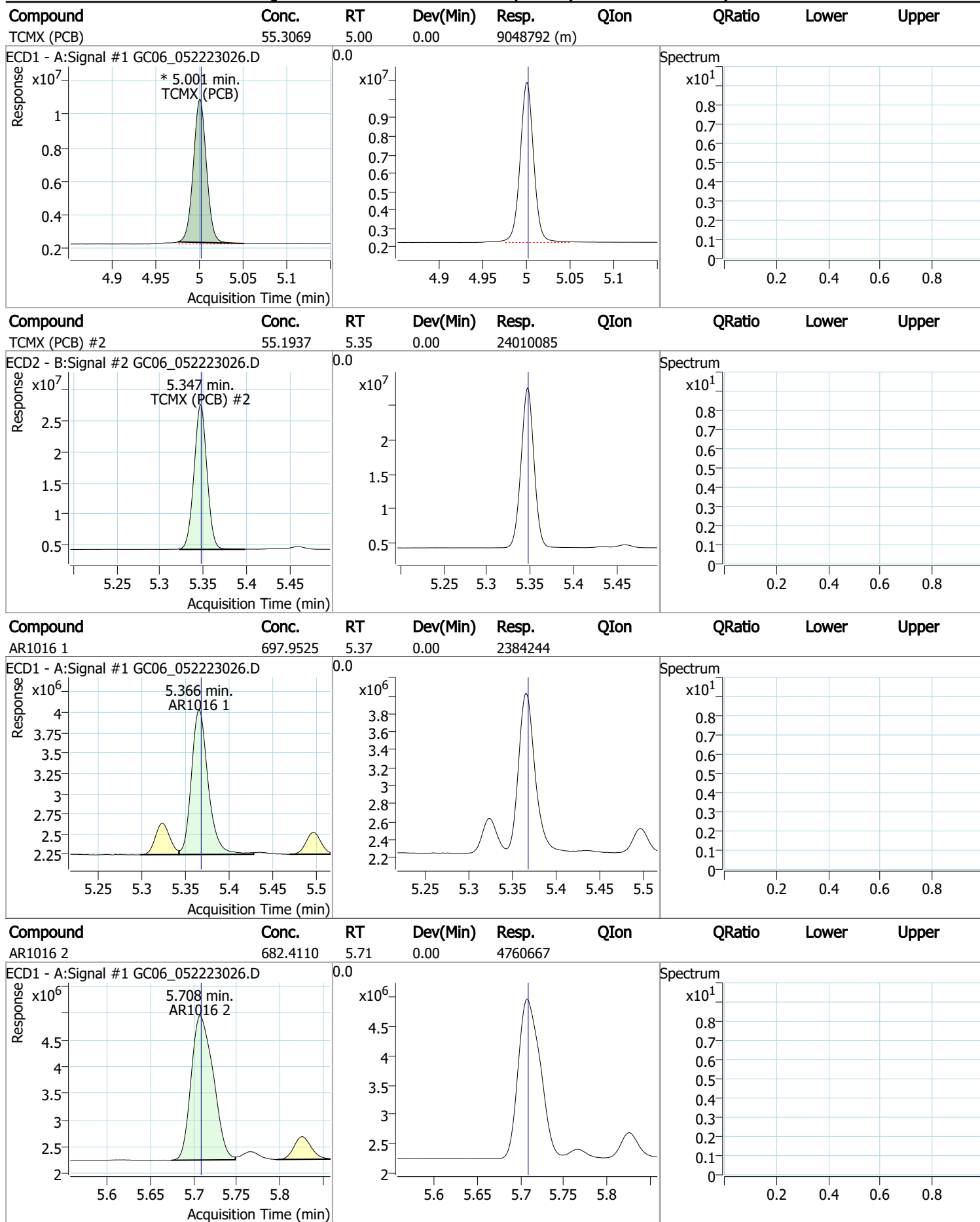
QValue

Quantitation Results Report (Not Reviewed)

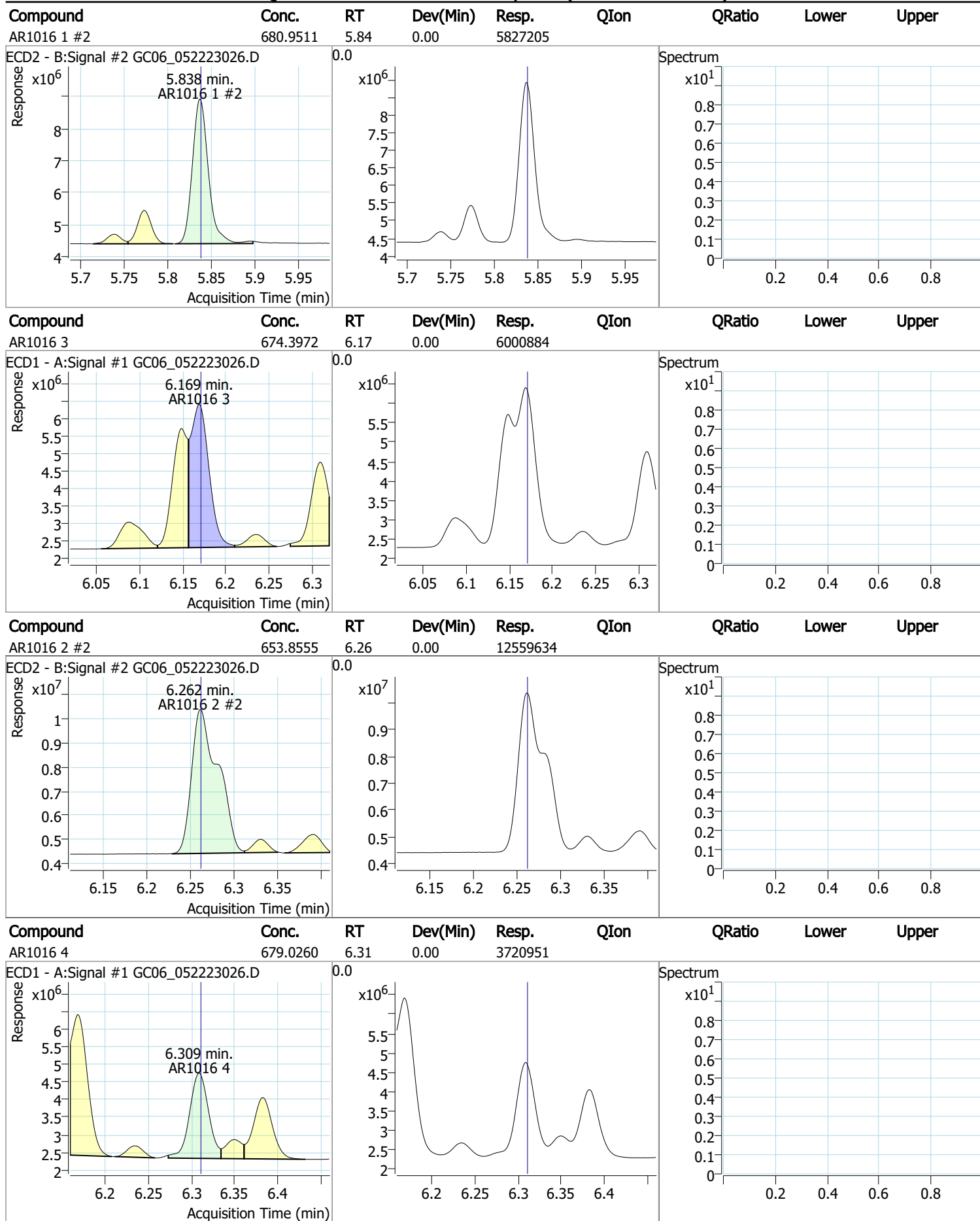
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.366	0.0	2384243.85 2	697.9525	ng/ml	100
T AR1016 2	5.708	0.0	4760666.95 1	682.4110	ng/ml	100
T AR1016 1 #2	5.838	0.0	5827205.11 8	680.9511	ng/ml	100
T AR1016 3	6.169	0.0	6000883.94 8	674.3972	ng/ml	100
T AR1016 2 #2	6.262	0.0	12559633.7 58	653.8555	ng/ml	100
T AR1016 4	6.309	0.0	3720951.21 6	679.0260	ng/ml	100
T AR1016 5	6.503	0.0	2857934.08 3	702.6911	ng/ml	100
T AR1016 3 #2	6.808	0.0	15681291.5 37	679.1844	ng/ml	100
T AR1016 4 #2	6.984	0.0	11249992.6 28	675.7812	ng/ml	100
T AR1016 5 #2	7.248	0.0	6478288.54 5	695.0674	ng/ml	100
T AR1260 1	8.672	0.0	6996527.92 6	685.9857	ng/ml	100
T AR1260 2	9.153	0.0	10756630.5 34	693.3379	ng/ml	100
T AR1260 3	9.606	0.0	10972647.9 70	659.8462	ng/ml	100
T AR1260 1 #2	9.861	0.0	15508640.1 83	665.7417	ng/ml	100
T AR1260 4	10.095	0.0	6281515.67 1	691.0209	ng/ml	100
T AR1260 2 #2	10.128	0.0	18017718.6 23	684.3284	ng/ml	100
T AR1260 3 #2	10.566	0.0	22126582.0 26	654.8076	ng/ml	100
T AR1260 5	10.795	0.0	10161735.8 18	687.2461	ng/ml	100
T AR1260 4 #2	10.985	0.0	12705738.7 25	643.3815	ng/ml	100
T AR1260 5 #2	11.654	0.0	19861517.6 60	692.2228	ng/ml	100

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

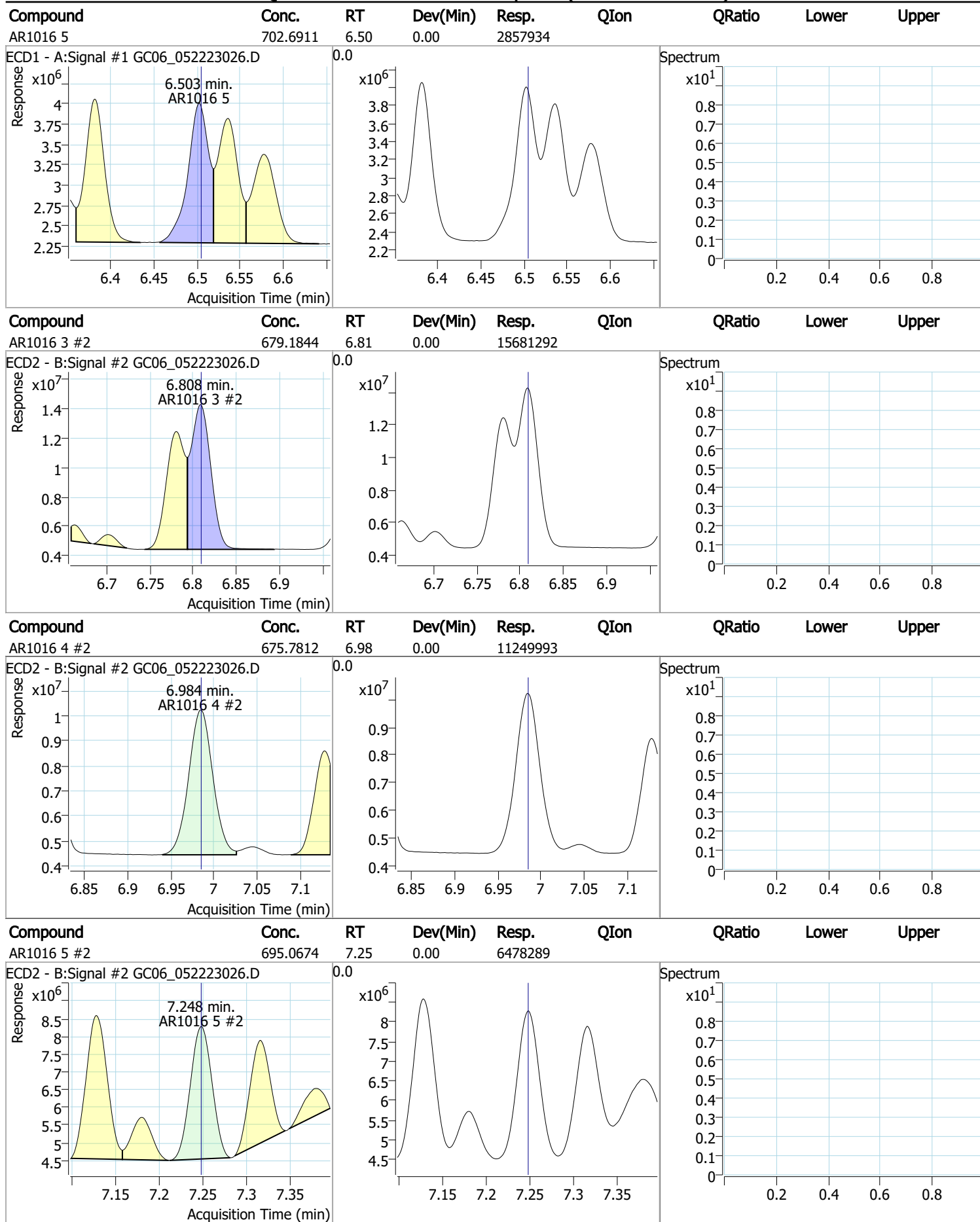
Quantitation Results Report (Not Reviewed)



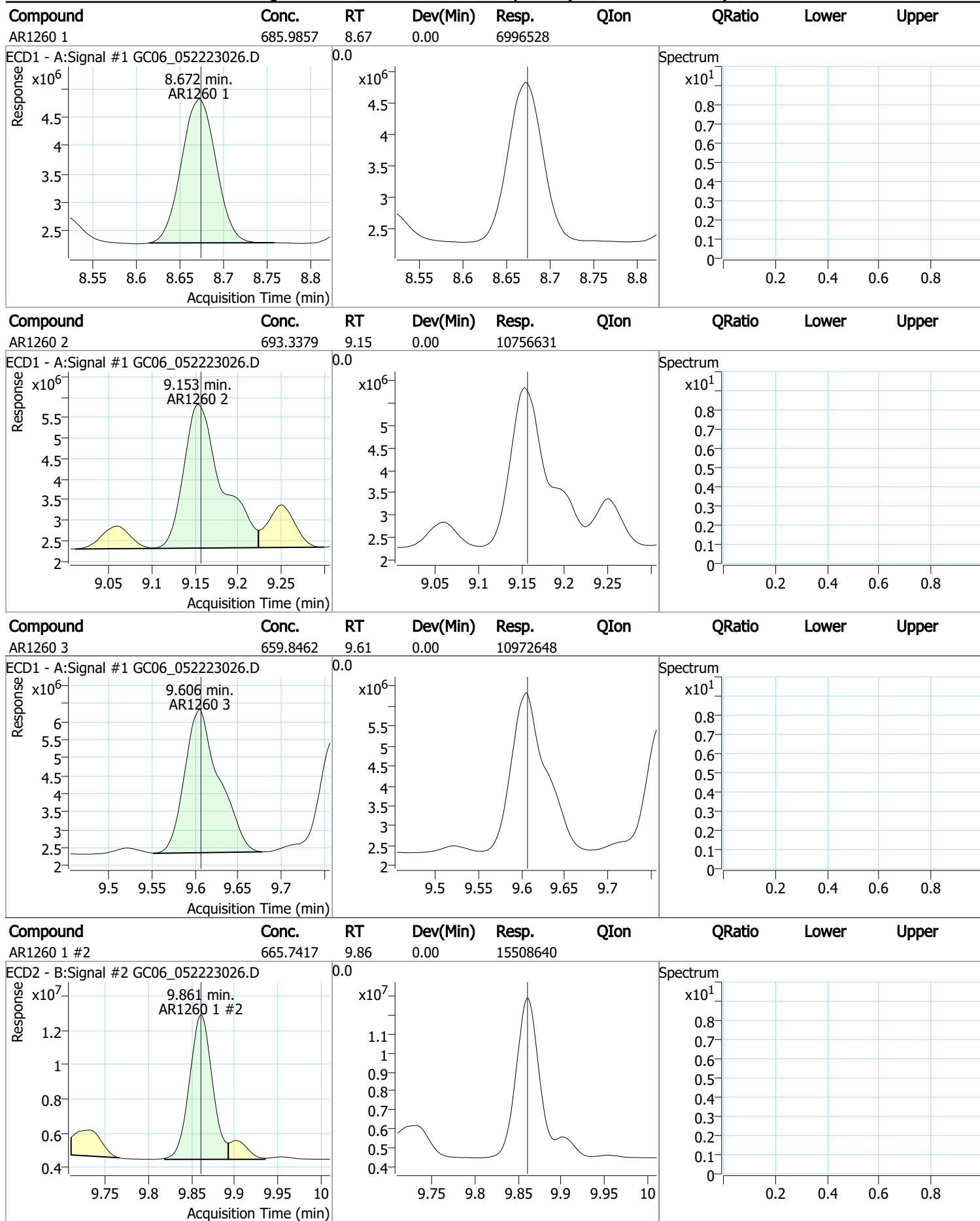
Quantitation Results Report (Not Reviewed)



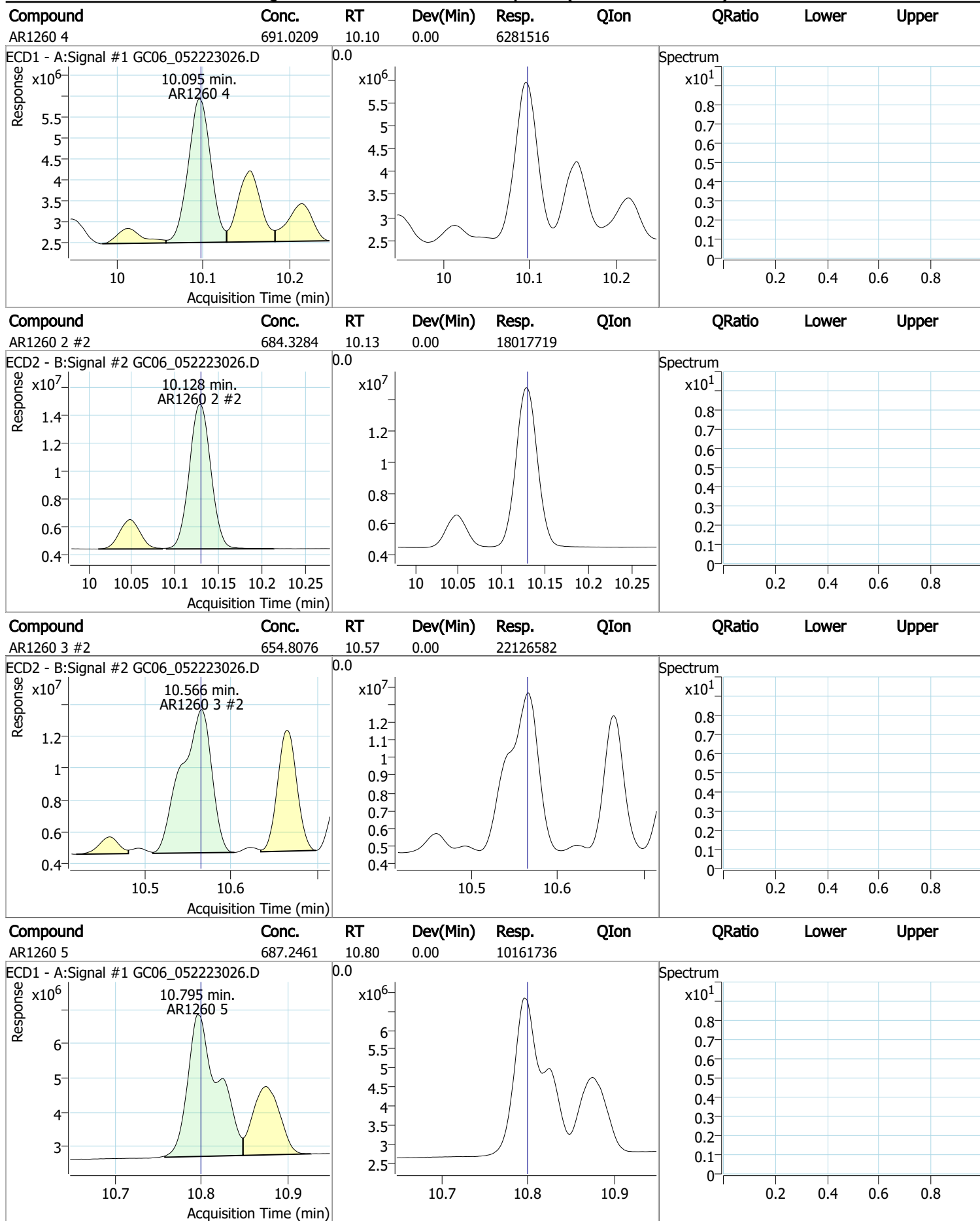
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

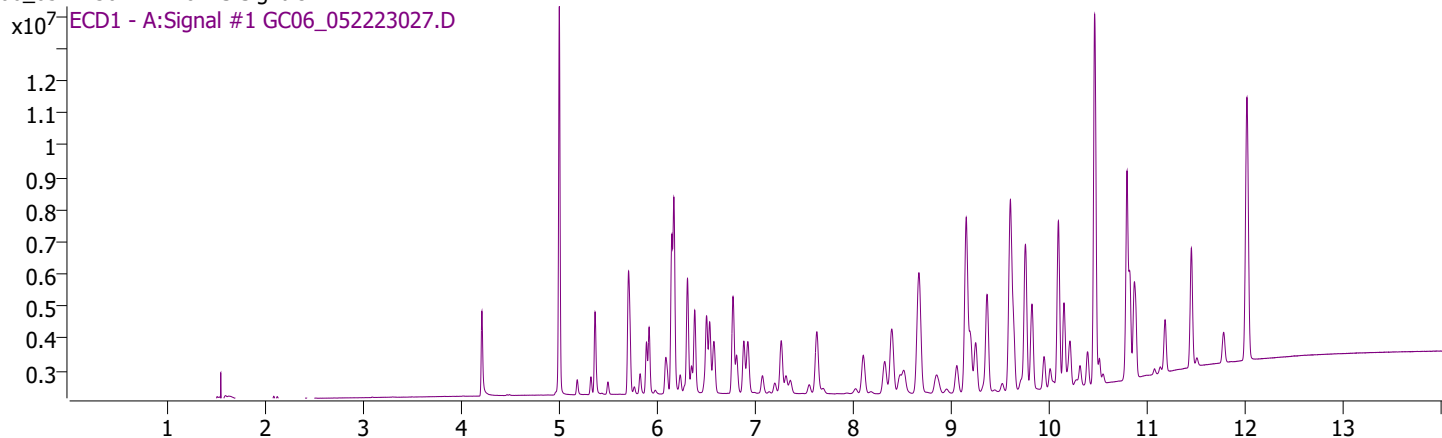
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	643.3815	10.99	0.00	12705739				
ECD2 - B:Signal #2 GC06_052223026.D 10.985 min. AR1260 4 #2 Spectrum								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	692.2228	11.65	0.00	19861518				
ECD2 - B:Signal #2 GC06_052223026.D 11.654 min. AR1260 5 #2 Spectrum								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	59.0449	12.02	0.00	12061392				
ECD1 - A:Signal #1 GC06_052223026.D 12.021 min. Decachlorobiphenyl (PCB) Spectrum								
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	59.0109	13.25	0.00	25490224				
ECD2 - B:Signal #2 GC06_052223026.D 13.251 min. Decachlorobiphenyl (PCB) #2 Spectrum								

Quantitation Results Report (Not Reviewed)

Data File	GC06_052223027.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 10:14:39 PM
Sample Name	ICAL, S18186	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			

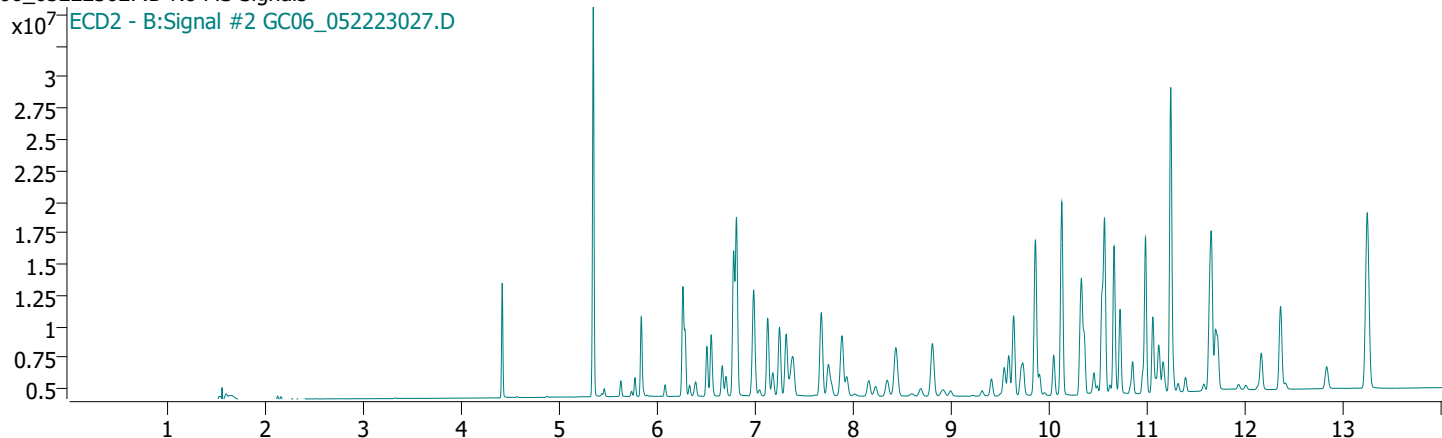
GC06_052223027.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_052223027.D



GC06_052223027.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_052223027.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	3177196.29 8	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	8538127.86 1	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.000	0.0	13059477.1 25	77.5386	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 387.69%		*
S TCMX (PCB) #2	5.347	0.0	33332428.9 74	73.8075	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 369.04%		*
S Decachlorobiphenyl (PCB)	12.020	0.0	16779212.0 68	79.7922	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 398.96%		*
S Decachlorobiphenyl (PCB) #2	13.248	0.0	35172468.0 31	78.4331	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 392.17%		*

Target Compounds

QValue

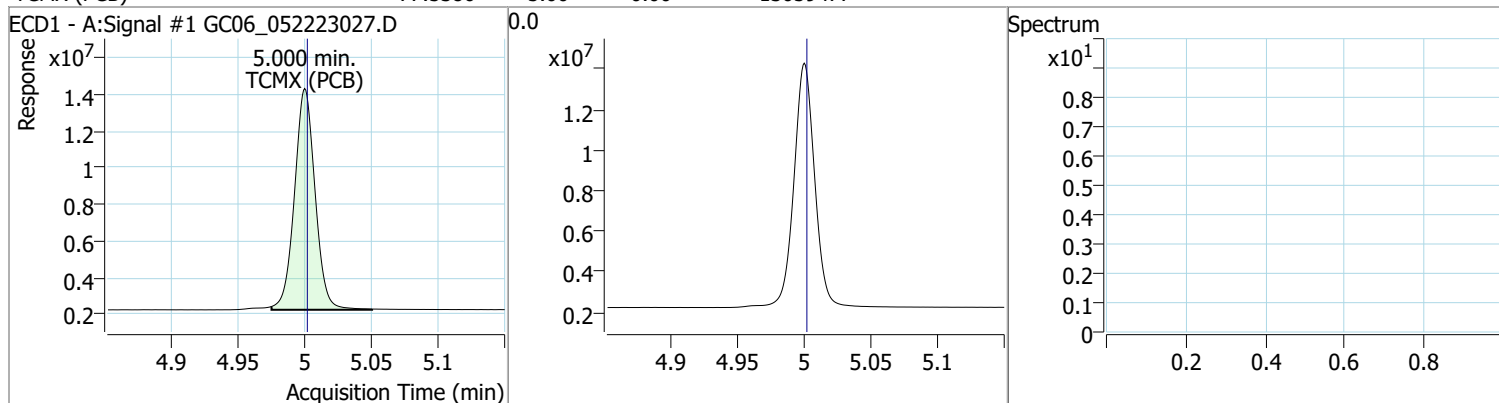
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.365	0.0	3361984.80 7	956.0366	ng/ml	100
T AR1016 2	5.708	0.0	6790602.22 3	945.5622	ng/ml	100
T AR1016 1 #2	5.837	0.0	8259478.85 5	929.7069	ng/ml	100
T AR1016 3	6.169	0.0	8710064.41 8	950.8795	ng/ml	100
T AR1016 2 #2	6.263	0.0	17900117.1 86	897.6324	ng/ml	100
T AR1016 4	6.308	0.0	5417216.93 3	960.3118	ng/ml	100
T AR1016 5	6.503	0.0	4143015.70 8	989.5378	ng/ml	100
T AR1016 3 #2	6.808	0.0	23127122.5 09	964.8622	ng/ml	100
T AR1016 4 #2	6.984	0.0	16385197.4 04	948.0764	ng/ml	100
T AR1016 5 #2	7.248	0.0	9404709.32 5	971.9633	ng/ml	100
T AR1260 1	8.671	0.0	10615234.6 02	1011.0338	ng/ml	100
T AR1260 2	9.154	0.0	16051273.0 16	1005.0363	ng/ml	100
T AR1260 3	9.605	0.0	16576838.1 73	968.3593	ng/ml	100
T AR1260 1 #2	9.860	0.0	23063729.4 04	953.6728	ng/ml	100
T AR1260 4	10.095	0.0	9476714.03 2	1012.7169	ng/ml	100
T AR1260 2 #2	10.130	0.0	27033246.6 67	989.0102	ng/ml	100
T AR1260 3 #2	10.565	0.0	33404051.4 23	952.2179	ng/ml	100
T AR1260 5	10.796	0.0	15484088.2 77	1017.2638	ng/ml	100
T AR1260 4 #2	10.984	0.0	20107387.6 35	980.7585	ng/ml	100
T AR1260 5 #2	11.654	0.0	30218538.0 25	1014.4829	ng/ml	100

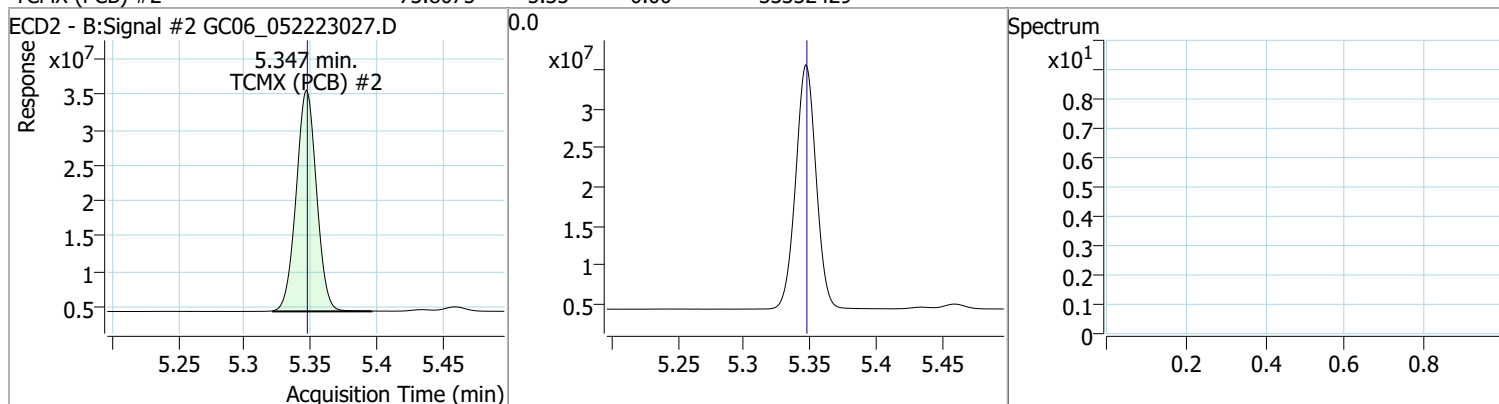
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

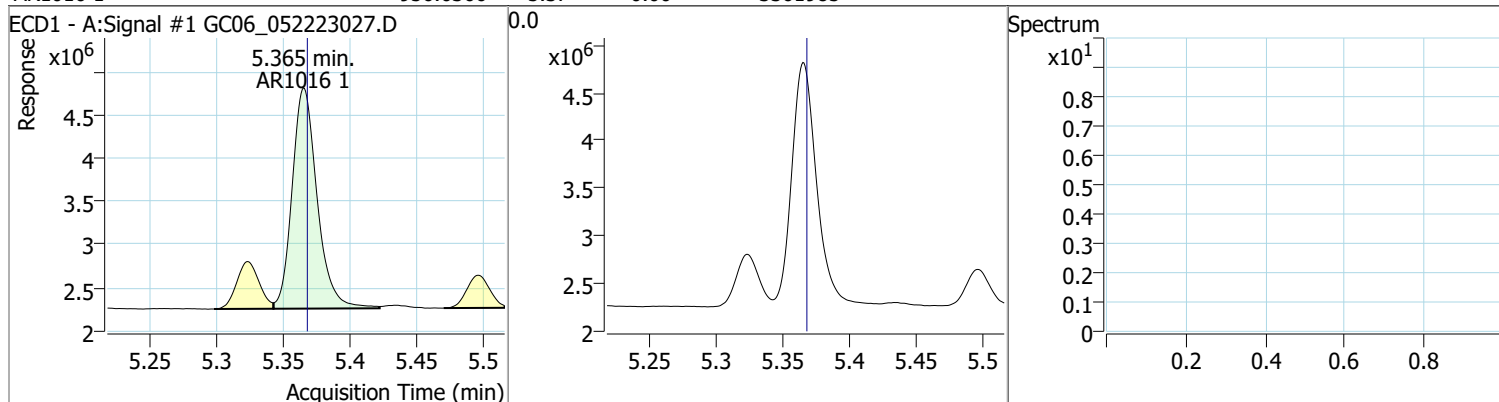
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	77.5386	5.00	0.00	13059477				



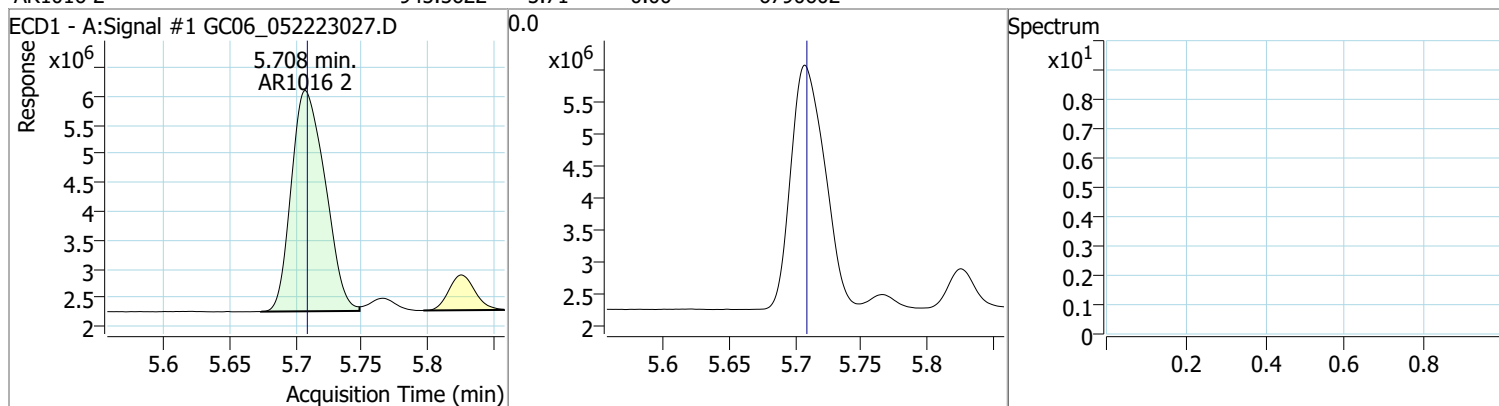
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	73.8075	5.35	0.00	33332429				



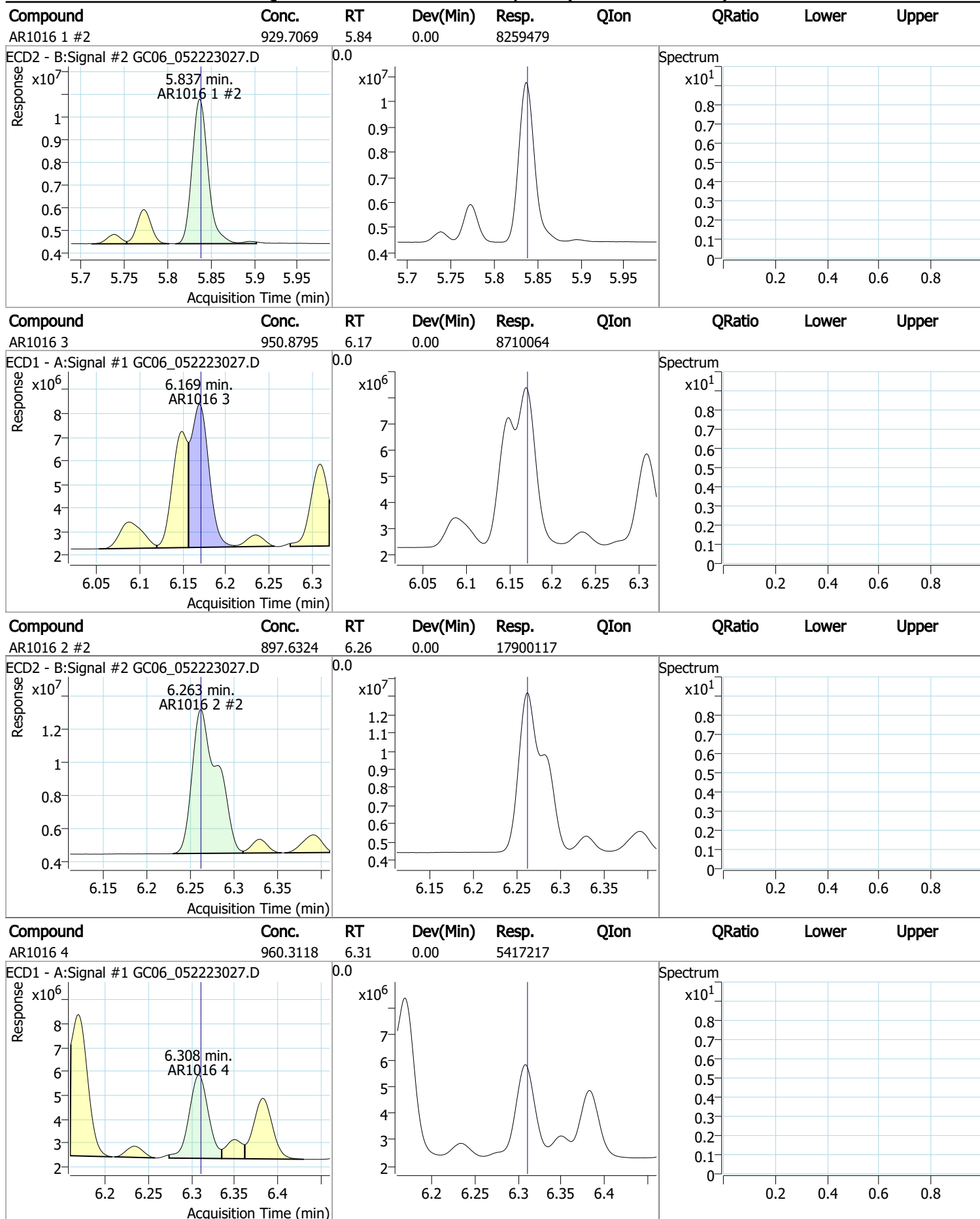
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	956.0366	5.37	0.00	3361985				



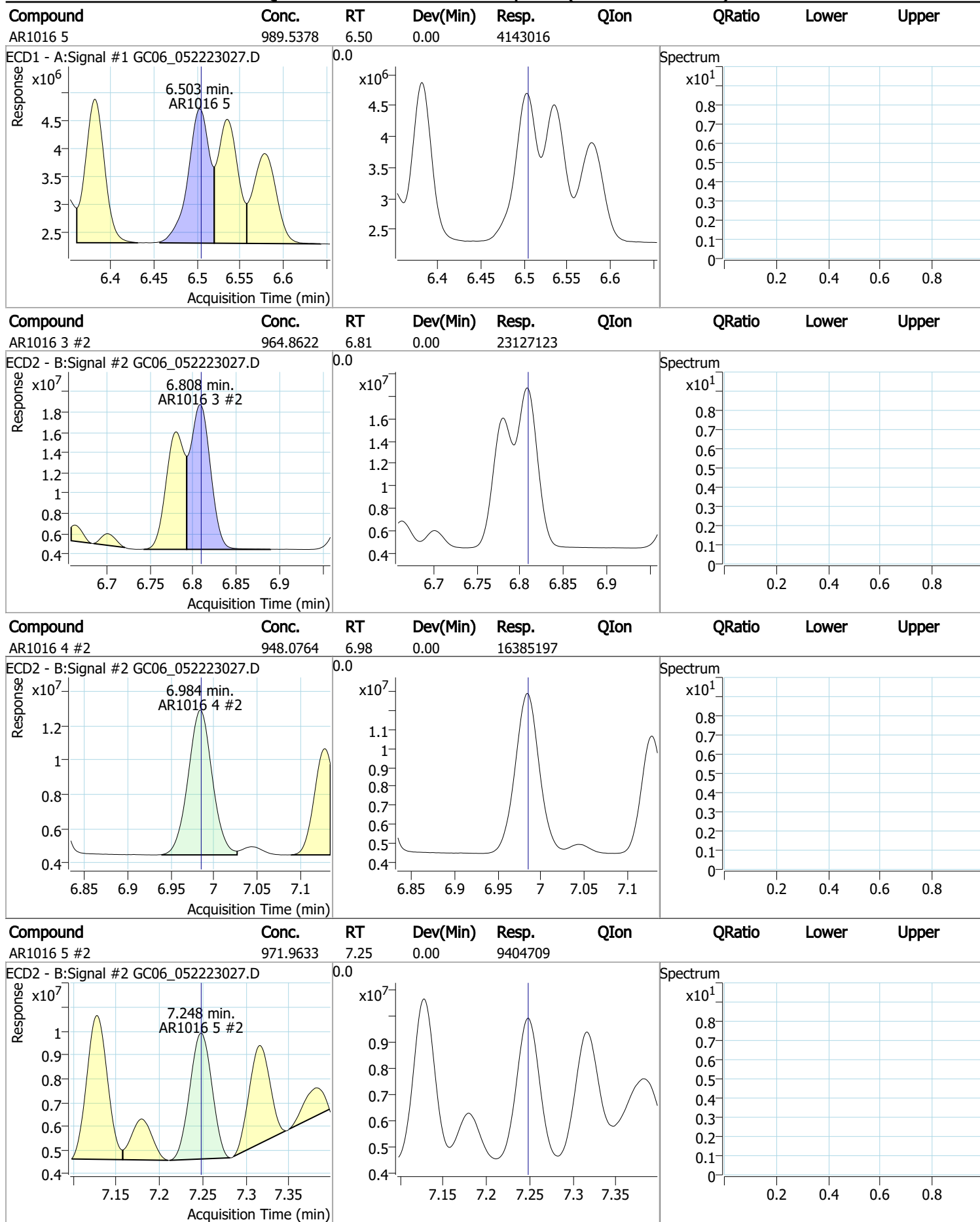
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	945.5622	5.71	0.00	6790602				



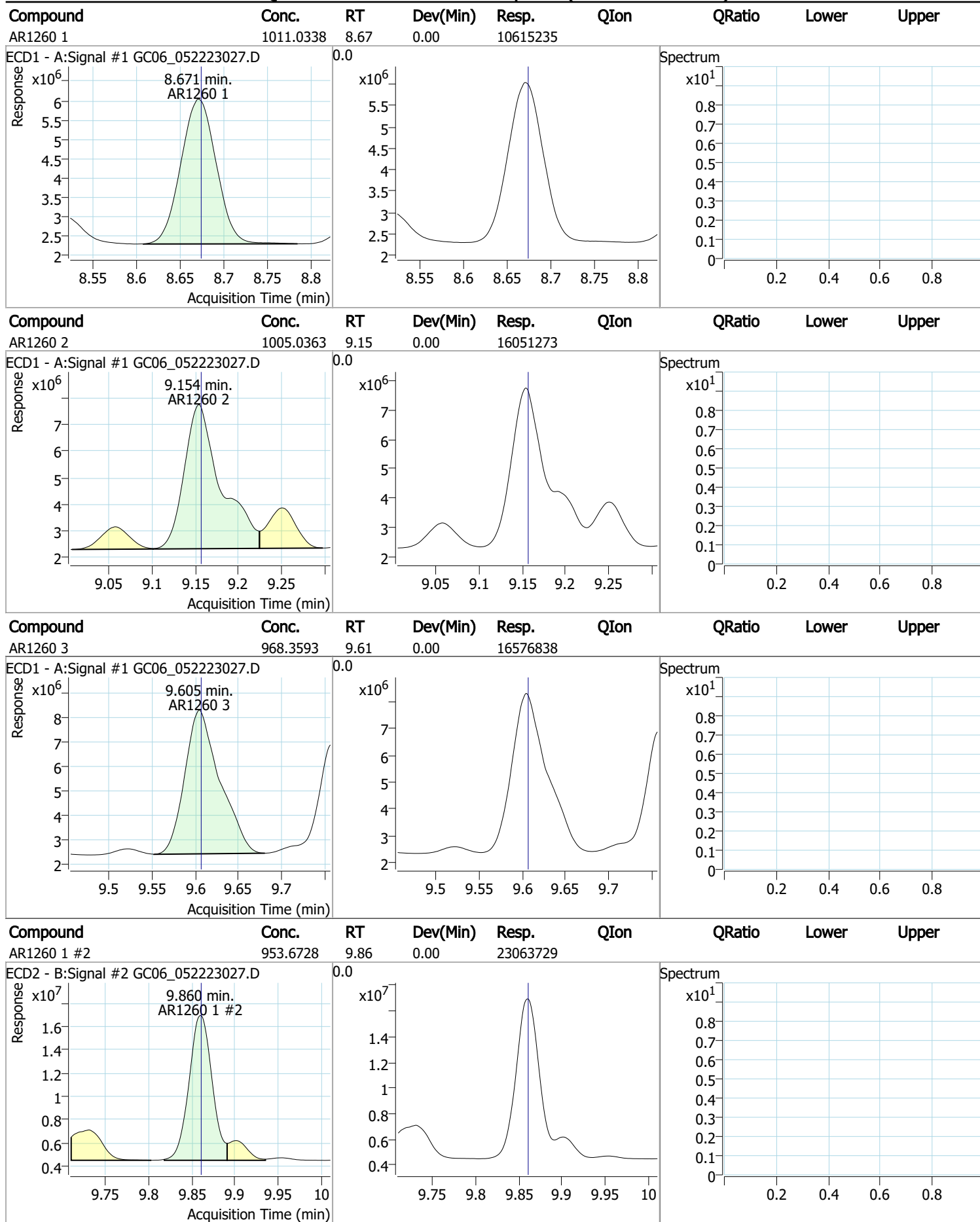
Quantitation Results Report (Not Reviewed)



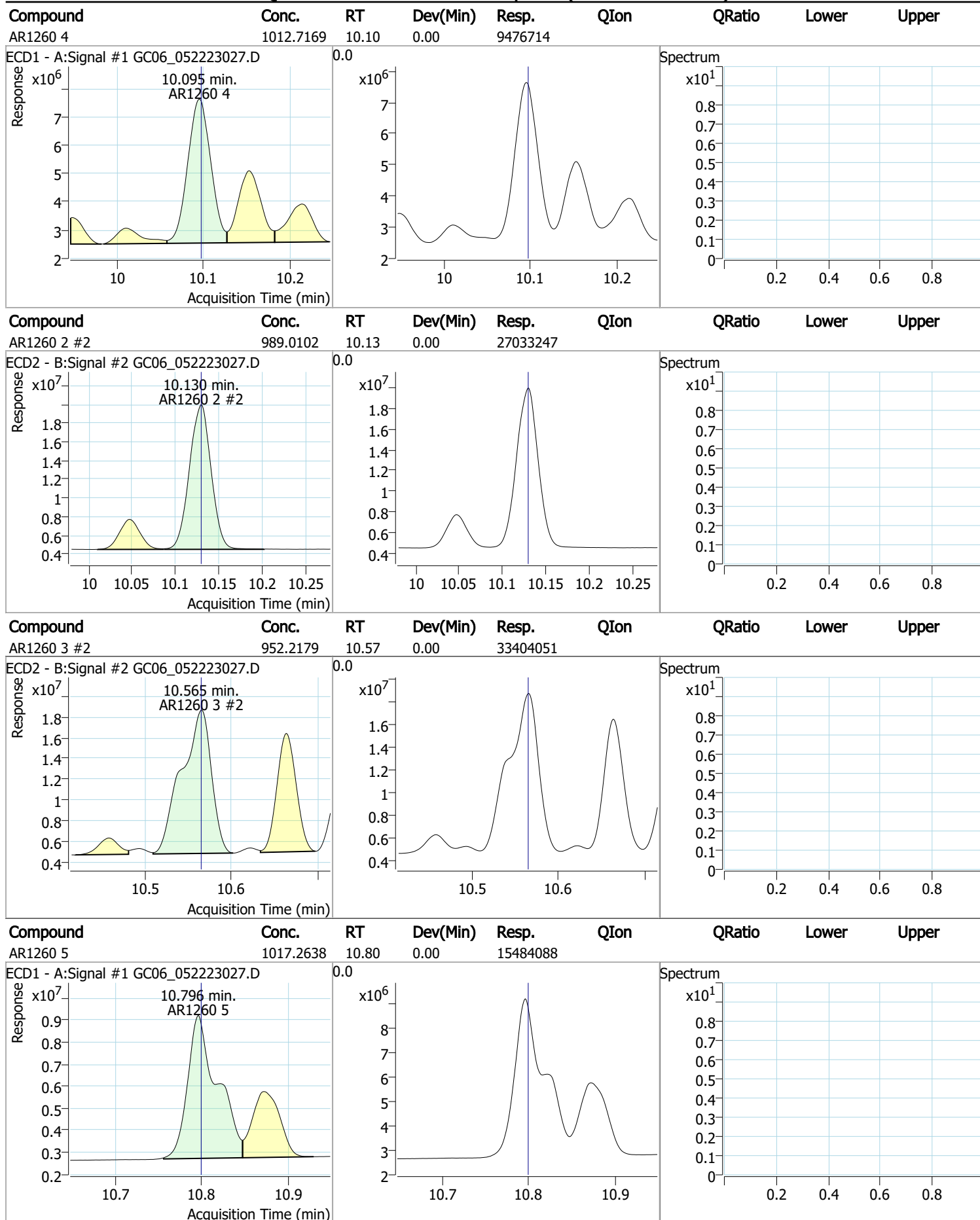
Quantitation Results Report (Not Reviewed)



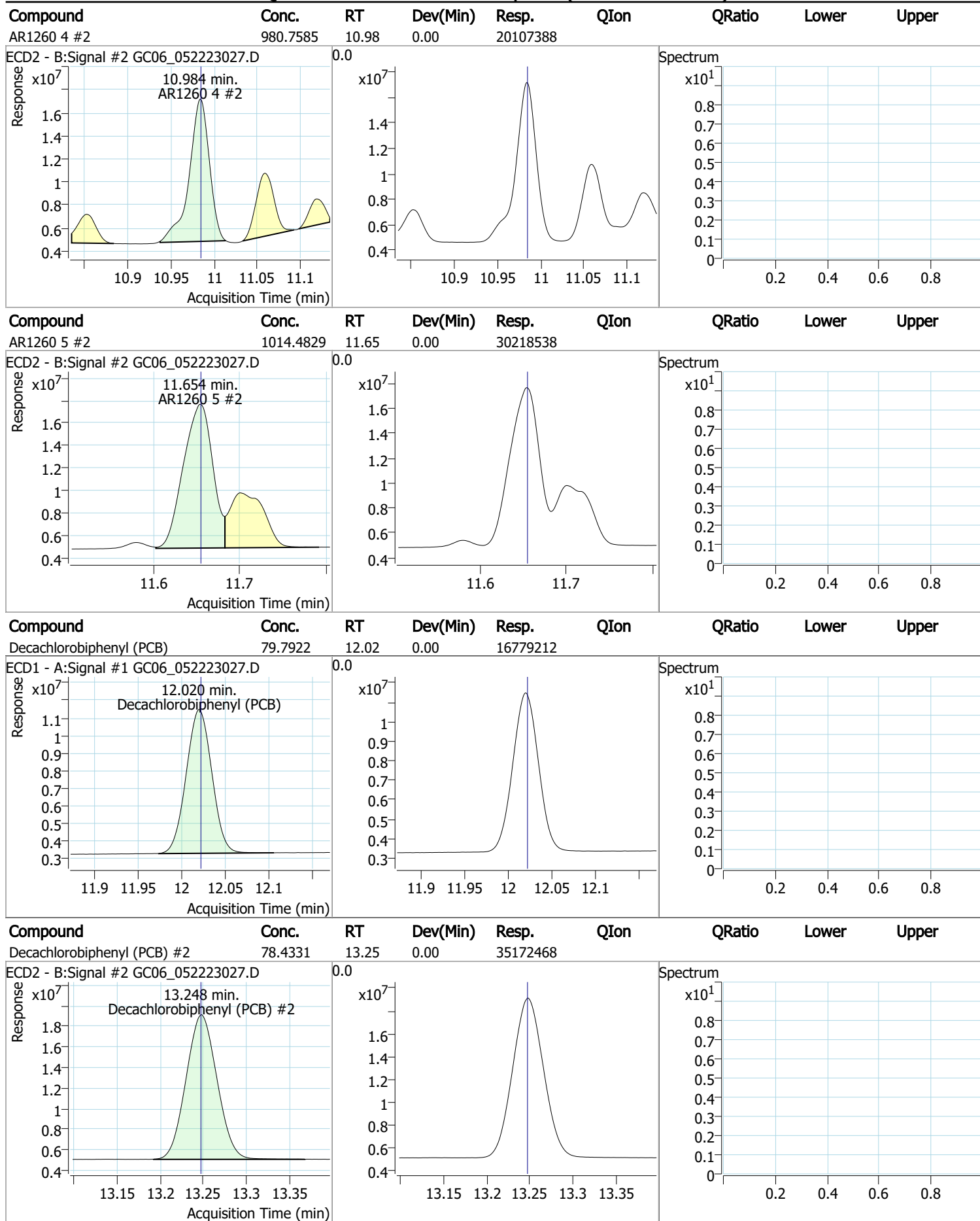
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

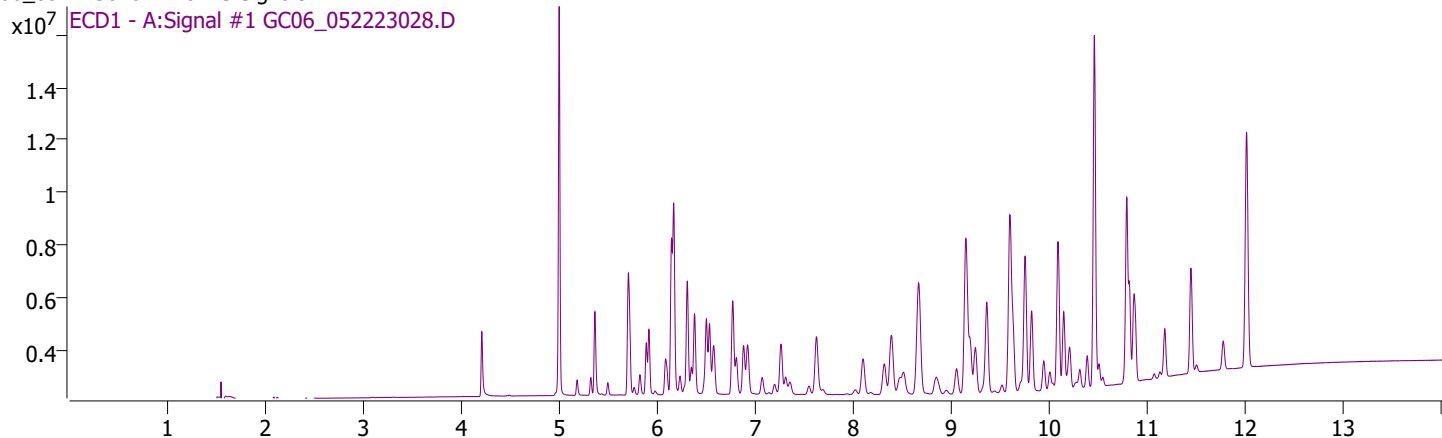


Quantitation Results Report (Not Reviewed)

Data File	GC06_052223028.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 10:33:00 PM
Sample Name	ICAL, S18187	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			

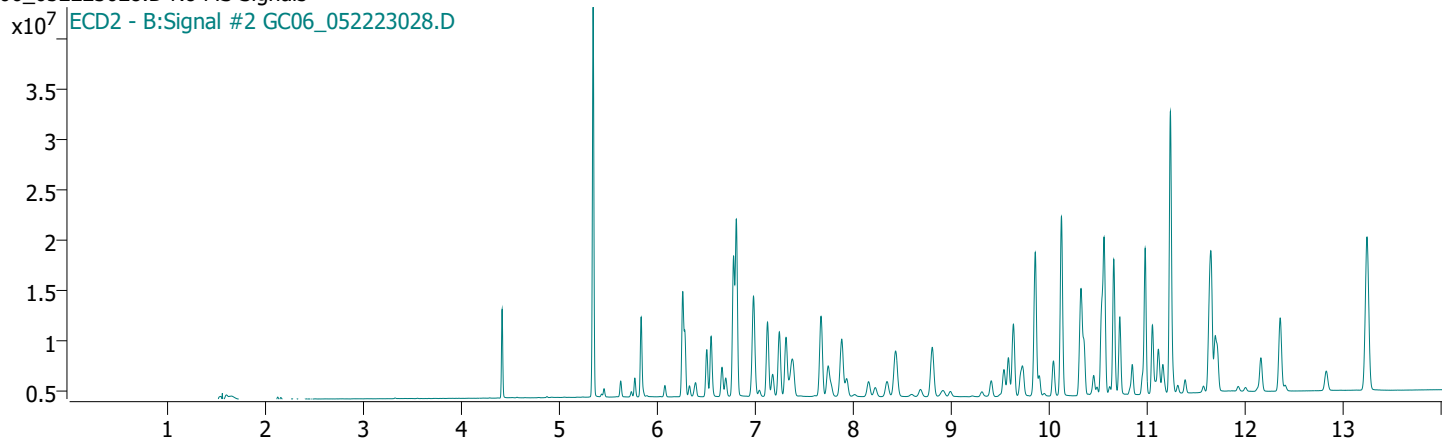
GC06_052223028.D No MS Signals

x10⁷ ECD1 - A:Signal #1 GC06_052223028.D



GC06_052223028.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_052223028.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	2986690.93 6	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.418	0.0	8039960.26 6	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	5.000	0.0	16166895.7 93	102.1110	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 510.55%	*	
S TCMX (PCB) #2	5.347	0.0	41424203.8 30	97.4085	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 487.04%	*	
S Decachlorobiphenyl (PCB)	12.020	0.0	18098777.0 57	91.5570	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 457.79%	*	
S Decachlorobiphenyl (PCB) #2	13.249	0.0	38113069.6 26	90.2567	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 451.28%	*	

Target Compounds

QValue

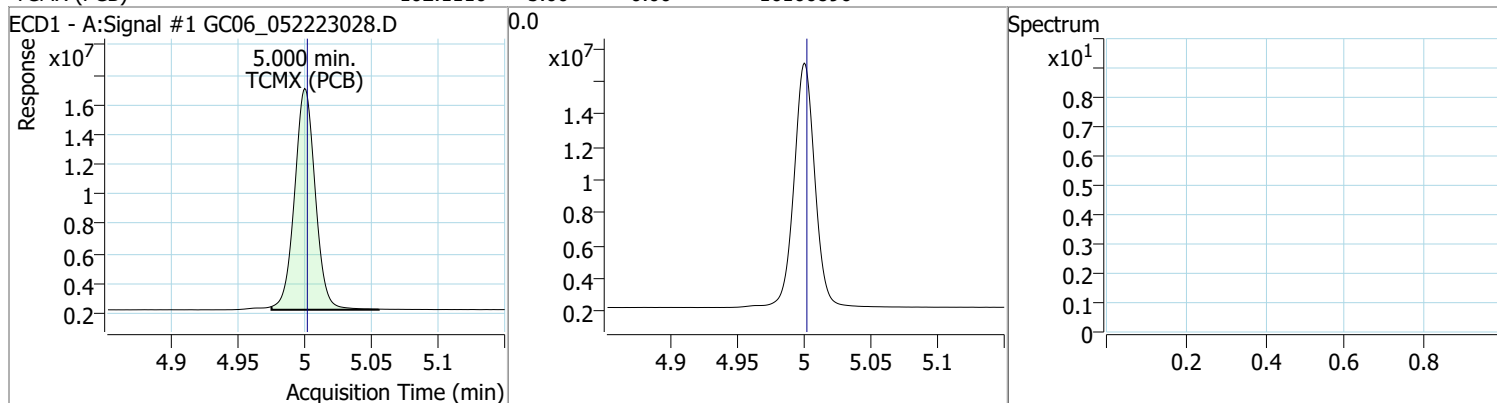
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.365	0.0	4130951.45 3	1249.6334	ng/ml	100
T AR1016 2	5.708	0.0	8196556.92 0	1214.1351	ng/ml	100
T AR1016 1 #2	5.838	0.0	10197357.2 91	1218.9610	ng/ml	100
T AR1016 3	6.169	0.0	10657766.9 41	1237.7248	ng/ml m	100
T AR1016 2 #2	6.262	0.0	21759547.4 17	1158.7807	ng/ml	100
T AR1016 4	6.308	0.0	6487825.57 3	1223.4577	ng/ml	100
T AR1016 5	6.503	0.0	4831227.27 3	1227.5157	ng/ml	100
T AR1016 3 #2	6.809	0.0	27859080.8 53	1234.2958	ng/ml	100
T AR1016 4 #2	6.984	0.0	19768821.4 15	1214.7340	ng/ml	100
T AR1016 5 #2	7.248	0.0	11131193.0 99	1221.6729	ng/ml	100
T AR1260 1	8.671	0.0	11760437.4 35	1191.5529	ng/ml	100
T AR1260 2	9.153	0.0	18103976.2 57	1205.8687	ng/ml	100
T AR1260 3	9.603	0.0	18677708.2 01	1160.6792	ng/ml	100
T AR1260 1 #2	9.862	0.0	26304987.9 81	1155.0923	ng/ml	100
T AR1260 4	10.093	0.0	10651294.2 14	1210.8391	ng/ml	100
T AR1260 2 #2	10.129	0.0	30540147.1 20	1186.5401	ng/ml	100
T AR1260 3 #2	10.564	0.0	38103713.4 81	1153.4885	ng/ml	100
T AR1260 5	10.797	0.0	17360314.0 58	1213.2751	ng/ml	100
T AR1260 4 #2	10.984	0.0	22794319.9 78	1180.7062	ng/ml	100
T AR1260 5 #2	11.654	0.0	33785997.3 93	1204.5277	ng/ml	100

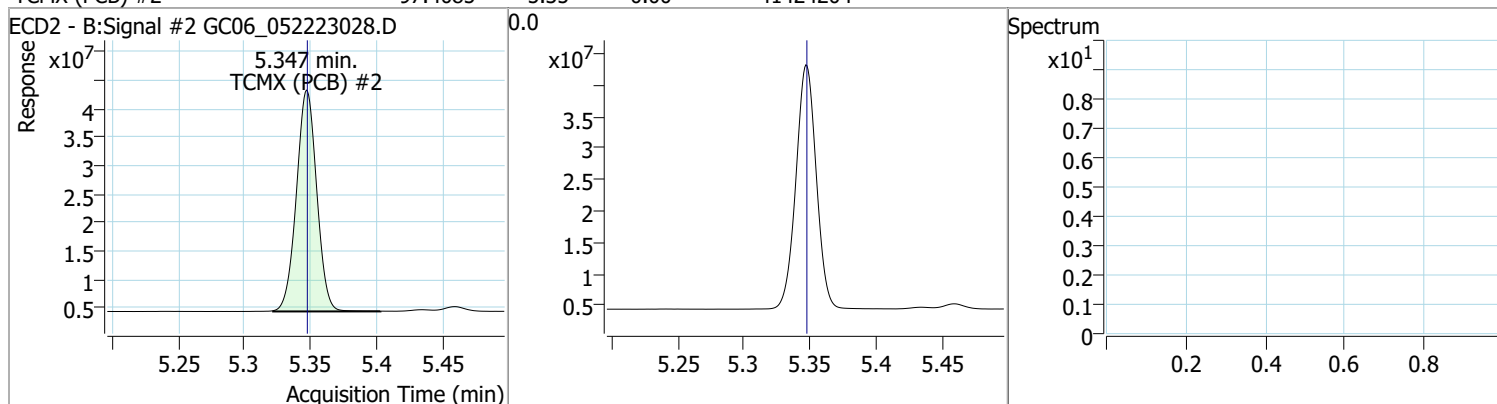
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

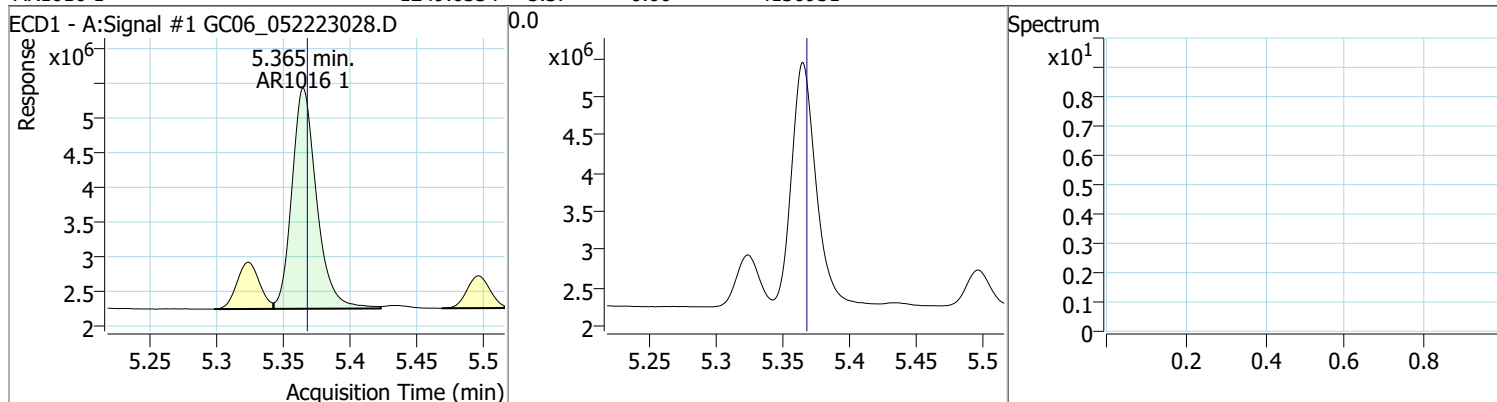
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	102.1110	5.00	0.00	16166896				



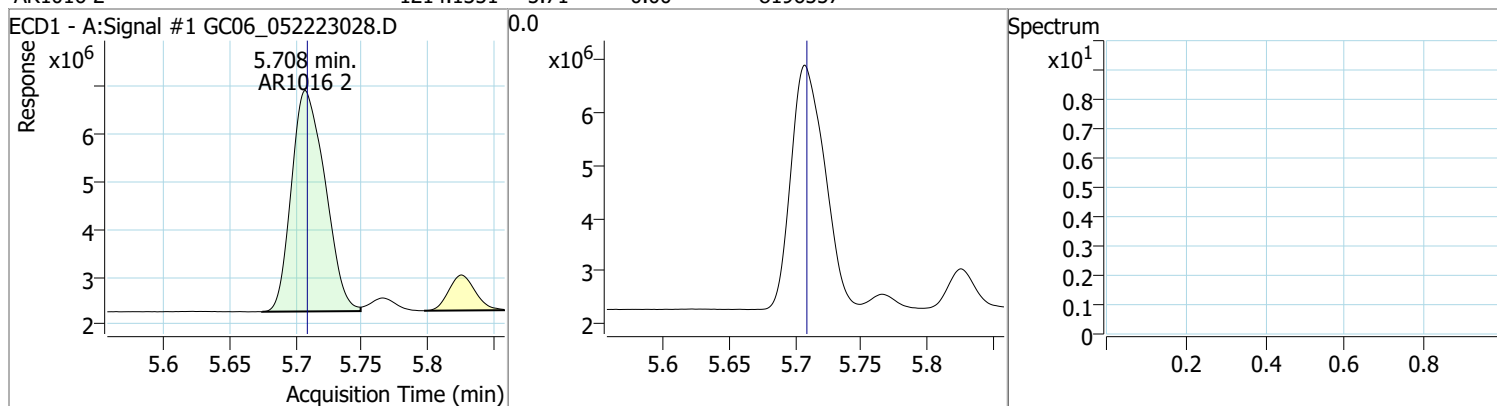
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	97.4085	5.35	0.00	41424204				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1249.6334	5.37	0.00	4130951				

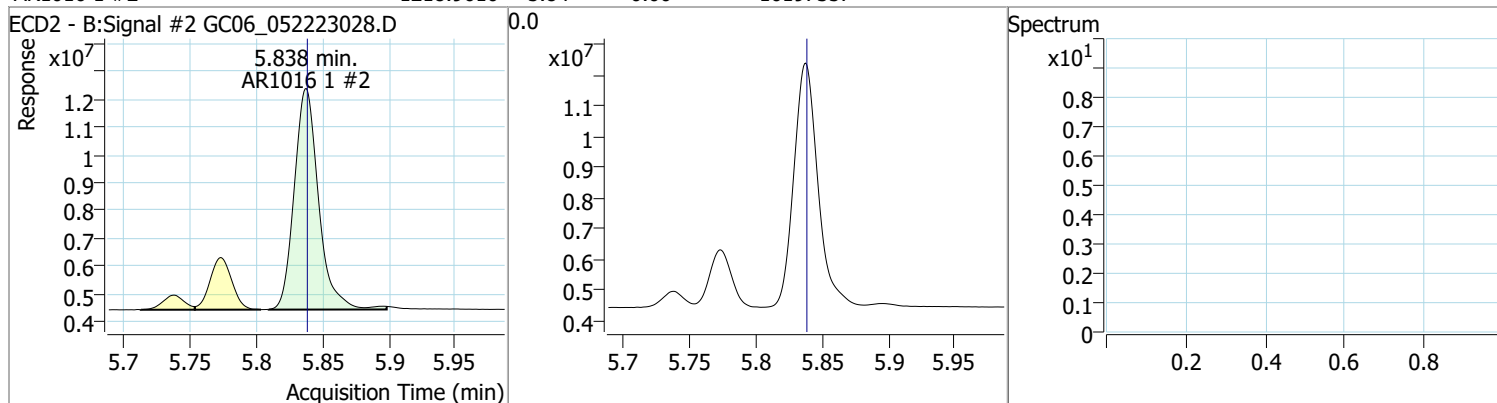


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1214.1351	5.71	0.00	8196557				

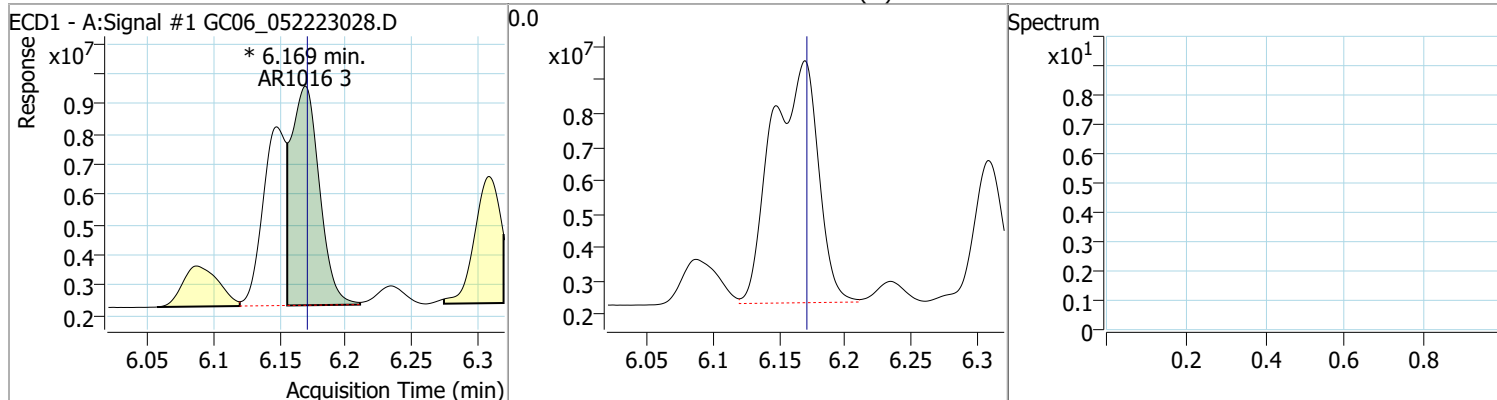


Quantitation Results Report (Not Reviewed)

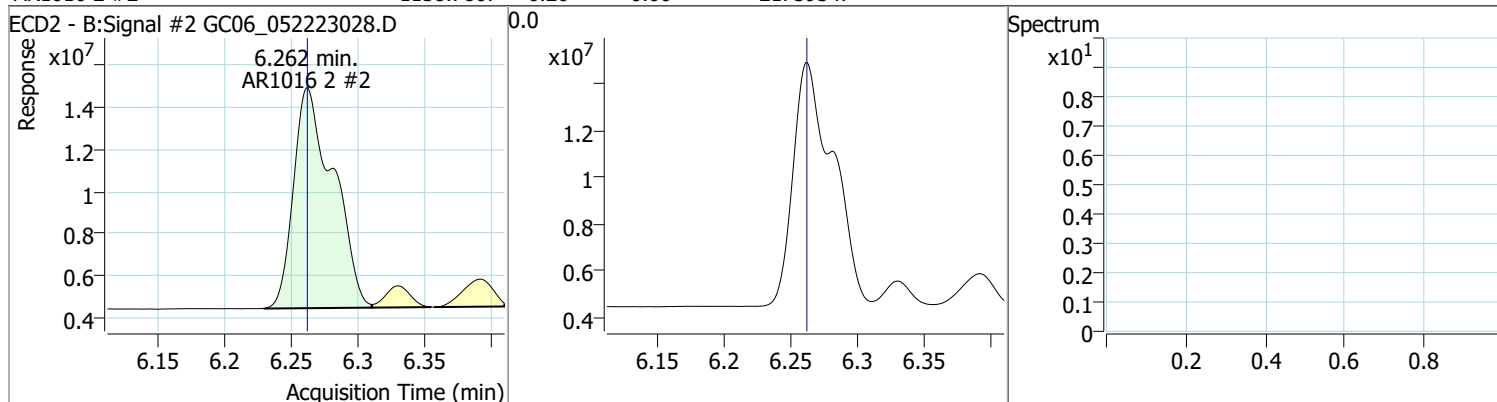
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1218.9610	5.84	0.00	10197357				



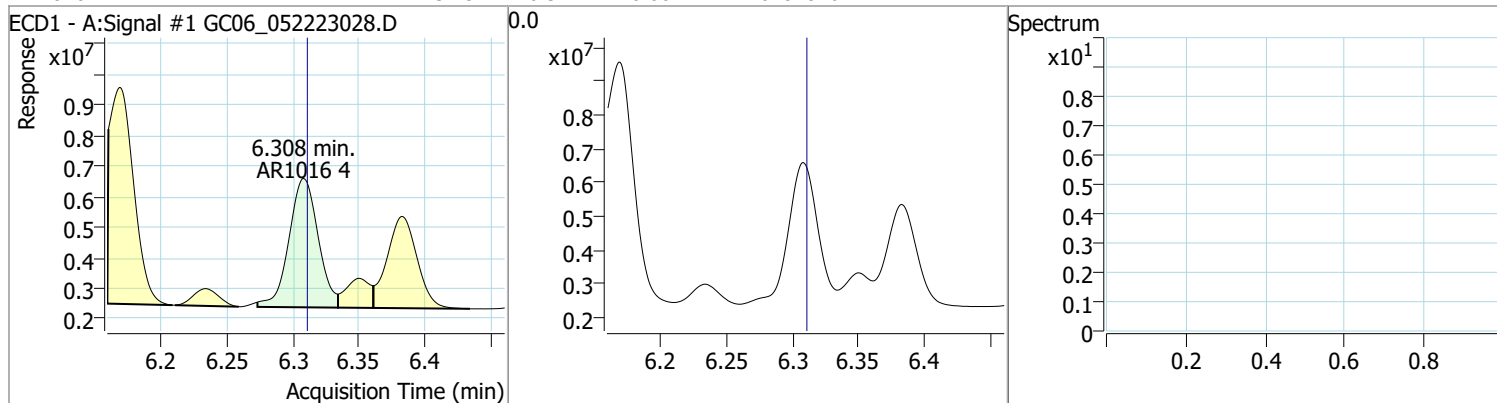
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1237.7248	6.17	0.00	10657767 (m)				



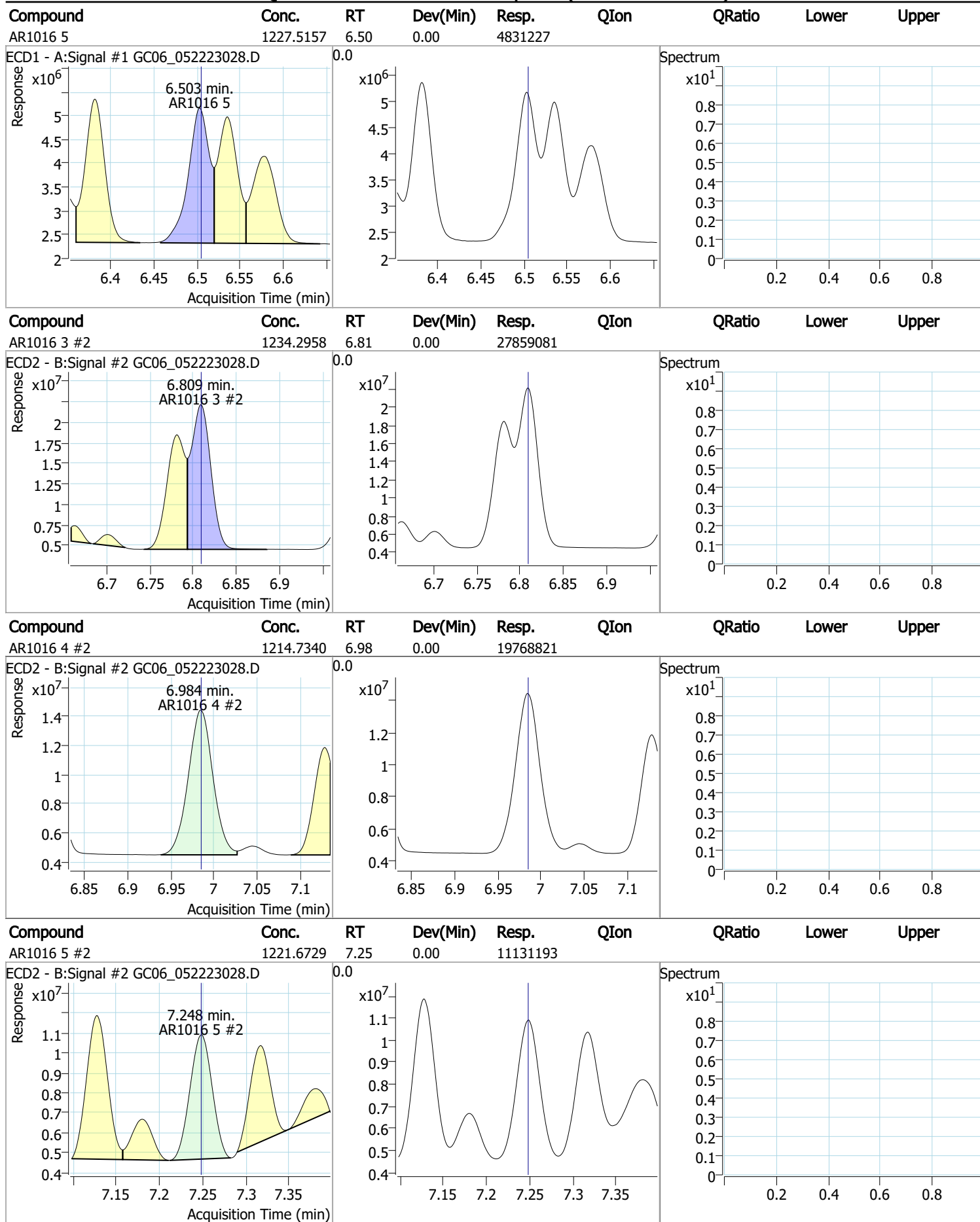
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1158.7807	6.26	0.00	21759547				



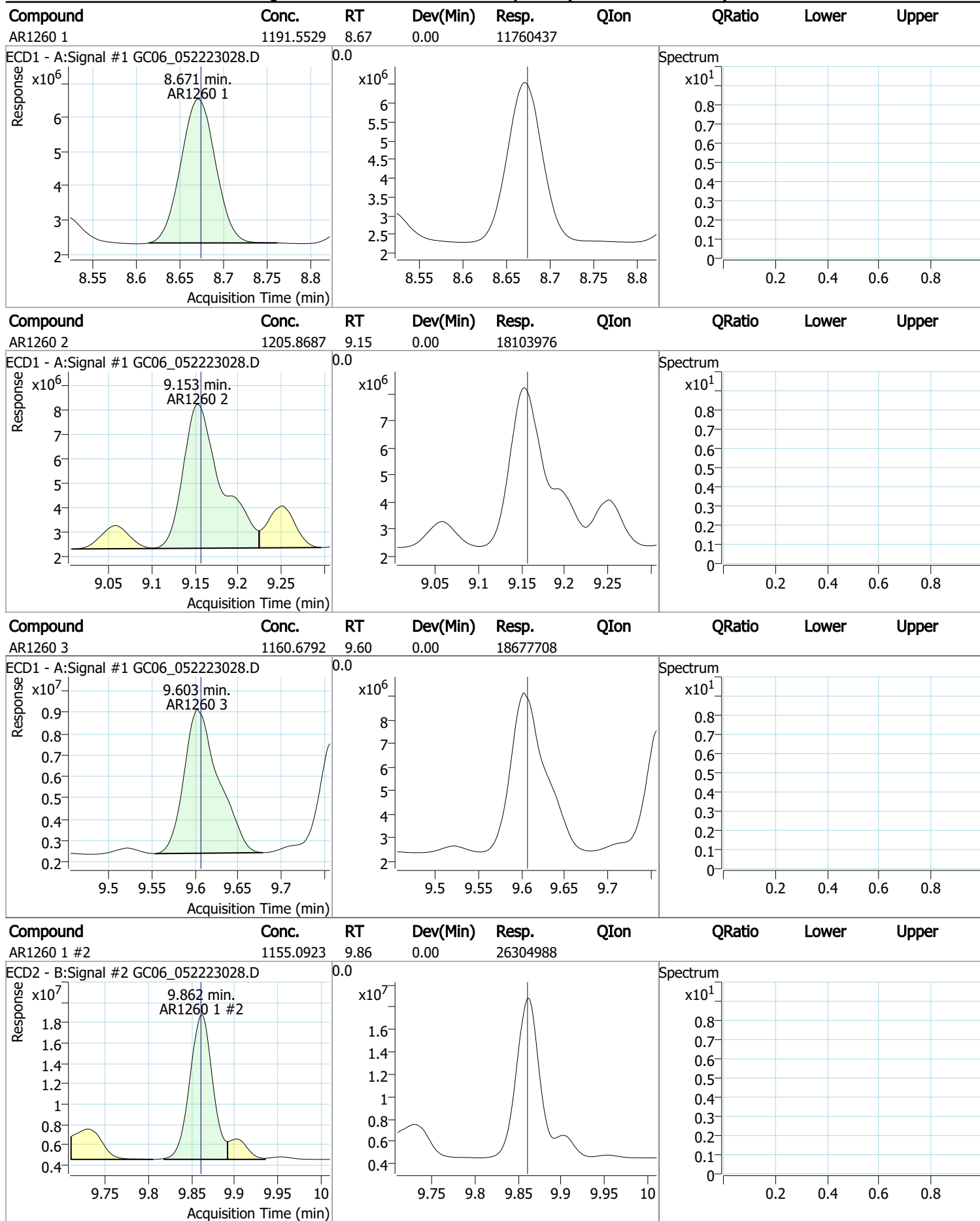
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1223.4577	6.31	0.00	6487826				



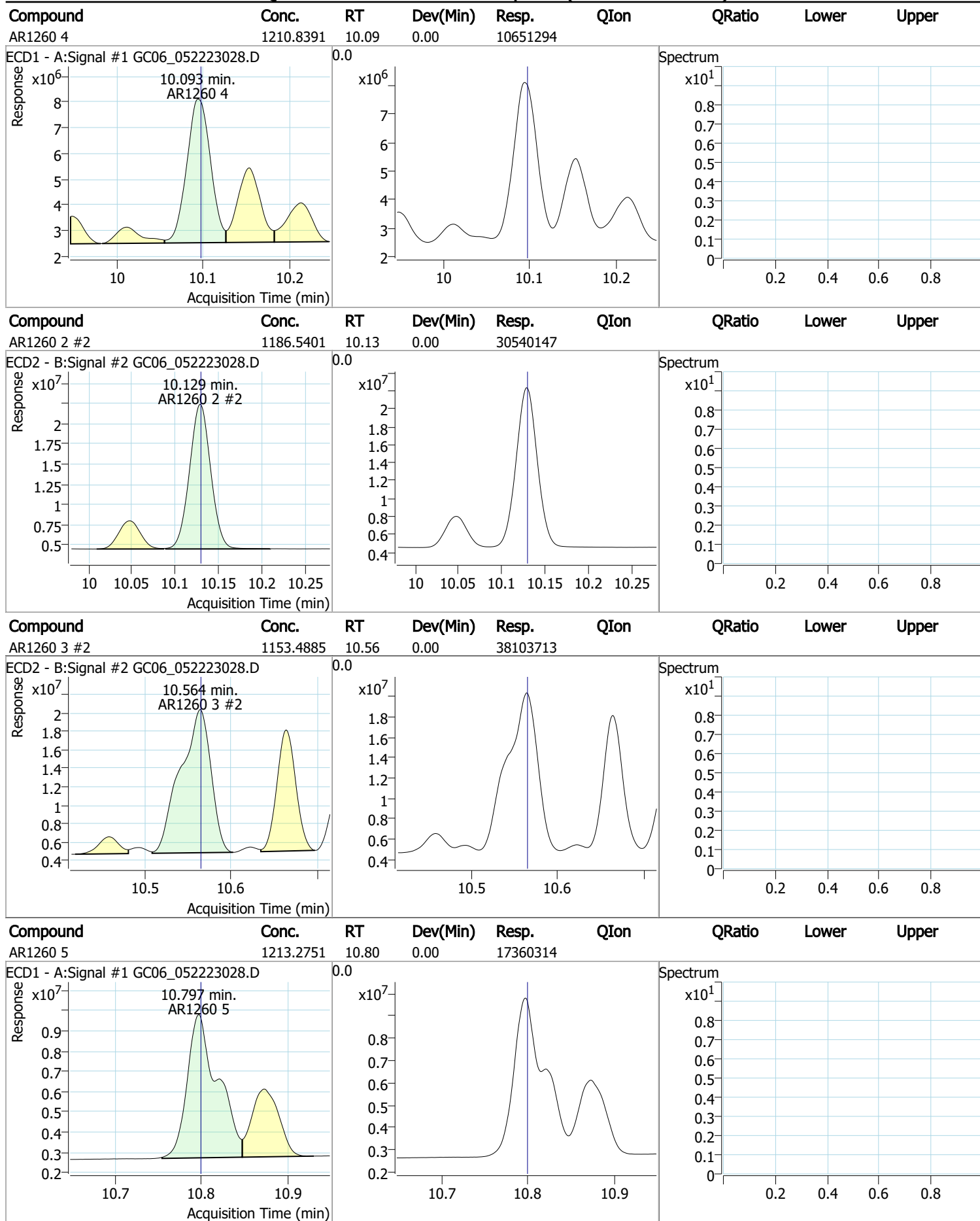
Quantitation Results Report (Not Reviewed)



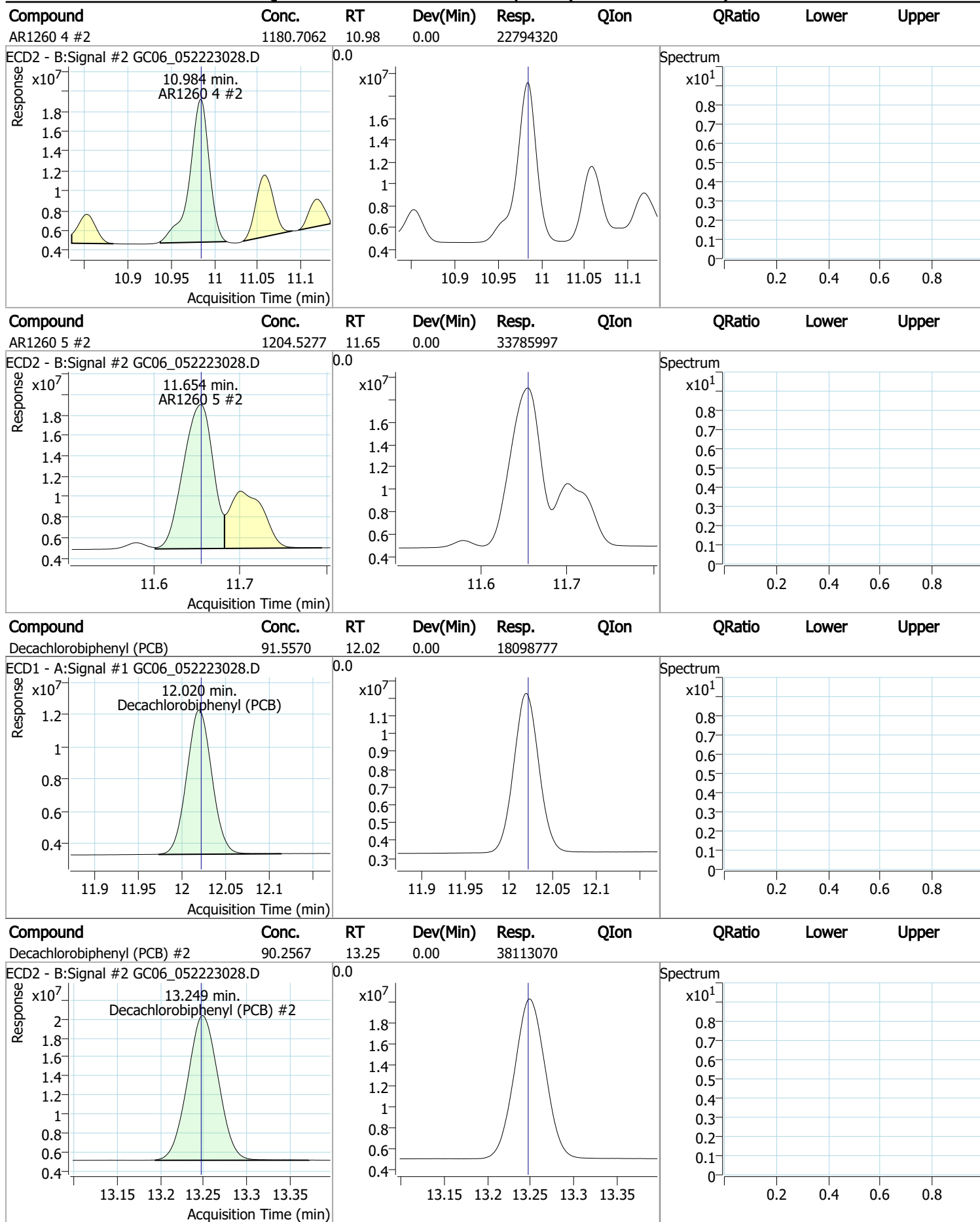
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



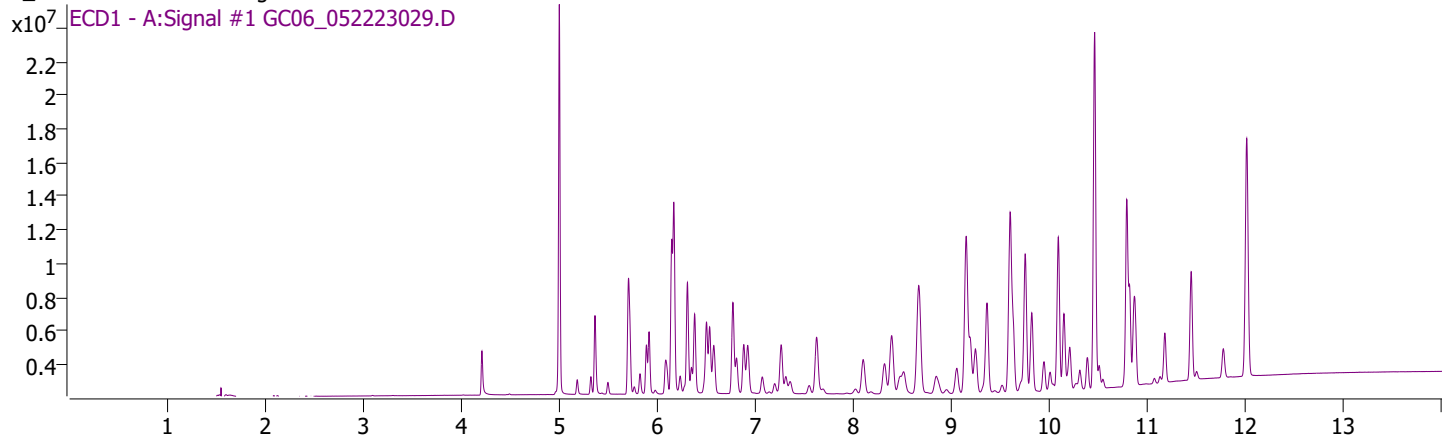
Quantitation Results Report (Not Reviewed)



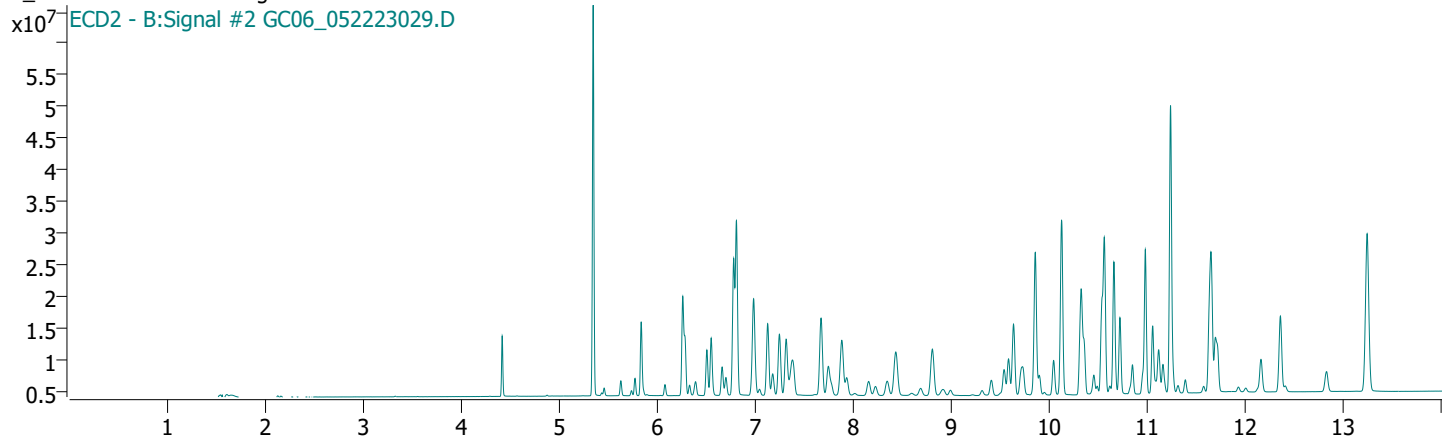
Quantitation Results Report (Not Reviewed)

Data File	GC06_052223029.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 10:51:18 PM
Sample Name	ICAL, S18188	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:35:07 PM
Ref Library			

GC06_052223029.D No MS Signals



GC06_052223029.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	3160953.52 2	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.417	0.0	8708626.25 0	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.000	0.0	25030409.1 75	149.3777	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 746.89%	*	
S TCMX (PCB) #2	5.346	0.0	64295492.1 09	139.5813	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 697.91%	*	
S Decachlorobiphenyl (PCB)	12.019	0.0	28685981.8 09	137.1148	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 685.57%	*	
S Decachlorobiphenyl (PCB) #2	13.248	0.0	59749651.3 64	130.6306	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 653.15%	*	

Target Compounds

QValue

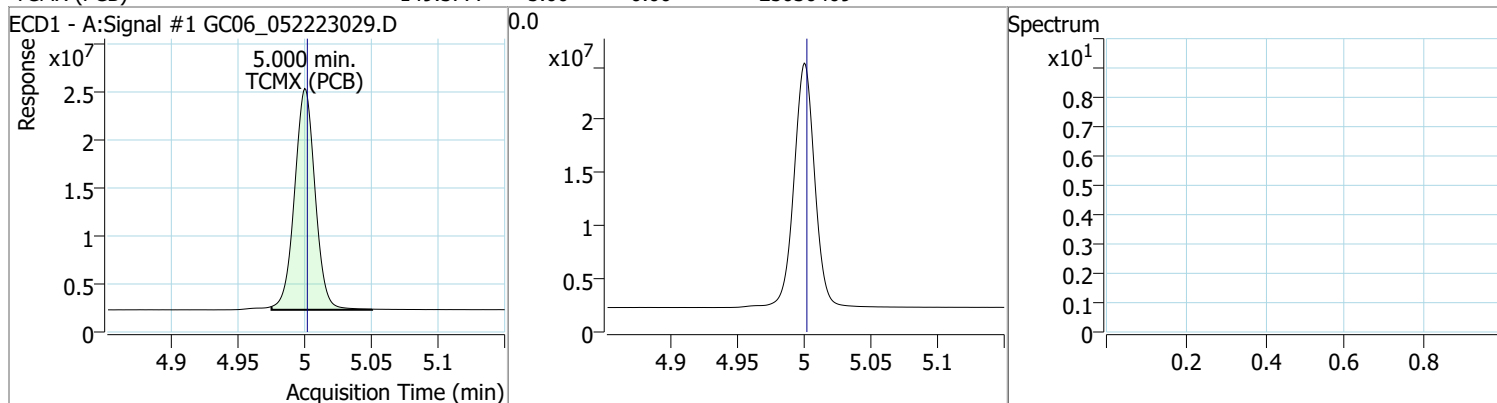
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.364	0.0	6111222.29 4	1746.7582	ng/ml	100
T AR1016 2	5.707	0.0	12227855.0 91	1711.4256	ng/ml	100
T AR1016 1 #2	5.837	0.0	15232880.4 32	1681.0803	ng/ml	100
T AR1016 3	6.169	0.0	15869224.2 76	1741.3487	ng/ml m	100
T AR1016 2 #2	6.261	0.0	32724417.4 12	1608.8944	ng/ml	100
T AR1016 4	6.308	0.0	9777963.89 4	1742.2497	ng/ml	100
T AR1016 5	6.503	0.0	7149301.58 2	1716.3481	ng/ml	100
T AR1016 3 #2	6.808	0.0	43067076.5 09	1761.5789	ng/ml	100
T AR1016 4 #2	6.984	0.0	30031294.7 20	1703.6435	ng/ml	100
T AR1016 5 #2	7.248	0.0	16814382.6 25	1703.7207	ng/ml	100
T AR1260 1	8.670	0.0	18234205.6 12	1745.6166	ng/ml	100
T AR1260 2	9.154	0.0	27664782.7 87	1741.1071	ng/ml	100
T AR1260 3	9.603	0.0	29097860.5 52	1708.5270	ng/ml	100
T AR1260 1 #2	9.860	0.0	40763768.1 58	1652.5597	ng/ml	100
T AR1260 4	10.095	0.0	16560328.5 27	1778.7921	ng/ml	100
T AR1260 2 #2	10.129	0.0	47655773.7 97	1709.3504	ng/ml	100
T AR1260 3 #2	10.564	0.0	59893964.6 10	1673.9145	ng/ml	100
T AR1260 5	10.794	0.0	27496413.5 34	1815.7244	ng/ml m	100
T AR1260 4 #2	10.983	0.0	35335043.9 54	1689.7602	ng/ml	100
T AR1260 5 #2	11.653	0.0	53682827.7 20	1766.9314	ng/ml	100

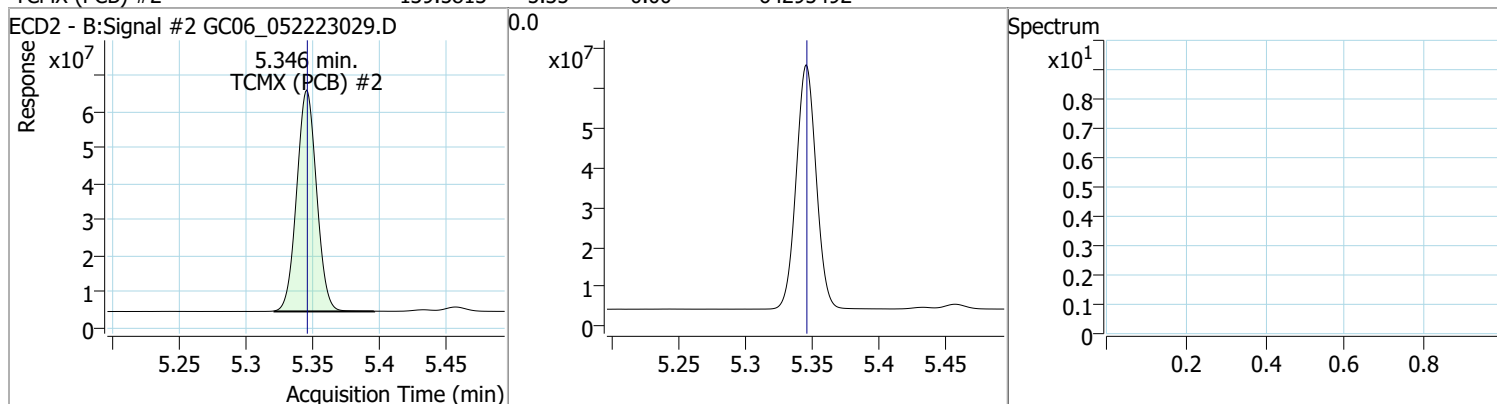
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

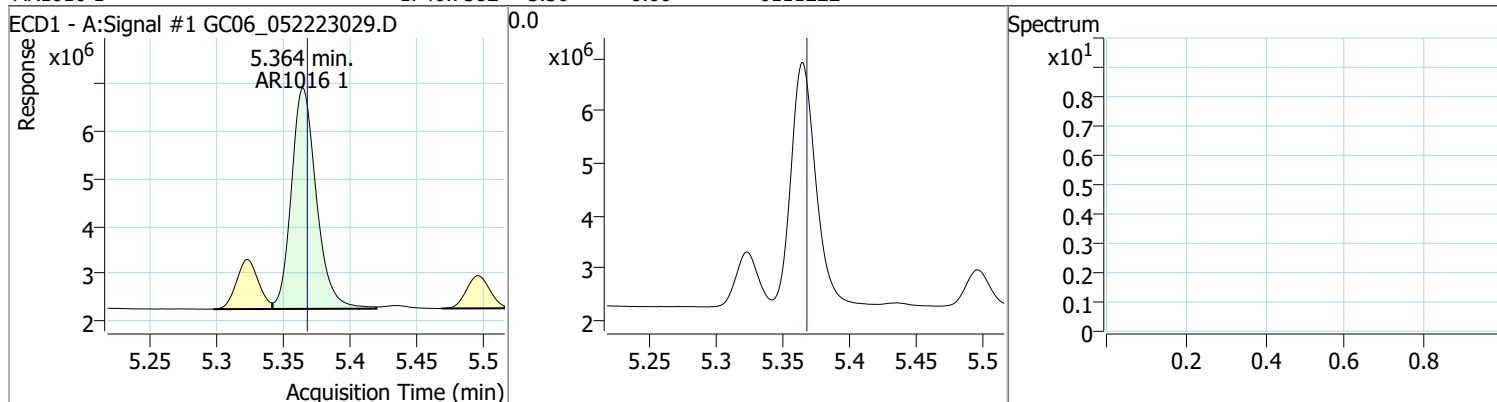
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	149.3777	5.00	0.00	25030409				



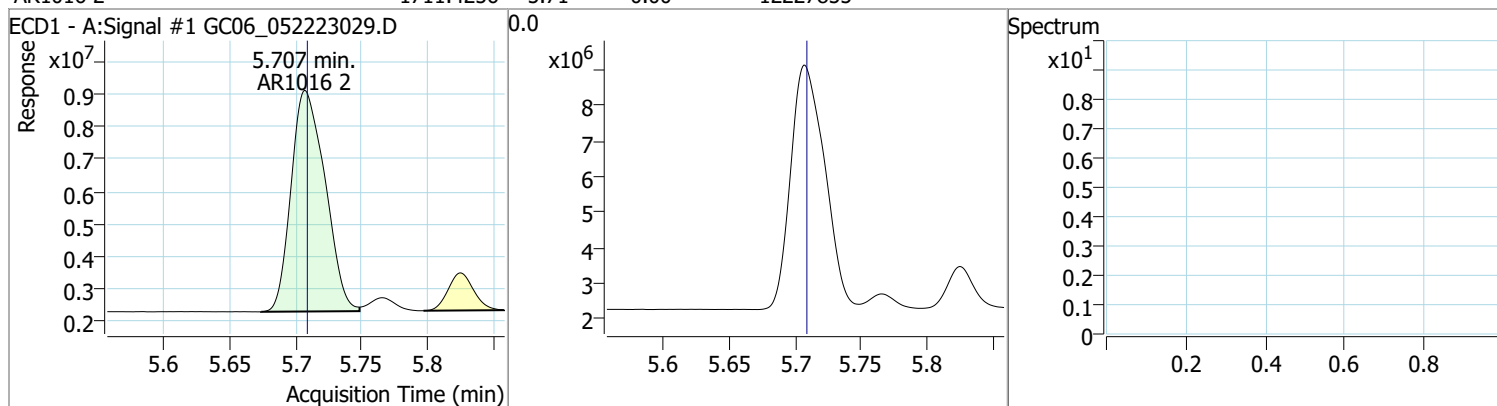
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	139.5813	5.35	0.00	64295492				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1746.7582	5.36	0.00	6111222				

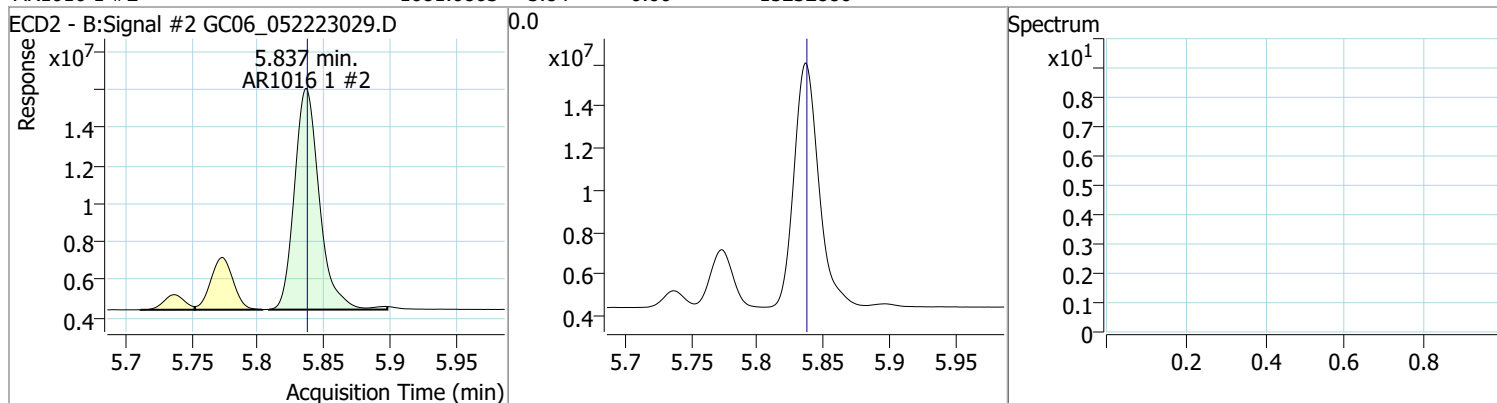


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1711.4256	5.71	0.00	12227855				

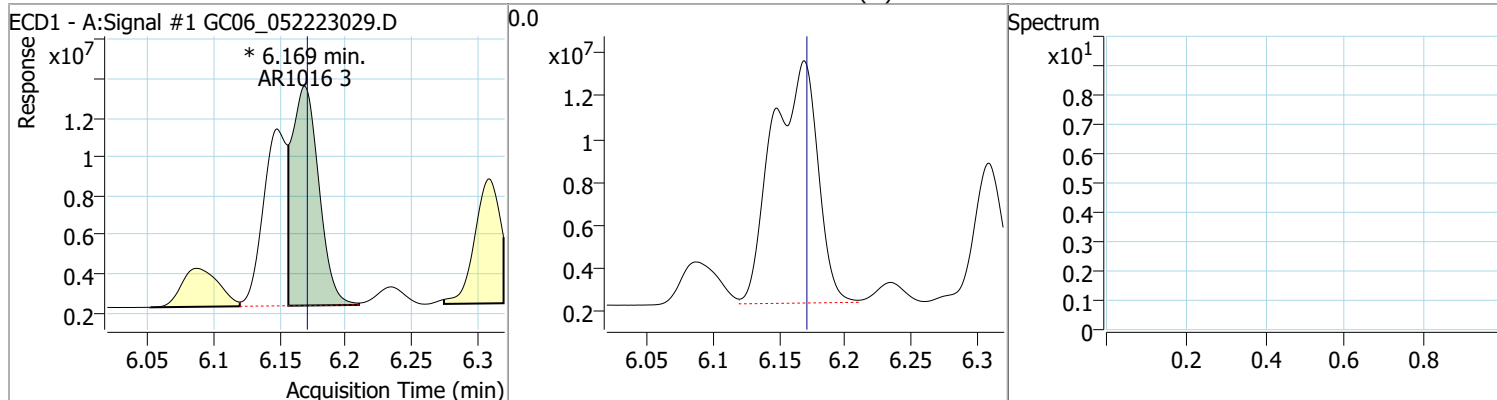


Quantitation Results Report (Not Reviewed)

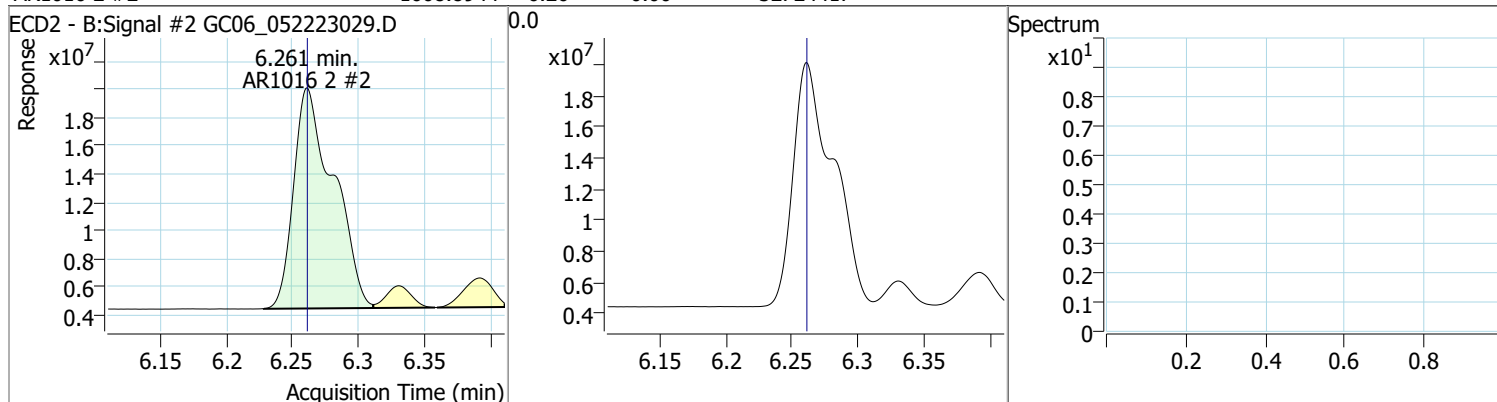
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1681.0803	5.84	0.00	15232880				



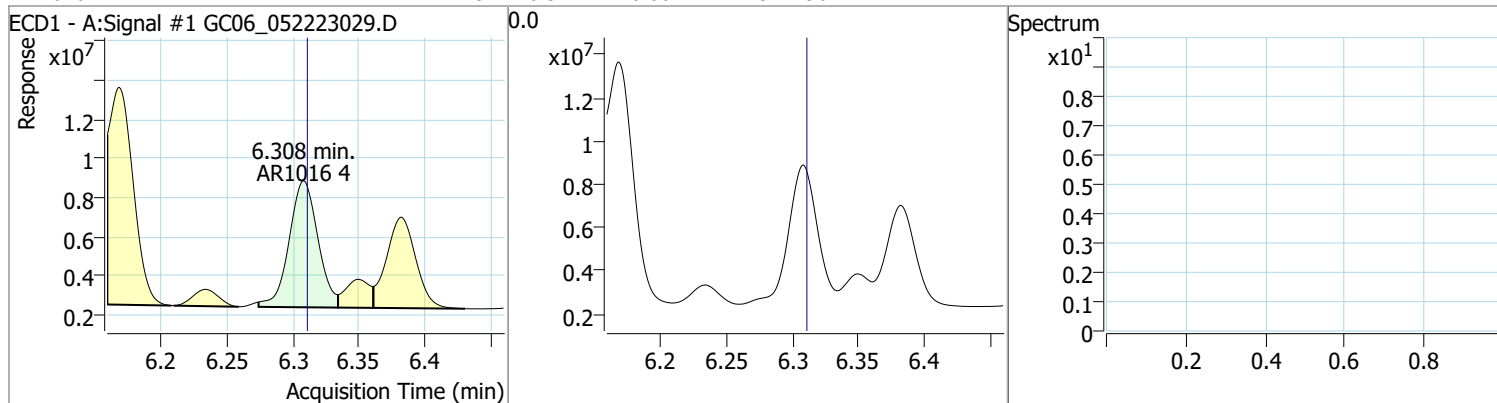
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1741.3487	6.17	0.00	15869224 (m)				



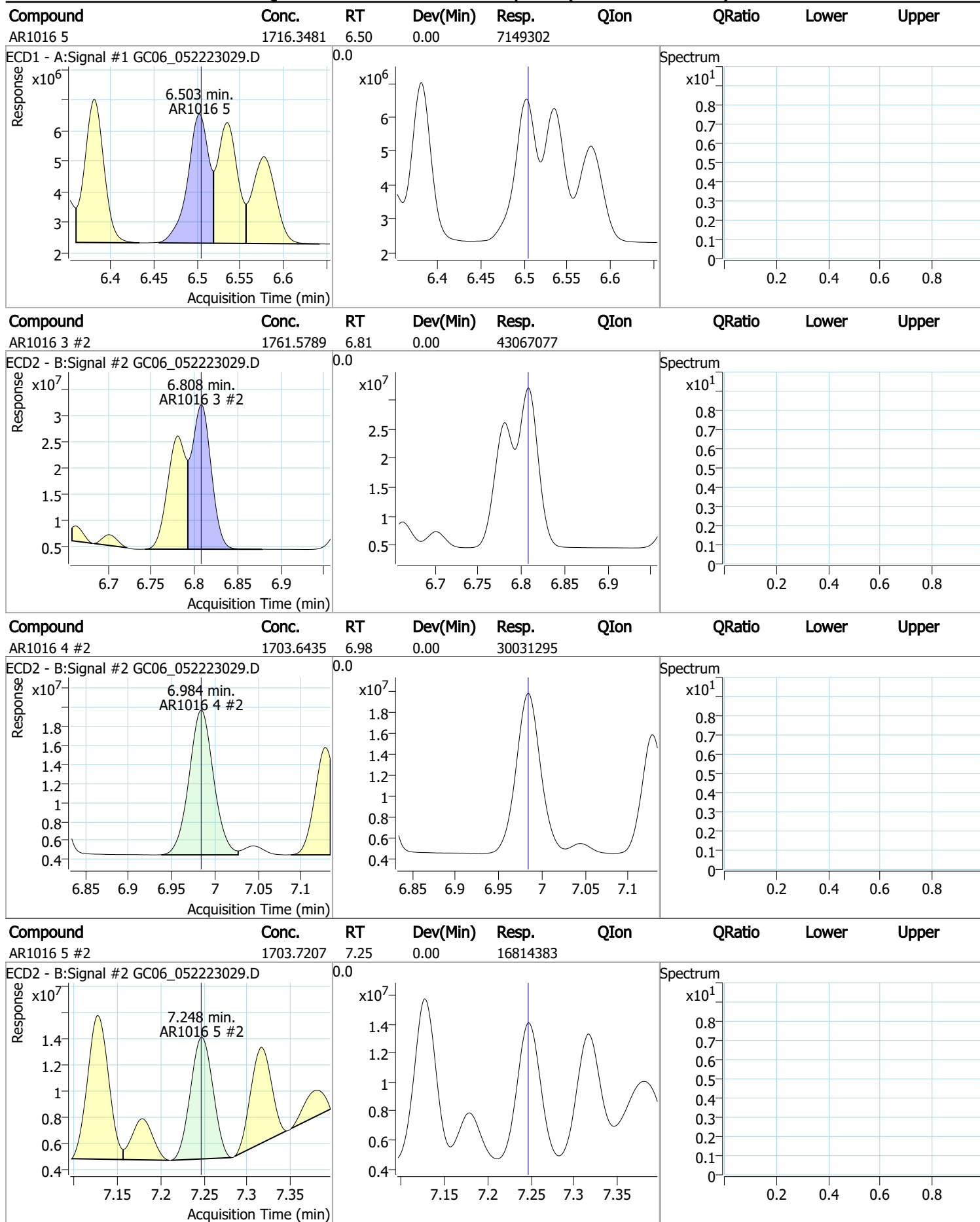
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1608.8944	6.26	0.00	32724417				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1742.2497	6.31	0.00	9777964				

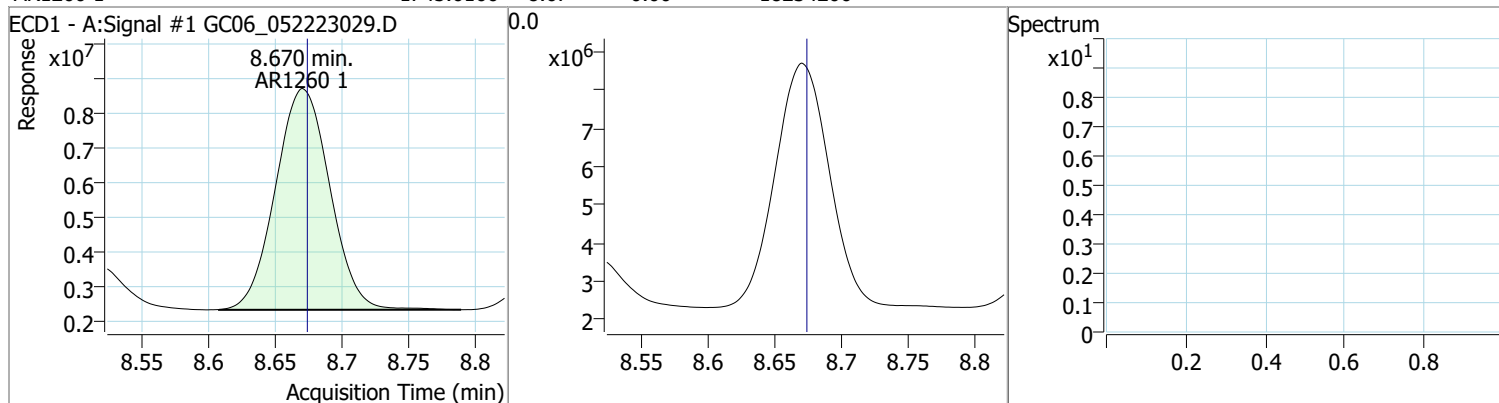


Quantitation Results Report (Not Reviewed)

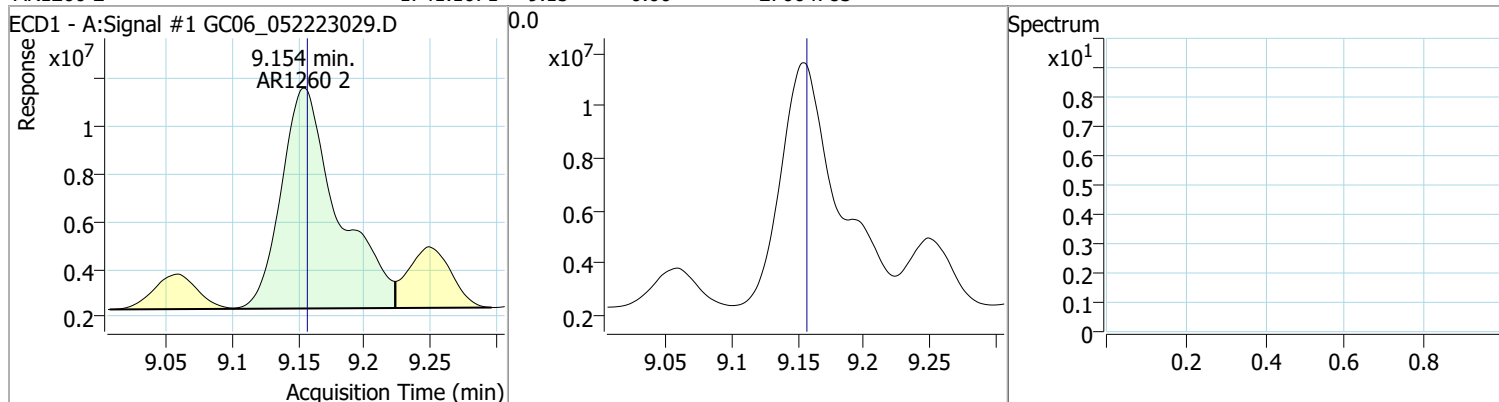


Quantitation Results Report (Not Reviewed)

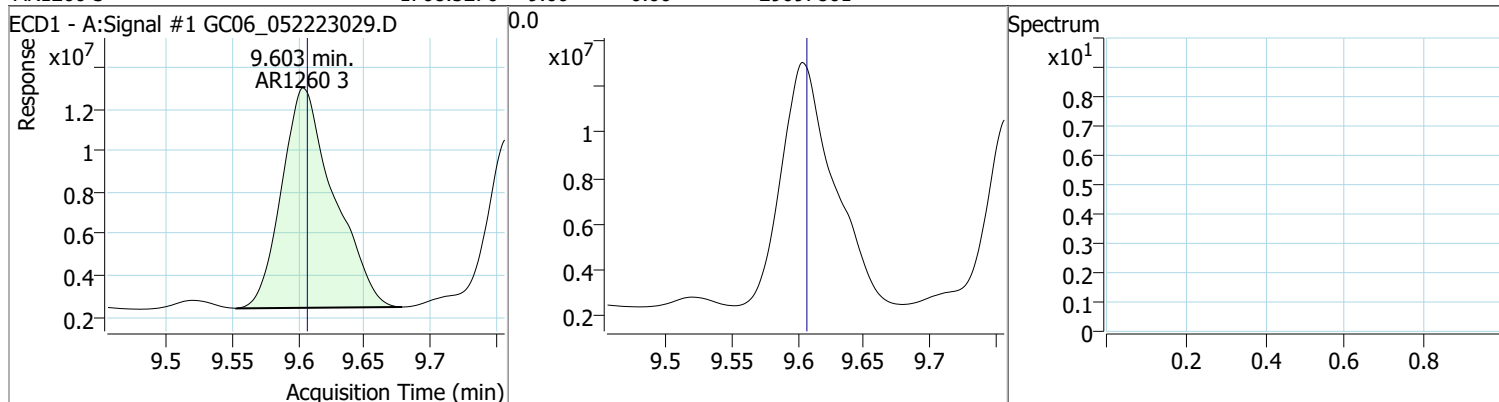
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1745.6166	8.67	0.00	18234206				



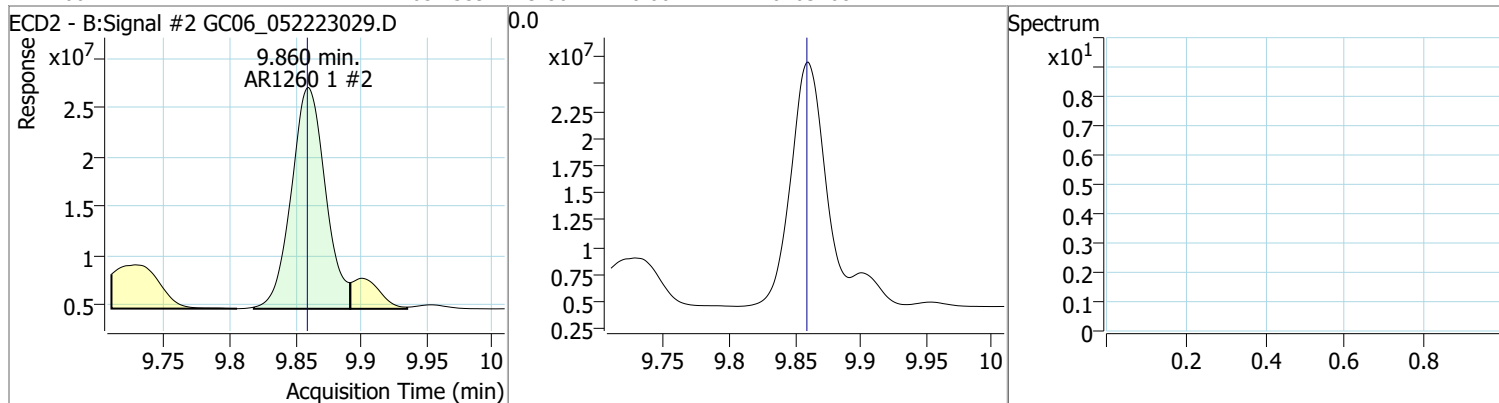
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1741.1071	9.15	0.00	27664783				



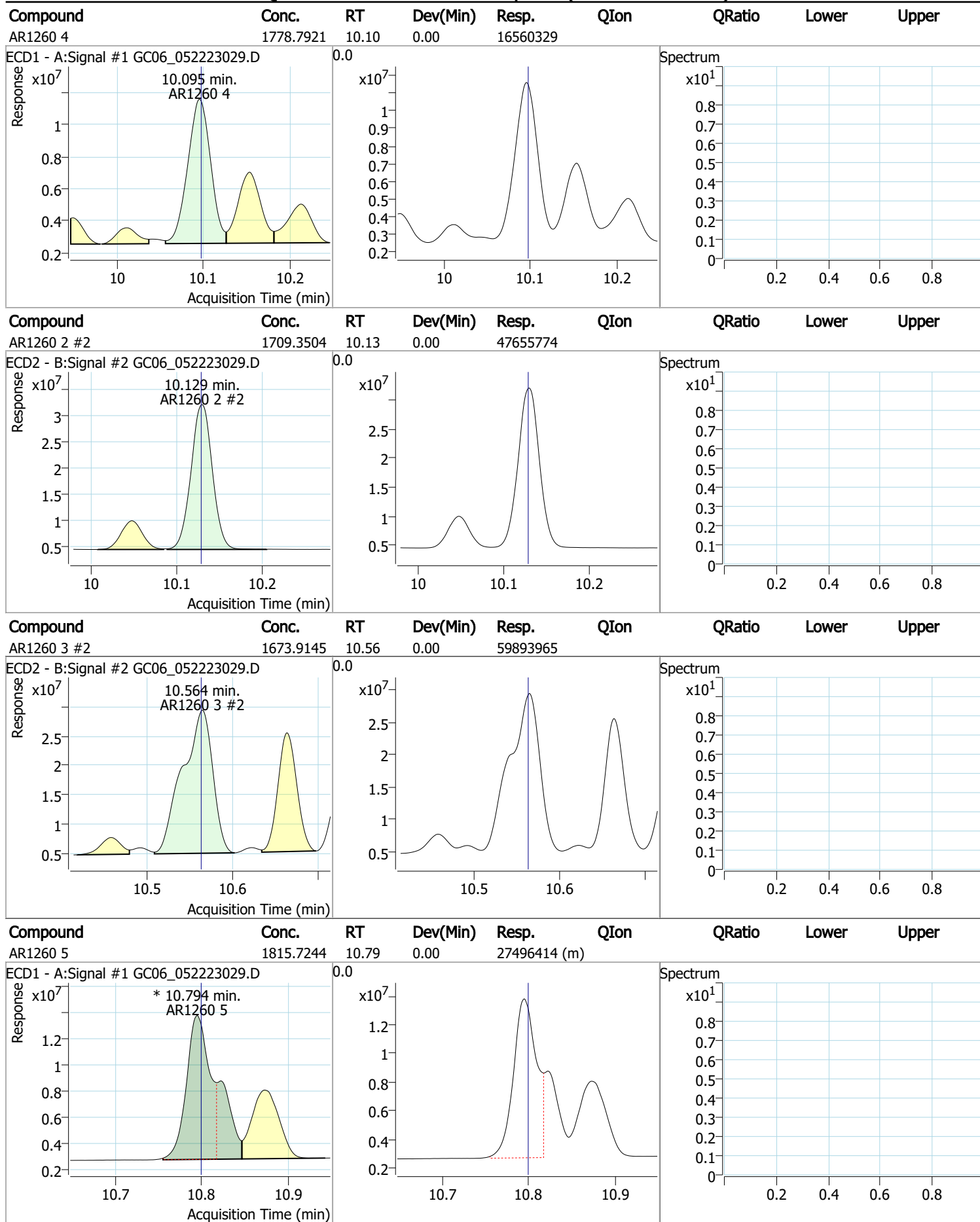
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1708.5270	9.60	0.00	29097861				



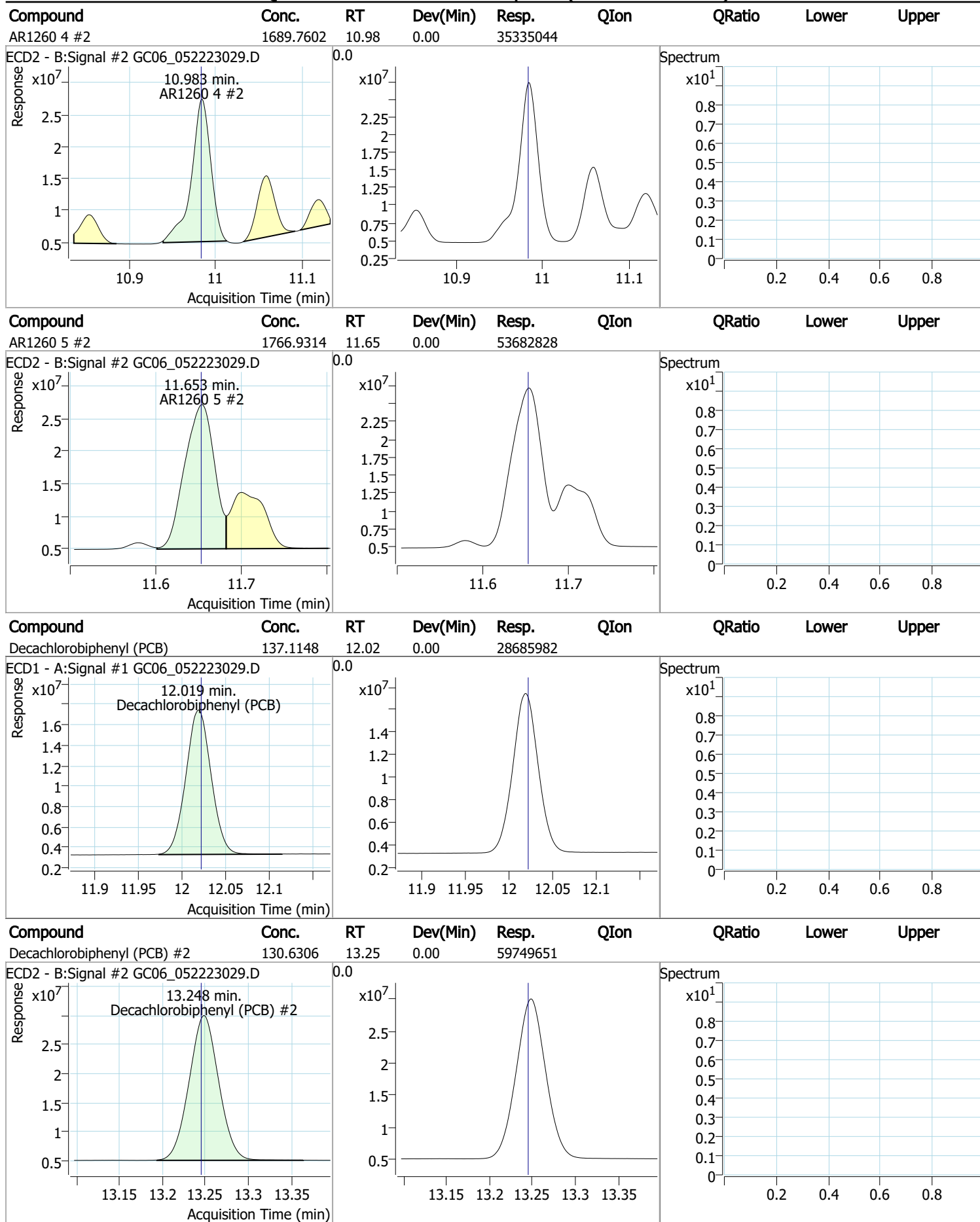
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1652.5597	9.86	0.00	40763768				



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)

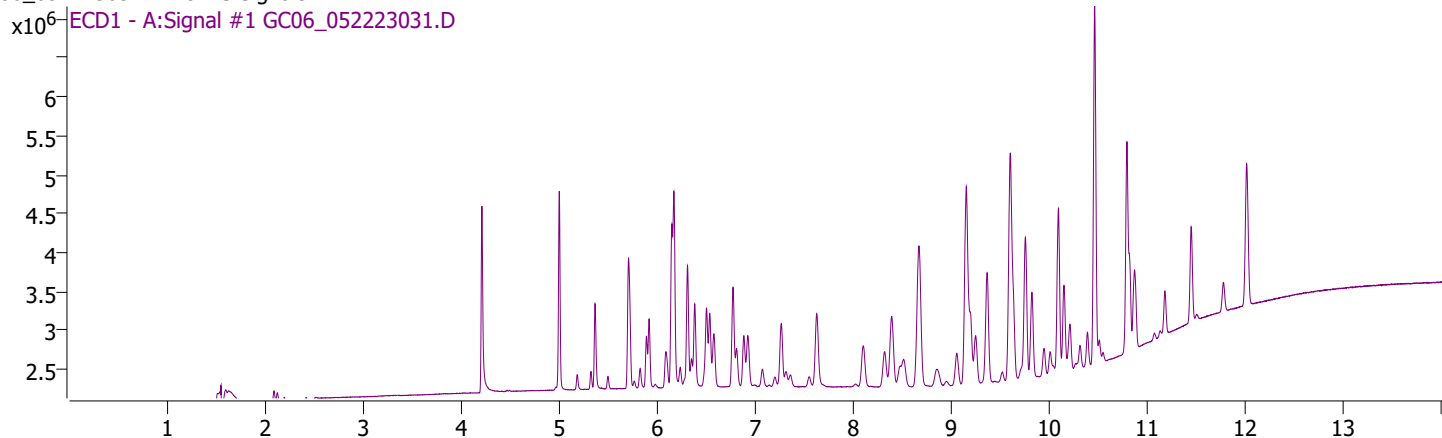


Quantitation Results Report (Not Reviewed)

Data File	GC06_052223031.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	5/22/2023 11:27:51 PM
Sample Name	ICV, S18189	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_052223_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	052223PCBICAL.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

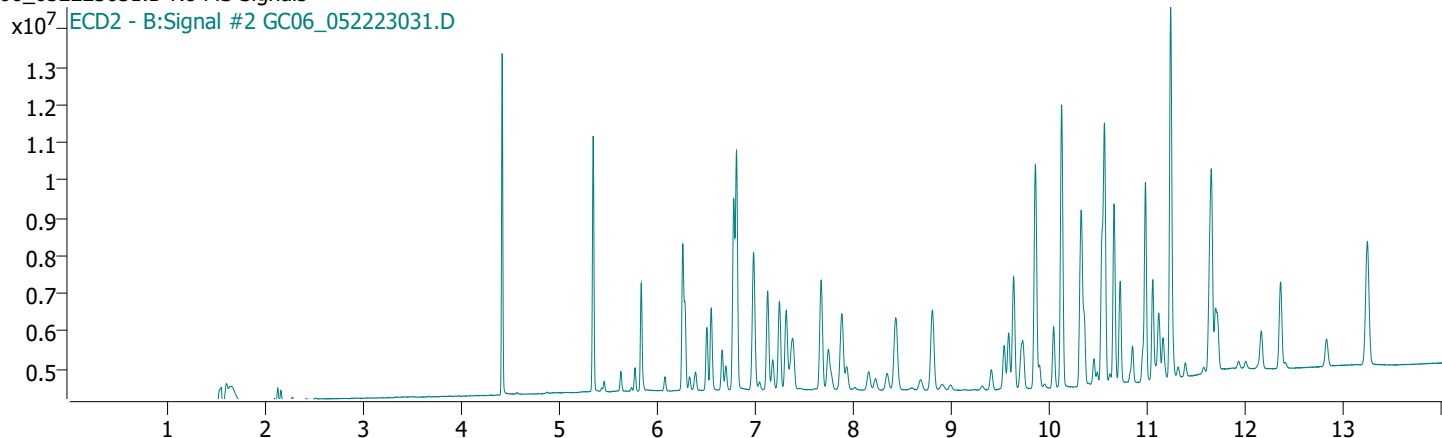
GC06_052223031.D No MS Signals

x10⁶ ECD1 - A:Signal #1 GC06_052223031.D



GC06_052223031.D No MS Signals

x10⁷ ECD2 - B:Signal #2 GC06_052223031.D



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.210	0.0	2965086.26 9	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.417	0.0	8144012.69 8	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	5.000	0.0	2931967.14 3	18.5566	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 92.78%		
S TCMX (PCB) #2	5.346	0.0	7455081.71 2	17.2571	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 86.29%		
S Decachlorobiphenyl (PCB)	12.017	0.0	3695856.36 2	18.6794	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.40%		
S Decachlorobiphenyl (PCB) #2	13.249	0.0	8082909.83 2	18.7941	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.97%		

Target Compounds

QValue

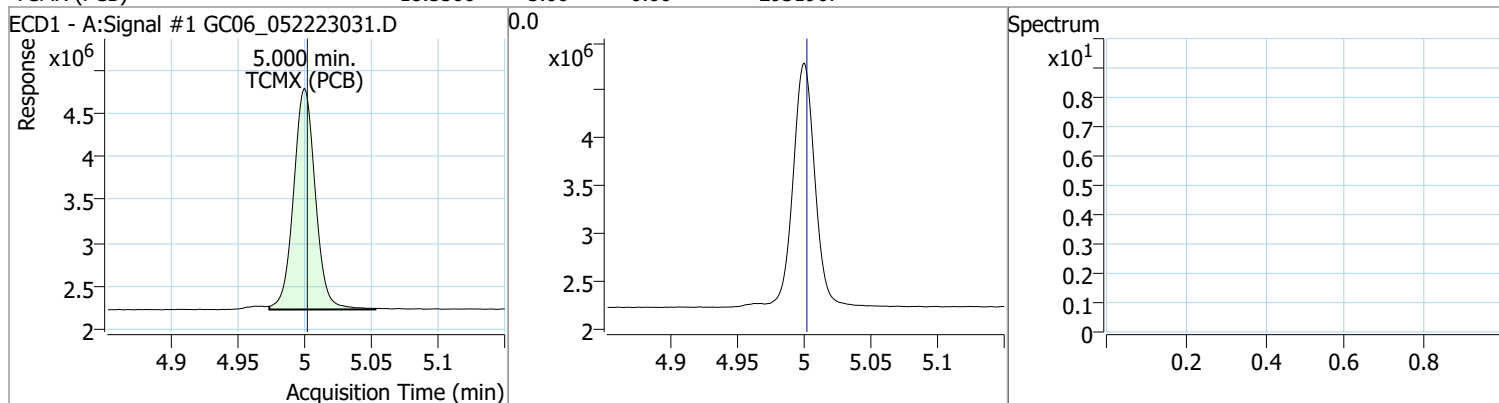
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.365	0.0	1332421.40 0	402.8922	ng/ml m	100
T AR1016 2	5.708	0.0	2964713.59 5	441.5635	ng/ml	100
T AR1016 1 #2	5.837	0.0	3640723.50 7	429.1921	ng/ml	100
T AR1016 3	6.170	0.0	3642631.28 5	424.4663	ng/ml m	100
T AR1016 2 #2	6.261	0.0	7985254.36 5	419.0600	ng/ml	100
T AR1016 4	6.309	0.0	2299146.96 2	444.4953	ng/ml	100
T AR1016 5	6.503	0.0	1692917.79 6	427.9434	ng/ml	100
T AR1016 3 #2	6.808	0.0	9914511.35 2	432.4020	ng/ml	100
T AR1016 4 #2	6.983	0.0	7064071.26 1	428.0494	ng/ml	100
T AR1016 5 #2	7.248	0.0	3988594.70 0	453.0992	ng/ml	100
T AR1260 1	8.672	0.0	5089637.34 0	519.0721	ng/ml	100
T AR1260 2	9.155	0.0	7801118.04 9	521.1614	ng/ml	100
T AR1260 3	9.604	0.0	8028245.33 5	501.9373	ng/ml	100
T AR1260 1 #2	9.861	0.0	11176479.3 52	486.6178	ng/ml	100
T AR1260 4	10.095	0.0	3839797.73 8	440.6434	ng/ml	100
T AR1260 2 #2	10.128	0.0	13040618.8 84	503.5826	ng/ml	100
T AR1260 3 #2	10.564	0.0	16611472.4 26	501.2718	ng/ml	100
T AR1260 5	10.795	0.0	6181032.63 1	448.5989	ng/ml	100
T AR1260 4 #2	10.983	0.0	8587878.65 4	443.6775	ng/ml	100
T AR1260 5 #2	11.655	0.0	12526222.1 08	446.4757	ng/ml	100

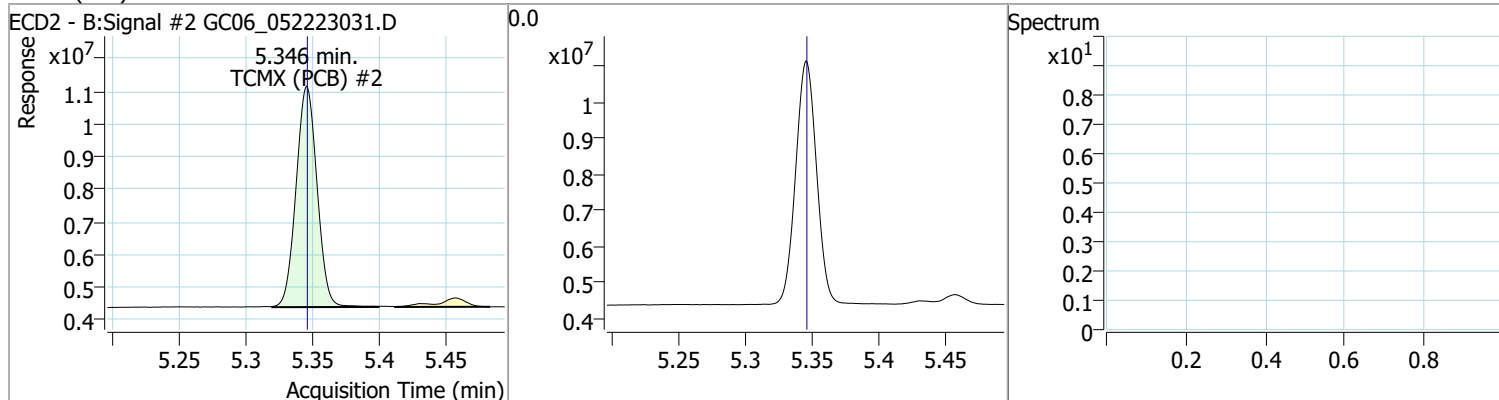
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

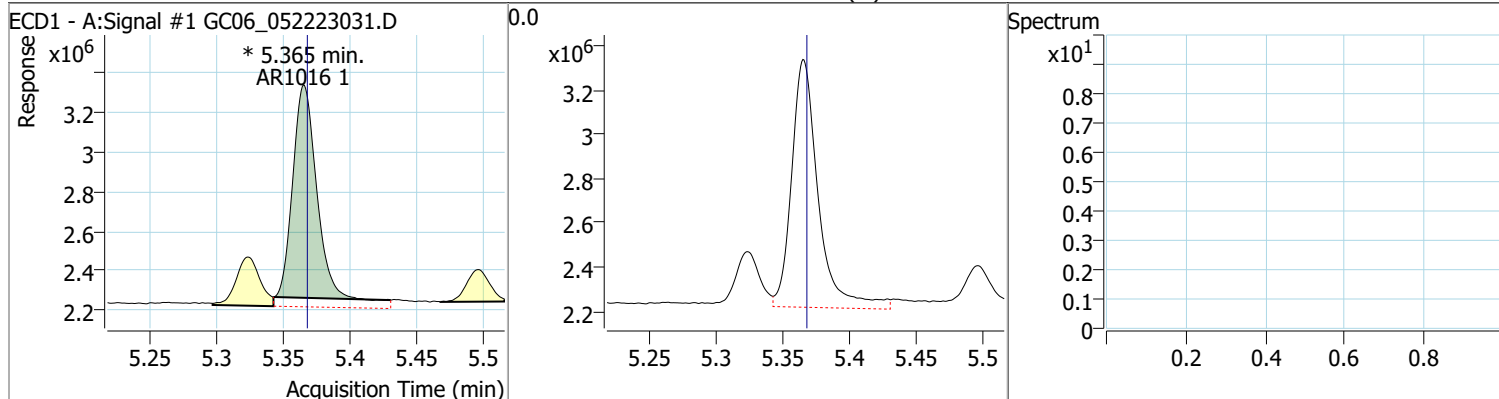
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.5566	5.00	0.00	2931967				



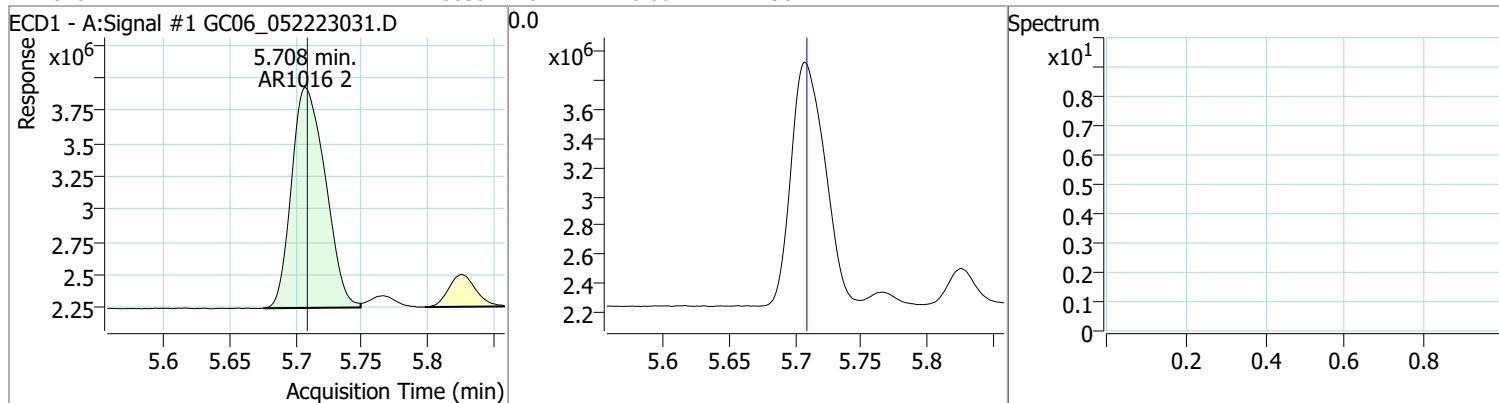
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	17.2571	5.35	0.00	7455082				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	402.8922	5.37	0.00	1332421 (m)				

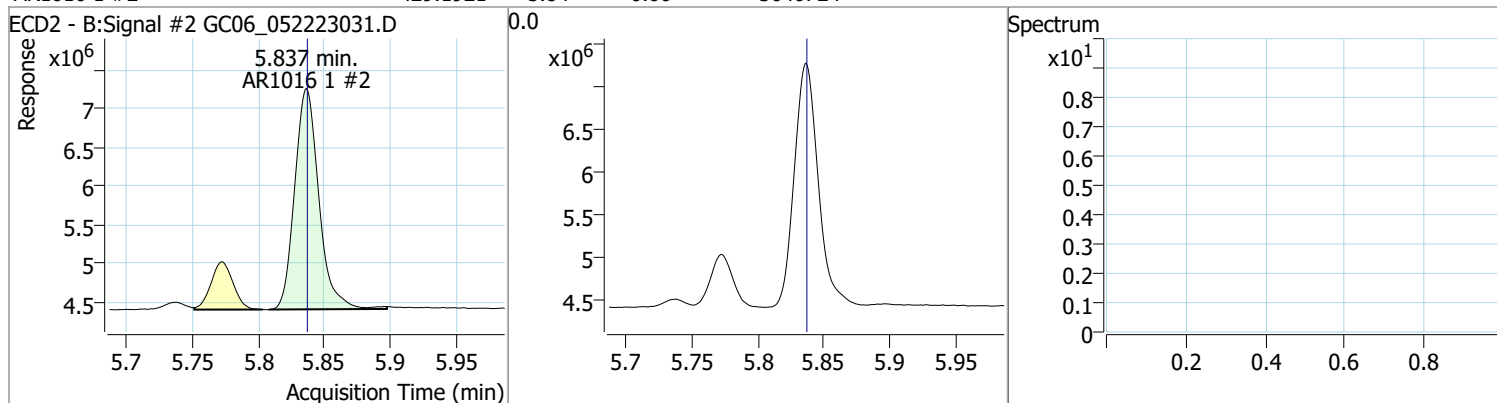


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	441.5635	5.71	0.00	2964714				

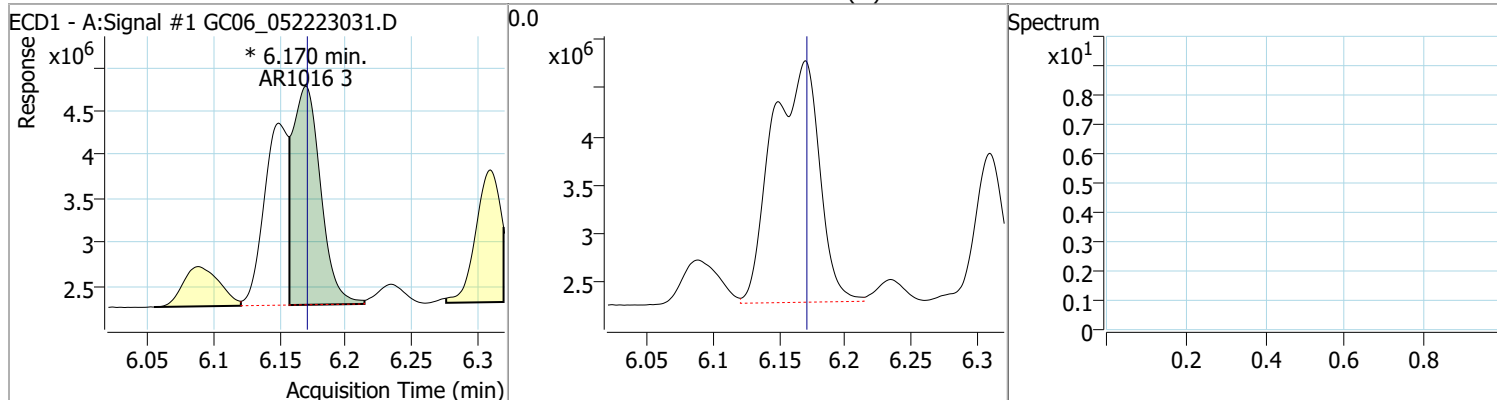


Quantitation Results Report (Not Reviewed)

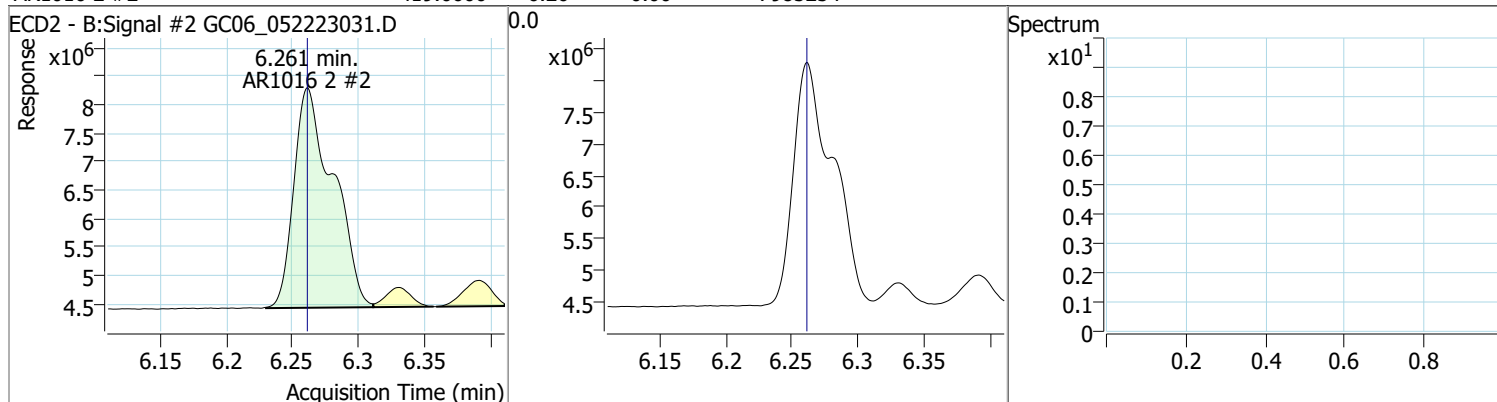
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	429.1921	5.84	0.00	3640724				



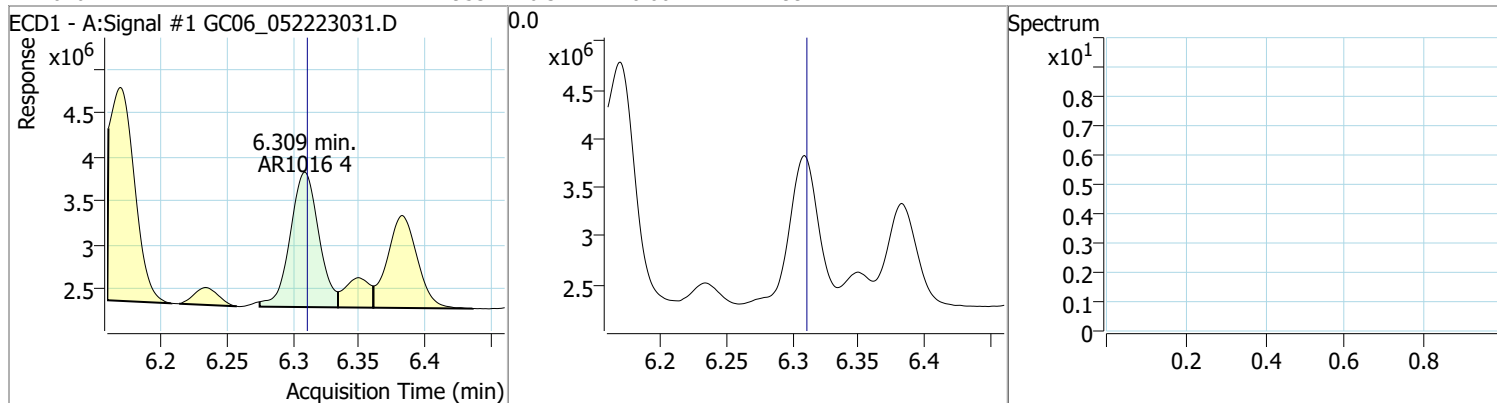
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	424.4663	6.17	0.00	3642631 (m)				



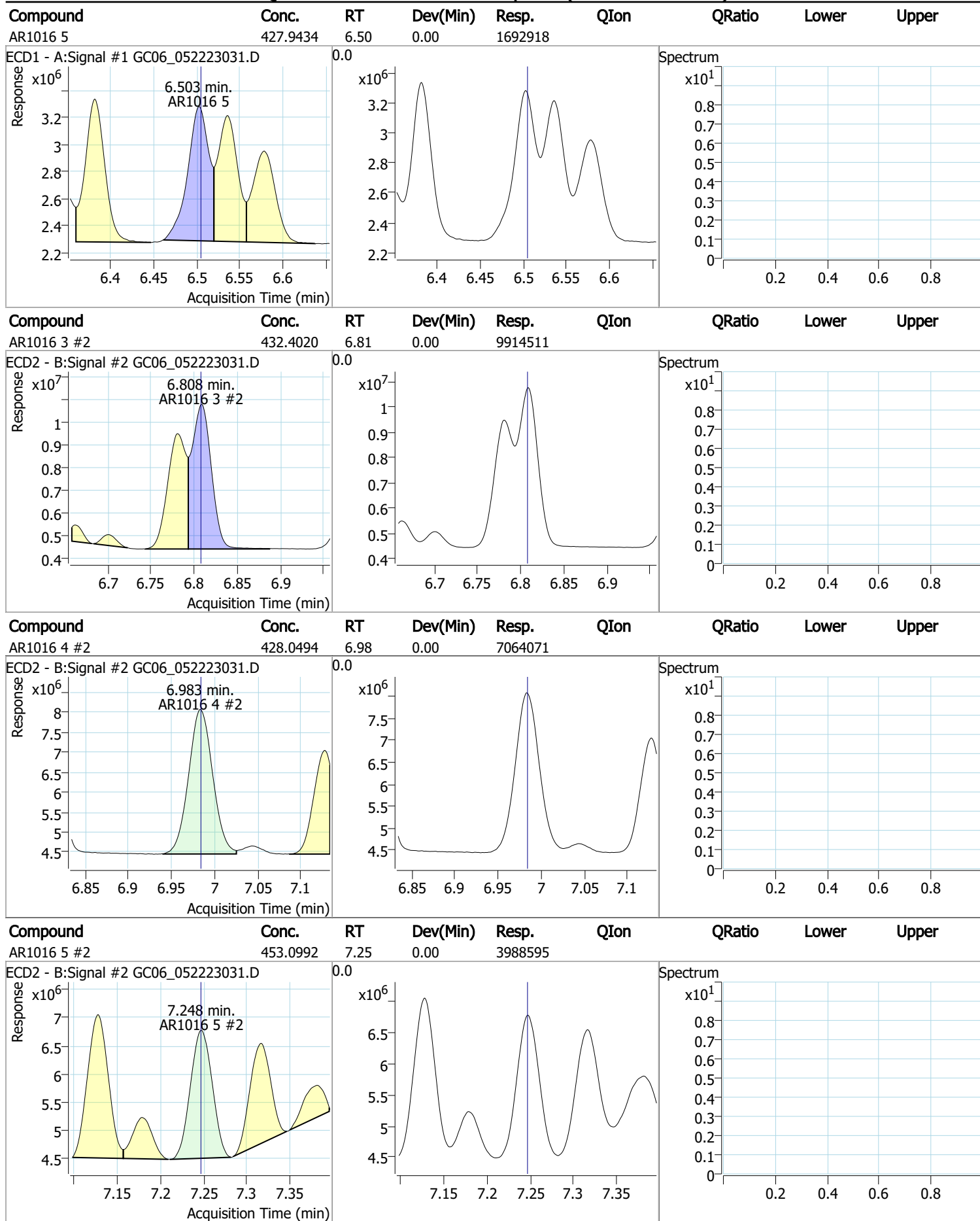
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	419.0600	6.26	0.00	7985254				



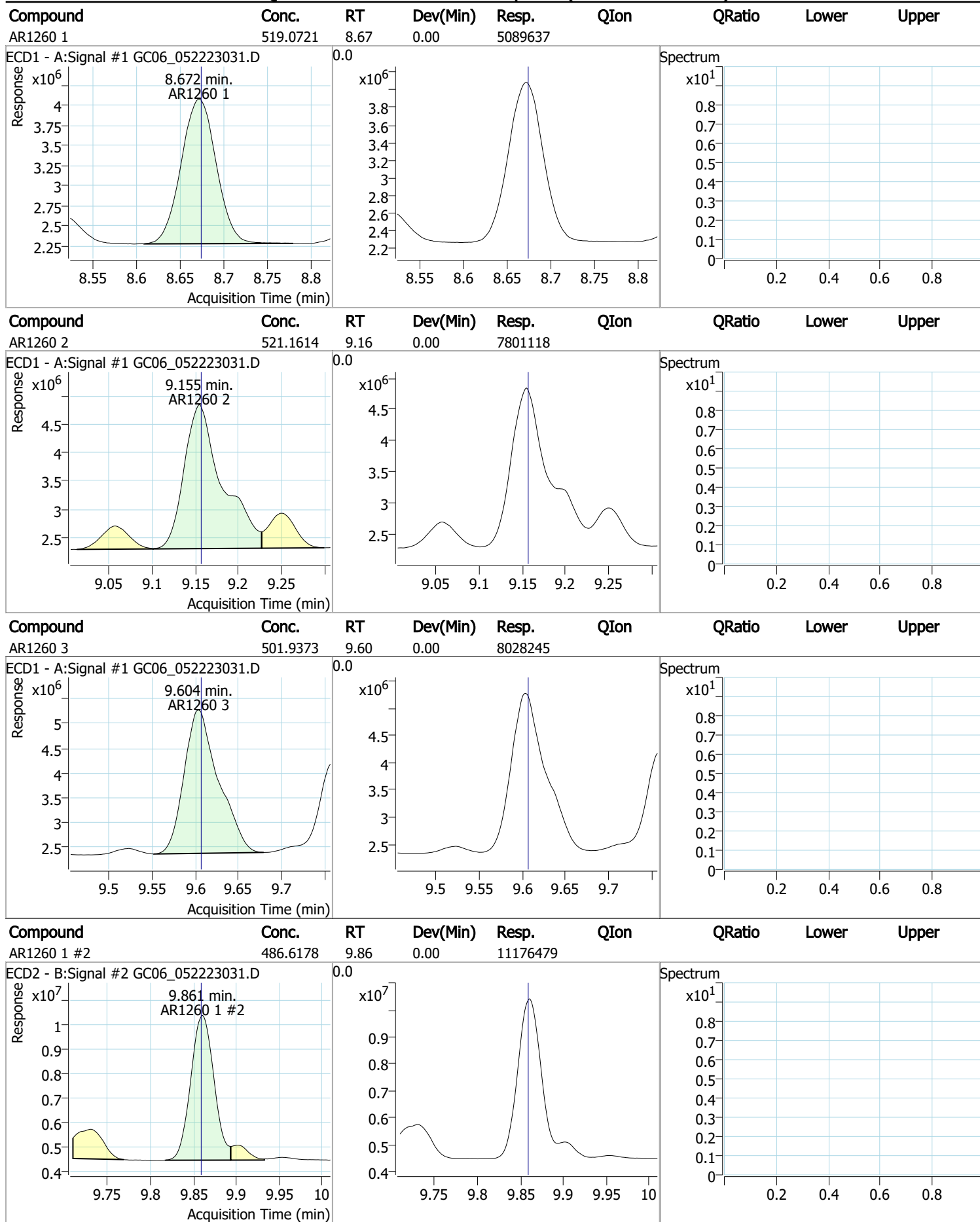
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	444.4953	6.31	0.00	2299147				



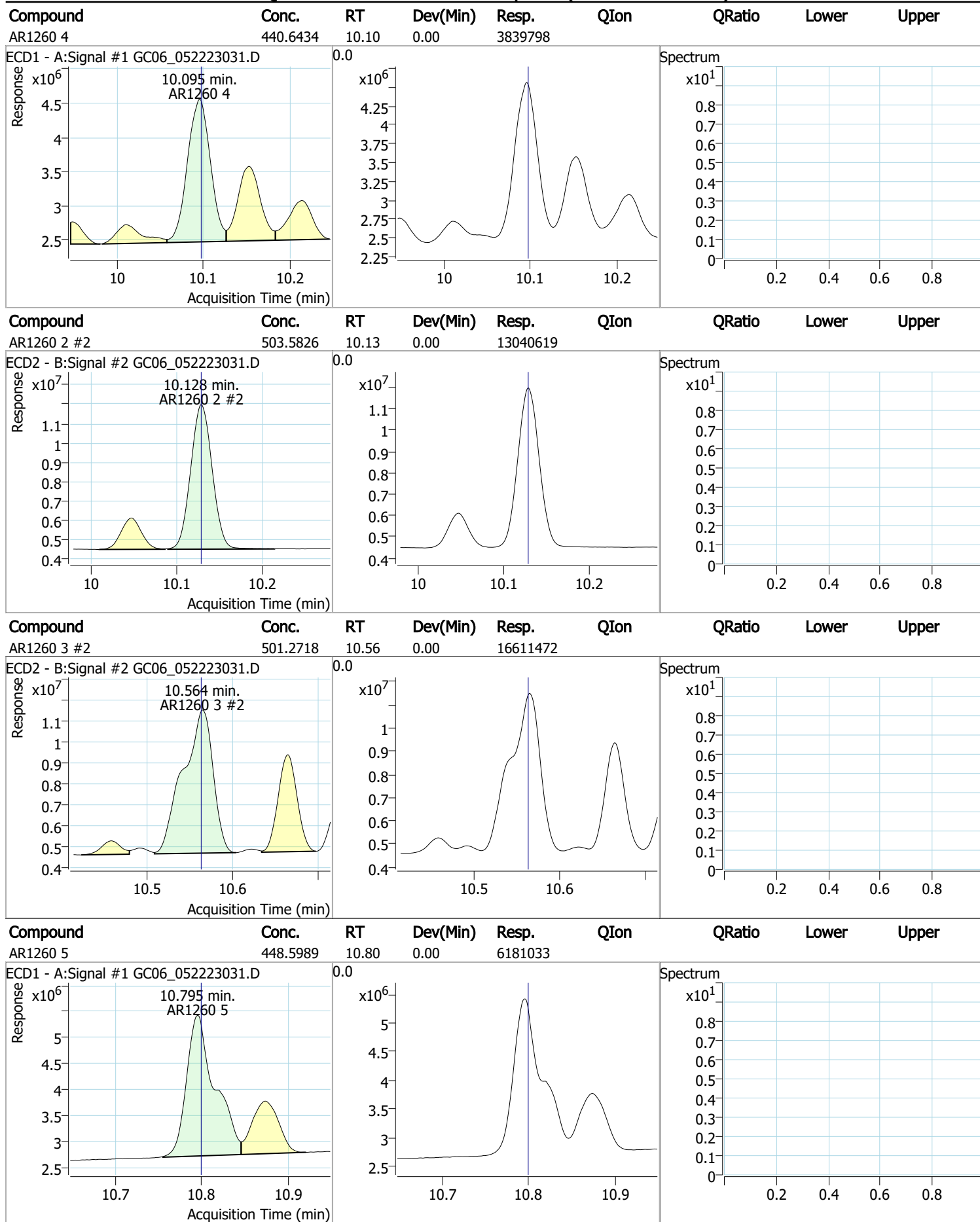
Quantitation Results Report (Not Reviewed)



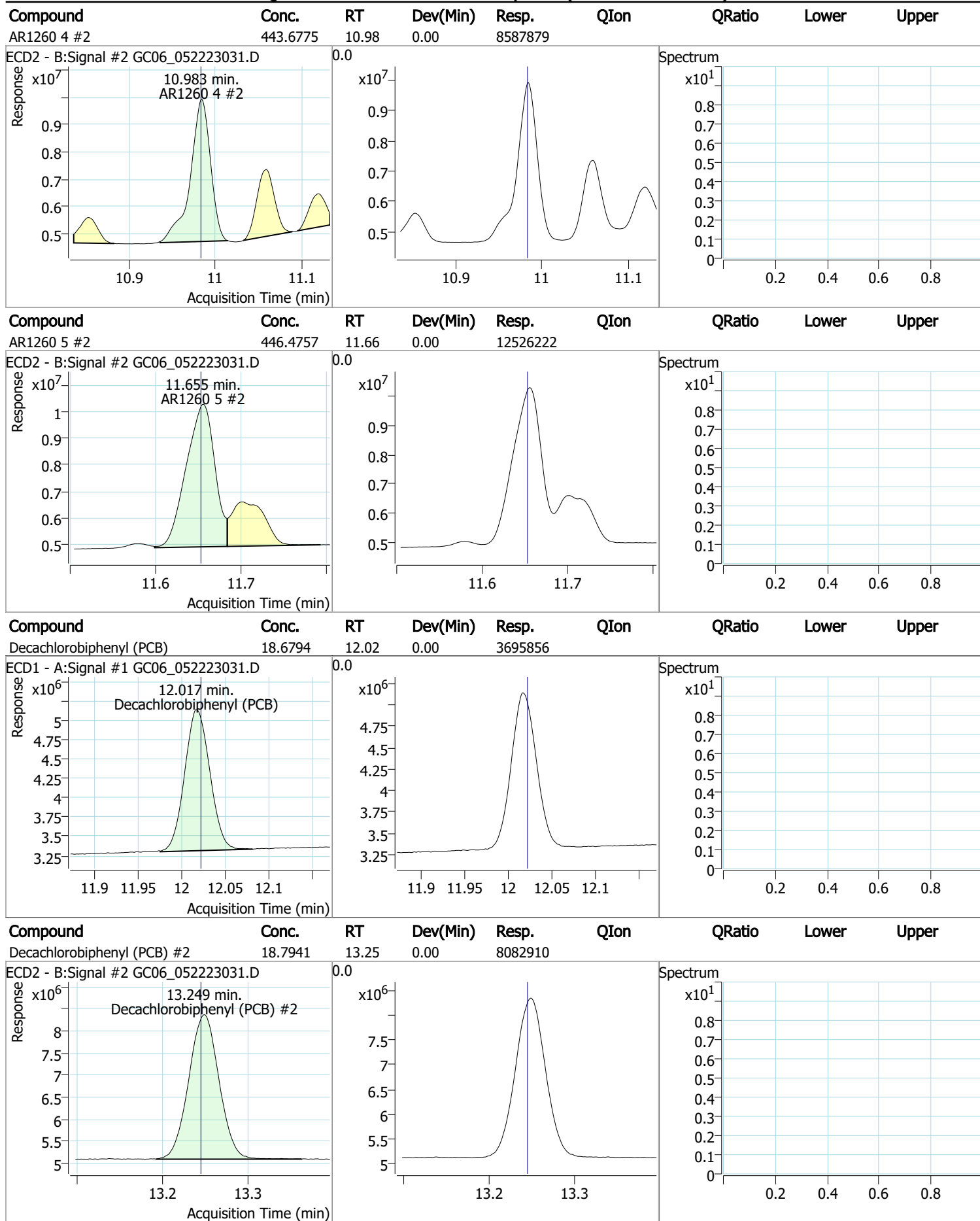
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 487140 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_062223004	IDF: 1.0
Seqnum: 453249852004.1	Caldate: 22-MAY-2023	Time: 22-JUN-2023 12:49
Cal: 453205686001		

Standards: S18318

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	499.2	ug/L	0	15	0.0000	
Aroclor-1260	A			500.0	514.2	ug/L	3	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3346	1.5183	40.00	45.51	ug/L	14	15	0.0000	
TCMX (PCB)	A	1.0658	0.9886	40.00	37.11	ug/L	-7	15	0.0000	
Aroclor-1016	B			500.0	462.5	ug/L	-7	15	0.0000	
Aroclor-1260	B			500.0	548.2	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0562	1.1399	40.00	43.17	ug/L	8	15	0.0000	
TCMX (PCB)	B	1.0609	0.9181	40.00	34.62	ug/L	-13	15	0.0000	

ISTD (ICAL gc06_052223022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7279227	9249233	27.06
1-bromo-2-nitrobenzene (PCB)	A	2781470	3197195	14.95

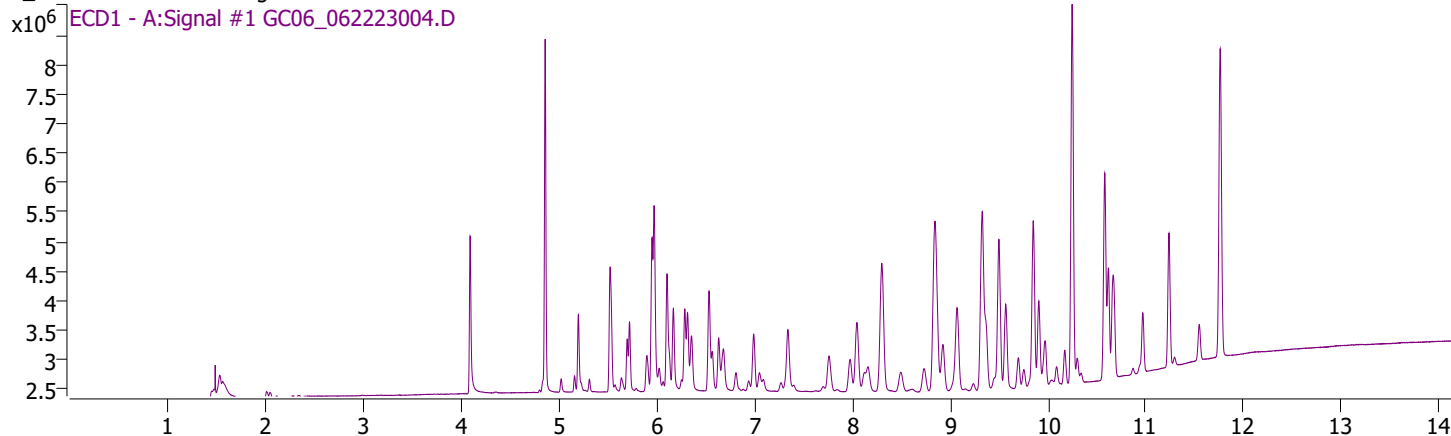
06/22/23 : 500 PPB PCB CCV

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/23/23

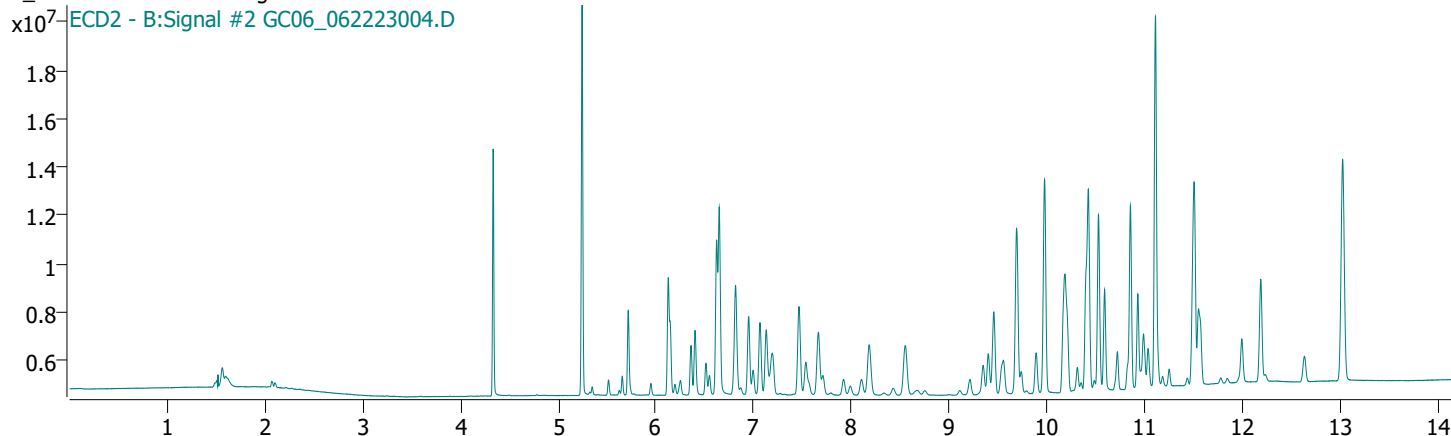
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223004.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 12:49:35 PM
Sample Name	CCV, S18318	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223004.D No MS Signals



GC06_062223004.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.093	0.0	3197195.46 3	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.334	0.0	9249232.93 2	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.861	0.0	6321702.05 1	37.1058	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 185.53%	*	
S TCMX (PCB) #2	5.244	0.0	16983346.5 20	34.6155	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.08%	*	
S Decachlorobiphenyl (PCB)	11.760	0.0	9708501.93 7	45.5059	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.53%	*	
S Decachlorobiphenyl (PCB) #2	13.027	0.0	21086629.4 85	43.1712	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.86%	*	

Target Compounds

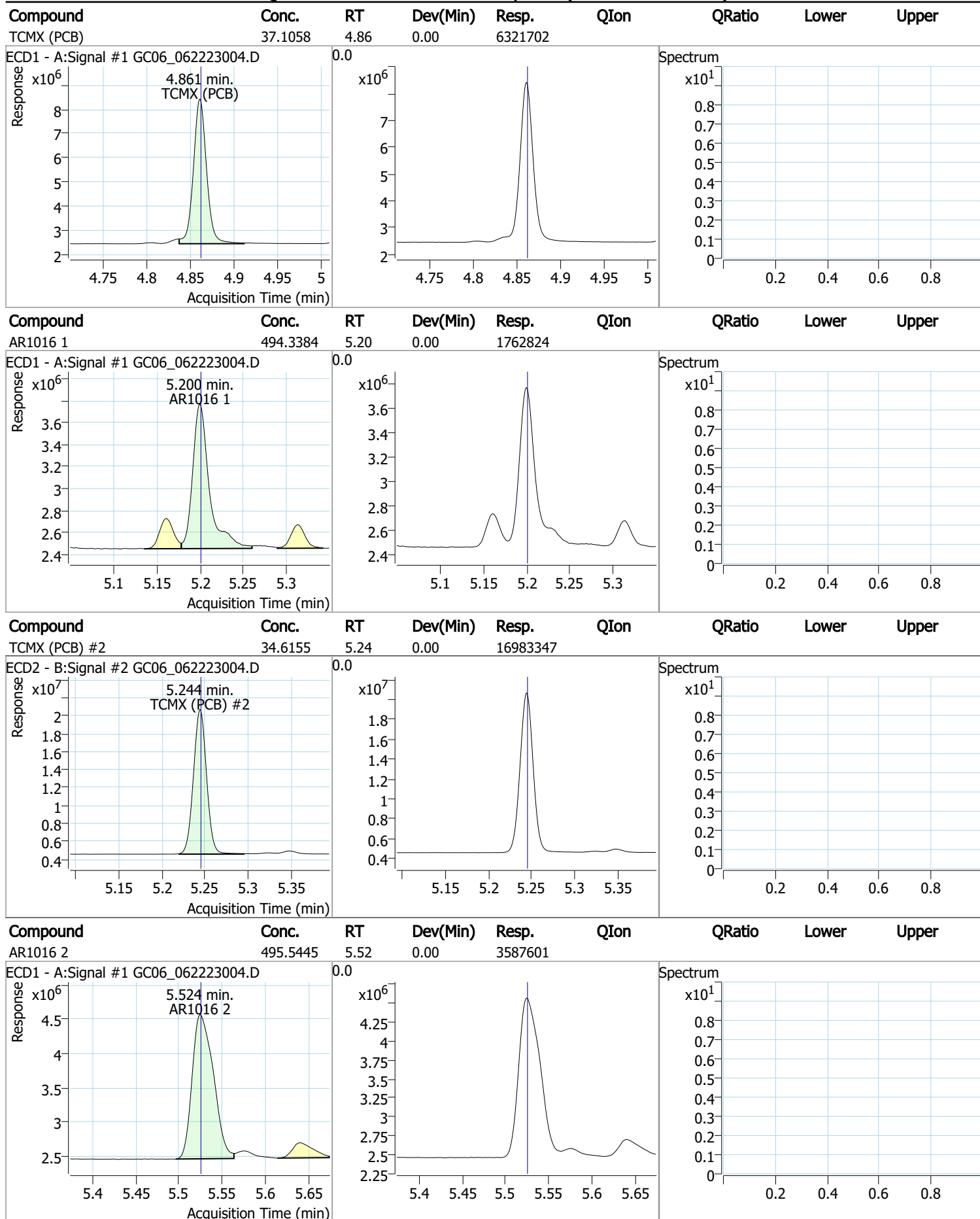
QValue

Quantitation Results Report (Not Reviewed)

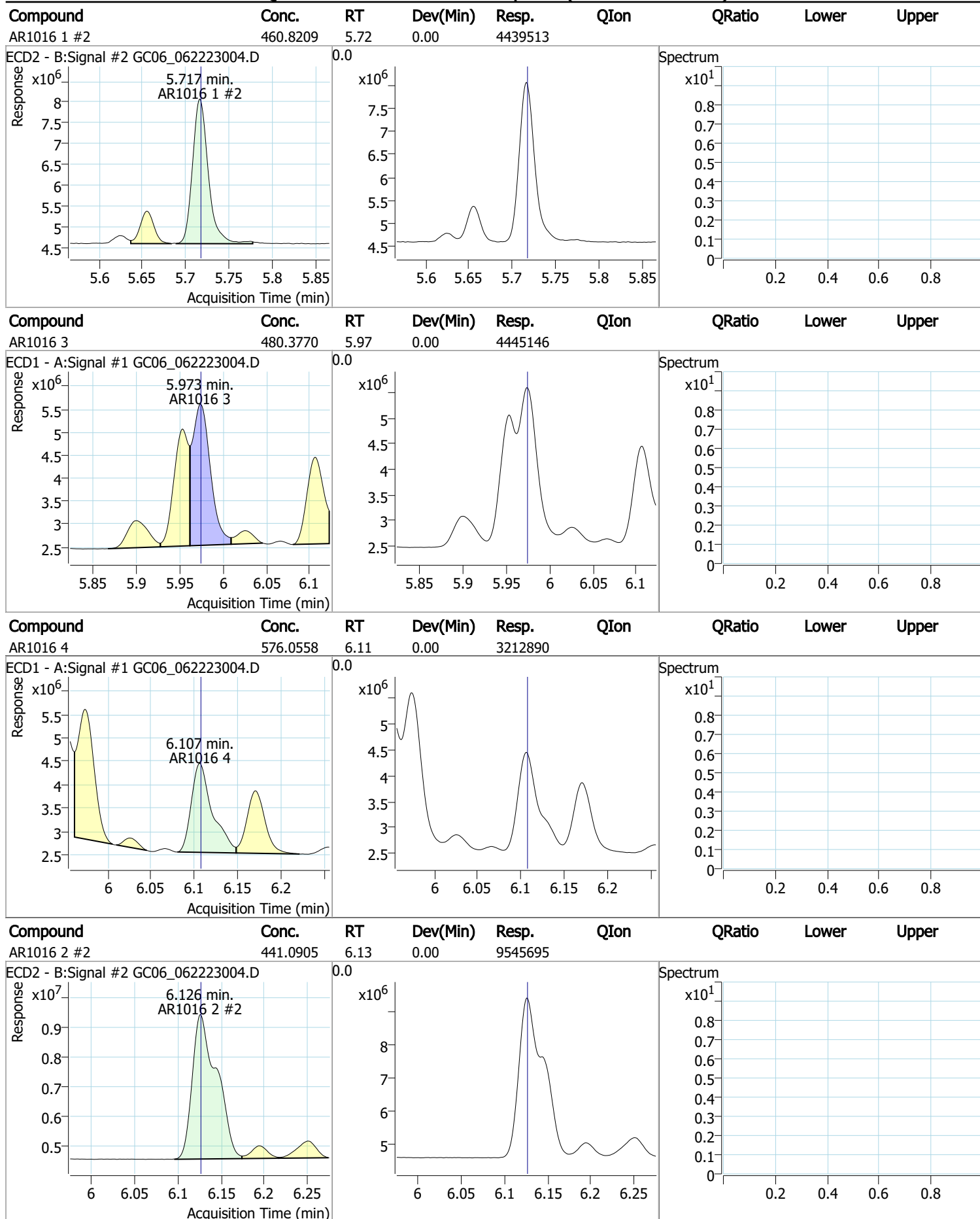
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.200	0.0	1762823.82 4	494.3384	ng/ml	100
T AR1016 2	5.524	0.0	3587600.60 0	495.5445	ng/ml	100
T AR1016 1 #2	5.717	0.0	4439513.46 7	460.8209	ng/ml	100
T AR1016 3	5.973	0.0	4445146.35 9	480.3770	ng/ml	100
T AR1016 4	6.107	0.0	3212890.27 5	576.0558	ng/ml	100
T AR1016 2 #2	6.126	0.0	9545695.19 1	441.0905	ng/ml	100
T AR1016 5	6.288	0.0	1918663.32 5	449.7978	ng/ml	100
T AR1016 3 #2	6.648	0.0	12114751.0 96	465.2256	ng/ml	100
T AR1016 4 #2	6.814	0.0	8610970.68 5	459.4346	ng/ml	100
T AR1016 5 #2	7.064	0.0	4859211.00 0	486.0398	ng/ml	100
T AR1260 1	8.302	0.0	5726310.95 0	541.6066	ng/ml	100
T AR1260 2	8.843	0.0	8549021.33 6	529.6634	ng/ml	100
T AR1260 3	9.328	0.0	9081010.75 9	526.5398	ng/ml	100
T AR1260 1 #2	9.690	0.0	13431519.6 05	514.9213	ng/ml	100
T AR1260 4	9.849	0.0	5374076.36 4	571.9406	ng/ml	100
T AR1260 2 #2	9.977	0.0	16165313.6 05	549.6539	ng/ml	100
T AR1260 3 #2	10.424	0.0	20358934.5 74	540.9448	ng/ml	100
T AR1260 5	10.580	0.0	5962899.71 4	401.3496	ng/ml	100
T AR1260 4 #2	10.855	0.0	12383824.1 90	563.3379	ng/ml	100
T AR1260 5 #2	11.507	0.0	18223652.2 07	571.9339	ng/ml	100

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

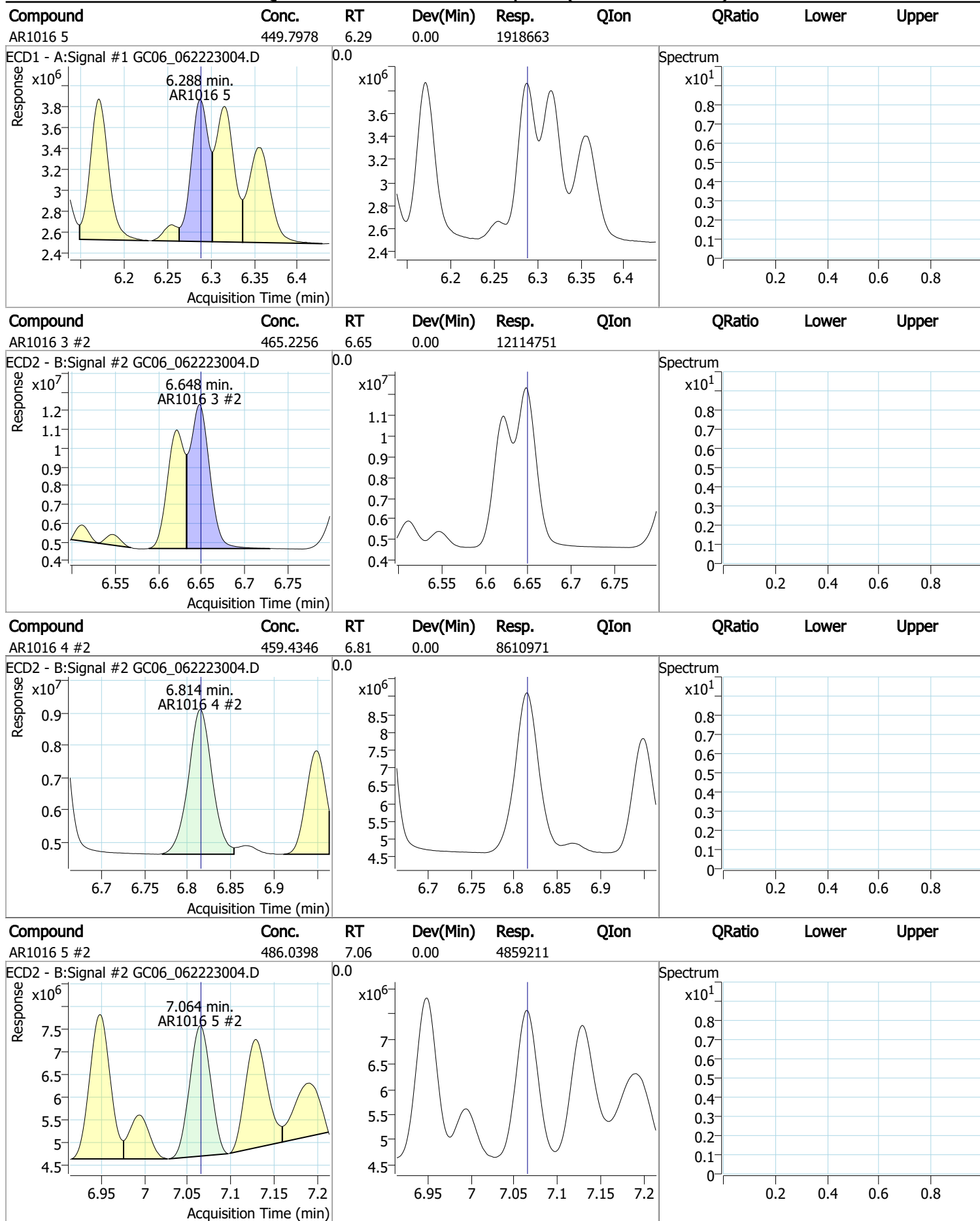
Quantitation Results Report (Not Reviewed)



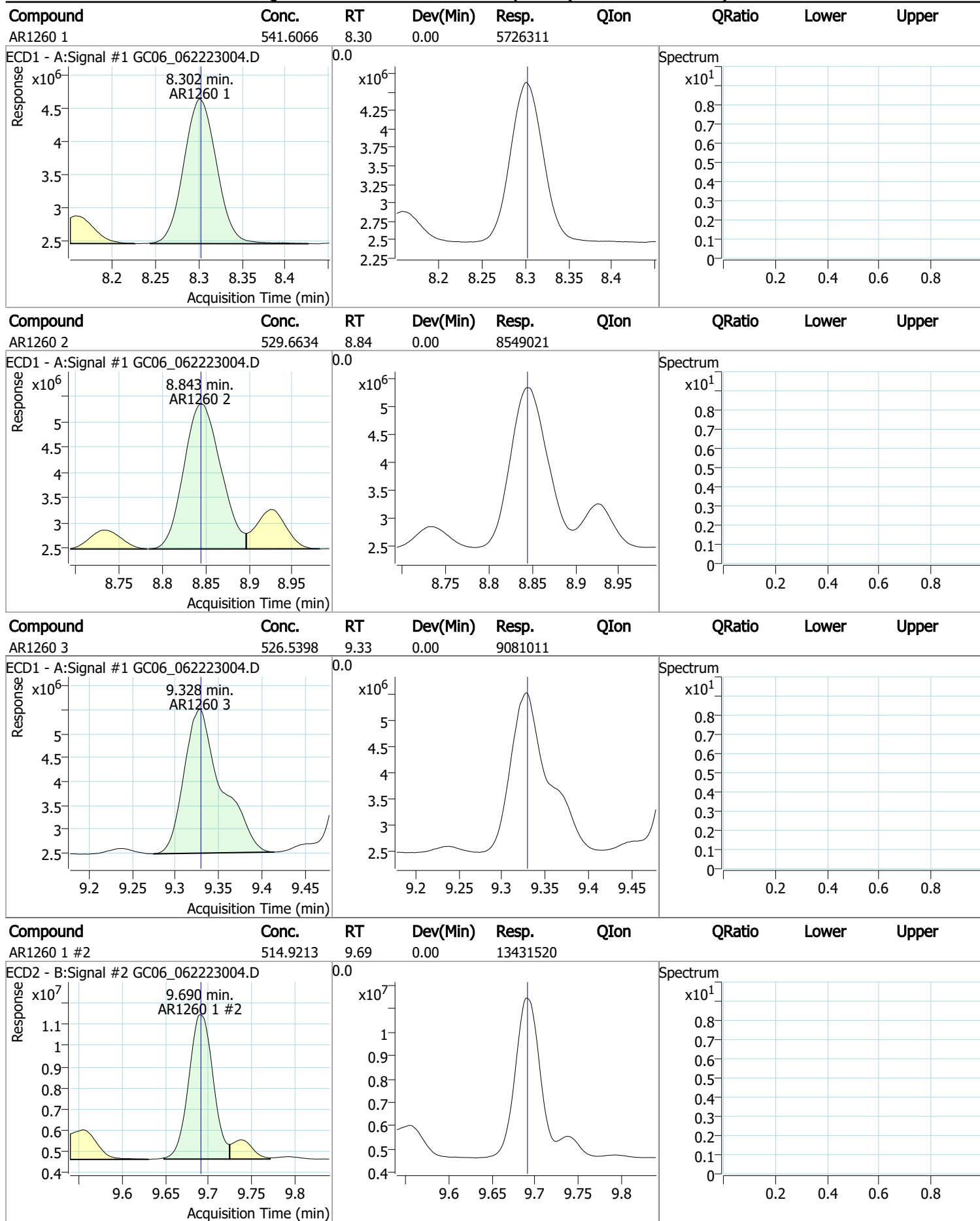
Quantitation Results Report (Not Reviewed)



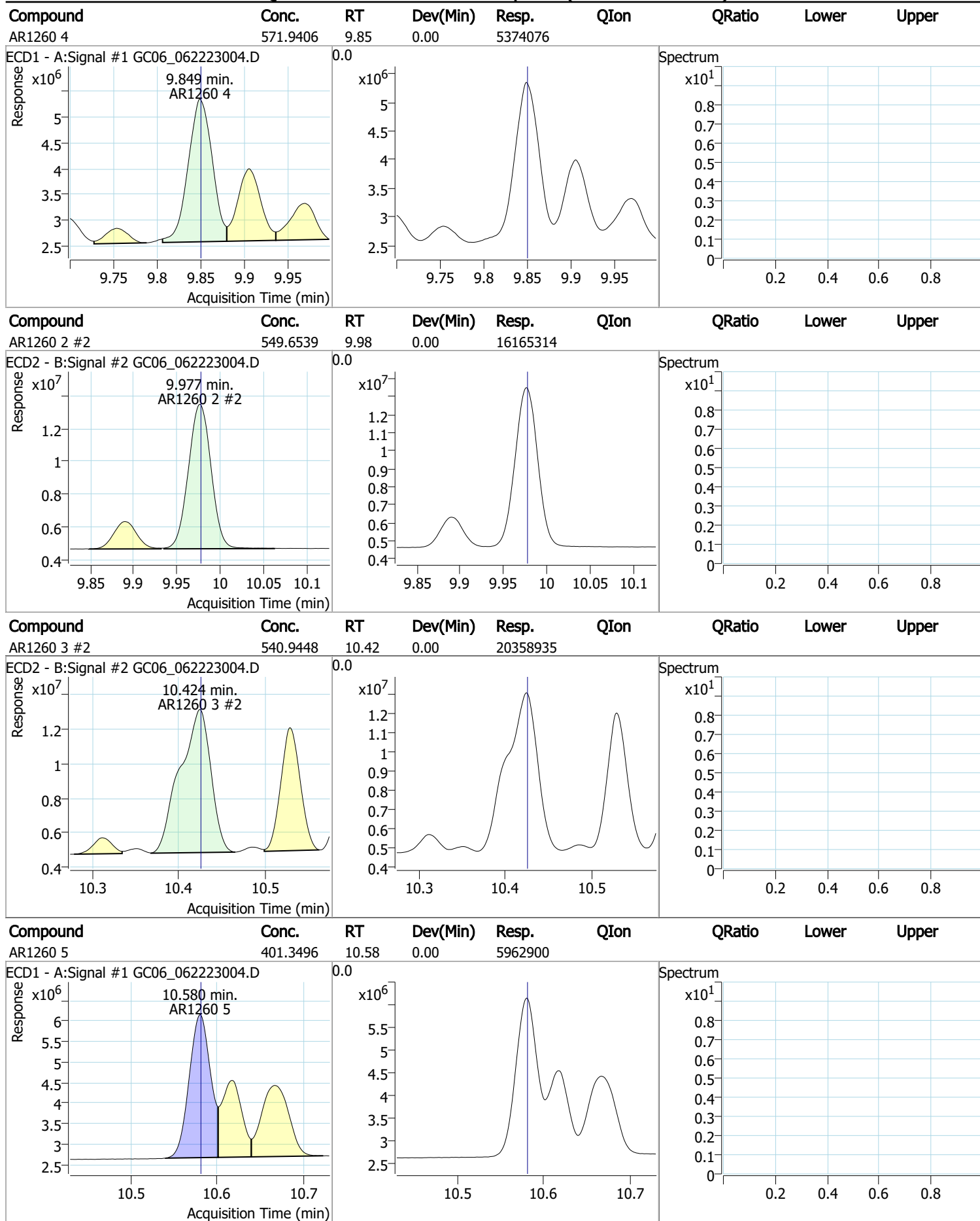
Quantitation Results Report (Not Reviewed)



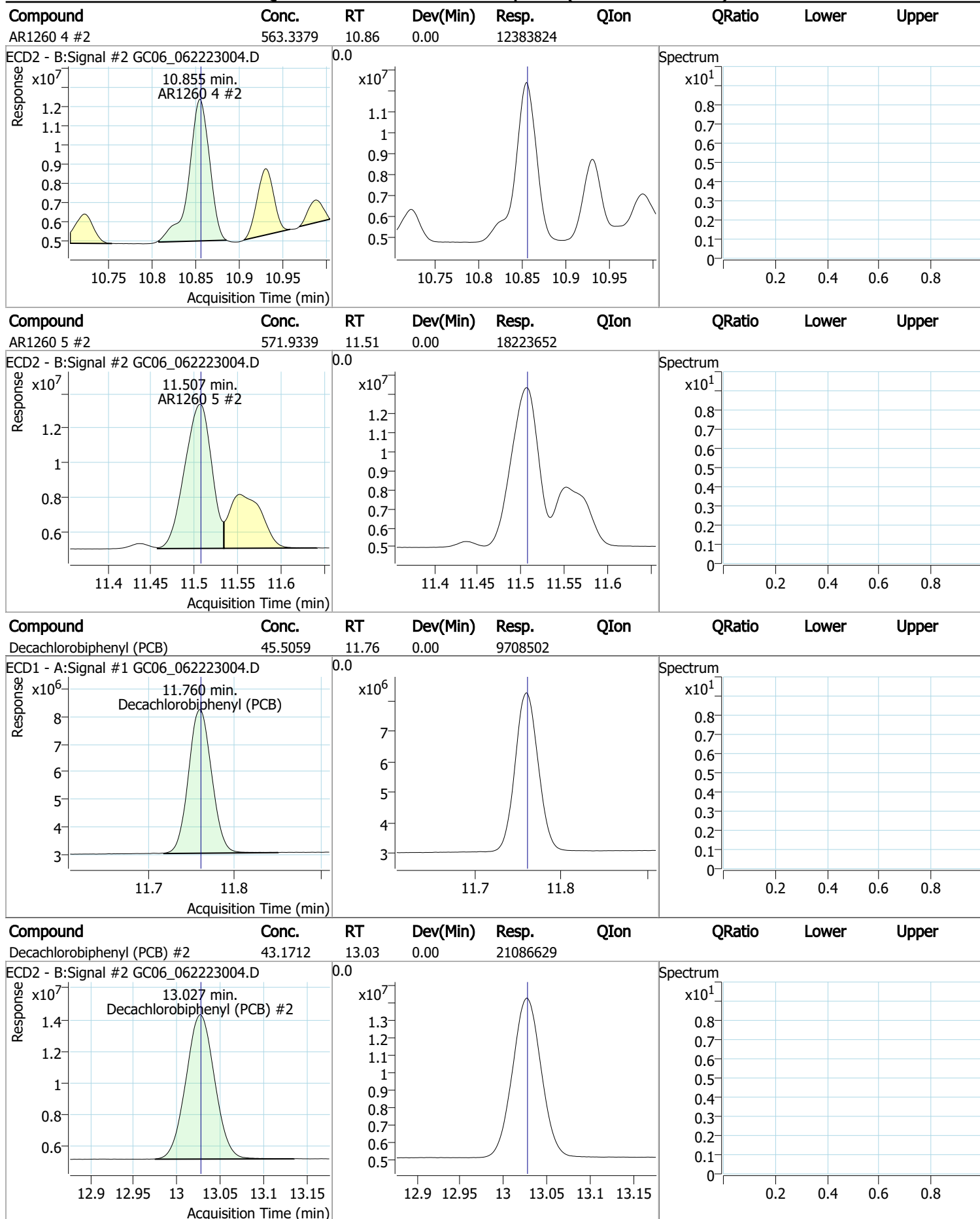
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



ENTHALPY CONTINUING CALIBRATION FOR 487140 PCBS Wipe
EPA 8082

Inst: SVOA-GC06	File: gc06_062223039	IDF: 1.0
Seqnum: 453249852039.1	Caldate: 22-MAY-2023	Time: 22-JUN-2023 22:45
Cal: 453205686001		

Standards: S18318

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	519.0	ug/L	4	15	0.0000	
Aroclor-1260	A			500.0	524.3	ug/L	5	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3346	1.4834	40.00	44.46	ug/L	11	15	0.0000	
TCMX (PCB)	A	1.0658	1.0014	40.00	37.59	ug/L	-6	15	0.0000	
Aroclor-1016	B			500.0	496.7	ug/L	-1	15	0.0000	
Aroclor-1260	B			500.0	551.0	ug/L	10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.0562	1.1311	40.00	42.84	ug/L	7	15	0.0000	
TCMX (PCB)	B	1.0609	0.9674	40.00	36.47	ug/L	-9	15	0.0000	

ISTD (ICAL gc06_052223022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7279227	9928546	36.40
1-bromo-2-nitrobenzene (PCB)	A	2781470	3478696	25.07

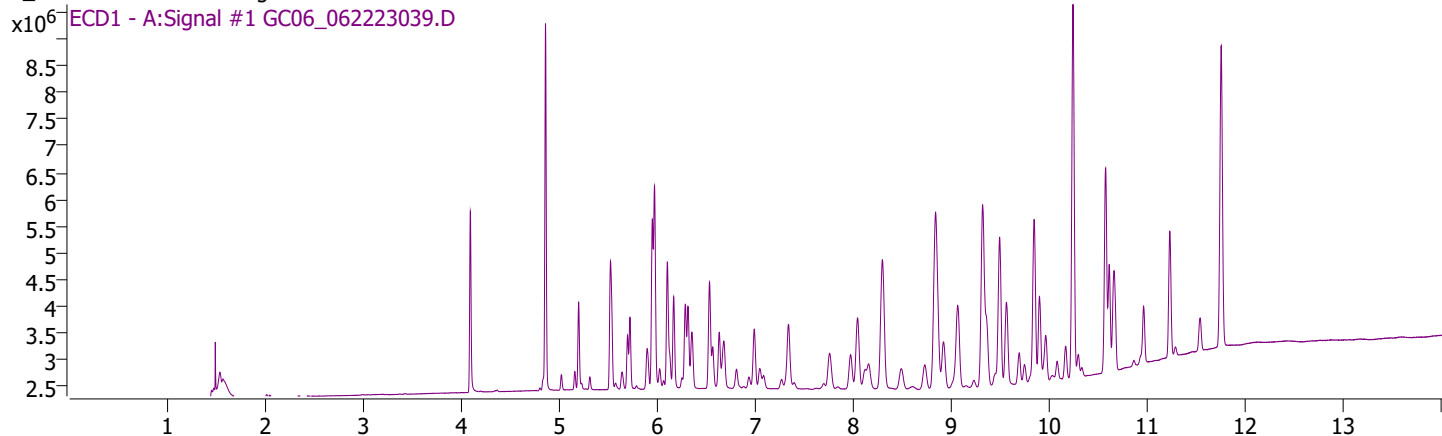
06/23/23 : 500 PPB PCB CCV

Reviewed By: MES 06/23/23 *, TRN 06/23/23, MTS 06/23/23

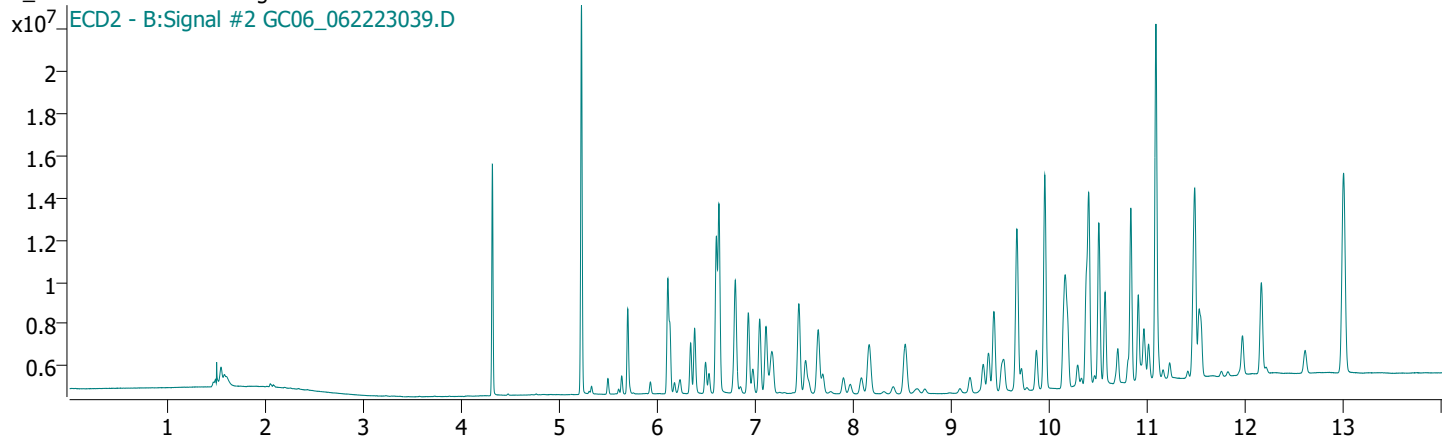
Quantitation Results Report (Not Reviewed)

Data File	GC06_062223039.D	Operator	
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	6/22/2023 10:45:16 PM
Sample Name	CCV, S18318	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_060623_GC07_8A.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	062223PCB2.batch.bin	Last Calib Update	5/23/2023 1:46:10 PM
Ref Library			

GC06_062223039.D No MS Signals



GC06_062223039.D No MS Signals



Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.092	0.0	3478695.69 9	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.317	0.0	9928545.83 5	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.860	0.0	6967265.31 8	37.5857	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.93%	*	
S TCMX (PCB) #2	5.227	0.0	19209071.9 14	36.4732	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.37%	*	
S Decachlorobiphenyl (PCB)	11.759	0.0	10320878.4 53	44.4616	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.31%	*	
S Decachlorobiphenyl (PCB) #2	13.008	0.0	22460436.4 48	42.8376	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.19%	*	

Target Compounds

QValue

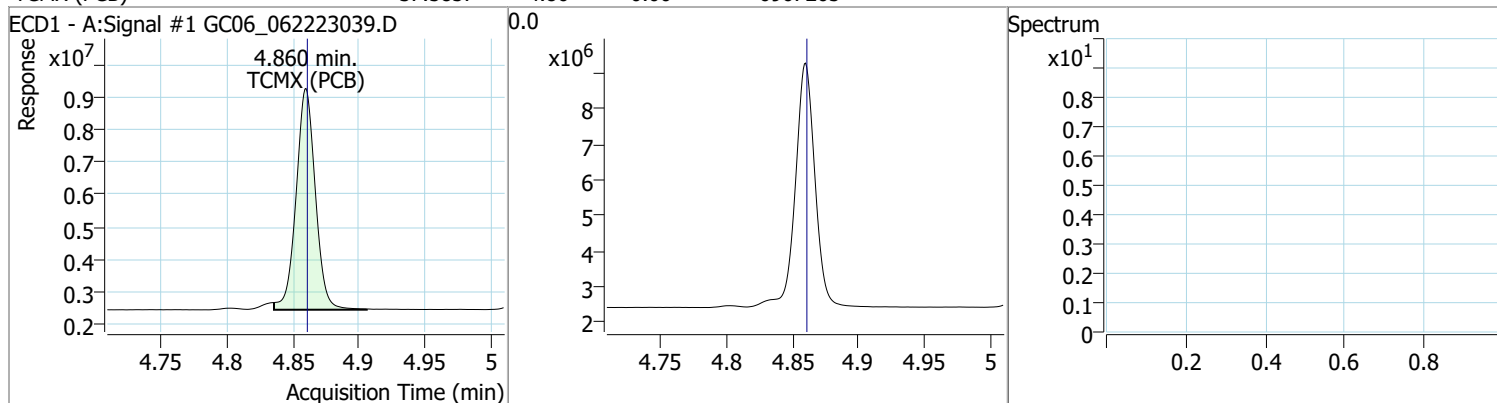
Quantitation Results Report (Not Reviewed)

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.198	0.0	1849646.25 7	476.7128	ng/ml	100
T AR1016 2	5.523	0.0	3982519.33 9	505.5792	ng/ml	100
T AR1016 1 #2	5.699	0.0	5046876.57 1	488.0222	ng/ml	100
T AR1016 3	5.973	0.0	5065915.02 1	503.1607	ng/ml	100
T AR1016 4	6.103	0.0	3798931.36 0	626.0122	ng/ml	100
T AR1016 2 #2	6.109	0.0	10973996.0 08	472.3947	ng/ml	100
T AR1016 5	6.287	0.0	2244038.75 4	483.5058	ng/ml	100
T AR1016 3 #2	6.630	0.0	13812252.7 78	494.1215	ng/ml	100
T AR1016 4 #2	6.798	0.0	10008180.9 24	497.4470	ng/ml	100
T AR1016 5 #2	7.047	0.0	5702040.42 4	531.3204	ng/ml	100
T AR1260 1	8.299	0.0	6386458.32 7	555.1647	ng/ml	100
T AR1260 2	8.843	0.0	9586442.18 3	545.8757	ng/ml	100
T AR1260 3	9.323	0.0	10119737.0 42	539.2858	ng/ml	100
T AR1260 1 #2	9.673	0.0	15160589.6 21	541.4419	ng/ml	100
T AR1260 4	9.849	0.0	5933599.16 9	580.3875	ng/ml	100
T AR1260 2 #2	9.958	0.0	18074946.0 69	572.5353	ng/ml	100
T AR1260 3 #2	10.406	0.0	22418765.6 06	554.9191	ng/ml	100
T AR1260 5	10.579	0.0	6482186.38 7	400.9956	ng/ml	100
T AR1260 4 #2	10.837	0.0	12374431.8 71	524.3962	ng/ml	100
T AR1260 5 #2	11.488	0.0	19212420.8 30	561.7106	ng/ml	100

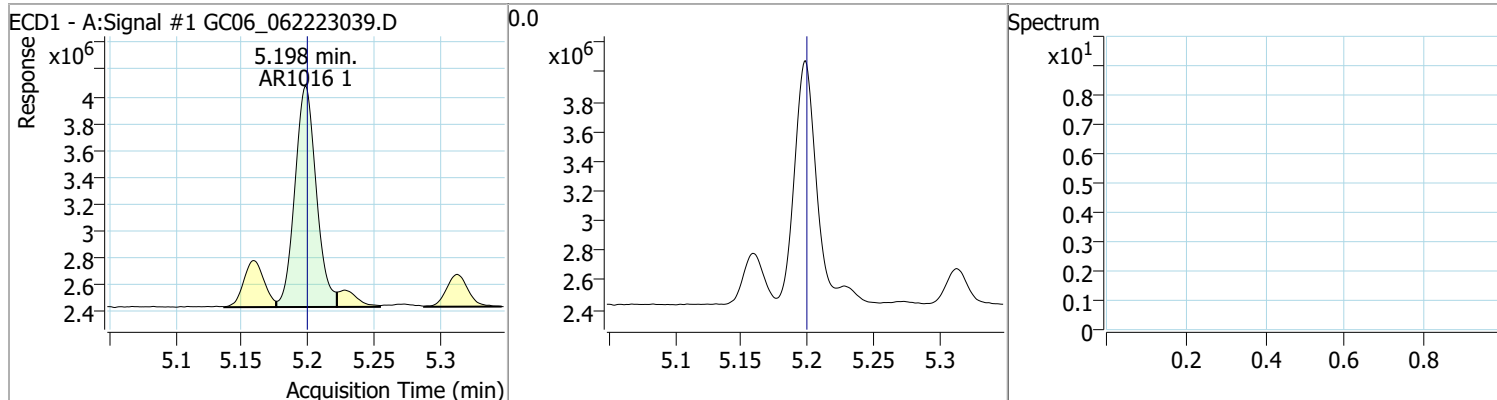
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (Not Reviewed)

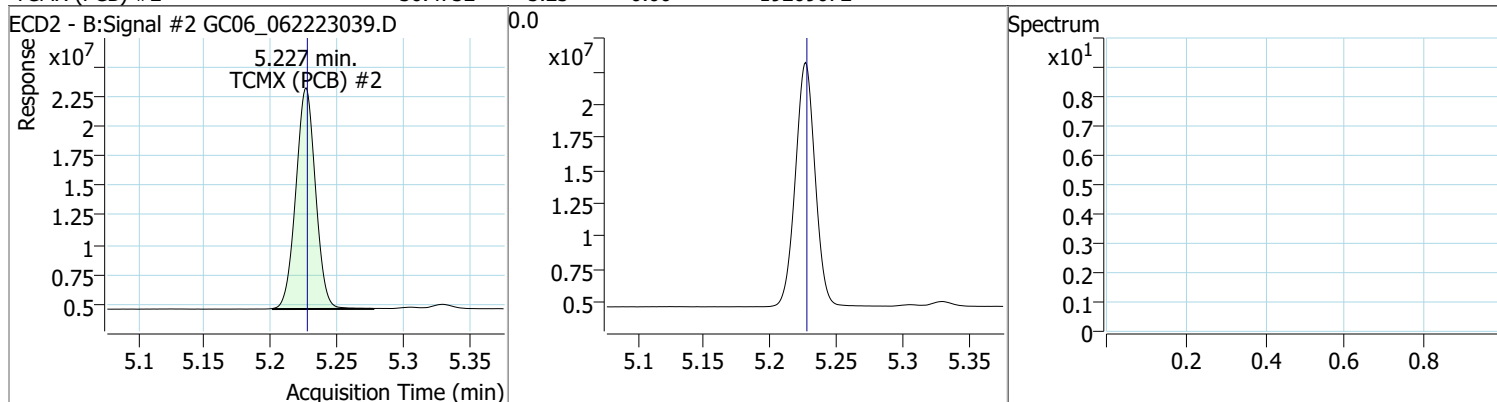
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.5857	4.86	0.00	6967265				



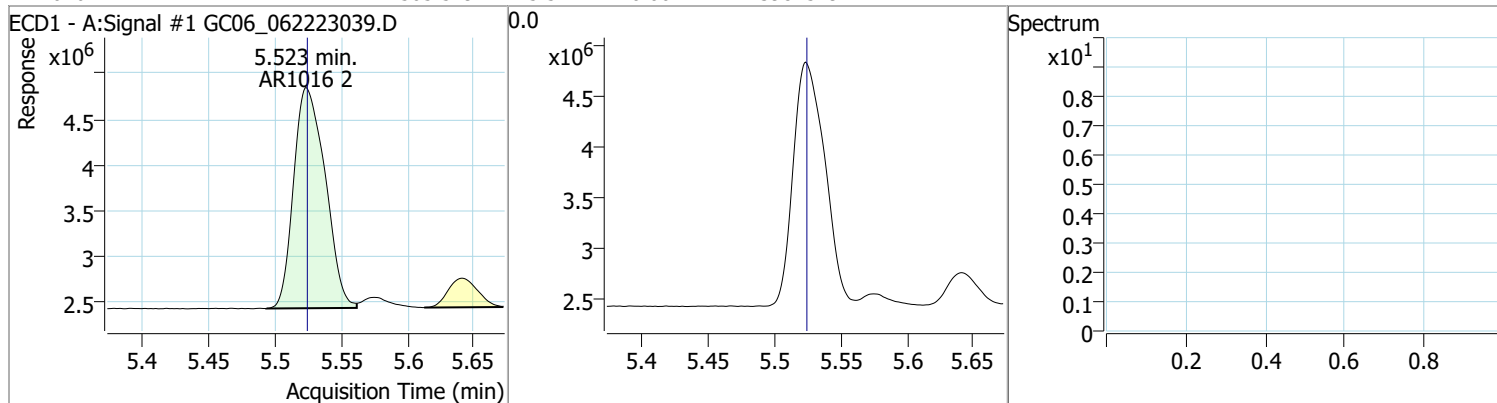
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	476.7128	5.20	0.00	1849646				



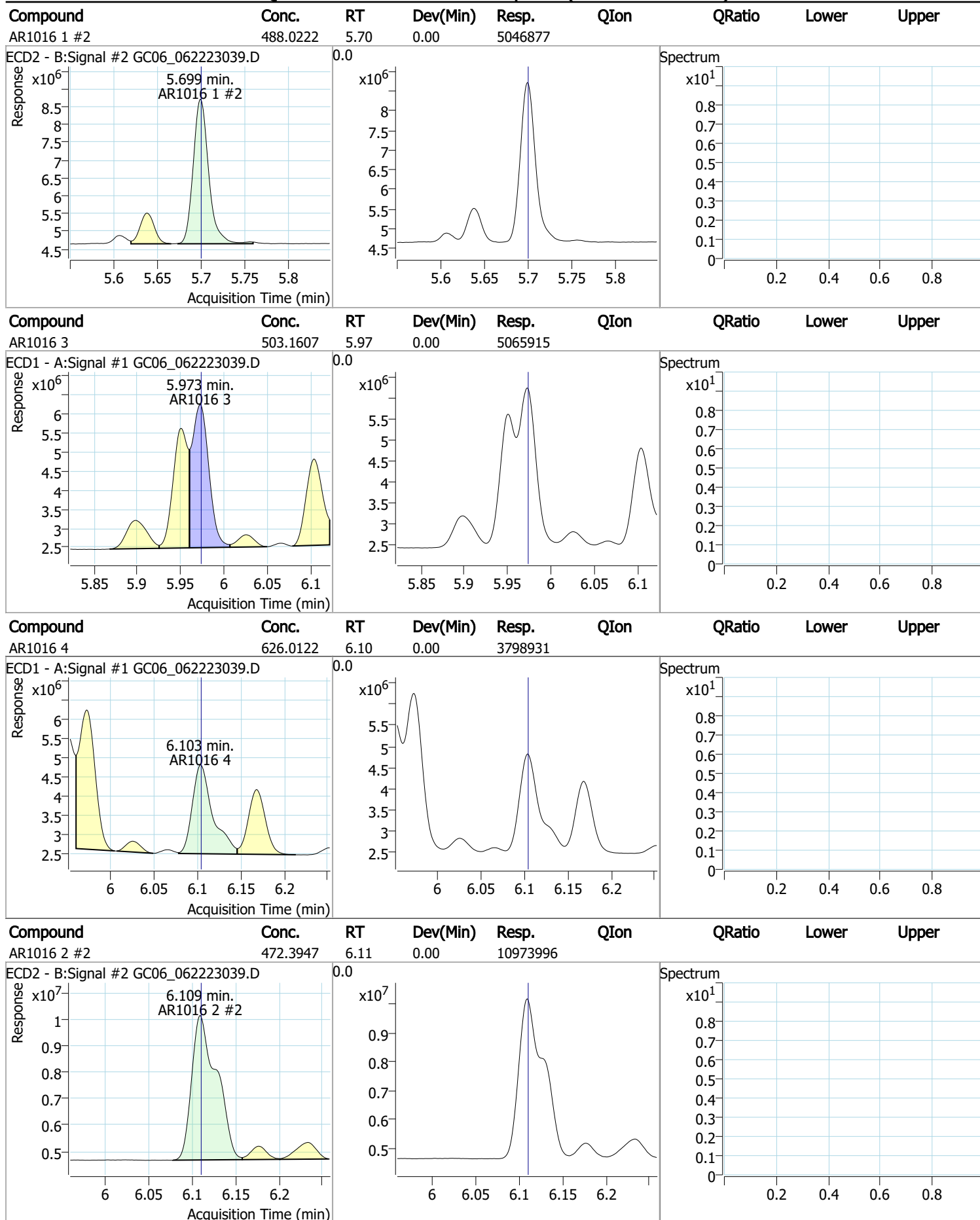
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.4732	5.23	0.00	19209072				



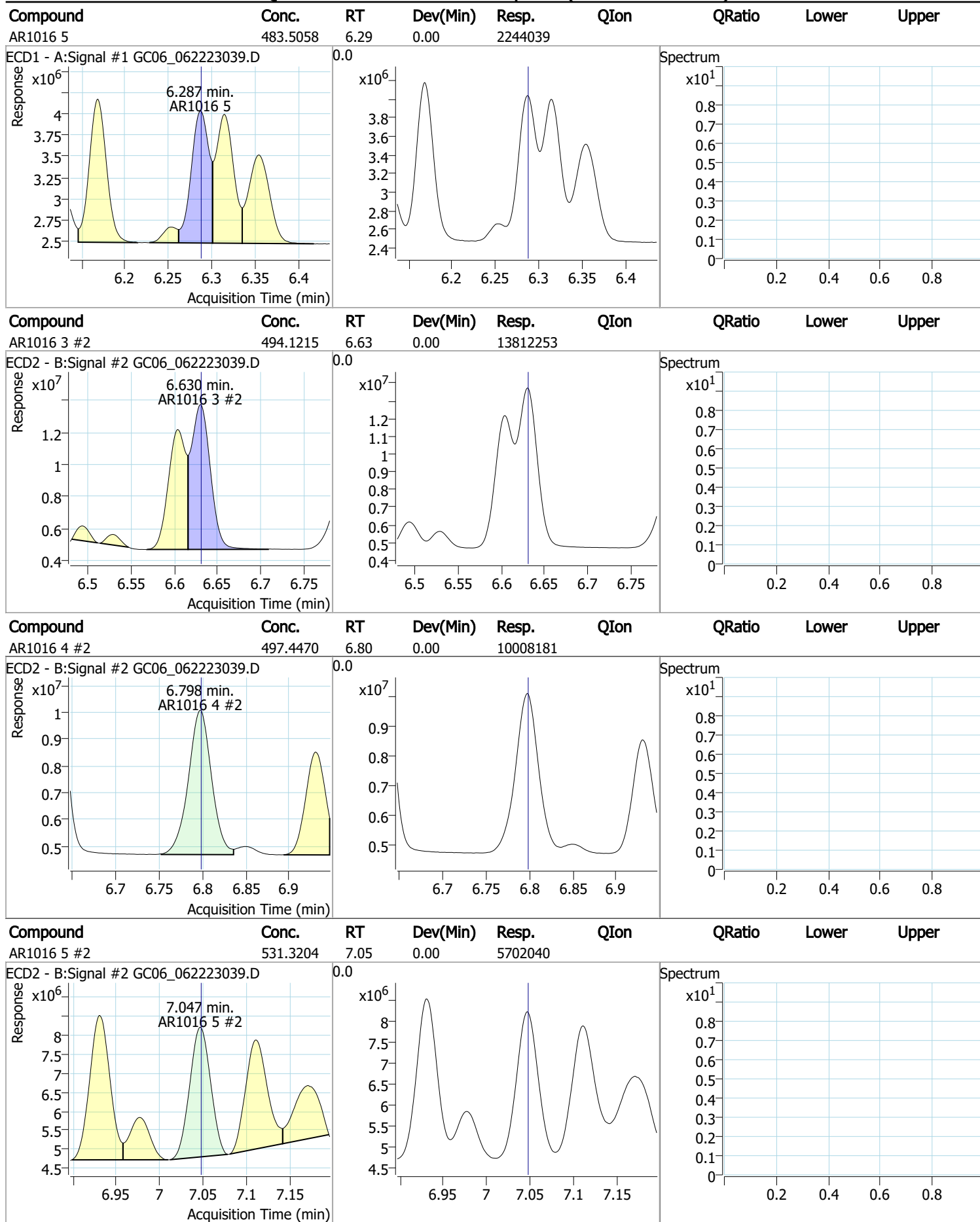
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	505.5792	5.52	0.00	3982519				



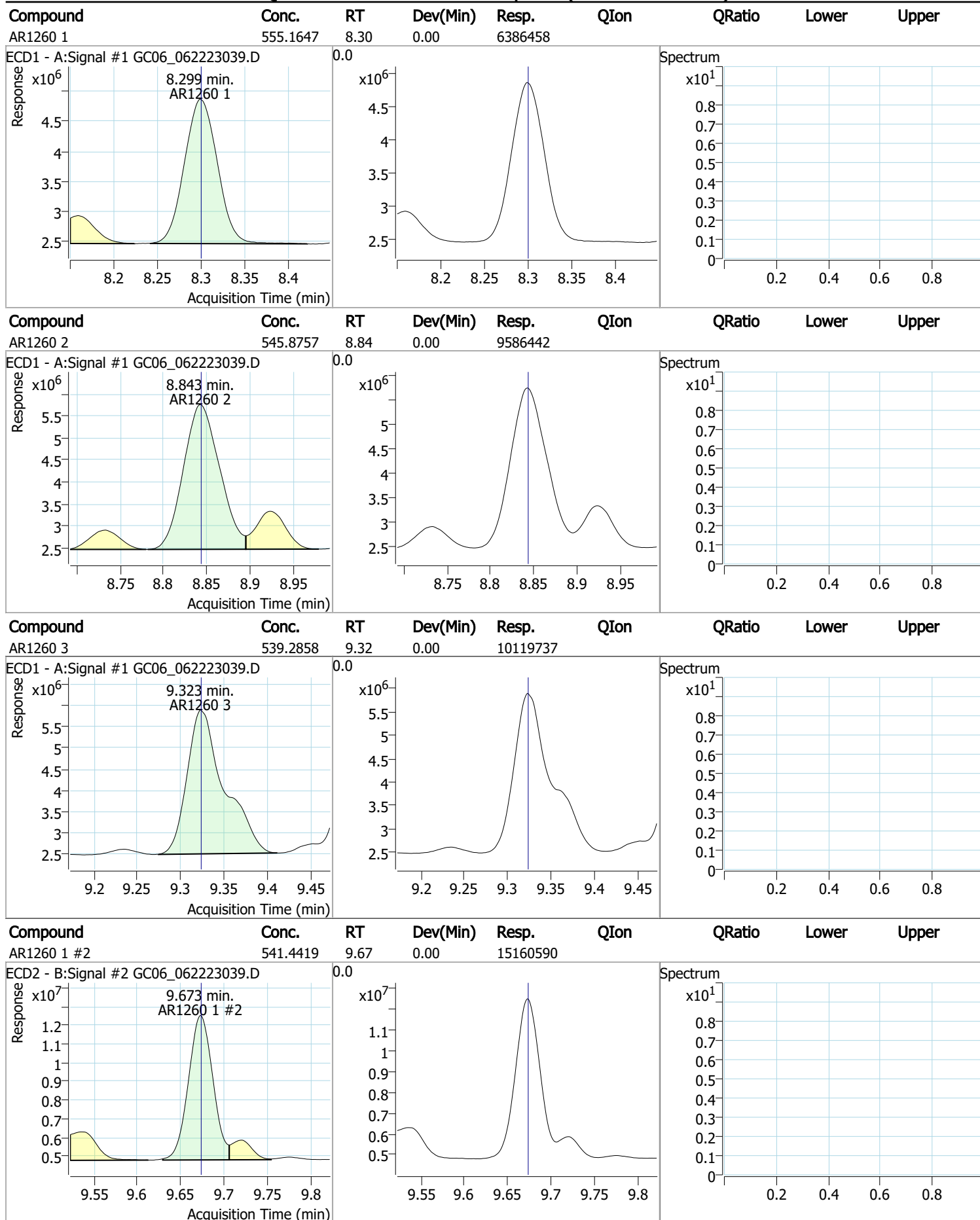
Quantitation Results Report (Not Reviewed)



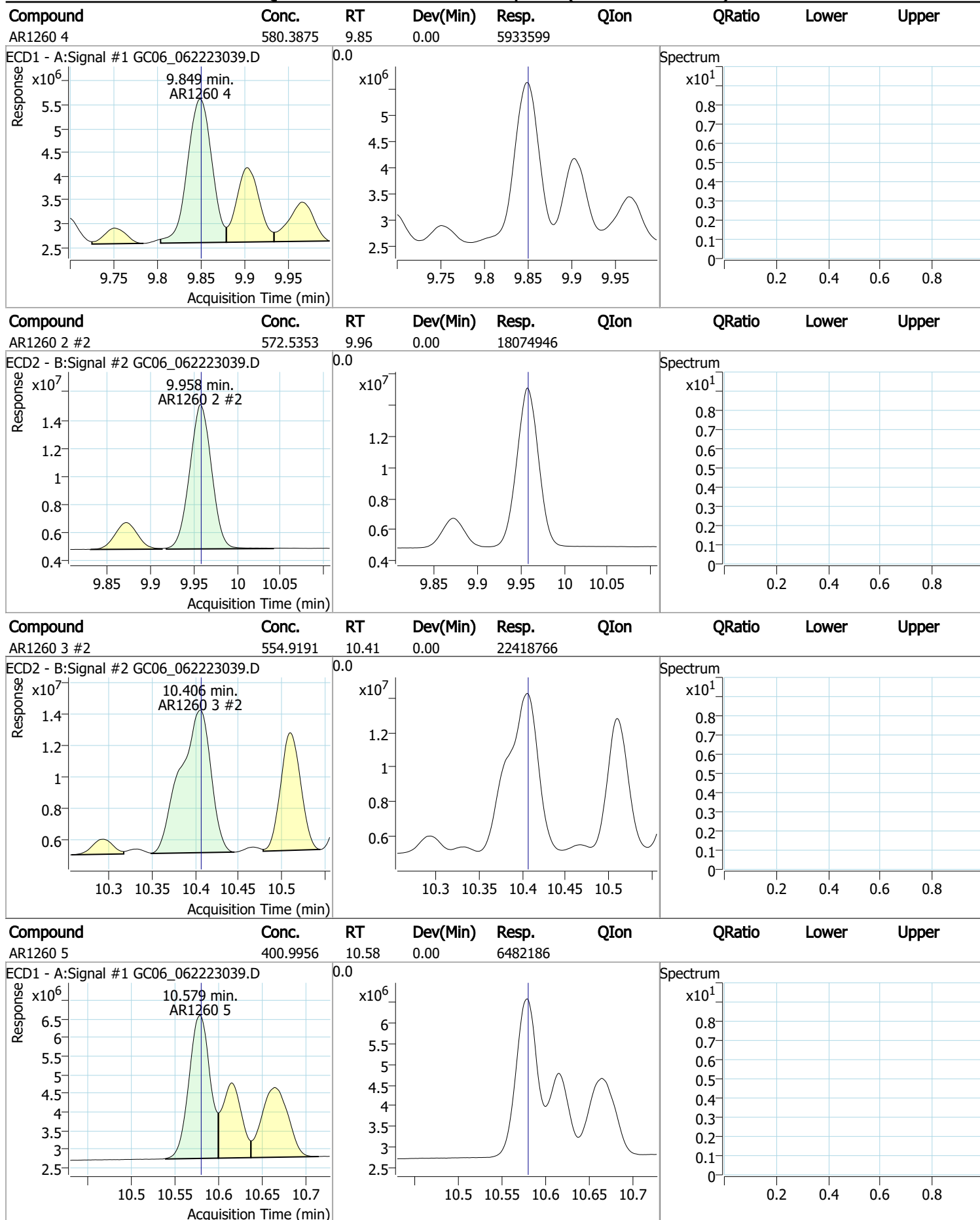
Quantitation Results Report (Not Reviewed)



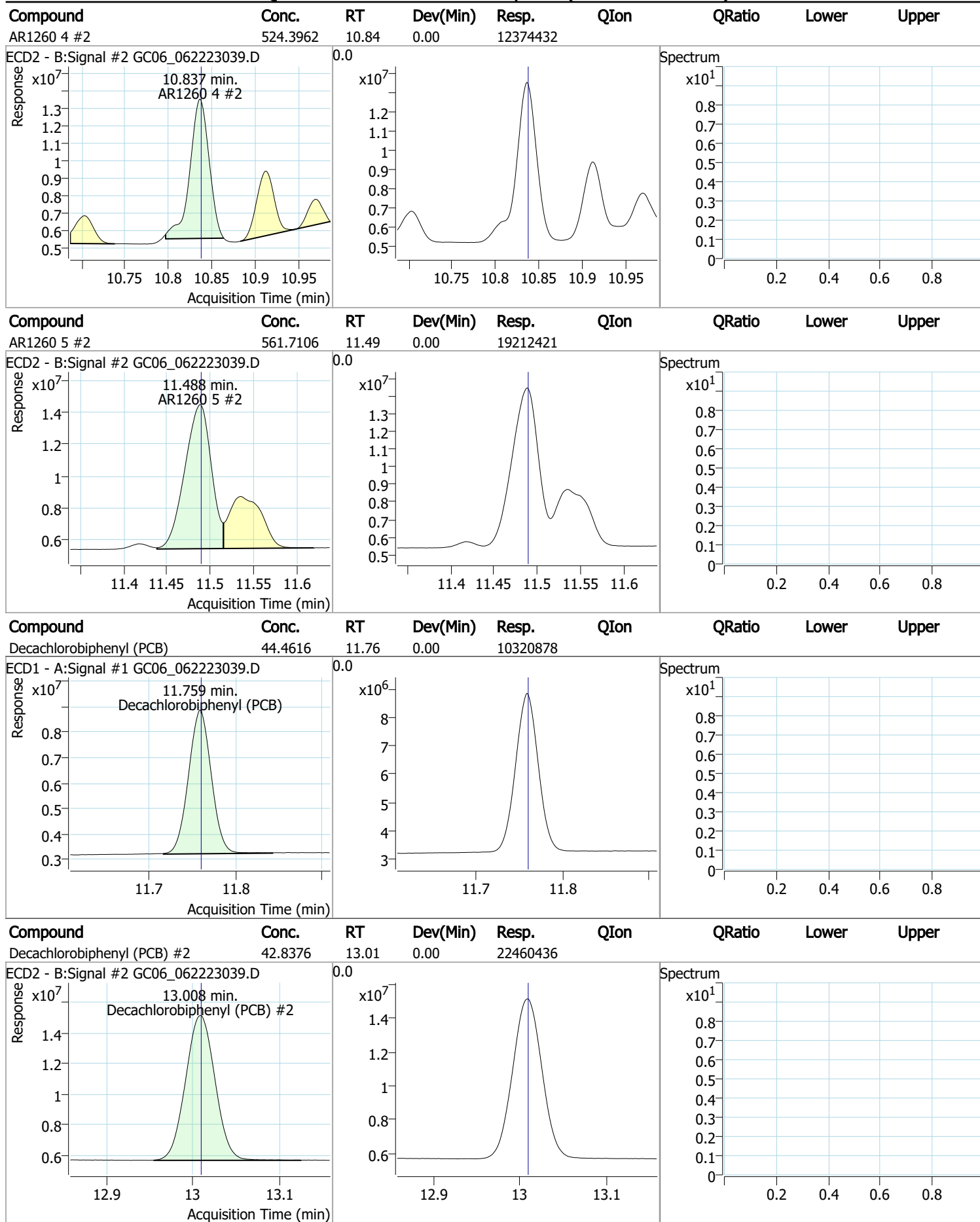
Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)



Quantitation Results Report (Not Reviewed)





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

enthalpy.com

Lab Job Number: 487140
Report Level: IV
Report Date: 06/27/2023

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 #: 487140
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 06/19/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C6W-EXT-1 TO 2-230619-L-WF	487140-002	06/19/23 08:15	Wipe
ARCH-C7W-EXT-1 TO 2-230619-L-WF	487140-004	06/19/23 08:25	Wipe
ARCH-C6W-DG-1.5 TO 2-230619-L-FB	487140-006	06/19/23 08:36	Wipe
ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-L-LA	487140-009	06/19/23 08:50	Wipe
ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-L-LA	487140-012	06/19/23 09:16	Wipe
ARCH-C7W-DG-2 TO 2.5-230619-L-FB	487140-014	06/19/23 09:05	Wipe
ARCH-C7W-DG-2 TO 2.5-230619-L-DUP-FB	487140-015	06/19/23 09:05	Wipe
ARCH-C6W-PS-2.5-230619-L-G	487140-017	06/19/23 09:35	Wipe
ARCH-C7W-PS-2.5-230619-L-G	487140-019	06/19/23 09:45	Wipe
ARCH-C6W-DG-3 TO 3.5-230619-L-FB	487140-021	06/19/23 10:00	Wipe
ARCH-C6W-DG-3 TO 3.5-230619-L-DUP-FB	487140-022	06/19/23 10:00	Wipe
ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-L-LA	487140-024	06/19/23 10:10	Wipe

Case Narrative

METALS (EPA 6010B)

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

Lab Job Number: 487140
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/19/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 06/20/23. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

487490

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
COC ID:				Standard:			
Page:				5 Day:			
1 of 2				1 Day:			
Matrix: A = Air S = Soil/Solid				X (PCBs)			
W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA				X (PB)			
SW = Swab T = Tissue WP = Wipe O = Other				Sample Receipt Temp:			
Report: Level IV				(lab use only)			
ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900				3 Day: custom TAT:			
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 #: RIN081721 Proj. Name: Hanger 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: M. V. M. & D. Walsh Global ID:			
ANALYSIS REQUEST Lead by EPA Method 3050M/60108 PCBs - EPA Method 3546/8082				Test Instructions / Comments Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/lit basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 4 Enclosure CID (Low Occupancy)			
SAMPLE ID 1 ARCH-C6W-EXT-1 TO 2-230619-P-WF 2 ARCH-C6W-EXT-1 TO 2-230619-L-WF 3 ARCH-C7W-EXT-1 TO 2-230619-P-WF 4 ARCH-C7W-EXT-1 TO 2-230619-L-WF 5 ARCH-C6W-DG-1.5 TO 2-230619-P-PB 6 ARCH-C6W-DG-1.5 TO 2-230619-L-PB 7 ARCH-C7W-DG-1.5 TO 2-DN-C7 7-VS-230619-P-LA 8 ARCH-C7W-DG-1.5 TO 2-DN-C7 7-VS-230619-P-DUP-LA 9 ARCH-C7W-DG-1.5 TO 2-DN-C7 7-VS-230619-L-LA 10 ARCH-C6W-DG-2 TO 2.5-UP-C6 6-HS-230619-P-LA 11 ARCH-C6W-DG-2 TO 2.5-UP-C6 6-HS-230619-P-DUP-LA 12 ARCH-C6W-DG-2 TO 2.5-UP-C6 6-HS-230619-L-LA 13 ARCH-C7W-DG-2 TO 2.5-230619-P-PB 14 ARCH-C7W-DG-2 TO 2.5-230619-L-PB 15 ARCH-C7W-DG-2 TO 2.5-230619-L-DUP-PB				SAMPLING Date: 6/19/2023 Time: 0815 Matrix: WP Container No. / Size: 1 Pres.: -- 6/19/2023 0815 WP 1 -- 6/19/2023 0815 WP 1 -- 6/19/2023 0815 WP 1 -- 6/19/2023 0815 WP 1 -- 6/19/2023 0830 WP 1 -- 6/19/2023 0830 WP 1 -- 6/19/2023 0850 WP 1 -- 6/19/2023 0850 WP 1 -- 6/19/2023 0910 WP 1 -- 6/19/2023 0910 WP 1 -- 6/19/2023 0910 WP 1 -- 6/19/2023 0905 WP 1 -- 6/19/2023 0905 WP 1 -- 6/19/2023 0905 WP 1 --			
SIGNATURE Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]				PRINT NAME Michaela km [Signature] [Signature] [Signature]			
COMPANY / TITLE Rincon Consultants EA EA EA				DATE / TIME 6/19/23 0815 6/19/23 0815 6/19/23 0815 6/19/23 0815			

2x Rivet Type 2 = 0.020042
 1x Rivet Type 2 = 0.010042

487146

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)					
Enthalpy Analytical - Orange		COC ID:		Standard:					
931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Page: 2 of 2		5 Day: 3 Day: 1 Day: custom TAT					
CUSTOMER INFORMATION		PROJECT INFORMATION		Test Instructions / Comments					
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721	Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm ² basis Report lead concentrations on a µg/m ² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 4 Enclosure CID (Low Occupancy)					
Report To:	Lindsey Parker	Proj. Name:	Hangar 1 - NCTRA WP						
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491						
Address:	449 15th Street, Suite 303 Oakland, California 94612	P.O. #:							
Phone:	(651) 890-9556	Address:	158 Cody Road, Mountain View, CA						
Fax:		Global ID:							
Sampled By:		M. Kim D. Neish							
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	Analysis Request	Test Instructions / Comments
16 ARCH-C6W-PS-2.5-230619-P-G	6/19/2023	0935	WP	1	--	X			
17 ARCH-C6W-PS-2.5-230619-L-G	6/19/2023	0935	WP	1	--	X			6x Rivet Type 1 = 0.0828 µg/m ²
18 ARCH-C7W-PS-2.5-230619-P-G	6/19/2023	0945	WP	1	--	X			
19 ARCH-C7W-PS-2.5-230619-L-G	6/19/2023	0945	WP	1	--	X			6x Rivet Type 1 = 0.0828 µg/m ²
20 ARCH-C6W-DG-3 TO 3.5-230619-P-FB	6/19/2023	1000	WP	1	--	X			
21 ARCH-C6W-DG-3 TO 3.5-230619-L-FB	6/19/2023	1000	WP	1	--	X			
22 ARCH-C6W-DG-3 TO 3.5-230619-L-DUP-FB	6/19/2023	1000	WP	1	--	X			
23 ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-P-LA	6/19/2023	1010	WP	1	--	X			
24 ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-L-LA	6/19/2023	1010	WP	1	--	X			2x Rivet Type 2 = 0.0100 µg/m ²
25									
26									
27									
28									
29									
30									

Signature	Print Name	Company / Title	Date / Time
	Michael Akim Rincon	Rincon/EN-Scientist	6/19/23 @ 1545
	Lindsey Parker	EA	6/19/23 1545
	Michael Akim Rincon	EA	6/19/23 17:22
	Lindsey Parker	EA	6/19/23 17:22
	Michael Akim Rincon	EA	6/19/23 17:22
	Lindsey Parker	EA	6/19/23 17:22

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

SAMPLE RECEIPT CHECKLIST				 ENTHALPY ANALYTICAL
Section 1: General Info				
Date Received: <u>6/19/23</u> Login # <u>487140</u> Client: <u>Rincon</u>				
Section 2: Shipping / Custody				
Shipping Info: _____				
Are custody seals present? ☒ No ☐ Yes If yes, where? ☐ on cooler, ☐ on samples, ☐ on package				
Custody seals intact on arrival? ☐ Yes ☐ No ☐ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials				
Section 3: Condition / Packaging Important: Notify PM if temperature exceeds 6°C or arrive frozen				
Date Opened <u>6/19/23</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>6/19/23</u> By (print) <u>my</u> (sign) _____				
Date Labeled <u>6/19/23</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

487140

SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: <u>Rincon Consultants</u>	Project: <u>Hangar 1 NTCRA</u>
Date Received: <u>06/20/23</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>2.4</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: <u>Southwest Airlines</u>	

Section 3	
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other _____	
Cooler Temp (°C): #1: <u>1.4</u> #2: _____ #3: _____ #4: _____	

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

Section 5 Explanations/Comments

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

Completed By: [Signature] Date: JUN 20 2023

SOUTHWEST AIRLINES

Printed on:
19 JUN 18:34

526 OAK 8961 **6435** 

SNA	PC#	LOT WT
	1 OF 3	150 LB
	DG	(68.0 KG)
OAK WN 3564 19 JUN 20:20		
STN	FLT	DATE ETD LOT 01

2.4 / 1.4



PC ID: 0001
PC WT: 50LB

S

526 89616435 0001

Results & QC Summary

Lead

Lab #: 487140		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-EXT-1 TO 2-230619-L-WF		Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-002		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487140-002 Analyte		Result	RL Units
Lead		29	0.50 ug/ft2
Field ID: ARCH-C7W-EXT-1 TO 2-230619-L-WF		Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-004		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487140-004 Analyte		Result	RL Units
Lead		26	0.50 ug/ft2
Field ID: ARCH-C6W-DG-1.5 TO 2-230619-L-FB		Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-006		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487140-006 Analyte		Result	RL Units
Lead		17	0.50 ug/ft2
Field ID: ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-L-LA		Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-009		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487140-009 Analyte		Result	RL Units
Lead		25	0.50 ug/ft2
Field ID: ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-L-LA		Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-012		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487140-012 Analyte		Result	RL Units
Lead		23	0.50 ug/ft2

Lead

Lab #: 487140		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C7W-DG-2 TO 2.5-230619-L-FB		Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-014		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487140-014 Analyte		Result	RL Units
Lead		15	0.50 ug/ft2
Field ID: ARCH-C7W-DG-2 TO 2.5-230619-L-DUP-FB		Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-015		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487140-015 Analyte		Result	RL Units
Lead		10	0.50 ug/ft2
Field ID: ARCH-C6W-PS-2.5-230619-L-G		Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-017		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487140-017 Analyte		Result	RL Units
Lead		43	0.46 ug/ft2
Field ID: ARCH-C7W-PS-2.5-230619-L-G		Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-019		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487140-019 Analyte		Result	RL Units
Lead		22	0.46 ug/ft2
Field ID: ARCH-C6W-DG-3 TO 3.5-230619-L-FB		Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-021		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487140-021 Analyte		Result	RL Units
Lead		29	0.50 ug/ft2

Lead

Lab #: 487140	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-DG-3 TO 3.5-230619-L-DUP-FB	Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-022	Received: 06/19/23	Analyst: SBW
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/21/23	

487140-022 Analyte	Result	RL	Units
Lead	18	0.50	ug/ft2

Field ID: ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-L-LA	Batch#: 316526	Prep: EPA 3050B
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487140-024	Received: 06/19/23	Analyst: SBW
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/21/23	

487140-024 Analyte	Result	RL	Units
Lead	56	0.50	ug/ft2

Type: BLANK	Batch#: 316526	Analysis: EPA 6010B
Lab ID: QC1074451	Prepared: 06/21/23	Analyst: SBW
Matrix: Wipe	Analyzed: 06/21/23	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1074451 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
 ND: Not Detected
 RL: Reporting Limit

Lead: Batch QC

Lab #: 487140

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 316526

Analysis: EPA 6010B

Lab ID: QC1074452

Prepared: 06/21/23

Analyst: SBW

Matrix: Wipe

Analyzed: 06/21/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1074452 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	106.6	107	80-120	ug/ft2

Type: BSD

Batch#: 316526

Analysis: EPA 6010B

Lab ID: QC1074453

Prepared: 06/21/23

Analyst: SBW

Matrix: Wipe

Analyzed: 06/21/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1074453 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	106.3	106	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 487140 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	P B
487140-002	MET06	06/21/23 11:56	1.0	✓
487140-004	MET06	06/21/23 11:47	1.0	✓
487140-006	MET06	06/21/23 12:00	1.0	✓
487140-009	MET06	06/21/23 12:03	1.0	✓
487140-012	MET06	06/21/23 12:06	1.0	✓
487140-014	MET06	06/21/23 12:09	1.0	✓
487140-015	MET06	06/21/23 12:13	1.0	✓
487140-017	MET06	06/21/23 12:16	1.0	✓
487140-019	MET06	06/21/23 12:19	1.0	✓
487140-021	MET06	06/21/23 12:29	1.0	
487140-021	MET06	06/21/23 14:21	1.0	✓
487140-022	MET06	06/21/23 12:32	1.0	
487140-022	MET06	06/21/23 14:25	1.0	✓
487140-024	MET06	06/21/23 12:35	1.0	
487140-024	MET06	06/21/23 14:28	1.0	✓
QC1074451	MET06	06/21/23 11:28	1.0	✓
QC1074452	MET06	06/21/23 11:31	1.0	✓
QC1074453	MET06	06/21/23 11:53	1.0	✓

Instrument: MET06
Method: EPA 6010B

Begun: 06/21/23 08:42

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			06/21/23 08:42	1.0	1	
002	met06_master011	ICAL	L1			06/21/23 08:46	1.0	2 1	
003	met06_master011	ICAL	L2			06/21/23 08:49	1.0	3 1	
004	met06_master011	ICAL	L3			06/21/23 08:52	1.0	4 1	
005	met06_master011	ICAL	L4			06/21/23 08:55	1.0	5 1	
006	met06_master011	ICAL	L5			06/21/23 08:59	1.0	6 1	
007	met06_master011	ICAL	L6			06/21/23 09:02	1.0	7 1	
008	met06_master011	ICAL	L7			06/21/23 09:05	1.0	8 1	
009	met06_master011	ICAL	L8			06/21/23 09:08	1.0	9 1	
010	met06_master011	ICV				06/21/23 09:21	1.0	10 1	
011	met06_master011	CRI				06/21/23 09:24	1.0	11 1	
012	met06_master011	ICB				06/21/23 09:27	1.0	1	
013	met06_master011	ICSA				06/21/23 09:31	1.0	12 1	5:MGASMGCO3=1500
014	met06_master011	ICSAB				06/21/23 09:34	1.0	13 1	5:MGASMGCO3=1500
015	met06_master011	LCS	QC1074246	Miscell.	316457	06/21/23 09:38	1.0	1	
016	met06_master011	MS	QC1074247	Miscell.	316457	06/21/23 09:41	10.0	1	
017	met06_master011	MSD	QC1074248	Miscell.	316457	06/21/23 09:44	10.0	1	
018	met06_master011	PDS	QC1074249	Miscell.	316457	06/21/23 09:48	10.0	1	
019	met06_master011	SAMPLE	487052-002	Miscell.	316457	06/21/23 09:51	100.0	1	
020	met06_master011	SAMPLE	487053-002	Miscell.	316457	06/21/23 09:54	100.0	1	
021	met06_master011	SAMPLE	485989-006	WET Leachate	315987	06/21/23 09:58	1.0	1	1:FE=29
022	met06_master011	SAMPLE	486975-007	Soil	316407	06/21/23 10:01	10.0	1	1:FE=40
023	met06_master011	BLANK	QC1074380	Soil	316498	06/21/23 10:04	1.0	1	
024	met06_master011	LCS	QC1074381	Soil	316498	06/21/23 10:07	1.0	1	
025	met06_master011	CCV				06/21/23 10:11	1.0	10 1	
026	met06_master011	CCB				06/21/23 10:14	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 06/21/23 08:42

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
027	met06_master011	MSS	486880-014	Soil	316498	06/21/23 10:17	1.0	1	
028	met06_master011	MS	QC1074382	Soil	316498	06/21/23 10:20	1.0	1	4:ALASAL2O3=470
029	met06_master011	MSD	QC1074383	Soil	316498	06/21/23 10:24	1.0	1	4:ALASAL2O3=480
030	met06_master011	SAMPLE	485989-006	WET Leachate	315987	06/21/23 10:28	2.0	1	
031	met06_master011	LCS	QC1074246	Miscell.	316457	06/21/23 10:32	1.0	1	
032	met06_master011	PDS	QC1074524	Soil	316498	06/21/23 10:35	1.0	1	4:ALASAL2O3=390
033	met06_master011	SAMPLE	486880-015	Soil	316498	06/21/23 10:38	1.0	1	2:FE=150
034	met06_master011	SAMPLE	486880-016	Soil	316498	06/21/23 10:41	1.0	1	2:FE=160
035	met06_master011	SAMPLE	486880-018	Soil	316498	06/21/23 10:45	1.0	1	2:FE=180
036	met06_master011	SAMPLE	486880-019	Soil	316498	06/21/23 10:48	1.0	1	1:FE=110
037	met06_master011	CCV				06/21/23 10:51	1.0	10 1	
038	met06_master011	CCB				06/21/23 10:54	1.0	1	
039	met06_master011	BLANK	QC1073723	Water	316320	06/21/23 10:58	1.0	1	
040	met06_master011	LCS	QC1073724	Water	316320	06/21/23 11:01	1.0	1	
041	met06_master011	SAMPLE	486864-001	Water	316320	06/21/23 11:04	1.0	1	
042	met06_master011	SAMPLE	486911-005	Water	316320	06/21/23 11:07	1.0	1	
043	met06_master011	SAMPLE	486971-002	Water	316320	06/21/23 11:11	1.0	1	2:NA=1200
044	met06_master011	MSS	486880-014	Soil	316498	06/21/23 11:16	1.0	1	3:FEASFE2O3=270
045	met06_master011	SAMPLE	486971-003	Water	316320	06/21/23 11:19	1.0	1	1:NA=2800
046	met06_master011	SAMPLE	486988-001	Water	316320	06/21/23 11:22	1.0	1	
047	met06_master011	BLANK	QC1074451	Wipe	316526	06/21/23 11:28	1.0	1	
048	met06_master011	BS	QC1074452	Wipe	316526	06/21/23 11:31	1.0	1	
049	met06_master011	CCV				06/21/23 11:34	1.0	10 1	
050	met06_master011	CCB				06/21/23 11:38	1.0	1	
051	met06_master011	XBSD	QC1074453	Wipe	316526	06/21/23 11:41	1.0	1	
052	met06_master011	XSAMPLE	487140-002	Wipe	316526	06/21/23 11:44	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 06/21/23 08:42

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master011	SAMPLE	487140-004	Wipe	316526	06/21/23 11:47	1.0	1	1:FE=77
054	met06_master011	BSD	QC1074453	Wipe	316526	06/21/23 11:53	1.0	1	
055	met06_master011	SAMPLE	487140-002	Wipe	316526	06/21/23 11:56	1.0	1	1:FE=78
056	met06_master011	SAMPLE	487140-006	Wipe	316526	06/21/23 12:00	1.0	1	1:FE=77
057	met06_master011	SAMPLE	487140-009	Wipe	316526	06/21/23 12:03	1.0	1	1:FE=99
058	met06_master011	SAMPLE	487140-012	Wipe	316526	06/21/23 12:06	1.0	1	1:FE=68
059	met06_master011	SAMPLE	487140-014	Wipe	316526	06/21/23 12:09	1.0	1	1:FE=140
060	met06_master011	SAMPLE	487140-015	Wipe	316526	06/21/23 12:13	1.0	1	1:FE=130
061	met06_master011	SAMPLE	487140-017	Wipe	316526	06/21/23 12:16	1.0	1	1:FE=95
062	met06_master011	SAMPLE	487140-019	Wipe	316526	06/21/23 12:19	1.0	1	1:FE=64
063	met06_master011	CCV				06/21/23 12:22	1.0	10 1	
064	met06_master011	CCB				06/21/23 12:26	1.0	1	
065	met06_master011	SAMPLE	487140-021	Wipe	316526	06/21/23 12:29	1.0	1	1:FE=79
066	met06_master011	SAMPLE	487140-022	Wipe	316526	06/21/23 12:32	1.0	1	1:FE=120
067	met06_master011	SAMPLE	487140-024	Wipe	316526	06/21/23 12:35	1.0	1	1:FE=110
068	met06_master011	BLANK	QC1074448	Wipe	316528	06/21/23 12:39	1.0	1	
069	met06_master011	BS	QC1074449	Wipe	316528	06/21/23 12:42	1.0	1	
070	met06_master011	BSD	QC1074450	Wipe	316528	06/21/23 12:45	1.0	1	
071	met06_master011	SAMPLE	487142-002	Wipe	316528	06/21/23 12:48	1.0	1	1:FE=66
072	met06_master011	SAMPLE	487142-004	Wipe	316528	06/21/23 12:52	1.0	1	1:FE=47
073	met06_master011	SAMPLE	487142-006	Wipe	316528	06/21/23 12:55	1.0	1	1:FE=26
074	met06_master011	SAMPLE	487142-008	Wipe	316528	06/21/23 12:58	1.0	1	1:FE=27
075	met06_master011	CCV				06/21/23 13:01	1.0	10 1	
076	met06_master011	CCB				06/21/23 13:05	1.0	1	
077	met06_master011	SAMPLE	487142-010	Wipe	316528	06/21/23 13:08	1.0	1	1:FE=28
078	met06_master011	SAMPLE	487142-012	Wipe	316528	06/21/23 13:11	1.0	1	1:FE=41

Instrument: MET06 Method: EPA 6010B					Begun: 06/21/23 08:42				
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master011	SAMPLE	487142-014	Wipe	316528	06/21/23 13:14	1.0	1	1:FE=26
080	met06_master011	SAMPLE	487142-016	Wipe	316528	06/21/23 13:18	1.0	1	1:FE=39

SBW 06/21/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 080.

Standards Used:

1=S14463 2=S18516 3=S18515 4=S18514 5=S18513 6=S18512 7=S18437 8=S18468 9=S18177 10=S18532 11=S18469 12=S18280 13=S18548

Date: 06/21/23
Sequence: MET06 06/21/23

Reference: met06_master011
Analyzed: 06/21/23 08:42

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	35735800	1332400	54817
		LOWER LIMIT	10720740	399720	16445
		UPPER LIMIT	71471600	2664800	109634
012	ICB		35933000	1358230	54433
013	ICSA		30152300	1166630	51830
014	ICSAB		30136900	1168940	49545
015	LCS	QC1074246	34472200	1308240	52358
016	MS	QC1074247	35714600	1382130	53993
017	MSD	QC1074248	35563500	1385550	53607
018	PDS	QC1074249	35205200	1369320	53133
019	SAMPLE	487052-002	37604900	1464570	54743
020	SAMPLE	487053-002	38006700	1473570	54445
021	SAMPLE	485989-006	33488100	1319950	51692
022	SAMPLE	486975-007	34859500	1361900	51430
023	BLANK	QC1074380	35670600	1367720	52744
024	LCS	QC1074381	35917800	1392640	52940
025	CCV		33760400	1331590	50712
026	CCB		36584000	1421170	52716
027	MSS	486880-014	86235500 *	3797750 *	95357
028	MS	QC1074382	32790700	1298920	50333
029	MSD	QC1074383	33297600	1315080	50495
030	SAMPLE	485989-006	35717400	1430830	52493
031	LCS	QC1074246	34728600	1374000	50893
032	PDS	QC1074524	33814100	1354870	50578
033	SAMPLE	486880-015	34371800	1361630	51599
034	SAMPLE	486880-016	34166900	1368690	50718
035	SAMPLE	486880-018	34485300	1378700	50562
036	SAMPLE	486880-019	34725800	1388330	51123
037	CCV		33925400	1363450	50044
038	CCB		36692800	1458830	51669
039	BLANK	QC1073723	36549400	1427300	51904
040	LCS	QC1073724	34684200	1397050	51079
041	SAMPLE	486864-001	34806600	1382480	50735
042	SAMPLE	486911-005	33279700	1356020	50180
043	SAMPLE	486971-002	28924400	1206350	47552
044	MSS	486880-014	33915100	1353820	51317
045	SAMPLE	486971-003	20547000	999384	40867
046	SAMPLE	486988-001	33946800	1366630	48814
047	BLANK	QC1074451	34943000	1399500	50676
048	BS	QC1074452	34644000	1391840	49253
049	CCV		35174300	1451350	50223
050	CCB		37462700	1511070	52422
053	SAMPLE	487140-004	34514800	1344040	50057
054	BSD	QC1074453	34473300	1389440	50559
055	SAMPLE	487140-002	35158900	1386420	52067
056	SAMPLE	487140-006	34704100	1385390	51121
057	SAMPLE	487140-009	34946200	1396090	50640
058	SAMPLE	487140-012	35330400	1399450	52362
059	SAMPLE	487140-014	34654500	1390180	50147
060	SAMPLE	487140-015	34809300	1390510	51297
061	SAMPLE	487140-017	35081000	1406050	51374

Date: 06/21/23 Sequence: MET06 06/21/23			Reference: met06_master011 Analyzed: 06/21/23 08:42		
#	Type	Sample ID	Y H	Y A	Y R
062	SAMPLE	487140-019	35180100	1402280	51285
063	CCV		35774800	1468790	51488
064	CCB		38255200	1545480	52924
065	SAMPLE	487140-021	34701100	1394950	51706
066	SAMPLE	487140-022	35019800	1422110	51445
067	SAMPLE	487140-024	35339700	1426270	51466
068	BLANK	QC1074448	35427700	1442180	51354
069	BS	QC1074449	35064400	1443350	51230
070	BSD	QC1074450	35216300	1449760	50827
071	SAMPLE	487142-002	35509700	1444050	51686
072	SAMPLE	487142-004	35505700	1436760	52132
073	SAMPLE	487142-006	35712400	1442840	52317
074	SAMPLE	487142-008	35937700	1453960	51971
075	CCV		36730800	1535680	52341
076	CCB		39238400	1615550	54075
077	SAMPLE	487142-010	35215300	1413870	52261
078	SAMPLE	487142-012	35594100	1447110	51529
079	SAMPLE	487142-014	36523800	1455080	54143
080	SAMPLE	487142-016	36220900	1455860	51492

Instrument: MET06
 Calibration #: 483248202001
 Units: mg/L

Date: 21-JUN-2023 08:42
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483248202002	L1	21-JUN-2023 08:46	S18516, S14463 (100X)
L2	met06_master011	483248202003	L2	21-JUN-2023 08:49	S18515, S14463 (100X)
L3	met06_master011	483248202004	L3	21-JUN-2023 08:52	S18514, S14463 (100X)
L4	met06_master011	483248202005	L4	21-JUN-2023 08:55	S18513, S14463 (100X)
L5	met06_master011	483248202006	L5	21-JUN-2023 08:59	S18512, S14463 (100X)
L6	met06_master011	483248202007	L6	21-JUN-2023 09:02	S18437, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00805	38.2610		0.0122	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	-0.041	0.0071	0.0267	0.0275	0.0263	0.0261

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-13	0.0100	8	0.1000	10	1.0000	6	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	Cal Date: 21-JUN-2023
Calnum: 483248202001	

- ICV 483248202010 (21-JUN-2023) stds: S18532, S14463 (100X)

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

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248202012	File: met06_master011
Cal: 483248202001	Time: 21-JUN-2023 09:27
Caldate: 21-JUN-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	35735800	35933000	0.55
Yttrium	A	1332400	1358230	1.94
Yttrium	R	54817	54433	-0.70

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248202013	Caldate: 21-JUN-2023	Time: 21-JUN-2023 09:31
Cal: 483248202001		

Standards: S18280, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.0006520]	0.003333	mg/l	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	143.5	mg/l	90	
Magnesium	R	400.0	438.5	mg/l	110	calc

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	30152300	-15.62
Yttrium	A	1332400	1166630	-12.44
Yttrium	R	54817	51830	-5.45

calc=check quantitation

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248202014	File: met06_master011
Cal: 483248202001	Time: 21-JUN-2023 09:34
Caldate: 21-JUN-2023	

Standards: S18548, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.022	mg/l	2	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	30136900	-15.67
Yttrium	A	1332400	1168940	-12.27
Yttrium	R	54817	49545	-9.62

ENTHALPY CONTINUING CALIBRATION FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248202037	File: met06_master011
Cal: 483248202001	Time: 21-JUN-2023 10:51
Caldate: 21-JUN-2023	

Standards: S18532, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0122	0.0278	1.000	1.071	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	33925400	-5.07
Yttrium	A	1332400	1363450	2.33
Yttrium	R	54817	50044	-8.71

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248202038	Caldate: 21-JUN-2023	Time: 21-JUN-2023 10:54
Cal: 483248202001		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	36692800	2.68
Yttrium	A	1332400	1458830	9.49
Yttrium	R	54817	51669	-5.74

ENTHALPY CONTINUING CALIBRATION FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248202049	File: met06_master011
Cal: 483248202001	Time: 21-JUN-2023 11:34
Caldate: 21-JUN-2023	

Standards: S18532, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0122	0.0282	1.000	1.087	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	35174300	-1.57
Yttrium	A	1332400	1451350	8.93
Yttrium	R	54817	50223	-8.38

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248202050	File: met06_master011
Cal: 483248202001	Time: 21-JUN-2023 11:38
Caldate: 21-JUN-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	35735800	37462700	4.83
Yttrium	A	1332400	1511070	13.41
Yttrium	R	54817	52422	-4.37

ENTHALPY CONTINUING CALIBRATION FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248202063	File: met06_master011
Cal: 483248202001	Time: 21-JUN-2023 12:22
Caldate: 21-JUN-2023	

Standards: S18532, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0122	0.0285	1.000	1.100	mg/l	10	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	35774800	0.11
Yttrium	A	1332400	1468790	10.24
Yttrium	R	54817	51488	-6.07

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248202064	Caldate: 21-JUN-2023	Time: 21-JUN-2023 12:26
Cal: 483248202001		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	38255200	7.05
Yttrium	A	1332400	1545480	15.99
Yttrium	R	54817	52924	-3.45

Instrument: MET06

Begun: 06/21/23 13:27

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			06/21/23 13:27	1.0	1	
002	met06_master011	ICAL	L1			06/21/23 13:30	1.0	2 1	
003	met06_master011	ICAL	L2			06/21/23 13:33	1.0	3 1	
004	met06_master011	ICAL	L3			06/21/23 13:37	1.0	4 1	
005	met06_master011	ICAL	L4			06/21/23 13:40	1.0	5 1	
006	met06_master011	ICAL	L5			06/21/23 13:43	1.0	6 1	
007	met06_master011	ICAL	L6			06/21/23 13:47	1.0	7 1	
008	met06_master011	ICAL	L7			06/21/23 13:50	1.0	8 1	
009	met06_master011	ICAL	L8			06/21/23 13:53	1.0	9 1	
010	met06_master011	ICV				06/21/23 14:05	1.0	10 1	
011	met06_master011	CRI				06/21/23 14:08	1.0	11 1	
012	met06_master011	ICB				06/21/23 14:11	1.0	1	
013	met06_master011	ICSA				06/21/23 14:15	1.0	12 1	3:CAASCACO3=990
014	met06_master011	ICSAB				06/21/23 14:18	1.0	13 1	3:CAASCACO3=990
015	met06_master011	SAMPLE	487140-021	Wipe	316526	06/21/23 14:21	1.0	1	1:FE=81
016	met06_master011	SAMPLE	487140-022	Wipe	316526	06/21/23 14:25	1.0	1	1:FE=130
017	met06_master011	SAMPLE	487140-024	Wipe	316526	06/21/23 14:28	1.0	1	1:FE=120
018	met06_master011	BLANK	QC1074448	Wipe	316528	06/21/23 14:31	1.0	1	
019	met06_master011	BS	QC1074449	Wipe	316528	06/21/23 14:35	1.0	1	
020	met06_master011	BSD	QC1074450	Wipe	316528	06/21/23 14:38	1.0	1	
021	met06_master011	SAMPLE	487142-002	Wipe	316528	06/21/23 14:41	1.0	1	1:FE=68
022	met06_master011	SAMPLE	487142-004	Wipe	316528	06/21/23 14:45	1.0	1	1:FE=48
023	met06_master011	SAMPLE	487142-006	Wipe	316528	06/21/23 14:48	1.0	1	1:FE=27
024	met06_master011	SAMPLE	487142-008	Wipe	316528	06/21/23 14:51	1.0	1	1:FE=27
025	met06_master011	CCV				06/21/23 14:54	1.0	10 1	
026	met06_master011	CCB				06/21/23 15:04	1.0	1	
027	met06_master011	SAMPLE	487142-010	Wipe	316528	06/21/23 15:07	1.0	1	1:FE=29
028	met06_master011	SAMPLE	487142-012	Wipe	316528	06/21/23 15:10	1.0	1	1:FE=42
029	met06_master011	SAMPLE	487142-014	Wipe	316528	06/21/23 15:13	1.0	1	1:FE=26
030	met06_master011	SAMPLE	487142-016	Wipe	316528	06/21/23 15:16	1.0	1	1:FE=39

Standards Used:

1=S14463 2=S18516 3=S18515 4=S18514 5=S18513 6=S18512 7=S18437 8=S18468 9=S18177 10=S18532 11=S18469 12=S18280 13=S18548

Date: 06/21/23 Sequence: MET06 06/21/23			Reference: met06_master011 Analyzed: 06/21/23 13:27		
#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	38869500	1612450	54209
		LOWER LIMIT	11660850	483735	16263
		UPPER LIMIT	77739000	3224900	108418
012	ICB		38432000	1575100	52886
013	ICSA		32640500	1372450	49361
014	ICSAB		32590100	1369950	48203
015	SAMPLE	487140-021	35701700	1447310	50186
016	SAMPLE	487140-022	35619100	1452490	50029
017	SAMPLE	487140-024	35884500	1456880	50176
018	BLANK	QC1074448	36350500	1498950	49640
019	BS	QC1074449	35908900	1493750	50272
020	BSD	QC1074450	36072100	1491450	50084
021	SAMPLE	487142-002	36198700	1481650	50939
022	SAMPLE	487142-004	36078000	1476900	50634
023	SAMPLE	487142-006	36509700	1483640	51425
024	SAMPLE	487142-008	36567000	1484410	51396
025	CCV		37268100	1569980	50880
026	CCB		39685600	1671680	53482
027	SAMPLE	487142-010	36570200	1484470	52050
028	SAMPLE	487142-012	36532200	1499590	51787
029	SAMPLE	487142-014	36981700	1500390	51624
030	SAMPLE	487142-016	36719800	1507120	51596

Instrument: MET06
 Calibration #: 483248487001
 Units: mg/L

Date: 21-JUN-2023 13:27
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483248487002	L1	21-JUN-2023 13:30	S18516, S14463 (100X)
L2	met06_master011	483248487003	L2	21-JUN-2023 13:33	S18515, S14463 (100X)
L3	met06_master011	483248487004	L3	21-JUN-2023 13:37	S18514, S14463 (100X)
L4	met06_master011	483248487005	L4	21-JUN-2023 13:40	S18513, S14463 (100X)
L5	met06_master011	483248487006	L5	21-JUN-2023 13:43	S18512, S14463 (100X)
L6	met06_master011	483248487007	L6	21-JUN-2023 13:47	S18437, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00729	37.2456		0.0152	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	-0.025	0.0069	0.0273	0.0281	0.0269	0.0268

Spiked Amounts / Drifts	Ch	L1 %D	L2 %D	L3 %D	L4 %D	L5 %D	L6 %D
Lead	A	0.0033 26	0.0100 -2	0.1000 9	1.0000 6	5.0000 0	10.000 0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06
Calnum: 483248487001

Cal Date: 21-JUN-2023

- ICV 483248487010 (21-JUN-2023) stds: S18532, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.085	mg/l	9	10	

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248487012	File: met06_master011
Cal: 483248487001	Time: 21-JUN-2023 14:11
Caldate: 21-JUN-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	38869500	38432000	-1.13
Yttrium	A	1612450	1575100	-2.32
Yttrium	R	54209	52886	-2.44

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248487013	Caldate: 21-JUN-2023	Time: 21-JUN-2023 14:15
Cal: 483248487001		

Standards: S18280, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.008394	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	142.9	mg/l	89	
Calcium	R	400.0	396.1	mg/l	99	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	38869500	32640500	-16.03
Yttrium	A	1612450	1372450	-14.88
Yttrium	R	54209	49361	-8.94

+ = high bias a = ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248487014	File: met06_master011
Cal: 483248487001	Time: 21-JUN-2023 14:18
Caldate: 21-JUN-2023	

Standards: S18548, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.020	mg/l	2	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	38869500	32590100	-16.16
Yttrium	A	1612450	1369950	-15.04
Yttrium	R	54209	48203	-11.08

ENTHALPY CONTINUING CALIBRATION FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248487025	File: met06_master011
Cal: 483248487001	Time: 21-JUN-2023 14:54
Caldate: 21-JUN-2023	

Standards: S18532, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0152	0.0286	1.000	1.073	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	38869500	37268100	-4.12
Yttrium	A	1612450	1569980	-2.63
Yttrium	R	54209	50880	-6.14

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248487026	File: met06_master011
Cal: 483248487001	Time: 21-JUN-2023 15:04
Caldate: 21-JUN-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	38869500	39685600	2.10
Yttrium	A	1612450	1671680	3.67
Yttrium	R	54209	53482	-1.34

SAMPLE PREPARATION SUMMARY

Batch #: 316526
Started By: RPS

Method: 3050B
Prep Date: 21-JUN-2023 08:16

Analysis: ICP
Finished By: RPS

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S18277	Spike S18278	Analysis
487140-002	Wipe	1 ft2	100 mL	100.0				6010
487140-004	Wipe	1 ft2	100 mL	100.0				6010
487140-006	Wipe	1 ft2	100 mL	100.0				6010
487140-009	Wipe	1.01 ft2	100 mL	99.01				6010
487140-012	Wipe	1 ft2	100 mL	100.0				6010
487140-014	Wipe	1 ft2	100 mL	100.0				6010
487140-015	Wipe	1 ft2	100 mL	100.0				6010
487140-017	Wipe	1.0828 ft2	100 mL	92.35				6010
487140-019	Wipe	1.0828 ft2	100 mL	92.35				6010
487140-021	Wipe	1 ft2	100 mL	100.0				6010
487140-022	Wipe	1 ft2	100 mL	100.0				6010
487140-024	Wipe	1.01 ft2	100 mL	99.01				6010
QC1074451 BLANK	Wipe	1 ft2	100 mL	100.0				ICP
QC1074452 BS	Wipe	1 ft2	100 mL	100.0		1 mL	1 mL	ICP
QC1074453 BSD	Wipe	1 ft2	100 mL	100.0		1 mL	1 mL	ICP

Analyst: SBW 06/21/23

Reviewer: MCP 06/21/23

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Therm ID/Corr Factor: 992650 / 5

HotBlock Temp (Obs/Cor), °C: 96 / 96

ICP Raw Data

Instrument: MET06
Method: EPA 6010B

Begun: 06/21/23 08:42

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			06/21/23 08:42	1.0	1	
002	met06_master011	ICAL	L1			06/21/23 08:46	1.0	2 1	
003	met06_master011	ICAL	L2			06/21/23 08:49	1.0	3 1	
004	met06_master011	ICAL	L3			06/21/23 08:52	1.0	4 1	
005	met06_master011	ICAL	L4			06/21/23 08:55	1.0	5 1	
006	met06_master011	ICAL	L5			06/21/23 08:59	1.0	6 1	
007	met06_master011	ICAL	L6			06/21/23 09:02	1.0	7 1	
008	met06_master011	ICAL	L7			06/21/23 09:05	1.0	8 1	
009	met06_master011	ICAL	L8			06/21/23 09:08	1.0	9 1	
010	met06_master011	ICV				06/21/23 09:21	1.0	10 1	
011	met06_master011	CRI				06/21/23 09:24	1.0	11 1	
012	met06_master011	ICB				06/21/23 09:27	1.0	1	
013	met06_master011	ICSA				06/21/23 09:31	1.0	12 1	5:MGASMGCO3=1500
014	met06_master011	ICSAB				06/21/23 09:34	1.0	13 1	5:MGASMGCO3=1500
015	met06_master011	LCS	QC1074246	Miscell.	316457	06/21/23 09:38	1.0	1	
016	met06_master011	MS	QC1074247	Miscell.	316457	06/21/23 09:41	10.0	1	
017	met06_master011	MSD	QC1074248	Miscell.	316457	06/21/23 09:44	10.0	1	
018	met06_master011	PDS	QC1074249	Miscell.	316457	06/21/23 09:48	10.0	1	
019	met06_master011	SAMPLE	487052-002	Miscell.	316457	06/21/23 09:51	100.0	1	
020	met06_master011	SAMPLE	487053-002	Miscell.	316457	06/21/23 09:54	100.0	1	
021	met06_master011	SAMPLE	485989-006	WET Leachate	315987	06/21/23 09:58	1.0	1	1:FE=29
022	met06_master011	SAMPLE	486975-007	Soil	316407	06/21/23 10:01	10.0	1	1:FE=40
023	met06_master011	BLANK	QC1074380	Soil	316498	06/21/23 10:04	1.0	1	
024	met06_master011	LCS	QC1074381	Soil	316498	06/21/23 10:07	1.0	1	
025	met06_master011	CCV				06/21/23 10:11	1.0	10 1	
026	met06_master011	CCB				06/21/23 10:14	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 06/21/23 08:42

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
027	met06_master011	MSS	486880-014	Soil	316498	06/21/23 10:17	1.0	1	
028	met06_master011	MS	QC1074382	Soil	316498	06/21/23 10:20	1.0	1	4:ALASAL2O3=470
029	met06_master011	MSD	QC1074383	Soil	316498	06/21/23 10:24	1.0	1	4:ALASAL2O3=480
030	met06_master011	SAMPLE	485989-006	WET Leachate	315987	06/21/23 10:28	2.0	1	
031	met06_master011	LCS	QC1074246	Miscell.	316457	06/21/23 10:32	1.0	1	
032	met06_master011	PDS	QC1074524	Soil	316498	06/21/23 10:35	1.0	1	4:ALASAL2O3=390
033	met06_master011	SAMPLE	486880-015	Soil	316498	06/21/23 10:38	1.0	1	2:FE=150
034	met06_master011	SAMPLE	486880-016	Soil	316498	06/21/23 10:41	1.0	1	2:FE=160
035	met06_master011	SAMPLE	486880-018	Soil	316498	06/21/23 10:45	1.0	1	2:FE=180
036	met06_master011	SAMPLE	486880-019	Soil	316498	06/21/23 10:48	1.0	1	1:FE=110
037	met06_master011	CCV				06/21/23 10:51	1.0	10 1	
038	met06_master011	CCB				06/21/23 10:54	1.0	1	
039	met06_master011	BLANK	QC1073723	Water	316320	06/21/23 10:58	1.0	1	
040	met06_master011	LCS	QC1073724	Water	316320	06/21/23 11:01	1.0	1	
041	met06_master011	SAMPLE	486864-001	Water	316320	06/21/23 11:04	1.0	1	
042	met06_master011	SAMPLE	486911-005	Water	316320	06/21/23 11:07	1.0	1	
043	met06_master011	SAMPLE	486971-002	Water	316320	06/21/23 11:11	1.0	1	2:NA=1200
044	met06_master011	MSS	486880-014	Soil	316498	06/21/23 11:16	1.0	1	3:FEASFE2O3=270
045	met06_master011	SAMPLE	486971-003	Water	316320	06/21/23 11:19	1.0	1	1:NA=2800
046	met06_master011	SAMPLE	486988-001	Water	316320	06/21/23 11:22	1.0	1	
047	met06_master011	BLANK	QC1074451	Wipe	316526	06/21/23 11:28	1.0	1	
048	met06_master011	BS	QC1074452	Wipe	316526	06/21/23 11:31	1.0	1	
049	met06_master011	CCV				06/21/23 11:34	1.0	10 1	
050	met06_master011	CCB				06/21/23 11:38	1.0	1	
051	met06_master011	XBSD	QC1074453	Wipe	316526	06/21/23 11:41	1.0	1	
052	met06_master011	XSAMPLE	487140-002	Wipe	316526	06/21/23 11:44	1.0	1	

Instrument: MET06
Method: EPA 6010B

Begun: 06/21/23 08:42

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Std Used	
053	met06_master011	SAMPLE	487140-004	Wipe	316526	06/21/23 11:47	1.0	1	1:FE=77
054	met06_master011	BSD	QC1074453	Wipe	316526	06/21/23 11:53	1.0	1	
055	met06_master011	SAMPLE	487140-002	Wipe	316526	06/21/23 11:56	1.0	1	1:FE=78
056	met06_master011	SAMPLE	487140-006	Wipe	316526	06/21/23 12:00	1.0	1	1:FE=77
057	met06_master011	SAMPLE	487140-009	Wipe	316526	06/21/23 12:03	1.0	1	1:FE=99
058	met06_master011	SAMPLE	487140-012	Wipe	316526	06/21/23 12:06	1.0	1	1:FE=68
059	met06_master011	SAMPLE	487140-014	Wipe	316526	06/21/23 12:09	1.0	1	1:FE=140
060	met06_master011	SAMPLE	487140-015	Wipe	316526	06/21/23 12:13	1.0	1	1:FE=130
061	met06_master011	SAMPLE	487140-017	Wipe	316526	06/21/23 12:16	1.0	1	1:FE=95
062	met06_master011	SAMPLE	487140-019	Wipe	316526	06/21/23 12:19	1.0	1	1:FE=64
063	met06_master011	CCV				06/21/23 12:22	1.0	10 1	
064	met06_master011	CCB				06/21/23 12:26	1.0	1	
065	met06_master011	SAMPLE	487140-021	Wipe	316526	06/21/23 12:29	1.0	1	1:FE=79
066	met06_master011	SAMPLE	487140-022	Wipe	316526	06/21/23 12:32	1.0	1	1:FE=120
067	met06_master011	SAMPLE	487140-024	Wipe	316526	06/21/23 12:35	1.0	1	1:FE=110
068	met06_master011	BLANK	QC1074448	Wipe	316528	06/21/23 12:39	1.0	1	
069	met06_master011	BS	QC1074449	Wipe	316528	06/21/23 12:42	1.0	1	
070	met06_master011	BSD	QC1074450	Wipe	316528	06/21/23 12:45	1.0	1	
071	met06_master011	SAMPLE	487142-002	Wipe	316528	06/21/23 12:48	1.0	1	1:FE=66
072	met06_master011	SAMPLE	487142-004	Wipe	316528	06/21/23 12:52	1.0	1	1:FE=47
073	met06_master011	SAMPLE	487142-006	Wipe	316528	06/21/23 12:55	1.0	1	1:FE=26
074	met06_master011	SAMPLE	487142-008	Wipe	316528	06/21/23 12:58	1.0	1	1:FE=27
075	met06_master011	CCV				06/21/23 13:01	1.0	10 1	
076	met06_master011	CCB				06/21/23 13:05	1.0	1	
077	met06_master011	SAMPLE	487142-010	Wipe	316528	06/21/23 13:08	1.0	1	1:FE=28
078	met06_master011	SAMPLE	487142-012	Wipe	316528	06/21/23 13:11	1.0	1	1:FE=41

Instrument: MET06					Begun: 06/21/23 08:42				
Method: EPA 6010B									
#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master011	SAMPLE	487142-014	Wipe	316528	06/21/23 13:14	1.0	1	1:FE=26
080	met06_master011	SAMPLE	487142-016	Wipe	316528	06/21/23 13:18	1.0	1	1:FE=39

SBW 06/21/23 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 080.

Standards Used:

1=S14463 2=S18516 3=S18515 4=S18514 5=S18513 6=S18512 7=S18437 8=S18468 9=S18177 10=S18532 11=S18469 12=S18280 13=S18548

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-002	Client ID: ARCH-C6W-EXT-1 TO 2-230619-L-WF
Seqnum: 483248202055	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 11:56
Cal: 483248202001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2889	29	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1332400	1386420	4.05

U=USE

Sample Name: 487140-002,316526					Sample Type: Unknown Sample		
Measure Date: 2023-06-21 11:56:54			Recalculation Date:		State: Measured		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	17952.0000000	191.49800000	2473.47000000	5555.83000000	8379.03000000	1527.58000000	7771.08000000
Int RSD	1.50723596	30.46825554	0.87125374	0.57836543	1.13746221	8.35013551	1.12623599
Int SD	270.57900000	58.34610000	21.55020000	32.13300000	95.30830000	127.55500000	87.52070000
RelInt Mean	0.00003095	0.00219946	-0.00010323	0.00200447	0.00391586	0.02993970	0.00366592
RelInt RSD	7.22992361	46.69964446	8.91390016	0.24563850	1.39434249	5.51959438	1.24919529
RelInt SD	0.00000224	0.00102714	0.00000920	0.00000492	0.00005460	0.00165255	0.00004579
Conc Mean	<-0.00090342[mg/l]	<0.06649470[mg/l]	<-0.00922345[mg/l]	0.02342120[mg/l]	0.01226860[mg/l]	3.56757000[mg/l]	0.02163480[mg/l]
Conc RSD	12.52370173	230.68605468	6.81463010	0.28441967	1.43127985	5.26089187	1.34511990
Conc SD	0.00011314[mg/l]	0.15339400[mg/l]	0.00062854[mg/l]	0.00006661[mg/l]	0.00017560[mg/l]	0.18768600[mg/l]	0.00029101[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	12275.8000000	238391	26938800	-116.48700000	87.03120000	1059290	2880.17000000
Int RSD	2.62180062	2.82909170	0.89554843	21.47904916	120.48207999	0.15643969	0.65138516
Int SD	321.84700000	6744.30000000	241250	25.02030000	104.85700000	1657.15000000	18.76100000
RelInt Mean	0.00693200	0.00632301	19.48850000	-0.00112786	0.00200002	0.76381900	0.00006668
RelInt RSD	3.01347374	2.29786130	0.85424225	70.80533045	130.28069719	0.07421811	14.58568905
RelInt SD	0.00020889	0.00014529	0.16647900	0.00079858	0.00260564	0.00056689	0.00000973
Conc Mean	0.05988540[mg/l]	0.21688700[mg/l]	77.82800000[mg/l]	<-0.10698100[mg/l]	<0.84316800[mg/l]	0.64638000[mg/l]	0.00050020[mg/l]
Conc RSD	3.01579350	2.35463629	0.85428766	148.15154093	109.00805059	0.07416210	14.74619305
Conc SD	0.00180602[mg/l]	0.00510690[mg/l]	0.66487500[mg/l]	0.15849400[mg/l]	0.91912100[mg/l]	0.00047937[mg/l]	0.00007376[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	13433.6000000	12713.5000000	13369.3000000	2558.26000000	2550.45000000	5244.86000000	149.13900000
Int RSD	1.82449976	0.39916309	0.92363101	0.32825045	0.57384383	0.70574048	53.36833424
Int SD	245.09600000	50.74760000	123.48300000	8.39750000	14.63560000	37.01510000	79.59300000
RelInt Mean	0.25417800	0.00710871	0.00741677	0.00005643	0.00019479	0.00150481	0.00056628
RelInt RSD	1.48244931	0.63796807	1.21017909	36.42865750	27.27862625	0.74032602	312.25939295
RelInt SD	0.00376806	0.00004535	0.00008976	0.00002056	0.00005314	0.00001114	0.00176825
Conc Mean	5.61415000[mg/l]	0.06747670[mg/l]	0.28890200[mg/l]	0.00484666[mg/l]	0.01267620[mg/l]	0.03383540[mg/l]	<-0.00303136[mg/l]
Conc RSD	1.60357133	0.64660394	1.18241826	20.82341241	34.83504520	0.77969819	65.80775625
Conc SD	0.09002690[mg/l]	0.00043631[mg/l]	0.00341603[mg/l]	0.00100924[mg/l]	0.00441576[mg/l]	0.00026381[mg/l]	0.00199487[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	1049630	2304.15000000	5145.53000000	1386420	35158900	52067.3000000	2122810
Int RSD	1.67431381	0.48974242	1.46628822	0.22696585	0.84731035	0.53533408	1.00814486
Int SD	17574.1000000	11.28440000	75.44830000	3146.70000000	297905	278.73400000	21401.0000000
RelInt Mean	0.02917840	-0.00040676	0.00004844	---	---	---	1.53417000
RelInt RSD	1.44745085	5.33107975	3.47794579	---	---	---	0.79057732
RelInt SD	0.00042234	0.00002168	0.00000168	---	---	---	0.01212880
Conc Mean	0.34312300[mg/l]	<-0.03323910[mg/l]	0.01143060[mg/l]	1382010	35120300	52141.0000000	9.00793000[mg/l]
Conc RSD	1.44633557	5.08274893	3.52368205	---	---	---	0.79088092
Conc SD	0.00496271[mg/l]	0.00168946[mg/l]	0.00040278[mg/l]	3123.46000000	297426	243.16300000	0.07124200[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-40.88530000	121.88300000	457147	-41.73230000	3032.10000000	3056.52000000	
Int RSD	202.44904648	32.55753468	0.20318191	24.57904309	0.45688797	1.26069517	
Int SD	82.77190000	39.68210000	928.84000000	10.25740000	13.85330000	38.53340000	
RelInt Mean	-0.00232855	-0.00028551	0.32832100	-0.00003869	-0.00000819	0.00218275	
RelInt RSD	48.93989822	47.24146627	0.17685375	26.26972989	72.52067150	1.11590883	
RelInt SD	0.00113959	0.00013488	0.00058065	0.00001016	0.00000594	0.00002436	
Conc Mean	<-0.00602736[mg/l]	<0.00010260[mg/l]	5.64466000[mg/l]	<5.24080000[mg/l]	<-0.00007508[mg/l]	2.53062000[mg/l]	
Conc RSD	95.13186536	325.28630325	0.17705956	128.27927034	32.07394385	1.08527950	
Conc SD	0.00573394[mg/l]	0.00033375[mg/l]	0.00999441[mg/l]	6.72286000[mg/l]	0.00002408[mg/l]	0.02746430[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-004	Client ID: ARCH-C7W-EXT-1 TO 2-230619-L-WF
Seqnum: 483248202053	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 11:47
Cal: 483248202001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2575	26	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1332400	1344040	0.87

U=USE

Sample Name: 487140-004,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 11:47:50

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	17843.4000000	189.70300000	2655.20000000	5755.24000000	7942.99000000	1152.95000000	7585.12000000
Int RSD	0.61625587	20.70025250	1.00836472	1.91006804	0.58268360	7.97179409	0.20721228
Int SD	109.96100000	39.26900000	26.77410000	109.92900000	46.28250000	91.91808000	15.71730000
RelInt Mean	0.00003098	0.00263815	-0.00013711	0.00226814	0.00373589	0.02238000	0.00366532
RelInt RSD	8.24028405	14.07308152	22.58680923	2.62440149	0.54442716	11.80169794	1.03649613
RelInt SD	0.00000255	0.00037127	0.00003097	0.00005953	0.00002034	0.00264122	0.00003799
Conc Mean	<0.00090174[mg/l]	<0.13200900[mg/l]	<-0.01153860[mg/l]	0.02699030[mg/l]	0.01169180[mg/l]	2.70899000[mg/l]	0.02180490[mg/l]
Conc RSD	14.31559313	42.00168170	18.33957326	2.98531695	0.55738552	11.07305675	1.13399282
Conc SD	0.00012909[mg/l]	0.05544600[mg/l]	0.00211613[mg/l]	0.00080575[mg/l]	0.00006517[mg/l]	0.29996800[mg/l]	0.00024727[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	11725.1000000	258058	25854300	-237.47400000	20.82110000	959900	2840.18000000
Int RSD	1.15522256	2.46367871	0.15258236	6.89060697	141.19667069	0.76334618	1.48042730
Int SD	135.45100000	6357.72000000	39449.1000000	16.36340000	29.39870000	7327.36000000	42.04680000
RelInt Mean	0.00679445	0.00701207	19.29420000	-0.00307724	0.00124230	0.71379200	0.00002519
RelInt RSD	1.74548345	2.54387078	0.21482725	25.81800575	24.98204942	0.45719481	96.44225463
RelInt SD	0.00011860	0.00017838	0.04144920	0.00079448	0.00031035	0.00326342	0.00002429
Conc Mean	0.05869610[mg/l]	0.24110600[mg/l]	77.05220000[mg/l]	<-0.49387400[mg/l]	<0.57588900[mg/l]	0.60402800[mg/l]	<0.00018551[mg/l]
Conc RSD	1.74693038	2.60027125	0.21487511	31.92717171	19.00956608	0.45730993	99.30355285
Conc SD	0.00102538[mg/l]	0.00626941[mg/l]	0.16556600[mg/l]	0.15768000[mg/l]	0.10947400[mg/l]	0.00276228[mg/l]	0.00018422[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	13660.6000000	13155.1000000	11880.0000000	2557.49000000	2636.77000000	5558.18000000	171.52600000
Int RSD	2.92907339	0.60059141	1.16957912	0.86768668	1.32854970	0.81332019	40.37352938
Int SD	400.12900000	79.00840000	138.94600000	22.19100000	35.03080000	45.20580000	69.25110000
RelInt Mean	0.26762900	0.00769788	0.00659508	0.00005334	0.00020731	0.00154291	0.00236585
RelInt RSD	2.32084714	0.71747546	1.38526447	35.20636676	13.10829193	2.73290082	61.73679650
RelInt SD	0.00621126	0.00005523	0.00009136	0.00001878	0.00002717	0.00004217	0.00146060
Conc Mean	5.93552000[mg/l]	0.07314430[mg/l]	0.25749100[mg/l]	0.00470148[mg/l]	0.01371620[mg/l]	0.03473750[mg/l]	<-0.00100116[mg/l]
Conc RSD	2.50006739	0.72638059	1.36010967	19.65946893	16.46432685	2.87391148	164.58807783
Conc SD	0.14839200[mg/l]	0.00053131[mg/l]	0.00350216[mg/l]	0.00092429[mg/l]	0.00225828[mg/l]	0.00099832[mg/l]	0.00164779[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	729154	2393.48000000	4927.27000000	1344040	34514800	50056.8000000	1762640
Int RSD	5.70732657	0.53552150	4.88881267	0.30542320	0.57005401	1.24531932	0.08289725
Int SD	41615.2000000	12.81760000	240.88500000	4105.01000000	196753	623.36700000	1461.18000000
RelInt Mean	0.02056330	-0.00048236	0.00004512	---	---	---	1.31382000
RelInt RSD	5.87104210	3.10525978	9.31108540	---	---	---	0.22865461
RelInt SD	0.00120728	0.00001498	0.00000420	---	---	---	0.00300411
Conc Mean	0.24189800[mg/l]	<-0.03891410[mg/l]	0.01063780[mg/l]	1339730	34476800	50182.7000000	7.71402000[mg/l]
Conc RSD	5.86416589	3.04319000	9.44264792	---	---	---	0.22852417
Conc SD	0.01418530[mg/l]	0.00118423[mg/l]	0.00100449[mg/l]	4135.00000000	196154	620.11200000	0.01762840[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	46.36200000	40.32770000	399121	-47.51240000	2957.91000000	2898.92000000	
Int RSD	36.15655062	92.67178639	1.06893649	14.44488176	1.14752984	0.80544824	
Int SD	16.76290000	37.37240000	4266.35000000	6.86311000	33.94290000	23.34930000	
RelInt Mean	0.00029415	-0.00142400	0.29541400	-0.00004023	-0.00001993	0.00213514	
RelInt RSD	435.99480534	77.28721910	0.77112798	9.12283100	163.18541265	0.67439137	
RelInt SD	0.00128247	0.00110057	0.00227802	0.00000367	0.00003252	0.00001440	
Conc Mean	<0.00716895[mg/l]	<-0.00271444[mg/l]	5.07811000[mg/l]	4.22189000[mg/l]	<-0.00011371[mg/l]	2.47692000[mg/l]	
Conc RSD	90.01122898	100.32345530	0.77229324	57.50173500	120.53629536	0.65573777	
Conc SD	0.00645286[mg/l]	0.00272322[mg/l]	0.03921790[mg/l]	2.42766000[mg/l]	0.00013706[mg/l]	0.01624210[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-006	Client ID: ARCH-C6W-DG-1.5 TO 2-230619-L-FB
Seqnum: 483248202056	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 12:00
Cal: 483248202001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.1726	17	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1332400	1385390	3.98

U=USE

Sample Name: 487140-006,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 12:00:11

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	18227.7000000	178.28900000	2686.38000000	5373.64000000	8639.77000000	1877.99000000	7078.35000000
Int RSD	0.99754220	70.69028375	1.63710272	1.83764264	1.53019120	6.68091949	1.37032077
Int SD	181.82900000	126.03300000	43.97880000	98.74830000	132.20500000	125.46700000	96.99610000
RelInt Mean	0.00003231	0.00178060	-0.00014415	0.00187292	0.00405202	0.03617470	0.00312339
RelInt RSD	10.13854668	137.08075929	15.98648611	3.30342994	1.65235117	8.46016691	1.46334271
RelInt SD	0.00000328	0.00244086	0.00002304	0.00006187	0.00006695	0.00306044	0.00004571
Conc Mean	<-0.00083464[mg/l]	<0.00394033[mg/l]	<-0.01201840[mg/l]	0.02164060[mg/l]	0.01270470[mg/l]	4.27570000[mg/l]	0.01810450[mg/l]
Conc RSD	19.84462837	9251.05257681	13.10798442	3.86974021	1.68913079	8.12942910	1.76500870
Conc SD	0.00016563[mg/l]	0.36452200[mg/l]	0.00157537[mg/l]	0.00083743[mg/l]	0.00021460[mg/l]	0.34759000[mg/l]	0.00031955[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	11894.8000000	277279	26617700	-192.16200000	86.01540000	1063360	3007.52000000
Int RSD	1.22836870	2.77633719	0.58979551	27.50538608	87.18578301	0.34655808	1.56048505
Int SD	146.11200000	7698.20000000	156990	52.85490000	74.99320000	3685.16000000	46.93190000
RelInt Mean	0.00664330	0.00751513	19.27160000	-0.00290505	0.00075101	0.76734100	0.00010845
RelInt RSD	0.99034365	2.40639882	0.36194763	37.93187725	157.70467573	0.19398937	25.97827590
RelInt SD	0.00006579	0.00018084	0.06975310	0.00110194	0.00118437	0.00148856	0.00002817
Conc Mean	0.05738940[mg/l]	0.25878800[mg/l]	76.96180000[mg/l]	<-0.45969900[mg/l]	<0.40258700[mg/l]	0.64936100[mg/l]	0.00081698[mg/l]
Conc RSD	0.99106281	2.45612239	0.36182496	47.57482614	103.77260070	0.19408619	26.15324544
Conc SD	0.00056876[mg/l]	0.00635615[mg/l]	0.27846700[mg/l]	0.21870100[mg/l]	0.41777500[mg/l]	0.00126032[mg/l]	0.00021367[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	13124.1000000	15287.9000000	9231.19000000	2594.13000000	2724.94000000	6368.10000000	149.49400000
Int RSD	1.69010446	1.75828596	0.97870480	1.92361986	2.16110079	1.28820056	31.11629898
Int SD	221.81100000	268.80500000	90.34610000	49.90120000	58.88870000	82.03390000	46.51700000
RelInt Mean	0.25135800	0.00892021	0.00437603	0.00007297	0.00021282	0.00206229	0.00077742
RelInt RSD	1.21797993	1.64750606	0.59152017	26.83196551	8.54172540	1.91430400	182.49500916
RelInt SD	0.00306149	0.00014696	0.00002589	0.00001958	0.00001818	0.00003948	0.00141876
Conc Mean	5.54676000[mg/l]	0.08490290[mg/l]	0.17260200[mg/l]	0.00567611[mg/l]	0.01417410[mg/l]	0.04703490[mg/l]	<-0.00279315[mg/l]
Conc RSD	1.31860942	1.66511391	0.57253972	17.00532583	10.65817230	1.98723501	57.30376099
Conc SD	0.07314010[mg/l]	0.00141373[mg/l]	0.00098821[mg/l]	0.00096524[mg/l]	0.00151070[mg/l]	0.00093469[mg/l]	0.00160058[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	1341110	2494.54000000	4994.92000000	1385390	34704100	51120.7000000	409011
Int RSD	6.15420062	0.66364139	2.40065907	0.46005601	0.75286782	0.86048509	1.54424209
Int SD	82534.6000000	16.55480000	119.91100000	6373.57000000	261276	439.88600000	6316.12000000
RelInt Mean	0.03807590	-0.00045539	0.00004506	---	---	---	0.29450700
RelInt RSD	6.85157803	3.12752530	1.72354766	---	---	---	1.11611609
RelInt SD	0.00260880	0.00001424	0.00000078	---	---	---	0.00328704
Conc Mean	0.44766400[mg/l]	<-0.03731990[mg/l]	0.01062310[mg/l]	1380900	34665300	51185.9000000	1.72841000[mg/l]
Conc RSD	6.84730065	2.93888783	1.74727716	---	---	---	1.11655799
Conc SD	0.03065290[mg/l]	0.00109679[mg/l]	0.00018562[mg/l]	6369.57000000	261136	457.03900000	0.01929870[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-51.71750000	163.01600000	380007	-43.82130000	3085.48000000	2995.35000000	
Int RSD	258.36902402	55.56773568	0.89143884	13.30156796	2.06600594	2.49382877	
Int SD	133.62200000	90.58430000	3387.53000000	5.82892000	63.74620000	74.69890000	
RelInt Mean	-0.00103584	0.00069224	0.27274500	-0.00003469	-0.00000848	0.00213413	
RelInt RSD	236.15326691	282.45387465	0.53910429	6.31091076	363.60207449	2.04053642	
RelInt SD	0.00244617	0.00195527	0.00147038	0.00000219	0.00003085	0.00004355	
Conc Mean	<0.00047703[mg/l]	<0.00252195[mg/l]	4.68783000[mg/l]	7.88459000[mg/l]	<-0.00006610[mg/l]	2.47579000[mg/l]	
Conc RSD	2580.15219169	191.83885485	0.53987239	18.36747377	178.44402151	1.98388393	
Conc SD	0.01230810[mg/l]	0.00483808[mg/l]	0.02530830[mg/l]	1.44820000[mg/l]	0.00011795[mg/l]	0.04911680[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-009	Client ID: ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-L-LA
Seqnum: 483248202057	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 12:03
Cal: 483248202001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.01 ft2 ⇒ 100.0 ml = 99.01 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2498	25	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1332400	1396090	4.78

U=USE

Sample Name: 487140-009,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 12:03:27

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	18557.7000000	212.23700000	2937.94000000	5162.58000000	7985.97000000	1027.68000000	6948.75000000
Int RSD	2.32331054	23.61671151	0.20075529	1.65415935	0.52437713	10.59609995	1.17387732
Int SD	431.15300000	50.12340000	5.89807000	85.39730000	41.87660000	108.89400000	81.56980000
RelInt Mean	0.00002627	0.00333905	0.00029836	0.00156132	0.00351160	0.02129170	0.00298126
RelInt RSD	21.68113096	9.08479957	7.64652454	4.27082853	0.60079166	9.74886928	0.78268584
RelInt SD	0.00000570	0.00030335	0.00002281	0.00006668	0.00002110	0.00207570	0.00002333
Conc Mean	<0.00113983[mg/l]	<0.23668300[mg/l]	0.01824670[mg/l]	0.01742280[mg/l]	0.01097090[mg/l]	2.58538000[mg/l]	0.01724310[mg/l]
Conc RSD	25.26999640	19.14011568	8.54691533	5.18045320	0.61740514	9.11827275	0.89140004
Conc SD	0.00028803[mg/l]	0.04530140[mg/l]	0.00155953[mg/l]	0.00090258[mg/l]	0.00006773[mg/l]	0.23574200[mg/l]	0.00015371[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	9408.43000000	461607	34347500	-146.20300000	-36.67730000	1100120	2906.23000000
Int RSD	0.54372515	3.14726596	0.67157435	43.79821207	109.68037451	0.88128568	0.54471945
Int SD	51.15600000	14528.0000000	230669	64.03430000	40.22780000	9695.20000000	15.83080000
RelInt Mean	0.00466056	0.01271670	24.67910000	-0.00137645	-0.00053638	0.78771700	0.00004357
RelInt RSD	0.31514882	3.10289619	0.25376655	140.13440372	190.60225510	0.57202904	12.00533839
RelInt SD	0.00001469	0.00039459	0.06262730	0.00192888	0.00102236	0.00450597	0.00000523
Conc Mean	0.04024750[mg/l]	0.44161500[mg/l]	98.55700000[mg/l]	<-0.15631900[mg/l]	<-0.05152800[mg/l]	0.66661100[mg/l]	<0.00032493[mg/l]
Conc RSD	0.31555500	3.14056361	0.25372728	244.89921251	699.87191430	0.57218828	12.20868789
Conc SD	0.00012700[mg/l]	0.01386920[mg/l]	0.25006600[mg/l]	0.38282400[mg/l]	0.36063000[mg/l]	0.00381427[mg/l]	0.00003967[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	11773.8000000	20880.3000000	12121.6000000	2844.59000000	2513.66000000	7153.55000000	126.08800000
Int RSD	4.01762388	0.42901922	0.43856257	2.16271941	1.49418776	1.02207575	78.32315526
Int SD	473.02700000	89.58050000	53.16080000	61.52050000	37.55880000	73.11470000	98.75610000
RelInt Mean	0.22785300	0.01283370	0.00641445	0.00030649	0.00015503	0.00298771	-0.00006818
RelInt RSD	2.74294830	1.09411939	0.97052748	9.84965301	13.34412715	0.83742063	1721.83332527
RelInt SD	0.00624989	0.00014042	0.00006225	0.00003019	0.00002069	0.00002502	0.00117402
Conc Mean	4.98523000[mg/l]	0.12255000[mg/l]	0.24977200[mg/l]	0.01727640[mg/l]	0.00937140[mg/l]	0.06894630[mg/l]	<-0.00374713[mg/l]
Conc RSD	2.99520784	1.10217054	0.95690870	8.60694358	18.34400410	0.85919186	35.34651854
Conc SD	0.14931800[mg/l]	0.00135071[mg/l]	0.00239009[mg/l]	0.00148697[mg/l]	0.00171909[mg/l]	0.00059238[mg/l]	0.00132448[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	1322810	2264.74000000	5222.79000000	1396090	34946200	50639.5000000	320825
Int RSD	4.66357224	1.48234234	2.53590514	0.45896826	0.26424533	1.17242271	0.92505260
Int SD	61690.2000000	33.57120000	132.44500000	6407.61000000	92343.7000000	593.70900000	2967.80000000
RelInt Mean	0.03726610	-0.00039276	0.00004258	---	---	---	0.22892600
RelInt RSD	4.47841336	3.08411667	6.49384287	---	---	---	0.53400662
RelInt SD	0.00166893	0.00001211	0.00000277	---	---	---	0.00122248
Conc Mean	0.43814900[mg/l]	<-0.03238070[mg/l]	0.01003190[mg/l]	1391510	34907000	50730.5000000	1.34333000[mg/l]
Conc RSD	4.47541818	3.02474931	6.59073555	---	---	---	0.53423135
Conc SD	0.01960900[mg/l]	0.00097943[mg/l]	0.00066118[mg/l]	6355.26000000	92359.8000000	616.03800000	0.00717649[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	1.99030000	99.52100000	473107	-49.04530000	3119.94000000	2825.49000000	
Int RSD	2571.30080892	30.42202148	0.13202320	19.31316558	1.38351379	1.32578066	
Int SD	51.17660000	30.27630000	624.61100000	9.47220000	43.16480000	37.45980000	
RelInt Mean	-0.00080382	-0.00053085	0.33737900	-0.00003856	-0.00009833	0.00200933	
RelInt RSD	108.56606492	117.27757370	0.57331369	32.82020295	21.19704882	1.23143038	
RelInt SD	0.00087268	0.00062257	0.00193424	0.00001266	0.00002084	0.00002474	
Conc Mean	<0.00164442[mg/l]	<-0.00050446[mg/l]	5.80060000[mg/l]	---	<-0.00053623[mg/l]	2.33504000[mg/l]	
Conc RSD	267.02302332	305.37252010	0.57407337	157.13497309	14.95816153	1.19528573	
Conc SD	0.00439098[mg/l]	0.00154047[mg/l]	0.03329970[mg/l]	8.37091000[mg/l]	0.00008021[mg/l]	0.02791040[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-012	Client ID: ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-L-LA
Seqnum: 483248202058	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 12:06
Cal: 483248202001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2304	23	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1332400	1399450	5.03

U=USE

Sample Name: 487140-012,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 12:06:42

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	18228.3000000	153.13800000	2619.88000000	4788.38000000	7534.76000000	1621.61000000	5416.19000000
Int RSD	1.88665975	26.37914822	1.53509703	0.76129296	1.09716302	8.95437251	1.06243873
Int SD	343.90600000	40.39650000	40.21770000	36.45360000	82.66860000	145.20500000	57.54370000
RelInt Mean	0.00003906	0.00123025	0.00009235	0.00156654	0.00333408	0.03154640	0.00201412
RelInt RSD	5.00509444	60.87941475	30.06694128	2.33056928	0.28597694	5.28139502	1.59267571
RelInt SD	0.00000196	0.00074897	0.00002777	0.00003651	0.00000953	0.00166609	0.00003208
Conc Mean	<0.00049304[mg/l]	<0.07824880[mg/l]	<0.00415662[mg/l]	0.01749350[mg/l]	0.01040220[mg/l]	3.75005000[mg/l]	0.01150580[mg/l]
Conc RSD	20.05204467	142.94404515	45.65319899	2.82488924	0.29546346	5.04587939	1.72703332
Conc SD	0.00009886[mg/l]	0.11185200[mg/l]	0.00189763[mg/l]	0.00049417[mg/l]	0.00003073[mg/l]	0.18922300[mg/l]	0.00019871[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	10365.5000000	821444	23754600	-161.02200000	89.19780000	754650	2589.43000000
Int RSD	1.30880324	2.87931983	0.49146692	21.89601421	15.53872405	1.26168422	1.28020839
Int SD	135.66400000	23652.0000000	116746	35.25740000	13.86020000	9521.30000000	33.15010000
RelInt Mean	0.00558132	0.02275460	17.02250000	-0.00183053	0.00173109	0.53836600	-0.00000640
RelInt RSD	1.28671354	2.57091313	0.43047496	38.36102113	40.86165364	0.59233867	314.99338042
RelInt SD	0.00007182	0.00058500	0.07327760	0.00070221	0.00070735	0.00318895	0.00002015
Conc Mean	0.04820800[mg/l]	0.79443500[mg/l]	67.98000000[mg/l]	<0.24643900[mg/l]	<0.74830400[mg/l]	0.45551800[mg/l]	<0.00005402[mg/l]
Conc RSD	1.28794184	2.58826713	0.43053104	56.55192563	33.34380145	0.59267910	282.89858506
Conc SD	0.00062089[mg/l]	0.02056210[mg/l]	0.29267500[mg/l]	0.13936600[mg/l]	0.24951300[mg/l]	0.00269976[mg/l]	0.00015283[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	12700.0000000	15496.1000000	11215.2000000	2465.10000000	2409.12000000	7492.74000000	240.77200000
Int RSD	1.44428346	0.78464259	0.88805995	2.08606953	1.79824583	1.04859637	24.39610918
Int SD	183.42400000	121.58900000	99.59770000	51.42370000	43.32190000	78.56860000	58.73900000
RelInt Mean	0.23776800	0.00910530	0.00587770	0.00013869	0.00016416	0.00323672	0.00146100
RelInt RSD	0.61199152	0.35672081	0.45285911	20.55835148	11.21460770	0.62459527	58.68439425
RelInt SD	0.00145512	0.00003248	0.00002662	0.00002851	0.00001841	0.00002022	0.00085738
Conc Mean	5.22209000[mg/l]	0.08668340[mg/l]	0.23039400[mg/l]	0.00896637[mg/l]	0.01013040[mg/l]	0.07484200[mg/l]	<0.00202197[mg/l]
Conc RSD	0.66577367	0.36040234	0.44127885	15.62148339	15.10177288	0.63950990	47.83740609
Conc SD	0.03476730[mg/l]	0.00031241[mg/l]	0.00101668[mg/l]	0.00140068[mg/l]	0.00152987[mg/l]	0.00047862[mg/l]	0.00096726[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	923067	2190.92000000	4397.90000000	1399450	35330400	52362.0000000	362020
Int RSD	0.75524962	0.57018969	3.27717774	0.76361428	0.72337704	1.08493182	0.98074140
Int SD	6971.46000000	12.49240000	144.12700000	10686.4000000	255572	568.09200000	3550.48000000
RelInt Mean	0.02556910	-0.00038852	0.00002792	---	---	---	0.25794700
RelInt RSD	1.07656898	3.44797321	5.42323702	---	---	---	0.35240767
RelInt SD	0.00027527	0.00001340	0.00000151	---	---	---	0.00090902
Conc Mean	0.30071400[mg/l]	<0.03169940[mg/l]	0.00652484[mg/l]	1395180	35291800	52424.3000000	1.51374000[mg/l]
Conc RSD	1.07564330	3.34230301	5.54833528	---	---	---	0.35264312
Conc SD	0.00323461[mg/l]	0.00105949[mg/l]	0.00036202[mg/l]	10669.0000000	255066	565.13700000	0.00533810[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	25.96380000	105.49300000	307546	-29.32100000	2942.60000000	3345.47000000	
Int RSD	301.05261942	30.91323595	1.26764777	15.87561816	1.93017060	0.98270497	
Int SD	78.16470000	32.61130000	3898.60000000	4.65489000	56.79720000	32.87610000	
RelInt Mean	-0.00066003	-0.00069103	0.21824200	-0.00003124	0.00002203	0.00237352	
RelInt RSD	256.09441995	131.96349213	1.37679732	5.64082699	149.33829104	0.64079932	
RelInt SD	0.00169030	0.00091191	0.00300475	0.00000176	0.00003289	0.00001521	
Conc Mean	<0.00236793[mg/l]	<0.00090079[mg/l]	3.74950000[mg/l]	10.17180000[mg/l]	<0.00000269[mg/l]	2.74578000[mg/l]	
Conc RSD	359.17109036	250.48984726	1.37952527	11.45726420	4638.28333575	0.62474051	
Conc SD	0.00850492[mg/l]	0.00225639[mg/l]	0.05172530[mg/l]	1.16541000[mg/l]	0.00012491[mg/l]	0.01715400[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-014	Client ID: ARCH-C7W-DG-2 TO 2.5-230619-L-FB
Seqnum: 483248202059	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 12:09
Cal: 483248202001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.1468	15	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1332400	1390180	4.34

U=USE

Sample Name: 487140-014,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 12:09:57

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	19001.3000000	180.78600000	3226.01000000	5471.24000000	8427.69000000	2044.69000000	7193.75000000
Int RSD	1.64160347	5.63705154	0.37233921	0.17707065	0.84403437	3.47588632	0.55112702
Int SD	311.92600000	10.19100000	12.01170000	9.68796000	71.13260000	71.07110000	39.64670000
RelInt Mean	0.00002091	0.00188036	0.00042576	0.00156493	0.00374571	0.04033320	0.00308479
RelInt RSD	22.76083099	35.45629560	2.78891480	0.98708568	0.98969755	4.20675771	1.06832232
RelInt SD	0.00000476	0.00066671	0.00001187	0.00001545	0.00003707	0.00169672	0.00003296
Conc Mean	<0.00141119[mg/l]	<0.01883970[mg/l]	0.02694780[mg/l]	0.01747160[mg/l]	0.01172150[mg/l]	4.74800000[mg/l]	0.01816210[mg/l]
Conc RSD	17.05043261	528.49408430	3.01199356	1.19659905	1.01177324	4.05852991	1.16108820
Conc SD	0.00024061[mg/l]	0.09956670[mg/l]	0.00081167[mg/l]	0.00020907[mg/l]	0.00011860[mg/l]	0.19269900[mg/l]	0.00021088[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	11081.2000000	745095	47260200	-219.49100000	62.09710000	903362	3119.48000000
Int RSD	0.95568170	3.21618049	0.93466596	18.07613980	25.90732901	0.88589735	0.87056817
Int SD	105.90100000	23963.6000000	441725	39.67550000	16.08770000	8002.86000000	27.15720000
RelInt Mean	0.00565019	0.02097400	34.10790000	-0.00304448	0.00092550	0.64885100	0.00090901
RelInt RSD	0.96983110	2.84115572	0.52310462	13.15603978	59.02736134	0.64851869	27.38525172
RelInt SD	0.00005480	0.00059590	0.17842000	0.00040053	0.00054630	0.00420792	0.00002489
Conc Mean	0.04880340[mg/l]	0.73184900[mg/l]	>136.21200000[mg/l]	<-0.48737100[mg/l]	<0.46414100[mg/l]	0.54905100[mg/l]	0.00068391[mg/l]
Conc RSD	0.97076433	2.86198382	0.52291355	16.31077762	41.51841789	0.64885594	27.60545216
Conc SD	0.00047377[mg/l]	0.02094540[mg/l]	0.71227100[mg/l]	0.07949400[mg/l]	0.19270400[mg/l]	0.00356255[mg/l]	0.00018880[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	12608.4000000	43765.3000000	8458.54000000	2911.85000000	2687.21000000	9980.59000000	165.08100000
Int RSD	1.20685416	0.85245845	0.84512694	0.49111046	0.93878037	0.38921747	60.69141815
Int SD	152.16500000	373.08100000	71.48540000	14.30040000	25.22700000	38.84620000	100.19000000
RelInt Mean	0.24611700	0.02929100	0.00375832	0.00028312	0.00013198	0.00492173	0.00181148
RelInt RSD	0.62323610	0.82271346	1.17926095	5.29690171	30.93741476	0.67737361	55.56064654
RelInt SD	0.00153389	0.00024098	0.00004432	0.00001500	0.00004083	0.00003334	0.00100647
Conc Mean	5.42156000[mg/l]	0.28086600[mg/l]	0.14676000[mg/l]	0.01607550[mg/l]	0.00745621[mg/l]	0.11473900[mg/l]	<-0.00162658[mg/l]
Conc RSD	0.67601760	0.82545413	1.13917961	4.60462194	45.50770432	0.68807816	69.80658806
Conc SD	0.03665070[mg/l]	0.00231842[mg/l]	0.00167186[mg/l]	0.00074022[mg/l]	0.00339315[mg/l]	0.00078949[mg/l]	0.00113546[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	831369	2350.70000000	4993.74000000	1390180	34654500	50146.9000000	255432
Int RSD	1.72954488	0.50586208	2.33466300	0.91058712	0.43538069	0.45620766	1.36514611
Int SD	14378.9000000	11.89130000	116.58700000	12658.8000000	150879	228.77400000	3487.02000000
RelInt Mean	0.02340820	-0.00042039	0.00003087	---	---	---	0.18269500
RelInt RSD	1.66580087	3.22042970	6.28986906	---	---	---	0.61957361
RelInt SD	0.00038993	0.00001354	0.00000194	---	---	---	0.00113193
Conc Mean	0.27532500[mg/l]	<-0.03413760[mg/l]	0.00723081[mg/l]	1385410	34614400	50203.8000000	1.07184000[mg/l]
Conc RSD	1.66402615	3.09579467	6.42069146	---	---	---	0.62040510
Conc SD	0.00458148[mg/l]	0.00105683[mg/l]	0.00046427[mg/l]	12636.5000000	150581	234.61000000	0.00664975[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-7.03240000	100.48800000	367971	-37.93710000	3267.39000000	3279.14000000	
Int RSD	1268.04789261	72.86402357	1.75172772	30.07689043	1.00017751	0.79929494	
Int SD	89.17420000	73.21960000	6445.85000000	11.41030000	32.67970000	26.21000000	
RelInt Mean	-0.00170669	-0.00067289	0.26277200	-0.00003502	-0.00020406	0.00233746	
RelInt RSD	81.23736590	238.01364265	1.06800953	33.51607561	4.78902567	0.25494383	
RelInt SD	0.00138647	0.00160157	0.00280643	0.00001174	0.00000977	0.00000596	
Conc Mean	<-0.00289843[mg/l]	<-0.00085591[mg/l]	4.51613000[mg/l]	>7.66779000[mg/l]	<-0.00099152[mg/l]	2.70511000[mg/l]	
Conc RSD	240.68754464	462.99978736	1.06982306	101.25394670	4.20339581	0.24842613	
Conc SD	0.00697616[mg/l]	0.00396288[mg/l]	0.04831460[mg/l]	7.76394000[mg/l]	0.00004168[mg/l]	0.00672020[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-015	Client ID: ARCH-C7W-DG-2 TO 2.5-230619-L-DUP-FB
Seqnum: 483248202060	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 12:13
Cal: 483248202001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.1012	10	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1332400	1390510	4.36

U=USE

Sample Name: 487140-015,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 12:13:12

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	19041.3000000	214.96700000	3209.98000000	5298.31000000	8722.31000000	1944.94000000	6895.69000000
Int RSD	0.11996082	33.37279675	0.50614334	1.88131876	1.09739278	7.70249982	1.17500787
Int SD	22.84210000	71.74050000	16.24710000	99.67810000	95.71800000	149.80900000	81.02490000
RelInt Mean	0.00001965	0.00304791	0.00038529	0.00150852	0.00399316	0.03832880	0.00290692
RelInt RSD	23.77225974	26.58887566	7.20664649	3.03914433	0.11402048	10.74941037	0.36378710
RelInt SD	0.00000467	0.00081041	0.00002777	0.00004585	0.00000455	0.00412012	0.00001058
Conc Mean	<0.00147474[mg/l]	<0.19320400[mg/l]	0.02418380[mg/l]	0.01670810[mg/l]	0.01251660[mg/l]	4.52035000[mg/l]	0.01701520[mg/l]
Conc RSD	16.01617912	62.64207780	7.85075133	3.71388728	0.12348801	10.35172055	0.43314272
Conc SD	0.00023620[mg/l]	0.12102700[mg/l]	0.00189861[mg/l]	0.00062052[mg/l]	0.00001546[mg/l]	0.46793400[mg/l]	0.00007370[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	10501.4000000	650049	44053500	-230.76600000	-15.20090000	874056	3047.28000000
Int RSD	1.67785248	3.03158685	0.63790164	25.68094953	209.30931721	1.10758693	0.90949962
Int SD	176.19800000	19706.8000000	281018	59.26290000	31.81690000	9680.93000000	27.71500000
RelInt Mean	0.00531122	0.01816020	31.78490000	-0.00232144	-0.00081940	0.62759000	0.00007774
RelInt RSD	1.31148776	2.99629960	0.44263156	51.75796058	35.75049670	0.18788062	41.04789395
RelInt SD	0.00006966	0.00054413	0.14069000	0.00120153	0.00029294	0.00117912	0.00003191
Conc Mean	0.04587280[mg/l]	0.63294800[mg/l]	>126.93500000[mg/l]	<-0.34386900[mg/l]	<-0.15136200[mg/l]	0.53105200[mg/l]	<0.00058409[mg/l]
Conc RSD	1.31279756	3.02190701	0.44259818	69.34821109	68.26878609	0.18795429	41.43458081
Conc SD	0.00060222[mg/l]	0.01912710[mg/l]	0.56181200[mg/l]	0.23846700[mg/l]	0.10333300[mg/l]	0.00099814[mg/l]	0.00024201[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	13229.9000000	41434.4000000	6775.42000000	2862.26000000	2661.95000000	10039.2000000	250.80000000
Int RSD	0.59474977	1.27591808	2.36344020	0.97260556	2.38974436	0.80073811	10.48556619
Int SD	78.68480000	528.66900000	160.13300000	27.83850000	63.61380000	80.38770000	26.29780000
RelInt Mean	0.25320900	0.02764490	0.00255770	0.00026798	0.00013146	0.00493867	0.00273132
RelInt RSD	0.36684123	0.35852978	2.58224577	3.73819883	19.59925755	0.23451456	44.85413646
RelInt SD	0.00092888	0.00009912	0.00006605	0.00001002	0.00002576	0.00001158	0.00122511
Conc Mean	5.59101000[mg/l]	0.26503000[mg/l]	0.10116100[mg/l]	0.01534700[mg/l]	0.00741266[mg/l]	0.11514000[mg/l]	<-0.00058886[mg/l]
Conc RSD	0.39693723	0.35979399	2.51352794	3.21467388	28.88315396	0.23842105	234.71023574
Conc SD	0.02219280[mg/l]	0.00095356[mg/l]	0.00254271[mg/l]	0.00049336[mg/l]	0.00214101[mg/l]	0.00027452[mg/l]	0.00138211[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	918607	2365.68000000	5086.58000000	1390510	34809300	51296.8000000	213490
Int RSD	1.74917021	1.39922982	1.87559421	0.92658809	0.36527020	0.88622682	1.19022905
Int SD	16068.0000000	33.10130000	95.40360000	12884.3000000	127148	454.60600000	2541.02000000
RelInt Mean	0.02580430	-0.00043598	0.00003275	---	---	---	0.15238600
RelInt RSD	1.61949753	2.94654776	5.32832740	---	---	---	0.48525389
RelInt SD	0.00041790	0.00001285	0.00000174	---	---	---	0.00073946
Conc Mean	0.30347900[mg/l]	<-0.03543160[mg/l]	0.00767986[mg/l]	1385800	34769500	51349.1000000	0.89386400[mg/l]
Conc RSD	1.61796039	2.80934251	5.43306779	---	---	---	0.48558953
Conc SD	0.00491017[mg/l]	0.00099540[mg/l]	0.00041725[mg/l]	12823.3000000	126951	420.86700000	0.00434051[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	1.02353000	127.40200000	406936	-35.85930000	3818.42000000	3047.84000000	
Int RSD	4070.98961437	57.59454326	0.41314359	30.56417721	1.16596131	0.52430574	
Int SD	41.66780000	73.37660000	1681.23000000	10.96010000	44.52130000	15.98000000	
RelInt Mean	-0.00127637	-0.00014340	0.29094400	-0.00003249	0.00027822	0.00217113	
RelInt RSD	94.01662527	317.40913275	0.66290420	21.42078941	7.97542969	0.75377338	
RelInt SD	0.00120000	0.00045515	0.00192868	0.00000696	0.00002219	0.00001637	
Conc Mean	<-0.00073326[mg/l]	<0.00045426[mg/l]	5.00115000[mg/l]	>9.34090000[mg/l]	0.00095100[mg/l]	2.51752000[mg/l]	
Conc RSD	823.43779833	247.92682524	0.66413125	49.28529371	8.78598828	0.73321364	
Conc SD	0.00603794[mg/l]	0.00112622[mg/l]	0.03321420[mg/l]	4.60369000[mg/l]	0.00008356[mg/l]	0.01845880[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-017	Client ID: ARCH-C6W-PS-2.5-230619-L-G
Seqnum: 483248202061	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 12:16
Cal: 483248202001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.08 ft2 ⇒ 100.0 ml = 92.35 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.4610	43	0.46		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1332400	1406050	5.53

U=USE

Sample Name: 487140-017,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 12:16:27

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	18758.8000000	167.29700000	2820.25000000	4846.21000000	8024.69000000	1761.92000000	6678.51000000
Int RSD	1.61584963	25.35676073	1.61952664	2.17609225	0.62558304	7.05837950	0.27795871
Int SD	303.11400000	42.42110000	45.67470000	105.45800000	50.20110000	124.36300000	18.56350000
RelInt Mean	0.00003088	0.00111568	0.00013190	0.00137797	0.00354043	0.03363010	0.00277082
RelInt RSD	5.09696116	42.96079521	38.57151522	8.32253242	0.87624102	9.50945730	1.04262637
RelInt SD	0.00000157	0.00047930	0.00005088	0.00011468	0.00003102	0.00319804	0.00002889
Conc Mean	<0.00090662[mg/l]	<0.09535890[mg/l]	0.00687092[mg/l]	0.01494100[mg/l]	0.01106520[mg/l]	3.98670000[mg/l]	0.01616380[mg/l]
Conc RSD	8.77982654	75.06430968	50.62611703	10.38979988	0.90005061	9.11054255	1.16181220
Conc SD	0.00007960[mg/l]	0.07158050[mg/l]	0.00347848[mg/l]	0.00155234[mg/l]	0.00009959[mg/l]	0.36321000[mg/l]	0.00018779[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	8754.79000000	318899	33447000	-217.87900000	67.28220000	1113560	2813.04000000
Int RSD	5.26111991	3.13461315	0.69774270	56.52678780	112.56067727	0.59583767	0.36637943
Int SD	460.60000000	9996.25000000	233374	123.16000000	75.73330000	6635.01000000	10.30640000
RelInt Mean	0.00420053	0.00860773	23.86060000	-0.00332910	0.00102054	0.79170000	-0.00001911
RelInt RSD	7.43199072	2.65413762	0.37111766	74.79198582	161.94661650	0.32135279	98.07851305
RelInt SD	0.00031218	0.00022846	0.08855090	0.00248990	0.00165273	0.00254415	0.00001874
Conc Mean	0.03627020[mg/l]	0.29719100[mg/l]	95.28830000[mg/l]	<-0.54386000[mg/l]	<0.49766400[mg/l]	0.66998300[mg/l]	<-0.00015043[mg/l]
Conc RSD	7.44134303	2.70199972	0.37108228	90.86327364	117.14490098	0.32146786	94.48994243
Conc SD	0.00269899[mg/l]	0.00803010[mg/l]	0.35359800[mg/l]	0.49416900[mg/l]	0.58298800[mg/l]	0.00215378[mg/l]	0.00014215[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	11737.3000000	11193.3000000	19891.8000000	2829.41000000	2582.03000000	5729.80000000	246.58500000
Int RSD	1.80726402	0.33836491	1.20257594	0.90492364	1.47971170	1.23107787	32.32706775
Int SD	212.12400000	37.87420000	239.21400000	25.60400000	38.20660000	70.53830000	79.71370000
RelInt Mean	0.22267500	0.00584821	0.01193280	0.00028784	0.00013478	0.00184019	0.00254823
RelInt RSD	1.70202313	0.98072060	1.34005430	2.59416126	27.98256418	3.67650080	70.06824345
RelInt SD	0.00378998	0.00005735	0.00015991	0.00000747	0.00003771	0.00006765	0.00178550
Conc Mean	4.86152000[mg/l]	0.05535090[mg/l]	0.46104100[mg/l]	0.01638100[mg/l]	0.00768885[mg/l]	0.04177620[mg/l]	<-0.00079542[mg/l]
Conc RSD	1.86273635	0.99681487	1.32789058	2.28240645	40.76253276	3.83443205	253.24107134
Conc SD	0.09055730[mg/l]	0.00055175[mg/l]	0.00612212[mg/l]	0.00037388[mg/l]	0.00313417[mg/l]	0.00160188[mg/l]	0.00201432[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	944049	2323.55000000	5832.51000000	1406050	35081000	51374.3000000	505823
Int RSD	3.99406175	0.33648512	3.02396395	0.37679883	0.62491377	0.88019885	0.48669792
Int SD	37705.9000000	7.81840000	176.37300000	5297.98000000	219226	452.19600000	2461.83000000
RelInt Mean	0.02633550	-0.00040781	0.00006037	---	---	---	0.35929000
RelInt RSD	4.00918912	5.48408454	1.33118232	---	---	---	0.37377049
RelInt SD	0.00105584	0.00002236	0.00000080	---	---	---	0.00134292
Conc Mean	0.30971900[mg/l]	<-0.0323550[mg/l]	0.01428550[mg/l]	1401510	35041500	51414.0000000	2.10885000[mg/l]
Conc RSD	4.00540490	5.29457959	1.34519618	---	---	---	0.37405221
Conc SD	0.01240550[mg/l]	0.00175968[mg/l]	0.00019217[mg/l]	5277.22000000	219513	443.97600000	0.00788820[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-25.49880000	160.34800000	378475	-37.52720000	3084.05000000	3246.29000000	
Int RSD	163.24650572	46.78586574	1.22992536	36.18308853	1.54484525	1.34999030	
Int SD	41.62590000	75.02020000	4654.96000000	13.57850000	47.64380000	43.82460000	
RelInt Mean	-0.00184951	0.00054569	0.26755600	-0.00003368	-0.00009823	0.00228881	
RelInt RSD	6.71583284	206.15949598	1.21706858	28.01653678	21.94502926	1.53656704	
RelInt SD	0.00012421	0.00112500	0.00325634	0.00000944	0.00002156	0.00003517	
Conc Mean	<-0.00361705[mg/l]	<-0.00215932[mg/l]	4.59851000[mg/l]	>8.55378000[mg/l]	<-0.00049441[mg/l]	2.65024000[mg/l]	
Conc RSD	17.27872161	128.91419521	1.21909053	72.97078017	18.34387445	1.49674369	
Conc SD	0.00062498[mg/l]	0.00278367[mg/l]	0.05606000[mg/l]	6.24176000[mg/l]	0.00009069[mg/l]	0.03966730[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-019	Client ID: ARCH-C7W-PS-2.5-230619-L-G
Seqnum: 483248202062	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 12:19
Cal: 483248202001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.08 ft2 ⇒ 100.0 ml = 92.35 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2344	22	0.46		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1332400	1402280	5.24

U=USE

Sample Name: 487140-019,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 12:19:42

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	18352.3000000	139.86600000	2684.87000000	4728.21000000	7503.74000000	1652.33000000	5277.89000000
Int RSD	2.14696795	4.95617949	0.44707565	1.00102364	1.17693710	9.55838120	1.09345591
Int SD	394.01800000	6.93201000	12.00340000	47.33050000	88.31430000	157.93600000	57.71140000
RelInt Mean	0.00003848	0.00215177	-0.00003344	0.00149967	0.00326564	0.03217160	0.00185891
RelInt RSD	8.86718902	48.11666674	122.17569843	0.22299906	0.78311755	12.16358527	0.39299105
RelInt SD	0.00000341	0.00103536	0.00004085	0.00000334	0.00002557	0.00391322	0.00000731
Conc Mean	<0.00052251[mg/l]	<0.05937330[mg/l]	<-0.00442781[mg/l]	0.01658830[mg/l]	0.01018310[mg/l]	3.82105000[mg/l]	0.01060840[mg/l]
Conc RSD	33.02124760	260.42514059	63.07429632	0.27291344	0.81067455	11.63138404	0.53865993
Conc SD	0.00017254[mg/l]	0.15462300[mg/l]	0.00279281[mg/l]	0.00004527[mg/l]	0.00008255[mg/l]	0.44444100[mg/l]	0.00005714[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	7787.15000000	316457	22448700	-101.16200000	35.86320000	796393	2650.28000000
Int RSD	1.28837893	3.22682071	0.83660524	48.22759534	214.68608490	1.11261400	0.84349201
Int SD	100.32800000	10211.50000000	187807	48.78800000	76.99330000	8860.78000000	22.35490000
RelInt Mean	0.00371721	0.00852701	16.05520000	-0.00127417	-0.00002165	0.56715200	-0.00003288
RelInt RSD	1.02833577	2.80995331	0.21705616	80.58814758	7192.19878141	0.31425438	53.63690556
RelInt SD	0.00003823	0.00023961	0.03484880	0.00102683	0.00155696	0.00178230	0.00001764
Conc Mean	0.03209170[mg/l]	0.29435400[mg/l]	64.11700000[mg/l]	<-0.13601900[mg/l]	<0.13004000[mg/l]	0.47988800[mg/l]	<-0.00025486[mg/l]
Conc RSD	1.02987065	2.86119095	0.21694246	149.82759762	422.33620424	0.31435668	52.47882162
Conc SD	0.00033050[mg/l]	0.00842203[mg/l]	0.13909700[mg/l]	0.20379400[mg/l]	0.54920600[mg/l]	0.00150856[mg/l]	0.00013375[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	12999.9000000	10281.2000000	11458.3000000	2582.63000000	2575.38000000	5765.78000000	189.08300000
Int RSD	1.70647467	1.02910166	0.96328426	2.43014679	1.24552105	0.43286771	22.68014576
Int SD	221.84000000	105.80400000	110.37600000	62.76170000	32.07690000	24.95820000	42.88430000
RelInt Mean	0.24733700	0.00531397	0.00597794	0.00013429	0.00021744	0.00174498	0.00192756
RelInt RSD	1.55839603	0.63440328	0.85734216	20.74846041	2.50791468	1.12585245	33.58147088
RelInt SD	0.00385449	0.00003371	0.00005125	0.00002786	0.00000545	0.00001965	0.00064730
Conc Mean	5.45072000[mg/l]	0.05021170[mg/l]	0.23436500[mg/l]	0.00884398[mg/l]	0.01455830[mg/l]	0.03952200[mg/l]	<-0.00149561[mg/l]
Conc RSD	1.68961165	0.64585744	0.83523990	15.49426842	3.11253374	1.17710895	48.82669947
Conc SD	0.09209600[mg/l]	0.00032430[mg/l]	0.00195751[mg/l]	0.00137031[mg/l]	0.00045313[mg/l]	0.00046522[mg/l]	0.00073026[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	812662	2362.03000000	4946.65000000	1402280	35180100	51284.5000000	358159
Int RSD	3.62853191	0.15951618	4.43490039	0.85416607	0.54307407	0.48708869	1.67415868
Int SD	29487.7000000	3.76782000	219.37900000	11977.8000000	191054	249.80100000	5996.15000000
RelInt Mean	0.02253870	-0.00042687	0.00004363	---	---	---	0.25460400
RelInt RSD	4.25679831	7.52582754	5.84054407	---	---	---	0.88147476
RelInt SD	0.00095943	0.00003213	0.00000255	---	---	---	0.00224427
Conc Mean	0.26510900[mg/l]	<-0.03461790[mg/l]	0.01028130[mg/l]	1397950	35141200	51325.6000000	1.49411000[mg/l]
Conc RSD	4.25221324	7.21124043	5.92621556	---	---	---	0.88205018
Conc SD	0.01127300[mg/l]	0.00249638[mg/l]	0.00060929[mg/l]	11900.2000000	190911	286.54500000	0.01317880[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	21.94710000	151.44300000	342468	-36.49880000	2934.97000000	3185.88000000	
Int RSD	272.22776586	40.19228357	0.67796991	11.19782020	1.98895730	2.49472987	
Int SD	59.74610000	60.86840000	2321.83000000	4.08707000	58.37530000	79.47910000	
RelInt Mean	0.00092707	0.00014426	0.24265400	-0.00003384	-0.00001606	0.00225088	
RelInt RSD	159.59830217	978.60851362	0.26848682	12.23698245	229.30918554	2.64528984	
RelInt SD	0.00147958	0.00141177	0.00065149	0.00000414	0.00003683	0.00005954	
Conc Mean	0.01035360[mg/l]	<0.00116603[mg/l]	4.16980000[mg/l]	8.44648000[mg/l]	<-0.00012408[mg/l]	2.60746000[mg/l]	
Conc RSD	71.90416860	299.58491634	0.26894096	32.43268202	123.24709865	2.57547192	
Conc SD	0.00744467[mg/l]	0.00349325[mg/l]	0.01121430[mg/l]	2.73942000[mg/l]	0.00015293[mg/l]	0.06715440[mg/l]	

ENTHALPY BLANK USER REPORT FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	Lab ID: QC1074451	
Seqnum: 483248202047.1	Matrix: Wipe	
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 11:28
Cal: 483248202001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 $\Rightarrow$ 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.002061	ND	0.50	U

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1332400	1399500	5.04

U=USE

Sample Name: BLANK,QC1074451,316526				Sample Type: Unknown Sample			
Measure Date: 2023-06-21 11:28:19			Recalculation Date:		State: Measured		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	17385.4000000	61.86720000	1139.90000000	7301.23000000	2874.83000000	-45.96980000	2538.10000000
Int RSD	2.96036905	59.86160680	1.71934380	4.98305080	1.60760115	298.08918029	2.05879595
Int SD	514.67200000	37.03470000	19.59880000	363.82400000	46.21580000	137.03100000	52.25430000
RelInt Mean	0.00004481	0.00106921	-0.00003965	0.00375011	0.00016444	-0.00053686	0.00007605
RelInt RSD	5.12195231	101.34211240	12.44417377	5.56618339	5.06776332	29.48617411	14.32677793
RelInt SD	0.00000230	0.00108356	0.00000493	0.00020874	0.00000833	0.00015830	0.00001090
Conc Mean	<0.00020246[mg/l]	<0.10229900[mg/l]	<-0.00482543[mg/l]	0.04705010[mg/l]	<0.00021839[mg/l]	0.10623000[mg/l]	<0.00004983[mg/l]
Conc RSD	57.32236173	158.18336445	6.99056872	6.00525822	12.18957481	16.92393862	134.90963462
Conc SD	0.00011606[mg/l]	0.16182000[mg/l]	0.00033732[mg/l]	0.00282548[mg/l]	0.00002662[mg/l]	0.01797830[mg/l]	0.00006722[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	2266.19000000	20817.7000000	7307.13000000	-159.14600000	60.49250000	3480.34000000	1945.86000000
Int RSD	1.67431239	1.93222594	13.62195554	60.10217033	41.15964789	1.86084693	0.56391004
Int SD	37.94310000	402.24500000	995.37400000	95.65020000	24.89850000	64.76380000	10.97290000
RelInt Mean	0.00011889	0.00017063	0.00332157	-0.00269832	0.00074933	0.00061311	0.00013620
RelInt RSD	1.64741012	4.08520190	23.19893906	79.56580391	180.94236562	1.19131120	10.40409973
RelInt SD	0.00000196	0.00000697	0.00077057	0.00214694	0.00135585	0.00000730	0.00001417
Conc Mean	0.00098224[mg/l]	0.00063928[mg/l]	0.01248230[mg/l]	<-0.41866800[mg/l]	<0.40199600[mg/l]	0.00027461[mg/l]	0.00102745[mg/l]
Conc RSD	1.72388938	38.32539994	24.65370965	101.77563129	118.97207932	2.25166511	10.45968174
Conc SD	0.00001693[mg/l]	0.00024501[mg/l]	0.00307735[mg/l]	0.42610200[mg/l]	0.47826300[mg/l]	0.00000618[mg/l]	0.00010747[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	11482.0000000	2890.87000000	2574.64000000	1789.68000000	1436.62000000	3076.06000000	142.73400000
Int RSD	0.94881554	1.86179939	1.09915173	2.07058245	1.04512676	2.05218364	43.83783822
Int SD	108.94300000	53.82220000	28.29920000	37.05680000	15.01450000	63.12640000	62.57150000
RelInt Mean	0.22199900	0.00023251	-0.00026432	0.00001341	0.00009310	0.00139465	0.00069749
RelInt RSD	2.23377132	2.09761731	4.19690825	64.77730046	10.58777847	1.54248019	108.46205680
RelInt SD	0.00495895	0.00000488	0.00001109	0.00000869	0.00000986	0.00002151	0.00075651
Conc Mean	4.84536000[mg/l]	0.00132907[mg/l]	<-0.00206058[mg/l]	0.00307359[mg/l]	0.00422505[mg/l]	0.03122710[mg/l]	<-0.00288333[mg/l]
Conc RSD	2.44501957	3.53031067	20.14520184	13.91464053	19.38743920	1.63093595	29.59987237
Conc SD	0.11847000[mg/l]	0.00004692[mg/l]	0.00041511[mg/l]	0.00042768[mg/l]	0.00081913[mg/l]	0.00050929[mg/l]	0.00085346[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	22386.5000000	1275.50000000	2982.43000000	1399500	34943000	50676.2000000	2207.79000000
Int RSD	4.84993188	1.62895335	6.55582864	0.94768131	0.88360473	1.07512994	1.90130402
Int SD	1085.73000000	20.77730000	195.52300000	13262.8000000	308758	544.83500000	41.97680000
RelInt Mean	0.00009737	-0.00010181	0.00000343	---	---	---	0.00031870
RelInt RSD	17.76185380	7.63094981	77.90711569	---	---	---	5.35116427
RelInt SD	0.00001729	0.00000777	0.00000267	---	---	---	0.00001705
Conc Mean	0.00143310[mg/l]	<0.00845045[mg/l]	<0.00067036[mg/l]	1395460	34906600	50705.1000000	0.00091853[mg/l]
Conc RSD	14.17905240	7.21933151	95.33951906	---	---	---	10.90200843
Conc SD	0.00020320[mg/l]	0.00061007[mg/l]	0.00063912[mg/l]	13243.1000000	308420	563.26500000	0.00010014[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	31.29020000	127.05500000	8183.03000000	-47.84310000	2697.48000000	-71.62990000	
Int RSD	111.14981688	116.60776829	1.91668612	20.51135900	2.06819328	3.49260574	
Int SD	34.77900000	148.15600000	156.84300000	9.81327000	55.78910000	2.50175000	
RelInt Mean	-0.00004387	0.00031600	0.00425120	-0.00004224	0.00016018	-0.00005276	
RelInt RSD	2635.02223681	881.80491957	4.14518254	20.41763835	14.39153968	12.08506444	
RelInt SD	0.00115595	0.00278653	0.00017622	0.00000862	0.00002305	0.00000638	
Conc Mean	<0.00546821[mg/l]	<0.00159098[mg/l]	0.06533190[mg/l]	<2.89522000[mg/l]	0.00058357[mg/l]	0.00930799[mg/l]	
Conc RSD	106.36497135	433.37628380	4.64036711	197.01887939	15.66174694	77.25867776	
Conc SD	0.00581626[mg/l]	0.00689493[mg/l]	0.00303164[mg/l]	5.70413000[mg/l]	0.00009140[mg/l]	0.00719123[mg/l]	

ENTHALPY SPIKE USER REPORT FOR 487140 METALS Wipe
EPA 6010B

Type: BS	Type: BSD
Inst: MET06	Inst: MET06
Seqnum: 483248202048.1	Seqnum: 483248202054.1
File: met06_master011	File: met06_master011
IDF: 1.0	IDF: 1.0
Lab ID: QC1074452	Lab ID: QC1074453
Matrix: Wipe	Matrix: Wipe
Batch: 316526	Batch: 316526
Time: 21-JUN-2023 11:31	Time: 21-JUN-2023 11:53
Cal: 483248202001	Cal: 483248202001
Units: ug/ft2	

- BS: 1.00 ft2 $\Rightarrow$ 100.0 ml = 100.0 ml/ft2 PDF
- BSD: 1.00 ft2 $\Rightarrow$ 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.066	106.6	A	107	1.063	106.3	A	106	80-120	0	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1332400	1391840	4.46

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1332400	1389440	4.28

U=use

Sample Name: BS, QC1074452, 316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 11:31:34

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	326561	137.66900000	19677.6000000	93356.1000000	480766	-145.58000000	244112
Int RSD	2.94303668	21.83062273	0.71723686	0.36403513	0.49949872	54.84688831	0.82172118
Int SD	9610.81000000	30.05400000	141.13500000	339.84900000	2401.42000000	79.84610000	2005.92000000
RelInt Mean	0.00891336	0.00263687	0.01323340	0.06564290	0.34430600	-0.00228849	0.17376900
RelInt RSD	2.25144053	35.46583639	0.17249686	0.48958379	0.34623852	79.16573811	0.20796460
RelInt SD	0.00020068	0.00093519	0.00002283	0.00032138	0.00119212	0.00181170	0.00036138
Conc Mean	0.44825900[mg/l]	<0.13181800[mg/l]	0.90156800[mg/l]	0.88482500[mg/l]	1.10167000[mg/l]	<-0.09271000[mg/l]	1.07101000[mg/l]
Conc RSD	2.26378054	105.95138752	0.17276345	0.49164524	0.34692240	221.94153813	0.21042661
Conc SD	0.01014760[mg/l]	0.13966300[mg/l]	0.00155758[mg/l]	0.00435020[mg/l]	0.00382194[mg/l]	0.20576200[mg/l]	0.00225369[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	176179	1012870	396578	274.13400000	63.67340000	1837230	192500
Int RSD	0.55145562	3.12433975	0.45034520	26.28426244	110.13358797	0.81542866	0.56774026
Int SD	971.54900000	31645.5000000	1785.97000000	72.05410000	70.12580000	14981.3000000	1092.90000000
RelInt Mean	0.12498600	0.02868970	0.28366000	0.00703780	0.00159299	1.32178000	0.13730600
RelInt RSD	0.26872690	2.39516970	0.38957907	27.76563699	97.31573958	0.03937728	0.25293068
RelInt SD	0.00033587	0.00068717	0.00110508	0.00195409	0.00155023	0.00052048	0.00034729
Conc Mean	1.08052000[mg/l]	1.00304000[mg/l]	1.13204000[mg/l]	1.51365000[mg/l]	<0.69959200[mg/l]	1.11873000[mg/l]	1.04131000[mg/l]
Conc RSD	0.26859105	2.40807944	0.38971414	25.62210551	78.16427289	0.03954305	0.25284401
Conc SD	0.00290218[mg/l]	0.02415400[mg/l]	0.00441172[mg/l]	0.38782900[mg/l]	0.54683100[mg/l]	0.00044238[mg/l]	0.00263289[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	9124.69000000	160810	41620.1000000	27623.5000000	14561.5000000	3029.77000000	47920.5000000
Int RSD	1.84324070	0.78199117	0.98925279	0.21000815	0.87465577	1.92243966	0.73631118
Int SD	168.19000000	1257.52000000	411.72800000	58.01160000	127.36300000	58.24550000	352.84400000
RelInt Mean	0.18027500	0.11369300	0.02764660	0.01848060	0.00945905	0.00128662	0.97021500
RelInt RSD	2.16272916	0.06912448	0.21929134	0.94841618	0.19729888	2.71894576	0.37914792
RelInt SD	0.00389886	0.00007859	0.00006063	0.00017527	0.00001866	0.00003498	0.00367855
Conc Mean	3.84853000[mg/l]	1.09280000[mg/l]	1.06574000[mg/l]	0.90617500[mg/l]	0.78254700[mg/l]	0.02866930[mg/l]	1.09088000[mg/l]
Conc RSD	2.42018381	0.06981250	0.21831967	0.95080089	0.19822068	2.88869627	0.38051206
Conc SD	0.09314150[mg/l]	0.00076291[mg/l]	0.00232672[mg/l]	0.00861592[mg/l]	0.00155117[mg/l]	0.00082817[mg/l]	0.00415093[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	3110950	19982.1000000	151682	1391840	34644000	49252.5000000	251039
Int RSD	3.02396053	0.89914974	3.40653472	0.83661915	0.75745006	0.65036293	0.70392648
Int SD	94073.9000000	179.66900000	5167.10000000	11644.4000000	262411	320.32000000	1767.13000000
RelInt Mean	0.08915260	0.01323650	0.00428255	---	---	---	0.17940600
RelInt RSD	2.28812171	0.24297133	2.59350154	---	---	---	0.13836550
RelInt SD	0.00203392	0.00003216	0.00011107	---	---	---	0.00024824
Conc Mean	1.04779000[mg/l]	1.03268000[mg/l]	1.02336000[mg/l]	1387560	34606600	49271.5000000	1.05201000[mg/l]
Conc RSD	2.28754808	0.24234710	2.59511804	---	---	---	0.13841694
Conc SD	0.02396870[mg/l]	0.00250267[mg/l]	0.02655740[mg/l]	11589.9000000	262206	321.98700000	0.00145616[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8616.82000000	16785.9000000	386380	-41.51100000	324574	-70.49950000	
Int RSD	1.57849415	0.34052628	0.50639008	29.66683530	0.63071287	4.83365130	
Int SD	136.01600000	57.16040000	1956.59000000	12.31500000	2047.13000000	3.40770000	
RelInt Mean	0.17446900	0.33737500	0.27629200	-0.00003951	0.23169700	-0.00005226	
RelInt RSD	0.80412566	0.34238162	0.34007137	18.26009259	0.23871565	10.86984976	
RelInt SD	0.00140295	0.00115511	0.00093959	0.00000721	0.00055310	0.00000568	
Conc Mean	0.88354900[mg/l]	0.83560200[mg/l]	4.72548000[mg/l]	4.70142000[mg/l]	0.92503800[mg/l]	0.00987494[mg/l]	
Conc RSD	0.79889514	0.34200732	0.34096642	101.49210239	0.23898910	64.87583722	
Conc SD	0.00705863[mg/l]	0.00285782[mg/l]	0.01611230[mg/l]	4.77157000[mg/l]	0.00221074[mg/l]	0.00640645[mg/l]	

Sample Name: BSD,QC1074453,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 11:53:38

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	318707	196.98000000	19643.4000000	90304.7000000	477075	-120.74900000	241893
Int RSD	3.75040398	7.07650523	1.08134539	1.05928595	1.84712047	72.32523665	1.95403339
Int SD	11952.8000000	13.93930000	212.41300000	956.58500000	8812.15000000	87.33200000	4726.67000000
RelInt Mean	0.00876289	0.00316903	0.01327070	0.06365730	0.34234200	-0.00226334	0.17255700
RelInt RSD	2.94123286	18.15609193	1.33079642	1.15317803	0.27408995	69.42792510	0.18060641
RelInt SD	0.00025774	0.00057537	0.00017661	0.00073408	0.00093832	0.00157139	0.00031165
Conc Mean	0.44065100[mg/l]	<0.21129200[mg/l]	0.90412100[mg/l]	0.85794800[mg/l]	1.09538000[mg/l]	<-0.08985300[mg/l]	1.06355000[mg/l]
Conc RSD	2.95766945	40.66722829	1.33527481	1.15817509	0.27460151	198.62330696	0.18528419
Conc SD	0.01303300[mg/l]	0.08592660[mg/l]	0.01207250[mg/l]	0.00993654[mg/l]	0.00300793[mg/l]	0.17846900[mg/l]	0.00197059[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	174498	999538	397858	315.75500000	11.34240000	1832910	191070
Int RSD	2.00889408	3.60114373	1.36721896	20.56052952	700.76879673	1.46195394	1.99560894
Int SD	3505.48000000	35994.8000000	5439.59000000	64.92090000	79.48400000	26796.3000000	3813.01000000
RelInt Mean	0.12407800	0.02847270	0.28519200	0.00728270	0.00048572	1.32103000	0.13657800
RelInt RSD	0.10877674	2.79620127	0.75275253	13.47574389	528.30048835	0.65531139	0.27199988
RelInt SD	0.00013497	0.00079615	0.00214679	0.00098140	0.00256604	0.00865686	0.00037149
Conc Mean	1.07268000[mg/l]	0.99541800[mg/l]	1.13815000[mg/l]	1.56226000[mg/l]	<0.30900800[mg/l]	1.11810000[mg/l]	1.03579000[mg/l]
Conc RSD	0.10820095	2.81144203	0.75298423	12.46783506	292.92057164	0.65530901	0.27201074
Conc SD	0.00116065[mg/l]	0.02798560[mg/l]	0.00857009[mg/l]	0.19478000[mg/l]	0.90514800[mg/l]	0.00732701[mg/l]	0.00281746[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	6258.76000000	159428	41279.7000000	27501.6000000	14516.8000000	2889.64000000	49296.7000000
Int RSD	2.22683087	1.72041298	1.31945969	1.41031431	1.89824204	1.03963469	0.20801798
Int SD	139.37200000	2742.82000000	544.66900000	387.85900000	275.56400000	30.04170000	102.54600000
RelInt Mean	0.11881800	0.11299800	0.02758510	0.01850710	0.00950400	0.00122347	0.97151500
RelInt RSD	2.22505008	0.41361706	0.91237661	0.73051424	0.89825547	0.67830024	0.42718332
RelInt SD	0.00264376	0.00046738	0.00025168	0.00013520	0.00008537	0.00000830	0.00415015
Conc Mean	2.38025000[mg/l]	1.08611000[mg/l]	1.06338000[mg/l]	0.90752300[mg/l]	0.78628200[mg/l]	0.02717410[mg/l]	1.09235000[mg/l]
Conc RSD	2.65335994	0.41328871	0.90540447	0.73296324	0.90230096	0.72302303	0.42848171
Conc SD	0.06315660[mg/l]	0.00448877[mg/l]	0.00962789[mg/l]	0.00665181[mg/l]	0.00709463[mg/l]	0.00019647[mg/l]	0.00468052[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	3055450	19831.4000000	146855	1389440	34473300	50559.0000000	247806
Int RSD	3.63252549	1.08783545	4.30800449	2.11656495	1.43236940	0.27523290	2.38011186
Int SD	110990	215.73300000	6326.52000000	29408.4000000	493785	139.15500000	5898.06000000
RelInt Mean	0.08801270	0.01319440	0.00417190	---	---	---	0.17743900
RelInt RSD	2.46279230	1.10184624	3.39224334	---	---	---	0.33705104
RelInt SD	0.00216757	0.00014538	0.00014152	---	---	---	0.00059806
Conc Mean	1.03440000[mg/l]	1.02942000[mg/l]	0.99690400[mg/l]	1385330	34436400	50656.0000000	1.04046000[mg/l]
Conc RSD	2.46196829	1.11402537	3.39404797	---	---	---	0.33765930
Conc SD	0.02546660[mg/l]	0.01146800[mg/l]	0.03383540[mg/l]	29363.4000000	493816	182.63400000	0.00351321[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8805.84000000	17084.4000000	388843	-44.21340000	322282	-69.30730000	
Int RSD	1.01144581	1.46009810	1.34850055	4.45953037	1.86304541	11.13462795	
Int SD	89.06630000	249.44900000	5243.55000000	1.97171000	6004.26000000	7.71711000	
RelInt Mean	0.17271300	0.33396800	0.27865500	-0.00003982	0.23053500	-0.00005333	
RelInt RSD	1.70532039	1.68259234	0.76425329	14.22421565	0.36571583	12.37259976	
RelInt SD	0.00294531	0.00561932	0.00212963	0.00000566	0.00084310	0.00000660	
Conc Mean	0.87471300[mg/l]	0.82717100[mg/l]	4.76628000[mg/l]	4.49444000[mg/l]	0.92037200[mg/l]	0.00866744[mg/l]	
Conc RSD	1.69413282	1.68090999	0.76888055	83.35587971	0.36522515	85.85683893	
Conc SD	0.01481880[mg/l]	0.01390400[mg/l]	0.03664700[mg/l]	3.74638000[mg/l]	0.00336143[mg/l]	0.00744159[mg/l]	

Instrument: MET06
 Calibration #: 483248202001
 Units: mg/L

Date: 21-JUN-2023 08:42
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483248202002	L1	21-JUN-2023 08:46	S18516, S14463 (100X)
L2	met06_master011	483248202003	L2	21-JUN-2023 08:49	S18515, S14463 (100X)
L3	met06_master011	483248202004	L3	21-JUN-2023 08:52	S18514, S14463 (100X)
L4	met06_master011	483248202005	L4	21-JUN-2023 08:55	S18513, S14463 (100X)
L5	met06_master011	483248202006	L5	21-JUN-2023 08:59	S18512, S14463 (100X)
L6	met06_master011	483248202007	L6	21-JUN-2023 09:02	S18437, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00805	38.2610		0.0122	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	-0.041	0.0071	0.0267	0.0275	0.0263	0.0261

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-13	0.0100	8	0.1000	10	1.0000	6	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	Cal Date: 21-JUN-2023
Calnum: 483248202001	

- ICV 483248202010 (21-JUN-2023) stds: S18532, S14463 (100X)

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

Sample Name: ICALBLK,CALBLANK

Sample Type: Calibration Sample

Measure Date: 2023-06-21 08:42:47

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	15683.4000000	110.09400000	844.43100000	1945.37000000	2134.08000000	-130.54600000	1953.44000000
Int RSD	0.65053496	54.35718568	2.41723717	1.43260151	1.49888477	34.62304475	1.02668626
Int SD	102.02600000	59.84400000	20.41190000	27.86940000	31.98740000	45.19900000	20.05570000
RelInt Mean	0.00004881	0.00178267	0.00003092	0.00028084	0.00009527	-0.00147214	0.00006505
RelInt RSD	3.15066080	96.26627475	24.95844329	4.76239478	23.66035205	59.08989634	8.53769669
RelInt SD	0.00000154	0.00171611	0.00000772	0.00001337	0.00002254	0.00086989	0.00000555

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1596.62000000	18946.7000000	2328.44000000	-117.50800000	10.03410000	2278.77000000	1155.58000000
Int RSD	2.33158798	0.53123763	0.20059138	15.49613643	727.51616986	0.91654708	1.70921961
Int SD	37.22660000	100.65200000	4.67065000	18.20920000	72.99970000	20.88600000	19.75140000
RelInt Mean	-0.00001403	0.00015457	0.00015342	-0.00058874	-0.00039027	0.00020235	-0.00001137
RelInt RSD	122.21842079	3.03446268	17.69364637	233.13568059	176.40767569	6.70079861	140.76765402
RelInt SD	0.00001715	0.00000469	0.00002715	0.00137257	0.00068847	0.00001356	0.00001600

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1292.60000000	2136.00000000	1878.38000000	1222.99000000	929.71300000	861.90800000	241.67100000
Int RSD	5.59593068	1.04659644	0.58111777	1.18180034	3.52704544	2.26354785	32.28244183
Int SD	72.33300000	22.35530000	10.91560000	14.45330000	32.79140000	19.50970000	78.01730000
RelInt Mean	0.01928060	0.00008014	-0.00021250	-0.00004912	0.00004177	0.00007489	0.00264267
RelInt RSD	8.33288383	35.39715340	2.83246273	42.45521381	36.87321213	7.50209639	73.59375177
RelInt SD	0.00160663	0.00002837	0.00000602	0.00002085	0.00001540	0.00000562	0.00194484

	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	15841.2000000	822.00300000	2437.57000000	1332400	35735800	54817.1000000	1436.29000000
Int RSD	0.78520567	2.10041812	2.52708640	0.75286701	0.15856452	0.86523913	0.67360213
Int SD	124.38600000	17.26550000	61.59950000	10031.2000000	56664.3000000	474.29900000	9.67488000
RelInt Mean	-0.00002460	0.00000018	0.00000075	---	---	---	0.00013687
RelInt RSD	2.87387904	13158.4750411	55.04762389	---	---	---	22.61227889
RelInt SD	0.00000071	0.00002399	0.00000041	---	---	---	0.00003095

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-64.69270000	80.80930000	2298.68000000	-53.50440000	1944.47000000	-82.84170000	
Int RSD	85.17947156	92.11662519	1.32596099	16.65180808	1.82957824	3.36271467	
Int SD	55.10490000	74.43880000	30.47960000	8.90945000	35.57560000	2.78573000	
RelInt Mean	-0.00113059	-0.00032690	0.00045511	-0.00004661	0.00001621	-0.00006101	
RelInt RSD	51.90281181	477.40113858	9.34395648	15.21148908	150.79950648	3.88512921	
RelInt SD	0.00058681	0.00156061	0.00004253	0.00000709	0.00002444	0.00000237	

Method Name: Met06_Master011923

Method Autor:

Operator

Sample Name: ICAL,L1,S18516

Sample Type: Calibration Sample

Measure Date: 2023-06-21 08:46:04

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	15767.7000000	104.00900000	913.72300000	2324.38000000	3767.92000000	-128.89100000	2411.18000000
Int RSD	0.56731546	88.35389245	2.02349071	1.04861081	1.14578600	72.84682406	1.62602128
Int SD	89.45260000	91.89600000	18.48910000	24.37370000	43.17230000	93.89300000	39.20630000
RelInt Mean	0.00004415	0.00081263	0.00007249	0.00052000	0.00126110	-0.00130319	0.00035561
RelInt RSD	3.54671480	105.67932348	13.11528439	2.68645637	2.51693759	236.00089012	11.44069536
RelInt SD	0.00000157	0.00085878	0.00000951	0.00001397	0.00003174	0.00307554	0.00004068
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	2264.88000000	22388.2000000	5145.45000000	-173.61900000	93.68720000	8193.56000000	1868.40000000
Int RSD	1.16381442	0.53400899	0.65199351	16.41957389	58.89342408	0.60101470	2.61139478
Int SD	26.35900000	119.55500000	33.54800000	28.50750000	55.17560000	49.24450000	48.79130000
RelInt Mean	0.00045532	0.00024591	0.00219969	-0.00224474	0.00117357	0.00453774	0.00048667
RelInt RSD	6.05435797	1.28406272	1.57186240	41.82043355	55.49119354	0.80603120	7.21048262
RelInt SD	0.00002757	0.00000316	0.00003458	0.00093876	0.00065123	0.00003658	0.00003509
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1344.51000000	2739.58000000	2040.21000000	1570.19000000	1140.98000000	1057.50000000	223.67800000
Int RSD	4.09346156	0.30656633	0.69000740	0.67773964	2.07081632	1.97322931	40.74607248
Int SD	55.03700000	8.39863000	14.07760000	10.64180000	23.62760000	20.86690000	91.14000000
RelInt Mean	0.02084030	0.00048265	-0.00013506	0.00017905	0.00016059	0.00019307	0.00165993
RelInt RSD	5.90212233	3.46931291	11.02544738	9.60241267	9.18312701	4.35485091	110.27211991
RelInt SD	0.00123002	0.00001674	0.00001489	0.00001719	0.00001475	0.00000841	0.00183044
	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	26112.9000000	1047.52000000	2779.22000000	1350860	35637400	54778.3000000	3996.79000000
Int RSD	1.20610120	1.54273904	2.09477119	0.12277142	0.32085113	0.67666759	1.07466742
Int SD	314.94800000	16.16050000	58.21830000	1658.47000000	114343	370.66700000	42.95220000
RelInt Mean	0.00025420	0.00014052	0.00000879	---	---	---	0.00199261
RelInt RSD	2.47877689	10.50363654	15.65075579	---	---	---	0.90627870
RelInt SD	0.00000630	0.00001476	0.00000138	---	---	---	0.00001806
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	26.12460000	95.17630000	2315.49000000	-44.85840000	2638.31000000	-70.18220000	
Int RSD	462.00515989	76.43552019	0.43024932	33.90357213	0.19713605	13.60454645	
Int SD	120.69700000	72.74850000	9.96238000	15.20860000	5.20106000	9.54797000	
RelInt Mean	-0.00015301	-0.00003463	0.00043654	-0.00003980	0.00046758	-0.00005201	
RelInt RSD	2192.00705836	3397.12918660	2.44869348	24.94081733	0.76458561	5.75837987	
RelInt SD	0.00335399	0.00117647	0.00001069	0.00000993	0.00000358	0.00000299	

Method Name: Met06_Master011923

Method Autor:

Operator

Sample Name: ICAL,L2,S18515

Sample Type: Calibration Sample

Measure Date: 2023-06-21 08:49:20

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	16397.4000000	92.94590000	1055.43000000	2962.45000000	6768.29000000	-51.17280000	3235.48000000
Int RSD	1.16745338	41.88414981	0.85732545	0.58662593	0.26365744	145.25021105	1.10973642
Int SD	191.43200000	38.92960000	9.04847000	17.37850000	17.84510000	74.32860000	35.90530000
RelInt Mean	0.00004912	0.00149049	0.00015496	0.00095419	0.00345246	-0.00071514	0.00093347
RelInt RSD	9.61364705	62.29226630	2.32569290	1.26902798	0.37030697	275.69566798	2.87655883
RelInt SD	0.00000472	0.00092846	0.00000360	0.00001211	0.00001278	0.00197161	0.00002685
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3455.89000000	28917.3000000	9908.30000000	-270.76200000	-2.82557000	19879.7000000	3098.21000000
Int RSD	0.44818556	0.14335640	0.40300657	29.27456585	1675.45663353	0.80114388	0.44527001
Int SD	15.48880000	41.45480000	39.93110000	79.26440000	47.34120000	159.26500000	13.79540000
RelInt Mean	0.00129672	0.00041741	0.00569383	-0.00356238	-0.00013104	0.01318820	0.00137570
RelInt RSD	0.93368653	1.26345673	0.55159005	33.56548150	216.31511470	0.51150650	0.77005161
RelInt SD	0.00001211	0.00000527	0.00003141	0.00119573	0.00028346	0.00006746	0.00001059
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1539.38000000	3836.89000000	2359.77000000	2165.25000000	1516.45000000	1500.93000000	697.17600000
Int RSD	5.03733971	0.51326465	1.64927514	0.66792749	1.52153385	2.09259592	18.94127164
Int SD	77.54380000	19.69340000	38.91910000	14.46230000	23.07330000	31.40840000	132.05400000
RelInt Mean	0.02423880	0.00124464	0.00007088	0.00059658	0.00041332	0.00050849	0.01149680
RelInt RSD	7.39430170	1.61585679	51.26010347	2.96013946	5.91987825	5.96312197	22.41180154
RelInt SD	0.00179229	0.00002011	0.00003633	0.00001766	0.00002447	0.00003032	0.00257664
	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	45820.2000000	1470.91000000	3389.24000000	1348490	35527200	53726.3000000	9104.08000000
Int RSD	0.95025993	0.44686487	2.27841935	0.35979132	0.53544045	0.64879212	0.55496437
Int SD	435.41100000	6.57298000	77.22110000	4851.75000000	190227	348.57200000	50.52440000
RelInt Mean	0.00079288	0.00044200	0.00002249	---	---	---	0.00578022
RelInt RSD	2.18542804	1.13253031	15.76878787	---	---	---	0.29364626
RelInt SD	0.00001733	0.00000501	0.00000355	---	---	---	0.00001697
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-22.28280000	126.52100000	2440.05000000	-35.79940000	3821.51000000	-76.34270000	
Int RSD	439.12030804	17.85972289	1.39734432	41.27136209	0.69546855	11.63870285	
Int SD	97.84830000	22.59630000	34.09590000	14.77490000	26.57740000	8.88530000	
RelInt Mean	-0.00181696	-0.00024992	0.00048617	-0.00003391	0.00130403	-0.00005778	
RelInt RSD	100.48762769	3.29665568	2.01078022	43.48745506	1.22223415	13.47552248	
RelInt SD	0.00182582	0.00000824	0.00000978	0.00001474	0.00001594	0.00000779	

Sample Name: ICAL,L3,S18514

Sample Type: Calibration Sample

Measure Date: 2023-06-21 08:52:37

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	16272.5000000	81.30600000	2888.38000000	11383.5000000	47175.0000000	-200.89800000	13166.1000000
Int RSD	0.15001690	38.63946080	0.52830999	0.21441472	0.18007080	54.65659190	0.91252535
Int SD	24.41150000	31.41620000	15.25960000	24.40790000	84.94840000	109.80400000	120.14400000
RelInt Mean	0.00004357	0.00089737	0.00148766	0.00712957	0.03306670	-0.00310460	0.00820277
RelInt RSD	5.77414491	106.99964563	0.40378379	0.30587679	0.55695912	75.15976293	0.72310329
RelInt SD	0.00000252	0.00096019	0.00000601	0.00002181	0.00018417	0.00233341	0.00005931

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	18552.9000000	117093	75510.1000000	-218.18900000	69.90880000	175969	19287.9000000
Int RSD	1.24622566	1.99315074	0.78974601	69.18176443	15.09266358	0.45539271	0.50696188
Int SD	231.21100000	2333.84000000	596.33800000	150.94700000	10.55110000	801.35000000	97.78230000
RelInt Mean	0.01234210	0.00287163	0.05378540	-0.00274893	0.00020048	0.12764000	0.01322220
RelInt RSD	1.00115053	2.21773000	0.44207536	99.98799533	494.07272546	0.37796067	0.13544191
RelInt SD	0.00012356	0.00006369	0.00023777	0.00274860	0.00099052	0.00048243	0.00001791

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	5386.33000000	17807.7000000	5934.20000000	9842.65000000	6204.00000000	6994.98000000	25473.0000000
Int RSD	2.80794159	0.38513115	0.81366823	0.18456716	0.19489845	0.50294783	0.44503199
Int SD	151.24500000	68.58300000	48.28470000	18.16630000	12.09150000	35.18110000	113.36300000
RelInt Mean	0.09526630	0.01147980	0.00266736	0.00621569	0.00385057	0.00453377	0.46696800
RelInt RSD	1.99879706	0.05586116	0.89393258	0.36412369	0.66410687	0.01563123	0.97894717
RelInt SD	0.00190418	0.00000641	0.00002384	0.00002263	0.00002557	0.00000071	0.00457137

	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	312062	6724.41000000	9853.27000000	1364790	35815000	54246.5000000	77210.2000000
Int RSD	2.04064897	0.45680885	3.85055926	0.37177148	0.24943292	0.59498585	0.86645676
Int SD	6368.09000000	30.71770000	379.40600000	5073.90000000	89334.4000000	322.75900000	668.99300000
RelInt Mean	0.00821967	0.00426394	0.00020194	---	---	---	0.05569680
RelInt RSD	2.18471058	0.54952227	4.69481638	---	---	---	0.51000776
RelInt SD	0.00017958	0.00002343	0.00000948	---	---	---	0.00028406

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-83.03080000	1090.14000000	2524.79000000	-51.45640000	19048.7000000	-75.42060000	
Int RSD	28.61769368	6.57819179	0.46806269	22.21434068	0.33841837	18.40147122	
Int SD	23.76150000	71.71150000	11.81760000	11.43070000	64.46430000	13.87850000	
RelInt Mean	-0.00132162	0.01797870	0.00053812	-0.00003888	0.01245250	-0.00005297	
RelInt RSD	90.45035638	6.50119308	3.22903155	22.31601609	0.69232443	14.88377976	
RelInt SD	0.00119541	0.00116883	0.00001738	0.00000868	0.00008621	0.00000788	

Sample Name: ICAL,L4,S18513

Sample Type: Calibration Sample

Measure Date: 2023-06-21 08:55:54

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	16841.3000000	197.59700000	20080.4000000	97456.4000000	427393	2581.64000000	114237
Int RSD	1.24990351	20.08481910	0.68401526	0.48086426	0.42917877	1.51574193	0.77938496
Int SD	210.50000000	39.68700000	137.35300000	468.63300000	1834.28000000	39.13100000	890.34600000
RelInt Mean	0.00004569	0.00183533	0.01437740	0.07211400	0.32064100	0.04795890	0.08446980
RelInt RSD	4.08226331	32.89806193	0.34705580	0.16009513	0.06915398	1.99561083	0.45042607
RelInt SD	0.00000187	0.00060379	0.00004990	0.00011545	0.00022174	0.00095707	0.00038047
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	157006	972073	695767	2490.95000000	287.93400000	1651660	175635
Int RSD	0.57150109	2.26290618	0.26912027	4.86171942	21.38896414	0.22849315	0.63503857
Int SD	897.29100000	21997.1000000	1872.45000000	121.10300000	61.58610000	3773.93000000	1115.35000000
RelInt Mean	0.11668800	0.02770130	0.52305300	0.04765570	0.00556110	1.24417000	0.13139900
RelInt RSD	0.31043038	2.34181067	0.14943342	4.68957543	13.10835986	0.16205904	0.25238168
RelInt SD	0.00036223	0.00064871	0.00078162	0.00223485	0.00072897	0.00201629	0.00033163
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	44628.6000000	147319	38987.6000000	82106.6000000	50574.1000000	58716.5000000	255137
Int RSD	0.73689069	0.59874354	0.66467287	0.55527936	0.74030185	0.79372238	0.67265038
Int SD	328.86400000	882.06300000	259.14000000	455.92100000	374.40100000	466.04600000	1716.18000000
RelInt Mean	0.82644000	0.10916900	0.02749960	0.06070220	0.03730600	0.04354830	4.75162000
RelInt RSD	0.55085064	0.25170149	0.43168992	0.23039198	0.35872514	0.58796555	1.18208316
RelInt SD	0.00455245	0.00027478	0.00011871	0.00013985	0.00013383	0.00025605	0.05616810
	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	2908590	56390.6000000	73390.0000000	1328700	34484000	53624.4000000	721007
Int RSD	1.87550669	0.53553074	1.72894127	0.37981561	0.16213606	0.78200968	0.90856122
Int SD	54550.8000000	301.98900000	1268.87000000	5046.61000000	55911.0000000	419.34800000	6550.79000000
RelInt Mean	0.08377500	0.04168850	0.00204425	---	---	---	0.54265200
RelInt RSD	1.92798568	0.28203222	1.91318576	---	---	---	0.59538894
RelInt SD	0.00161517	0.00011758	0.00003911	---	---	---	0.00323089
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	1098.46000000	19310.2000000	3968.96000000	-42.69530000	163321	-66.16040000	
Int RSD	14.66134406	1.42141977	1.24331311	34.09789836	0.23897356	20.43397561	
Int SD	161.04900000	274.47900000	49.34660000	14.55820000	390.29400000	13.51920000	
RelInt Mean	0.01971700	0.35724500	0.00147327	-0.00003925	0.12137400	-0.00005011	
RelInt RSD	14.00025359	0.95848507	1.44285162	17.55114676	0.27141233	4.49828778	
RelInt SD	0.00276043	0.00342414	0.00002126	0.00000689	0.00032942	0.00000225	

Method Name: Met06_Master011923

Method Autor:

Operator

Sample Name: ICAL,L5,S18512

Sample Type: Calibration Sample

Measure Date: 2023-06-21 08:59:11

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	19893.1000000	2702.86000000	94949.8000000	460132	1952170	21790.7000000	514336
Int RSD	0.45550518	2.81128138	0.58583799	0.28217990	0.37612913	0.96261708	0.05416459
Int SD	90.61410000	75.98500000	556.25200000	1298.40000000	7342.68000000	209.76100000	278.58800000
RelInt Mean	0.00006037	0.04967090	0.07377230	0.36139500	1.53893000	0.42184000	0.40351700
RelInt RSD	3.25958541	2.43146390	0.37337456	0.31754452	0.09757689	0.40964110	0.30528825
RelInt SD	0.00000197	0.00120773	0.00027545	0.00114759	0.00150164	0.00172803	0.00123189
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	784196	4531860	3222360	23833.5000000	6329.20000000	7533750	870088
Int RSD	0.30782610	1.76531490	0.37489294	0.39490591	0.74544176	0.29013970	0.29033845
Int SD	2413.96000000	80001.6000000	12080.4000000	94.11990000	47.18050000	21858.4000000	2526.20000000
RelInt Mean	0.61645500	0.14011100	2.54200000	0.46268100	0.12285200	5.94652000	0.68534300
RelInt RSD	0.29329635	1.90483973	0.13749410	0.77654150	1.66921173	0.06349815	0.22718405
RelInt SD	0.00180804	0.00266889	0.00349510	0.00359291	0.00205066	0.00377593	0.00155699
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	212300	684482	169513	375344	228332	267931	1184180
Int RSD	0.74022610	0.33577216	0.17871550	0.24235155	0.08588590	0.22104310	0.26230725
Int SD	1571.50000000	2298.30000000	302.94600000	909.65200000	196.10500000	592.24300000	3106.19000000
RelInt Mean	4.10120000	0.53764200	0.13125800	0.29434300	0.17902800	0.21037100	22.91790000
RelInt RSD	1.28116649	0.07085607	0.26864191	0.25716426	0.26655886	0.25023791	0.55046928
RelInt SD	0.05254320	0.00038095	0.00035261	0.00075694	0.00047722	0.00052643	0.12615600
	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	13428000	249652	335422	1270090	32146600	51592.8000000	3217770
Int RSD	1.38943998	0.16275856	1.74355886	0.34376225	0.13990002	0.87938821	0.33939343
Int SD	186574	406.33000000	5848.28000000	4366.09000000	44973.1000000	453.70100000	10920.9000000
RelInt Mean	0.41694600	0.19544900	0.01031270	---	---	---	2.53876000
RelInt RSD	1.52773261	0.18367247	1.90238250	---	---	---	0.11904355
RelInt SD	0.00636982	0.00035899	0.00019619	---	---	---	0.00302223
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	14497.6000000	103416	10643.1000000	-24.25210000	809143	-12.43970000	
Int RSD	1.38265644	0.22046975	2.30267497	56.94146074	0.09619573	41.75912602	
Int SD	200.45200000	228.00100000	245.07600000	13.80950000	778.36100000	5.19471000	
RelInt Mean	0.27966900	1.99524000	0.00634708	-0.00003581	0.63578400	-0.00004933	
RelInt RSD	0.76900193	0.76199856	3.26479263	30.09283949	0.28520535	5.42677315	
RelInt SD	0.00215066	0.01520370	0.00020722	0.00001078	0.00181329	0.00000268	

Sample Name: ICAL,L6,S18437

Sample Type: Calibration Sample

Measure Date: 2023-06-21 09:02:26

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	23349.2000000	7399.58000000	182152	919372	3852590	45058.3000000	1002840
Int RSD	1.64976102	1.66474313	0.34477854	0.15782186	0.24410020	0.85840345	0.15002692
Int SD	385.20600000	123.18400000	628.02100000	1450.97000000	9404.18000000	386.78200000	1504.53000000
RelInt Mean	0.00006993	0.14216200	0.14604100	0.74327000	3.12166000	0.88918300	0.80993200
RelInt RSD	13.71542474	0.46731053	0.49107374	0.33488100	0.19426747	0.54847877	0.27630344
RelInt SD	0.00000959	0.00066434	0.00071717	0.00248907	0.00606437	0.00487698	0.00223787

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1405490	8969480	6151770	52077.7000000	14786.6000000	14534100	1611800
Int RSD	0.43558545	2.07309677	0.25429267	0.43163389	1.20491526	0.09057320	0.14487157
Int SD	6122.11000000	185946	15643.5000000	224.78500000	178.16600000	13164.0000000	2335.04000000
RelInt Mean	1.13587000	0.28587100	4.98662000	1.02783000	0.29137300	11.78580000	1.30495000
RelInt RSD	0.31745094	2.39708120	0.32949172	0.58187346	0.53175826	0.16173361	0.23984827
RelInt SD	0.00360583	0.00685256	0.01643050	0.00598067	0.00154940	0.01906160	0.00312990

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	428915	1274300	325650	760654	448035	523348	2225680
Int RSD	0.75925766	0.39277564	0.14628743	0.15412395	0.17355497	0.15899516	0.65732720
Int SD	3256.57000000	5005.14000000	476.38500000	1172.35000000	777.58700000	832.09800000	14630.0000000
RelInt Mean	8.44369000	1.02978000	0.26059900	0.61404400	0.36167700	0.42273100	43.89500000
RelInt RSD	0.43920727	0.35980986	0.29283881	0.22333742	0.35497419	0.24456924	0.64650188
RelInt SD	0.03708530	0.00370525	0.00076314	0.00137139	0.00128386	0.00103387	0.28378200

	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	26753800	471111	660867	1237140	31243500	50687.8000000	6308660
Int RSD	1.34707967	0.09009214	2.09940881	0.18243691	0.38686127	0.87515142	0.77420720
Int SD	360395	424.43400000	13874.3000000	2257.00000000	120869	443.59500000	48842.1000000
RelInt Mean	0.85538300	0.37978300	0.02098880	---	---	---	5.11344000
RelInt RSD	1.67065513	0.26190140	2.43143962	---	---	---	0.64583529
RelInt SD	0.01429050	0.00099466	0.00051033	---	---	---	0.03302440

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	30723.1000000	206435	16912.2000000	18.36150000	1537010	162.60200000	
Int RSD	1.56251811	0.75531765	0.73687634	71.33894290	0.07401839	5.65009040	
Int SD	480.05400000	1559.24000000	124.62200000	13.09890000	1137.67000000	9.18716000	
RelInt Mean	0.60446100	4.05766000	0.01117570	-0.00003235	1.24213000	-0.00000302	
RelInt RSD	1.18813621	0.39545699	0.71165475	19.00015766	0.16834309	281.61116195	
RelInt SD	0.00718182	0.01604630	0.00007953	0.00000615	0.00209104	0.00000849	

Sample Name: ICAL,L7,S18468

Sample Type: Calibration Sample

Measure Date: 2023-06-21 09:05:42

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1456660	101.84000000	952.48600000	3402.07000000	2470.22000000	-113.16000000	2206.95000000
Int RSD	2.06234811	39.04084839	2.55321338	6.60427328	1.70405875	60.49019088	0.47910465
Int SD	30041.4000000	39.75920000	24.31900000	224.68200000	42.09400000	68.45070000	10.57360000
RelInt Mean	0.03959980	0.00075518	0.00004492	0.00116094	0.00015307	-0.00186201	0.00007987
RelInt RSD	1.97839383	37.88783851	50.78502093	13.91174393	19.12318869	25.37440723	4.26014982
RelInt SD	0.00078344	0.00028612	0.00002281	0.00016151	0.00002927	0.00047247	0.00000340
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1862.49000000	20566.6000000	5569.44000000	-207.91100000	48.30670000	2963.59000000	1823.57000000
Int RSD	1.65567063	2.25335252	24.32991468	27.00857578	147.46339535	3.13128672	10.10759115
Int SD	30.83670000	463.43800000	1355.04000000	56.15380000	71.23470000	92.79850000	184.31900000
RelInt Mean	0.00002760	0.00016308	0.00228740	-0.00262493	0.00008268	0.00050848	0.00035909
RelInt RSD	59.16957149	7.68916632	42.61545860	14.23001756	1183.78353534	15.33264894	31.86256217
RelInt SD	0.00001633	0.00001254	0.00097479	0.00037353	0.00097872	0.00007796	0.00011441
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1257.98000000	2367.13000000	2086.44000000	1956.14000000	1137.13000000	1640.23000000	190.26600000
Int RSD	5.11403997	1.25423614	1.35885048	8.68710828	1.98247342	15.00393238	29.17257944
Int SD	64.33360000	29.68940000	28.35160000	169.93200000	22.54330000	246.09900000	55.50550000
RelInt Mean	0.01894610	0.00006528	-0.00021710	0.00035986	0.00009350	0.00055341	0.00212768
RelInt RSD	3.45836346	16.91059899	9.86729923	35.60337018	29.37179612	32.89664369	58.62394721
RelInt SD	0.00065522	0.00001104	0.00002142	0.00012812	0.00002746	0.00018205	0.00124733
	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	47168.90000000	1022.01000000	2882.74000000	1400880	36341200	53905.4000000	2015.88000000
Int RSD	6.03815226	1.05505817	2.17889230	0.33039804	0.57984601	0.94793101	5.64463162
Int SD	2848.13000000	10.78280000	62.81180000	4628.48000000	210723	510.98600000	113.78900000
RelInt Mean	0.00079283	0.00006064	0.00000301	---	---	---	0.00043639
RelInt RSD	10.00054236	4.60139424	42.04085569	---	---	---	19.67002296
RelInt SD	0.00007929	0.00000279	0.00000126	---	---	---	0.00008584
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-23.18610000	165.31100000	2562.23000000	-47.56010000	2328.20000000	-80.83030000	
Int RSD	315.04306459	67.29981671	1.91644388	17.75654383	2.50161069	6.29846728	
Int SD	73.04620000	111.25400000	49.10370000	8.44503000	58.24250000	5.09107000	
RelInt Mean	-0.00125801	0.00037266	0.00047741	-0.00004094	0.00011908	-0.00005773	
RelInt RSD	63.67000262	397.26185461	10.91196246	11.13865208	26.97156486	8.85496236	
RelInt SD	0.00080097	0.00148044	0.00005209	0.00000456	0.00003212	0.00000511	

Method Name: Met06_Master011923

Method Autor:

Operator

Sample Name: ICAL,L8,S18177

Sample Type: Calibration Sample

Measure Date: 2023-06-21 09:08:59

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	17125.0000000	130.14500000	952.67300000	2774.30000000	2462.94000000	-143.59300000	2243.33000000
Int RSD	0.17154453	84.89300396	4.51551582	1.87367985	0.88203935	49.27176116	1.35570335
Int SD	29.37700000	110.48400000	43.01810000	51.98150000	21.72410000	70.75080000	30.41290000
RelInt Mean	0.00004386	0.00121073	0.00002333	0.00066639	0.00009318	-0.00212748	0.00005505
RelInt RSD	1.60227122	106.94044089	106.35279896	6.50680008	27.51395884	59.62406227	41.52276666
RelInt SD	0.00000070	0.00129476	0.00002481	0.00004336	0.00002564	0.00126849	0.00002286

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1866.23000000	20188.0000000	3199.12000000	-179.75900000	59.12380000	2749.21000000	1435.83000000
Int RSD	0.64307186	0.20299485	1.12174911	46.65635657	52.21907252	0.54032249	4.17909502
Int SD	12.00120000	40.98060000	35.88610000	83.86900000	30.87390000	14.85460000	60.00470000
RelInt Mean	0.00002921	0.00014864	0.00054652	-0.00230904	0.00138485	0.00031761	0.00006152
RelInt RSD	49.33541053	1.91698959	4.30921606	58.75905138	55.29833556	4.99047571	44.24639811
RelInt SD	0.00001441	0.00000285	0.00002355	0.00135677	0.00076580	0.00001585	0.00002722

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1190.87000000	2423.49000000	2115.41000000	1630.78000000	1091.23000000	1126.48000000	190.27100000
Int RSD	4.65887125	0.70272623	2.05555897	1.80922013	0.77090714	3.02820290	12.60397013
Int SD	55.48110000	17.03050000	43.48350000	29.50440000	8.41237000	34.11210000	23.98170000
RelInt Mean	0.01796560	0.00006764	-0.00025894	0.00009478	0.00003487	0.00016877	0.00181520
RelInt RSD	6.44810081	16.99429502	9.49169888	20.43301416	11.90745759	11.32500637	20.78481710
RelInt SD	0.00115844	0.00001150	0.00002458	0.00001937	0.00000415	0.00001911	0.00037729

	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	33986.2000000	989.05400000	2859.23000000	1422260	36746100	54467.5000000	1800.34000000
Int RSD	4.10522506	0.37921286	3.33154730	0.27916063	0.06827037	0.71826135	1.89459213
Int SD	1395.21000000	3.75062000	95.25660000	3970.39000000	25086.7000000	391.21900000	34.10910000
RelInt Mean	0.00042263	0.00002864	0.00000201	---	---	---	0.00024277
RelInt RSD	8.89458603	45.79242833	197.52645067	---	---	---	11.77284223
RelInt SD	0.00003759	0.00001312	0.00000396	---	---	---	0.00002858

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-5.02403000	145.90900000	827827	-36.69660000	2280.94000000	12491.2000000	
Int RSD	1855.21583271	8.68061600	0.56276009	8.40282206	0.21608635	1.25094467	
Int SD	93.20660000	12.66580000	4658.68000000	3.08355000	4.92880000	156.25800000	
RelInt Mean	-0.00200594	-0.00031129	0.58129700	-0.00003150	0.00004059	0.00880544	
RelInt RSD	99.39080930	139.27199250	0.42573074	9.45989967	27.30880755	1.10888042	
RelInt SD	0.00199372	0.00043354	0.00247476	0.00000298	0.00001109	0.00009764	

Sample Name: ICV,S18532				Sample Type: Control Sample			
Measure Date: 2023-06-21 09:21:28			Recalculation Date:		State: Check failed		Quality: Failed Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	333757	323.91900000	20656.8000000	100319	431403	24655.7000000	216407
Int RSD	2.85290496	5.13872295	0.75451183	0.15728426	0.41914173	1.41638647	0.49741921
Int SD	9521.77000000	16.64530000	155.85800000	157.78600000	1808.19000000	349.22000000	1076.45000000
RelInt Mean	0.00971143	0.00245786	0.01502600	0.07570760	0.33099900	0.45461700	0.16497500
RelInt RSD	3.19150733	16.14957727	0.65791827	0.61155683	0.46025819	0.83290550	0.25775299
RelInt SD	0.00030994	0.00039693	0.0009886	0.00046300	0.00152345	0.00378653	0.00042523
Conc Mean	0.48861600[mg/l]	<0.10508500[mg/l]	1.02417000[mg/l]	1.02106000[mg/l]	1.05905000[mg/l]	51.79980000[mg/l]	1.01675000[mg/l]
Conc RSD	3.20763135	56.41081030	0.65995294	0.61383660	0.45978566	0.83021942	0.25337792
Conc SD	0.01567300[mg/l]	0.05927930[mg/l]	0.00675904[mg/l]	0.00626764[mg/l]	0.00486936[mg/l]	0.43005200[mg/l]	0.00257622[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	153780	945809	350602	12691.4000000	7455.13000000	1612080	173902
Int RSD	0.65920796	2.62825793	0.19557818	0.86644499	0.69626821	0.44693377	0.61117181
Int SD	1013.73000000	24858.3000000	685.70100000	109.96400000	51.90770000	7204.93000000	1062.84000000
RelInt Mean	0.11665500	0.02842850	0.26848200	0.23525000	0.13713900	1.24264000	0.13297300
RelInt RSD	0.53621276	2.87360571	0.64136516	0.80051435	0.32499435	0.32931018	0.63888835
RelInt SD	0.00062552	0.00081692	0.00172195	0.00188321	0.00044569	0.00409214	0.00084955
Conc Mean	1.00850000[mg/l]	0.99386700[mg/l]	1.07142000[mg/l]	46.80680000[mg/l]	48.51240000[mg/l]	1.05174000[mg/l]	1.00844000[mg/l]
Conc RSD	0.53567278	2.88921958	0.64205727	0.79869805	0.32385741	0.32917261	0.63886399
Conc SD	0.00540226[mg/l]	0.02871500[mg/l]	0.00687913[mg/l]	0.37384500[mg/l]	0.15711100[mg/l]	0.00346204[mg/l]	0.00644256[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	113635	143746	38854.3000000	29040.1000000	17637.4000000	285345	54237.6000000
Int RSD	0.41964624	0.46136866	0.72334851	0.35324259	0.25315579	0.42521509	0.63826939
Int SD	476.86500000	663.19900000	281.05200000	102.58200000	44.65010000	1213.33000000	346.18200000
RelInt Mean	2.09229000	0.10869500	0.02779810	0.02103140	0.01261840	0.21946600	0.99909600
RelInt RSD	1.03556868	0.69520769	0.17614261	0.62274979	0.36553763	0.43709641	0.32027453
RelInt SD	0.02166710	0.00075566	0.00004896	0.00013097	0.00004613	0.00095928	0.00319985
Conc Mean	49.52850000[mg/l]	1.04472000[mg/l]	1.07153000[mg/l]	1.03222000[mg/l]	1.04509000[mg/l]	5.19454000[mg/l]	1.12346000[mg/l]
Conc RSD	1.04502458	0.69586684	0.17498343	0.62500727	0.36667273	0.43725335	0.32123707
Conc SD	0.51758500[mg/l]	0.00726986[mg/l]	0.00187500[mg/l]	0.00645145[mg/l]	0.00383206[mg/l]	0.02271330[mg/l]	0.00360897[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	2854200	19502.7000000	138293	1298540	32638400	54142.9000000	233138
Int RSD	2.67218835	0.71240392	2.96670113	0.77376900	0.43671258	0.62885069	0.50189587
Int SD	76269.6000000	138.93800000	4102.74000000	10047.7000000	142536	340.47800000	1170.11000000
RelInt Mean	0.08683540	0.01409360	0.00413207	---	---	---	0.17858700
RelInt RSD	2.86535215	0.22987455	3.09273560	---	---	---	0.26455285
RelInt SD	0.00248814	0.00003240	0.00012779	---	---	---	0.00047246
Conc Mean	1.02057000[mg/l]	1.10007000[mg/l]	0.98739400[mg/l]	1294840	32601100	54179.5000000	1.04724000[mg/l]
Conc RSD	2.86453648	0.23179889	3.09440811	---	---	---	0.26473492
Conc SD	0.02923460[mg/l]	0.00254995[mg/l]	0.03055400[mg/l]	10091.9000000	142305	385.02400000	0.00277241[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9711.83000000	20759.0000000	427720	-34.33550000	336242	6768.47000000	
Int RSD	0.85464325	0.37964931	0.30876976	30.51768578	0.31275094	1.35571259	
Int SD	83.00150000	78.81140000	1320.67000000	10.47840000	1051.60000000	91.76100000	
RelInt Mean	0.17807500	0.37943600	0.32803100	-0.00004138	0.25733800	0.00520613	
RelInt RSD	0.90960550	0.16022544	0.49195350	19.47279257	0.47369996	2.12270919	
RelInt SD	0.00161978	0.00060795	0.00161376	0.00000806	0.00121901	0.00011051	
Conc Mean	0.90168900[mg/l]	0.93967700[mg/l]	5.61697000[mg/l]	<3.46349000[mg/l]	1.02734000[mg/l]	5.94053000[mg/l]	
Conc RSD	0.90374841	0.16001881	0.49270158	153.87715859	0.47455176	2.09814613	
Conc SD	0.00814900[mg/l]	0.00150366[mg/l]	0.02767490[mg/l]	5.32952000[mg/l]	0.00487526[mg/l]	0.12464100[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248202012	File: met06_master011
Cal: 483248202001	Time: 21-JUN-2023 09:27
Caldate: 21-JUN-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	35735800	35933000	0.55
Yttrium	A	1332400	1358230	1.94
Yttrium	R	54817	54433	-0.70

Sample Name: ICB,1				Sample Type: Control Sample			
Measure Date: 2023-06-21 09:27:59			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	17060.3000000	94.63100000	880.78800000	2282.05000000	2298.05000000	-121.26500000	2129.05000000
Int RSD	0.82286947	13.13110926	3.91412008	3.32246445	2.29856182	27.68342061	3.36732345
Int SD	140.38400000	12.42610000	34.47510000	75.82030000	52.82210000	33.57030000	71.69200000
RelInt Mean	0.00004723	0.00022717	0.00000811	0.00041010	0.00009480	-0.00134171	0.00007332
RelInt RSD	7.79904985	317.76127550	150.13999038	1.71951193	7.21907754	30.04315389	18.93706694
RelInt SD	0.00000368	0.00072187	0.00001217	0.00000705	0.00000684	0.00040309	0.00001388
Conc Mean	<0.00007978[mg/l]	<0.22805000[mg/l]	<0.00155956[mg/l]	0.00184001[mg/l]	<0.00000235[mg/l]	<0.01481980[mg/l]	<0.00003489[mg/l]
Conc RSD	233.49139082	47.27296645	53.36120444	5.18759137	958.41741473	308.91577484	245.74636406
Conc SD	0.00018628[mg/l]	0.10780600[mg/l]	0.00083220[mg/l]	0.00009545[mg/l]	0.00002256[mg/l]	0.04578070[mg/l]	0.00008574[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	1767.30000000	20058.4000000	2793.62000000	-189.53700000	42.09810000	2564.86000000	1320.51000000
Int RSD	2.05454082	0.63699996	3.51530273	35.49027367	62.14247199	2.93377416	4.61227102
Int SD	36.30990000	127.77200000	98.20420000	67.26720000	26.16080000	75.24720000	60.90550000
RelInt Mean	0.00000583	0.00015070	0.00035511	-0.00250990	0.00003591	0.00025859	0.00003128
RelInt RSD	336.07959415	1.29125498	10.02587967	45.13885015	1236.08458124	9.08270717	68.07720956
RelInt SD	0.00001961	0.00000195	0.00003560	0.00113294	0.00044392	0.00002349	0.00002130
Conc Mean	<0.00000485[mg/l]	<0.00006112[mg/l]	0.00063546[mg/l]	<0.38127200[mg/l]	<0.15034500[mg/l]	<0.00002552[mg/l]	<0.00023173[mg/l]
Conc RSD	3492.36759162	111.89913305	22.37442994	58.97469523	104.15311450	77.90594707	69.69464199
Conc SD	0.00016953[mg/l]	0.00006840[mg/l]	0.00014218[mg/l]	0.22485400[mg/l]	0.15658900[mg/l]	0.00001988[mg/l]	0.00016150[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	1102.82000000	2309.92000000	2021.44000000	1395.88000000	1035.97000000	971.47500000	214.30400000
Int RSD	8.76570973	2.32921054	1.83144194	2.47415967	2.90801857	4.59297460	24.85781880
Int SD	96.67000000	53.80290000	37.02150000	34.53630000	30.12620000	44.61960000	53.27130000
RelInt Mean	0.01554880	0.00007548	-0.00023108	-0.00000224	0.00004781	0.00009423	0.00224426
RelInt RSD	7.98428175	32.62334200	15.65021898	1378.48297214	12.98559849	2.14748569	32.07284361
RelInt SD	0.00124146	0.00002462	0.00003616	0.00003081	0.00000621	0.00000202	0.00071980
Conc Mean	<0.08694600[mg/l]	<0.00018157[mg/l]	<0.00078123[mg/l]	<0.00230895[mg/l]	<0.00046136[mg/l]	<0.00043685[mg/l]	<0.00113834[mg/l]
Conc RSD	34.11301267	130.45305340	176.90007578	65.67530696	111.82213263	10.96768212	71.33562907
Conc SD	0.02965990[mg/l]	0.00023686[mg/l]	0.00138200[mg/l]	0.00151641[mg/l]	0.00051590[mg/l]	0.00004791[mg/l]	0.00081204[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	18363.1000000	917.22800000	2848.62000000	1358230	35933000	54433.2000000	1508.63000000
Int RSD	1.02554035	3.40366844	4.34034726	2.40853905	0.29374948	1.61321583	5.37341827
Int SD	188.32100000	31.21940000	123.64000000	32713.5000000	105553	878.12500000	81.06500000
RelInt Mean	0.00000107	0.00001092	0.00000368	---	---	---	0.00009714
RelInt RSD	66.40663201	63.59884626	56.28714849	---	---	---	22.68568987
RelInt SD	0.00000071	0.00000695	0.00000207	---	---	---	0.00002204
Conc Mean	0.00030164[mg/l]	<0.00039948[mg/l]	<0.00073004[mg/l]	1354980	35896100	54495.8000000	<0.00038198[mg/l]
Conc RSD	2.76137434	136.51239868	67.83239389	---	---	---	33.89916147
Conc SD	0.00000833[mg/l]	0.00054534[mg/l]	0.00049521[mg/l]	32687.9000000	105065	936.98700000	0.00012949[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	11.20190000	84.88480000	2512.56000000	-44.84310000	2166.68000000	-68.68190000	
Int RSD	740.47438381	75.28662375	3.52028608	24.04026483	1.13583916	13.94349894	
Int SD	82.94720000	63.90690000	88.44930000	10.78040000	24.61000000	9.57666000	
RelInt Mean	-0.00126305	-0.00029272	0.00049331	-0.00003792	0.00005308	-0.00004963	
RelInt RSD	88.81516963	293.97028529	0.99348281	4.44854977	58.22483134	2.37876461	
RelInt SD	0.000112178	0.00086050	0.00000490	0.00000169	0.00003091	0.00000118	
Conc Mean	<0.00066623[mg/l]	<0.00008478[mg/l]	<0.00065253[mg/l]	5.75212000[mg/l]	<0.00014253[mg/l]	0.01284190[mg/l]	
Conc RSD	847.20673284	2511.50353333	13.35505405	19.39632692	87.55411179	10.36809195	
Conc SD	0.00564432[mg/l]	0.00212921[mg/l]	0.00008715[mg/l]	1.11570000[mg/l]	0.00012479[mg/l]	0.00133146[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248202013	Caldate: 21-JUN-2023	Time: 21-JUN-2023 09:31
Cal: 483248202001		

Standards: S18280, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.0006520]	0.003333	mg/l	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	143.5	mg/l	90	
Magnesium	R	400.0	438.5	mg/l	110	calc

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	30152300	-15.62
Yttrium	A	1332400	1166630	-12.44
Yttrium	R	54817	51830	-5.45

calc=check quantitation

Sample Name: ICSA,S18280				Sample Type: Control Sample			
Measure Date: 2023-06-21 09:31:14			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	18846.8000000	162165	6566.99000000	4858.46000000	5648.33000000	175278	3920.20000000
Int RSD	1.82028779	0.34598711	1.42151732	2.60465250	0.74587356	1.09265281	1.09357686
Int SD	343.06600000	561.07000000	93.35090000	126.54600000	42.12940000	1915.18000000	42.87040000
RelInt Mean	0.00001206	3.11552000	0.00015901	0.00053296	0.00169072	3.37942000	0.00031345
RelInt RSD	39.68013594	0.83326700	24.26179815	15.79001387	0.82923252	1.95125495	4.96597576
RelInt SD	0.00000479	0.02596060	0.00003858	0.00008415	0.00001402	0.06594110	0.00001557
Conc Mean	<0.00185825[mg/l]	>465.01600000[mg/l]	0.00876039[mg/l]	0.00350298[mg/l]	0.00513026[mg/l]	>383.98100000[mg/l]	0.00151646[mg/l]
Conc RSD	13.02709539	0.83376916	30.10025809	32.51802751	0.84136671	1.95041942	6.34645160
Conc SD	0.00024208[mg/l]	3.87716000[mg/l]	0.00263690[mg/l]	0.00113910[mg/l]	0.00004316[mg/l]	7.48924000[mg/l]	0.00009624[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	3453.40000000	24492.7000000	41745300	-175.63900000	64514.8000000	11545.3000000	11143.3000000
Int RSD	1.73001390	2.30122036	0.65648348	18.98974601	0.51215845	2.15558712	1.08386205
Int SD	59.74430000	563.63100000	274051	33.35340000	330.41800000	248.86900000	120.77800000
RelInt Mean	-0.00057405	0.00021443	35.92690000	-0.00246450	1.24285000	0.00473126	-0.00022213
RelInt RSD	6.31521370	0.58624179	0.15756773	48.22479205	0.40302611	2.64424276	39.46662105
RelInt SD	0.00003625	0.00000126	0.05660920	0.00118850	0.00500901	0.00012511	0.00008767
Conc Mean	<-0.00500861[mg/l]	0.00217888[mg/l]	>143.47600000[mg/l]	<-0.37226200[mg/l]	>438.54400000[mg/l]	0.00376090[mg/l]	<-0.00169012[mg/l]
Conc RSD	6.25768427	2.02756462	0.15754063	63.36451209	0.40330731	2.81613444	39.33815350
Conc SD	0.00031342[mg/l]	0.00004418[mg/l]	0.22603300[mg/l]	0.23588200[mg/l]	1.76868000[mg/l]	0.00010591[mg/l]	0.00066486[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	353.74600000	3976.29000000	8182.37000000	12996.4000000	8865.46000000	6792.58000000	162.11300000
Int RSD	28.67396380	2.18841684	1.64482907	1.59409529	1.64889357	1.11915502	56.94577239
Int SD	101.43300000	87.01780000	134.58600000	207.17500000	146.18200000	76.01950000	92.31650000
RelInt Mean	0.00330779	0.00012412	0.00064155	0.00006639	0.00015472	0.00013455	0.00142871
RelInt RSD	40.98023151	32.30079441	12.86939674	94.35903306	70.20256208	47.96927491	112.18791777
RelInt SD	0.00135554	0.00004009	0.00008256	0.00006265	0.00010862	0.00006454	0.00160284
Conc Mean	<-0.37939800[mg/l]	<0.00028637[mg/l]	<0.00065198[mg/l]	0.00571792[mg/l]	0.00934574[mg/l]	<0.00139149[mg/l]	<-0.00205841[mg/l]
Conc RSD	8.53589107	134.67566209	478.64718739	53.93622156	96.58036710	109.82256430	87.84693040
Conc SD	0.03238500[mg/l]	0.00038567[mg/l]	0.00312066[mg/l]	0.00308403[mg/l]	0.00902615[mg/l]	0.00152817[mg/l]	0.00180825[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	25137.8000000	7133.66000000	5682.61000000	1166630	30152300	51829.6000000	12891.4000000
Int RSD	2.97447271	1.32957837	4.72052455	0.59882739	0.76296667	0.87865042	0.96157128
Int SD	747.71700000	94.84760000	268.24900000	6986.10000000	230052	455.40100000	123.96000000
RelInt Mean	0.00007851	-0.00003519	-0.00000610	---	---	---	0.00051644
RelInt RSD	7.82034772	26.52439146	36.51977375	---	---	---	18.81189442
RelInt SD	0.00000614	0.00000934	0.00000223	---	---	---	0.00009715
Conc Mean	0.00121151[mg/l]	<-0.00321599[mg/l]	<-0.00160769[mg/l]	1161730	30105100	51865.3000000	0.00208276[mg/l]
Conc RSD	5.95412337	22.78405716	33.14189925	---	---	---	27.39854808
Conc SD	0.00007213[mg/l]	0.00073273[mg/l]	0.00053282[mg/l]	6926.18000000	229960	465.36100000	0.00057065[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	14.40580000	88.92930000	5678.27000000	44.08250000	3822.26000000	596.94100000	
Int RSD	583.42334338	31.35457043	1.61617359	12.55300856	1.22714310	1.71018576	
Int SD	84.04680000	27.88340000	91.77070000	5.53368000	46.90460000	10.20880000	
RelInt Mean	-0.00018834	-0.00067013	0.00102922	-0.00002748	-0.00038595	0.00002779	
RelInt RSD	1021.68972804	82.75939254	1.06195954	29.18285714	5.76943407	82.45173363	
RelInt SD	0.00192423	0.00055460	0.00001093	0.00000802	0.00002227	0.00002291	
Conc Mean	<0.00474132[mg/l]	<-0.00084910[mg/l]	0.00992210[mg/l]	>12.65960000[mg/l]	<-0.00165416[mg/l]	0.10015400[mg/l]	
Conc RSD	204.20347076	161.61776760	2.04702634	41.89176593	5.95519176	25.80156559	
Conc SD	0.00968194[mg/l]	0.00137229[mg/l]	0.00020311[mg/l]	5.30333000[mg/l]	0.00009851[mg/l]	0.02584130[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248202014	Caldate: 21-JUN-2023	Time: 21-JUN-2023 09:34
Cal: 483248202001		

Standards: S18548, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.022	mg/l	2	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	30136900	-15.67
Yttrium	A	1332400	1168940	-12.27
Yttrium	R	54817	49545	-9.62

Sample Name: ICSAB,S18548				Sample Type: Control Sample			
Measure Date: 2023-06-21 09:34:31			Recalculation Date:		State: Check failed		Quality: Failed Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	634173	155152	6562.02000000	4964.43000000	193257	170699	95633.1000000
Int RSD	2.47355217	0.16610550	0.49719599	1.07582139	0.37921628	0.59496541	0.26244051
Int SD	15686.60000000	257.71600000	32.62610000	53.40840000	732.86200000	1015.60000000	250.98000000
RelInt Mean	0.02038990	3.11579000	0.00015946	0.00056318	0.16267700	3.44134000	0.07887840
RelInt RSD	2.49051736	0.52226883	24.38096134	3.12721068	0.04937274	0.19015878	0.36512024
RelInt SD	0.00050781	0.01627280	0.00003888	0.00001761	0.00008032	0.00654401	0.00028800
Conc Mean	1.02860000[mg/l]	>465.05600000[mg/l]	0.00832167[mg/l]	0.00391199[mg/l]	0.52216200[mg/l]	>391.01400000[mg/l]	0.48674800[mg/l]
Conc RSD	2.49660704	0.52269189	31.91715124	6.09393173	0.04922189	0.19008092	0.36546016
Conc SD	0.02568010[mg/l]	2.43081000[mg/l]	0.00265604[mg/l]	0.00023839[mg/l]	0.00025702[mg/l]	0.74324300[mg/l]	0.00177887[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	75281.0000000	484149	41624200	-212.93200000	61660.2000000	712069	11115.1000000
Int RSD	0.26886067	2.27388676	0.74655369	51.16375181	0.62348971	0.29068391	0.33100737
Int SD	202.40100000	11009.0000000	310747	108.94400000	384.44500000	2069.87000000	36.79180000
RelInt Mean	0.06097270	0.01542790	35.75520000	-0.00348822	1.24231000	0.60641100	-0.00018099
RelInt RSD	0.58761708	2.31992040	1.09379615	37.86028404	0.41096184	0.06498348	48.49328692
RelInt SD	0.00035829	0.00035791	0.39108900	0.00132065	0.00510542	0.00039407	0.00008777
Conc Mean	0.52709700[mg/l]	0.53691200[mg/l]	>142.79000000[mg/l]	<-0.57543800[mg/l]	>438.35300000[mg/l]	0.51312300[mg/l]	<-0.00137811[mg/l]
Conc RSD	0.58767741	2.34321453	1.09378108	45.54930331	0.41083328	0.06497390	48.29984544
Conc SD	0.00309763[mg/l]	0.01258100[mg/l]	1.56181000[mg/l]	0.26210800[mg/l]	1.80090000[mg/l]	0.00033340[mg/l]	0.00066562[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	232.36800000	120356	39515.4000000	12909.1000000	8547.78000000	6783.11000000	175.76400000
Int RSD	33.92945672	0.60145485	0.50997586	0.55560264	1.52937956	0.69087483	56.66848729
Int SD	78.84120000	723.88700000	201.51900000	71.72330000	130.72800000	46.86280000	99.60280000
RelInt Mean	0.00050083	0.09988380	0.02733690	0.00012226	-0.00004000	0.00011861	0.00216902
RelInt RSD	329.70932020	0.52089728	0.59103263	75.12788006	358.01685126	21.45044346	99.98755198
RelInt SD	0.00165127	0.00052029	0.00016157	0.00009185	0.00014320	0.00002544	0.00216875
Conc Mean	<-0.44645900[mg/l]	0.95995200[mg/l]	1.02202000[mg/l]	<-0.00534792[mg/l]	<-0.00683531[mg/l]	<-0.00101417[mg/l]	<-0.00122322[mg/l]
Conc RSD	8.83630972	0.52115002	0.59295415	84.90590734	174.09159204	59.39931175	200.02043786
Conc SD	0.03945050[mg/l]	0.00500279[mg/l]	0.00606011[mg/l]	0.00454070[mg/l]	0.01189970[mg/l]	0.00060241[mg/l]	0.00244669[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	25722.8000000	7205.71000000	68231.5000000	1168940	30136900	49544.6000000	201187
Int RSD	2.27833673	0.76946200	3.31398254	0.35729721	0.47566604	0.48731850	0.53919985
Int SD	586.05200000	55.44520000	2261.18000000	4176.59000000	143351	241.44000000	1084.80000000
RelInt Mean	0.00007999	0.00001021	0.00206672	---	---	---	0.16228000
RelInt RSD	8.06480687	269.82067614	3.49829682	---	---	---	0.29562361
RelInt SD	0.00000645	0.00002754	0.00007230	---	---	---	0.00047974
Conc Mean	0.00122900[mg/l]	<0.00034524[mg/l]	0.49398400[mg/l]	1163960	30088800	49602.0000000	0.95172000[mg/l]
Conc RSD	6.16771359	626.21437965	3.49928338	---	---	---	0.29624995
Conc SD	0.00007580[mg/l]	0.00216193[mg/l]	0.01728590[mg/l]	4171.06000000	143271	230.77500000	0.00281947[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	2995.24000000	126.99200000	5789.32000000	48.26380000	306325	562.01800000	
Int RSD	3.00821637	43.74385788	0.80333960	19.41048985	0.10019489	1.04331178	
Int SD	90.10330000	55.55120000	46.50790000	9.36824000	306.92200000	5.86360000	
RelInt Mean	0.05972510	0.00046066	0.00100201	-0.00003069	0.25914800	-0.00000886	
RelInt RSD	3.62783821	218.85148394	5.24971807	31.84767733	0.30938614	195.91514578	
RelInt SD	0.00216673	0.00100817	0.00005260	0.00000977	0.00080177	0.00001735	
Conc Mean	0.30620200[mg/l]	<0.00194893[mg/l]	0.00944667[mg/l]	>10.53390000[mg/l]	1.03828000[mg/l]	0.05882490[mg/l]	
Conc RSD	3.56042743	127.99844017	9.43055066	61.36967315	0.30860269	33.26601490	
Conc SD	0.01090210[mg/l]	0.00249460[mg/l]	0.00089087[mg/l]	6.46462000[mg/l]	0.00320416[mg/l]	0.01956870[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248202037	File: met06_master011
Cal: 483248202001	Time: 21-JUN-2023 10:51
Caldate: 21-JUN-2023	

Standards: S18532, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0122	0.0278	1.000	1.071	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	33925400	-5.07
Yttrium	A	1332400	1363450	2.33
Yttrium	R	54817	50044	-8.71

Sample Name: CCV,S18532 Sample Type: Control Sample

Measure Date: 2023-06-21 10:51:42 Recalculation Date: State: Check failed Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	345402	302.51700000	21816.6000000	102981	449695	23213.7000000	227148
Int RSD	3.44940099	28.90769775	0.30115738	0.28758412	0.19567107	1.25425934	0.36222815
Int SD	11914.3000000	87.45070000	65.70230000	296.15700000	879.92300000	291.16000000	822.79400000
RelInt Mean	0.00964480	0.00243538	0.01509180	0.07396130	0.32856800	0.46410300	0.16482800
RelInt RSD	3.70306279	70.10240702	0.16403544	0.39900867	0.32497383	1.26989483	0.42908668
RelInt SD	0.00035715	0.00170726	0.00002476	0.00029511	0.00106776	0.00589362	0.00070725
Conc Mean	0.48524700[mg/l]	<0.10172700[mg/l]	1.02867000[mg/l]	0.99742200[mg/l]	1.05128000[mg/l]	52.87710000[mg/l]	1.01580000[mg/l]
Conc RSD	3.72198076	250.63749054	0.16391554	0.40059774	0.32529298	1.26592230	0.42514570
Conc SD	0.01806080[mg/l]	0.25496600[mg/l]	0.00168615[mg/l]	0.00399565[mg/l]	0.00341974[mg/l]	0.66938300[mg/l]	0.00431863[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	161699	959698	371220	12413.8000000	6648.36000000	1676980	181326
Int RSD	0.39246068	3.23205842	0.34911912	1.05672719	1.27271538	0.30861907	0.40609400
Int SD	634.60500000	31018.0000000	1296.00000000	131.18000000	84.61470000	5175.48000000	736.35400000
RelInt Mean	0.11682600	0.02772260	0.27072700	0.24845500	0.13267200	1.23108000	0.13203400
RelInt RSD	0.43388372	3.35495588	0.33510252	0.43406251	1.47540551	0.32908909	0.46896708
RelInt SD	0.00050689	0.00093008	0.00090721	0.00107845	0.00195745	0.00405135	0.00061920
Conc Mean	1.00998000[mg/l]	0.96905300[mg/l]	1.08039000[mg/l]	49.42760000[mg/l]	46.93650000[mg/l]	1.04195000[mg/l]	1.00133000[mg/l]
Conc RSD	0.43413929	3.37345842	0.33552421	0.43303944	1.47102362	0.32874322	0.46859277
Conc SD	0.00438472[mg/l]	0.03269060[mg/l]	0.00362497[mg/l]	0.21404100[mg/l]	0.69044700[mg/l]	0.00342534[mg/l]	0.00469216[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	107628	150783	40821.4000000	29938.2000000	18381.3000000	299429	48308.2000000
Int RSD	0.16914279	0.54004828	0.62346710	0.46334783	1.00180618	0.46958043	0.50013662
Int SD	182.04500000	814.30100000	254.50800000	138.71800000	184.14500000	1406.06000000	241.60700000
RelInt Mean	2.14268000	0.10858000	0.02779130	0.02058220	0.01248820	0.21931200	0.96271800
RelInt RSD	0.56051767	0.60106649	0.60135006	0.58158506	0.92425650	0.54727056	0.53306264
RelInt SD	0.01201010	0.00065264	0.00016712	0.00011970	0.00011542	0.00120023	0.00513189
Conc Mean	50.73250000[mg/l]	1.04362000[mg/l]	1.07128000[mg/l]	1.01008000[mg/l]	1.03428000[mg/l]	5.19088000[mg/l]	1.08243000[mg/l]
Conc RSD	0.56574385	0.60139898	0.59576115	0.58148067	0.92770720	0.54754300	0.53507386
Conc SD	0.28701600[mg/l]	0.00627632[mg/l]	0.00638227[mg/l]	0.00587342[mg/l]	0.00959509[mg/l]	0.02842230[mg/l]	0.00579180[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	3037510	20277.4000000	146072	1363450	33925400	50044.1000000	251513
Int RSD	2.81648455	0.20775494	3.45886960	0.12604863	0.14352521	0.81899964	0.39842076
Int SD	85551.0000000	42.12730000	5052.44000000	1718.61000000	48691.5000000	409.86100000	1002.08000000
RelInt Mean	0.08887830	0.01391350	0.00419332	---	---	---	0.18350100
RelInt RSD	2.91202690	0.20196859	3.60733261	---	---	---	0.45273432
RelInt SD	0.00258816	0.00002810	0.00015127	---	---	---	0.00083077
Conc Mean	1.04457000[mg/l]	1.08591000[mg/l]	1.00204000[mg/l]	1359530	33885600	50088.6000000	1.07609000[mg/l]
Conc RSD	2.91123620	0.19476936	3.60913736	---	---	---	0.45275023
Conc SD	0.03040990[mg/l]	0.00211502[mg/l]	0.03616500[mg/l]	1722.53000000	48468.7000000	361.80600000	0.00487200[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8745.60000000	18939.7000000	439776	-29.95360000	345485	6876.88000000	
Int RSD	0.77363246	0.98219085	0.04317835	13.97204343	0.12433564	0.72646607	
Int SD	67.65880000	186.02400000	189.88800000	4.18513000	429.56100000	49.95820000	
RelInt Mean	0.17425200	0.37518700	0.32118500	-0.00003464	0.25176100	0.00503084	
RelInt RSD	1.73268026	0.63052558	0.16972835	20.53675367	0.24743705	0.82594159	
RelInt SD	0.00301923	0.00236565	0.00054514	0.00000711	0.00062295	0.00004155	
Conc Mean	0.88245500[mg/l]	0.92916300[mg/l]	5.49928000[mg/l]	>7.92310000[mg/l]	1.00497000[mg/l]	5.74283000[mg/l]	
Conc RSD	1.72153821	0.63002509	0.16942436	59.38092413	0.24899649	0.81602799	
Conc SD	0.01519180[mg/l]	0.00585396[mg/l]	0.00931712[mg/l]	4.70481000[mg/l]	0.00250234[mg/l]	0.04686310[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248202038	Caldate: 21-JUN-2023	Time: 21-JUN-2023 10:54
Cal: 483248202001		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	36692800	2.68
Yttrium	A	1332400	1458830	9.49
Yttrium	R	54817	51669	-5.74

Sample Name: CCB,1 Sample Type: Control Sample

Measure Date: 2023-06-21 10:54:57 Recalculation Date: State: Checked Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	18455.9000000	94.95910000	1042.54000000	2332.81000000	2622.20000000	-85.21860000	2397.55000000
Int RSD	0.44149730	64.51219525	0.47178526	1.19499231	1.41494547	81.07302866	0.74990303
Int SD	81.48230000	61.26020000	4.91855000	27.87690000	37.10270000	69.08930000	17.97930000
RelInt Mean	0.00004746	0.00108995	0.00003111	0.00025002	0.00012140	-0.00189875	0.00007508
RelInt RSD	15.24994311	49.13289600	27.38121337	7.78737241	18.64707917	33.49556287	21.39122119
RelInt SD	0.00000724	0.00053552	0.00000852	0.00001947	0.00002264	0.00063600	0.00001606
Conc Mean	<0.00006824[mg/l]	<0.09920210[mg/l]	<0.00001274[mg/l]	<0.00032681[mg/l]	<0.00008242[mg/l]	<0.04844500[mg/l]	<0.00004231[mg/l]
Conc RSD	536.36247734	80.61916028	4570.31397174	80.64257520	88.28127085	149.10269378	233.94635273
Conc SD	0.00036601[mg/l]	0.07997590[mg/l]	0.00058226[mg/l]	0.00026355[mg/l]	0.00007276[mg/l]	0.07223280[mg/l]	0.00009898[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	2015.23000000	21442.9000000	5194.50000000	-226.39600000	40.66920000	2970.81000000	1545.09000000
Int RSD	1.30610898	0.38416026	6.88532101	34.35568650	158.37636344	1.26359814	1.38458601
Int SD	26.32110000	82.37510000	357.65800000	77.77990000	64.41040000	37.53910000	21.39310000
RelInt Mean	0.00000777	0.00015123	0.00177706	-0.00269437	0.00039187	0.00032961	0.00005559
RelInt RSD	278.50608755	4.06681302	13.89863032	51.16743432	190.76776245	8.04468918	17.73370345
RelInt SD	0.00002164	0.00000615	0.00024699	0.00137864	0.00074755	0.00002652	0.00000986
Conc Mean	<0.00002158[mg/l]	<0.00004269[mg/l]	0.00631416[mg/l]	<0.41788500[mg/l]	<0.27590400[mg/l]	<0.00003460[mg/l]	<0.00041605[mg/l]
Conc RSD	866.88230442	506.41988207	15.62155536	65.47662634	95.57454767	64.86987129	17.96841237
Conc SD	0.00018707[mg/l]	0.00021618[mg/l]	0.00098637[mg/l]	0.27361700[mg/l]	0.26369400[mg/l]	0.00002245[mg/l]	0.00007476[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	677.76000000	2587.71000000	2262.81000000	1685.39000000	1200.47000000	1423.40000000	84.74820000
Int RSD	2.48503895	0.94498997	0.16356919	4.11059755	0.71036594	9.84754812	28.08578825
Int SD	16.84260000	24.45360000	3.70126000	69.27960000	8.52773000	140.17000000	23.80220000
RelInt Mean	0.00927558	0.00008100	-0.00024678	0.00005273	0.00004569	0.00030743	-0.00044748
RelInt RSD	7.74448606	26.72038438	2.11307688	85.00566114	30.22187397	31.56190433	339.49226781
RelInt SD	0.00071835	0.00002164	0.00000521	0.00004482	0.00001381	0.00009703	0.00151916
Conc Mean	<0.23682100[mg/l]	<0.00012838[mg/l]	<0.00138960[mg/l]	0.00501556[mg/l]	<0.00028524[mg/l]	0.00548476[mg/l]	<0.000417503[mg/l]
Conc RSD	7.24678132	162.17986665	14.47438112	44.01323083	402.28232861	41.88679176	41.04976491
Conc SD	0.01716190[mg/l]	0.00020821[mg/l]	0.00020114[mg/l]	0.00220751[mg/l]	0.00114745[mg/l]	0.00229739[mg/l]	0.00171384[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	26422.6000000	1053.24000000	3237.36000000	1458830	36692800	51669.4000000	1781.19000000
Int RSD	1.46819011	0.65221982	3.81693726	0.16466415	0.35697739	0.35262844	0.88762569
Int SD	387.93400000	6.86944000	123.56800000	2402.17000000	130985	182.20100000	15.81030000
RelInt Mean	0.00017344	0.00001206	0.00000366	---	---	---	0.00014102
RelInt RSD	7.71209308	29.68124881	60.69449686	---	---	---	6.40532261
RelInt SD	0.00001338	0.00000358	0.00000222	---	---	---	0.00000903
Conc Mean	0.00232692[mg/l]	<0.00048345[mg/l]	<0.00072447[mg/l]	1455270	36653700	51731.9000000	<0.00012434[mg/l]
Conc RSD	6.75394943	58.06574386	73.23902058	---	---	---	42.62968682
Conc SD	0.00015716[mg/l]	0.00028072[mg/l]	0.00053059[mg/l]	2385.21000000	131175	147.81100000	0.00005300[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	19.19650000	91.29650000	3056.29000000	-44.45520000	2445.00000000	-69.77670000	
Int RSD	271.68650535	96.64839287	1.12023401	45.72086055	0.60565235	9.57534535	
Int SD	52.15430000	88.23660000	34.23760000	20.32530000	14.80820000	6.68136000	
RelInt Mean	-0.00112675	-0.00090682	0.00066340	-0.00003579	0.00005382	-0.00004645	
RelInt RSD	97.97293100	189.02863318	5.54295723	33.33426480	22.83054031	5.36101716	
RelInt SD	0.00010391	0.00171414	0.00003677	0.00001193	0.00001229	0.00000249	
Conc Mean	<0.00001960[mg/l]	<0.00143473[mg/l]	0.00357676[mg/l]	>7.16265000[mg/l]	<0.00013977[mg/l]	0.01642390[mg/l]	
Conc RSD	28338.7755102	295.62565779	17.67985551	110.15797226	36.10675882	17.10087129	
Conc SD	0.00555440[mg/l]	0.00424143[mg/l]	0.00063237[mg/l]	7.89023000[mg/l]	0.00005047[mg/l]	0.00280863[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248202049	File: met06_master011
Cal: 483248202001	Time: 21-JUN-2023 11:34
Caldate: 21-JUN-2023	

Standards: S18532, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0122	0.0282	1.000	1.087	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	35174300	-1.57
Yttrium	A	1332400	1451350	8.93
Yttrium	R	54817	50223	-8.38

Sample Name: CCV,S18532 Sample Type: Control Sample

Measure Date: 2023-06-21 11:34:49 Recalculation Date: State: Check failed Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	360706	274.23500000	23314.4000000	110837	478169	23668.0000000	242691
Int RSD	2.84275837	10.21364888	0.84084514	0.36970416	0.16273849	2.86571742	0.24199249
Int SD	10254.0000000	28.00940000	196.03800000	409.76900000	778.16500000	678.25800000	587.29400000
RelInt Mean	0.00967700	0.00213354	0.01506830	0.07461440	0.32804900	0.47122300	0.16529800
RelInt RSD	3.26300506	24.68010911	0.75015762	0.44324152	0.40891147	1.29171751	0.53783893
RelInt SD	0.00031576	0.00052656	0.00011304	0.00033072	0.00134143	0.00608687	0.00088904
Conc Mean	0.48687500[mg/l]	<0.05665060[mg/l]	1.02706000[mg/l]	1.00626000[mg/l]	1.04961000[mg/l]	53.68580000[mg/l]	1.01873000[mg/l]
Conc RSD	3.27954814	138.81053334	0.75244290	0.44446565	0.41038672	1.28767570	0.53509860
Conc SD	0.01596730[mg/l]	0.07863700[mg/l]	0.00772804[mg/l]	0.00447248[mg/l]	0.00430746[mg/l]	0.69129900[mg/l]	0.00545121[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	171514	986078	384520	11996.4000000	6586.12000000	1788570	192796
Int RSD	0.32167170	3.02348293	0.09086679	2.95534494	5.26996168	0.18224280	0.24146507
Int SD	551.71200000	29813.9000000	349.40100000	354.53500000	347.08600000	3259.54000000	465.53500000
RelInt Mean	0.11625100	0.02743750	0.26322300	0.23960900	0.13095700	1.23355000	0.13176600
RelInt RSD	0.15317288	3.37827426	0.26579668	1.53667433	4.49711737	0.42214989	0.13770244
RelInt SD	0.00017807	0.00092691	0.00069964	0.00368201	0.00588929	0.00520743	0.00018144
Conc Mean	1.00501000[mg/l]	0.95903100[mg/l]	1.05042000[mg/l]	47.67190000[mg/l]	46.33180000[mg/l]	1.04404000[mg/l]	0.99929200[mg/l]
Conc RSD	0.15328106	3.39718945	0.26576322	1.53284430	4.48365917	0.42164285	0.13772751
Conc SD	0.00154049[mg/l]	0.03258010[mg/l]	0.00279163[mg/l]	0.73073600[mg/l]	2.07736000[mg/l]	0.00440212[mg/l]	0.00137630[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	106834	161775	44345.3000000	31392.1000000	19864.1000000	323311	47200.3000000
Int RSD	0.94790048	0.18536609	0.63007579	0.69911538	0.83946919	0.31041319	2.19026150
Int SD	1012.68000000	299.87600000	279.40900000	219.46700000	166.75300000	1003.60000000	1033.81000000
RelInt Mean	2.11946000	0.10926800	0.02820870	0.02010500	0.01257570	0.22241600	0.93601400
RelInt RSD	0.79842035	0.37934253	0.38872759	0.89789107	0.64030790	0.19503318	0.82434985
RelInt SD	0.01692220	0.00041450	0.00010966	0.00018052	0.00008052	0.00043379	0.00771603
Conc Mean	50.17780000[mg/l]	1.05023000[mg/l]	1.08725000[mg/l]	0.98661200[mg/l]	1.04155000[mg/l]	5.26440000[mg/l]	1.05230000[mg/l]
Conc RSD	0.80576470	0.37991678	0.38600230	0.90026576	0.64220345	0.19491680	0.82725934
Conc SD	0.40431500[mg/l]	0.00399000[mg/l]	0.00419681[mg/l]	0.00888213[mg/l]	0.00668887[mg/l]	0.01026120[mg/l]	0.00870525[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	3100550	21590.2000000	153489	1451350	35174300	50222.7000000	279262
Int RSD	2.71844995	0.36510546	2.66838666	0.34852999	0.37268688	1.69483321	0.46856357
Int SD	84286.9000000	78.82700000	4095.68000000	5058.39000000	131090	851.19100000	1308.52000000
RelInt Mean	0.08746050	0.01380680	0.00423839	---	---	---	0.19137800
RelInt RSD	3.07550266	0.36148564	2.98993250	---	---	---	0.65878001
RelInt SD	0.00268985	0.00004991	0.00012673	---	---	---	0.00126076
Conc Mean	1.02791000[mg/l]	1.07758000[mg/l]	1.01282000[mg/l]	1446900	35131300	50267.8000000	1.12235000[mg/l]
Conc RSD	3.07452987	0.36514876	2.99140025	---	---	---	0.65960707
Conc SD	0.03160340[mg/l]	0.00393477[mg/l]	0.03029750[mg/l]	5039.19000000	130883	840.07900000	0.00740310[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8667.86000000	18316.6000000	467865	-38.27600000	371418	7264.68000000	
Int RSD	5.04695507	4.24345130	0.43005782	25.17162190	0.15129423	0.56384452	
Int SD	437.46300000	777.25600000	2012.09000000	9.63469000	561.93400000	40.96150000	
RelInt Mean	0.17104500	0.36075000	0.32086300	-0.00003500	0.25414700	0.00499724	
RelInt RSD	3.12495542	2.80058212	0.33378108	16.32049513	0.37671033	0.32288823	
RelInt SD	0.00534508	0.01010310	0.00107098	0.00000571	0.00095740	0.00001614	
Conc Mean	0.86632000[mg/l]	0.89344200[mg/l]	5.49378000[mg/l]	7.68426000[mg/l]	1.01454000[mg/l]	5.70494000[mg/l]	
Conc RSD	3.10440715	2.79803278	0.33580886	49.16439579	0.37940446	0.31894113	
Conc SD	0.02689410[mg/l]	0.02499880[mg/l]	0.01844860[mg/l]	3.77792000[mg/l]	0.00384921[mg/l]	0.01819540[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248202050	Caldate: 21-JUN-2023	Time: 21-JUN-2023 11:38
Cal: 483248202001		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	37462700	4.83
Yttrium	A	1332400	1511070	13.41
Yttrium	R	54817	52422	-4.37

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2023-06-21 11:38:04			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	20563.4000000	74.75850000	1210.10000000	4632.43000000	3033.61000000	-90.97090000	2782.70000000
Int RSD	1.46908099	105.06363825	5.92615486	0.96920191	0.46815840	67.29701476	0.64225752
Int SD	302.09300000	78.54400000	71.71240000	44.89760000	14.20210000	61.22070000	17.87210000
RelInt Mean	0.00005284	0.00115589	0.00004396	0.00154117	0.00012859	-0.00178264	0.00007065
RelInt RSD	1.71720918	133.63122789	83.92019927	1.78066015	10.81070993	57.20111744	27.02156840
RelInt SD	0.00000091	0.00154463	0.00003689	0.00002744	0.00001390	0.00101969	0.00001909
Conc Mean	<0.00020384[mg/l]	<0.08935400[mg/l]	<0.00089115[mg/l]	0.01715000[mg/l]	<0.00010452[mg/l]	<0.03525890[mg/l]	<0.00001439[mg/l]
Conc RSD	22.51119756	258.16191777	282.98617735	2.16593003	42.99431677	328.45891392	820.33985439
Conc SD	0.00004589[mg/l]	0.23067800[mg/l]	0.00252182[mg/l]	0.00037146[mg/l]	0.00004494[mg/l]	0.11581100[mg/l]	0.00011808[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	2353.86000000	23341.6000000	4276.90000000	-262.95700000	37.75800000	3340.14000000	1842.47000000
Int RSD	1.10998105	1.07889776	6.90483762	47.53971182	278.03379416	1.18789931	2.01048050
Int SD	26.12740000	251.83200000	295.31300000	125.00900000	104.98000000	39.67750000	37.04250000
RelInt Mean	0.00002181	0.00015487	0.00084289	-0.00431990	0.00088914	0.00032058	0.00009091
RelInt RSD	39.89652058	1.90579780	23.73004621	54.55427209	226.51913818	10.11772302	22.84655812
RelInt SD	0.00000870	0.00000295	0.00020002	0.00235669	0.00201407	0.00003244	0.00002077
Conc Mean	<0.00014298[mg/l]	<0.00008530[mg/l]	0.00258345[mg/l]	<0.74050100[mg/l]	<0.45131400[mg/l]	<0.00002696[mg/l]	0.00068397[mg/l]
Conc RSD	52.61742901	121.62133646	30.91950686	63.16399303	157.41811688	101.84144645	23.03046341
Conc SD	0.00007523[mg/l]	0.00010374[mg/l]	0.00079879[mg/l]	0.46773000[mg/l]	0.71045000[mg/l]	0.00002746[mg/l]	0.00015752[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	3245.88000000	2971.46000000	2661.91000000	1986.34000000	1390.81000000	1664.64000000	133.58600000
Int RSD	1.66783430	0.72530339	1.02063932	4.16916037	1.26181146	9.53329248	25.75292321
Int SD	54.13590000	21.55210000	27.16850000	82.81370000	17.54940000	158.69500000	34.40230000
RelInt Mean	0.05728590	0.00006262	-0.00021724	0.00008052	0.00002706	0.00035149	0.00029805
RelInt RSD	3.77454138	17.26434091	9.86788744	72.56031447	19.55098994	31.10910063	313.07948075
RelInt SD	0.00216228	0.00001081	0.00002144	0.00005842	0.00000529	0.00010935	0.00093312
Conc Mean	0.91019600[mg/l]	<0.00030520[mg/l]	<0.00025982[mg/l]	0.00638328[mg/l]	<0.00126301[mg/l]	0.00652811[mg/l]	<0.00333397[mg/l]
Conc RSD	5.67557977	34.07743800	313.82979952	45.06820945	34.80613772	39.65941138	31.57526912
Conc SD	0.05165890[mg/l]	0.00010400[mg/l]	0.00081540[mg/l]	0.00287683[mg/l]	0.00043960[mg/l]	0.00258901[mg/l]	0.00105271[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	29389.6000000	1226.93000000	3689.91000000	1511070	37462700	52421.5000000	1995.20000000
Int RSD	0.82061001	2.57500428	1.75808624	0.30739542	0.62975440	0.96133075	1.93309443
Int SD	241.17400000	31.59350000	64.87180000	4644.96000000	235923	503.94400000	38.56910000
RelInt Mean	0.00020199	0.00001121	0.00000353	---	---	---	0.00010275
RelInt RSD	5.10520323	136.90170254	51.38570482	---	---	---	44.16048662
RelInt SD	0.00001031	0.00001534	0.00000182	---	---	---	0.00004537
Conc Mean	0.00266239[mg/l]	<0.00041473[mg/l]	<0.00069490[mg/l]	1507020	37421100	52518.8000000	<0.00034913[mg/l]
Conc RSD	4.55083590	290.34723712	62.47481638	---	---	---	76.31891754
Conc SD	0.00012116[mg/l]	0.00120416[mg/l]	0.00043414[mg/l]	4628.98000000	235874	450.84400000	0.00026645[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	23.24270000	158.51300000	3372.76000000	-33.39700000	2821.41000000	-59.91300000	
Int RSD	504.95424370	15.36195769	0.88946738	24.95550499	0.85267650	16.07587669	
Int SD	117.36500000	24.35070000	29.99960000	8.33439000	24.05750000	9.63154000	
RelInt Mean	-0.00098112	-0.00004220	0.00060494	-0.00002978	0.00004469	-0.00004184	
RelInt RSD	66.10448660	1218.67468595	6.17290971	23.07215526	45.69120609	17.57192873	
RelInt SD	0.00064856	0.00051426	0.00003734	0.00000687	0.00002042	0.00000735	
Conc Mean	<0.00075233[mg/l]	<0.00070465[mg/l]	0.00256419[mg/l]	>11.13310000[mg/l]	<0.00010000[mg/l]	0.02162010[mg/l]	
Conc RSD	433.76062696	180.58056780	24.95739395	40.82492747	86.85579485	38.35634433	
Conc SD	0.00326332[mg/l]	0.00127247[mg/l]	0.00063995[mg/l]	4.54508000[mg/l]	0.00008686[mg/l]	0.00829268[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248202063	File: met06_master011
Cal: 483248202001	Time: 21-JUN-2023 12:22
Caldate: 21-JUN-2023	

Standards: S18532, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0122	0.0285	1.000	1.100	mg/l	10	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	35774800	0.11
Yttrium	A	1332400	1468790	10.24
Yttrium	R	54817	51488	-6.07

Sample Name: CCV,S18532 Sample Type: Control Sample

Measure Date: 2023-06-21 12:22:58 Recalculation Date: State: Check failed Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	364188	287.58700000	23791.8000000	109887	486622	24356.7000000	248329
Int RSD	3.11506694	21.91580287	0.76066124	0.24085106	0.25767433	1.65346701	0.36906402
Int SD	11344.7000000	63.02700000	180.97500000	264.66400000	1253.90000000	402.73000000	916.49300000
RelInt Mean	0.00960406	0.00270934	0.01524570	0.07314160	0.32998500	0.47236000	0.16722800
RelInt RSD	3.78149449	59.98324315	0.61356448	0.27111247	0.41929482	0.55962613	0.37200409
RelInt SD	0.00036318	0.00162515	0.00009354	0.00019830	0.00138361	0.00264345	0.00062209
Conc Mean	0.48318600[mg/l]	<0.14264100[mg/l]	1.03918000[mg/l]	0.98632600[mg/l]	1.05581000[mg/l]	53.81500000[mg/l]	1.03067000[mg/l]
Conc RSD	3.80085516	170.14953625	0.61507823	0.27212301	0.41879031	0.55792995	0.37253340
Conc SD	0.01836520[mg/l]	0.24270300[mg/l]	0.00639177[mg/l]	0.00268402[mg/l]	0.00442163[mg/l]	0.30025000[mg/l]	0.00383959[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	175002	998155	399103	12521.3000000	6850.01000000	1818410	196192
Int RSD	0.19269437	3.10831484	0.36604836	1.61170166	1.68315083	0.24674248	0.35963342
Int SD	337.21900000	31025.8000000	1460.91000000	201.80600000	115.29600000	4486.79000000	705.57200000
RelInt Mean	0.11730100	0.02730500	0.27010100	0.24368700	0.13242300	1.23928000	0.13255900
RelInt RSD	0.32977980	3.58913386	0.39193857	0.47295096	1.96915188	0.42789604	0.81680610
RelInt SD	0.00038683	0.00098001	0.00105863	0.00115252	0.00260761	0.00530283	0.00108275
Conc Mean	1.01409000[mg/l]	0.95437400[mg/l]	1.07789000[mg/l]	48.48110000[mg/l]	46.84900000[mg/l]	1.04888000[mg/l]	1.00531000[mg/l]
Conc RSD	0.32986717	3.60926639	0.39221442	0.47187667	1.96336101	0.42775723	0.81661676
Conc SD	0.00334515[mg/l]	0.03444590[mg/l]	0.00422764[mg/l]	0.22877100[mg/l]	0.91981500[mg/l]	0.00448666[mg/l]	0.00820953[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	110134	165010	45213.6000000	31514.3000000	20264.4000000	330580	48934.1000000
Int RSD	0.58177220	0.25977880	0.84077136	0.50259089	0.61277413	0.13341430	1.14235267
Int SD	640.72900000	428.66100000	380.14300000	158.38800000	124.17500000	441.04100000	559.00000000
RelInt Mean	2.12903000	0.11023400	0.02853690	0.01999570	0.01273780	0.22475900	0.94699800
RelInt RSD	0.88493351	0.32032222	1.21922844	1.01401301	0.62488734	0.43317198	1.23575763
RelInt SD	0.01884050	0.00035310	0.00034793	0.00020276	0.00007960	0.00097359	0.01170260
Conc Mean	50.40620000[mg/l]	1.05952000[mg/l]	1.09980000[mg/l]	0.98117400[mg/l]	1.05502000[mg/l]	5.31986000[mg/l]	1.06469000[mg/l]
Conc RSD	0.89302110	0.32018272	1.21051100	1.01576886	0.62706584	0.43330652	1.23980689
Conc SD	0.45013800[mg/l]	0.00339240[mg/l]	0.01331320[mg/l]	0.00996646[mg/l]	0.00661567[mg/l]	0.02305130[mg/l]	0.01320010[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	3120050	21948.2000000	155365	1468790	35774800	51488.3000000	287303
Int RSD	2.23063733	0.50775918	2.53896952	0.50249593	0.41904078	1.45654450	0.10788262
Int SD	69597.0000000	111.44400000	3944.67000000	7380.61000000	149911	749.95000000	309.95000000
RelInt Mean	0.08652220	0.01391450	0.00421944	---	---	---	0.19463100
RelInt RSD	2.66963854	0.14938086	3.07348843	---	---	---	0.55875477
RelInt SD	0.00230983	0.00002079	0.00012968	---	---	---	0.00108751
Conc Mean	1.01689000[mg/l]	1.08604000[mg/l]	1.00828000[mg/l]	1464400	35731000	51579.2000000	1.14144000[mg/l]
Conc RSD	2.66908909	0.15442249	3.07485024	---	---	---	0.55948977
Conc SD	0.02714170[mg/l]	0.00167709[mg/l]	0.03100310[mg/l]	7362.12000000	149760	767.67000000	0.00638624[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8986.84000000	19049.5000000	478294	-33.65750000	379246	7286.48000000	
Int RSD	2.08479287	0.83217407	0.47634091	15.77294808	0.16871556	0.33820583	
Int SD	187.35700000	158.52500000	2278.31000000	5.30878000	639.84700000	24.64330000	
RelInt Mean	0.17433300	0.36567500	0.32423600	-0.00003137	0.25652800	0.00494909	
RelInt RSD	1.17244584	0.83561359	0.28248405	16.02363121	0.51677400	0.75424169	
RelInt SD	0.00204396	0.00305563	0.00091592	0.00000503	0.00132567	0.00003733	
Conc Mean	0.88286400[mg/l]	0.90562800[mg/l]	5.55172000[mg/l]	>10.08650000[mg/l]	1.02403000[mg/l]	5.65063000[mg/l]	
Conc RSD	1.16476603	0.83487260	0.28400568	32.95751747	0.51793893	0.74507621	
Conc SD	0.01028330[mg/l]	0.00756084[mg/l]	0.01576720[mg/l]	3.32426000[mg/l]	0.00530385[mg/l]	0.04210150[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248202064	Caldate: 21-JUN-2023	Time: 21-JUN-2023 12:26
Cal: 483248202001		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	35735800	38255200	7.05
Yttrium	A	1332400	1545480	15.99
Yttrium	R	54817	52924	-3.45

Sample Name: CCB,1				Sample Type: Control Sample			
Measure Date: 2023-06-21 12:26:12			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	20916.9000000	117.82700000	1162.39000000	3164.14000000	2956.60000000	-128.18600000	2711.56000000
Int RSD	1.94069389	5.31329831	2.31916999	1.03342456	0.69109450	28.28155961	1.34292068
Int SD	405.93300000	6.26050000	26.95780000	32.69900000	20.43290000	36.25300000	36.41410000
RelInt Mean	0.00005064	0.00165117	0.00002616	0.00057915	0.00013026	-0.00291058	0.00006883
RelInt RSD	5.89834571	37.56324303	47.53972410	3.47959265	5.30758838	87.59834810	14.03370844
RelInt SD	0.00000299	0.00062023	0.00001244	0.00002015	0.00000691	0.00254962	0.00000966
Conc Mean	<0.00009263[mg/l]	<0.01538900[mg/l]	<0.00032549[mg/l]	0.00412826[mg/l]	<0.00010968[mg/l]	<0.16336300[mg/l]	<0.00000379[mg/l]
Conc RSD	163.06592525	601.90200793	261.18945357	6.60755379	19.58678666	177.25555970	1576.82151176
Conc SD	0.00015105[mg/l]	0.09262670[mg/l]	0.00085016[mg/l]	0.00027278[mg/l]	0.00002148[mg/l]	0.28957000[mg/l]	0.00005977[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	2306.50000000	23641.3000000	6883.42000000	-155.83200000	8.57859000	3267.22000000	1802.65000000
Int RSD	0.79245610	2.35428255	9.22895886	13.06676421	166.64626704	1.45622578	2.73256594
Int SD	18.27800000	556.58300000	635.26800000	20.36220000	14.29590000	47.57810000	49.25860000
RelInt Mean	0.00001980	0.00015183	0.00255384	-0.00217876	-0.00019260	0.00031193	0.00009875
RelInt RSD	35.35485175	5.53419659	15.65329073	50.35708385	678.66395983	7.85642153	33.05000304
RelInt SD	0.00000700	0.00000840	0.00039976	0.00109716	0.00130710	0.00002451	0.00003264
Conc Mean	<0.00012557[mg/l]	<0.00002160[mg/l]	0.00941632[mg/l]	<0.31555300[mg/l]	<0.06973860[mg/l]	<0.00001963[mg/l]	0.00074344[mg/l]
Conc RSD	48.19108524	1367.55370133	16.95439407	69.00679125	661.13601363	105.66624902	33.29490810
Conc SD	0.00006051[mg/l]	0.00029534[mg/l]	0.00159648[mg/l]	0.21775300[mg/l]	0.46106700[mg/l]	0.00002075[mg/l]	0.00024753[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	2940.72000000	2921.99000000	2574.79000000	1936.00000000	1355.95000000	1687.44000000	149.45700000
Int RSD	5.35736146	0.15172331	1.44493726	3.45774793	2.27312217	11.18421988	24.48791291
Int SD	157.54500000	4.43334000	37.20410000	66.94200000	30.82240000	188.72700000	36.59890000
RelInt Mean	0.05100510	0.00007921	-0.00021595	0.00008509	0.00002616	0.00037209	0.00078195
RelInt RSD	2.77329130	2.03947169	10.01805949	55.96707625	52.27712326	31.47653947	27.70504697
RelInt SD	0.00141452	0.00000162	0.00002163	0.00004762	0.00001368	0.00011712	0.00021664
Conc Mean	0.76014000[mg/l]	<0.00014563[mg/l]	<0.00021509[mg/l]	0.00660882[mg/l]	<0.00133756[mg/l]	0.00701589[mg/l]	<0.000278804[mg/l]
Conc RSD	4.44586524	10.67157876	384.79594968	35.49256902	84.96665570	39.52641789	8.76626591
Conc SD	0.03379480[mg/l]	0.00001554[mg/l]	0.00082767[mg/l]	0.00234564[mg/l]	0.00113648[mg/l]	0.00277313[mg/l]	0.00024441[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	28650.3000000	1200.60000000	3724.36000000	1545480	38255200	52924.4000000	1976.78000000
Int RSD	3.59929913	0.79699983	2.89875307	0.79561043	0.71234760	0.64889541	0.69265169
Int SD	1031.21000000	9.56878000	107.96000000	12296.0000000	272510	343.42400000	13.69220000
RelInt Mean	0.00016775	0.00000522	0.00000331	---	---	---	0.00012737
RelInt RSD	11.78512880	195.09956816	28.62623321	---	---	---	3.32353495
RelInt SD	0.00001977	0.00001018	0.00000095	---	---	---	0.00000423
Conc Mean	0.00226005[mg/l]	<0.00005418[mg/l]	<0.00064161[mg/l]	1541500	38212400	52972.7000000	<0.00020456[mg/l]
Conc RSD	10.27786996	1475.89030425	35.32825032	---	---	---	12.13896032
Conc SD	0.00023228[mg/l]	0.00079957[mg/l]	0.00022667[mg/l]	12312.9000000	272503	383.28400000	0.00002483[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	46.24910000	56.55650000	3305.62000000	-36.07150000	2745.19000000	-68.38580000	
Int RSD	239.24141227	75.81321334	1.17238521	24.32288649	0.95379919	18.08504105	
Int SD	110.64700000	42.87730000	38.75460000	8.77363000	26.18360000	12.36760000	
RelInt Mean	-0.00025296	-0.00138773	0.00059300	-0.00003056	0.00004001	-0.00004649	
RelInt RSD	750.51786025	55.59835126	2.23907453	32.32185683	39.66429616	21.01141479	
RelInt SD	0.00189854	0.00077156	0.00001328	0.00000988	0.00001587	0.00000977	
Conc Mean	<0.00441613[mg/l]	<0.00262471[mg/l]	0.00235720[mg/l]	>10.61650000[mg/l]	<0.00008566[mg/l]	0.01637710[mg/l]	
Conc RSD	216.31315201	72.73641659	9.46996436	61.54749682	72.48990428	67.27442588	
Conc SD	0.00955267[mg/l]	0.00190912[mg/l]	0.00022323[mg/l]	6.53419000[mg/l]	0.00006209[mg/l]	0.01101760[mg/l]	

Instrument: MET06

Begun: 06/21/23 13:27

Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			06/21/23 13:27	1.0	1	
002	met06_master011	ICAL	L1			06/21/23 13:30	1.0	2 1	
003	met06_master011	ICAL	L2			06/21/23 13:33	1.0	3 1	
004	met06_master011	ICAL	L3			06/21/23 13:37	1.0	4 1	
005	met06_master011	ICAL	L4			06/21/23 13:40	1.0	5 1	
006	met06_master011	ICAL	L5			06/21/23 13:43	1.0	6 1	
007	met06_master011	ICAL	L6			06/21/23 13:47	1.0	7 1	
008	met06_master011	ICAL	L7			06/21/23 13:50	1.0	8 1	
009	met06_master011	ICAL	L8			06/21/23 13:53	1.0	9 1	
010	met06_master011	ICV				06/21/23 14:05	1.0	10 1	
011	met06_master011	CRI				06/21/23 14:08	1.0	11 1	
012	met06_master011	ICB				06/21/23 14:11	1.0	1	
013	met06_master011	ICSA				06/21/23 14:15	1.0	12 1	3:CAASCACO3=990
014	met06_master011	ICSAB				06/21/23 14:18	1.0	13 1	3:CAASCACO3=990
015	met06_master011	SAMPLE	487140-021	Wipe	316526	06/21/23 14:21	1.0	1	1:FE=81
016	met06_master011	SAMPLE	487140-022	Wipe	316526	06/21/23 14:25	1.0	1	1:FE=130
017	met06_master011	SAMPLE	487140-024	Wipe	316526	06/21/23 14:28	1.0	1	1:FE=120
018	met06_master011	BLANK	QC1074448	Wipe	316528	06/21/23 14:31	1.0	1	
019	met06_master011	BS	QC1074449	Wipe	316528	06/21/23 14:35	1.0	1	
020	met06_master011	BSD	QC1074450	Wipe	316528	06/21/23 14:38	1.0	1	
021	met06_master011	SAMPLE	487142-002	Wipe	316528	06/21/23 14:41	1.0	1	1:FE=68
022	met06_master011	SAMPLE	487142-004	Wipe	316528	06/21/23 14:45	1.0	1	1:FE=48
023	met06_master011	SAMPLE	487142-006	Wipe	316528	06/21/23 14:48	1.0	1	1:FE=27
024	met06_master011	SAMPLE	487142-008	Wipe	316528	06/21/23 14:51	1.0	1	1:FE=27
025	met06_master011	CCV				06/21/23 14:54	1.0	10 1	
026	met06_master011	CCB				06/21/23 15:04	1.0	1	
027	met06_master011	SAMPLE	487142-010	Wipe	316528	06/21/23 15:07	1.0	1	1:FE=29
028	met06_master011	SAMPLE	487142-012	Wipe	316528	06/21/23 15:10	1.0	1	1:FE=42
029	met06_master011	SAMPLE	487142-014	Wipe	316528	06/21/23 15:13	1.0	1	1:FE=26
030	met06_master011	SAMPLE	487142-016	Wipe	316528	06/21/23 15:16	1.0	1	1:FE=39

Standards Used:

1=S14463 2=S18516 3=S18515 4=S18514 5=S18513 6=S18512 7=S18437 8=S18468 9=S18177 10=S18532 11=S18469 12=S18280 13=S18548

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-021	Client ID: ARCH-C6W-DG-3 TO 3.5-230619-L-FB
Seqnum: 483248487015	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 14:21
Cal: 483248487001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.2924	29	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1612450	1447310	-10.24

!=warning +=high bias <=opening a=ICSA u=use

Sample Name: 487140-021,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 14:21:54

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	19941.4000000	276.56300000	2708.05000000	5750.14000000	8877.52000000	1934.00000000	7858.86000000
Int RSD	1.73593128	4.95590516	0.55548827	0.90068937	1.17628572	3.02356256	0.40351018
Int SD	346.16900000	13.70620000	15.04290000	51.79090000	104.42500000	58.47570000	31.71130000
RelInt Mean	0.00003848	0.00401419	0.00004938	0.00190296	0.00392752	0.03777390	0.00341534
RelInt RSD	22.69151203	13.23913417	39.65704381	0.89928322	1.00379629	2.34431711	0.58728267
RelInt SD	0.00000873	0.00053144	0.00001958	0.00001711	0.00003942	0.00088554	0.00002006
Conc Mean	<0.00085991[mg/l]	0.48694400[mg/l]	<0.00145953[mg/l]	0.02199930[mg/l]	0.01244420[mg/l]	4.48368000[mg/l]	0.01974110[mg/l]
Conc RSD	52.66562160	17.81993412	91.32665995	1.09805767	1.03000595	2.18695134	1.06813197
Conc SD	0.00045288[mg/l]	0.08677310[mg/l]	0.00133294[mg/l]	0.00024157[mg/l]	0.00012818[mg/l]	0.09805590[mg/l]	0.00021086[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	12044.2000000	315063	28570000	-207.86800000	61.05560000	1451620	3112.46000000
Int RSD	1.59600472	3.81387215	0.66408120	33.90189928	77.78516631	0.20223957	1.05577582
Int SD	192.22600000	12016.1000000	189728	70.47120000	47.49220000	2935.75000000	32.86060000
RelInt Mean	0.00632632	0.00832411	19.80000000	-0.00331717	0.00060990	1.00341000	0.00016687
RelInt RSD	1.38453951	3.71634926	0.51051515	53.17122728	191.58581995	0.53537736	12.48178201
RelInt SD	0.00008759	0.00030935	0.10108200	0.00176378	0.00116848	0.00537203	0.00002083
Conc Mean	0.05502360[mg/l]	0.30598300[mg/l]	81.29810000[mg/l]	<-0.37711200[mg/l]	<0.17934100[mg/l]	0.85691600[mg/l]	0.00084640[mg/l]
Conc RSD	1.39059422	3.78589660	0.51052116	99.01673773	245.61812413	0.53562660	18.97859289
Conc SD	0.00076516[mg/l]	0.01158420[mg/l]	0.41504400[mg/l]	0.37340400[mg/l]	0.44049400[mg/l]	0.00458987[mg/l]	0.00016063[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	10353.3000000	21925.9000000	14484.3000000	2721.40000000	2584.54000000	7500.30000000	212.25600000
Int RSD	1.04135879	0.55255657	1.55640245	0.69531491	1.77055878	1.08810314	38.33418137
Int SD	107.81500000	121.15300000	225.43400000	18.92230000	45.76080000	81.61100000	81.36660000
RelInt Mean	0.20076600	0.01301350	0.00773717	0.00011683	0.00012382	0.00296614	0.00063067
RelInt RSD	0.71690426	0.57570753	1.32319698	12.02857118	28.96572333	1.14375586	165.05039101
RelInt SD	0.00143930	0.00007492	0.00010238	0.00001405	0.00003586	0.00003393	0.00104092
Conc Mean	3.84104000[mg/l]	0.12294400[mg/l]	0.29238800[mg/l]	0.00325956[mg/l]	0.00732818[mg/l]	0.05875130[mg/l]	<-0.00228799[mg/l]
Conc RSD	0.95081540	0.57906689	1.30205754	22.41689062	40.31833279	1.32211032	54.25766721
Conc SD	0.03652120[mg/l]	0.00071193[mg/l]	0.00380706[mg/l]	0.00073069[mg/l]	0.00295460[mg/l]	0.00077676[mg/l]	0.00124141[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	1376630	2429.81000000	5816.97000000	1447310	35701700	50186.30000000	376855
Int RSD	11.26105054	1.12003408	3.84076246	0.39732262	0.39415490	0.75037610	0.39317244
Int SD	155023	27.21470000	223.41600000	5750.49000000	140720	376.58600000	1481.69000000
RelInt Mean	0.03793890	-0.00033806	0.00005512	---	---	---	0.25955200
RelInt RSD	11.16916937	2.01324325	8.65865495	---	---	---	0.10165131
RelInt SD	0.00423746	0.00000681	0.00000477	---	---	---	0.00026384
Conc Mean	0.46091600[mg/l]	<-0.02881030[mg/l]	0.01307030[mg/l]	1442640	35660800	50231.70000000	1.36311000[mg/l]
Conc RSD	11.18709266	2.16295908	8.88128046	---	---	---	0.10197343
Conc SD	0.05156310[mg/l]	0.00062316[mg/l]	0.00116081[mg/l]	5688.38000000	140321	410.43000000	0.00139001[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	56.19440000	156.08800000	522725	-41.78740000	3198.59000000	3110.14000000	
Int RSD	80.97426078	46.36185998	0.24602803	23.36546423	2.34449554	0.72461368	
Int SD	45.50300000	72.36530000	1286.05000000	9.76382000	74.99080000	22.53650000	
RelInt Mean	0.00047926	-0.00013786	0.35982300	-0.00003726	-0.00006984	0.00212820	
RelInt RSD	76.44870382	794.00841433	0.35985193	25.26472569	30.79899029	0.44861714	
RelInt SD	0.00036639	0.00109462	0.00129483	0.00000941	0.00002151	0.00000955	
Conc Mean	<-0.00076919[mg/l]	<-0.00037572[mg/l]	6.31596000[mg/l]	<-4.06603000[mg/l]	<-0.00045751[mg/l]	2.70994000[mg/l]	
Conc RSD	247.96864234	794.00351325	0.36035060	281.56949162	19.75489275	0.43900234	
Conc SD	0.00190735[mg/l]	0.00298323[mg/l]	0.02275960[mg/l]	11.44870000[mg/l]	0.00009038[mg/l]	0.01189670[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-022	Client ID: ARCH-C6W-DG-3 TO 3.5-230619-L-DUP-FB
Seqnum: 483248487016	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 14:25
Cal: 483248487001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.00 ft2 ⇒ 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.1848	18	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1612450	1452490	-9.92

!=warning +=high bias <=opening a=ICSA u=use

Sample Name: 487140-022,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 14:25:13

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	20393.1000000	235.25600000	2918.20000000	5532.66000000	7697.28000000	1480.24000000	10625.5000000
Int RSD	0.94751166	27.91584487	0.53612501	0.96265449	1.43470161	8.96982922	0.75920663
Int SD	193.22700000	65.67370000	15.64520000	53.26040000	110.43300000	132.77500000	80.66950000
RelInt Mean	0.00003020	0.00298436	0.00018451	0.00149180	0.00295186	0.03002110	0.00520560
RelInt RSD	10.05497016	8.36651744	17.92925160	2.15102561	1.98352225	7.86286978	1.35153681
RelInt SD	0.00000304	0.00024969	0.00003308	0.00003209	0.00005855	0.00236052	0.00007036
Conc Mean	<0.00128938[mg/l]	0.31879500[mg/l]	0.01063290[mg/l]	0.01619490[mg/l]	0.00925972[mg/l]	3.62517000[mg/l]	0.03077730[mg/l]
Conc RSD	12.21517318	12.78824950	21.16797863	2.79698547	2.06685515	7.21055840	1.11680687
Conc SD	0.00015750[mg/l]	0.04076830[mg/l]	0.00225077[mg/l]	0.00045297[mg/l]	0.00019139[mg/l]	0.26139500[mg/l]	0.00034372[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	16193.6000000	487894	44285800	-165.71700000	72.75260000	2101090	3616.94000000
Int RSD	0.43276850	3.87565742	0.83034291	14.29322278	132.50894126	1.04504329	0.20279712
Int SD	70.08080000	18909.1000000	367724	23.68630000	96.40370000	21957.3000000	7.33505000
RelInt Mean	0.00886659	0.01317390	30.59130000	-0.00274002	0.00160736	1.44821000	0.00041419
RelInt RSD	0.77509505	3.77685423	1.30894405	28.83165086	123.05457396	0.20409333	13.72559718
RelInt SD	0.00006872	0.00049756	0.40042300	0.00078999	0.00197793	0.00295570	0.00005685
Conc Mean	0.07721500[mg/l]	0.48759200[mg/l]	>125.60900000[mg/l]	<-0.25492500[mg/l]	<0.55536600[mg/l]	1.23688000[mg/l]	0.00275385[mg/l]
Conc RSD	0.77754581	3.82118657	1.30875972	65.60635481	134.26155004	0.20382171	15.92112860
Conc SD	0.00060038[mg/l]	0.01863180[mg/l]	1.64392000[mg/l]	0.16724700[mg/l]	0.74564300[mg/l]	0.00252103[mg/l]	0.00043844[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	10009.2000000	33622.0000000	10544.0000000	2893.26000000	2696.29000000	9322.94000000	161.63600000
Int RSD	0.44931663	0.66459758	1.08235964	0.68045043	1.58942473	0.48261171	21.77850231
Int SD	44.97300000	223.45100000	114.12400000	19.68720000	42.85550000	44.99360000	35.20190000
RelInt Mean	0.19521900	0.02091260	0.00489233	0.00015695	0.00008490	0.00425875	0.00126033
RelInt RSD	1.11981928	0.35300154	1.39262683	6.10301941	17.97799925	0.96652069	131.71232931
RelInt SD	0.00218610	0.00007382	0.00006813	0.00000958	0.00001526	0.00004116	0.00166001
Conc Mean	3.70031000[mg/l]	0.19802600[mg/l]	0.18479300[mg/l]	0.00521424[mg/l]	0.00412194[mg/l]	0.08834750[mg/l]	<-0.00153704[mg/l]
Conc RSD	1.498999063	0.35453779	1.34272943	9.53724800	30.50481084	1.06679646	128.80276375
Conc SD	0.05546730[mg/l]	0.00070208[mg/l]	0.00248127[mg/l]	0.00049730[mg/l]	0.00125739[mg/l]	0.00094249[mg/l]	0.00197975[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	1270670	2442.62000000	5986.56000000	1452490	35619100	50029.0000000	254964
Int RSD	11.28782453	0.69190869	2.54150965	0.84461167	0.48898765	0.29477903	0.75212187
Int SD	143431	16.90070000	152.14900000	12267.9000000	174173	147.47500000	1917.64000000
RelInt Mean	0.03507700	-0.00036845	0.00004989	---	---	---	0.17444200
RelInt RSD	11.97337287	3.20890114	8.05956089	---	---	---	0.27707662
RelInt SD	0.00419990	0.00001182	0.00000402	---	---	---	0.00048334
Conc Mean	0.42609100[mg/l]	<-0.03114500[mg/l]	0.01179810[mg/l]	1447510	35576900	50081.2000000	0.91565200[mg/l]
Conc RSD	11.99429230	3.03903997	8.29013994	---	---	---	0.27735209
Conc SD	0.05110660[mg/l]	0.00094651[mg/l]	0.00097808[mg/l]	12252.5000000	174075	196.35500000	0.00253958[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	38.35210000	213.66200000	454721	-41.45160000	3373.35000000	2765.41000000	
Int RSD	202.45827478	76.88077431	0.49469455	24.19689469	1.10149258	0.56920312	
Int SD	77.64700000	164.26500000	2249.48000000	10.03000000	37.15720000	15.74080000	
RelInt Mean	-0.00033216	0.00106147	0.31135300	-0.00003308	-0.00021016	0.00188582	
RelInt RSD	163.87857769	141.99365032	1.32343353	8.07977148	18.59270468	0.35648365	
RelInt SD	0.00054434	0.00150722	0.00412055	0.00000267	0.00003907	0.00000672	
Conc Mean	<-0.00499331[mg/l]	<-0.00289290[mg/l]	5.46408000[mg/l]	<-1.01849000[mg/l]	<-0.00105442[mg/l]	2.40779000[mg/l]	
Conc RSD	56.75133328	141.99280998	1.32523499	319.15286355	15.27123916	0.34801498	
Conc SD	0.00283377[mg/l]	0.00410771[mg/l]	0.07241190[mg/l]	3.25054000[mg/l]	0.00016102[mg/l]	0.00837947[mg/l]	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst: MET06	Lab ID: 487140-024	Client ID: ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-L-LA
Seqnum: 483248487017	Matrix: Wipe	Acct: RINCON-BERK (JG)
File: met06_master011	Batch: 316526	Time: 21-JUN-2023 14:28
Cal: 483248487001	Caldate: 21-JUN-2023	
IDF: 1.0	Raw Units: mg/l	Units: ug/ft2

- 1.01 ft2 ⇒ 100.0 ml = 99.01 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5620	56	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1612450	1456880	-9.65

!=warning +=high bias <=opening a=ICSA u=use

Sample Name: 487140-024,316526

Sample Type: Unknown Sample

Measure Date: 2023-06-21 14:28:32

Recalculation Date:

State: Measured

Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	20338.0000000	145.41300000	3402.17000000	5424.98000000	9740.75000000	1525.74000000	7987.19000000
Int RSD	1.53683253	35.59578580	1.25073115	0.89452864	0.79384442	0.99966574	0.79706129
Int SD	312.56100000	51.76090000	42.55200000	48.52800000	77.32640000	15.25230000	63.66280000
RelInt Mean	0.00003340	0.00134558	0.00031664	0.00150741	0.00437990	0.03049930	0.00339727
RelInt RSD	10.22984789	128.22203065	5.92253615	0.67296223	0.77764104	3.27462270	0.25167885
RelInt SD	0.00000342	0.00172533	0.00001875	0.00001014	0.00003406	0.00099874	0.00000855
Conc Mean	<0.00112351[mg/l]	<0.05121940[mg/l]	0.01962920[mg/l]	0.01641530[mg/l]	0.01391790[mg/l]	3.67812000[mg/l]	0.01979430[mg/l]
Conc RSD	15.77217826	550.00253810	6.49950074	0.87255792	0.79862623	3.00688939	0.29143440
Conc SD	0.00017720[mg/l]	0.28170800[mg/l]	0.00127580[mg/l]	0.00014323[mg/l]	0.00011115[mg/l]	0.11059700[mg/l]	0.00005769[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	14636.3000000	770901	40724100	-140.14900000	34.67570000	1290790	3421.38000000
Int RSD	1.09762713	3.70287495	0.46573650	21.13850259	154.68613467	0.57582411	0.31751808
Int SD	160.65200000	28545.5000000	189667	29.62540000	53.63850000	7432.68000000	10.86350000
RelInt Mean	0.00785221	0.02094360	28.04460000	-0.00197043	0.00038770	0.88596100	0.00014789
RelInt RSD	2.12975710	3.11212017	0.63083089	46.30136569	559.01417351	0.64596636	6.65377464
RelInt SD	0.00016723	0.00065179	0.17691400	0.00091234	0.00216727	0.00572301	0.00000984
Conc Mean	0.06835350[mg/l]	0.77854300[mg/l]	>115.15200000[mg/l]	<-0.09199900[mg/l]	<0.09557600[mg/l]	0.75658300[mg/l]	0.00070007[mg/l]
Conc RSD	2.13734483	3.13504842	0.63072982	209.94467331	854.84117352	0.64612078	10.84042664
Conc SD	0.00146095[mg/l]	0.02440770[mg/l]	0.72629800[mg/l]	0.19314700[mg/l]	0.81702300[mg/l]	0.00488844[mg/l]	0.00007589[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	11218.2000000	27563.9000000	25231.0000000	3093.83000000	2866.49000000	9946.16000000	187.99000000
Int RSD	0.46132980	1.01746850	0.87490785	0.98040616	2.13032315	0.74308477	11.39842545
Int SD	51.75290000	280.45400000	220.74800000	30.33210000	61.06550000	73.90840000	21.42790000
RelInt Mean	0.21773700	0.01670880	0.01500830	0.00026190	0.00014497	0.00436055	0.00176603
RelInt RSD	0.59586565	0.26302846	0.03847451	7.03132100	24.64344347	0.79276238	14.92233994
RelInt SD	0.00129742	0.00004395	0.00000577	0.00001842	0.00003573	0.00003457	0.00026353
Conc Mean	4.27167000[mg/l]	0.15806800[mg/l]	0.56195900[mg/l]	0.01071990[mg/l]	0.00907092[mg/l]	0.09067850[mg/l]	<-0.00093395[mg/l]
Conc RSD	0.77054875	0.26414708	0.04223849	8.92353473	32.44687419	0.87282763	33.65140923
Conc SD	0.03291530[mg/l]	0.00041753[mg/l]	0.00023736[mg/l]	0.00095659[mg/l]	0.00294323[mg/l]	0.00079147[mg/l]	0.00031429[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	1101790	2628.77000000	5469.46000000	1456880	35884500	50176.3000000	637560
Int RSD	0.58841340	0.80152695	2.45095494	0.92037779	0.86885424	0.26988040	1.13499749
Int SD	6483.08000000	21.07030000	134.05400000	13408.8000000	311784	135.41600000	7236.29000000
RelInt Mean	0.03008880	-0.00043535	0.00003821	---	---	---	0.43735700
RelInt RSD	1.08070777	1.96223719	12.03970217	---	---	---	0.57162227
RelInt SD	0.00032517	0.00000854	0.00000460	---	---	---	0.00250003
Conc Mean	0.36539300[mg/l]	<-0.03630880[mg/l]	0.00895737[mg/l]	1451930	35842500	50227.0000000	2.29785000[mg/l]
Conc RSD	1.08288062	1.84823514	12.49205961	---	---	---	0.57187371
Conc SD	0.00395677[mg/l]	0.00067107[mg/l]	0.00111896[mg/l]	13383.9000000	311810	150.12200000	0.01314080[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-11.32120000	153.18300000	477104	-32.96790000	8084.87000000	3523.21000000	
Int RSD	556.20428930	18.92370563	0.32508216	13.61457660	0.20108301	1.26280296	
Int SD	62.96900000	28.98790000	1550.98000000	4.48844000	16.25730000	44.49120000	
RelInt Mean	-0.00092729	0.00011431	0.32588200	-0.00003024	0.00310058	0.00239237	
RelInt RSD	262.22007018	1024.66100954	0.97670016	9.87759948	1.36328687	0.38847335	
RelInt SD	0.00243153	0.00117129	0.00318289	0.00000299	0.00004227	0.00000929	
Conc Mean	<-0.00809145[mg/l]	<0.00031154[mg/l]	5.71945000[mg/l]	4.47848000[mg/l]	0.01220890[mg/l]	3.03928000[mg/l]	
Conc RSD	156.43920435	1024.64836202	0.97797341	81.10006073	1.41396850	0.38123832	
Conc SD	0.01265820[mg/l]	0.00319221[mg/l]	0.05593470[mg/l]	3.63205000[mg/l]	0.00017263[mg/l]	0.01158690[mg/l]	

Instrument: MET06
 Calibration #: 483248487001
 Units: mg/L

Date: 21-JUN-2023 13:27
 X Axis: R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	483248487002	L1	21-JUN-2023 13:30	S18516, S14463 (100X)
L2	met06_master011	483248487003	L2	21-JUN-2023 13:33	S18515, S14463 (100X)
L3	met06_master011	483248487004	L3	21-JUN-2023 13:37	S18514, S14463 (100X)
L4	met06_master011	483248487005	L4	21-JUN-2023 13:40	S18513, S14463 (100X)
L5	met06_master011	483248487006	L5	21-JUN-2023 13:43	S18512, S14463 (100X)
L6	met06_master011	483248487007	L6	21-JUN-2023 13:47	S18437, S14463 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r ²	%RSD	n	Min r ²	Flags
Lead	A	WB1K	0.00729	37.2456		0.0152	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	-0.025	0.0069	0.0273	0.0281	0.0269	0.0268

Spiked Amounts / Drifts	Ch	L1 %D	L2 %D	L3 %D	L4 %D	L5 %D	L6 %D
Lead	A	0.0033 26	0.0100 -2	0.1000 9	1.0000 6	5.0000 0	10.000 0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06
Calnum: 483248487001

Cal Date: 21-JUN-2023

- ICV 483248487010 (21-JUN-2023) stds: S18532, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.085	mg/l	9	10	

Sample Name: ICALBLK,CALBLANK				Sample Type: Calibration Sample			
Measure Date: 2023-06-21 13:27:13			Recalculation Date: 2023-06-21 14:00:24		State: Recalculated		Quality: Recalc Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	22052.7000000	347.41000000	1262.50000000	2983.01000000	3098.10000000	-181.25300000	2885.07000000
Int RSD	1.36955566	17.64301546	1.04442772	0.86073463	0.58926116	18.05608735	1.06362064
Int SD	302.02400000	61.29360000	13.18590000	25.67580000	18.25590000	32.72720000	30.68620000
RelInt Mean	0.00005506	0.00580026	0.00002721	0.00035187	0.00010286	-0.00271537	0.00006665
RelInt RSD	9.70123473	13.90182509	38.21788290	2.06486752	8.88540735	47.37439097	32.53998382
RelInt SD	0.00000534	0.00080634	0.00001040	0.00000727	0.00000914	0.00128639	0.00002169
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	2455.85000000	24815.8000000	4760.53000000	-94.50610000	24.17050000	3321.93000000	1860.50000000
Int RSD	0.61624692	0.37568444	5.70993146	24.39736694	495.73240107	0.42396438	1.87067992
Int SD	15.13410000	93.22910000	271.82300000	23.05700000	119.82100000	14.08380000	34.80400000
RelInt Mean	0.00000901	0.00015460	0.00100158	-0.00153579	-0.00006336	0.00020279	0.00004598
RelInt RSD	210.32926073	1.02454706	17.32582520	43.24471445	2289.05622379	5.90043642	66.85247007
RelInt SD	0.00001895	0.00000158	0.00017353	0.00066415	0.00145033	0.00001197	0.00003074
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	2988.95000000	3085.19000000	2760.26000000	2037.49000000	1466.04000000	1851.49000000	202.21100000
Int RSD	6.67307917	2.28236186	0.62382529	1.54045909	2.42576601	7.36385290	29.64695294
Int SD	199.45500000	70.41520000	17.21920000	31.38670000	35.56270000	136.34100000	59.94940000
RelInt Mean	0.04947230	0.00006464	-0.00019751	0.00005369	0.00003461	0.00039993	0.00201410
RelInt RSD	7.05655488	55.91652034	11.32376396	39.84394355	83.40326421	22.60451126	22.83560896
RelInt SD	0.00349104	0.00003614	0.00002237	0.00002139	0.00002886	0.00009040	0.00045993
	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	25954.6000000	1287.80000000	3909.53000000	1612450	38869500	54209.1000000	2291.85000000
Int RSD	0.54883913	1.15468240	2.15001548	0.06127601	0.10185698	0.30601873	2.39183193
Int SD	142.44900000	14.87000000	84.05550000	988.04500000	39591.3000000	165.89000000	54.81720000
RelInt Mean	0.00006482	0.00000468	0.00000148	---	---	---	0.00023259
RelInt RSD	8.00591478	359.89111445	117.47252896	---	---	---	16.55354770
RelInt SD	0.00000519	0.00001683	0.00000174	---	---	---	0.00003850
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-20.33960000	173.69400000	3254.91000000	-47.56600000	2899.59000000	-72.90390000	
Int RSD	284.70373065	30.12838670	1.59308860	17.34524660	1.47687087	11.72196549	
Int SD	57.90760000	52.33120000	51.85360000	8.25044000	42.82320000	8.54577000	
RelInt Mean	-0.00036052	0.00006015	0.00044426	-0.00003392	0.00003929	-0.00004562	
RelInt RSD	153.44308221	1282.41508129	4.42891550	2.47224458	61.43405427	5.27013254	
RelInt SD	0.00055319	0.00077136	0.00001968	0.00000084	0.00002414	0.00000240	

Sample Name: ICAL,L1,S18516					Sample Type: Calibration Sample		
Measure Date: 2023-06-21 13:30:30			Recalculation Date: 2023-06-21 14:00:23		State: Recalculated		Quality: Recalc Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	21714.0000000	392.29300000	1353.23000000	3295.15000000	4907.65000000	-103.22500000	3370.22000000
Int RSD	1.21884959	12.10786326	1.94434797	0.78143028	0.62583721	86.38789053	0.51336115
Int SD	264.66100000	47.49830000	26.31150000	25.74930000	30.71390000	89.17390000	17.30140000
RelInt Mean	0.00005048	0.00624462	0.00008441	0.00056524	0.00122131	-0.00096979	0.00036983
RelInt RSD	7.24063135	14.88646227	36.20191647	2.74808445	1.24231358	277.38983743	5.89974394
RelInt SD	0.00000366	0.00092960	0.00003056	0.00001553	0.00001517	0.00269011	0.00002182
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3184.55000000	27764.2000000	6984.00000000	-150.90500000	33.94190000	10034.6000000	2529.99000000
Int RSD	0.71022279	0.79160214	2.10180412	46.47162122	155.28152519	0.61375541	0.55678876
Int SD	22.61740000	219.78200000	146.79000000	70.12800000	52.70550000	61.58790000	14.08670000
RelInt Mean	0.00045817	0.00023647	0.00239026	-0.00150886	-0.00027318	0.00441080	0.00047229
RelInt RSD	2.15974281	1.74877151	3.66830387	73.61252866	267.59365688	0.66068967	2.73726468
RelInt SD	0.00000990	0.00000414	0.00008768	0.00111071	0.00073101	0.00002914	0.00001293
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	3114.29000000	3720.18000000	2978.87000000	2244.73000000	1673.35000000	1645.85000000	116.19300000
Int RSD	2.26194413	0.68120360	0.50757166	0.77266308	2.39049213	0.93061336	53.16094773
Int SD	70.44350000	25.34200000	15.11990000	17.34420000	40.00130000	15.31650000	61.76930000
RelInt Mean	0.05308370	0.00045306	-0.00008314	0.00018136	0.00015433	0.00027473	0.00050660
RelInt RSD	2.80728359	2.51070508	24.80380259	4.26818523	12.70049959	6.65409675	317.66482432
RelInt SD	0.00149021	0.00001137	0.00002062	0.00000774	0.00001960	0.00001828	0.00160929
	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	33649.6000000	1522.75000000	4048.62000000	1601630	38752200	53562.8000000	5534.41000000
Int RSD	1.86885728	0.60395666	1.87619485	0.20229891	0.47698711	0.48607989	0.63876186
Int SD	628.86300000	9.19675000	75.96000000	3240.08000000	184843	260.35800000	35.35170000
RelInt Mean	0.00027198	0.00014864	0.00000657	---	---	---	0.00226492
RelInt RSD	4.28432760	3.57073272	3.21468691	---	---	---	1.45433393
RelInt SD	0.00001165	0.00000531	0.00000021	---	---	---	0.00003294
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-67.32500000	168.91100000	3308.02000000	-53.63050000	3588.95000000	-75.79770000	
Int RSD	169.16450056	18.69558525	0.53567391	39.15887415	1.48647655	14.82749477	
Int SD	113.89000000	31.57890000	17.72020000	21.00110000	53.34890000	11.23890000	
RelInt Mean	-0.00147134	-0.00019409	0.00046705	-0.00004014	0.00046015	-0.00004744	
RelInt RSD	131.68948034	874.75333481	2.92296592	25.41412652	5.33297838	6.72831529	
RelInt SD	0.00193760	0.00169780	0.00001365	0.00001020	0.00002454	0.00000319	

Sample Name: ICAL,L2,S18515

Sample Type: Calibration Sample

Measure Date: 2023-06-21 13:33:47

Recalculation Date: 2023-06-21 14:00:22

State: Recalculated

Quality: Recalc | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	21835.7000000	369.80600000	1483.51000000	3905.16000000	8257.15000000	-129.90900000	4193.53000000
Int RSD	0.99123912	20.94049312	1.40224198	0.75246085	0.53087930	58.39064268	0.84199231
Int SD	216.44400000	77.43920000	20.80240000	29.38480000	43.83550000	75.85470000	35.30920000
RelInt Mean	0.00005139	0.00533984	0.00016428	0.00094807	0.00332639	-0.00199705	0.00089327
RelInt RSD	7.69775927	6.63111629	4.57423989	2.58608578	0.38201774	153.09030820	2.50209902
RelInt SD	0.00000396	0.00035409	0.00000751	0.00002452	0.00001271	0.00305729	0.00002235

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4437.53000000	34239.80000000	12105.00000000	-236.65700000	-52.74970000	23157.50000000	3874.24000000
Int RSD	0.49027500	1.30710460	0.70768525	22.31993983	112.78168407	0.33445493	0.41093479
Int SD	21.75610000	447.55000000	85.66530000	52.82170000	59.49200000	77.45140000	15.92060000
RelInt Mean	0.00125720	0.00040398	0.00562715	-0.00336892	-0.00074931	0.01265890	0.00131200
RelInt RSD	0.80618040	4.15470644	0.85059400	20.84501858	221.55938754	0.76836139	0.84170732
RelInt SD	0.00001014	0.00001678	0.00004786	0.00070225	0.00166016	0.00009727	0.00001104

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	3339.30000000	4913.13000000	3212.48000000	2848.57000000	2051.74000000	2070.78000000	601.20500000
Int RSD	3.38253526	0.90337117	0.57004557	0.55304240	0.99381013	1.40611750	9.28387156
Int SD	112.95300000	44.38380000	18.31260000	15.75380000	20.39040000	29.11760000	55.81510000
RelInt Mean	0.05713440	0.00120754	0.00006871	0.00056221	0.00039589	0.00053709	0.00905040
RelInt RSD	3.67144837	1.91151432	26.48042904	1.73462266	8.40404357	2.03534995	2.88811544
RelInt SD	0.00209766	0.00002308	0.00001820	0.00000975	0.00003327	0.00001093	0.00026139

	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	53137.6000000	1962.72000000	4634.81000000	1598460	38531000	53798.2000000	11230.4000000
Int RSD	2.26056502	0.73388461	1.38247954	0.41818188	0.77041084	0.95596507	0.28605571
Int SD	1201.21000000	14.40410000	64.07530000	6684.47000000	296847	514.29200000	32.12520000
RelInt Mean	0.00077659	0.00042621	0.00001785	---	---	---	0.00584169
RelInt RSD	4.55175602	3.15310834	2.27041305	---	---	---	0.81284697
RelInt SD	0.00003535	0.00001344	0.00000041	---	---	---	0.00004748

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-4.64607000	99.81730000	3361.13000000	-37.76200000	4884.24000000	-59.81690000	
Int RSD	1260.60304731	73.67189856	1.32661337	13.21142948	0.66214191	14.39805473	
Int SD	58.56850000	73.53730000	44.58920000	4.98890000	32.34060000	8.61247000	
RelInt Mean	-0.00156199	-0.00072700	0.00051889	-0.00003021	0.00128790	-0.00003634	
RelInt RSD	81.40064917	198.30232904	2.91731790	18.32836868	2.36340554	12.51814855	
RelInt SD	0.00127147	0.00144165	0.00001514	0.00000554	0.00003044	0.00000455	

Sample Name: ICAL,L3,S18514

Sample Type: Calibration Sample

Measure Date: 2023-06-21 13:37:06

Recalculation Date: 2023-06-21 14:00:22

State: Recalculated

Quality: Recalc | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	21643.1000000	394.90700000	3600.02000000	12645.3000000	54307.8000000	-208.71500000	15779.5000000
Int RSD	1.05082451	3.77000154	1.25979022	0.80508964	0.59601015	73.80590758	1.58969549
Int SD	227.43100000	14.88800000	45.35270000	101.80600000	323.68000000	154.04400000	250.84600000
RelInt Mean	0.00004912	0.00649529	0.00149689	0.00644641	0.03232590	-0.00336042	0.00819328
RelInt RSD	1.96063685	7.93279438	2.41917576	1.02489758	0.64455746	124.90611293	1.93220542
RelInt SD	0.00000096	0.00051526	0.00003621	0.00006607	0.00020836	0.00419737	0.00015831

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	21585.1000000	122930	84926.3000000	-111.38300000	-3.61953000	202245	22313.4000000
Int RSD	0.85645190	2.78845685	0.77802518	30.02046991	1813.07241548	0.12606443	0.81125243
Int SD	184.86600000	3427.85000000	660.74800000	33.43770000	65.62470000	254.95900000	181.01800000
RelInt Mean	0.01203710	0.00271433	0.05147650	-0.00140034	0.00001952	0.12542800	0.01292110
RelInt RSD	0.86710254	3.70566585	0.92307752	81.72800891	9029.46735439	0.15539034	0.78683703
RelInt SD	0.00010437	0.00010058	0.00047517	0.00114447	0.00176285	0.00019490	0.00010167

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	6838.96000000	21053.4000000	7431.01000000	11090.0000000	7421.44000000	8608.40000000	23412.6000000
Int RSD	1.01837706	0.25243904	0.91097576	0.17753111	0.52871141	0.82475373	1.26346070
Int SD	69.64640000	53.14700000	67.69470000	19.68820000	39.23800000	70.99810000	295.80900000
RelInt Mean	0.12214300	0.01135530	0.00273315	0.00574549	0.00377815	0.00465914	0.43337700
RelInt RSD	0.94705386	0.34582618	1.10201782	0.45622393	0.55987189	0.86257979	0.73039409
RelInt SD	0.00115676	0.00003927	0.00003012	0.00002621	0.00002115	0.00004019	0.00316536

	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	330142	7897.06000000	11575.0000000	1592750	38361400	53678.1000000	100847
Int RSD	2.89178899	1.10990672	3.89696760	0.27861309	0.67299681	0.63297695	0.90368776
Int SD	9547.01000000	87.65000000	451.07400000	4437.61000000	258171	339.77000000	911.34200000
RelInt Mean	0.00800372	0.00415510	0.00020184	---	---	---	0.06224750
RelInt RSD	3.61525641	1.19977618	4.58927687	---	---	---	1.01597173
RelInt SD	0.00028935	0.00004985	0.00000926	---	---	---	0.00063242

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	29.78240000	1080.47000000	3431.45000000	-41.37450000	22312.7000000	-72.00930000	
Int RSD	135.12141399	4.89761863	1.11754506	24.09774136	0.77117516	19.69690026	
Int SD	40.24240000	52.91730000	38.34800000	9.97032000	172.07000000	14.18360000	
RelInt Mean	0.00034184	0.01728370	0.00055580	-0.00003077	0.01225230	-0.00004575	
RelInt RSD	208.45756445	6.60749724	4.05209049	6.82110983	0.90045951	9.19186643	
RelInt SD	0.00071258	0.00114202	0.00002252	0.00000210	0.00011033	0.00000421	

Sample Name: ICAL,L4,S18513

Sample Type: Calibration Sample

Measure Date: 2023-06-21 13:40:26

Recalculation Date: 2023-06-21 14:00:21

State: Recalculated

Quality: Recalc | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	22372.0000000	435.03500000	23345.4000000	107468	486884	2661.47000000	128179
Int RSD	0.78878509	22.93008609	0.58445775	0.07153032	0.35846115	4.74414515	0.24020315
Int SD	176.46700000	99.75390000	136.44400000	76.87220000	1745.29000000	126.26400000	307.89000000
RelInt Mean	0.00005968	0.00673677	0.01435740	0.06855020	0.31607300	0.05077150	0.08177230
RelInt RSD	11.06618300	22.47486555	0.73297394	0.15322056	0.27709959	5.04572447	0.17892000
RelInt SD	0.00000660	0.00151408	0.00010524	0.00010503	0.00087584	0.00256179	0.00014631

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	179013	984343	778787	2347.16000000	184.63500000	1879760	198026
Int RSD	0.36205304	3.04595045	0.55107366	2.17405290	19.13115065	0.22278642	0.57630311
Int SD	648.12200000	29982.6000000	4291.69000000	51.02850000	35.32280000	4187.85000000	1141.23000000
RelInt Mean	0.11501200	0.02606630	0.50673500	0.04514200	0.00302835	1.22619000	0.12808900
RelInt RSD	0.29302855	3.53649732	0.47281123	0.44175269	21.10977925	0.15782627	0.50042392
RelInt SD	0.00033702	0.00092183	0.00239590	0.00019942	0.00063928	0.00193525	0.00064099

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	42851.0000000	171539	46360.7000000	89733.2000000	58553.5000000	70531.8000000	235862
Int RSD	0.30658094	0.33836270	0.26136361	0.16615924	0.47667176	0.15183364	0.73791878
Int SD	131.37300000	580.42400000	121.17000000	149.10000000	279.10800000	107.09100000	1740.47000000
RelInt Mean	0.80799700	0.10988900	0.02814310	0.05718550	0.03724780	0.04519190	4.47918000
RelInt RSD	0.48037926	0.27246312	0.18134321	0.08988223	0.40639716	0.18147345	1.07259588
RelInt SD	0.00388145	0.00029941	0.00005104	0.00005140	0.00015137	0.00008201	0.04804350

	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	3049090	63061.8000000	79211.1000000	1534480	36943900	52607.6000000	936460
Int RSD	2.27225172	0.39828073	3.48034556	0.08048525	0.59136691	0.28197827	0.45509792
Int SD	69283.0000000	251.16300000	2756.82000000	1235.03000000	218474	148.34200000	4261.81000000
RelInt Mean	0.08186430	0.04020200	0.00203219	---	---	---	0.61046000
RelInt RSD	2.76670050	0.33831650	4.20530561	---	---	---	0.39830947
RelInt SD	0.00226494	0.00013601	0.00008546	---	---	---	0.00243152

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	1097.62000000	17185.4000000	5009.82000000	-47.88670000	188491	-66.66670000	
Int RSD	6.50803557	0.13879921	0.68728018	25.39661326	0.42441814	15.03599248	
Int SD	71.43350000	23.85320000	34.43150000	12.16160000	799.99000000	10.02400000	
RelInt Mean	0.02022490	0.32230100	0.00150486	-0.00003634	0.12107100	-0.00005128	
RelInt RSD	3.80469619	0.55765263	1.80418112	19.62342233	0.37435802	14.54557155	
RelInt SD	0.00076950	0.00179732	0.00002715	0.00000713	0.00045324	0.00000746	

Sample Name: ICAL,L5,S18512

Sample Type: Calibration Sample

Measure Date: 2023-06-21 13:43:47

Recalculation Date: 2023-06-21 14:00:21

State: Recalculated

Quality: Recalc | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	24712.9000000	2864.08000000	109557	506784	2211100	22252.9000000	594740
Int RSD	0.50462714	3.86008771	0.46186916	0.37846301	0.35850436	1.01588108	0.64855903
Int SD	124.70800000	110.55600000	506.01000000	1917.99000000	7926.89000000	226.06300000	3857.24000000
RelInt Mean	0.00006373	0.05195250	0.07420460	0.34716900	1.52131000	0.43304200	0.40715300
RelInt RSD	6.05606776	2.36764352	0.35160758	0.13888884	0.15756158	0.33727214	0.18501767
RelInt SD	0.00000386	0.00123005	0.00026091	0.00048218	0.00239700	0.00146053	0.00075331
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	890487	4611060	3588070	22121.3000000	6017.32000000	8561750	982553
Int RSD	0.63443599	2.51556041	0.35790550	1.56706884	0.96446757	0.38662657	0.59675559
Int SD	5649.57000000	115994	12841.9000000	346.65600000	58.03510000	33102.0000000	5863.44000000
RelInt Mean	0.61086300	0.13210200	2.47043000	0.43168300	0.11582300	5.89889000	0.67533900
RelInt RSD	0.19038802	2.90417253	0.13359294	0.97352919	1.01723319	0.08611993	0.12799083
RelInt SD	0.00116301	0.00383647	0.00330032	0.00420256	0.00117819	0.00508012	0.00086437
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	199359	796439	199464	407898	264687	319129	1111490
Int RSD	0.28659504	0.62823644	0.70702984	0.58168219	0.26430917	0.45517330	0.11186785
Int SD	571.35300000	5003.52000000	1410.27000000	2372.67000000	699.59200000	1452.59000000	1243.40000000
RelInt Mean	3.87175000	0.54595600	0.13467500	0.27898700	0.18101100	0.21859900	21.63580000
RelInt RSD	0.75538968	0.18361370	0.34160609	0.11919408	0.26059742	0.21267847	0.73488847
RelInt SD	0.02924680	0.00100245	0.00046006	0.00033254	0.00047171	0.00046491	0.15899900
	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	14055000	282226	357322	1455380	34674000	51342.4000000	4114830
Int RSD	2.57282818	0.29680115	3.05189717	0.47282703	0.46009113	0.61895042	0.72426564
Int SD	361611	837.65000000	10905.1000000	6881.43000000	159532	317.78400000	29802.3000000
RelInt Mean	0.40453800	0.19284100	0.01015630	---	---	---	2.83404000
RelInt RSD	2.95153978	0.18869431	3.44389197	---	---	---	0.25920206
RelInt SD	0.01194010	0.00036388	0.00034977	---	---	---	0.00734589
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	15360.9000000	93609.6000000	12124.3000000	-9.51070000	928450	41.08740000	
Int RSD	2.25462050	0.51906108	1.03469066	51.28350174	0.55862567	21.20912981	
Int SD	346.33000000	485.89100000	125.44900000	4.87742000	5186.56000000	8.71428000	
RelInt Mean	0.29808900	1.81561000	0.00606826	-0.00002787	0.63661500	-0.00003294	
RelInt RSD	1.53278719	0.54916585	1.13045585	21.30079375	0.08256497	31.26529101	
RelInt SD	0.00456907	0.00997071	0.00006860	0.00000594	0.00052562	0.00001030	

Sample Name: ICAL,L6,S18437

Sample Type: Calibration Sample

Measure Date: 2023-06-21 13:47:06

Recalculation Date: 2023-06-21 14:00:20

State: Recalculated

Quality: Recalc | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28592.1000000	7308.11000000	210396	1013100	4363320	45553.5000000	1160970
Int RSD	1.59017001	1.00287762	0.35463982	0.36297996	0.42056737	1.12236162	0.37245665
Int SD	454.66300000	73.29140000	746.14800000	3677.35000000	18350.7000000	511.27500000	4324.11000000
RelInt Mean	0.00008345	0.14179300	0.14671300	0.71253900	3.07674000	0.90999400	0.81588800
RelInt RSD	3.60820208	1.11179677	0.11881292	0.01403432	0.28994585	0.73367187	0.23704356
RelInt SD	0.00000301	0.00157645	0.00017431	0.00010000	0.00892088	0.00667637	0.00193401
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1597650	9084460	6878720	48148.8000000	13730.9000000	16547200	1820620
Int RSD	0.55318812	2.52678750	0.48015038	0.33750997	0.35082915	0.18322858	0.45773308
Int SD	8838.01000000	229545	33028.2000000	162.50700000	48.17200000	30319.2000000	8333.58000000
RelInt Mean	1.12376000	0.26805200	4.85244000	0.96305300	0.27376000	11.67770000	1.28265000
RelInt RSD	0.34987987	3.12256204	0.36116469	0.11043733	0.83925336	0.42175942	0.31346821
RelInt SD	0.00393181	0.00837009	0.01752530	0.00106357	0.00229754	0.04925180	0.00402070
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	400570	1481050	384675	828855	519174	621797	2078260
Int RSD	0.33509499	0.43281658	0.43437707	0.33130282	0.28352922	0.34773728	0.21558275
Int SD	1342.29000000	6410.23000000	1670.94000000	2746.02000000	1472.01000000	2162.22000000	4480.37000000
RelInt Mean	7.99208000	1.04124000	0.26782800	0.58207900	0.36465200	0.43712500	41.54740000
RelInt RSD	0.76333320	0.33352253	0.39274460	0.03533747	0.19868039	0.17183003	0.63915672
RelInt SD	0.06100620	0.00347277	0.00105188	0.00020569	0.00072449	0.00075111	0.26555300
	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	27864400	534071	701906	1421970	33736600	49972.6000000	8096960
Int RSD	2.49440505	0.30317130	2.98025662	0.35870518	0.73327781	0.43198673	0.32902349
Int SD	695051	1619.15000000	20918.6000000	5100.68000000	247383	215.87500000	26640.9000000
RelInt Mean	0.82505200	0.37461000	0.02062100	---	---	---	5.71211000
RelInt RSD	3.01496148	0.13837938	3.57481693	---	---	---	0.26432789
RelInt SD	0.02487500	0.00051838	0.00073716	---	---	---	0.01509870
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	31897.4000000	184899	19159.9000000	27.28900000	1760660	234.47800000	
Int RSD	1.05442136	0.35263306	1.40338937	35.14518671	0.32589824	8.87912725	
Int SD	336.33300000	652.01500000	268.88800000	9.59077000	5737.96000000	20.81960000	
RelInt Mean	0.63743700	3.68260000	0.01074290	-0.00002891	1.23816000	0.00000462	
RelInt RSD	0.75618767	0.57658719	1.42203688	31.19524572	0.35890434	236.70791046	
RelInt SD	0.00482022	0.02123340	0.00015277	0.00000902	0.00444381	0.00001094	

Sample Name: ICAL,L7,S18468					Sample Type: Calibration Sample		
Measure Date: 2023-06-21 13:50:26			Recalculation Date: 2023-06-21 14:00:20		State: Recalculated		Quality: Recalc Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1513010	335.23500000	1317.10000000	4806.16000000	3244.71000000	-141.65800000	2861.14000000
Int RSD	3.31716248	41.57680433	2.21845722	5.08337217	1.93335614	37.12991854	1.43243602
Int SD	50189.0000000	139.38000000	29.21930000	244.31500000	62.73180000	52.59750000	40.98400000
RelInt Mean	0.03861390	0.00529887	0.00007306	0.00151328	0.00020469	-0.00317238	0.00006737
RelInt RSD	4.05087287	49.29919020	23.72868829	10.33020988	13.66754115	73.41428202	34.73799840
RelInt SD	0.00156420	0.00261230	0.00001734	0.00015632	0.00002798	0.00232898	0.00002340
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	2495.24000000	25247.7000000	7064.47000000	-187.18000000	-14.43700000	3723.93000000	2508.85000000
Int RSD	0.38225141	1.35611165	25.03613151	43.83999359	372.75126411	2.84720712	9.94176615
Int SD	9.53809000	342.38700000	1768.67000000	82.05970000	53.81410000	106.02800000	249.42400000
RelInt Mean	0.00005159	0.00017203	0.00248437	-0.00247398	-0.00039157	0.00048505	0.00046334
RelInt RSD	6.23214504	4.30051967	44.83551162	54.22962190	301.91666773	13.80414390	34.33561891
RelInt SD	0.00000322	0.00000740	0.00111388	0.00134163	0.00118220	0.00006696	0.00015909
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	2406.34000000	3101.83000000	2741.90000000	2693.44000000	1551.10000000	2239.43000000	113.06900000
Int RSD	10.72292361	0.75152088	0.87080856	8.87170310	2.13501386	16.70666196	42.97490913
Int SD	258.03000000	23.31090000	23.87670000	238.95400000	33.11620000	374.13400000	48.59130000
RelInt Mean	0.04050790	0.00009801	-0.00020403	0.00046829	0.00008642	0.00065728	0.00063935
RelInt RSD	8.70077195	21.91516650	9.49674808	30.30449276	38.79497774	34.29000470	204.61000895
RelInt SD	0.00352450	0.00002148	0.00001938	0.00014191	0.00003353	0.00022538	0.00130817
	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	58108.9000000	1382.70000000	3954.25000000	1595420	38629700	53154.8000000	2619.35000000
Int RSD	7.76769135	2.90114269	2.15098944	0.21617819	0.73417345	1.12302182	4.75568366
Int SD	4513.72000000	40.11410000	85.05550000	3448.95000000	283609	596.94000000	124.56800000
RelInt Mean	0.00090324	0.00007573	0.00000318	---	---	---	0.00044261
RelInt RSD	12.41685488	18.39739493	95.84818521	---	---	---	18.44075272
RelInt SD	0.00011215	0.00001393	0.00000305	---	---	---	0.00008162
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-70.82570000	193.96200000	3348.48000000	-46.48620000	3002.00000000	-58.27470000	
Int RSD	173.68271687	45.95209371	0.30340632	24.55459900	0.67873085	16.09475467	
Int SD	123.01200000	89.12960000	10.15950000	11.41450000	20.37550000	9.37917000	
RelInt Mean	-0.00239236	0.00037005	0.00052854	-0.00003194	0.00011402	-0.00003915	
RelInt RSD	83.59193432	479.76770832	4.54637991	15.31577728	7.54651652	13.31688428	
RelInt SD	0.00199982	0.00177539	0.00002403	0.00000489	0.00000860	0.00000521	

Sample Name: ICAL,L8,S18177

Sample Type: Calibration Sample

Measure Date: 2023-06-21 13:53:47

Recalculation Date: 2023-06-21 14:00:19

State: Recalculated

Quality: Recalc | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	21722.4000000	352.03100000	1264.38000000	4066.97000000	3163.23000000	-106.40700000	2883.91000000
Int RSD	1.60740526	22.46015266	3.12302472	0.76037443	0.28768442	76.94127266	0.86598750
Int SD	349.16700000	79.06670000	39.48690000	30.92420000	9.10012000	81.87090000	24.97430000
RelInt Mean	0.00005345	0.00611510	0.00002602	0.00102744	0.00010807	-0.00189580	0.00004497
RelInt RSD	15.13905572	26.12320322	108.96454457	2.46281048	3.47721805	74.29211942	34.94893874
RelInt SD	0.00000809	0.00159746	0.00002835	0.00002530	0.00000376	0.00140843	0.00001572
	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	2434.85000000	24560.8000000	4111.00000000	-181.55900000	-61.85740000	3402.14000000	1924.49000000
Int RSD	1.50042508	1.99377463	1.90741182	29.39573362	28.48923492	0.98276379	0.25149364
Int SD	36.53310000	489.68700000	78.41370000	53.37060000	17.62270000	33.43500000	4.83997000
RelInt Mean	0.00001235	0.00015387	0.00060387	-0.00269689	-0.00097310	0.00026676	0.00009605
RelInt RSD	133.81782553	5.88652404	7.56664067	41.06285388	91.37954422	10.20636372	9.37002717
RelInt SD	0.00001653	0.00000906	0.00004569	0.00110742	0.00088922	0.00002723	0.00000900
	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	2542.21000000	3091.79000000	2789.61000000	2169.43000000	1492.98000000	1490.82000000	172.12800000
Int RSD	3.32723890	0.12423580	1.83607386	0.10403839	1.04728797	1.59560510	21.83834123
Int SD	84.58540000	3.84111000	51.21930000	2.25704000	15.63580000	23.78760000	37.58990000
RelInt Mean	0.04221720	0.00007162	-0.00020811	0.00011686	0.00004278	0.00017401	0.00131473
RelInt RSD	3.91475512	13.25713911	13.09903079	4.49282456	23.12890620	5.56269324	79.17671309
RelInt SD	0.00165270	0.00000949	0.00002726	0.00000525	0.00000990	0.00000968	0.00104096
	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	39687.1000000	1328.86000000	3867.33000000	1616690	39035900	53801.1000000	2258.37000000
Int RSD	3.14560651	1.02326054	2.37413926	0.29139353	0.19806460	0.99823052	0.21337469
Int SD	1248.40000000	13.59770000	91.81580000	4710.93000000	77316.3000000	537.05900000	4.81879000
RelInt Mean	0.00042704	0.00002806	0.00000144	---	---	---	0.00021450
RelInt RSD	8.16582209	52.93111375	97.94669436	---	---	---	2.74264096
RelInt SD	0.00003487	0.00001485	0.00000141	---	---	---	0.00000588
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-42.95140000	177.50200000	921887	-35.15990000	2917.32000000	12866.2000000	
Int RSD	56.58791099	25.98398891	0.17580463	32.52483653	0.98314206	1.04375806	
Int SD	24.30530000	46.12210000	1620.72000000	11.43570000	28.68140000	134.29200000	
RelInt Mean	-0.00188745	0.00004317	0.56944300	-0.00002570	0.00003608	0.00797602	
RelInt RSD	48.88685793	2998.79327477	0.27851602	15.78349496	37.07747748	1.29545814	
RelInt SD	0.00092271	0.00129472	0.00158599	0.00000406	0.00001338	0.00010333	

Sample Name: ICV,S18532				Sample Type: Control Sample			
Measure Date: 2023-06-21 14:05:18			Recalculation Date:		State: Check failed		Quality: Failed Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	362720	283.48300000	24309.6000000	113234	495587	24164.4000000	254059
Int RSD	3.35148324	11.38050606	0.13997392	0.42479467	0.34350376	1.24334558	0.31320323
Int SD	12156.5000000	32.26180000	34.02710000	481.01200000	1702.36000000	300.44700000	795.72100000
RelInt Mean	0.00953780	0.00235283	0.01529990	0.07416440	0.33084300	0.46883100	0.16843900
RelInt RSD	4.37221372	28.60716669	0.38238681	0.41950316	0.18381831	1.60282916	0.16187581
RelInt SD	0.00041701	0.00067308	0.00005850	0.00031112	0.00060815	0.00751456	0.00027266
Conc Mean	0.49185800[mg/l]	<0.21568100[mg/l]	1.03810000[mg/l]	1.04213000[mg/l]	1.07336000[mg/l]	52.21780000[mg/l]	1.03052000[mg/l]
Conc RSD	4.39761069	50.95395515	0.38360563	0.42169403	0.18439293	1.59372283	0.16703024
Conc SD	0.02163000[mg/l]	0.10989800[mg/l]	0.00398221[mg/l]	0.00439460[mg/l]	0.00197920[mg/l]	0.83220700[mg/l]	0.00172128[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	177953	993219	397315	12576.0000000	6832.93000000	1871470	199491
Int RSD	0.72482060	3.24363509	0.30833721	1.24679548	1.07674892	0.10726434	0.26594433
Int SD	1289.84000000	32216.4000000	1225.07000000	156.79700000	73.57350000	2007.42000000	530.53500000
RelInt Mean	0.11738300	0.02711710	0.26463900	0.24494500	0.13270300	1.25584000	0.13267700
RelInt RSD	0.50934122	4.15851990	0.07946523	1.08792586	0.91881872	0.18809801	0.03564024
RelInt SD	0.00059788	0.00112767	0.00021030	0.00266482	0.00121930	0.00236221	0.00004729
Conc Mean	1.02520000[mg/l]	1.00972000[mg/l]	1.08240000[mg/l]	52.18160000[mg/l]	49.97600000[mg/l]	1.07256000[mg/l]	1.02281000[mg/l]
Conc RSD	0.50949571	4.18234758	0.08009682	1.08103431	0.91954138	0.18814146	0.03587411
Conc SD	0.00522335[mg/l]	0.04223000[mg/l]	0.00086697[mg/l]	0.56410100[mg/l]	0.45955000[mg/l]	0.00201793[mg/l]	0.00036692[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	110787	170141	46629.5000000	32170.2000000	21015.6000000	341323	48627.3000000
Int RSD	0.54133608	0.16214434	0.58890831	0.31084233	0.87363673	0.14750075	0.79890309
Int SD	599.73000000	275.87400000	274.60500000	99.99860000	183.60000000	503.45400000	388.48500000
RelInt Mean	2.14341000	0.11191900	0.02894050	0.02006020	0.01299240	0.22847500	0.94174500
RelInt RSD	0.19479334	0.20593554	0.58069142	0.18077337	0.68593101	0.14405427	0.30301727
RelInt SD	0.00417522	0.00023048	0.00016806	0.00003626	0.00008912	0.00032913	0.00285365
Conc Mean	53.13060000[mg/l]	1.06305000[mg/l]	1.08510000[mg/l]	1.03392000[mg/l]	1.06748000[mg/l]	5.22209000[mg/l]	1.12009000[mg/l]
Conc RSD	0.19932958	0.20611448	0.57630725	0.18128385	0.68778806	0.14426312	0.30405771
Conc SD	0.10590500[mg/l]	0.00219110[mg/l]	0.00625351[mg/l]	0.00187433[mg/l]	0.00734200[mg/l]	0.00753355[mg/l]	0.00340572[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	3114030	22468.9000000	155155	1491740	35822300	51467.7000000	301086
Int RSD	3.12720494	0.11996893	3.25025297	0.27913846	0.87835510	0.42950822	0.80077121
Int SD	97382.1000000	26.95570000	5042.93000000	4164.02000000	314647	221.05800000	2411.01000000
RelInt Mean	0.08623880	0.01399690	0.00420156	---	---	---	0.20086200
RelInt RSD	3.97633084	0.31942287	4.09093289	---	---	---	0.53978353
RelInt SD	0.00342914	0.00004471	0.00017188	---	---	---	0.00108422
Conc Mean	1.04865000[mg/l]	1.10746000[mg/l]	1.02122000[mg/l]	1487180	35777700	51527.5000000	1.05407000[mg/l]
Conc RSD	3.97955467	0.32948278	4.09382895	---	---	---	0.54047929
Conc SD	0.04173160[mg/l]	0.00364889[mg/l]	0.04180700[mg/l]	4159.43000000	314233	259.62100000	0.00569703[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8906.47000000	18964.5000000	491069	-31.18780000	392003	7193.46000000	
Int RSD	1.93065266	0.40475995	0.16228371	15.96614702	0.23954409	0.32744048	
Int SD	171.95300000	76.76070000	796.92500000	4.97949000	939.02000000	23.55430000	
RelInt Mean	0.17276200	0.36390900	0.32772400	-0.00003338	0.26109600	0.00480809	
RelInt RSD	2.35810537	0.27598383	0.25158853	12.99453866	0.27350591	0.59035501	
RelInt SD	0.00407391	0.00100433	0.00082452	0.00000434	0.00071411	0.00002838	
Conc Mean	0.89610900[mg/l]	0.99178400[mg/l]	5.72884000[mg/l]	<0.65596500[mg/l]	1.04462000[mg/l]	6.05078000[mg/l]	
Conc RSD	2.36670985	0.27597743	0.25280685	804.14046481	0.27380387	0.58487005	
Conc SD	0.02120830[mg/l]	0.00273710[mg/l]	0.01448290[mg/l]	5.27488000[mg/l]	0.00286021[mg/l]	0.03538920[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248487012	Caldate: 21-JUN-2023	Time: 21-JUN-2023 14:11
Cal: 483248487001		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	38869500	38432000	-1.13
Yttrium	A	1612450	1575100	-2.32
Yttrium	R	54209	52886	-2.44

Sample Name: ICB,1				Sample Type: Control Sample			
Measure Date: 2023-06-21 14:11:57			Recalculation Date:		State: Checked		Quality: Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	21611.5000000	95.24960000	1244.05000000	3888.88000000	3080.81000000	-131.56200000	2850.14000000
Int RSD	0.92803369	101.33564865	0.62547084	0.93654471	0.85087363	49.95249388	0.47409952
Int SD	200.56200000	96.52180000	7.78117000	36.42110000	26.21380000	65.71850000	13.51250000
RelInt Mean	0.00005321	0.00145903	0.00002534	0.00097581	0.00010558	-0.00138729	0.00007152
RelInt RSD	14.58900737	102.47767352	47.25073502	3.28320399	20.09073344	121.01579338	7.08017114
RelInt SD	0.00000776	0.00149518	0.00001197	0.00003204	0.00002121	0.00167884	0.00000506
Conc Mean	<0.00009577[mg/l]	<0.06974310[mg/l]	<-0.00012732[mg/l]	0.00891053[mg/l]	<0.00000135[mg/l]	<0.14707400[mg/l]	<0.00003216[mg/l]
Conc RSD	420.44211010	350.04036242	639.78368783	5.07581479	5171.88533545	126.40575493	96.52343981
Conc SD	0.00040265[mg/l]	0.24412900[mg/l]	0.00081455[mg/l]	0.00045228[mg/l]	0.00006959[mg/l]	0.18591000[mg/l]	0.00003104[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	2434.39000000	24265.6000000	3712.21000000	-187.92000000	3.73157000	3245.15000000	1794.29000000
Int RSD	0.78023653	0.66877802	0.65552326	52.82806513	1683.81405146	0.49373681	1.40030318
Int SD	18.99400000	162.28300000	24.33440000	99.27450000	62.83270000	16.02250000	25.12550000
RelInt Mean	0.00000306	0.00014854	0.00039129	-0.00290083	0.00044234	0.00018969	0.00002277
RelInt RSD	215.63459947	3.29607039	5.10084540	30.89150347	470.93864448	6.87267379	83.48329754
RelInt SD	0.00000659	0.00000490	0.00001996	0.00089611	0.00208315	0.00001304	0.00001901
Conc Mean	<-0.00021548[mg/l]	<-0.00016549[mg/l]	<-0.00264791[mg/l]	<-0.28897000[mg/l]	<0.11617500[mg/l]	<-0.00008027[mg/l]	<-0.00026492[mg/l]
Conc RSD	26.72297532	110.78440259	3.09514674	65.65110565	675.97073381	13.87434033	55.34529944
Conc SD	0.00005758[mg/l]	0.00018334[mg/l]	0.00008196[mg/l]	0.18971200[mg/l]	0.78530900[mg/l]	0.00001114[mg/l]	0.00014662[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	2133.90000000	3029.37000000	2738.01000000	1917.33000000	1423.50000000	1335.86000000	126.82400000
Int RSD	4.48857022	0.47978293	1.60182395	0.99919158	1.33416228	2.25094696	80.67715890
Int SD	95.78160000	14.53440000	43.85810000	19.15780000	18.99180000	30.06950000	102.31800000
RelInt Mean	0.03481610	0.00005004	-0.00020927	-0.00000686	0.00001412	0.00009246	0.00093037
RelInt RSD	5.31693670	38.04385402	6.67681295	167.90307853	84.74761062	35.72627535	162.71248381
RelInt SD	0.00185115	0.00001904	0.00001397	0.00001151	0.00001197	0.00003303	0.00151382
Conc Mean	<-0.36948900[mg/l]	<-0.00027567[mg/l]	<-0.00051760[mg/l]	<-0.00284373[mg/l]	<-0.00170848[mg/l]	<-0.00704540[mg/l]	<-0.00193057[mg/l]
Conc RSD	12.71160982	65.64598335	103.12000696	21.04166007	57.72241993	10.73506117	93.51590463
Conc SD	0.04696800[mg/l]	0.00018096[mg/l]	0.00053374[mg/l]	0.00059837[mg/l]	0.00098618[mg/l]	0.00075633[mg/l]	0.00180539[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	23180.6000000	1288.79000000	3892.87000000	1575100	38432000	52886.2000000	2070.86000000
Int RSD	0.57935515	1.39506824	0.62681518	0.36603263	0.61693120	0.80773623	0.69481278
Int SD	134.29800000	17.97950000	24.40110000	5765.38000000	237099	427.18100000	14.38860000
RelInt Mean	0.00000492	0.00001464	0.00000159	---	---	---	0.00012356
RelInt RSD	4.60297842	48.85267631	63.16163790	---	---	---	8.87783677
RelInt SD	0.00000023	0.00000715	0.00000100	---	---	---	0.00001097
Conc Mean	<-0.00067957[mg/l]	<0.00041892[mg/l]	<0.00005038[mg/l]	1570920	38388500	52993.6000000	<-0.00073269[mg/l]
Conc RSD	0.40544172	135.86068117	484.58912267	---	---	---	7.87387486
Conc SD	0.00000276[mg/l]	0.00056915[mg/l]	0.00024414[mg/l]	5763.47000000	237024	428.50700000	0.00005769[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	55.79970000	154.02600000	3327.26000000	-53.08490000	2828.11000000	-73.79870000	
Int RSD	128.67578141	45.93497202	1.18456929	25.87327093	0.18972529	6.68781428	
Int SD	71.80070000	70.75180000	39.41370000	13.73480000	5.36564000	4.93552000	
RelInt Mean	0.00072136	-0.00067713	0.00051419	-0.00004002	0.00001434	-0.00004812	
RelInt RSD	162.36208400	97.16673091	4.77218627	25.85049821	84.53571578	7.94703790	
RelInt SD	0.00117122	0.00065795	0.00002454	0.00001035	0.00001212	0.00000382	
Conc Mean	<0.00049119[mg/l]	<-0.00184543[mg/l]	<0.00123499[mg/l]	<-7.42312000[mg/l]	<-0.00011367[mg/l]	<-0.00311324[mg/l]	
Conc RSD	1241.31746158	97.16705592	34.89663884	169.49746198	43.30597343	153.13210674	
Conc SD	0.00609719[mg/l]	0.00179315[mg/l]	0.00043097[mg/l]	12.58200000[mg/l]	0.00004923[mg/l]	0.00476737[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248487013	Caldate: 21-JUN-2023	Time: 21-JUN-2023 14:15
Cal: 483248487001		

Standards: S18280, S14463 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.008394	0.003333	mg/l	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	142.9	mg/l	89	
Calcium	R	400.0	396.1	mg/l	99	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	38869500	32640500	-16.03
Yttrium	A	1612450	1372450	-14.88
Yttrium	R	54209	49361	-8.94

+ = high bias a = ICSA

Sample Name: ICSA,S18280 Sample Type: Control Sample

Measure Date: 2023-06-21 14:15:15 Recalculation Date: State: Checked Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	24237.9000000	145232	7544.3200000	6597.6400000	6917.2600000	176688	4886.6400000
Int RSD	0.52066804	1.06718905	0.56472817	0.83695230	0.30829259	0.50939509	1.09950191
Int SD	126.19900000	1549.90000000	42.60490000	55.21910000	21.32540000	900.04000000	53.72870000
RelInt Mean	0.00002353	2.92566000	0.00016414	0.00109480	0.00166681	3.57464000	0.00031229
RelInt RSD	28.66564958	0.42439655	5.26077129	4.49511326	0.74454197	0.61294284	7.34318111
RelInt SD	0.00000675	0.012141640	0.00000864	0.00004921	0.00001241	0.02191050	0.00002293
Conc Mean	<0.00163518[mg/l]	>477.52600000[mg/l]	0.00932118[mg/l]	0.01059040[mg/l]	0.00509279[mg/l]	>396.14700000[mg/l]	0.00150639[mg/l]
Conc RSD	21.39691043	0.42462819	6.30735594	6.56064927	0.83628816	0.61265641	9.33503276
Conc SD	0.00034988[mg/l]	2.02771000[mg/l]	0.00058792[mg/l]	0.00069480[mg/l]	0.00004259[mg/l]	2.42702000[mg/l]	0.00014062[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	4069.94000000	29702.5000000	47547700	-286.04700000	59184.6000000	13349.9000000	12567.5000000
Int RSD	2.01328521	1.10134500	0.42572196	18.58715526	0.69763925	2.22015146	1.19650686
Int SD	81.93950000	327.12700000	202421	53.16800000	412.89500000	296.38800000	150.37100000
RelInt Mean	-0.00075770	0.00020848	34.79040000	-0.00507784	1.19721000	0.00446632	-0.00022498
RelInt RSD	8.36668409	3.04722823	0.44382646	20.50005514	0.26585896	5.37317075	36.27219671
RelInt SD	0.00006339	0.00000635	0.15440900	0.00104096	0.00318289	0.00023998	0.00008160
Conc Mean	<0.00686137[mg/l]	0.00207899[mg/l]	>142.85200000[mg/l]	<0.74985900[mg/l]	>451.27400000[mg/l]	0.00357301[mg/l]	<0.00217564[mg/l]
Conc RSD	8.07137642	11.44257548	0.44389718	29.38925851	0.26587616	5.73757140	28.92739608
Conc SD	0.00055381[mg/l]	0.00023789[mg/l]	0.63411600[mg/l]	0.22037800[mg/l]	1.19983000[mg/l]	0.00020500[mg/l]	0.00062936[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	570.41500000	5000.58000000	10479.4000000	14562.4000000	10170.4000000	7852.60000000	224.36500000
Int RSD	14.47006127	0.58302637	1.09637002	0.74695792	1.65209825	1.60439854	9.16314933
Int SD	82.53940000	29.15470000	114.89300000	108.77500000	168.02500000	125.98700000	20.55890000
RelInt Mean	0.00711087	0.00012826	0.00090605	-0.00001797	0.00018155	0.00014377	0.00291531
RelInt RSD	8.13112882	25.09971777	7.75597734	599.64283131	48.91355957	42.52900426	33.07569349
RelInt SD	0.00057819	0.00003219	0.00007027	0.00010778	0.00008880	0.00006114	0.00096426
Conc Mean	<-1.07244000[mg/l]	<0.00046781[mg/l]	0.00839368[mg/l]	<-0.00338254[mg/l]	0.01208420[mg/l]	<-0.00587056[mg/l]	<0.00043670[mg/l]
Conc RSD	1.36784342	65.41139301	30.22952984	165.58828573	60.53913374	23.84781009	263.33530266
Conc SD	0.01466930[mg/l]	0.00030600[mg/l]	0.00253737[mg/l]	0.00560109[mg/l]	0.00731567[mg/l]	0.00140000[mg/l]	0.00114998[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	31753.1000000	8117.88000000	7202.43000000	1372450	32640500	49361.1000000	14825.0000000
Int RSD	1.39151138	0.47436646	0.09508013	0.29509636	0.38421286	0.89139424	1.40489039
Int SD	441.84800000	38.50850000	6.84808000	4050.05000000	125409	440.00200000	208.27500000
RelInt Mean	0.00009808	-0.00001687	-0.00000566	---	---	---	0.00066883
RelInt RSD	5.41469810	83.83450402	78.55188578	---	---	---	21.14235648
RelInt SD	0.00000531	0.00001414	0.00000445	---	---	---	0.00014141
Conc Mean	0.00045409[mg/l]	<0.00208545[mg/l]	<-0.00171242[mg/l]	1366430	32585000	49419.2000000	0.00213726[mg/l]
Conc RSD	14.23136383	53.87614184	63.18309760	---	---	---	34.79586012
Conc SD	0.00006462[mg/l]	0.00112356[mg/l]	0.00108196[mg/l]	4029.27000000	125398	451.76600000	0.00074368[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-28.53730000	86.01330000	6844.30000000	88.71150000	4764.49000000	750.50500000	
Int RSD	141.35254562	50.95200393	0.98583785	11.81188459	0.44317440	2.56789762	
Int SD	40.33820000	43.82550000	67.47370000	10.47850000	21.11500000	19.27220000	
RelInt Mean	-0.00120813	-0.00135873	0.00107561	-0.00001234	-0.00036575	0.00005049	
RelInt RSD	99.97516824	21.36473030	2.03967051	48.31726250	1.93421646	20.98301298	
RelInt SD	0.000120783	0.00029029	0.00002194	0.00000596	0.00000707	0.00001059	
Conc Mean	<-0.00955348[mg/l]	<-0.00370303[mg/l]	0.01114480[mg/l]	>26.24110000[mg/l]	<-0.00167447[mg/l]	0.11981300[mg/l]	
Conc RSD	65.81643548	21.36482826	3.33511593	27.63363579	1.74643917	11.02200930	
Conc SD	0.00628776[mg/l]	0.00079115[mg/l]	0.00037169[mg/l]	7.25137000[mg/l]	0.00002924[mg/l]	0.01320580[mg/l]	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248487014	File: met06_master011
Cal: 483248487001	Time: 21-JUN-2023 14:18
Caldate: 21-JUN-2023	

Standards: S18548, S14463 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.020	mg/l	2	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	38869500	32590100	-16.16
Yttrium	A	1612450	1369950	-15.04
Yttrium	R	54209	48203	-11.08

Sample Name: ICSAB,S18548				Sample Type: Control Sample			
Measure Date: 2023-06-21 14:18:35			Recalculation Date:		State: Check failed		Quality: Failed Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	668748	142664	7474.29000000	6628.79000000	222261	173114	112345
Int RSD	3.93617626	0.64182975	0.18741044	1.93451595	0.19854045	0.09733470	0.78737817
Int SD	26323.1000000	915.66000000	14.00760000	128.23500000	441.27800000	168.50000000	884.58000000
RelInt Mean	0.01977020	2.94453000	0.00016125	0.00110531	0.15938100	3.58822000	0.07889470
RelInt RSD	4.22450962	0.70243468	20.36006202	7.01989487	0.29094371	0.40511451	0.53718818
RelInt SD	0.00083519	0.02068340	0.00003283	0.00007759	0.00046371	0.01453640	0.00042381
Conc Mean	1.02260000[mg/l]	>480.60800000[mg/l]	0.00865883[mg/l]	0.01073870[mg/l]	0.51872000[mg/l]	>397.65100000[mg/l]	0.48330800[mg/l]
Conc RSD	4.23599648	0.70267453	25.81618995	10.20021045	0.29143661	0.40481980	0.53763025
Conc SD	0.04331730[mg/l]	3.37711000[mg/l]	0.00223538[mg/l]	0.00109537[mg/l]	0.00151174[mg/l]	1.60977000[mg/l]	0.00259841[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	86496.9000000	496613	47147100	-257.49100000	57222.9000000	826091	12481.2000000
Int RSD	0.58465795	3.50286843	0.40134600	22.33627583	0.32281656	0.03990250	0.66737573
Int SD	505.71100000	17395.7000000	189223	57.51390000	184.72500000	329.63100000	83.29650000
RelInt Mean	0.05960490	0.01451680	34.56180000	-0.00442182	1.18545000	0.60031400	-0.00018403
RelInt RSD	0.53760681	3.75979555	0.40045657	24.65568476	0.14479396	0.29765256	49.51769520
RelInt SD	0.00032044	0.00054580	0.13840500	0.00109023	0.00171646	0.00178685	0.00009113
Conc Mean	0.52045700[mg/l]	0.53787700[mg/l]	>141.91300000[mg/l]	<-0.61097400[mg/l]	>446.84200000[mg/l]	0.51257200[mg/l]	<-0.00185986[mg/l]
Conc RSD	0.53793685	3.79980925	0.40043971	37.77705762	0.14472588	0.29778841	37.78881206
Conc SD	0.00279973[mg/l]	0.02043830[mg/l]	0.56827600[mg/l]	0.23080800[mg/l]	0.64669600[mg/l]	0.00152638[mg/l]	0.00070282[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	500.18400000	142572	47541.4000000	14630.6000000	9984.47000000	7798.12000000	160.41500000
Int RSD	6.29140476	0.35435149	0.44817149	0.47798723	1.21935366	0.62473263	15.45005143
Int SD	31.46860000	505.20600000	213.06700000	69.93240000	121.74600000	48.71740000	24.78420000
RelInt Mean	0.00560971	0.10082800	0.02806370	0.00013344	0.00016706	0.00016194	0.00105255
RelInt RSD	6.90675632	0.24194172	0.15268977	40.83658083	62.16576980	13.63053667	25.80418982
RelInt SD	0.00038745	0.00024395	0.00004285	0.00005449	0.00010386	0.00002207	0.00027160
Conc Mean	<-1.11052000[mg/l]	0.95763500[mg/l]	1.01972000[mg/l]	<0.00139215[mg/l]	0.01089100[mg/l]	<-0.00545451[mg/l]	<-0.00178484[mg/l]
Conc RSD	0.88503404	0.24182178	0.14532813	202.91060590	78.56000367	9.26587356	18.14812532
Conc SD	0.00982848[mg/l]	0.00231577[mg/l]	0.00148194[mg/l]	0.00282482[mg/l]	0.00855597[mg/l]	0.00050541[mg/l]	0.00032392[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	31805.0000000	8184.04000000	74345.4000000	1369950	32590100	48203.4000000	260730
Int RSD	1.76099041	0.37715114	4.01139815	0.33156028	0.39118014	0.34150288	0.34348713
Int SD	560.08300000	30.86620000	2982.29000000	4542.21000000	127486	164.61600000	895.57400000
RelInt Mean	0.00009817	0.00006323	0.00205572	---	---	---	0.18099600
RelInt RSD	7.72492103	62.93265817	4.47719534	---	---	---	0.59552697
RelInt SD	0.00000758	0.00003979	0.00009204	---	---	---	0.00107788
Conc Mean	0.00045513[mg/l]	<0.00428671[mg/l]	0.49968300[mg/l]	1363880	32534700	48248.5000000	0.94988700[mg/l]
Conc RSD	20.27458089	73.89536498	4.48028050	---	---	---	0.59654148
Conc SD	0.00009228[mg/l]	0.00316768[mg/l]	0.02238720[mg/l]	4535.66000000	127442	159.02700000	0.00566647[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	2720.57000000	150.05600000	6831.68000000	90.84530000	357100	715.83700000	
Int RSD	7.28207692	24.01203551	1.03266986	15.03445968	0.24439289	2.26263800	
Int SD	198.11400000	36.03150000	70.54870000	13.65810000	872.72700000	16.19680000	
RelInt Mean	0.05544560	0.00003656	0.00103857	-0.00001993	0.25764700	0.00003264	
RelInt RSD	7.67390018	3599.03930059	9.84584573	41.24803716	0.11086137	40.69522698	
RelInt SD	0.00425484	0.00131569	0.00010226	0.00000822	0.00028563	0.00001328	
Conc Mean	0.28537700[mg/l]	<0.00009963[mg/l]	0.01048670[mg/l]	>17.00900000[mg/l]	1.03452000[mg/l]	0.09756560[mg/l]	
Conc RSD	7.76173273	3599.04727205	17.26768192	58.78405550	0.11043769	16.97186303	
Conc SD	0.02215020[mg/l]	0.00358572[mg/l]	0.00181081[mg/l]	9.99858000[mg/l]	0.00114250[mg/l]	0.01655870[mg/l]	

ENTHALPY CONTINUING CALIBRATION FOR 487140 METALS Wipe
EPA 6010B

Inst: MET06	IDF: 1.0
Seqnum: 483248487025	File: met06_master011
Cal: 483248487001	Time: 21-JUN-2023 14:54
Caldate: 21-JUN-2023	

Standards: S18532, S14463 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0152	0.0286	1.000	1.073	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	38869500	37268100	-4.12
Yttrium	A	1612450	1569980	-2.63
Yttrium	R	54209	50880	-6.14

Sample Name: CCV,S18532				Sample Type: Control Sample			
Measure Date: 2023-06-21 14:54:56			Recalculation Date:		State: Check failed		Quality: Failed Drifted
	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	370818	246.15200000	25212.9000000	113286	510628	24112.0000000	263782
Int RSD	3.41606934	5.24123306	0.87149039	0.43634341	0.35592447	1.67740129	0.27511885
Int SD	12667.4000000	12.90140000	219.72800000	494.31600000	1817.45000000	404.45500000	725.71400000
RelInt Mean	0.00933806	0.00161548	0.01504870	0.07038430	0.32377200	0.47293100	0.16611800
RelInt RSD	4.37146474	48.99800678	0.64131453	0.20253096	0.37529496	0.72177760	0.40722137
RelInt SD	0.00040821	0.00079155	0.00009651	0.00014255	0.00121510	0.00341351	0.00067647
Conc Mean	0.48149800[mg/l]	<0.09528790[mg/l]	1.02102000[mg/l]	0.98876700[mg/l]	1.05042000[mg/l]	52.67190000[mg/l]	1.01632000[mg/l]
Conc RSD	4.39742221	135.63422008	0.64323030	0.20349385	0.37630281	0.71760844	0.40738842
Conc SD	0.02117350[mg/l]	0.12924300[mg/l]	0.00656751[mg/l]	0.00201208[mg/l]	0.00395276[mg/l]	0.37797800[mg/l]	0.00414037[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	184073	1008730	413160	12030.7000000	6518.59000000	1926320	205285
Int RSD	0.26764382	3.43372359	0.50280763	2.61400417	1.79423771	0.60032601	0.21942422
Int SD	492.66000000	34637.0000000	2077.40000000	314.48300000	116.95900000	11564.2000000	450.44500000
RelInt Mean	0.11531500	0.02644320	0.26142700	0.23745500	0.12693800	1.22819000	0.12967200
RelInt RSD	0.10856263	4.28378562	0.21765158	1.11884778	2.18184468	0.59302551	0.24587883
RelInt SD	0.00012519	0.00113277	0.00056900	0.00265676	0.00276959	0.00728348	0.00031884
Conc Mean	1.00713000[mg/l]	0.98448500[mg/l]	1.06922000[mg/l]	50.59590000[mg/l]	47.80250000[mg/l]	1.04893000[mg/l]	0.99963000[mg/l]
Conc RSD	0.10816181	4.30875026	0.21846019	1.11158809	2.18400711	0.59326361	0.24648320
Conc SD	0.00108933[mg/l]	0.04241900[mg/l]	0.00233582[mg/l]	0.56241800[mg/l]	1.04401000[mg/l]	0.00622292[mg/l]	0.00246392[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	105945	175814	48590.1000000	32870.7000000	21675.0000000	354571	46455.2000000
Int RSD	0.90879796	0.36339484	0.26195460	0.29643604	0.45264821	0.25703907	1.69515361
Int SD	962.82600000	638.89900000	127.28400000	97.44060000	98.11150000	911.38600000	787.48700000
RelInt Mean	2.07595000	0.10979600	0.02861000	0.01940580	0.01267630	0.22549100	0.91039900
RelInt RSD	0.80193165	0.14075558	0.35388326	0.10857063	0.22714278	0.31462098	0.28236520
RelInt SD	0.01664770	0.00015454	0.00010125	0.00002107	0.00002879	0.00070944	0.00257065
Conc Mean	51.41900000[mg/l]	1.04288000[mg/l]	1.07279000[mg/l]	1.00002000[mg/l]	1.04143000[mg/l]	5.15375000[mg/l]	1.08271000[mg/l]
Conc RSD	0.82148039	0.14086856	0.35239795	0.10884482	0.22768405	0.31534126	0.28322173
Conc SD	0.42239700[mg/l]	0.00146909[mg/l]	0.00378049[mg/l]	0.00108847[mg/l]	0.00237117[mg/l]	0.01625190[mg/l]	0.00306647[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	3186060	23210.3000000	159702	1569980	37268100	50879.8000000	319283
Int RSD	2.41713276	0.61173272	2.90337629	0.35749245	0.78419614	1.50390725	0.53573162
Int SD	77011.3000000	141.98500000	4636.75000000	5612.56000000	292255	765.18500000	1710.50000000
RelInt Mean	0.08476930	0.01370420	0.00414850	---	---	---	0.20238400
RelInt RSD	3.21727323	0.48081245	3.74142461	---	---	---	0.27932495
RelInt SD	0.00272726	0.00006589	0.00015521	---	---	---	0.00056531
Conc Mean	1.03077000[mg/l]	1.08428000[mg/l]	1.00832000[mg/l]	1565120	37220700	50893.0000000	1.06208000[mg/l]
Conc RSD	3.21959312	0.48782510	3.74399992	---	---	---	0.27995725
Conc SD	0.03318660[mg/l]	0.00528939[mg/l]	0.03775150[mg/l]	5616.59000000	291507	803.54200000	0.00297337[mg/l]
	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	8468.53000000	18108.9000000	505037	-32.74240000	403733	7353.36000000	
Int RSD	3.51798954	2.33062748	0.83186776	32.98964034	0.34008119	0.78698173	
Int SD	297.92200000	422.05100000	4201.24000000	10.80160000	1373.02000000	57.86960000	
RelInt Mean	0.16527700	0.35149700	0.32021600	-0.00002955	0.25540900	0.00467137	
RelInt RSD	2.31574266	1.00612523	0.58093287	25.88643962	0.17408040	0.52318485	
RelInt SD	0.00382739	0.00353650	0.00186024	0.00000765	0.00044462	0.00002444	
Conc Mean	0.85714700[mg/l]	0.95795800[mg/l]	5.59740000[mg/l]	---	1.02185000[mg/l]	5.88033000[mg/l]	
Conc RSD	2.32447877	1.00615058	0.58419445	175.10277376	0.17410090	0.51818690	
Conc SD	0.01992420[mg/l]	0.00963850[mg/l]	0.03269970[mg/l]	9.30258000[mg/l]	0.00177905[mg/l]	0.03047110[mg/l]	

ENTHALPY INSTRUMENT BLANK FOR 487140 METALS Wipe

EPA 6010B

Inst: MET06	File: met06_master011	IDF: 1.0
Seqnum: 483248487026	Caldate: 21-JUN-2023	Time: 21-JUN-2023 15:04
Cal: 483248487001		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	38869500	39685600	2.10
Yttrium	A	1612450	1671680	3.67
Yttrium	R	54209	53482	-1.34

Sample Name: CCB,1 Sample Type: Control Sample

Measure Date: 2023-06-21 15:04:03 Recalculation Date: State: Checked Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	22690.0000000	105.19000000	1355.34000000	3756.09000000	3322.23000000	1.99990000	2997.86000000
Int RSD	0.43843411	93.58608233	2.77342217	1.52845113	0.64653862	3888.63943197	1.78814888
Int SD	99.48070000	98.44320000	37.58930000	57.41000000	21.47950000	77.76890000	53.60620000
RelInt Mean	0.00005165	0.00196404	0.00004271	0.00073333	0.00013860	0.00099607	0.00005369
RelInt RSD	4.45188082	61.07767663	34.67266329	3.23796446	4.86836314	199.13861476	39.10592258
RelInt SD	0.00000230	0.00119959	0.00001481	0.00002374	0.00000675	0.00198356	0.00002100
Conc Mean	<0.00017654[mg/l]	<0.15220000[mg/l]	<0.00105454[mg/l]	0.00548737[mg/l]	<0.00010633[mg/l]	0.41100100[mg/l]	<0.00008174[mg/l]
Conc RSD	67.55992840	128.68988173	95.53549415	6.10880987	19.86259499	53.44390890	157.87033412
Conc SD	0.00011927[mg/l]	0.19586600[mg/l]	0.00100746[mg/l]	0.00033521[mg/l]	0.00002112[mg/l]	0.21965500[mg/l]	0.00012905[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	2579.98000000	25721.3000000	6307.92000000	-126.79800000	0.01503330	3698.08000000	2047.14000000
Int RSD	1.45986015	0.87480804	9.05731208	68.24374201	447254	1.79915253	2.79449378
Int SD	37.66410000	225.01200000	571.32800000	86.53170000	67.23700000	66.53410000	57.20720000
RelInt Mean	0.00001108	0.00015849	0.00180714	-0.00077575	0.00018415	0.00033608	0.00011287
RelInt RSD	61.61658648	4.20207705	18.22686676	126.06287327	395.09744826	11.88503859	28.54052043
RelInt SD	0.00000683	0.00000666	0.00032938	0.00097793	0.00072757	0.00003994	0.00003221
Conc Mean	<0.00014540[mg/l]	<0.00020731[mg/l]	<0.00316581[mg/l]	<0.16092200[mg/l]	<0.01884100[mg/l]	<0.00004479[mg/l]	<0.00042994[mg/l]
Conc RSD	41.01423659	120.29694374	42.72239964	128.65487628	1455.75606390	76.18539391	57.78434200
Conc SD	0.00005963[mg/l]	0.00024939[mg/l]	0.00135251[mg/l]	0.20703400[mg/l]	0.27427900[mg/l]	0.00003412[mg/l]	0.00024844[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	1768.43000000	3275.28000000	2911.37000000	2195.65000000	1537.18000000	2161.02000000	202.86800000
Int RSD	0.86654264	0.52889524	0.61270467	3.41120397	1.13456459	14.84451787	64.28958732
Int SD	15.32420000	17.32280000	17.83810000	74.89810000	17.44030000	320.79300000	130.42300000
RelInt Mean	0.02746750	0.00008766	-0.00020524	0.00008795	0.00002573	0.00053100	0.00194575
RelInt RSD	1.35285701	26.30803226	6.26260116	39.83734014	34.80373447	35.19843766	115.11704998
RelInt SD	0.00037160	0.00002306	0.00001285	0.00003504	0.00000895	0.00018690	0.00223989
Conc Mean	<0.55594000[mg/l]	<0.00008189[mg/l]	<0.00037229[mg/l]	<0.00208244[mg/l]	<0.00075260[mg/l]	<0.00299551[mg/l]	<0.00071961[mg/l]
Conc RSD	1.69584128	267.68112190	125.58932236	87.43349148	98.01845614	142.86048119	371.21480574
Conc SD	0.00942786[mg/l]	0.00021920[mg/l]	0.00046756[mg/l]	0.00182075[mg/l]	0.00073768[mg/l]	0.00427940[mg/l]	0.00267131[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	33031.8000000	1369.66000000	4213.47000000	1671680	39685600	53482.2000000	2384.01000000
Int RSD	2.32545608	1.66247828	0.91867273	0.52828532	0.30265638	0.08582687	1.93337276
Int SD	768.14000000	22.77030000	38.70800000	8831.24000000	120111	45.90210000	46.09180000
RelInt Mean	0.00022407	0.00000371	0.00000262	---	---	---	0.00021640
RelInt RSD	8.78743250	325.08132963	44.95108915	---	---	---	10.79778926
RelInt SD	0.00001969	0.00001206	0.00000118	---	---	---	0.00002337
Conc Mean	0.00198715[mg/l]	<0.00045889[mg/l]	<0.00030168[mg/l]	1667260	39640000	53561.0000000	<0.00024464[mg/l]
Conc RSD	12.05736859	208.83220125	95.08348333	---	---	---	50.21869047
Conc SD	0.00023960[mg/l]	0.00095831[mg/l]	0.00028685[mg/l]	8847.24000000	119887	59.68350000	0.00012285[mg/l]

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	40.23010000	153.55700000	3640.09000000	-37.74220000	3087.56000000	-68.07160000	
Int RSD	211.60722941	22.00388129	1.99990110	10.64413309	0.66864773	16.18119745	
Int SD	85.12980000	33.78850000	72.79820000	4.01733000	20.64490000	11.01480000	
RelInt Mean	-0.00001165	-0.00046627	0.00056430	-0.00002497	0.00007349	-0.00004152	
RelInt RSD	14760.8746040	168.94597099	6.31749537	26.06715426	13.27181290	14.40486255	
RelInt SD	0.00171945	0.00078774	0.00003565	0.00000651	0.00000975	0.00000598	
Conc Mean	<0.00332477[mg/l]	<0.00127075[mg/l]	<0.00209996[mg/l]	>10.88770000[mg/l]	<0.00011960[mg/l]	<0.00511938[mg/l]	
Conc RSD	269.22734505	168.94668503	29.63332635	72.69074276	34.16135721	145.63286961	
Conc SD	0.00895119[mg/l]	0.00214689[mg/l]	0.00062229[mg/l]	7.91435000[mg/l]	0.00004086[mg/l]	0.00745550[mg/l]	



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

enthalpy.com

Lab Job Number: 487142
Report Level: II
Report Date: 06/27/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

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 #: 487142
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 06/19/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C7W-PS-3.5-230619-P-G	487142-001	06/19/23 10:40	Wipe
ARCH-C7W-PS-3.5-230619-L-G	487142-002	06/19/23 10:40	Wipe
ARCH-C6W-PS-3.5-230619-P-G	487142-003	06/19/23 10:25	Wipe
ARCH-C6W-PS-3.5-230619-L-G	487142-004	06/19/23 10:25	Wipe
ARCH-C6W-DG-4 TO 4.5-230619-P-FB	487142-005	06/19/23 08:25	Wipe
ARCH-C6W-DG-4 TO 4.5-230619-L-FB	487142-006	06/19/23 08:25	Wipe
ARCH-C6W-DG-4 TO 4.5-UP-C6.3-DG-230619-P-LA	487142-007	06/19/23 08:40	Wipe
ARCH-C6W-DG-4 TO 4.5-UP-C6.3-DG-230619-L-LA	487142-008	06/19/23 08:40	Wipe
ARCH-C7W-DG-4 TO 4.5-230619-P-FB	487142-009	06/19/23 08:50	Wipe
ARCH-C7W-DG-4 TO 4.5-230619-L-FB	487142-010	06/19/23 08:50	Wipe
ARCH-C6W-PS-4.5-230619-P-G	487142-011	06/19/23 09:05	Wipe
ARCH-C6W-PS-4.5-230619-L-G	487142-012	06/19/23 09:05	Wipe
ARCH-C7W-PS-4.5-230619-P-G	487142-013	06/19/23 09:20	Wipe
ARCH-C7W-PS-4.5-230619-L-G	487142-014	06/19/23 09:20	Wipe
ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-P-LA	487142-015	06/19/23 09:35	Wipe
ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-L-LA	487142-016	06/19/23 09:35	Wipe
ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-P-LA	487142-017	06/19/23 09:55	Wipe
ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-L-LA	487142-018	06/19/23 09:55	Wipe
ARCH-C7W-INT-4.5 TO 5.5-230619-P-WF	487142-019	06/19/23 10:10	Wipe

Sample Summary

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

Lab Job #: 487142
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 06/19/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C7W-INT-4.5 TO 5.5-230619-L-WF	487142-020	06/19/23 10:10	Wipe
ARCH-C6W-INT-4.5 TO 5.5-230619-P-WF	487142-021	06/19/23 10:40	Wipe
ARCH-C6W-INT-4.5 TO 5.5-230619-L-WF	487142-022	06/19/23 10:40	Wipe
ARCH-C6W-INT-4.5 TO 5.5-230619-L-DUP-WF	487142-023	06/19/23 10:40	Wipe
ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-P-LA	487142-024	06/19/23 10:55	Wipe
ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-P-DUP-LA	487142-025	06/19/23 10:55	Wipe
ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-L-LA	487142-026	06/19/23 10:55	Wipe
ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-P-LA	487142-027	06/19/23 10:25	Wipe
ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-L-LA	487142-028	06/19/23 10:25	Wipe
230619-P-MEDBLANK1	487142-029	06/19/23 11:10	Wipe
230619-L-MEDBLANK1	487142-030	06/19/23 11:10	Wipe

Case Narrative

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

Lab Job Number: 487142
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/19/23

This data package contains sample and QC results for thirty wipe samples, requested for the above referenced project on 06/20/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

487/142

Enthalpy Analytical - Orange		Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
 931 W. Barkley Avenue, Orange, CA 92868 Phone 714-771-6900		Page: 1 of 2 COC ID:		Standard: X (PCBs) 5 Day: 1 Day: X (Pb) 3 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		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: (510) 890-9556 Fax:		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: Address: 158 Cody Road, Mountain View, CA Global ID: Sampled By: M. Kim & D. Welsh		Analysis Request PCBs - EPA Method 8082 Lead - EPA Method 3050/6010B	
Test Instructions / Comments Confirmation Wipe Samples - Level II Report/Stage 2A 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 4 Enclosure C/D (Low Occupancy)		Test Instructions / Comments Confirmation Wipe Samples - Level II Report/Stage 2A 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 4 Enclosure C/D (Low Occupancy)		(lab use only)	

Sample ID	Sampling Date	Sampling Time	Matrix	Container No./Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	Analysis Request	Test Instructions / Comments
1 ARCH-C7W-PS-3.5-230619-P-G	6/19/2023	1040	WP	1	--	X			
2 ARCH-C7W-PS-3.5-230619-L-G	6/19/2023	1040	WP	1	--	X			
3 ARCH-C6W-PS-3.5-230619-P-G	6/19/2023	1025	WP	1	--	X			
4 ARCH-C6W-PS-3.5-230619-L-G	6/19/2023	1025	WP	1	--	X			
5 ARCH-C6W-DG-4 TO 4.5-230619-P-FB	6/19/2023	0925	WP	1	--	X			
6 ARCH-C6W-DG-4 TO 4.5-230619-L-FB	6/19/2023	0825	WP	1	--	X			
7 ARCH-C6W-DG-4 TO 4.5-UP-C6.3-DG-230619-P-LA	6/19/2023	0840	WP	1	--	X			
8 ARCH-C6W-DG-4 TO 4.5-UP-C6.3-DG-230619-L-LA	6/19/2023	0840	WP	1	--	X			
9 ARCH-C7W-DG-4 TO 4.5-230619-P-FB	6/19/2023	0850	WP	1	--	X			
10 ARCH-C7W-DG-4 TO 4.5-230619-L-FB	6/19/2023	0850	WP	1	--	X			
11 ARCH-C6W-PS-4.5-230619-P-G	6/19/2023	0905	WP	1	--	X			
12 ARCH-C6W-PS-4.5-230619-L-G	6/19/2023	0905	WP	1	--	X			
13 ARCH-C7W-PS-4.5-230619-P-G	6/19/2023	0920	WP	1	--	X			
14 ARCH-C7W-PS-4.5-230619-L-G	6/19/2023	0920	WP	1	--	X			
15 ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-P-LA	6/19/2023	0935	WP	1	--	X			

Signature	Print Name	Company / Title	Date / Time
	Michaela V. Kim	Rincon/Env Scientist	6/19/23 0845
	Lindsay Parker	BA	6/19/23 1545
	D. Welsh	BA	6/19/23 17:22
		BA	6/19/23 0850

487142

Chain of Custody Record		Turn Around Time (rush by advanced notice only)	
COC ID:		Standard:	3 Day:
Page: 2 of 2		X (PCBs)	5 Day:
Matrix: A = Air S = Soil/Solid		1 Day:	Custom TAT:
W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water		X (Pb)	Sample Receipt Temp:
SW = Swab T = Tissue WP = Wipe O = Other		Preservatives: 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)	
Enthalpy Analytical - Orange 931 W. Bartley Avenue, Orange, CA 92868 Phone 714-771-6900		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: H. Kim & D. Nelson	
CUSTOMER INFORMATION Rincon Consultants, Inc. Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		ANALYSIS REQUEST PCBs - EPA Method 8082 Lead - EPA Method 3050/6010B HOD Report PCB concentrations on a µg/100cm ² basis Report lead concentrations on a µg/l ² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 4 Enclosure C/D (Low Occupancy) 2 x Rivet Type 2 = 0.020612	
Test Instructions / Comments Confirmation Wipe Samples - Level II Report/Stage 2A Validation			
Sample ID	Sampling Date	Sampling Time	Matrix
16 ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-L-LA	6/19/2023	0935	WP
17 ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-P-LA	6/19/2023	0955	WP
18 ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-L-LA	6/19/2023	0955	WP
19 ARCH-C7W-INT-4.5 TO 5.5-230619-P-WF	6/19/2023	1010	WP
20 ARCH-C7W-INT-4.5 TO 5.5-230619-L-WF	6/19/2023	1010	WP
21 ARCH-C6W-INT-4.5 TO 5.5-230619-P-WF	6/19/2023	1040	WP
22 ARCH-C6W-INT-4.5 TO 5.5-230619-L-WF	6/19/2023	1040	WP
23 ARCH-C6W-INT-4.5 TO 5.5-230619-L-DUP-WF	6/19/2023	1040	WP
24 ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-P-LA	6/19/2023	1055	WP
25 ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-P-DUP-LA	6/19/2023	1055	WP
26 ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-L-LA	6/19/2023	1055	WP
27 ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-P-LA	6/19/2023	1025	WP
28 ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-L-LA	6/19/2023	1025	WP
29 230619-P-MEDBLANK I	6/19/2023	1110	WP
30 230619-L-MEDBLANK I	6/19/2023	1110	WP
Signature Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]		Print Name Michaela Kim Lisa Eng Kasey Brown	
Company / Title Rincon Environmental EA BA BA		Date / Time 6/19/2023 15:45 6/19/2023 17:22 6/20/23 0850	



Date Received: 6/19/23 Login # 487142 Client: Ramon

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 6/19/23 By (print) LM (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

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 _____[illegible]

Date Logged 6/19/23 By (print) Ang (sign) [Signature]

Date Labeled 6/19/23 By (print) my (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

487142

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 06/20/23 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: 2.4 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

Section 3

Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam

☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____

Date: JUN 20 2023

SOUTHWEST AIRLINES

Printed on:
19 JUN 18:34

526 OAK 8961 **6435** 

SNA		PC# 1 OF 3	DG G	LOT WT 150 LB (68.0 KG)
OAK	WN 3564	19 JUN	20:20	
STN	FLT	DATE	ETD	LOT 01

2.4 / 1.4



PC ID: 0001
PC WT: 50LB

S

526 89616435 0001

Enthalpy Analytical - Orange Analytical Report

Lab #: 487142

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7W-PS-3.5-230619-P-G

Batch#: 316643

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487142-001

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/21/23

Diln Fac: 1.000

Analyzed: 06/23/23

487142-001 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
487142-001 Surrogate		%REC	Limits
TCMX (PCB)		75	19-121
Decachlorobiphenyl (PCB)		79	19-121

Field ID: ARCH-C6W-PS-3.5-230619-P-G

Batch#: 316643

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487142-003

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/21/23

Diln Fac: 1.000

Analyzed: 06/23/23

487142-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487142-003 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		74	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487142	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-DG-4 TO 4.5-230619-P-FB	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487142-005	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/23/23	

487142-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487142-005 Surrogate		%REC	Limits
TCMX (PCB)		77	19-121
Decachlorobiphenyl (PCB)		79	19-121

Field ID: ARCH-C6W-DG-4 TO 4.5-UP-C6.3-DG-230619-P-LA	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487142-007	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/23/23	

487142-007 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
487142-007 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		73	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487142	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C7W-DG-4 TO 4.5-230619-P-FB	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487142-009	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/23/23	

487142-009 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
487142-009 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		70	19-121

Field ID: ARCH-C6W-PS-4.5-230619-P-G	Batch#: 316643	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487142-011	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/21/23	
Diln Fac: 1.000	Analyzed: 06/23/23	

487142-011 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
487142-011 Surrogate		%REC	Limits
TCMX (PCB)		65	19-121
Decachlorobiphenyl (PCB)		66	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487142

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7W-PS-4.5-230619-P-G

Batch#: 316643

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487142-013

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/21/23

Diln Fac: 1.000

Analyzed: 06/23/23

487142-013 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
487142-013 Surrogate		%REC	Limits
TCMX (PCB)		65	19-121
Decachlorobiphenyl (PCB)		66	19-121

Field ID: ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-P-LA

Batch#: 316643

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487142-015

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/21/23

Diln Fac: 1.000

Analyzed: 06/23/23

487142-015 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487142-015 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		74	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487142

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-P-LA

Batch#: 316706

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487142-017

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/22/23

Diln Fac: 1.000

Analyzed: 06/23/23

487142-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487142-017 Surrogate		%REC	Limits
TCMX (PCB)		57	19-121
Decachlorobiphenyl (PCB)		65	19-121

Field ID: ARCH-C7W-INT-4.5 TO 5.5-230619-P-WF

Batch#: 316706

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487142-019

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/22/23

Diln Fac: 1.000

Analyzed: 06/23/23

487142-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487142-019 Surrogate		%REC	Limits
TCMX (PCB)		60	19-121
Decachlorobiphenyl (PCB)		68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487142	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-INT-4.5 TO 5.5-230619-P-WF	Batch#: 316706	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487142-021	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/22/23	
Diln Fac: 1.000	Analyzed: 06/23/23	

487142-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487142-021 Surrogate		%REC	Limits
TCMX (PCB)		54	19-121
Decachlorobiphenyl (PCB)		60	19-121

Field ID: ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-P-LA	Batch#: 316706	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 8082
Lab ID: 487142-024	Received: 06/19/23	Analyst: MES
Matrix: Wipe	Prepared: 06/22/23	
Diln Fac: 1.000	Analyzed: 06/23/23	

487142-024 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
487142-024 Surrogate		%REC	Limits
TCMX (PCB)		53	19-121
Decachlorobiphenyl (PCB)		62	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487142

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-P-DUP-LA

Batch#: 316706

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487142-025

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/22/23

Diln Fac: 1.000

Analyzed: 06/23/23

487142-025 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487142-025 Surrogate		%REC	Limits
TCMX (PCB)		59	19-121
Decachlorobiphenyl (PCB)		66	19-121

Field ID: ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-P-LA

Batch#: 316706

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487142-027

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/22/23

Diln Fac: 1.000

Analyzed: 06/23/23

487142-027 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487142-027 Surrogate		%REC	Limits
TCMX (PCB)		53	19-121
Decachlorobiphenyl (PCB)		59	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487142

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: 230619-P-MEDBLANK1

Batch#: 316706

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/19/23

Analysis: EPA 8082

Lab ID: 487142-029

Received: 06/19/23

Analyst: MES

Matrix: Wipe

Prepared: 06/22/23

Diln Fac: 1.000

Analyzed: 06/23/23

487142-029 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
487142-029 Surrogate		%REC	Limits
TCMX (PCB)		61	19-121
Decachlorobiphenyl (PCB)		70	19-121

Type: BLANK

Batch#: 316643

Analysis: EPA 8082

Lab ID: QC1074812

Prepared: 06/21/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/22/23

Diln Fac: 1.000

Prep: EPA 3546

QC1074812 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
QC1074812 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		105	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 487142

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 316706

Analysis: EPA 8082

Lab ID: QC1075027

Prepared: 06/22/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/23/23

Diln Fac: 1.000

Prep: EPA 3546

QC1075027 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
QC1075027 Surrogate		%REC	Limits
TCMX (PCB)		59	19-121
Decachlorobiphenyl (PCB)		70	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 487142

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 316643

Analysis: EPA 8082

Lab ID: QC1074813

Prepared: 06/21/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/22/23

Diln Fac: 1.000

Prep: EPA 3546

QC1074813 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.372	87	60-140	ug/100 cm2
Aroclor-1260	5.000	4.996	100	60-140	ug/100 cm2
QC1074813 Surrogate				%REC	Limits
TCMX (PCB)				73	19-121
Decachlorobiphenyl (PCB)				98	19-121

Type: BSD

Batch#: 316643

Analysis: EPA 8082

Lab ID: QC1074814

Prepared: 06/21/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/22/23

Diln Fac: 1.000

Prep: EPA 3546

QC1074814 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.291	86	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	5.168	103	60-140	ug/100 cm2	3	20
QC1074814 Surrogate				%REC	Limits		
TCMX (PCB)				75	19-121		
Decachlorobiphenyl (PCB)				99	19-121		

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 487142

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 316706

Analysis: EPA 8082

Lab ID: QC1075028

Prepared: 06/22/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/23/23

Diln Fac: 1.000

Prep: EPA 3546

QC1075028 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.009	80	60-140	ug/100 cm2
Aroclor-1260	5.000	4.263	85	60-140	ug/100 cm2
QC1075028 Surrogate			%REC	Limits	
TCMX (PCB)			64	19-121	
Decachlorobiphenyl (PCB)			77	19-121	

Type: BSD

Batch#: 316706

Analysis: EPA 8082

Lab ID: QC1075029

Prepared: 06/22/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/23/23

Diln Fac: 1.000

Prep: EPA 3546

QC1075029 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.158	83	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.438	89	60-140	ug/100 cm2	4	20
QC1075029 Surrogate			%REC	Limits			
TCMX (PCB)			69	19-121			
Decachlorobiphenyl (PCB)			79	19-121			

Legend

RPD: Relative Percent Difference

Lead

Lab #: 487142		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C7W-PS-3.5-230619-L-G	Batch#: 316528	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 6010B	
Lab ID: 487142-002	Received: 06/19/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/21/23		
Diln Fac: 1.000	Analyzed: 06/21/23		
487142-002 Analyte		Result	RL Units
Lead		23	0.23 ug/ft2
Field ID: ARCH-C6W-PS-3.5-230619-L-G		Batch#: 316528	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487142-004		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487142-004 Analyte		Result	RL Units
Lead		31	0.23 ug/ft2
Field ID: ARCH-C6W-DG-4 TO 4.5-230619-L-FB		Batch#: 316528	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487142-006		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487142-006 Analyte		Result	RL Units
Lead		7.7	0.25 ug/ft2
Field ID: ARCH-C6W-DG-4 TO 4.5-UP-C6.3-DG-230619-L-LA		Batch#: 316528	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487142-008		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487142-008 Analyte		Result	RL Units
Lead		24	0.25 ug/ft2
Field ID: ARCH-C7W-DG-4 TO 4.5-230619-L-FB		Batch#: 316528	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487142-010		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487142-010 Analyte		Result	RL Units
Lead		100	0.25 ug/ft2

Lead

Lab #: 487142		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-PS-4.5-230619-L-G	Batch#: 316528	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 6010B	
Lab ID: 487142-012	Received: 06/19/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/21/23		
Diln Fac: 1.000	Analyzed: 06/21/23		
487142-012 Analyte		Result	RL Units
Lead		110	0.25 ug/ft2
Field ID: ARCH-C7W-PS-4.5-230619-L-G		Batch#: 316528	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487142-014		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487142-014 Analyte		Result	RL Units
Lead		190	0.25 ug/ft2
Field ID: ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-L-LA		Batch#: 316528	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487142-016		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487142-016 Analyte		Result	RL Units
Lead		32	0.25 ug/ft2
Field ID: ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-L-LA		Batch#: 316528	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487142-018		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487142-018 Analyte		Result	RL Units
Lead		61	0.25 ug/ft2
Field ID: ARCH-C7W-INT-4.5 TO 5.5-230619-L-WF		Batch#: 316528	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/19/23	Analysis: EPA 6010B
Lab ID: 487142-020		Received: 06/19/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/21/23	
Diln Fac: 1.000		Analyzed: 06/21/23	
487142-020 Analyte		Result	RL Units
Lead		50	0.25 ug/ft2

Lead

Lab #: 487142		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-INT-4.5 TO 5.5-230619-L-WF	Batch#: 316528	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 6010B	
Lab ID: 487142-022	Received: 06/19/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/21/23		
Diln Fac: 1.000	Analyzed: 06/21/23		
487142-022 Analyte		Result	RL Units
Lead		51	0.25 ug/ft2
Field ID: ARCH-C6W-INT-4.5 TO 5.5-230619-L-DUP-WF	Batch#: 316528	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 6010B	
Lab ID: 487142-023	Received: 06/19/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/21/23		
Diln Fac: 1.000	Analyzed: 06/21/23		
487142-023 Analyte		Result	RL Units
Lead		57	0.25 ug/ft2
Field ID: ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-L-LA	Batch#: 316528	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 6010B	
Lab ID: 487142-026	Received: 06/19/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/21/23		
Diln Fac: 1.000	Analyzed: 06/21/23		
487142-026 Analyte		Result	RL Units
Lead		75	0.25 ug/ft2
Field ID: ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-L-LA	Batch#: 316528	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 6010B	
Lab ID: 487142-028	Received: 06/19/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/21/23		
Diln Fac: 1.000	Analyzed: 06/21/23		
487142-028 Analyte		Result	RL Units
Lead		74	0.25 ug/ft2
Field ID: 230619-L-MEDBLANK1	Batch#: 316528	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 06/19/23	Analysis: EPA 6010B	
Lab ID: 487142-030	Received: 06/19/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/21/23		
Diln Fac: 1.000	Analyzed: 06/21/23		
487142-030 Analyte		Result	RL Units
Lead		1.0	0.25 ug/ft2

Lead

Lab #: 487142

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 316528

Analysis: EPA 6010B

Lab ID: QC1074448

Prepared: 06/21/23

Analyst: SBW

Matrix: Wipe

Analyzed: 06/21/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1074448 Analyte

	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 487142

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 316528

Analysis: EPA 6010B

Lab ID: QC1074449

Prepared: 06/21/23

Analyst: SBW

Matrix: Wipe

Analyzed: 06/21/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1074449 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.62	107	80-120	ug/ft2

Type: BSD

Batch#: 316528

Analysis: EPA 6010B

Lab ID: QC1074450

Prepared: 06/21/23

Analyst: SBW

Matrix: Wipe

Analyzed: 06/21/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1074450 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	52.86	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: 489058
Report Level: II
Report Date: 08/01/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:

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

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

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

Sample Summary

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

Lab Job #: 489058
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/24/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C6W-PS-5.5-230724-P-G	489058-001	07/24/23 07:35	Wipe
ARCH-C6W-PS-5.5-230724-L-G	489058-002	07/24/23 07:35	Wipe
ARCH-C7W-PS-5.5-230724-P-G	489058-003	07/24/23 07:50	Wipe
ARCH-C7W-PS-5.5-230724-L-G	489058-004	07/24/23 07:50	Wipe
ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230724-P-LA	489058-005	07/24/23 08:00	Wipe
ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230724-L-LA	489058-006	07/24/23 08:00	Wipe
ARCH-C6W-DG-5.5 TO 6-UP-C6.4-HS-230724-P-LA	489058-007	07/24/23 08:15	Wipe
ARCH-C6W-DG-5.5 TO 6-UP-C6.4-HS-230724-L-LA	489058-008	07/24/23 08:15	Wipe
ARCH-C7W-DG-5.5 TO 6-DN-C7.1-VS-230724-P-LA	489058-009	07/24/23 08:30	Wipe
ARCH-C7W-DG-5.5 TO 6-DN-C7.1-VS-230724-L-LA	489058-010	07/24/23 08:30	Wipe
ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-P-LA	489058-011	07/24/23 08:55	Wipe
ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-L-LA	489058-012	07/24/23 08:55	Wipe
ARCH-C7W-DG-6 TO 6.5-230724-P-FB	489058-013	07/24/23 08:45	Wipe
ARCH-C7W-DG-6 TO 6.5-230724-L-FB	489058-014	07/24/23 08:45	Wipe
ARCH-C7W-DG-6 TO 6.5-230724-L-DUP-FB	489058-015	07/24/23 08:45	Wipe
ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-P-LA	489058-016	07/24/23 09:05	Wipe

Sample Summary

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

Lab Job #: 489058
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/24/23

Sample ID	Lab ID	Collected	Matrix
ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-P-DUP-LA	489058-017	07/24/23 09:05	Wipe
ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-L-LA	489058-018	07/24/23 09:05	Wipe
ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-P-LA	489058-019	07/24/23 09:25	Wipe
ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-L-LA	489058-020	07/24/23 09:25	Wipe
ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-P-LA	489058-021	07/24/23 09:30	Wipe
ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-L-LA	489058-022	07/24/23 09:30	Wipe
ARCH-C6W-PS-6.5-230724-P-G	489058-023	07/24/23 09:45	Wipe
ARCH-C6W-PS-6.5-230724-L-G	489058-024	07/24/23 09:45	Wipe
ARCH-C7W-PS-6.5-230724-P-G	489058-025	07/24/23 09:55	Wipe
ARCH-C7W-PS-6.5-230724-L-G	489058-026	07/24/23 09:55	Wipe
ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-P-LA	489058-027	07/24/23 10:10	Wipe
ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-L-LA	489058-028	07/24/23 10:10	Wipe
ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-P-LA	489058-029	07/24/23 10:30	Wipe
ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-P-DUP-LA	489058-030	07/24/23 10:30	Wipe
ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-L-LA	489058-031	07/24/23 10:30	Wipe

Sample Summary

Austin Moore	Lab Job #:	489058
Rincon Consultants	Project No:	20-10491
449 15th Street	Location:	Hangar 1 NTCRA
#303	Date Received:	07/24/23
Oakland, CA 94612		

Sample ID	Lab ID	Collected	Matrix
ARCH-C7W-INT-7.5 TO 9-230724-P-WF	489058-032	07/24/23 10:45	Wipe
ARCH-C7W-INT-7.5 TO 9-230724-L-WF	489058-033	07/24/23 10:45	Wipe
ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-P-LA	489058-034	07/24/23 11:00	Wipe
ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-L-LA	489058-035	07/24/23 11:00	Wipe
ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-P-LA	489058-036	07/24/23 07:35	Wipe
ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-L-LA	489058-037	07/24/23 07:35	Wipe
ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-P-LA	489058-038	07/24/23 07:45	Wipe
ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-L-LA	489058-039	07/24/23 07:45	Wipe
ARCH-C7W-EXT-8 TO 9-230724-P-WF	489058-040	07/24/23 08:00	Wipe
ARCH-C7W-EXT-8 TO 9-230724-L-WF	489058-041	07/24/23 08:00	Wipe
230724-P-FB2	489058-042	07/24/23 07:20	Wipe
230724-L-FB2	489058-043	07/24/23 07:20	Wipe
230724-L-MEDBLANK1	489058-044	07/24/23 12:48	Wipe
230724-P-FB3	489058-045	07/24/23 07:32	Wipe
230724-L-FB3	489058-046	07/24/23 07:32	Wipe
230724-L-MEDBLANK2	489058-047	07/24/23 12:53	Wipe

Case Narrative

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

Lab Job Number: 489058
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/24/23

This data package contains sample and QC results for forty seven wipe samples, requested for the above referenced project on 07/25/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

489058



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: X (PCBs) 5 Day: Custom TAT:			
Page: 1 of 4				2 Day: X (Pb) Sample Receipt Temp:			
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			
CUSTOMER INFORMATION				Test Instructions / Comments			
Company:	Quote #:	Proj. Name:	RIN031721	Confirmation Wipe Samples - Level II			
Report To:	Proj. #:	Proj. #:	20-10491	Report/Stage 2A Validation			
Email:	Address:	Global ID:	158 Cody Road, Mountain View, CA	Report PCB concentrations on a µg/100cm ² basis			
Phone:	Sampled By:	Container No. / Size	T. Sinnott, M. K. Kim	Report lead concentrations on a µg/l ² basis			
Fax:	Sampling Date	Sampling Time	Pres.	Report Aroclor 1268 concentrations in addition to the standard Aroclors			
	Sample ID			Wipe samples collected from Zone 4 Enclosure C/D (Low Occupancy)			
1	ARCH-C6W-PS-5.5-230724-P-G	0735	WP	1	X		3x Rivet Type 1 = 0.0414 ft ²
2	ARCH-C6W-PS-5.5-230724-L-G	0735	WP	1	X		
3	ARCH-C7W-PS-5.5-230724-P-G	0750	WP	1	X		3x Rivet Type 1 = 0.0414 ft ²
4	ARCH-C7W-PS-5.5-230724-L-G	0750	WP	1	X		
5	ARCH-C7W-DG-5 TO 5.5-DN-C7-6-DG-230724-P-LA	0800	WP	1	X		
6	ARCH-C7W-DG-5 TO 5.5-DN-C7-6-DG-230724-L-LA	0800	WP	1	X		
7	ARCH-C6W-DG-5 TO 6-UP-C6-4-HS-230724-P-LA	0815	WP	1	X		2x Rivet Type 2 = 0.0200 ft ²
8	ARCH-C6W-DG-5 TO 6-UP-C6-4-HS-230724-L-LA	0815	WP	1	X		2x Rivet Type 2 = 0.0200 ft ²
9	ARCH-C7W-DG-5.5 TO 6-DN-C7-1-VS-230724-P-LA	0830	WP	1	X		2x Rivet Type 2 = 0.0200 ft ²
10	ARCH-C7W-DG-5.5 TO 6-DN-C7-1-VS-230724-L-LA	0830	WP	1	X		
11	ARCH-C6W-DG-6 TO 6.5-UP-C6-3-VS-230724-P-LA	0855	WP	1	X		
12	ARCH-C6W-DG-6 TO 6.5-UP-C6-3-VS-230724-L-LA	0855	WP	1	X		
13	ARCH-C7W-DG-6 TO 6.5-230724-P-FB	0845	WP	1	X		
14	ARCH-C7W-DG-6 TO 6.5-230724-L-FB	0845	WP	1	X		
15	ARCH-C7E-DG-6 TO 6.5-230724-L-DUP-FB	0845	WP	1	X		
Signature				Company / Title			
1 Relinquished By:	Michaela Kim	Rincon/Env Scientist	7/24/23	Date / Time			
1 Received By:	Michaela Kim	EA	7/24/23	17:23			
2 Relinquished By:	Michaela Kim	EA	7/24/23	18:46			
2 Received By:	Michaela Kim	EA	7/25/23	10:00			
3 Relinquished By:							
3 Received By:							

489058

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange		COC ID:		Standard:		3 Day:	
931 W. Bartley Avenue, Orange, CA 92868 Phone 714-771-6900		Page: 2 of 4		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		X (PCBs)		X (Pb)	
Report: Level II data validation (lab use only)		Sample Receipt Temp:					
PROJECT INFORMATION		Analysis Request		Test Instructions / Comments			
Quote #: RIN031721		Lead - EPA Method 8082		Confirmation Wipe Samples - Level II			
Proj. Name: Hangar 1 - NCTBA WP		PCBs - EPA Method 8082		Report/Stage 2A Validation			
Proj. #: 20-10491		Pres.		Report PCB concentrations on a µg/100cm ² basis			
P.O. #: 158 Cody Road, Mountain View, CA		Matrix		Report lead concentrations on a µg/l ² basis			
Address: 158 Cody Road, Mountain View, CA		Sampling Time		Report Aroclor 1268 concentrations in addition to the standard Aroclors			
Global ID:		Container No. / Size		Wipe samples collected from Zone 4 Enclosure C/D (Low Occupancy)			
Sampled By: T. Sandoz M.K.M.		Matrix					
Sample ID		Sampling Date					
16	ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-P-LA	0905	7/24/2023	WP	1	-	
17	ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-P-DUP-LA	0905	7/24/2023	WP	1	-	
18	ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-L-LA	0905	7/24/2023	WP	1	-	
19	ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-P-LA	0925	7/24/2023	WP	1	-	
20	ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-L-LA	0925	7/24/2023	WP	1	-	
21	ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-P-LA	0930	7/24/2023	WP	1	-	
22	ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-L-LA	0930	7/24/2023	WP	1	-	
23	ARCH-C6W-PS-6.5-230724-P-G	0945	7/24/2023	WP	1	-	
24	ARCH-C6W-PS-6.5-230724-L-G	0945	7/24/2023	WP	1	-	
25	ARCH-C7W-PS-6.5-230724-P-G	0955	7/24/2023	WP	1	-	
26	ARCH-C7W-PS-6.5-230724-L-G	0955	7/24/2023	WP	1	-	
27	ARCH-C6W-EXT-7 TO 8-230724-P-WF		7/24/2023	WP	1	-	
28	ARCH-C6W-EXT-7 TO 8-230724-L-WF		7/24/2023	WP	1	-	
29	ARCH-C6W-EXT-7 TO 8-230724-L-DUP-WF		7/24/2023	WP	1	-	
30	ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-P-LA	1010	7/24/2023	WP	1	-	
Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By: [Signature]		Michaela K.M.		Rincon/Env Scientist		4/29/23	
1 Received By: [Signature]		Rincon/Env		P.O.		7/24/23 17:23	
2 Relinquished By: [Signature]		Lindsay		TEST		7/24/23 18:46	
2 Received By: [Signature]		Rincon		CA		7/25/23 10:00	
3 Relinquished By:							
3 Received By:							

2x Rivet Type 2 = 0.0200012

4x Rivet Type 1 =

DW

DW

DW

489058



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:																																			
Page: 3 of 4				5 Day: 1 Day: 3 Day:																																			
Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other				Preservatives: 1 = Na ₂ S ₂ O ₅ 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 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: T. Smith, M.F.M.				Analysis Request PCBs - EPA Method 8082 Lead - EPA Method 3050/6010B HOLD				Test Instructions / Comments Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/l12 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 4 Enclosure C/D (Low Occupancy)																											
Sample ID 31 ARCH-C7W-DG-7.5 TO 7.5-UP-C7.1-VS-230724-L-LA 32 ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-P-LA 33 ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-P-DUP-LA 34 ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-L-LA 35 ARCH-C7W-INT-7.5 TO 9-230724-P-WF 36 ARCH-C7W-INT-7.5 TO 9-230724-L-WF 37 ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-P-LA 38 ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-L-LA 39 ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-P-LA 40 ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-L-LA 41 ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-P-LA 42 ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-L-LA 43 ARCH-C7W-EXT-8 TO 9-230724-P-WF 44 ARCH-C7W-EXT-8 TO 9-230724-L-WF 45 230724-P-FB2				Sampling Date 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023 7/24/2023				Sampling Time 1010 1030 1030 1030 1045 1045 1100 1100 0735 0735 0745 0745 0800 0800 0720				Matrix WP WP WP WP WP WP WP WP WP WP WP WP WP WP WP WP				Container No. / Size 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Pres. - - - - - - - - - - - - - - -				PCBs - EPA Method 8082 X X X X X X X X X X X X X X X X X				Lead - EPA Method 3050/6010B X X X X X X X X X X X X X X X X X				Company / Title Rincon/ENSDentist B. B. EA EA				Date / Time 7/24/23 17:23 7/24/23 17:23 7/24/23 18:46 7/25/23 10:00			
Signature Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]				Print Name Michaela K. M. Michaela K. M. Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker				Signature Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]				Print Name Michaela K. M. Michaela K. M. Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker																											

489 058

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange		COC ID:		Standard:		3 Day:	
931 W. Barkley Avenue, Orange, CA 92668		Page: 4 of 4		X (PCBs)		Custom TAT:	
Phone 714-771-6900		Matrix: A = Air S = Soil/Solid		1 Day:		Sample Receipt Temp:	
		W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water		2 Day:			
		SW = Swab T = Tissue WP = Wipe O = Other		Preservatives:		(lab use only)	
				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			
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request			
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721				
Report To:	Undsay 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. Simmott, M. Kim				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No./Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/60108
46 230724-L-PB2	7/24/2023	0720	WP	1	-		X
47 230724-L-MEDBLANK1	7/24/2023	1240	WP	1	-		X
48 230724-P-PB3	7/24/2023	0732	WP	1	-	X	
49 230724-L-PB3	7/24/2023	0732	WP	1	-		X
50 230724-L-MEDBLANK2	7/24/2023	1253	WP	1	-		X
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
Signature	Print Name	Company / Title	Date / Time				
1 Relinquished By: [Signature]	Michaela Kim	Rincon/EN Scientist	7/24/23				
1 Received By: [Signature]	Kimberly [Signature]	BA	7/24/23 17:27				
2 Relinquished By: [Signature]	[Signature]	BA	7/24/23 18:46				
2 Received By: [Signature]	[Signature]	BA	7/25/23 10:00				
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.



489059

SAMPLE ACCEPTANCE CHECKLIST

Section 1	
Client: Rincon Consultants	Project: Hangar 1 NTCRA
Date Received: 07/25/23	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>5.1</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>2.8</u> #2: _____ #3: _____ #4: _____	

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

Section 5 Explanations/Comments

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

Completed By: [Signature] Date: JUL 25 2023

SOUTHWEST AIRLINES

Printed on:
24 JUL 19:37

526 OAK 9101 2040



SNA	PC#
	6 OF 6
	DG
	G
	LOT WT
	200 LB
	(90.7 KG)
OAK WN 2872 24 JUL 20:25	
STN FLT DATE ETD LOT 01	



PC ID: 0006
PC WT: 33LB

526 91012040 0006

S

2-8 / 5-1

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6W-PS-5.5-230724-P-G

Batch#: 318888

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-001

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-001 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
489058-001 Surrogate		%REC	Limits
TCMX (PCB)		72	19-121
Decachlorobiphenyl (PCB)		67	19-121

Field ID: ARCH-C7W-PS-5.5-230724-P-G

Batch#: 318888

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-003

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-003 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		72	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230724-P-LA

Batch#: 318888

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-005

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-005 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		73	19-121

Field ID: ARCH-C6W-DG-5.5 TO 6-UP-C6.4-HS-230724-P-LA

Batch#: 318888

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-007

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-007 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
489058-007 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		76	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7W-DG-5.5 TO 6-DN-C7.1-VS-230724-P-LA

Batch#: 318888

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-009

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-009 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
489058-009 Surrogate		%REC	Limits
TCMX (PCB)		75	19-121
Decachlorobiphenyl (PCB)		77	19-121

Field ID: ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-P-LA

Batch#: 318888

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-011

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/26/23

489058-011 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
489058-011 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		73	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C7W-DG-6 TO 6.5-230724-P-FB	Batch#: 318888	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 8082
Lab ID: 489058-013	Received: 07/24/23	Analyst: MES
Matrix: Wipe	Prepared: 07/25/23	
Diln Fac: 1.000	Analyzed: 07/26/23	

489058-013 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
489058-013 Surrogate		%REC	Limits
TCMX (PCB)		83	19-121
Decachlorobiphenyl (PCB)		81	19-121

Field ID: ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-P-LA	Batch#: 318888	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 8082
Lab ID: 489058-016	Received: 07/24/23	Analyst: MES
Matrix: Wipe	Prepared: 07/25/23	
Diln Fac: 1.000	Analyzed: 07/26/23	

489058-016 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
489058-016 Surrogate		%REC	Limits
TCMX (PCB)		98	19-121
Decachlorobiphenyl (PCB)		93	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-P-DUP-LA

Batch#: 318950

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-017

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/26/23

Diln Fac: 1.000

Analyzed: 07/26/23

489058-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-017 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		63	19-121

Field ID: ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-P-LA

Batch#: 318950

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-019

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/26/23

Diln Fac: 1.000

Analyzed: 07/26/23

489058-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-019 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		66	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-P-LA

Batch#: 318950

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-021

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/26/23

Diln Fac: 1.000

Analyzed: 07/26/23

489058-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-021 Surrogate		%REC	Limits
TCMX (PCB)		63	19-121
Decachlorobiphenyl (PCB)		63	19-121

Field ID: ARCH-C6W-PS-6.5-230724-P-G

Batch#: 318950

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-023

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/26/23

Diln Fac: 1.000

Analyzed: 07/26/23

489058-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-023 Surrogate		%REC	Limits
TCMX (PCB)		65	19-121
Decachlorobiphenyl (PCB)		69	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C7W-PS-6.5-230724-P-G	Batch#: 318950	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 8082
Lab ID: 489058-025	Received: 07/24/23	Analyst: MES
Matrix: Wipe	Prepared: 07/26/23	
Diln Fac: 1.000	Analyzed: 07/26/23	

489058-025 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-025 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		68	19-121

Field ID: ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-P-LA	Batch#: 318950	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 8082
Lab ID: 489058-027	Received: 07/24/23	Analyst: MES
Matrix: Wipe	Prepared: 07/26/23	
Diln Fac: 1.000	Analyzed: 07/26/23	

489058-027 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-027 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		69	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-P-LA

Batch#: 318950

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-029

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/26/23

DiIn Fac: 1.000

Analyzed: 07/26/23

489058-029 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-029 Surrogate		%REC	Limits
TCMX (PCB)		61	19-121
Decachlorobiphenyl (PCB)		58	19-121

Field ID: ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-P-DUP-LA

Batch#: 318950

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-030

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/26/23

DiIn Fac: 1.000

Analyzed: 07/26/23

489058-030 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-030 Surrogate		%REC	Limits
TCMX (PCB)		62	19-121
Decachlorobiphenyl (PCB)		51	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C7W-INT-7.5 TO 9-230724-P-WF	Batch#: 318950	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 8082
Lab ID: 489058-032	Received: 07/24/23	Analyst: MES
Matrix: Wipe	Prepared: 07/26/23	
Diln Fac: 1.000	Analyzed: 07/26/23	

489058-032 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-032 Surrogate		%REC	Limits
TCMX (PCB)		63	19-121
Decachlorobiphenyl (PCB)		55	19-121

Field ID: ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-P-LA	Batch#: 318950	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 8082
Lab ID: 489058-034	Received: 07/24/23	Analyst: MES
Matrix: Wipe	Prepared: 07/26/23	
Diln Fac: 1.000	Analyzed: 07/26/23	

489058-034 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-034 Surrogate		%REC	Limits
TCMX (PCB)		64	19-121
Decachlorobiphenyl (PCB)		58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-P-LA

Batch#: 318950

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-036

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/26/23

Diln Fac: 1.000

Analyzed: 07/26/23

489058-036 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-036 Surrogate		%REC	Limits
TCMX (PCB)		59	19-121
Decachlorobiphenyl (PCB)		57	19-121

Field ID: ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-P-LA

Batch#: 318950

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-038

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/26/23

Diln Fac: 1.000

Analyzed: 07/26/23

489058-038 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-038 Surrogate		%REC	Limits
TCMX (PCB)		64	19-121
Decachlorobiphenyl (PCB)		58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C7W-EXT-8 TO 9-230724-P-WF	Batch#: 318950	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 8082
Lab ID: 489058-040	Received: 07/24/23	Analyst: MES
Matrix: Wipe	Prepared: 07/26/23	
Diln Fac: 1.000	Analyzed: 07/26/23	

489058-040 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-040 Surrogate		%REC	Limits
TCMX (PCB)		64	19-121
Decachlorobiphenyl (PCB)		56	19-121

Field ID: 230724-P-FB2	Batch#: 318950	Prep: EPA 3546
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 8082
Lab ID: 489058-042	Received: 07/24/23	Analyst: MES
Matrix: Wipe	Prepared: 07/26/23	
Diln Fac: 1.000	Analyzed: 07/27/23	

489058-042 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-042 Surrogate		%REC	Limits
TCMX (PCB)		62	19-121
Decachlorobiphenyl (PCB)		72	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: 230724-P-FB3

Batch#: 318950

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 8082

Lab ID: 489058-045

Received: 07/24/23

Analyst: MES

Matrix: Wipe

Prepared: 07/26/23

Diln Fac: 1.000

Analyzed: 07/27/23

489058-045 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489058-045 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		77	19-121

Type: BLANK

Batch#: 318888

Analysis: EPA 8082

Lab ID: QC1082105

Prepared: 07/25/23

Analyst: MES

Matrix: Wipe

Analyzed: 07/25/23

Diln Fac: 1.000

Prep: EPA 3546

QC1082105 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
QC1082105 Surrogate		%REC	Limits
TCMX (PCB)		65	19-121
Decachlorobiphenyl (PCB)		68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 318950

Analysis: EPA 8082

Lab ID: QC1082407

Prepared: 07/26/23

Analyst: MES

Matrix: Wipe

Analyzed: 07/26/23

Diln Fac: 1.000

Prep: EPA 3546

QC1082407 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

QC1082407 Surrogate	%REC	Limits
TCMX (PCB)	62	19-121
Decachlorobiphenyl (PCB)	62	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 318888

Analysis: EPA 8082

Lab ID: QC1082106

Prepared: 07/25/23

Analyst: MES

Matrix: Wipe

Analyzed: 07/25/23

Diln Fac: 1.000

Prep: EPA 3546

QC1082106 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.651	73	60-140	ug/100 cm2
Aroclor-1260	5.000	3.885	78	60-140	ug/100 cm2
QC1082106 Surrogate				%REC	Limits
TCMX (PCB)				67	19-121
Decachlorobiphenyl (PCB)				68	19-121

Type: BSD

Batch#: 318888

Analysis: EPA 8082

Lab ID: QC1082107

Prepared: 07/25/23

Analyst: MES

Matrix: Wipe

Analyzed: 07/25/23

Diln Fac: 1.000

Prep: EPA 3546

QC1082107 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.679	74	60-140	ug/100 cm2	1	20
Aroclor-1260	5.000	3.723	74	60-140	ug/100 cm2	4	20
QC1082107 Surrogate				%REC	Limits		
TCMX (PCB)				66	19-121		
Decachlorobiphenyl (PCB)				65	19-121		

Legend

RPD: Relative Percent Difference

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 318950

Analysis: EPA 8082

Lab ID: QC1082408

Prepared: 07/26/23

Analyst: MES

Matrix: Wipe

Analyzed: 07/26/23

Diln Fac: 1.000

Prep: EPA 3546

QC1082408 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.716	74	60-140	ug/100 cm2
Aroclor-1260	5.000	4.093	82	60-140	ug/100 cm2
QC1082408 Surrogate			%REC	Limits	
TCMX (PCB)			69	19-121	
Decachlorobiphenyl (PCB)			70	19-121	

Type: BSD

Batch#: 318950

Analysis: EPA 8082

Lab ID: QC1082409

Prepared: 07/26/23

Analyst: MES

Matrix: Wipe

Analyzed: 07/26/23

Diln Fac: 1.000

Prep: EPA 3546

QC1082409 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.272	85	60-140	ug/100 cm2	14	20
Aroclor-1260	5.000	4.654	93	60-140	ug/100 cm2	13	20
QC1082409 Surrogate			%REC	Limits			
TCMX (PCB)			76	19-121			
Decachlorobiphenyl (PCB)			79	19-121			

Legend

RPD: Relative Percent Difference

Lead

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: ARCH-C6W-PS-5.5-230724-L-G

Batch#: 318866

Prep: EPA 3050B

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 6010B

Lab ID: 489058-002

Received: 07/24/23

Analyst: SBW

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-002 Analyte	Result	RL	Units
Lead	27	0.50	ug/ft2

Field ID: ARCH-C7W-PS-5.5-230724-L-G

Batch#: 318866

Prep: EPA 3050B

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 6010B

Lab ID: 489058-004

Received: 07/24/23

Analyst: SBW

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-004 Analyte	Result	RL	Units
Lead	62	0.50	ug/ft2

Field ID: ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230724-L-LA

Batch#: 318866

Prep: EPA 3050B

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 6010B

Lab ID: 489058-006

Received: 07/24/23

Analyst: SBW

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-006 Analyte	Result	RL	Units
Lead	92	0.50	ug/ft2

Field ID: ARCH-C6W-DG-5.5 TO 6-UP-C6.4-HS-230724-L-LA

Batch#: 318866

Prep: EPA 3050B

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 6010B

Lab ID: 489058-008

Received: 07/24/23

Analyst: SBW

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-008 Analyte	Result	RL	Units
Lead	110	0.50	ug/ft2

Field ID: ARCH-C7W-DG-5.5 TO 6-DN-C7.1-VS-230724-L-LA

Batch#: 318866

Prep: EPA 3050B

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 6010B

Lab ID: 489058-010

Received: 07/24/23

Analyst: SBW

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-010 Analyte	Result	RL	Units
Lead	66	0.50	ug/ft2

Lead

Lab #: 489058		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-L-LA	Batch#: 318866	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 6010B	
Lab ID: 489058-012	Received: 07/24/23	Analyst: SBW	
Matrix: Wipe	Prepared: 07/25/23		
Diln Fac: 1.000	Analyzed: 07/25/23		
489058-012 Analyte		Result	RL Units
Lead		45	0.50 ug/ft2
Field ID: ARCH-C7W-DG-6 TO 6.5-230724-L-FB	Batch#: 318866	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 6010B	
Lab ID: 489058-014	Received: 07/24/23	Analyst: SBW	
Matrix: Wipe	Prepared: 07/25/23		
Diln Fac: 1.000	Analyzed: 07/25/23		
489058-014 Analyte		Result	RL Units
Lead		43	0.50 ug/ft2
Field ID: ARCH-C7W-DG-6 TO 6.5-230724-L-DUP-FB	Batch#: 318866	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 6010B	
Lab ID: 489058-015	Received: 07/24/23	Analyst: SBW	
Matrix: Wipe	Prepared: 07/25/23		
Diln Fac: 1.000	Analyzed: 07/25/23		
489058-015 Analyte		Result	RL Units
Lead		45	0.50 ug/ft2
Field ID: ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-L-LA	Batch#: 318866	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 6010B	
Lab ID: 489058-018	Received: 07/24/23	Analyst: SBW	
Matrix: Wipe	Prepared: 07/25/23		
Diln Fac: 1.000	Analyzed: 07/25/23		
489058-018 Analyte		Result	RL Units
Lead		83	0.50 ug/ft2
Field ID: ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-L-LA	Batch#: 318866	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 07/24/23	Analysis: EPA 6010B	
Lab ID: 489058-020	Received: 07/24/23	Analyst: SBW	
Matrix: Wipe	Prepared: 07/25/23		
Diln Fac: 1.000	Analyzed: 07/25/23		
489058-020 Analyte		Result	RL Units
Lead		100	0.50 ug/ft2

Lead

Lab #: 489058

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-L-LA

Type: SAMPLE

Lab ID: 489058-022

Matrix: Wipe

Diln Fac: 1.000

Batch#: 318866

Sampled: 07/24/23

Received: 07/24/23

Prepared: 07/25/23

Analyzed: 07/25/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

489058-022 Analyte	Result	RL	Units
Lead	43	0.50	ug/ft2

Field ID: ARCH-C6W-PS-6.5-230724-L-G

Type: SAMPLE

Lab ID: 489058-024

Matrix: Wipe

Diln Fac: 1.000

Batch#: 318866

Sampled: 07/24/23

Received: 07/24/23

Prepared: 07/25/23

Analyzed: 07/25/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

489058-024 Analyte	Result	RL	Units
Lead	16	0.50	ug/ft2

Field ID: ARCH-C7W-PS-6.5-230724-L-G

Type: SAMPLE

Lab ID: 489058-026

Matrix: Wipe

Diln Fac: 1.000

Batch#: 318866

Sampled: 07/24/23

Received: 07/24/23

Prepared: 07/25/23

Analyzed: 07/25/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

489058-026 Analyte	Result	RL	Units
Lead	51	0.50	ug/ft2

Field ID: ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-L-LA

Type: SAMPLE

Lab ID: 489058-028

Matrix: Wipe

Diln Fac: 1.000

Batch#: 318866

Sampled: 07/24/23

Received: 07/24/23

Prepared: 07/25/23

Analyzed: 07/25/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

489058-028 Analyte	Result	RL	Units
Lead	76	0.50	ug/ft2

Field ID: ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-L-LA

Type: SAMPLE

Lab ID: 489058-031

Matrix: Wipe

Diln Fac: 1.000

Batch#: 318866

Sampled: 07/24/23

Received: 07/24/23

Prepared: 07/25/23

Analyzed: 07/25/23

Prep: EPA 3050B

Analysis: EPA 6010B

Analyst: SBW

489058-031 Analyte	Result	RL	Units
Lead	170	0.50	ug/ft2

Lead

Lab #: 489058		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: ARCH-C7W-INT-7.5 TO 9-230724-L-WF		Batch#: 318866	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/24/23	Analysis: EPA 6010B
Lab ID: 489058-033		Received: 07/24/23	Analyst: SBW
Matrix: Wipe		Prepared: 07/25/23	
DiIn Fac: 1.000		Analyzed: 07/25/23	
489058-033 Analyte		Result	RL Units
Lead		54	0.50 ug/ft2
Field ID: ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-L-LA		Batch#: 318866	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/24/23	Analysis: EPA 6010B
Lab ID: 489058-035		Received: 07/24/23	Analyst: SBW
Matrix: Wipe		Prepared: 07/25/23	
DiIn Fac: 1.000		Analyzed: 07/25/23	
489058-035 Analyte		Result	RL Units
Lead		52	0.50 ug/ft2
Field ID: ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-L-LA		Batch#: 318866	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/24/23	Analysis: EPA 6010B
Lab ID: 489058-037		Received: 07/24/23	Analyst: SBW
Matrix: Wipe		Prepared: 07/25/23	
DiIn Fac: 1.000		Analyzed: 07/25/23	
489058-037 Analyte		Result	RL Units
Lead		36	0.50 ug/ft2
Field ID: ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-L-LA		Batch#: 318866	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/24/23	Analysis: EPA 6010B
Lab ID: 489058-039		Received: 07/24/23	Analyst: SBW
Matrix: Wipe		Prepared: 07/25/23	
DiIn Fac: 1.000		Analyzed: 07/25/23	
489058-039 Analyte		Result	RL Units
Lead		56	0.50 ug/ft2
Field ID: ARCH-C7W-EXT-8 TO 9-230724-L-WF		Batch#: 318866	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/24/23	Analysis: EPA 6010B
Lab ID: 489058-041		Received: 07/24/23	Analyst: SBW
Matrix: Wipe		Prepared: 07/25/23	
DiIn Fac: 1.000		Analyzed: 07/25/23	
489058-041 Analyte		Result	RL Units
Lead		25	0.50 ug/ft2

Lead

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: 230724-L-FB2

Batch#: 318867

Prep: EPA 3050B

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 6010B

Lab ID: 489058-043

Received: 07/24/23

Analyst: SBW

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-043 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 230724-L-MEDBLANK1

Batch#: 318867

Prep: EPA 3050B

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 6010B

Lab ID: 489058-044

Received: 07/24/23

Analyst: SBW

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-044 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 230724-L-FB3

Batch#: 318867

Prep: EPA 3050B

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 6010B

Lab ID: 489058-046

Received: 07/24/23

Analyst: SBW

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-046 Analyte	Result	RL	Units
Lead	3.6	0.50	ug/ft2

Field ID: 230724-L-MEDBLANK2

Batch#: 318867

Prep: EPA 3050B

Type: SAMPLE

Sampled: 07/24/23

Analysis: EPA 6010B

Lab ID: 489058-047

Received: 07/24/23

Analyst: SBW

Matrix: Wipe

Prepared: 07/25/23

Diln Fac: 1.000

Analyzed: 07/25/23

489058-047 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK

Batch#: 318866

Analysis: EPA 6010B

Lab ID: QC1082042

Prepared: 07/25/23

Analyst: SBW

Matrix: Wipe

Analyzed: 07/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1082042 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Lead

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 318867

Analysis: EPA 6010B

Lab ID: QC1082045

Prepared: 07/25/23

Analyst: SBW

Matrix: Wipe

Analyzed: 07/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1082045 Analyte
Result
RL
Units

Lead

ND

0.50

ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 489058

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 318866

Analysis: EPA 6010B

Lab ID: QC1082043

Prepared: 07/25/23

Analyst: SBW

Matrix: Wipe

Analyzed: 07/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1082043 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	50.14	100	80-120	ug/ft2

Type: BS

Batch#: 318867

Analysis: EPA 6010B

Lab ID: QC1082046

Prepared: 07/25/23

Analyst: SBW

Matrix: Wipe

Analyzed: 07/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1082046 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.33	107	80-120	ug/ft2

Type: BSD

Batch#: 318866

Analysis: EPA 6010B

Lab ID: QC1082044

Prepared: 07/25/23

Analyst: SBW

Matrix: Wipe

Analyzed: 07/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1082044 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	50.26	101	80-120	ug/ft2	0	20

Type: BSD

Batch#: 318867

Analysis: EPA 6010B

Lab ID: QC1082047

Prepared: 07/25/23

Analyst: SBW

Matrix: Wipe

Analyzed: 07/25/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1082047 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.19	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: 489153
Report Level: II
Report Date: 08/02/2023

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	Lab Job #:	489153
Rincon Consultants	Project No:	20-10491
449 15th Street	Location:	Hangar 1 NTCRA
#303	Date Received:	07/25/23
Oakland, CA 94612		

Sample ID	Lab ID	Collected	Matrix
ARCH-C6W-EXT-7 TO 8-230725-P-WF	489153-001	07/25/23 07:30	Wipe
ARCH-C6W-EXT-7 TO 8-230725-L-WF	489153-002	07/25/23 07:30	Wipe
ARCH-C6W-EXT-7 TO 8-230725-L-DUP-WF	489153-003	07/25/23 07:30	Wipe

Case Narrative

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

Lab Job Number: 489153
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/25/23

This data package contains sample and QC results for three wipe samples, requested for the above referenced project on 07/26/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

489153

 ENTHALPY ANALYTICAL Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Chain of Custody Record COC ID: _____ Page: 1 of 1 Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other		Turn Around Time (rush by advanced notice only) Standard: _____ 5 Day: _____ 1 Day: _____ 3 Day: _____ Custom TAT: _____ Sample Receipt Temp: _____ (lab use only)	
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax: _____		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: _____ Address: 158 Cody Road, Mountain View, CA Global ID: _____ Sampled By: D. Welsch		Analysis Request PCBs - EPA Method 8082 Lead - EPA Method 3050/6010B HOLD	
Test Instructions / Comments Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/l2 basis Report Aracolor 1268 concentrations in addition to the standard Aracolors Wipe samples collected from Zone 4 Enclosure CID (Low Occupancy)					
Sample ID 1 ARCH-C6W-EXT-7 TO 8-230725-P-WF 2 ARCH-C6W-EXT-7 TO 8-230725-L-WF 3 ARCH-C6W-EXT-7 TO 8-230725-L-DUP-WF 4 5 6 7 8 9 10 11 12 13 14 15		Sampling Date 7/25/2023 7/25/2023 7/25/2023		Sampling Time 0730 0730 0730	
Matrix WP WP WP		Container No. / Size 1 1 1		Pres. - - -	
Signature Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature] Relinquished By: [Signature] Received By: [Signature]		Print Name David Welsch Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker Lindsay Parker		Company / Title Rincon / Env. Sci. EPTT/HAZOP " " EA EA EA	
Date / Time 7/25/23 12:30 7/25/23 12:30 7/25/23 15:28 7/25/23 15:28 7/25/23 16:49 7/25/23 09:50					

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.



SAMPLE ACCEPTANCE CHECKLIST

489153

Section 1	
Client: Rincon Consultants	Project: Hangar 1 NTCRA
Date Received: 07/26/23	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>5.8</u> #2: _____ #3: _____ #4: _____	
<i>(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)</i>	
Shipping Information: Southwest Airlines	

Section 3	
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other _____	
Cooler Temp (°C): #1: <u>4.2</u> #2: _____ #3: _____ #4: _____	

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

Section 5 Explanations/Comments

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

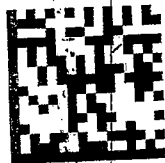
Completed By: [Signature] Date: **JUL 26 2023**

SOUTHWEST AIRLINES

Printed on:
25 JUL 19:26

526 OAK 9107 6344 

SNA		PC# 8 OF 10	DG G	LOT WT 450 LB (204.1 KG)
OAK	WN 2872	25 JUL	20:25	
STN	FLT	DATE	ETD	LOT 01



PC ID: 0008
PC WT: 45LB

S

526 91076344 0008

4.2/5.8

Enthalpy Analytical - Orange Analytical Report

Lab #: 489153

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: ARCH-C6W-EXT-7 TO 8-230725-P-WF

Type: SAMPLE

Lab ID: 489153-001

Matrix: Wipe

Diln Fac: 1.000

Batch#: 318975

Sampled: 07/25/23

Received: 07/25/23

Prepared: 07/27/23

Analyzed: 07/27/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

489153-001 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
489153-001 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		75	19-121

Type: BLANK

Lab ID: QC1082537

Matrix: Wipe

Diln Fac: 1.000

Batch#: 318975

Prepared: 07/26/23

Analyzed: 07/27/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

QC1082537 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
QC1082537 Surrogate		%REC	Limits
TCMX (PCB)		66	19-121
Decachlorobiphenyl (PCB)		73	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489153

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 318975

Analysis: EPA 8082

Lab ID: QC1082538

Prepared: 07/26/23

Analyst: MES

Matrix: Wipe

Analyzed: 07/27/23

Diln Fac: 1.000

Prep: EPA 3546

QC1082538 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.862	77	60-140	ug/100 cm2
Aroclor-1260	5.000	3.680	74	60-140	ug/100 cm2
QC1082538 Surrogate				%REC	Limits
TCMX (PCB)				67	19-121
Decachlorobiphenyl (PCB)				74	19-121

Type: BSD

Batch#: 318975

Analysis: EPA 8082

Lab ID: QC1082539

Prepared: 07/26/23

Analyst: MES

Matrix: Wipe

Analyzed: 07/27/23

Diln Fac: 1.000

Prep: EPA 3546

QC1082539 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.153	83	60-140	ug/100 cm2	7	20
Aroclor-1260	5.000	4.161	83	60-140	ug/100 cm2	12	20
QC1082539 Surrogate				%REC	Limits		
TCMX (PCB)				72	19-121		
Decachlorobiphenyl (PCB)				82	19-121		

Legend

RPD: Relative Percent Difference

Lead

Lab #: 489153	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: ARCH-C6W-EXT-7 TO 8-230725-L-WF	Batch#: 319007	Prep: EPA 3050B
Type: SAMPLE	Sampled: 07/25/23	Analysis: EPA 6010B
Lab ID: 489153-002	Received: 07/25/23	Analyst: SBW
Matrix: Wipe	Prepared: 07/26/23	
Diln Fac: 1.000	Analyzed: 07/27/23	

489153-002 Analyte	Result	RL	Units
Lead	3.7	0.50	ug/ft2

Field ID: ARCH-C6W-EXT-7 TO 8-230725-L-DUP-WF	Batch#: 319007	Prep: EPA 3050B
Type: SAMPLE	Sampled: 07/25/23	Analysis: EPA 6010B
Lab ID: 489153-003	Received: 07/25/23	Analyst: SBW
Matrix: Wipe	Prepared: 07/26/23	
Diln Fac: 1.000	Analyzed: 07/27/23	

489153-003 Analyte	Result	RL	Units
Lead	6.0	0.50	ug/ft2

Type: BLANK	Batch#: 319007	Analysis: EPA 6010B
Lab ID: QC1082508	Prepared: 07/26/23	Analyst: SBW
Matrix: Wipe	Analyzed: 07/27/23	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1082508 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
 ND: Not Detected
 RL: Reporting Limit

Lead: Batch QC

Lab #: 489153

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 319007

Analysis: EPA 6010B

Lab ID: QC1082509

Prepared: 07/26/23

Analyst: SBW

Matrix: Wipe

Analyzed: 07/27/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1082509 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	47.72	95	80-120	ug/ft2

Type: BSD

Batch#: 319007

Analysis: EPA 6010B

Lab ID: QC1082510

Prepared: 07/26/23

Analyst: SBW

Matrix: Wipe

Analyzed: 07/27/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1082510 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	49.13	98	80-120	ug/ft2	3	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 4
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
ARCH-C7E-INT-2.5 TO 3.5-230509-WF	61	1
ARCH-C6E-PS-3.5-230509-G	8.1	1
ARCH-C7E-PS-3.5-230509-G	9.3	1
ARCH-C7E-DG-3.5 TO 4-UP-C7.2-VS-230509-LA	7.7	1
ARCH-C6E-DG-4 TO 4.5-230509-FB	3.6	1
ARCH-C6E-DG-4 TO 4.5-UP-C6.3-DG-230509-LA	66	1
ARCH-C7E-DG-4 TO 4.5-230509-FB	3.3	0
ARCH-C6E-PS-4.5-230509-G	8	1
ARCH-C7E-PS-4.5-230509-G	5.8	1
ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-LA	16	1
ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-LA	13	1
ARCH-C7E-INT-4.5 TO 5.5-230509-WF	13	1
ARCH-C6E-EXT-1 TO 2-230509-WF	9.8	1
ARCH-C7E-EXT-1 TO 2-230509-WF	66	1
ARCH-C6E-DG-1 TO 1.5-230509-DUP-FB	22	1
ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-LA	46	1
ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-LA	120	1
ARCH-C7E-DG-2 TO 2.5-230509-DUP-FB	95	1
ARCH-C6E-PS-2.5-230509-G	56	1
ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-LA	220	1
ARCH-C7E-PS-2.5-230509-G	42	1
ARCH-C6E-DG-3 TO 3.5-230509-FB	61	1
ARCH-C6E-INT-4.5 TO 5.5-230524-WF	22	1
ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-LA	29	1
ARCH-C7E-DG-5 TO 5.5-UP-C7.1-HS-230524-LA	30	1
ARCH-C6E-PS-5.5-230524-G	50	1
ARCH-C7E-PS-5.5-230524-G	32	1
ARCH-C7E-DG-5 TO 5.5-DN-C7.6-DG-230524-LA	62	1
ARCH-C6E-DG-5.5 TO 6-230524-DUP-FB	17	1
ARCH-C6E-DG-5.5 TO 6-UP-C6.4-HS-230524-LA	21	1
ARCH-C7E-DG-5.5 TO 6-DN-C7.1-VS-230524-LA	34	1
ARCH-C6E-DG-6 TO 6.5-UP-C6.3-VS-230524-LA	46	1
ARCH-C7E-DG-6 TO 6.5-230524-FB	18	1
ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-LA	44	1
ARCH-C6E-DG-6 TO 6.5-DN-C6.1-DG-230524-LA	31	1
ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-LA	160	1
ARCH-C6E-PS-6.5-230524-G	25	1
ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-LA	220	1
ARCH-C7E-PS-6.5-230524-G	58	1
ARCH-C6E-EXT-7 TO 8-230524-DUP-WF	370	1



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 4
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-LA	170	1
ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-LA	180	1
ARCH-C7E-DG-7.5 TO 8-230524-FB	220	1
ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230524-LA	73	1
ARCH-C6E-DG-7.5 TO 8-DN-C6.7-DG-230524-LA	92	1
ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-LA	170	1
ARCH-C7E-DG-7 TO 8-DN-C7.5-VS-230524-LA	130	1
ARCH-C7E-EXT-8 TO 9-230524-WF	290	1
ARCH-C6W-EXT-1 TO 2-230619-WF	29	1
ARCH-C7W-EXT-1 TO 2-230619-WF	26	1
ARCH-C6W-DG-1.5 TO 2-230619-FB	17	1
ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-LA	25	1
ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-LA	23	1
ARCH-C7W-DG-2 TO 2.5-230619-FB	15	1
ARCH-C6W-PS-2.5-230619-G	43	1
ARCH-C7W-PS-2.5-230619-G	22	1
ARCH-C6W-DG-3 TO 3.5-230619-FB	29	1
ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-LA	56	1
ARCH-C7W-PS-3.5-230619-G	23	1
ARCH-C6W-PS-3.5-230619-G	31	1
ARCH-C6W-DG-4 TO 4.5-230619-FB	7.7	1
ARCH-C6W-DG-4 TO 4.5-UP-C6.3-DG-230619-LA	24	1
ARCH-C7W-DG-4 TO 4.5-230619-FB	100	1
ARCH-C6W-PS-4.5-230619-G	110	1
ARCH-C7W-PS-4.5-230619-G	190	1
ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-LA	32	1
ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-LA	61	1
ARCH-C7W-INT-4.5 TO 5.5-230619-WF	50	1
ARCH-C6W-INT-4.5 TO 5.5-230619-DUP-WF	57	1
ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-LA	75	1
ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-LA	74	1
ARCH-C6W-PS-5.5-230724-G	27	1
ARCH-C7W-PS-5.5-230724-G	62	1
ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230724-LA	92	1
ARCH-C6W-DG-5.5 TO 6-UP-C6.4-HS-230724-LA	110	1
ARCH-C7W-DG-5.5 TO 6-DN-C7.1-VS-230724-LA	66	1
ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-LA	45	1
ARCH-C7W-DG-6 TO 6.5-230724-DUP-FB	45	1
ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-LA	83	1
ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-LA	100	1



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 4
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-LA	43	1
ARCH-C6W-PS-6.5-230724-G	16	0
ARCH-C7W-PS-6.5-230724-G	51	1
ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-LA	76	1
ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-LA	170	1
ARCH-C7W-INT-7.5 TO 9-230724-WF	54	1
ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-LA	52	1
ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-LA	36	1
ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-LA	56	1
ARCH-C7W-EXT-8 TO 9-230724-WF	25	1
ARCH-C6W-EXT-7 TO 8-230725-DUP-WF	6	1



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 4
ProUCL Lead Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 10/2/2023 1:49:11 PM
From File	Z4_LO_Lead_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LeadResults

General Statistics			
Total Number of Observations	91	Number of Distinct Observations	60
Number of Detects	89	Number of Non-Detects	2
Number of Distinct Detects	59	Number of Distinct Non-Detects	2
Minimum Detect	3.6	Minimum Non-Detect	3.3
Maximum Detect	370	Maximum Non-Detect	16
Variance Detects	4400	Percent Non-Detects	2.198%
Mean Detects	65.87	SD Detects	66.33
Median Detects	46	CV Detects	1.007
Skewness Detects	2.176	Kurtosis Detects	5.602
Mean of Logged Detects	3.761	SD of Logged Detects	0.962

Normal GOF Test on Detects Only		
Shapiro Wilk Test Statistic	0.768	Normal GOF Test on Detected Observations Only
1% Shapiro Wilk P Value	0	Detected Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.218	Lilliefors GOF Test
1% Lilliefors Critical Value	0.109	Detected Data Not Normal at 1% Significance Level
Detected Data Not Normal at 1% Significance Level		

Kaplan-Meier (KM) Statistics using Normal Critical Values and other Nonparametric UCLs			
KM Mean	64.55	KM Standard Error of Mean	6.939
90KM SD	65.82	95% KM (BCA) UCL	76.14
95% KM (t) UCL	76.08	95% KM (Percentile Bootstrap) UCL	76.39
95% KM (z) UCL	75.96	95% KM Bootstrap t UCL	78.32
90% KM Chebyshev UCL	85.36	95% KM Chebyshev UCL	94.79
97.5% KM Chebyshev UCL	107.9	99% KM Chebyshev UCL	133.6

Gamma GOF Tests on Detected Observations Only			
A-D Test Statistic	0.86	Anderson-Darling GOF Test	
5% A-D Critical Value	0.776	Detected Data Not Gamma Distributed at 5% Significance Level	
K-S Test Statistic	0.103	Kolmogorov-Smirnov GOF	
5% K-S Critical Value	0.0969	Detected Data Not Gamma Distributed at 5% Significance Level	
Detected Data Not Gamma Distributed at 5% Significance Level			



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 4
ProUCL Lead Output File

Gamma Statistics on Detected Data Only			
k hat (MLE)	1.313	k star (bias corrected MLE)	1.276
Theta hat (MLE)	50.16	Theta star (bias corrected MLE)	51.6
nu hat (MLE)	233.7	nu star (bias corrected)	227.2
Mean (detects)	65.87		

Gamma ROS Statistics using Imputed Non-Detects			
GROS may not be used when data set has > 50% NDs with many tied observations at multiple DLs			
GROS may not be used when kstar of detects is small such as <1.0, especially when the sample size is small (e.g., <15-20)			
For such situations, GROS method may yield incorrect values of UCLs and BTVs			
This is especially true when the sample size is small.			
For gamma distributed detected data, BTVs and UCLs may be computed using gamma distribution on KM estimates			
Minimum	0.01	Mean	64.42
Maximum	370	Median	45
SD	66.3	CV	1.029
k hat (MLE)	0.983	k star (bias corrected MLE)	0.958
Theta hat (MLE)	65.54	Theta star (bias corrected MLE)	67.25
nu hat (MLE)	178.9	nu star (bias corrected)	174.3
Adjusted Level of Significance (β)	0.0474		
Approximate Chi Square Value (174.33, α)	144.8	Adjusted Chi Square Value (174.33, β)	144.4
95% Gamma Approximate UCL	77.56	95% Gamma Adjusted UCL	77.79

Estimates of Gamma Parameters using KM Estimates			
Mean (KM)	64.55	SD (KM)	65.82
Variance (KM)	4332	SE of Mean (KM)	6.939
k hat (KM)	0.962	k star (KM)	0.937
nu hat (KM)	175	nu star (KM)	170.6
theta hat (KM)	67.12	theta star (KM)	68.86
80% gamma percentile (KM)	104.4	90% gamma percentile (KM)	151
95% gamma percentile (KM)	197.9	99% gamma percentile (KM)	307.1

Gamma Kaplan-Meier (KM) Statistics			
Approximate Chi Square Value (170.59, α)	141.4	Adjusted Chi Square Value (170.59, β)	141
95% KM Approximate Gamma UCL	77.88	95% KM Adjusted Gamma UCL	78.11

Lognormal GOF Test on Detected Observations Only		
Shapiro Wilk Approximate Test Statistic	0.98	Shapiro Wilk GOF Test
10% Shapiro Wilk P Value	0.575	Detected Data appear Lognormal at 10% Significance Level
Lilliefors Test Statistic	0.0634	Lilliefors GOF Test
10% Lilliefors Critical Value	0.0861	Detected Data appear Lognormal at 10% Significance Level
Detected Data appear Lognormal at 10% Significance Level		



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 4
ProUCL Lead Output File

Lognormal ROS Statistics Using Imputed Non-Detects			
Mean in Original Scale	64.56	Mean in Log Scale	3.715
SD in Original Scale	66.18	SD in Log Scale	1.003
95% t UCL (assumes normality of ROS data)	76.09	95% Percentile Bootstrap UCL	76
95% BCA Bootstrap UCL	76.52	95% Bootstrap t UCL	77.42
95% H-UCL (Log ROS)	86.11		

Statistics using KM estimates on Logged Data and Assuming Lognormal Distribution			
KM Mean (logged)	3.714	KM Geo Mean	41.01
KM SD (logged)	1	95% Critical H Value (KM-Log)	2.246
KM Standard Error of Mean (logged)	0.106	95% H-UCL (KM -Log)	85.68
KM SD (logged)	1	95% Critical H Value (KM-Log)	2.246
KM Standard Error of Mean (logged)	0.106		

DL/2 Statistics			
DL/2 Normal		DL/2 Log-Transformed	
Mean in Original Scale	64.52	Mean in Log Scale	3.707
SD in Original Scale	66.21	SD in Log Scale	1.026
95% t UCL (Assumes normality)	76.06	95% H-Stat UCL	88.06
DL/2 is not a recommended method, provided for comparisons and historical reasons			

Nonparametric Distribution Free UCL Statistics	
Detected Data appear Lognormal Distributed at 10% Significance Level	

Suggested UCL to Use			
KM H-UCL	85.68		

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 4
ProUCL PCB Output File

UCL Statistics for Data Sets with Non-Detects	
User Selected Options	
Date/Time of Computation	ProUCL 5.2 8/31/2023 10:27:37 AM
From File	Z4_LO_PCB_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Aroclor 1016

General Statistics			
Total Number of Observations	91	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	91
Number of Distinct Detects	0	Number of Distinct Non-Detects	1
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1016 was not processed!			

Aroclor 1221

General Statistics			
Total Number of Observations	91	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	91
Number of Distinct Detects	0	Number of Distinct Non-Detects	1
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1221 was not processed!			

Aroclor 1232

General Statistics			
Total Number of Observations	91	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	91
Number of Distinct Detects	0	Number of Distinct Non-Detects	1
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1232 was not processed!			



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 4
ProUCL PCB Output File

Aroclor 1242

General Statistics			
Total Number of Observations	91	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	91
Number of Distinct Detects	0	Number of Distinct Non-Detects	1
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1242 was not processed!			

Aroclor 1248

General Statistics			
Total Number of Observations	91	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	91
Number of Distinct Detects	0	Number of Distinct Non-Detects	1
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1248 was not processed!			

Aroclor 1254

General Statistics			
Total Number of Observations	91	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	91
Number of Distinct Detects	0	Number of Distinct Non-Detects	1
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1254 was not processed!			



Attachment 4
Hangar 1 Data Summary Submittal for the
Low Occupancy Area of Zone 4
ProUCL PCB Output File

Aroclor 1260

General Statistics			
Total Number of Observations	91	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	91
Number of Distinct Detects	0	Number of Distinct Non-Detects	1
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1260 was not processed!			

Aroclor 1262

General Statistics			
Total Number of Observations	91	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	91
Number of Distinct Detects	0	Number of Distinct Non-Detects	1
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1262 was not processed!			

Aroclor 1268

General Statistics			
Total Number of Observations	91	Number of Distinct Observations	1
Number of Detects	0	Number of Non-Detects	91
Number of Distinct Detects	0	Number of Distinct Non-Detects	1
Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!			
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!			
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).			
The data set for variable Aroclor 1268 was not processed!			

Attachment 5

Data Validation Reports



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

September 14, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on May 30, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #56774 RV1:

SDG #

484891
484907

Fraction

Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A 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\56774ST-Wipe.wpd

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

484891

484907

September 14, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the May 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

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

As discussed in the text of this DSS, the samples identified as media blank samples in this DVR are actually field blank samples, not media blank samples.

8082

One media blank was collected and analyzed. No contaminants were found.

6010B

One media blank was collected and analyzed. The media blank had detections for lead. The associated sample results were qualified as non-detected (U) due to media blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the media blank were not qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082

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

Two 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.

Due to media blank contamination, data were qualified as not detected in one sample.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

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: 484891

Method: 6010B

230509-L-MEDBLANK1	484891-026	WIPE	FB	3050B	5/9/2023 1:15:00 PM	S2AVE
ARCH-C6E-DG-4 TO 4.5-230509-L-FB	484891-010	WIPE	N	3050B	5/9/2023 1:20:00 PM	S2AVE
ARCH-C6E-DG-4 TO 4.5-UP-C6.3-DG-230509-L-LA	484891-012	WIPE	N	3050B	5/9/2023 1:35:00 PM	S2AVE
ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-L-LA	484891-022	WIPE	N	3050B	5/9/2023 2:45:00 PM	S2AVE
ARCH-C6E-PS-3.5-230509-L-G	484891-004	WIPE	N	3050B	5/9/2023 12:42:00 PM	S2AVE
ARCH-C6E-PS-4.5-230509-L-G	484891-016	WIPE	N	3050B	5/9/2023 2:10:00 PM	S2AVE
ARCH-C7E-DG-3.5 TO 4-UP-C7.2-VS-230509-L-LA	484891-008	WIPE	N	3050B	5/9/2023 1:00:00 PM	S2AVE
ARCH-C7E-DG-4 TO 4.5-230509-L-FB	484891-014	WIPE	N	3050B	5/9/2023 1:45:00 PM	S2AVE
ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-L-LA	484891-020	WIPE	N	3050B	5/9/2023 2:25:00 PM	S2AVE
ARCH-C7E-INT-2.5 TO 3.5-230509-L-WF	484891-002	WIPE	N	3050B	5/9/2023 2:40:00 PM	S2AVE
ARCH-C7E-INT-4.5 TO 5.5-230509-L-WF	484891-024	WIPE	N	3050B	5/9/2023 2:55:00 PM	S2AVE
ARCH-C7E-PS-3.5-230509-L-G	484891-006	WIPE	N	3050B	5/9/2023 12:30:00 PM	S2AVE
ARCH-C7E-PS-4.5-230509-L-G	484891-018	WIPE	N	3050B	5/9/2023 2:00:00 PM	S2AVE

Method: 8082

230509-P-MEDBLANK1	484891-025	WIPE	FB	3546	5/9/2023 1:15:00 PM	S2AVE
ARCH-C6E-DG-4 TO 4.5-230509-P-FB	484891-009	WIPE	N	3546	5/9/2023 1:20:00 PM	S2AVE
ARCH-C6E-DG-4 TO 4.5-UP-C6.3-DG-230509-P-LA	484891-011	WIPE	N	3546	5/9/2023 1:35:00 PM	S2AVE
ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-P-LA	484891-021	WIPE	N	3546	5/9/2023 2:45:00 PM	S2AVE
ARCH-C6E-PS-3.5-230509-P-G	484891-003	WIPE	N	3546	5/9/2023 12:42:00 PM	S2AVE
ARCH-C6E-PS-4.5-230509-P-G	484891-015	WIPE	N	3546	5/9/2023 2:10:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

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-C7E-DG-3.5 TO 4-UP- C7.2-VS-230509-P-LA	484891-007	WIPE	N	3546	5/9/2023 1:00:00 PM	S2AVE
ARCH-C7E-DG-4 TO 4.5-230509-P-FB	484891-013	WIPE	N	3546	5/9/2023 1:45:00 PM	S2AVE
ARCH-C7E-DG-4.5 TO 5-UP- C7.5-VS-230509-P-LA	484891-019	WIPE	N	3546	5/9/2023 2:25:00 PM	S2AVE
ARCH-C7E-INT-2.5 TO 3.5-230509-P-WF	484891-001	WIPE	N	3546	5/9/2023 2:40:00 PM	S2AVE
ARCH-C7E-INT-4.5 TO 5.5-230509-P-WF	484891-023	WIPE	N	3546	5/9/2023 2:55:00 PM	S2AVE
ARCH-C7E-PS-3.5-230509-P- G	484891-005	WIPE	N	3546	5/9/2023 12:30:00 PM	S2AVE
ARCH-C7E-PS-4.5-230509-P- G	484891-017	WIPE	N	3546	5/9/2023 2:00:00 PM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

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: 484907

Method: 6010B

ARCH-C6E-DG-1 TO 1.5-230509-L-DUP-FB	484907-007	WIPE	FD	3050B	5/9/2023 12:55:00 PM	S3VEM
ARCH-C6E-DG-1 TO 1.5-230509-L-FB	484907-006	WIPE	N	3050B	5/9/2023 12:55:00 PM	S3VEM
ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-L-LA	484907-013	WIPE	N	3050B	5/9/2023 1:40:00 PM	S3VEM
ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-L-LA	484907-020	WIPE	N	3050B	5/9/2023 2:10:00 PM	S3VEM
ARCH-C6E-DG-3 TO 3.5-230509-L-FB	484907-024	WIPE	N	3050B	5/9/2023 3:00:00 PM	S3VEM
ARCH-C6E-EXT-1 TO 2-230509-L-WF	484907-002	WIPE	N	3050B	5/9/2023 12:45:00 PM	S3VEM
ARCH-C6E-PS-2.5-230509-L-G	484907-018	WIPE	N	3050B	5/9/2023 2:30:00 PM	S3VEM
ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-L-LA	484907-010	WIPE	N	3050B	5/9/2023 1:10:00 PM	S3VEM
ARCH-C7E-DG-2 TO 2.5-230509-L-DUP-FB	484907-016	WIPE	FD	3050B	5/9/2023 1:25:00 PM	S3VEM
ARCH-C7E-DG-2 TO 2.5-230509-L-FB	484907-015	WIPE	N	3050B	5/9/2023 1:25:00 PM	S3VEM
ARCH-C7E-EXT-1 TO 2-230509-L-WF	484907-004	WIPE	N	3050B	5/9/2023 12:30:00 PM	S3VEM
ARCH-C7E-PS-2.5-230509-L-G	484907-022	WIPE	N	3050B	5/9/2023 2:00:00 PM	S3VEM

Method: 8082

ARCH-C6E-DG-1 TO 1.5-230509-P-FB	484907-005	WIPE	N	3546	5/9/2023 12:55:00 PM	S3VEM
ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-DUP-LA	484907-012	WIPE	FD	3546	5/9/2023 1:40:00 PM	S3VEM
ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-LA	484907-011	WIPE	N	3546	5/9/2023 1:40:00 PM	S3VEM
ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-P-LA	484907-019	WIPE	N	3546	5/9/2023 2:10:00 PM	S3VEM
ARCH-C6E-DG-3 TO 3.5-230509-P-FB	484907-023	WIPE	N	3546	5/9/2023 3:00:00 PM	S3VEM
ARCH-C6E-EXT-1 TO 2-230509-P-WF	484907-001	WIPE	N	3546	5/9/2023 12:45:00 PM	S3VEM
ARCH-C6E-PS-2.5-230509-P-G	484907-017	WIPE	N	3546	5/9/2023 2:30:00 PM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

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-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-DUP-LA	484907-009	WIPE	FD	3546	5/9/2023 1:10:00 PM	S3VEM
ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-LA	484907-008	WIPE	N	3546	5/9/2023 1:10:00 PM	S3VEM
ARCH-C7E-DG-2 TO 2.5-230509-P-FB	484907-014	WIPE	N	3546	5/9/2023 1:25:00 PM	S3VEM
ARCH-C7E-EXT-1 TO 2-230509-P-WF	484907-003	WIPE	N	3546	5/9/2023 12:30:00 PM	S3VEM
ARCH-C7E-PS-2.5-230509-P-G	484907-021	WIPE	N	3546	5/9/2023 2:00:00 PM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

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>
--------------------------------	-----------------------------	----------------------	---------------------------	----------------------------------	-------------------------------	-------------------------------

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: 484891

Laboratory: Enthalpy Orange

EDD Filename: Prep484891

eQAPP Name:

Method Category: METALS

Method: 6010B

Matrix: WIPE

Sample ID: ARCH-C7E-DG-4 TO 4.5-230509-L-FB

Collected: 5/9/2023 1:45:00 PM Analysis Type: RES

Dilution: 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	3.3	b	0.22	MDL	0.25	CRQL	ug/ft2	U	Fb

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

7/19/2023 9:52:35 AM

ADR version 1.9.0.325

Page 1 of 2

Data Qualifier Summary

Lab Reporting Batch ID: 484891

Laboratory: Enthalpy Orange

EDD Filename: Prep484891

eQAPP Name:

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
Fb	Field Blank Contamination

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

7/19/2023 9:52:35 AM

ADR version 1.9.0.325

Page 2 of 2

Data Qualifier Summary

Lab Reporting Batch ID: 484907

EDD Filename: Prep484907

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I
Validation Outlier Reports

Quality Control Outlier Reports

484891

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 56774A4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 484891

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 07/12/2023

Page: 1 of 1

Reviewer: JLC

2nd Reviewer: JLC

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB = 13
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB = Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C7E-INT-2.5 TO 3.5-230509-L-WF	484891-002	Wipe	05/09/23
2	ARCH-C6E-PS-3.5-230509-L-G	484891-004	Wipe	05/09/23
3	ARCH-C7E-PS-3.5-230509-L-G	484891-006	Wipe	05/09/23
4	ARCH-C7E-DG-3.5 TO 4-UP-C7.2-VS-230509-L-LA	484891-008	Wipe	05/09/23
5	ARCH-C6E-DG-4 TO 4.5-230509-L-FB	484891-010	Wipe	05/09/23
6	ARCH-C7E-DG-4 TO 4.5-UP-C6.3-DG-230509-L-LA	484891-012	Wipe	05/09/23
7	ARCH-C6E-DG-4 TO 4.5-230509-L-FB	484891-014	Wipe	05/09/23
8	ARCH-C7E-PS-4.5-230509-L-G	484891-016	Wipe	05/09/23
9	ARCH-C7E-PS-4.5-230509-L-G	484891-018	Wipe	05/09/23
10	ARCH-C6E-DG-4.5 TO 5-UP-C7.5-VS-230509-L-LA	484891-020	Wipe	05/09/23
11	ARCH-C7E-DG-5 TO 5.5-UP-C6.6-DG-230509-L-LA	484891-022	Wipe	05/09/23
12	ARCH-C7E-INT-4.5-TO 5.5-230509-L-WF	484891-024	Wipe	05/09/23
13	230509-L-MEDBLANK1 FB	484891-026	Wipe	05/09/23
14				
15				
16				

Notes:

Field Blank Outlier Report

Lab Reporting Batch ID: 484891

Laboratory: Enthalpy Orange

EDD Filename: Prep484891

eQAPP Name:

Method: 6010B

Matrix: WIPE

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
230509-L-MEDBLANK1(RES)	5/9/2023 1:15:00 PM	LEAD	0.69 ug/ft2	ARCH-C6E-DG-4 TO 4.5-230509-L-FB ARCH-C6E-DG-4 TO 4.5-UP-C6.3-DG-230509-L-LA ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-L-LA ARCH-C6E-PS-3.5-230509-L-G ARCH-C6E-PS-4.5-230509-L-G ARCH-C7E-DG-3.5 TO 4-UP-C7.2-VS-230509-L-LA ARCH-C7E-DG-4 TO 4.5-230509-L-FB ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-L-LA ARCH-C7E-INT-2.5 TO 3.5-230509-L-WF ARCH-C7E-INT-4.5 TO 5.5-230509-L-WF ARCH-C7E-PS-3.5-230509-L-G ARCH-C7E-PS-4.5-230509-L-G

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
ARCH-C7E-DG-4 TO 4.5-230509-L-FB(RES)	LEAD	3.3 ug/ft2	3.3U ug/ft2

Project Name and Number: 20-10491 - Hangar 1 NTCRA

7/19/2023 9:52:22 AM

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 #: 56774A3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 484891

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/19/2023

Page: of

Reviewer: BR

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C7E-INT-2.5 TO 3.5-230509-P-WF	484891-001	Wipe	05/09/23
2	ARCH-C6E-PS-3.5-230509-P-G	484891-003	Wipe	05/09/23
3	ARCH-C7E-PS-3.5-230509-P-G	484891-005	Wipe	05/09/23
4	ARCH-C7E-DG-3.5 TO 4-UP-C7.2-VS-230509-P-LA	484891-007	Wipe	05/09/23
5	ARCH-C6E-DG-4-TO 4.2-230509-P-FB	484891-009	Wipe	05/09/23
6	ARCH-C6E-DG-4 TO 4.5-UP-C6.3-DG-230509-P-LA	484891-011	Wipe	05/09/23
7	ARCH-C7E-DG-4 TO 4.5-230509-P-FB	484891-013	Wipe	05/09/23
8	ARCH-C6E-PS-4.5-230509-P-G	484891-015	Wipe	05/09/23
9	ARCH-C7E-PS-4.5-230509-P-G	484891-017	Wipe	05/09/23
10	ARCH-C7E-DG-4.5 TO 5-UP-C7.5-VS-230509-P-LA	484891-019	Wipe	05/09/23
11	ARCH-C6E-DG-5 TO 5.5-UP-C6.6-DG-230509-P-LA	484891-021	Wipe	05/09/23
12	ARCH-C7E-INT-4.5-TO 5.5-230509-P-WF	484891-023	Wipe	05/09/23
13	230509-P-MEDBLANK1	484891-025	Wipe	05/09/23
14				
15				
16				
17				

Quality Control Outlier Reports

484907

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 56774B3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 484907

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 6/13/23

Page: 1 of 1

Reviewer: P1

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	% RSD ≤ 20 P1 ICV ≤ 20 15%
III.	Continuing calibration	A	CW ≤ 20 15%
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 15	A	
VII.	Matrix spike/Matrix spike duplicates	N	CP
VIII.	Laboratory control samples	A	100% ID
IX.	Field duplicates	ND	D = 4, 5 6, 7
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-C6E-EXT-1 TO 2-230509-P-WG	484907-001	Wipe	05/09/23
2	ARCH-C7E-EXT-1 TO 2-230509-P-WF	484907-003	Wipe	05/09/23
3	ARCH-C6E-DG-1 TO 1.5-230509-P-FB	484907-005	Wipe	05/09/23
4	ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-LA	484907-008	Wipe	05/09/23
5	ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-P-DUP-LA	484907-009	Wipe	05/09/23
6	ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-LA	484907-011	Wipe	05/09/23
7	ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-P-DUP-LA	484907-012	Wipe	05/09/23
8	ARCH-C7E-DG-2 TO 2.5-230509-P-FB	484907-014	Wipe	05/09/23
9	ARCH-C6E-PS-2.5-230509-P-G	484907-017	Wipe	05/09/23
10	ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-P-LA	484907-019	Wipe	05/09/23
11	ARCH-C7E-PS-2.5-230509-P-G	484907-021	Wipe	05/09/23
12	ARCH-C6E-DG-3 TO 3.5-230509-P-FB	484907-023	Wipe	05/09/23
13				

Notes:

313861				

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 56174 B3b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: FT

Method: ✓ GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	☒	☐	☐	
Was cooler temperature criteria met?	☒	☐	☐	
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	☒	☐	☐	
Were all percent relative standard deviations (%RSD) < 20%?	☒	☐	☐	
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990 ?	☒	☐	☐	
Were the RT windows properly established?	☒	☐	☐	
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	☒	☐	☐	
Were all percent differences (%D) < 20%? ^{15%}	☒	☐	☐	
III. Continuing calibration				
Was a continuing calibration analyzed daily? ^{15%}	☒	☐	☐	
Were all percent differences (%D) < 20%? ^{15%}	☒	☐	☐	
Were all the retention times within the acceptance windows?	☒	☐	☐	
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	☒	☐	☐	
Was a laboratory blank analyzed for each matrix and concentration?	☒	☐	☐	
Was there contamination in the laboratory blanks?	☐	☒	☐	
V. Field Blanks				
Were field blanks identified in this SDG?	☐	☒	☐	
Were target analytes detected in the field blanks?	☐	☐	☒	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	☒	☐	☐	
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?	☐	☐	☒	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?	☐	☐	☒	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	☐	☐	☒	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	☐	☐	☒	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	☒	☐	☐	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	☒	☐	☐	

LDC #: 96774 B3b

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: _____

LDC #: 52774133b**VALIDATION FINDINGS WORKSHEET**
Initial Calibration Calculation VerificationPage: 1 of 1
Reviewer: FT
2nd Reviewer: _____METHOD: GC / HPLC

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C

Average CF = sum of the CF/number of standards

%RSD = 100 * (S/X)

Where: A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				CF (<u>250</u> std)	CF (<u>250</u> std)	CF (initial)	CF (initial)	%RSD	%RSD
1	1CAL	3/7/22	Aroclor 1260-1 chA	0.0680	0.0680	0.0666	0.0666	18	18
			↓ chB	0.0587	0.0587	0.0571	0.0571	14	14
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 56774 B 3h**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	5/15/23 1238	Arachid 1260 chA	500.0	470.7	470.7	6	6
			↓ chB	↓	448.8	448.8	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 #: 56774 B3b

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: $SF/SS \times 100$
 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	34.2315	68	68	0
PCB	↓	↓	31.5024	63	63	↓

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 #: 56774B3h

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: 3/3861- 10210

[illegible]

Comments:

LDC #: 56774 B3h

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page: 1 of 1
Reviewer: FT

METHOD: GC HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

$$\text{Concentration} = \frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$$

Example:

Sample ID: 313801-LED Anchor 1260
(315)

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

$$\text{Concentration} = \frac{352.55 (10)}{(1.07) (1000)} = 3.526 \text{ ug/cm}^2$$

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm ²)	Recalculated Results Concentrations (ug/100 cm ²)	Qualifications
	LED	Anchor 1260	3.526	3.526	
				1260-1 =	395.95
	Anchor 1260-1 =	9291435.36 (20.0)	= 395.95	2 =	369.6
		8219248.66 (0.051)		3 =	346.2
				4 =	311.3
				5 =	339.4
					352.55

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 #: 56774B4b

VALIDATION COMPLETENESS WORKSHEET

Date: 07/17/2023

SDG #: 484907

Stage 3

Page: 1 of 1

Laboratory: Enthalpy Analytical, Orange, CA

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	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(3,4), (7,8)
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C6E-EXT-1 TO 2-230509-L-WF	484907-002	Wipe	05/09/23
2	ARCH-C7E-EXT-1 TO 2-230509-L-WF	484907-004	Wipe	05/09/23
3	ARCH-C6E-DG-1 TO 1.5-230509-L-FB	484907-006	Wipe	05/09/23
4	ARCH-C6E-DG-1 TO 1.5-230509-L-DUP-FB	484907-007	Wipe	05/09/23
5	ARCH-C7E-DG-1.5 TO 2-DN-C7.7-VS-230509-L-LA	484907-010	Wipe	05/09/23
6	ARCH-C6E-DG-2 TO 2.5-UP-C6.6-HS-230509-L-LA	484907-013	Wipe	05/09/23
7	ARCH-C7E-DG-2 TO 2.5-230509-L-FB	484907-015	Wipe	05/09/23
8	ARCH-C7E-DG-2 TO 2.5-230509-L-DUP-FB	484907-016	Wipe	05/09/23
9	ARCH-C6E-PS-2.5-230509-L-G	484907-018	Wipe	05/09/23
10	ARCH-C6E-DG-2.5 TO 3-DN-C6.5-VS-230509-L-LA	484907-020	Wipe	05/09/23
11	ARCH-C7E-PS-2.5-230509-L-G	484907-022	Wipe	05/09/23
12	ARCH-C6E-DG-3 TO 3.5-230509-L-FB	484907-024	Wipe	05/09/23
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	X			
Were all water samples preserved to a pH of <2.			X	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			X	
Were %RSDs of isotopes in the tuning solution ≤5%?			X	
III. Calibration				
Were all instruments calibrated daily?	X			
Were the proper standards used?	X			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	X			
Were the low level standard checks within 70-130%?			X	
Were all initial calibration correlation coefficients within limits as specified by the method?	X			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	X			
Was there contamination in the method blanks?		X		
Was there contamination in the initial and continuing calibration blanks?		X		
V. Interference Check Sample				
Were the interference check samples performed daily?	X			
Were the AB solution recoveries within 80-120%?		X		
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			X	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			X	
VII. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	X			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	X			

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			X	
If the recoveries were outside the limits, was a reanalysis performed?			X	
IX. Serial Dilution				
Were all percent differences <10%?			X	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			X	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	X			
Were all soil samples dry weight corrected?			X	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	X			
XII. Field Duplicates				
Were field duplicates identified in this SDG?	X			
Were target analytes detected in the field duplicates?	X			
XIII. Field Blanks				
Were field blanks identified in this SDG?			X	
Were target analytes detected in the field blanks?			X	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

Interference Check Sample A

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit	Associated Samples	Qualification*	Det/ND
5/11/2023	11:08	ICSA	Pb	0.0175	0.00333	All	No qual (sample 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 Duplicate RPD Report

Lab Reporting Batch ID: 484907

Laboratory: Enthalpy Orange

EDD Filename: Prep484907

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C6E-DG-1 TO 1.5-230509-L-FB (TOT)	ARCH-C6E-DG-1 TO 1.5-230509-L-DUP-FB			
LEAD	12	22	59	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C7E-DG-2 TO 2.5-230509-L-FB (TOT)	ARCH-C7E-DG-2 TO 2.5-230509-L-DUP-FB			
LEAD	87	95	9	100.00	No Qualifiers Applied

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	3	4		
Pb	12	22	59	

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	7	8		
Pb	87	95	9	

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	1.065	1	106.5	106	Y
CCV	ICP	Pb	1.072	1	107.2	107	Y
LLCC	ICP	Pb					
ICSAB	ICP	Pb	1.011	1	101.1	101	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

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)
QC1065071	LCS	Pb	52.29	50	104.58	105	Y
	MS						
QC1065070/QC1065071	Duplicate	Pb	52.94	52.29	1.235389148	1	Y
	PDS						
	Serial dilution						

VALIDATION FINDINGS CHECKLIST
Sample Calculation Verification

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Analytes were recalculated and verified using the following equation:

$$\text{Concentration} = (\text{Result from raw data} \times \text{Final volume} \times \text{Dilution factor}) / (\text{Initial volume})$$

Sample ID	Analyte	Raw Data (unit)	Dilution	Initial Weight/ Volume (ft2)	Final Volume (mL)	Reported Result (ug/ft2)	Recalculated Result (ug/ft2)	Acceptable (Y/N)
1	Pb	0.197	1	1	50	9.8	9.85	Y
2	Pb	1.319	1	1	50	66	65.95	Y
3	Pb	0.2389	1	1	50	12	11.945	Y
4	Pb	0.4364	1	1	50	22	21.82	Y
5	Pb	0.9337	1	1.02	50	46	45.76960784	Y
6	Pb	2.424	1	1.02	50	120	118.8235294	Y
7	Pb	1.741	1	1	50	87	87.05	Y
8	Pb	1.896	1	1	50	95	94.8	Y
9	Pb	1.203	1	1.0828	50	56	55.55042482	Y
10	Pb	4.305	1	1	50	220	215.25	Y
11	Pb	0.916	1	1.0828	50	42	42.29774658	Y
12	Pb	1.222	1	1	50	61	61.1	Y



LABORATORY DATA CONSULTANTS, INC.

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Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

September 14, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on June 27, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #56993 RV1:

SDG #

485697
486134
486142

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\56993ST-Wipe.wpd

Automated Data Review Data Validation Report Hangar 1 NTCRA

Sample Delivery Groups

485697

486134

486142

Only the highlighted SDGs contain
samples that were collected within the Low
Occupancy Area of Zone 4.

September 14, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the May 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

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

As discussed in the text of this DSS, the samples identified as media blank samples in this DVR are actually field blank samples, not media blank samples.

8082

Five media blanks were collected and analyzed. No contaminants were found.

6010B

Five media blanks were collected and analyzed. Five media blanks had detections for lead. The associated sample results were qualified as non-detected (U) due to media blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the media blank were not qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082

Eight 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.

Due to media blank contamination, data were qualified as not detected in two samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

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: 485697

Method: 6010B

230524-L-MEDBLANK2	485697-060	WIPE	FB	3050B	5/24/2023 8:15:00 AM	S2AVE
230524-L-MEDBLANK3	485697-062	WIPE	FB	3050B	5/24/2023 7:50:00 AM	S2AVE
ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-L-LA	485697-005	WIPE	N	3050B	5/24/2023 8:26:00 AM	S2AVE
ARCH-C6E-DG-5.5 TO 6-230524-L-DUP-FB	485697-016	WIPE	FD	3050B	5/24/2023 9:26:00 AM	S2AVE
ARCH-C6E-DG-5.5 TO 6-230524-L-FB	485697-015	WIPE	N	3050B	5/24/2023 9:26:00 AM	S2AVE
ARCH-C6E-DG-5.5 TO 6-UP-C6.4-HS-230524-L-LA	485697-018	WIPE	N	3050B	5/24/2023 9:42:00 AM	S2AVE
ARCH-C6E-DG-6 TO 6.5-DN-C6.1-DG-230524-L-LA	485697-030	WIPE	N	3050B	5/24/2023 10:58:00 AM	S2AVE
ARCH-C6E-DG-6 TO 6.5-UP-C6.3-VS-230524-L-LA	485697-022	WIPE	N	3050B	5/24/2023 10:15:00 AM	S2AVE
ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-L-LA	485697-036	WIPE	N	3050B	5/24/2023 8:25:00 AM	S2AVE
ARCH-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-L-LA	485697-054	WIPE	N	3050B	5/24/2023 10:35:00 AM	S2AVE
ARCH-C6E-DG-7.5 TO 8-DN-C6.7-DG-230524-L-LA	485697-052	WIPE	N	3050B	5/24/2023 10:20:00 AM	S2AVE
ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-L-LA	485697-046	WIPE	N	3050B	5/24/2023 9:40:00 AM	S2AVE
ARCH-C6E-EXT-7 TO 8-230524-L-DUP-WF	485697-041	WIPE	FD	3050B	5/24/2023 9:05:00 AM	S2AVE
ARCH-C6E-EXT-7 TO 8-230524-L-WF	485697-040	WIPE	N	3050B	5/24/2023 9:05:00 AM	S2AVE
ARCH-C6E-INT-4.5 TO 5.5-230524-L-WF	485697-002	WIPE	N	3050B	5/24/2023 7:47:00 AM	S2AVE
ARCH-C6E-PS-5.5-230524-L-G	485697-009	WIPE	N	3050B	5/24/2023 8:38:00 AM	S2AVE
ARCH-C6E-PS-6.5-230524-L-G	485697-034	WIPE	N	3050B	5/24/2023 8:10:00 AM	S2AVE
ARCH-C7E-DG-5 TO 5.5-DN-C7.6-DG-230524-L-LA	485697-013	WIPE	N	3050B	5/24/2023 9:10:00 AM	S2AVE
ARCH-C7E-DG-5 TO 5.5-UP-C7.1-HS-230524-L-LA	485697-007	WIPE	N	3050B	5/24/2023 8:06:00 AM	S2AVE
ARCH-C7E-DG-5.5 TO 6-DN-C7.1-VS-230524-L-LA	485697-020	WIPE	N	3050B	5/24/2023 9:57:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
Method: 6010B						
ARCH-C7E-DG-6 TO 6.5-230524-L-DUP-FB	485697-025	WIPE	FD	3050B	5/24/2023 10:25:00 AM	S2AVE
ARCH-C7E-DG-6 TO 6.5-230524-L-FB	485697-024	WIPE	N	3050B	5/24/2023 10:25:00 AM	S2AVE
ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-L-LA	485697-032	WIPE	N	3050B	5/24/2023 8:00:00 AM	S2AVE
ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-L-LA	485697-028	WIPE	N	3050B	5/24/2023 10:40:00 AM	S2AVE
ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-L-LA	485697-043	WIPE	N	3050B	5/24/2023 8:50:00 AM	S2AVE
ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230524-L-LA	485697-050	WIPE	N	3050B	5/24/2023 9:50:00 AM	S2AVE
ARCH-C7E-DG-7 TO 8-DN-C7.5-VS-230524-L-LA	485697-056	WIPE	N	3050B	5/24/2023 10:45:00 AM	S2AVE
ARCH-C7E-DG-7.5 TO 8-230524-L-FB	485697-048	WIPE	N	3050B	5/24/2023 10:10:00 AM	S2AVE
ARCH-C7E-EXT-8 TO 9-230524-L-WF	485697-058	WIPE	N	3050B	5/24/2023 11:00:00 AM	S2AVE
ARCH-C7E-PS-5.5-230524-L-G	485697-011	WIPE	N	3050B	5/24/2023 8:52:00 AM	S2AVE
ARCH-C7E-PS-6.5-230524-L-G	485697-038	WIPE	N	3050B	5/24/2023 8:40:00 AM	S2AVE
Method: 8082						
230524-P-MEDBLANK2	485697-059	WIPE	FB	3546	5/24/2023 8:15:00 AM	S2AVE
230524-P-MEDBLANK3	485697-061	WIPE	FB	3546	5/24/2023 7:50:00 AM	S2AVE
ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P-DUP-LA	485697-004	WIPE	N	3546	5/24/2023 8:26:00 AM	S2AVE
ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P-LA	485697-003	WIPE	N	3546	5/24/2023 8:26:00 AM	S2AVE
ARCH-C6E-DG-5.5 TO 6-230524-P-FB	485697-014	WIPE	N	3546	5/24/2023 9:26:00 AM	S2AVE
ARCH-C6E-DG-5.5 TO 6-UP-C6.4-HS-230524-P-LA	485697-017	WIPE	N	3546	5/24/2023 9:42:00 AM	S2AVE
ARCH-C6E-DG-6 TO 6.5-DN-C6.1-DG-230524-P-LA	485697-029	WIPE	N	3546	5/24/2023 10:58:00 AM	S2AVE
ARCH-C6E-DG-6 TO 6.5-UP-C6.3-VS-230524-P-LA	485697-021	WIPE	N	3546	5/24/2023 10:15:00 AM	S2AVE
ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-P-LA	485697-035	WIPE	N	3546	5/24/2023 8:25:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

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-C6E-DG-7.5 TO 8-DN-C6.1-VS-230524-P-LA	485697-053	WIPE	N	3546	5/24/2023 10:35:00 AM	S2AVE
ARCH-C6E-DG-7.5 TO 8-DN-C6.7-DG-230524-P-LA	485697-051	WIPE	N	3546	5/24/2023 10:20:00 AM	S2AVE
ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-P-DUP-LA	485697-045	WIPE	FD	3546	5/24/2023 9:40:00 AM	S2AVE
ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-P-LA	485697-044	WIPE	N	3546	5/24/2023 9:40:00 AM	S2AVE
ARCH-C6E-EXT-7 TO 8-230524-P-WF	485697-039	WIPE	N	3546	5/24/2023 9:05:00 AM	S2AVE
ARCH-C6E-INT-4.5 TO 5.5-230524-P-WF	485697-001	WIPE	N	3546	5/24/2023 7:47:00 AM	S2AVE
ARCH-C6E-PS-5.5-230524-P-G	485697-008	WIPE	N	3546	5/24/2023 8:38:00 AM	S2AVE
ARCH-C6E-PS-6.5-230524-P-G	485697-033	WIPE	N	3546	5/24/2023 8:10:00 AM	S2AVE
ARCH-C7E-DG-5 TO 5.5-DN-C7.6-DG-230524-P-LA	485697-012	WIPE	N	3546	5/24/2023 9:10:00 AM	S2AVE
ARCH-C7E-DG-5 TO 5.5-UP-C7.1-HS-230524-P-LA	485697-006	WIPE	N	3546	5/24/2023 8:06:00 AM	S2AVE
ARCH-C7E-DG-5.5 TO 6-DN-C7.1-VS-230524-P-LA	485697-019	WIPE	N	3546	5/24/2023 9:57:00 AM	S2AVE
ARCH-C7E-DG-6 TO 6.5-230524-P-FB	485697-023	WIPE	N	3546	5/24/2023 10:25:00 AM	S2AVE
ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-P-LA	485697-031	WIPE	N	3546	5/24/2023 8:00:00 AM	S2AVE
ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-P-DUP-LA	485697-027	WIPE	FD	3546	5/24/2023 10:40:00 AM	S2AVE
ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-P-LA	485697-026	WIPE	N	3546	5/24/2023 10:40:00 AM	S2AVE
ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-P-LA	485697-042	WIPE	N	3546	5/24/2023 8:50:00 AM	S2AVE
ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230524-P-LA	485697-049	WIPE	N	3546	5/24/2023 9:50:00 AM	S2AVE
ARCH-C7E-DG-7 TO 8-DN-C7.5-VS-230524-P-LA	485697-055	WIPE	N	3546	5/24/2023 10:45:00 AM	S2AVE
ARCH-C7E-DG-7.5 TO 8-230524-P-FB	485697-047	WIPE	N	3546	5/24/2023 10:10:00 AM	S2AVE
ARCH-C7E-EXT-8 TO 9-230524-P-WF	485697-057	WIPE	N	3546	5/24/2023 11:00:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

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-C7E-PS-5.5-230524-P-G	485697-010	WIPE	N	3546	5/24/2023 8:52:00 AM	S2AVE
ARCH-C7E-PS-6.5-230524-P-G	485697-037	WIPE	N	3546	5/24/2023 8:40:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

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: 486134

Method: 6010B

AFRAME-C6E-LAT-L3-UP-C6.4-DG-230601-L-LA	486134-018	WIPE	N	3050B	6/1/2023 9:35:00 AM	S3VEM
AFRAME-C6E-LAT-L3-UP-C6.7-DG-230601-L-LA	486134-006	WIPE	N	3050B	6/1/2023 8:20:00 AM	S3VEM
AFRAME-C6E-MED-L3-EXT-1 TO 2-230601-L-DUP-WF	486134-003	WIPE	FD	3050B	6/1/2023 8:45:00 AM	S3VEM
AFRAME-C6E-MED-L3-EXT-1 TO 2-230601-L-WF	486134-002	WIPE	N	3050B	6/1/2023 8:45:00 AM	S3VEM
AFRAME-C6E-MED-L3-UP-C6.5-HM-230601-L-CB	486134-008	WIPE	N	3050B	6/1/2023 8:35:00 AM	S3VEM
AFRAME-C6E-MED-L3-UP-C6E-DG-230601-L-LA	486134-020	WIPE	N	3050B	6/1/2023 9:50:00 AM	S3VEM
AFRAME-C7E-LAT-L3-EXT-1 TO 2-230601-L-DUP-WF	486134-011	WIPE	FD	3050B	6/1/2023 8:10:00 AM	S3VEM
AFRAME-C7E-LAT-L3-EXT-1 TO 2-230601-L-WF	486134-010	WIPE	N	3050B	6/1/2023 8:10:00 AM	S3VEM
AFRAME-C7E-LAT-L3-UP-C7.1-DG-230601-L-LA	486134-014	WIPE	N	3050B	6/1/2023 7:55:00 AM	S3VEM
AFRAME-C7E-LAT-L3-UP-C7.3-DG-230601-L-LA	486134-024	WIPE	N	3050B	6/1/2023 9:15:00 AM	S3VEM
AFRAME-C7E-MED-L3-UP-C7.6-HM-230601-L-CB	486134-016	WIPE	N	3050B	6/1/2023 7:45:00 AM	S3VEM
AFRAME-C7E-MED-L3-UP-C7E-DG-230601-L-LA	486134-022	WIPE	N	3050B	6/1/2023 9:25:00 AM	S3VEM

Method: 8082

AFRAME-C6E-LAT-L3-UP-C6.4-DG-230601-P-LA	486134-017	WIPE	N	3546	6/1/2023 9:35:00 AM	S3VEM
AFRAME-C6E-LAT-L3-UP-C6.7-DG-230601-P-DUP-LA	486134-005	WIPE	FD	3546	6/1/2023 8:20:00 AM	S3VEM
AFRAME-C6E-LAT-L3-UP-C6.7-DG-230601-P-LA	486134-004	WIPE	N	3546	6/1/2023 8:20:00 AM	S3VEM
AFRAME-C6E-MED-L3-EXT-1 TO 2-230601-P-WF	486134-001	WIPE	N	3546	6/1/2023 8:45:00 AM	S3VEM
AFRAME-C6E-MED-L3-UP-C6.5-HM-230601-P-CB	486134-007	WIPE	N	3546	6/1/2023 8:35:00 AM	S3VEM
AFRAME-C6E-MED-L3-UP-C6E-DG-230601-P-LA	486134-019	WIPE	N	3546	6/1/2023 9:50:00 AM	S3VEM
AFRAME-C7E-LAT-L3-EXT-1 TO 2-230601-P-WF	486134-009	WIPE	N	3546	6/1/2023 8:10:00 AM	S3VEM

7/19/2023 12:07:34 PM

ADR version 1.9.0.325

Page 1 of 3

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (7/19/2023)

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-C7E-LAT-L3-UP-C7.1-DG-230601-P-DUP-LA	486134-013	WIPE	FD	3546	6/1/2023 7:55:00 AM	S3VEM
AFRAME-C7E-LAT-L3-UP-C7.1-DG-230601-P-LA	486134-012	WIPE	N	3546	6/1/2023 7:55:00 AM	S3VEM
AFRAME-C7E-LAT-L3-UP-C7.3-DG-230601-P-LA	486134-023	WIPE	N	3546	6/1/2023 9:15:00 AM	S3VEM
AFRAME-C7E-MED-L3-UP-C7.6-HM-230601-P-CB	486134-015	WIPE	N	3546	6/1/2023 7:45:00 AM	S3VEM
AFRAME-C7E-MED-L3-UP-C7E-DG-230601-P-LA	486134-021	WIPE	N	3546	6/1/2023 9:25:00 AM	S3VEM

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 486142

Method: 6010B

230601-L-MEDBLANK1	486142-084	WIPE	FB	3050B	6/1/2023 7:34:00 AM	S2AVE
230601-L-MEDBLANK2	486142-086	WIPE	FB	3050B	6/1/2023 7:40:00 AM	S2AVE
230601-L-MEDBLANK3	486142-088	WIPE	FB	3050B	6/1/2023 1:20:00 PM	S2AVE
AFRAME-C6E-LAT-L1-EXT-1 TO 2-230601-L-WF	486142-064	WIPE	N	3050B	6/1/2023 2:40:00 PM	S2AVE
AFRAME-C6E-LAT-L1- HS-3-230601-L-A	486142-048	WIPE	N	3050B	6/1/2023 11:10:00 AM	S2AVE
AFRAME-C6E-LAT-L1- HS-3-230601-L-DUP-A	486142-049	WIPE	FD	3050B	6/1/2023 11:10:00 AM	S2AVE
AFRAME-C6E-LAT-L1-UP- C6.1-VS-230601-L-I	486142-051	WIPE	N	3050B	6/1/2023 1:15:00 PM	S2AVE
AFRAME-C6E-LAT-L1-UP- C6.7-HS-230601-L-LA	486142-068	WIPE	N	3050B	6/1/2023 1:10:00 PM	S2AVE
AFRAME-C6E-LAT-L2-DN- C6.1-DG-230601-L-LA	486142-035	WIPE	N	3050B	6/1/2023 8:25:00 AM	S2AVE
AFRAME-C6E-LAT-L2-INT-0 TO 0.5-230601-L-FB	486142-033	WIPE	N	3050B	6/1/2023 8:10:00 AM	S2AVE
AFRAME-C6E-LAT-L3-EXT-0 TO 1-230601-L-WF	486142-004	WIPE	N	3050B	6/1/2023 10:50:00 AM	S2AVE
AFRAME-C6E-MED-L1-DN- C6.7E-DG-230601-L-SS	486142-076	WIPE	N	3050B	6/1/2023 2:00:00 PM	S2AVE
AFRAME-C6E-MED-L1-EXT-0 TO 1-230601-L-WF	486142-074	WIPE	N	3050B	6/1/2023 2:55:00 PM	S2AVE
AFRAME-C6E-MED-L1- HS-3-230601-L-A	486142-046	WIPE	N	3050B	6/1/2023 11:00:00 AM	S2AVE
AFRAME-C6E-MED-L1- HS-3-230601-L-G	486142-044	WIPE	N	3050B	6/1/2023 10:50:00 AM	S2AVE
AFRAME-C6E-MED-L1-INT-1 TO 2-230601-L-FB	486142-066	WIPE	N	3050B	6/1/2023 3:00:00 PM	S2AVE
AFRAME-C6E-MED-L1-UP- C6.1-DG-230601-L-SS	486142-053	WIPE	N	3050B	6/1/2023 1:25:00 PM	S2AVE
AFRAME-C6E-MED-L1-UP- C6.6-DG-230601-L-DUP-SS	486142-056	WIPE	FD	3050B	6/1/2023 1:35:00 PM	S2AVE
AFRAME-C6E-MED-L1-UP- C6.6-DG-230601-L-SS	486142-055	WIPE	N	3050B	6/1/2023 1:35:00 PM	S2AVE
AFRAME-C6E-MED-L2-EXT-0 TO 1-230601-L-WF	486142-015	WIPE	N	3050B	6/1/2023 7:45:00 AM	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

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

AFRAME-C6E-MED-L2-INT-0.5 TO 1-230601-L-FB	486142-017	WIPE	N	3050B	6/1/2023 7:55:00 AM	S2AVE
AFRAME-C6E-MED-L2-UP-C6.6-DG-230601-L-LA	486142-020	WIPE	N	3050B	6/1/2023 8:45:00 AM	S2AVE
AFRAME-C6E-MED-L3-DN-C6.2-DG-230601-L-LA	486142-006	WIPE	N	3050B	6/1/2023 10:40:00 AM	S2AVE
AFRAME-C7E-LAT-L1-EXT-0 TO 1-230601-L-WF	486142-080	WIPE	N	3050B	6/1/2023 2:35:00 PM	S2AVE
AFRAME-C7E-LAT-L1-HS-3-230601-L-A	486142-058	WIPE	N	3050B	6/1/2023 1:50:00 PM	S2AVE
AFRAME-C7E-LAT-L1-INT-1 TO 2-230601-L-FB	486142-070	WIPE	N	3050B	6/1/2023 1:30:00 PM	S2AVE
AFRAME-C7E-LAT-L1-UP-C7.7-VS-230601-L-I	486142-060	WIPE	N	3050B	6/1/2023 2:00:00 PM	S2AVE
AFRAME-C7E-LAT-L1-UP-C7E-HS-230601-L-LA	486142-072	WIPE	N	3050B	6/1/2023 1:40:00 PM	S2AVE
AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-DUP-WF	486142-027	WIPE	FD	3050B	6/1/2023 9:25:00 AM	S2AVE
AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-WF	486142-026	WIPE	N	3050B	6/1/2023 9:25:00 AM	S2AVE
AFRAME-C7E-LAT-L2-INT-0.5 TO 1-230601-L-FB	486142-024	WIPE	N	3050B	6/1/2023 9:10:00 AM	S2AVE
AFRAME-C7E-LAT-L2-UP-C7.1-VS-230601-L-I	486142-029	WIPE	N	3050B	6/1/2023 9:40:00 AM	S2AVE
AFRAME-C7E-LAT-L3-DN-C7E-DG-230601-L-LA	486142-010	WIPE	N	3050B	6/1/2023 10:20:00 AM	S2AVE
AFRAME-C7E-LAT-L3-UP-C7.6-HS-230601-L-LA	486142-002	WIPE	N	3050B	6/1/2023 9:00:00 AM	S2AVE
AFRAME-C7E-MED-L1-DN-C7E-DG-230601-L-SS	486142-082	WIPE	N	3050B	6/1/2023 2:15:00 PM	S2AVE
AFRAME-C7E-MED-L1-INT-0 TO 1-230601-L-FB	486142-078	WIPE	N	3050B	6/1/2023 2:30:00 PM	S2AVE
AFRAME-C7E-MED-L1-UP-C7.6-DG-230601-L-SS	486142-062	WIPE	N	3050B	6/1/2023 2:10:00 PM	S2AVE
AFRAME-C7E-MED-L2-DN-C7.5-VS-230601-L-LA	486142-042	WIPE	N	3050B	6/1/2023 10:40:00 AM	S2AVE
AFRAME-C7E-MED-L2-EXT-0 TO 1-230601-L-WF	486142-039	WIPE	N	3050B	6/1/2023 10:20:00 AM	S2AVE
AFRAME-C7E-MED-L2-HS-1-230601-L-G	486142-022	WIPE	N	3050B	6/1/2023 9:50:00 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

AFRAME-C7E-MED-L2-INT-0 TO 0.5-230601-L-FB	486142-037	WIPE	N	3050B	6/1/2023 10:00:00 AM	S2AVE
AFRAME-C7E-MED-L2-UP- C7.2-DG-230601-L-LA	486142-031	WIPE	N	3050B	6/1/2023 8:55:00 AM	S2AVE
AFRAME-C7E-MED-L3-DN- C7.5-DG-230601-L-LA	486142-013	WIPE	N	3050B	6/1/2023 10:05:00 AM	S2AVE
AFRAME-C7E-MED-L3-EXT-0 TO 1-230601-L-WF	486142-008	WIPE	N	3050B	6/1/2023 10:30:00 AM	S2AVE

Method: 8082

230601-P-MEDBLANK1	486142-083	WIPE	FB	3546	6/1/2023 7:34:00 AM	S2AVE
230601-P-MEDBLANK2	486142-085	WIPE	FB	3546	6/1/2023 7:40:00 AM	S2AVE
230601-P-MEDBLANK3	486142-087	WIPE	FB	3546	6/1/2023 1:20:00 PM	S2AVE
AFRAME-C6E-LAT-L1-EXT-1 TO 2-230601-P-WF	486142-063	WIPE	N	3546	6/1/2023 2:40:00 PM	S2AVE
AFRAME-C6E-LAT-L1- HS-3-230601-P-A	486142-047	WIPE	N	3546	6/1/2023 11:10:00 AM	S2AVE
AFRAME-C6E-LAT-L1-UP- C6.1-VS-230601-P-I	486142-050	WIPE	N	3546	6/1/2023 1:15:00 PM	S2AVE
AFRAME-C6E-LAT-L1-UP- C6.7-HS-230601-P-LA	486142-067	WIPE	N	3546	6/1/2023 1:10:00 PM	S2AVE
AFRAME-C6E-LAT-L2-DN- C6.1-DG-230601-P-LA	486142-034	WIPE	N	3546	6/1/2023 8:25:00 AM	S2AVE
AFRAME-C6E-LAT-L2-INT-0 TO 0.5-230601-P-FB	486142-032	WIPE	N	3546	6/1/2023 8:10:00 AM	S2AVE
AFRAME-C6E-LAT-L3-EXT-0 TO 1-230601-P-WF	486142-003	WIPE	N	3546	6/1/2023 10:50:00 AM	S2AVE
AFRAME-C6E-MED-L1-DN- C6.7E-DG-230601-P-SS	486142-075	WIPE	N	3546	6/1/2023 2:00:00 PM	S2AVE
AFRAME-C6E-MED-L1-EXT-0 TO 1-230601-P-WF	486142-073	WIPE	N	3546	6/1/2023 2:55:00 PM	S2AVE
AFRAME-C6E-MED-L1- HS-3-230601-P-A	486142-045	WIPE	N	3546	6/1/2023 11:00:00 AM	S2AVE
AFRAME-C6E-MED-L1- HS-3-230601-P-G	486142-043	WIPE	N	3546	6/1/2023 10:50:00 AM	S2AVE
AFRAME-C6E-MED-L1-INT-1 TO 2-230601-P-FB	486142-065	WIPE	N	3546	6/1/2023 3:00:00 PM	S2AVE
AFRAME-C6E-MED-L1-UP- C6.1-DG-230601-P-SS	486142-052	WIPE	N	3546	6/1/2023 1:25:00 PM	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
Method: 8082						
AFRAME-C6E-MED-L1-UP-C6.6-DG-230601-P-SS	486142-054	WIPE	N	3546	6/1/2023 1:35:00 PM	S2AVE
AFRAME-C6E-MED-L2-EXT-0 TO 1-230601-P-WF	486142-014	WIPE	N	3546	6/1/2023 7:45:00 AM	S2AVE
AFRAME-C6E-MED-L2-INT-0.5 TO 1-230601-P-FB	486142-016	WIPE	N	3546	6/1/2023 7:55:00 AM	S2AVE
AFRAME-C6E-MED-L2-UP-C6.6-DG-230601-P-DUP-LA	486142-019	WIPE	FD	3546	6/1/2023 8:45:00 AM	S2AVE
AFRAME-C6E-MED-L2-UP-C6.6-DG-230601-P-LA	486142-018	WIPE	N	3546	6/1/2023 8:45:00 AM	S2AVE
AFRAME-C6E-MED-L3-DN-C6.2-DG-230601-P-LA	486142-005	WIPE	N	3546	6/1/2023 10:40:00 AM	S2AVE
AFRAME-C7E-LAT-L1-EXT-0 TO 1-230601-P-WF	486142-079	WIPE	N	3546	6/1/2023 2:35:00 PM	S2AVE
AFRAME-C7E-LAT-L1-HS-3-230601-P-A	486142-057	WIPE	N	3546	6/1/2023 1:50:00 PM	S2AVE
AFRAME-C7E-LAT-L1-INT-1 TO 2-230601-P-FB	486142-069	WIPE	N	3546	6/1/2023 1:30:00 PM	S2AVE
AFRAME-C7E-LAT-L1-UP-C7.7-VS-230601-P-I	486142-059	WIPE	N	3546	6/1/2023 2:00:00 PM	S2AVE
AFRAME-C7E-LAT-L1-UP-C7E-HS-230601-P-LA	486142-071	WIPE	N	3546	6/1/2023 1:40:00 PM	S2AVE
AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-P-WF	486142-025	WIPE	N	3546	6/1/2023 9:25:00 AM	S2AVE
AFRAME-C7E-LAT-L2-INT-0.5 TO 1-230601-P-FB	486142-023	WIPE	N	3546	6/1/2023 9:10:00 AM	S2AVE
AFRAME-C7E-LAT-L2-UP-C7.1-VS-230601-P-I	486142-028	WIPE	N	3546	6/1/2023 9:40:00 AM	S2AVE
AFRAME-C7E-LAT-L3-DN-C7E-DG-230601-P-LA	486142-009	WIPE	N	3546	6/1/2023 10:20:00 AM	S2AVE
AFRAME-C7E-LAT-L3-UP-C7.6-HS-230601-P-LA	486142-001	WIPE	N	3546	6/1/2023 9:00:00 AM	S2AVE
AFRAME-C7E-MED-L1-DN-C7E-DG-230601-P-SS	486142-081	WIPE	N	3546	6/1/2023 2:15:00 PM	S2AVE
AFRAME-C7E-MED-L1-INT-0 TO 1-230601-P-FB	486142-077	WIPE	N	3546	6/1/2023 2:30:00 PM	S2AVE
AFRAME-C7E-MED-L1-UP-C7.6-DG-230601-P-SS	486142-061	WIPE	N	3546	6/1/2023 2:10:00 PM	S2AVE
AFRAME-C7E-MED-L2-DN-C7.5-VS-230601-P-DUP-LA	486142-041	WIPE	FD	3546	6/1/2023 10:40:00 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: 8082

AFRAME-C7E-MED-L2-DN-C7.5-VS-230601-P-LA	486142-040	WIPE	N	3546	6/1/2023 10:40:00 AM	S2AVE
AFRAME-C7E-MED-L2-EXT-0 TO 1-230601-P-WF	486142-038	WIPE	N	3546	6/1/2023 10:20:00 AM	S2AVE
AFRAME-C7E-MED-L2-HS-1-230601-P-G	486142-021	WIPE	N	3546	6/1/2023 9:50:00 AM	S2AVE
AFRAME-C7E-MED-L2-INT-0 TO 0.5-230601-P-FB	486142-036	WIPE	N	3546	6/1/2023 10:00:00 AM	S2AVE
AFRAME-C7E-MED-L2-UP-C7.2-DG-230601-P-LA	486142-030	WIPE	N	3546	6/1/2023 8:55:00 AM	S2AVE
AFRAME-C7E-MED-L3-DN-C7.5-DG-230601-P-DUP-LA	486142-012	WIPE	FD	3546	6/1/2023 10:05:00 AM	S2AVE
AFRAME-C7E-MED-L3-DN-C7.5-DG-230601-P-LA	486142-011	WIPE	N	3546	6/1/2023 10:05:00 AM	S2AVE
AFRAME-C7E-MED-L3-EXT-0 TO 1-230601-P-WF	486142-007	WIPE	N	3546	6/1/2023 10:30:00 AM	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

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>
--------------------------------	-----------------------------	----------------------	---------------------------	----------------------------------	-------------------------------	-------------------------------

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: 485697

EDD Filename: Prep485697

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

SDG# 486134 does not contain samples collected in the low occupancy area of Zone 4.

Data Qualifier Summary

Lab Reporting Batch ID: 486134

Laboratory: Enthalpy Orange

EDD Filename: Prep486134

eQAPP Name:

No Data Review Qualifiers Applied.

SDG# 486142 does not contain samples collected in the low occupancy area of Zone 4.

Data Qualifier Summary

Lab Reporting Batch ID: 486142

Laboratory: Enthalpy Orange

EDD Filename: Prep486142

eQAPP Name:

Method Category: METALS

Method: 6010B

Matrix: WIPE

AFRAME-C7E-LAT-L2-UP-C7.1-
Sample ID: VS-230601-L-I

Collected: 6/1/2023 9:40:00 AM Analysis Type: RES

Dilution: 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	12		0.072	MDL	0.25	CRQL	ug/ft2	U	Fb

AFRAME-C7E-MED-L1-UP-C7.6-
Sample ID: DG-230601-L-SS

Collected: 6/1/2023 2:10:00 PM Analysis Type: RES

Dilution: 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	10		0.072	MDL	0.25	CRQL	ug/ft2	U	Fb

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

7/19/2023 12:13:52 PM

ADR version 1.9.0.325

Page 1 of 2

Data Qualifier Summary

Lab Reporting Batch ID: 486142

Laboratory: Enthalpy Orange

EDD Filename: Prep486142

eQAPP Name:

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
Fb	Field Blank Contamination

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

7/19/2023 12:13:52 PM

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Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

485697

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 56993A3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 485697

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/19/2023

Page: of

Reviewer: BSN

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 = 30, 31
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD = 3/2, 14/3, 23/22
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C6E-INT-4.5 TO 5.5-230524-P-WF	485697-001	Wipe	05/24/23
2	ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P-LA	485697-003	Wipe	05/24/23
3	ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-P-DUP-LA	485697-004	Wipe	05/24/23
4	ARCH-C7E-DG-5 TO 5.5-UP-C7.1-HS-230524-P-LA	485697-006	Wipe	05/24/23
5	ARCH-C6E-PS-5.5-230524-P-G	485697-008	Wipe	05/24/23
6	ARCH-C7E-PS-5.5-230524-P-G	485697-010	Wipe	05/24/23
7	ARCH-C7E-DG-5 TO 5.5-DN-7.6-DG-230524-P-LA	485697-012	Wipe	05/24/23
8	ARCH-C6E-DG-5.5 TO 6-230524-P-FB	485697-014	Wipe	05/24/23
9	ARCH-C6E-DG-5.5 TO 6-UP-C6.4-HS-230524-P-LA	485697-017	Wipe	05/24/23
10	ARCH-C7E-DG-5.5 TO 6-DN-C7.1-VS-230524-P-LA	485697-019	Wipe	05/24/23
11	ARCH-C6E-DG-6 TO 6.5-UP-C6.3-VS-230524-P-LA	485697-021	Wipe	05/24/23
12	ARCH-C7E-DG-6 TO 6.5-230524-P-FB	485697-023	Wipe	05/24/23
13	ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-P-LA	485697-026	Wipe	05/24/23
14	ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-P-DUP-LA	485697-027	Wipe	05/24/23
15	ARCH-C6E-DG-6 TO 6.5-DN-C6.1-DG-230524-P-LA	485697-029	Wipe	05/24/23
16	ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-P-LA	485697-031	Wipe	05/24/23
17	ARCH-C6E-PS-6.5-230524-P-G	485697-033	Wipe	05/24/23

LDC #: 56993A3b

VALIDATION COMPLETENESS WORKSHEET

Date: _____

SDG #: 485697

Stage 2A

Page: _____ of _____

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: _____

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-P-LA	485697-035	Wipe	05/24/23
19	ARCH-C7E-PS-6.5-230524-P-G	485697-037	Wipe	05/24/23
20	ARCH-C6E-EXT-7 TO 8-230524-P-WF	485697-039	Wipe	05/24/23
21	ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-P-LA	485697-042	Wipe	05/24/23
22	ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-P-LA	485697-044	Wipe	05/24/23
23	ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-P-DUP-LA	485697-045	Wipe	05/24/23
24	ARCH-C7E-DG-7.5 TO 8-230524-P-FB	485697-047	Wipe	05/24/23
25	ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230524-P-LA	485697-049	Wipe	05/24/23
26	ARCH-C6E-DG-7.5 TO 8-DN-C6.7-DG-230524-P-LA	485697-051	Wipe	05/24/23
27	ARCH-C6E-DG-7.5-TO 8-DN-C6.1-VS-230524-P-LA	485697-053	Wipe	05/24/23
28	ARCH-C7E-DG-7 TO 8-DN-C7.5-VS-230524-P-LA	485697-055	Wipe	05/24/23
29	ARCH-C7E-EXT-8 TO 9-230524-P-WF	485697-057	Wipe	05/24/23
30	230524-P-MEDBLANK2	485697-059	Wipe	05/24/23
31	230524-P-MEDBLANK3	485697-061	Wipe	05/24/23
32				
33				
34				

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 #: 56993A4b

VALIDATION COMPLETENESS WORKSHEET

Date: 7/19/2023

SDG #: 485697

Stage 2A

Page: of

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: Bm

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB = 30, 31
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD = 8/7, 13/12, 21/20
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-C6E-INT-4.5 TO 5.5-230524-L-WF	485697-002	Wipe	05/24/23
2	ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230524-L-LA	485697-005	Wipe	05/24/23
3	ARCH-C7E-DG-5 TO 5.5-UP-C7.1-HS-230524-L-LA	485697-007	Wipe	05/24/23
4	ARCH-C6E-PS-5.5-230524-L-G	485697-009	Wipe	05/24/23
5	ARCH-C7E-PS-5.5-230524-L-G	485697-011	Wipe	05/24/23
6	ARCH-C7E-DG-5 TO 5.5-DN-7.6-DG-230524-L-LA	485697-013	Wipe	05/24/23
7	ARCH-C6E-DG-5.5 TO 6-230524-L-FB	485697-015	Wipe	05/24/23
8	ARCH-C6E-DG-5.5 TO 6-230524-L-DUP-FB	485697-016	Wipe	05/24/23
9	ARCH-C6E-DG-5.5 TO 6-UP-C6.4-HS-230524-L-LA	485697-018	Wipe	05/24/23
10	ARCH-C7E-DG-5.5 TO 6-DN-C7.1-VS-230524-L-LA	485697-020	Wipe	05/24/23
11	ARCH-C6E-DG-6 TO 6.5-UP-C6.3-VS-230524-L-LA	485697-022	Wipe	05/24/23
12	ARCH-C7E-DG-6 TO 6.5-230524-L-FB	485697-024	Wipe	05/24/23
13	ARCH-C7E-DG-6 TO 6.5-230524-L-DUP-FB	485697-025	Wipe	05/24/23
14	ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230524-L-LA	485697-028	Wipe	05/24/23
15	ARCH-C6E-DG-6 TO 6.5-DN-C6.1-DG-230524-L-LA	485697-030	Wipe	05/24/23
16	ARCH-C7E-DG-6 TO 6.5-DN-C7.3-DG-230524-L-LA	485697-032	Wipe	05/24/23
17	ARCH-C6E-PS-6.5-230524-L-G	485697-034	Wipe	05/24/23

LDC #: 56993A4b

VALIDATION COMPLETENESS WORKSHEET

Date: _____

SDG #: 485697

Stage 2A

Page: ____ of ____

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: _____

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C6E-DG-6.5 TO 7-UP-C6.3-HS-230524-L-LA	485697-036	Wipe	05/24/23
19	ARCH-C7E-PS-6.5-230524-L-G	485697-038	Wipe	05/24/23
20	ARCH-C6E-EXT-7 TO 8-230524-L-WF	485697-040	Wipe	05/24/23
21	ARCH-C6E-EXT-7 TO 8-230524-L-DUP-WF	485697-041	Wipe	05/24/23
22	ARCH-C7E-DG-7 TO 7.5-UP-C7.1-VS-230524-L-LA	485697-043	Wipe	05/24/23
23	ARCH-C6E-DG-7.5 TO 8-UP-C6E-HM-230524-L-LA	485697-046	Wipe	05/24/23
24	ARCH-C7E-DG-7.5 TO 8-230524-L-FB	485697-048	Wipe	05/24/23
25	ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230524-L-LA	485697-050	Wipe	05/24/23
26	ARCH-C6E-DG-7.5 TO 8-DN-C6.7-DG-230524-L-LA	485697-052	Wipe	05/24/23
27	ARCH-C6E-DG-7.5-TO 8-DN-C6.1-VS-230524-L-LA	485697-054	Wipe	05/24/23
28	ARCH-C7E-DG-7 TO 8-DN-C7.5-VS-230524-L-LA	485697-056	Wipe	05/24/23
29	ARCH-C7E-EXT-8 TO 9-230524-L-WF	485697-058	Wipe	05/24/23
30	230524-L-MEDBLANK2	485697-060	Wipe	05/24/23
31	230524-L-MEDBLANK3	485697-062	Wipe	05/24/23
32				
33				
34				

Notes: _____

Field Blank Contamination Report

Lab Reporting Batch ID: 485697

Laboratory: Enthalpy Orange

EDD Filename: Prep485697

Moffett_Hangar_1_NTCRA_Enthalpy_230403

Method: 6010B

Matrix: WIPE

<i>Analyte</i>	<i>Sample</i>	<i>Concentration (ug/ft2)</i>	<i>Flag</i>
LEAD	230524-L-MEDBLANK2	0.63	No Qualifiers Applied

Field Blank Contamination Report

Lab Reporting Batch ID: 485697

Laboratory: Enthalpy Orange

EDD Filename: Prep485697

Moffett_Hangar_1_NTCRA_Enthalpy_230403

Method: 6010B

Matrix: WIPE

<i>Analyte</i>	<i>Sample</i>	<i>Concentration (ug/ft2)</i>	<i>Flag</i>
LEAD	230524-L-MEDBLANK3	0.88	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 485697

Laboratory: Enthalpy Orange

EDD Filename: Prep485697

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C6E-EXT-7 TO 8-230524-L-WF (TOT)	ARCH-C6E-EXT-7 TO 8-230524-L-DUP-WF			
LEAD	250	370	39	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C7E-DG-6 TO 6.5-230524-L-FB (TOT)	ARCH-C7E-DG-6 TO 6.5-230524-L-DUP-FB			
LEAD	18	16	12	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C6E-DG-5.5 TO 6-230524-L-FB (TOT)	ARCH-C6E-DG-5.5 TO 6-230524-L-DUP-FB			
LEAD	15	17	12	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

7/19/2023 11:59:47 AM

ADR version 1.9.0.325

Page 1 of 1

Quality Control Outlier Reports

~~486134~~

SDG# 486134 does not contain samples collected in the low occupancy area of Zone 4.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 56993B3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 486134

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/17/23

Page: 1 of 1

Reviewer: F

2nd Reviewer: F

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	0% PSD ≤ 20 F1 ICV ≤ 20 15%
III.	Continuing calibration	Δ	CV ≤ 20 15%
IV.	Laboratory Blanks	Δ	
V.	Field blanks	N	
VI.	Surrogate spikes 19	Δ	
VII.	Matrix spike/Matrix spike duplicates	N	0.5
VIII.	Laboratory control samples	Δ	was 10
IX.	Field duplicates	ND	P = 3, 7 4, 7
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-C6E-MED-L3-EXT-1 TO 2-230601-P-WF	486134-001	Wipe	06/01/23
2	AFRAME-C6E-LAT-L3-UP-C6.7-DG-230601-P-LA D	486134-004	Wipe	06/01/23
3	AFRAME-C6E-LAT-L3-UP-C6.7-DG-230601-P-DUP-LA D	486134-005	Wipe	06/01/23
4	AFRAME-C6E-MED-L3-UP-C6.5-HM-230601-P-CB	486134-007	Wipe	06/01/23
5	AFRAME-C7E-LAT-L3-EXT-1 TO 2-230601-P-WF	486134-009	Wipe	06/01/23
6	AFRAME-C7E-LAT-L3-UP-C7.1-DG-230601-P-LA D	486134-012	Wipe	06/01/23
7	AFRAME-C7E-LAT-L3-UP-C7.1-DG-230601-P-DUP-LA D	486134-013	Wipe	06/01/23
8	AFRAME-C7E-MED-L3-UP-C7.6-HM-230601-P-CB	486134-015	Wipe	06/01/23
9	AFRAME-C6E-LAT-L3-UP-C6.4-DG-230601-P-LA	486134-017	Wipe	06/01/23
10	AFRAME-C6E-MED-L3-UP-C6E-DG-230601-P-LA	486134-019	Wipe	06/01/23
11	AFRAME-C7E-MED-L3-UP-C7E-DG-230601-P-LA	486134-021	Wipe	06/01/23
12	AFRAME-C7E-LAT-L3-UP-C7.3-DG-230601-P-LA	486134-023	Wipe	06/01/23
13				

Notes:

315386				

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 96993B3b

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>PA 15%</u>	☒	☐	☐	
III. Continuing calibration				
Was a continuing calibration analyzed daily? <u>PA 15%</u>	☒	☐	☐	
Were all percent differences (%D) < 20%?	☒	☐	☐	
Were all the retention times within the acceptance windows?	☒	☐	☐	
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	☒	☐	☐	
Was a laboratory blank analyzed for each matrix and concentration?	☒	☐	☐	
Was there contamination in the laboratory blanks?	☐	☒	☐	
V. Field Blanks				
Were field blanks identified in this SDG?	☐	☒	☐	
Were target analytes detected in the field blanks?	☐	☐	☒	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	☒	☐	☐	
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?	☐	☐	☒	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?	☐	☐	☒	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	☐	☐	☒	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	☐	☐	☒	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	☒	☐	☐	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	☒	☐	☐	

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	☒	☐	☐	
Were target analytes detected in the field duplicates?	☐	☒	☐	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	☒	☐	☐	
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	☒	☐	☐	
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	☒	☐	☐	
Were manual integrations reviewed and found acceptable?	☒	☐	☐	
Did the laboratory provide before and after integration printouts?	☐	☐	☒	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	☒	☐	☐	

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

LDC #: 9993B3b**VALIDATION FINDINGS WORKSHEET**
Initial Calibration Calculation VerificationPage: 1 of 1
Reviewer: FT
2nd Reviewer: _____METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

$$CF = A/C$$

$$\text{Average CF} = \text{sum of the CF/number of standards}$$

$$\%RSD = 100 * (S/X)$$

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	Recalculated	Reported	Recalculated	Reported	Recalculated
				CF (250 std)	CF (250 std)	CF (initial)	CF (initial)	%RSD	%RSD
1	ICAL	5/22/23	Aroclor 1260-1	0.0709	0.0709	0.0661	0.0661	14	14
			Sta Ch A						
			Aroclor 1260-1	0.0579	0.0579	0.0564	0.0564	17	17
			Ch B						
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 56993B3b

VALIDATION FINDINGS WORKSHEET **Continuing Calibration Results Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

$$\% \text{ Difference} = 100 * (\text{ave. CF} - \text{CF}) / \text{ave. CF}$$

Where: ave. CF = initial calibration average CF
 CF = continuing calibration CF
 A = Area of target analyte
 C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	ccv	6/5/23 1114	Aradoi 1260 chA	500.0	425.1	425.1	15	15
			chB	↓	448.0	448.0	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 #: 56993 B3b

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

 Page: 1 of 1
 Reviewer: FT
METHOD: GC HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

 Where: SF = Surrogate Found
 SS = Surrogate Spiked
Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	CHB	50.0	31.9030	64	64	0
DCB	↓	↓	31.7480	63	63	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 #: 56993B3b

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: 315386 lcs 10

[illegible]

Comments: _____

LDC #: 56993 B3b

VALIDATION FINDINGS WORKSHEET

Sample Calculation Verification

Page: 1 of 1

Reviewer: FT

METHOD: GC/HPLC/GCMS

8082

Y	N	N/A
---	---	-----

Were all reported results recalculated and verified for all level IV samples?

Y	N	N/A
---	---	-----

Were all recalculated results for detected target compounds agree within 10.0% of the reported results?

$$\text{Concentration} = \frac{(A_x)(I_s)(V_i)(DF)(2.0)}{(A_s)(RRF)(V_o)(V_i)(\%S)}$$

A_x = Area of the characteristic ion (EICP) for the compound to be measured

A_{is} = Area of the characteristic ion (EICP) for the specific internal standard

I_s = Amount of internal standard added in nanograms (ng)

V_o = Volume or weight of sample extract in milliliters (ml) or grams (g).

V_i = Volume of extract injected in microliters (ul)

V_1 = Volume of the concentrated extract in microliters (ul)

Df = Dilution Factor.

%S = Percent solids, applicable to soil and solid matrices only.

2.0 = Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 7/5786 (LCS) Arac/ot 1260

$$\text{Conc.} = \frac{(392.6)(10)}{(1.0)(1000)}$$
$$= 3.926 \text{ ng/cm}^2$$

#	Sample ID	Compound	Reported Concentration (ug/100 cm ²)	Calculated Concentration (ug/100 cm ²)	Qualification
	LC7	Aroclor 1260	3.926	3.926	
	1260-1	$\frac{11421492.189(20)}{10199909.8(0.0661)}$ 0.0584	= 397		
			1260-1 =	397	
			2 =	420.9	
			3 =	374.1	
			4 =	363.4	
			5 =	407.7	
				<u>392.6</u>	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 56993B4b

VALIDATION COMPLETENESS WORKSHEET

Date: 07/17/2023

SDG #: 486134

Stage 3

Page: 1 of 1

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: JC

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(1,2), (5,6)
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C6E-MED-L3-EXT-1 TO 2-230601-L-WF	486134-002	Wipe	06/01/23
2	AFRAME-C6E-MED-L3-EXT-1 TO 2-230601-L-DUP-WF	486134-003	Wipe	06/01/23
3	AFRAME-C6E-LAT-L3-UP-C6.7-DG-230601-L-LA	486134-006	Wipe	06/01/23
4	AFRAME-C6E-MED-L3-UP-C6.5-HM-230601-L-CB	486134-008	Wipe	06/01/23
5	AFRAME-C7E-LAT-L3-EXT-1 TO 2-230601-L-WF	486134-010	Wipe	06/01/23
6	AFRAME-C7E-LAT-L3-EXT-1 TO 2-230601-L-DUP-WF	486134-011	Wipe	06/01/23
7	AFRAME-C7E-LAT-L3-C7.1-DG-230601-L-LA	486134-014	Wipe	06/01/23
8	AFRAME-C7E-MED-L3-UP-C7.6-HM-230601-L-CB	486134-016	Wipe	06/01/23
9	AFRAME-C6E-LAT-L3-UP-C6.4-DG-230601-L-LA	486134-018	Wipe	06/01/23
10	AFRAME-C6E-MED-L3-UP-C6E-DG-230601-L-LA	486134-020	Wipe	06/01/23
11	AFRAME-C7E-MED-L3-UP-C7E-DG-230601-L-LA	486134-022	Wipe	06/01/23
12	AFRAME-C7E-LAT-L3-UP-C7.3-DG-230601-L-LA	486134-024	Wipe	06/01/23
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	X			
Were all water samples preserved to a pH of <2.			X	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			X	
Were %RSDs of isotopes in the tuning solution ≤5%?			X	
III. Calibration				
Were all instruments calibrated daily?	X			
Were the proper standards used?	X			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	X			
Were the low level standard checks within 70-130%?			X	
Were all initial calibration correlation coefficients within limits as specified by the method?	X			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	X			
Was there contamination in the method blanks?	X			
Was there contamination in the initial and continuing calibration blanks?		X		
V. Interference Check Sample				
Were the interference check samples performed daily?	X			
Were the AB solution recoveries within 80-120%?		X		
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			X	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			X	
VII. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	X			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	X			

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			X	
If the recoveries were outside the limits, was a reanalysis performed?			X	
IX. Serial Dilution				
Were all percent differences <10%?			X	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			X	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	X			
Were all soil samples dry weight corrected?			X	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	X			
XII. Field Duplicates				
Were field duplicates identified in this SDG?	X			
Were target analytes detected in the field duplicates?	X			
XIII. Field Blanks				
Were field blanks identified in this SDG?		X		
Were target analytes detected in the field blanks?			X	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

Interference Check Sample A

Reviewer: JC

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit	Associated Samples	Qualification*	Det/ND
6/2/2023	9:32	ICSA	Pb	0.006391	0.00333	All	no qual (sample 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 Duplicate RPD Report

Lab Reporting Batch ID: 486134

Laboratory: Enthalpy Orange

EDD Filename: Prep486134

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C7E-LAT-L3-EXT-1 TO 2-230601-L-	AFRAME-C7E-LAT-L3-EXT-1 TO 2-230601-L-			
LEAD	250	280	11	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C6E-MED-L3-EXT-1 TO 2-230601-	AFRAME-C6E-MED-L3-EXT-1 TO 2-230601-L-			
LEAD	160	170	6	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

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Page 1 of 1

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (mg/L)		RPD (≤ 100)	Qualifiers (Parents Only)
	1	2		
Lead	160	170	6	

Analyte	Concentration (mg/L)		RPD (≤ 100)	Qualifiers (Parents Only)
	5	6		
Lead	250	280	11	

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	1.065	1	106.5	106	Y
CCV	ICP	Pb	1.038	1	103.8	103	Y
LLCC	ICP	Pb					
ICSAB	ICP	Pb	1.053	1	105.3	105	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

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)
QC1070383	LCS	Pb	50.26	50	100.52	101	Y
	MS						
QC1070383/QC1070384	Duplicate	Pb	50.26	49.97	0.578669061	1	Y
	PDS						
	Serial dilution						

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	3.262	1	1	50	160	163.1	Y
2	Pb	3.354	1	1	50	170	167.7	Y
3	Pb	2.131	1	1	50	110	106.55	Y
4	Pb	1.24	1	1	50	62	62	Y
5	Pb	5.097	1	1	50	250	254.85	Y
6	Pb	5.582	1	1	50	280	279.1	Y
7	Pb	2.15	1	1	50	110	107.5	Y
8	Pb	2.767	1	1	50	140	138.35	Y
9	Pb	1.373	1	1	50	69	68.65	Y
10	Pb	1.43	1	1	50	71	71.5	Y
11	Pb	1.612	1	1	50	81	80.6	Y
12	Pb	2.817	1	1	50	140	140.85	Y

Quality Control Outlier Reports

486142

SDG# 486142 does not contain samples collected in the low occupancy area of Zone 4.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 56993C3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 486142

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/19/2023

Page: 1 of 2

Reviewer: 18n

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 = 42, 43, 44
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD = 7/6, 11/10, 22/21
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB = Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C7E-LAT-L3-UP-C7.6-HS-230601-P-LA	486142-001	Wipe	06/01/23
2	AFRAME-C6E-LAT-L3-EXT-0 TO 1-230601-P-WF	486142-003	Wipe	06/01/23
3	AFRAME-C6E-MED-L3-DN-C6.2-DG-230601-P-LA	486142-005	Wipe	06/01/23
4	AFRAME-C7E-MED-L3-EXT-0 TO 1-230601-P-WF	486142-007	Wipe	06/01/23
5	AFRAME-C7E-LAT-L3-DN-C7E-DG-230601-P-LA	486142-009	Wipe	06/01/23
6	AFRAME-C7E-MED-L3-DN-C7.5-DG-230601-P-LA	486142-011	Wipe	06/01/23
7	AFRAME-C7E-MED-L3-DN-C7.5-DG-230601-P-DUP-LA	486142-012	Wipe	06/01/23
8	AFRAME-C6E-MED-L2-EXT-0 TO 1-230601-P-WF	486142-014	Wipe	06/01/23
9	AFRAME-C6E-MED-L2-INT-0.5 TO 1-230601-P-FB	486142-016	Wipe	06/01/23
10	AFRAME-C6E-MED-L2-UP-C6.6-DG-230601-P-LA	486142-018	Wipe	06/01/23
11	AFRAME-C6E-MED-L2-UP-C6.6-DG-230601-P-DUP-LA	486142-019	Wipe	06/01/23
12	AFRAME-C7E-MED-L2-HS-1-230601-P-G	486142-021	Wipe	06/01/23
13	AFRAME-C7E-LAT-L2-INT-0.5 TO 1-230601-P-FB	486142-023	Wipe	06/01/23
14	AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-P-WF	486142-025	Wipe	06/01/23
15	AFRAME-C7E-LAT-L2-UP-C7.1-VS-230601-P-I	486142-028	Wipe	06/01/23
16	AFRAME-C7E-MED-L2-UP-C7.2-DG-230601-P-LA	486142-030	Wipe	06/01/23
17	AFRAME-C6E-LAT-L2-INT-0 TO 0.5-230601-P-FB	486142-032	Wipe	06/01/23

LDC #: 56993C3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 486142

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/19/2023

Page: 2 of 2

Reviewer: Bm

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C6E-LAT-L2-DN-C6.1-DG-230601-P-LA	486142-034	Wipe	06/01/23
19	AFRAME-C7E-MED-L2-INT-0 TO 0.5-230601-P-FB	486142-036	Wipe	06/01/23
20	AFRAME-C7E-MED-L2-EXT-0 TO 1-230601-P-WF	486142-038	Wipe	06/01/23
21	AFRAME-C7E-MED-L2-DN-C7.5-VS-230601-P-LA	486142-040	Wipe	06/01/23
22	AFRAME-C7E-MED-L2-DN-C7.5-VS-230601-P-DUP-LA	486142-041	Wipe	06/01/23
23	AFRAME-C6E-MED-L1-HS-3-230601-P-G	486142-043	Wipe	06/01/23
24	AFRAME-C6E-MED-L1-HS-3-230601-P-A	486142-045	Wipe	06/01/23
25	AFRAME-C6E-LAT-HS-3-230601-P-A	486142-047	Wipe	06/01/23
26	AFRAME-C6E-LAT-L1-UP-C6.1-VS-230601-P-I	486142-050	Wipe	06/01/23
27	AFRAME-C6E-MED-L1-UP-C6.1-DG-230601-P-SS	486142-052	Wipe	06/01/23
28	AFRAME-C6E-MED-L1-UP-C6.6-DG-230601-P-SS	486142-054	Wipe	06/01/23
29	AFRAME-C7E-LAT-L1-HS-3-230601-P-A	486142-057	Wipe	06/01/23
30	AFRAME-C7E-LAT-L1-UP-C7.7-VS-230601-P-I	486142-059	Wipe	06/01/23
31	AFRAME-C7E-MED-L1-UP-C7.6-DG-230601-P-SS	486142-061	Wipe	06/01/23
32	AFRAME-C6E-LAT-L1-EXT-1 TO 2-230601-P-WF	486142-063	Wipe	06/01/23
33	AFRAME-C6E-MED-L1-INT-1 TO 2-230601-P-FB	486142-065	Wipe	06/01/23
34	AFRAME-C6E-LAT-L1-UP-C6.7-HS-230601-P-LA	486142-067	Wipe	06/01/23
35	AFRAME-C7E-LAT-L1-INT-1 TO 2-230601-P-FB	486142-069	Wipe	06/01/23
36	AFRAME-C7E-LAT-L1-UP-C7E-HS-230601-P-LA	486142-071	Wipe	06/01/23
37	AFRAME-C6E-MED-L1-EXT-0 TO 1-230601-P-WF	486142-073	Wipe	06/01/23
38	AFRAME-C6E-MED-L1-DN-C6.7E-DG-230601-P-SS	486142-075	Wipe	06/01/23
39	AFRAME-C7E-MED-L1-INT-0 TO 1-230601-P-FB	486142-077	Wipe	06/01/23
40	AFRAME-C7E-LAT-L1-EXT-0 TO 1-230601-P-WF	486142-079	Wipe	06/01/23
41	AFRAME-C7E-MED-L1-DN-C7E-DG-230601-P-SS	486142-081	Wipe	06/01/23
42	230601-P-MEDBLANK1	486142-083	Wipe	06/01/23
43	230601-P-MEDBLANK2	486142-085	Wipe	06/01/23
44	230601-P-MEDBLANK3	486142-087	Wipe	06/01/23
45				
46				
47				
48				

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 #: 56993C4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 486142

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/19/2023

Page: 1 of 2

Reviewer: [Signature]

2nd Reviewer: [Signature]

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB = 42, 43, 44
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD = 13/12, 24/23, 28/27
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data		

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB = Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C7E-LAT-L3-UP-C7.6-HS-230601-L-LA	486142-002	Wipe	06/01/23
2	AFRAME-C6E-LAT-L3-EXT-0 TO 1-230601-L-WF	486142-004	Wipe	06/01/23
3	AFRAME-C6E-MED-L3-DN-C6.2-DG-230601-L-LA	486142-006	Wipe	06/01/23
4	AFRAME-C7E-MED-L3-EXT-0 TO 1-230601-L-WF	486142-008	Wipe	06/01/23
5	AFRAME-C7E-LAT-L3-DN-C7E-DG-230601-L-LA	486142-010	Wipe	06/01/23
6	AFRAME-C7E-MED-L3-DN-C7.5-DG-230601-L-LA	486142-013	Wipe	06/01/23
7	AFRAME-C6E-MED-L2-EXT-0 TO 1-230601-L-WF	486142-015	Wipe	06/01/23
8	AFRAME-C6E-MED-L2-INT-0.5 TO 1-230601-L-FB	486142-017	Wipe	06/01/23
9	AFRAME-C6E-MED-L2-UP-C6.6-DG-230601-L-LA	486142-020	Wipe	06/01/23
10	AFRAME-C7E-MED-L2-HS-1-230601-L-G	486142-022	Wipe	06/01/23
11	AFRAME-C7E-LAT-L2-INT-0.5 TO 1-230601-L-FB	486142-024	Wipe	06/01/23
12	AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-WF	486142-026	Wipe	06/01/23
13	AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-DUP-WF	486142-027	Wipe	06/01/23
14	AFRAME-C7E-LAT-L2-UP-C7.1-VS-230601-L-I	486142-029	Wipe	06/01/23
15	AFRAME-C7E-MED-L2-UP-C7.2-DG-230601-L-LA	486142-031	Wipe	06/01/23
16	AFRAME-C6E-LAT-L2-INT-0 TO 0.5-230601-L-FB	486142-033	Wipe	06/01/23
17	AFRAME-C6E-LAT-L2-DN-C6.1-DG-230601-L-LA	486142-035	Wipe	06/01/23

LDC #: 56993C4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 486142

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 7/19/2023

Page: 2 of 2

Reviewer: BH

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C7E-MED-L2-INT-0 TO 0.5-230601-L-FB	486142-037	Wipe	06/01/23
19	AFRAME-C7E-MED-L2-EXT-0 TO 1-230601-L-WF	486142-039	Wipe	06/01/23
20	AFRAME-C7E-MED-L2-DN-C7.5-VS-230601-L-LA	486142-042	Wipe	06/01/23
21	AFRAME-C6E-MED-L1-HS-3-230601-L-G	486142-044	Wipe	06/01/23
22	AFRAME-C6E-MED-L1-HS-3-230601-L-A	486142-046	Wipe	06/01/23
23	AFRAME-C6E-LAT-HS-3-230601-L-A	486142-048	Wipe	06/01/23
24	AFRAME-C6E-LAT-HS-3-230601-L-DUP-A	486142-049	Wipe	06/01/23
25	AFRAME-C6E-LAT-L1-UP-C6.1-VS-230601-L-I	486142-051	Wipe	06/01/23
26	AFRAME-C6E-MED-L1-UP-C6.1-DG-230601-L-SS	486142-053	Wipe	06/01/23
27	AFRAME-C6E-MED-L1-UP-C6.6-DG-230601-L-SS	486142-055	Wipe	06/01/23
28	AFRAME-C6E-MED-L1-UP-C6.6-DG-230601-L-DUP-SS	486142-056	Wipe	06/01/23
29	AFRAME-C7E-LAT-L1-HS-3-230601-L-A	486142-058	Wipe	06/01/23
30	AFRAME-C7E-LAT-L1-UP-C7.7-VS-230601-L-I	486142-060	Wipe	06/01/23
31	AFRAME-C7E-MED-L1-UP-C7.6-DG-230601-L-SS	486142-062	Wipe	06/01/23
32	AFRAME-C6E-LAT-L1-EXT-1 TO 2-230601-L-WF	486142-064	Wipe	06/01/23
33	AFRAME-C6E-MED-L1-INT-1 TO 2-230601-L-FB	486142-066	Wipe	06/01/23
34	AFRAME-C6E-LAT-L1-UP-C6.7-HS-230601-L-LA	486142-068	Wipe	06/01/23
35	AFRAME-C7E-LAT-L1-INT-1 TO 2-230601-L-FB	486142-070	Wipe	06/01/23
36	AFRAME-C7E-LAT-L1-UP-C7E-HS-230601-L-LA	486142-072	Wipe	06/01/23
37	AFRAME-C6E-MED-L1-EXT-0 TO 1-230601-L-WF	486142-074	Wipe	06/01/23
38	AFRAME-C6E-MED-L1-DN-C6.7E-DG-230601-L-SS	486142-076	Wipe	06/01/23
39	AFRAME-C7E-MED-L1-INT-0 TO 1-230601-L-FB	486142-078	Wipe	06/01/23
40	AFRAME-C7E-LAT-L1-EXT-0 TO 1-230601-L-WF	486142-080	Wipe	06/01/23
41	AFRAME-C7E-MED-L1-DN-C7E-DG-230601-L-SS	486142-082	Wipe	06/01/23
42	230601-L-MEDBLANK1	486142-084	Wipe	06/01/23
43	230601-L-MEDBLANK2	486142-086	Wipe	06/01/23
44	230601-L-MEDBLANK3	486142-088	Wipe	06/01/23
45				
46				
47				
48				

Notes:

Field Blank Outlier Report

Lab Reporting Batch ID: 486142

Laboratory: Enthalpy Orange

EDD Filename: Prep486142

Moffett Hangar 1 NTCRA Enthalpy 230403

Method: 6010B
Matrix: WIPE

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
230601-L-MEDBLANK2 (RES) <i>Branan 7/19/2023</i>	6/1/2023 7:34:00 AM	LEAD	0.93 ug/ft2	AFRAME-C6E-LAT-L1-EXT-1 TO 2-230601-L-WF AFRAME-C6E-LAT-L1- HS-3-230601-L-A AFRAME-C6E-LAT-L1- HS-3-230601-L-DUP-A AFRAME-C6E-LAT-L1-UP-C6.1- VS-230601-L-I AFRAME-C6E-LAT-L1-UP-C6.7- HS-230601-L-LA AFRAME-C6E-LAT-L2-DN-C6.1- DG-230601-L-LA AFRAME-C6E-LAT-L2-INT-0 TO 0.5-230601-L-FB AFRAME-C6E-LAT-L3-EXT-0 TO 1-230601-L-WF AFRAME-C6E-MED-L1-DN- C6.7E-DG-230601-L-SS AFRAME-C6E-MED-L1-EXT-0 TO 1-230601-L-WF AFRAME-C6E-MED-L1- HS-3-230601-L-A AFRAME-C6E-MED-L1- HS-3-230601-L-G AFRAME-C6E-MED-L1-INT-1 TO 2-230601-L-FB AFRAME-C6E-MED-L1-UP- C6.1-DG-230601-L-SS AFRAME-C6E-MED-L1-UP- C6.6-DG-230601-L-DUP-SS AFRAME-C6E-MED-L1-UP- C6.6-DG-230601-L-SS AFRAME-C6E-MED-L2-EXT-0 TO 1-230601-L-WF AFRAME-C6E-MED-L2-INT-0.5 TO 1-230601-L-FB AFRAME-C6E-MED-L2-UP- C6.6-DG-230601-L-LA AFRAME-C6E-MED-L3-DN- C6.2-DG-230601-L-LA AFRAME-C7E-LAT-L1-EXT-0 TO 1-230601-L-WF AFRAME-C7E-LAT-L1- HS-3-230601-L-A AFRAME-C7E-LAT-L1-INT-1 TO 2-230601-L-FB AFRAME-C7E-LAT-L1-UP-C7.7- VS-230601-L-I AFRAME-C7E-LAT-L1-UP-C7E- HS-230601-L-LA AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-DUP-WF AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-WF AFRAME-C7E-LAT-L2-INT-0.5 TO 1-230601-L-FB AFRAME-C7E-LAT-L2-UP-C7.1- VS-230601-L-I AFRAME-C7E-LAT-L3-DN-C7E- DG-230601-L-LA AFRAME-C7E-LAT-L3-UP-C7.6- HS-230601-L-LA AFRAME-C7E-MED-L1-DN- C7E-DG-230601-L-SS AFRAME-C7E-MED-L1-INT-0 TO 1-230601-L-FB AFRAME-C7E-MED-L1-UP- C7.6-DG-230601-L-SS AFRAME-C7E-MED-L2-DN- C7.5-VS-230601-L-LA AFRAME-C7E-MED-L2-EXT-0 TO 1-230601-L-WF AFRAME-C7E-MED-L2- HS-1-230601-L-G AFRAME-C7E-MED-L2-INT-0 TO 0.5-230601-L-FB AFRAME-C7E-MED-L2-UP- C7.2-DG-230601-L-LA AFRAME-C7E-MED-L3-DN- C7.5-DG-230601-L-LA AFRAME-C7E-MED-L3-EXT-0 TO 1-230601-L-WF

Project Name and Number: 20-10491 - Hangar 1 NTCRA

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Field Blank Outlier Report

Lab Reporting Batch ID: 486142

Laboratory: Enthalpy Orange

EDD Filename: Prep486142

Moffett Hangar 1 NTCRA Enthalpy 230403

Method: 6010B

Matrix: WIPE

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
230601-L-MEDBLANK2(RES)	6/1/2023 7:40:00 AM	LEAD	1.2 ug/fl2	AFRAME-C6E-LAT-L1-EXT-1 TO 2-230601-L-WF AFRAME-C6E-LAT-L1- HS-3-230601-L-A AFRAME-C6E-LAT-L1- HS-3-230601-L-DUP-A AFRAME-C6E-LAT-L1-UP-C6.1- VS-230601-L-I AFRAME-C6E-LAT-L1-UP-C6.7- HS-230601-L-LA AFRAME-C6E-LAT-L2-DN-C6.1- DG-230601-L-LA AFRAME-C6E-LAT-L2-INT-0 TO 0.5-230601-L-FB AFRAME-C6E-LAT-L3-EXT-0 TO 1-230601-L-WF AFRAME-C6E-MED-L1-DN- C6.7E-DG-230601-L-SS AFRAME-C6E-MED-L1-EXT-0 TO 1-230601-L-WF AFRAME-C6E-MED-L1- HS-3-230601-L-A AFRAME-C6E-MED-L1- HS-3-230601-L-G AFRAME-C6E-MED-L1-INT-1 TO 2-230601-L-FB AFRAME-C6E-MED-L1-UP- C6.1-DG-230601-L-SS AFRAME-C6E-MED-L1-UP- C6.6-DG-230601-L-DUP-SS AFRAME-C6E-MED-L1-UP- C6.6-DG-230601-L-SS AFRAME-C6E-MED-L2-EXT-0 TO 1-230601-L-WF AFRAME-C6E-MED-L2-INT-0.5 TO 1-230601-L-FB AFRAME-C6E-MED-L2-UP- C6.6-DG-230601-L-LA AFRAME-C6E-MED-L3-DN- C6.2-DG-230601-L-LA AFRAME-C7E-LAT-L1-EXT-0 TO 1-230601-L-WF AFRAME-C7E-LAT-L1- HS-3-230601-L-A AFRAME-C7E-LAT-L1-INT-1 TO 2-230601-L-FB AFRAME-C7E-LAT-L1-UP-C7.7- VS-230601-L-I AFRAME-C7E-LAT-L1-UP-C7E- HS-230601-L-LA AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-DUP-WF AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-WF AFRAME-C7E-LAT-L2-INT-0.5 TO 1-230601-L-FB AFRAME-C7E-LAT-L2-UP-C7.1- VS-230601-L-I AFRAME-C7E-LAT-L3-DN-C7E- DG-230601-L-LA AFRAME-C7E-LAT-L3-UP-C7.6- HS-230601-L-LA AFRAME-C7E-MED-L1-DN- C7E-DG-230601-L-SS AFRAME-C7E-MED-L1-INT-0 TO 1-230601-L-FB AFRAME-C7E-MED-L1-UP- C7.6-DG-230601-L-SS AFRAME-C7E-MED-L2-DN- C7.5-VS-230601-L-LA AFRAME-C7E-MED-L2-EXT-0 TO 1-230601-L-WF AFRAME-C7E-MED-L2- HS-1-230601-L-G AFRAME-C7E-MED-L2-INT-0 TO 0.5-230601-L-FB AFRAME-C7E-MED-L2-UP- C7.2-DG-230601-L-LA AFRAME-C7E-MED-L3-DN- C7.5-DG-230601-L-LA

Field Blank Outlier Report

Lab Reporting Batch ID: 486142

Laboratory: Enthalpy Orange

EDD Filename: Prep486142

Moffett Hangar 1 NTCRA Enthalpy 230403

Method: 6010B
Matrix: WIPE

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
230601-L-MEDBLANK3(RES)	6/1/2023 1:20:00 PM	LEAD	3.2 ug/l12	AFRAME-C6E-LAT-L1-EXT-1 TO 2-230601-L-WF AFRAME-C6E-LAT-L1- HS-3-230601-L-A AFRAME-C6E-LAT-L1- HS-3-230601-L-DUP-A AFRAME-C6E-LAT-L1-UP-C6.1- VS-230601-L-I AFRAME-C6E-LAT-L1-UP-C6.7- HS-230601-L-LA AFRAME-C6E-LAT-L2-DN-C6.1- DG-230601-L-LA AFRAME-C6E-LAT-L2-INT-0 TO 0.5-230601-L-FB AFRAME-C6E-LAT-L3-EXT-0 TO 1-230601-L-WF AFRAME-C6E-MED-L1-DN- C6.7E-DG-230601-L-SS AFRAME-C6E-MED-L1-EXT-0 TO 1-230601-L-WF AFRAME-C6E-MED-L1- HS-3-230601-L-A AFRAME-C6E-MED-L1- HS-3-230601-L-G AFRAME-C6E-MED-L1-INT-1 TO 2-230601-L-FB AFRAME-C6E-MED-L1-UP- C6.1-DG-230601-L-SS AFRAME-C6E-MED-L1-UP- C6.6-DG-230601-L-DUP-SS AFRAME-C6E-MED-L1-UP- C6.6-DG-230601-L-SS AFRAME-C6E-MED-L2-EXT-0 TO 1-230601-L-WF AFRAME-C6E-MED-L2-INT-0.5 TO 1-230601-L-FB AFRAME-C6E-MED-L2-UP- C6.6-DG-230601-L-LA AFRAME-C6E-MED-L3-DN- C6.2-DG-230601-L-LA AFRAME-C7E-LAT-L1-EXT-0 TO 1-230601-L-WF AFRAME-C7E-LAT-L1- HS-3-230601-L-A AFRAME-C7E-LAT-L1-INT-1 TO 2-230601-L-FB AFRAME-C7E-LAT-L1-UP-C7.7- VS-230601-L-I AFRAME-C7E-LAT-L1-UP-C7E- HS-230601-L-LA AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-DUP-WF AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-WF AFRAME-C7E-LAT-L2-INT-0.5 TO 1-230601-L-FB AFRAME-C7E-LAT-L2-UP-C7.1- VS-230601-L-I AFRAME-C7E-LAT-L3-DN-C7E- DG-230601-L-LA AFRAME-C7E-LAT-L3-UP-C7.6- HS-230601-L-LA AFRAME-C7E-MED-L1-DN- C7E-DG-230601-L-SS AFRAME-C7E-MED-L1-INT-0 TO 1-230601-L-FB AFRAME-C7E-MED-L1-UP- C7.6-DG-230601-L-SS AFRAME-C7E-MED-L2-DN- C7.5-VS-230601-L-LA AFRAME-C7E-MED-L2-EXT-0 TO 1-230601-L-WF AFRAME-C7E-MED-L2- HS-1-230601-L-G AFRAME-C7E-MED-L2-INT-0 TO 0.5-230601-L-FB AFRAME-C7E-MED-L2-UP- C7.2-DG-230601-L-LA AFRAME-C7E-MED-L3-DN- C7.5-DG-230601-L-LA

Field Blank Outlier Report

Lab Reporting Batch ID: 486142

Laboratory: Enthalpy Orange

EDD Filename: Prep486142

Moffett Hangar 1 NTCRA Enthalpy 230403

Method: 6010B

Matrix: WIPE

Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
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The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
AFRAME-C7E-LAT-L2-UP-C7.1-VS-230601-L-I (RES)	LEAD	12 ug/ft2	12U ug/ft2
AFRAME-C7E-MED-L1-UP-C7.6-DG-230601-L- SS(RES)	LEAD	10 ug/ft2	10U ug/ft2

Field Duplicate RPD Report

Lab Reporting Batch ID: 486142

Laboratory: Enthalpy Orange

EDD Filename: Prep486142

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C6E-MED-L1-UP-C6.6-	AFRAME-C6E-MED-L1-UP-C6.6-DG-230601-L-			
LEAD	260	190	31	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-	AFRAME-C7E-LAT-L2-EXT-0 TO 1-230601-L-			
LEAD	220	270	20	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C6E-LAT-L1-HS-3-230601-L-A	AFRAME-C6E-LAT-L1-HS-3-230601-L-DUP-A			
LEAD	330	250	28	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

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Page 1 of 1



LABORATORY DATA CONSULTANTS, INC.

2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

November 8, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on July 6, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #57084 RV2:

SDG #

487140
487142

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\57084ST-Wipe.wpd

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

487140

487142

September 14, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the June 2023 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

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

As discussed in the text of this DSS, the samples blank samples in this DVR are actually field blank samples, not media blank samples.

8082

One media blank was collected and analyzed. No contaminants were found.

6010B

One media blank was collected and analyzed. The media blank had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blank were not qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082

Three field duplicate pairs were 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: Blake Newell (8/11/2023)

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: 487140

Method: 6010B

ARCH-C6W-DG-1.5 TO 2-230619-L-FB	487140-006	WIPE	N	3050B	6/19/2023 8:36:00 AM	S3VEM
ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-L-LA	487140-012	WIPE	N	3050B	6/19/2023 9:16:00 AM	S3VEM
ARCH-C6W-DG-3 TO 3.5-230619-L-DUP-FB	487140-022	WIPE	FD	3050B	6/19/2023 10:00:00 AM	S3VEM
ARCH-C6W-DG-3 TO 3.5-230619-L-FB	487140-021	WIPE	N	3050B	6/19/2023 10:00:00 AM	S3VEM
ARCH-C6W-EXT-1 TO 2-230619-L-WF	487140-002	WIPE	N	3050B	6/19/2023 8:15:00 AM	S3VEM
ARCH-C6W-PS-2.5-230619-L-G	487140-017	WIPE	N	3050B	6/19/2023 9:35:00 AM	S3VEM
ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-L-LA	487140-009	WIPE	N	3050B	6/19/2023 8:50:00 AM	S3VEM
ARCH-C7W-DG-2 TO 2.5-230619-L-DUP-FB	487140-015	WIPE	FD	3050B	6/19/2023 9:05:00 AM	S3VEM
ARCH-C7W-DG-2 TO 2.5-230619-L-FB	487140-014	WIPE	N	3050B	6/19/2023 9:05:00 AM	S3VEM
ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-L-LA	487140-024	WIPE	N	3050B	6/19/2023 10:10:00 AM	S3VEM
ARCH-C7W-EXT-1 TO 2-230619-L-WF	487140-004	WIPE	N	3050B	6/19/2023 8:25:00 AM	S3VEM
ARCH-C7W-PS-2.5-230619-L-G	487140-019	WIPE	N	3050B	6/19/2023 9:45:00 AM	S3VEM

Method: 8082

ARCH-C6W-DG-1.5 TO 2-230619-P-FB	487140-005	WIPE	N	3546	6/19/2023 8:36:00 AM	S3VEM
ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-P-DUP-LA	487140-011	WIPE	FD	3546	6/19/2023 9:16:00 AM	S3VEM
ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-P-LA	487140-010	WIPE	N	3546	6/19/2023 9:16:00 AM	S3VEM
ARCH-C6W-DG-3 TO 3.5-230619-P-FB	487140-020	WIPE	N	3546	6/19/2023 10:00:00 AM	S3VEM
ARCH-C6W-EXT-1 TO 2-230619-P-WF	487140-001	WIPE	N	3546	6/19/2023 8:15:00 AM	S3VEM
ARCH-C6W-PS-2.5-230619-P-G	487140-016	WIPE	N	3546	6/19/2023 9:35:00 AM	S3VEM
ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-P-DUP-LA	487140-008	WIPE	FD	3546	6/19/2023 8:50:00 AM	S3VEM

8/11/2023 9:42:54 AM

ADR version 1.9.0.325

Page 1 of 3

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/11/2023)

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-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-P-LA	487140-007	WIPE	N	3546	6/19/2023 8:50:00 AM	S3VEM
ARCH-C7W-DG-2 TO 2.5-230619-P-FB	487140-013	WIPE	N	3546	6/19/2023 9:05:00 AM	S3VEM
ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-P-LA	487140-023	WIPE	N	3546	6/19/2023 10:10:00 AM	S3VEM
ARCH-C7W-EXT-1 TO 2-230619-P-WF	487140-003	WIPE	N	3546	6/19/2023 8:25:00 AM	S3VEM
ARCH-C7W-PS-2.5-230619-P-G	487140-018	WIPE	N	3546	6/19/2023 9:45:00 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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Lab Reporting Batch: 487142

Method: 6010B

230619-L-MEDBLANK1	487142-030	WIPE	FB	3050B	6/19/2023 11:10:00 AM	S2AVE
ARCH-C6W-DG-4 TO 4.5-230619-L-FB	487142-006	WIPE	N	3050B	6/19/2023 8:25:00 AM	S2AVE
ARCH-C6W-DG-4 TO 4.5-UP- C6.3-DG-230619-L-LA	487142-008	WIPE	N	3050B	6/19/2023 8:40:00 AM	S2AVE
ARCH-C6W-DG-5 TO 5.5-UP- C6.1-VS-230619-L-LA	487142-026	WIPE	N	3050B	6/19/2023 10:55:00 AM	S2AVE
ARCH-C6W-DG-5 TO 5.5-UP- C6.6-DG-230619-L-LA	487142-018	WIPE	N	3050B	6/19/2023 9:55:00 AM	S2AVE
ARCH-C6W-INT-4.5 TO 5.5-230619-L-DUP-WF	487142-023	WIPE	FD	3050B	6/19/2023 10:40:00 AM	S2AVE
ARCH-C6W-INT-4.5 TO 5.5-230619-L-WF	487142-022	WIPE	N	3050B	6/19/2023 10:40:00 AM	S2AVE
ARCH-C6W-PS-3.5-230619-L- G	487142-004	WIPE	N	3050B	6/19/2023 10:25:00 AM	S2AVE
ARCH-C6W-PS-4.5-230619-L- G	487142-012	WIPE	N	3050B	6/19/2023 9:05:00 AM	S2AVE
ARCH-C7W-DG-4 TO 4.5-230619-L-FB	487142-010	WIPE	N	3050B	6/19/2023 8:50:00 AM	S2AVE
ARCH-C7W-DG-4.5 TO 5-UP- C7.5-VS-230619-L-LA	487142-016	WIPE	N	3050B	6/19/2023 9:35:00 AM	S2AVE
ARCH-C7W-DG-5 TO 5.5-UP- C7.1-HS-230619-L-LA	487142-028	WIPE	N	3050B	6/19/2023 10:25:00 AM	S2AVE
ARCH-C7W-INT-4.5 TO 5.5-230619-L-WF	487142-020	WIPE	N	3050B	6/19/2023 10:10:00 AM	S2AVE
ARCH-C7W-PS-3.5-230619-L- G	487142-002	WIPE	N	3050B	6/19/2023 10:40:00 AM	S2AVE
ARCH-C7W-PS-4.5-230619-L- G	487142-014	WIPE	N	3050B	6/19/2023 9:20:00 AM	S2AVE

Method: 8082

230619-P-MEDBLANK1	487142-029	WIPE	FB	3546	6/19/2023 11:10:00 AM	S2AVE
ARCH-C6W-DG-4 TO 4.5-230619-P-FB	487142-005	WIPE	N	3546	6/19/2023 8:25:00 AM	S2AVE
ARCH-C6W-DG-4 TO 4.5-UP- C6.3-DG-230619-P-LA	487142-007	WIPE	N	3546	6/19/2023 8:40:00 AM	S2AVE
ARCH-C6W-DG-5 TO 5.5-UP- C6.1-VS-230619-P-DUP-LA	487142-025	WIPE	FD	3546	6/19/2023 10:55:00 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>
Method: 8082						
ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-P-LA	487142-024	WIPE	N	3546	6/19/2023 10:55:00 AM	S2AVE
ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-P-LA	487142-017	WIPE	N	3546	6/19/2023 9:55:00 AM	S2AVE
ARCH-C6W-INT-4.5 TO 5.5-230619-P-WF	487142-021	WIPE	N	3546	6/19/2023 10:40:00 AM	S2AVE
ARCH-C6W-PS-3.5-230619-P-G	487142-003	WIPE	N	3546	6/19/2023 10:25:00 AM	S2AVE
ARCH-C6W-PS-4.5-230619-P-G	487142-011	WIPE	N	3546	6/19/2023 9:05:00 AM	S2AVE
ARCH-C7W-DG-4 TO 4.5-230619-P-FB	487142-009	WIPE	N	3546	6/19/2023 8:50:00 AM	S2AVE
ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-P-LA	487142-015	WIPE	N	3546	6/19/2023 9:35:00 AM	S2AVE
ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-P-LA	487142-027	WIPE	N	3546	6/19/2023 10:25:00 AM	S2AVE
ARCH-C7W-INT-4.5 TO 5.5-230619-P-WF	487142-019	WIPE	N	3546	6/19/2023 10:10:00 AM	S2AVE
ARCH-C7W-PS-3.5-230619-P-G	487142-001	WIPE	N	3546	6/19/2023 10:40:00 AM	S2AVE
ARCH-C7W-PS-4.5-230619-P-G	487142-013	WIPE	N	3546	6/19/2023 9:20:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (8/11/2023)

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: 487140

EDD Filename: Prep487140

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 487142

EDD Filename: Prep487142

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

487140

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57084A3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 487140

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/1/23

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/A	
II.	Initial calibration/ICV	A/A	$\% RSD = 20\%$ $\% RSD / ICV = 20\%$
III.	Continuing calibration	A	$CCV = 20\%$ 15%
IV.	Laboratory Blanks	A	
V.	Field blanks	N/A	FD = 8, 11 <i>Reviewed 8/1/2023</i>
VI.	Surrogate spikes 1/5	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	ICS ID
IX.	Field duplicates	N/A	$D = 4, 5$ 6, 7
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-C6W-EXT-1 TO 2-230619-P-WF	487140-001	Wipe	06/19/23
2	ARCH-C7W-EXT-1 TO 2-230619-P-WF	487140-003	Wipe	06/19/23
3	ARCH-C6W-DG-1.5 TO 2-230619-P-FB	487140-005	Wipe	06/19/23
4	ARCH-C7W-DG-1.5 TO 2-C7.7-VS-230619-P-LA	487140-007	Wipe	06/19/23
5	ARCH-C7W-DG-1.5 TO 2-C7.7-VS-230619-P-DUP-LA	487140-008	Wipe	06/19/23
6	ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-P-LA	487140-010	Wipe	06/19/23
7	ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-P-DUP-LA	487140-011	Wipe	06/19/23
8	ARCH-C7W-DG-2 TO 2.5-230619-P-FB	487140-013	Wipe	06/19/23
9	ARCH-C6W-PS-2.5-230619-P-G	487140-016	Wipe	06/19/23
10	ARCH-C7W-PS-2.5-230619-P-G	487140-018	Wipe	06/19/23
11	ARCH-C6W-DG-3 TO 3.5-230619-P-FB	487140-020	Wipe	06/19/23
12	ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-P-LA	487140-023	Wipe	06/19/23
13				

Notes:

316643				

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57084 A3b

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) $\leq 20\%$? <u>15% / 0</u>	☒	☐	☐	
III. Continuing calibration				
Was a continuing calibration analyzed daily? <u>15%</u>	☒	☐	☐	
Were all percent differences (%D) $\leq 20\%$? <u>15% / 0</u>	☒	☐	☐	
Were all the retention times within the acceptance windows?	☒	☐	☐	
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	☒	☐	☐	
Was a laboratory blank analyzed for each matrix and concentration?	☒	☐	☐	
Was there contamination in the laboratory blanks?	☐	☒	☐	
V. Field Blanks				
Were field blanks identified in this SDG?	☒	☐	☐	
Were target compounds detected in the field blanks?	☐	☒	☐	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	☒	☐	☐	
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?	☐	☐	☒	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?	☐	☐	☒	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	☐	☐	☒	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	☐	☐	☒	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	☒	☐	☐	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	☒	☐	☐	
IX. Field duplicates				

LDC #: 57084 A3b

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: FT

Were field duplicate pairs identified in this SDG?	/			
Were target compounds detected in the field duplicates?		/		
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	/			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

LDC #: 57084 A36

VALIDATION FINDINGS WORKSHEET **Initial Calibration Calculation Verification**

Page: 1 of 1
Reviewer: FTMETHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
 Average CF = sum of the CF/number of standards
 %RSD = 100 * (S/X)

Where: A = Area of compound
 C = Concentration of compound
 S = Standard deviation of calibration factors
 X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				CF (250 std)	CF (250 std)	CF (initial)	CF (initial)	%RSD	%RSD
1	ICAL GC06	5/22/23	Arac/or DL0-1 chA	0.0709	0.0709	0.0661	0.0661	14	14
			chB	0.0579	0.0579	0.0564	0.0564	17	17
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 57084A3b

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 compounds 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 compound

C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	ccv	6/22/23 1249	Aroclor 1260 chA	500.0	514.2	514.2	3	3
			chB	↓	548.2	548.2	10	10
2	ccv	6/22/23 2245	↓	300.0	524.3	524.3	5	5
				↓	551.0	551.0	10	10
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 #: 57084A36

VALIDATION FINDINGS WORKSHEET **Surrogate Results Verification**

Page: 1 of 1
Reviewer: FTMETHOD: 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 SpikedSample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50.0	38.0890	76	76	0
DCB	↓	↓	46.5784	93	93	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 #: 57084A3h

VALIDATION FINDINGS WORKSHEET

Page: 1 of 1Laboratory Control Sample/Laboratory Control Sample Duplicates Results VerificationReviewer: FTMETHOD: GC HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

$$\% \text{Recovery} = 100 * (\text{SSC}/\text{SA})$$

$$\text{RPD} = (((\text{SSCLCS} - \text{SSCLCSD}) * 2) / (\text{SSCLCS} + \text{SSCLCSD})) * 100$$

Where SSC = Spiked sample concentration

LCS = Laboratory Control Sample

SA = Spike added

LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 316643 LCS 17

Compound	Spike Added (<u>1 ug</u> / <u>100 cm²</u>)		Spike Sample Concentration (<u>1 ug</u> / <u>100 cm²</u>)		LCS		LCSD		LCS/LCSD	
					Percent Recovery		Percent Recovery		RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Amoclof 126 D	5.0	5.0	4.996	5.168	100	100	103	103	3	3

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 57684 A36VALIDATION FINDINGS WORKSHEET
Sample Calculation VerificationPage: 1 of 1
Reviewer: FTMETHOD: ☒ GC ☐ HPLCY N N/A
Y N N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

Example:

Sample ID. 316643 LC> Compound Name Aroclor 1260

A= Area or height of the compound to be measured

Fv= Final Volume of extract

Df= Dilution Factor

RF= Average response factor of the compound
in the initial calibration

Vs= Initial volume of the sample

Ws= Initial weight of the sample

%S= Percent Solid

$$\text{Concentration} = \frac{499.6 (10)}{(1) (1000)} = 4.996 \text{ ug/100 cm}^2$$

#	Sample ID	Compound	Reported Concentrations (ug/100 cm ²)	Recalculated Results Concentrations (ug/100 cm ²)	Qualifications
	LC>	Aroclor 1260	4.996	4.996	
	PCP 1260-1 =	13719677.6 (20.0)		1260-1 = 499.829	
		9733593.55 (0.0661)		2 = 548.0	
		0.0564		3 = 450.7	
		= 499.829		4 = 490.9	
				5 = 508.4	
				Ave = 499.6	

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 #: 57084A4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 487140

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 08/10/2023

Page: 1 of 1

Reviewer: SC

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LC5/LC5D
X.	Field Duplicates	SW	(6,7) , (10,11)
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C6W-EXT-1 TO M2-230619-L-WF	487140-002	Wipe	06/19/23
2	ARCH-C7W-EXT-1 TO M2-230619-L-WF	487140-004	Wipe	06/19/23
3	ARCH-C6W-DG-1.5 TO 2-230619-L-FB	487140-006	Wipe	06/19/23
4	ARCH-C7W-DG-1.5 TO 2-DN-C7.7-VS-230619-L-LA	487140-009	Wipe	06/19/23
5	ARCH-C6W-DG-2 TO 2.5-UP-C6.6-HS-230619-L-LA	487140-012	Wipe	06/19/23
6	ARCH-C7W-DG-2 TO 2.5-230619-L-FB	487140-014	Wipe	06/19/23
7	ARCH-C7W-DG-2 TO 2.5-230619-L-DUP-FB	487140-015	Wipe	06/19/23
8	ARCH-C6W-PS-2.5-230619-L-G	487140-017	Wipe	06/19/23
9	ARCH-C7W-PS-2.5-230619-L-G	487140-019	Wipe	06/19/23
10	ARCH-C6W-DG-3 TO 3.5-230619-L-FB	487140-021	Wipe	06/19/23
11	ARCH-C6W-DG-3 TO 3.5-230619-L-DUP-FB	487140-022	Wipe	06/19/23
12	ARCH-C7W-DG-3 TO 3.5-UP-C7.2-HS-230619-L-LA	487140-024	Wipe	06/19/23
13				
14				
15				

Notes: _____

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	X			
Were all water samples preserved to a pH of <2.	X			
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			X	
Were %RSDs of isotopes in the tuning solution ≤5%?			X	
III. Calibration				
Were all instruments calibrated daily?	X			
Were the proper standards used?	X			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	X			
Were the low level standard checks within 70-130%?			X	CRI raw data not provided
Were all initial calibration correlation coefficients within limits as specified by the method?	X			
IV. Interference Check Sample				
Were the interference check samples performed daily?	X			
Were the AB solution recoveries within 80-120%?	X			
V. Blanks				
Was a method blank associated with every sample in this SDG?	X			
Was there contamination in the method blanks?		X		
Was there contamination in the initial and continuing calibration blanks?		X		
VI. Field Blanks				
Were field blanks identified in this SDG?			X	
Were target analytes detected in the field blanks?			X	

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.)			X	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			X	
IX. Serial Dilution				
Were all percent differences <10%?			X	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			X	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	X			
Were the LCS recoveries and RPDs (if applicable)	X			
XI. Field Duplicates				
Were field duplicates identified in this SDG?	X			
Were target analytes detected in the field duplicates?	X			<i>Brumwell 11/8/2023</i>
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			X	
If the recoveries were outside the limits, was a reanalysis performed?			X	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	X			
Were all soil samples dry weight corrected?			X	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	X			

Field Duplicate RPD Report

Lab Reporting Batch ID: 487140

Laboratory: Enthalpy Orange

EDD Filename: Prep487140

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C7W-DG-2 TO 2.5-230619-L-FB (TOT)	ARCH-C7W-DG-2 TO 2.5-230619-L-DUP-FB			
LEAD	15	10	40	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C6W-DG-3 TO 3.5-230619-L-FB (TOT)	ARCH-C6W-DG-3 TO 3.5-230619-L-DUP-FB			
LEAD	29	18	47	100.00	No Qualifiers Applied

Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	6	7		
Lead	15	10	40	

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	10	11		
Lead	29	18	47	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An initial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = (\text{Found}/\text{True}) \times 100$$

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (mg/L)	True (mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.072	1	107	107	Y
CCV	ICP	↓	1.087	1	109	109	Y
LLCC	ICP						
ICSAB	ICP		1.022	1	102	102	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)
QC1074452	LCS	Pb	106.6	100	107	107	Y
	MS						
QC1074452/53	Duplicate	Pb	106.6	106.3	0	0	Y
	PDS						
	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:

$$\text{Concentration} = (\text{Result from raw data} \times \text{Final volume} \times \text{Dilution factor}) / (\text{Initial volume})$$

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	0.2889	1	1	100	29	29	Y
2	↓	0.2575	1	1	100	26	26	Y
3		0.1726	1	1	100	17	17	Y
4		0.2498	1	1.01	100	25	25	Y
5		0.2304	1	1	100	23	23	Y
6		0.1468	1	1	100	15	15	Y
7		0.1012	1	1	100	10	10	Y
8		0.461	1	1.0828	100	43	43	Y
9		0.2344	1	1.0828	100	22	22	Y
10		0.2924	1	1	100	29	29	Y
11		0.1848	1	1	100	18	18	Y
12		0.562	1	1.01	100	56	56	Y

Quality Control Outlier Reports

487142

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57084B4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 487142

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 3/1/2023

Page: of

Reviewer: BN

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB = 15
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD = 12/11
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 = Rinstate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB = Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C7W-PS-3.5-230619-L-G	487142-002	Wipe	06/19/23
2	ARCH-C6W-PS-3.5-230619-L-G	487142-004	Wipe	06/19/23
3	ARCH-C6W-DG-4 TO 4.5-230619-L-FB	487142-006	Wipe	06/19/23
4	ARCH-C6W-DG-4 TO 4.5-UP-C6.3-DG-230619-L-LA	487142-008	Wipe	06/19/23
5	ARCH-C7W-DG4 TO 4.5-230619-L-FB	487142-010	Wipe	06/19/23
6	ARCH-C6W-PS-4.5-230619-L-G	487142-012	Wipe	06/19/23
7	ARCH-C7W-PS-4.5-230619-L-G	487142-014	Wipe	06/19/23
8	ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-L-LA	487142-016	Wipe	06/19/23
9	ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-L-LA	487142-018	Wipe	06/19/23
10	ARCH-C7W-INT-4.5 TO 5.5-230619-L-WF	487142-020	Wipe	06/19/23
11	ARCH-C6W-INT-4.5 TO 5.5-230619-L-WF	487142-022	Wipe	06/19/23
12	ARCH-C6W-INT-4.5 TO 5.5-230619-L-DUP-WF	487142-023	Wipe	06/19/23
13	ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-L-LA	487142-026	Wipe	06/19/23
14	ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-L-LA	487142-028	Wipe	06/19/23
15	230619-L-MEDBLANK1	487142-030	Wipe	06/19/23
16				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 487142

Laboratory: Enthalpy Orange

EDD Filename: Prep487142

Moffett_Hangar_1_NTCRA_Enthalpy_230403

Method: 6010B

Matrix: WIPE

<i>Analyte</i>	<i>Sample</i>	<i>Concentration (ug/ft2)</i>	<i>Flag</i>
LEAD	230619-L-MEDBLANK2	1.0	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 487142

Laboratory: Enthalpy Orange

EDD Filename: Prep487142

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C6W-INT-4.5 TO 5.5-230619-L-WF (TOT)	ARCH-C6W-INT-4.5 TO 5.5-230619-L-DUP-WF			
LEAD	51	57	11	100.00	No Qualifiers Applied

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57084B3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 487142

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 8/11/2023

Page: of

Reviewer: Bn

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=15
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD=13/12
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C7W-PS-3.5-230619-P-G	487142-001	Wipe	06/19/23
2	ARCH-C6W-PS-3.5-230619-P-G	487142-003	Wipe	06/19/23
3	ARCH-C6W-DG-4 TO 4.5-230619-P-FB	487142-005	Wipe	06/19/23
4	ARCH-C6W-DG-4 TO 4.5-UP-C6.3-DG-230619-P-LA	487142-007	Wipe	06/19/23
5	ARCH-C7W-DG4 TO 4.5-230619-P-FB	487142-009	Wipe	06/19/23
6	ARCH-C6W-PS-4.5-230619-P-G	487142-011	Wipe	06/19/23
7	ARCH-C7W-PS-4.5-230619-P-G	487142-013	Wipe	06/19/23
8	ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230619-P-LA	487142-015	Wipe	06/19/23
9	ARCH-C6W-DG-5 TO 5.5-UP-C6.6-DG-230619-P-LA	487142-017	Wipe	06/19/23
10	ARCH-C7W-INT-4.5 TO 5.5-230619-P-WF	487142-019	Wipe	06/19/23
11	ARCH-C6W-INT-4.5 TO 5.5-230619-P-WF	487142-021	Wipe	06/19/23
12	ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-P-LA	487142-024	Wipe	06/19/23
13	ARCH-C6W-DG-5 TO 5.5-UP-C6.1-VS-230619-P-DUP-LA	487142-025	Wipe	06/19/23
14	ARCH-C7W-DG-5 TO 5.5-UP-C7.1-HS-230619-P-LA	487142-027	Wipe	06/19/23
15	230619-P-MEDBLANK1	487142-029	Wipe	06/19/23
16				
17				



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

October 9, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on August 23, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #57398:

SDG #

489010, 489058, 489059, 489066, 489153,
489258

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\57398ST-Wipe.wpd

Automated Data Review Data Validation Report Hangar 1 NTCRA

Sample Delivery Groups

489010

489058

489059

489066

489153

489258

Only the highlighted SDGs contain
samples that were collected within the
Low Occupancy Area of Zone 4.

October 6, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the July 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

- U Indicates the compound or analyte was analyzed for but not detected.
- J Indicates an estimated value.
- R Quality control indicates the data is not usable.
- NJ Presumptive evidence of presence of the compound at an estimated quantity.
- UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082

The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 15.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B

An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 15.0% for all analytes with the following exceptions:

SDG	Date	Analyte	%D	Associated Samples	Affected Analyte	Flag	A or P
489010	07/25/23	Aroclor-1260	21	All samples in SDG 489010	Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262 Aroclor-1268	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B

Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B

The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

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

Five field blanks were collected and analyzed. No contaminants were found.

6010B

Five field blanks and five media blanks were collected and analyzed. Four field blanks and one media blank had detections for lead. The associated sample results were qualified as non-detected (U) due to field blank contamination as applicable. The sample results that were not detected or were significantly greater than the concentrations found in the field blank and media blanks were not qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082

All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B

Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082

Seven field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B

Seven field duplicate pairs were collected and analyzed. Seven field duplicate pairs had detections for lead. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

8082

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements.

6010B

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP for one sample, the achieved reporting limits are acceptable with respect to the Cleanup Goals.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Due to continuing calibration %D, data were qualified as estimated in twelve samples.

Due to field blank contamination, data were qualified as not detected in one sample.

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: 489010

Method: 6010B

AFRAME-C6W-LAT-L3-UP-C6.4-DG-230724-L-LA	489010-018	WIPE	N	3050B	7/24/2023 9:35:00 AM	S3VEM
AFRAME-C6W-LAT-L3-UP-C6.7-DG-230724-L-LA	489010-006	WIPE	N	3050B	7/24/2023 8:40:00 AM	S3VEM
AFRAME-C6W-MED-L3-EXT-1 TO 2-230724-L-DUP-WF	489010-003	WIPE	FD	3050B	7/24/2023 8:15:00 AM	S3VEM
AFRAME-C6W-MED-L3-EXT-1 TO 2-230724-L-WF	489010-002	WIPE	N	3050B	7/24/2023 8:15:00 AM	S3VEM
AFRAME-C6W-MED-L3-UP-C6.5-HM-230724-L-CB	489010-008	WIPE	N	3050B	7/24/2023 8:25:00 AM	S3VEM
AFRAME-C6W-MED-L3-UP-C6W-DG-230724-L-LA	489010-020	WIPE	N	3050B	7/24/2023 9:30:00 AM	S3VEM
AFRAME-C7W-LAT-L3-EXT-1 TO 2-230724-L-DUP-WF	489010-011	WIPE	FD	3050B	7/24/2023 8:50:00 AM	S3VEM
AFRAME-C7W-LAT-L3-EXT-1 TO 2-230724-L-WF	489010-010	WIPE	N	3050B	7/24/2023 8:50:00 AM	S3VEM
AFRAME-C7W-LAT-L3-UP-C7.1-DG-230724-L-LA	489010-014	WIPE	N	3050B	7/24/2023 9:05:00 AM	S3VEM
AFRAME-C7W-LAT-L3-UP-C7.3-DG-230724-L-LA	489010-024	WIPE	N	3050B	7/24/2023 9:55:00 AM	S3VEM
AFRAME-C7W-MED-L3-UP-C7.6-HM-230724-L-CB	489010-016	WIPE	N	3050B	7/24/2023 9:15:00 AM	S3VEM
AFRAME-C7W-MED-L3-UP-C7W-DG-230724-L-LA	489010-022	WIPE	N	3050B	7/24/2023 9:45:00 AM	S3VEM

Method: 8082

AFRAME-C6W-LAT-L3-UP-C6.4-DG-230724-P-LA	489010-017	WIPE	N	3546	7/24/2023 9:35:00 AM	S3VEM
AFRAME-C6W-LAT-L3-UP-C6.7-DG-230724-P-DUP-LA	489010-005	WIPE	FD	3546	7/24/2023 8:40:00 AM	S3VEM
AFRAME-C6W-LAT-L3-UP-C6.7-DG-230724-P-LA	489010-004	WIPE	N	3546	7/24/2023 8:40:00 AM	S3VEM
AFRAME-C6W-MED-L3-EXT-1 TO 2-230724-P-WF	489010-001	WIPE	N	3546	7/24/2023 8:15:00 AM	S3VEM
AFRAME-C6W-MED-L3-UP-C6.5-HM-230724-P-CB	489010-007	WIPE	N	3546	7/24/2023 8:25:00 AM	S3VEM
AFRAME-C6W-MED-L3-UP-C6W-DG-230724-P-LA	489010-019	WIPE	N	3546	7/24/2023 9:30:00 AM	S3VEM
AFRAME-C7W-LAT-L3-EXT-1 TO 2-230724-P-WF	489010-009	WIPE	N	3546	7/24/2023 8:50:00 AM	S3VEM

10/5/2023 9:50:52 AM

ADR version 1.9.0.325

Page 1 of 3

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

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-C7W-LAT-L3-UP-C7.1-DG-230724-P-DUP-LA	489010-013	WIPE	FD	3546	7/24/2023 9:05:00 AM	S3VEM
AFRAME-C7W-LAT-L3-UP-C7.1-DG-230724-P-LA	489010-012	WIPE	N	3546	7/24/2023 9:05:00 AM	S3VEM
AFRAME-C7W-LAT-L3-UP-C7.3-DG-230724-P-LA	489010-023	WIPE	N	3546	7/24/2023 9:55:00 AM	S3VEM
AFRAME-C7W-MED-L3-UP-C7.6-HM-230724-P-CB	489010-015	WIPE	N	3546	7/24/2023 9:15:00 AM	S3VEM
AFRAME-C7W-MED-L3-UP-C7W-DG-230724-P-LA	489010-021	WIPE	N	3546	7/24/2023 9:45:00 AM	S3VEM

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

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>
Lab Reporting Batch: 489058						
Method: 6010B						
230724-L-FB2	489058-043	WIPE	FB	3050B	7/24/2023 7:20:00 AM	S2AVE
230724-L-FB3	489058-046	WIPE	FB	3050B	7/24/2023 7:32:00 AM	S2AVE
230724-L-MEDBLANK1	489058-044	WIPE	FB	3050B	7/24/2023 12:48:00 PM	S2AVE
230724-L-MEDBLANK2	489058-047	WIPE	FB	3050B	7/24/2023 12:53:00 PM	S2AVE
ARCH-C6W-DG-5.5 TO 6-UP-C6.4-HS-230724-L-LA	489058-008	WIPE	N	3050B	7/24/2023 8:15:00 AM	S2AVE
ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-L-LA	489058-020	WIPE	N	3050B	7/24/2023 9:25:00 AM	S2AVE
ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-L-LA	489058-012	WIPE	N	3050B	7/24/2023 8:55:00 AM	S2AVE
ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-L-LA	489058-037	WIPE	N	3050B	7/24/2023 7:35:00 AM	S2AVE
ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-L-LA	489058-035	WIPE	N	3050B	7/24/2023 11:00:00 AM	S2AVE
ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-L-LA	489058-031	WIPE	N	3050B	7/24/2023 10:30:00 AM	S2AVE
ARCH-C6W-PS-5.5-230724-L-G	489058-002	WIPE	N	3050B	7/24/2023 7:35:00 AM	S2AVE
ARCH-C6W-PS-6.5-230724-L-G	489058-024	WIPE	N	3050B	7/24/2023 9:45:00 AM	S2AVE
ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230724-L-LA	489058-006	WIPE	N	3050B	7/24/2023 8:00:00 AM	S2AVE
ARCH-C7W-DG-5.5 TO 6-DN-C7.1-VS-230724-L-LA	489058-010	WIPE	N	3050B	7/24/2023 8:30:00 AM	S2AVE
ARCH-C7W-DG-6 TO 6.5-230724-L-DUP-FB	489058-015	WIPE	FD	3050B	7/24/2023 8:45:00 AM	S2AVE
ARCH-C7W-DG-6 TO 6.5-230724-L-FB	489058-014	WIPE	N	3050B	7/24/2023 8:45:00 AM	S2AVE
ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-L-LA	489058-022	WIPE	N	3050B	7/24/2023 9:30:00 AM	S2AVE
ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-L-LA	489058-018	WIPE	N	3050B	7/24/2023 9:05:00 AM	S2AVE
ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-L-LA	489058-028	WIPE	N	3050B	7/24/2023 10:10:00 AM	S2AVE
ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-L-LA	489058-039	WIPE	N	3050B	7/24/2023 7:45:00 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
Method: 6010B						
ARCH-C7W-EXT-8 TO 9-230724-L-WF	489058-041	WIPE	N	3050B	7/24/2023 8:00:00 AM	S2AVE
ARCH-C7W-INT-7.5 TO 9-230724-L-WF	489058-033	WIPE	N	3050B	7/24/2023 10:45:00 AM	S2AVE
ARCH-C7W-PS-5.5-230724-L-G	489058-004	WIPE	N	3050B	7/24/2023 7:50:00 AM	S2AVE
ARCH-C7W-PS-6.5-230724-L-G	489058-026	WIPE	N	3050B	7/24/2023 9:55:00 AM	S2AVE
Method: 8082						
230724-P-FB2	489058-042	WIPE	FB	3546	7/24/2023 7:20:00 AM	S2AVE
230724-P-FB3	489058-045	WIPE	FB	3546	7/24/2023 7:32:00 AM	S2AVE
ARCH-C6W-DG-5.5 TO 6-UP-C6.4-HS-230724-P-LA	489058-007	WIPE	N	3546	7/24/2023 8:15:00 AM	S2AVE
ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-P-LA	489058-019	WIPE	N	3546	7/24/2023 9:25:00 AM	S2AVE
ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-P-LA	489058-011	WIPE	N	3546	7/24/2023 8:55:00 AM	S2AVE
ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-P-LA	489058-036	WIPE	N	3546	7/24/2023 7:35:00 AM	S2AVE
ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-P-LA	489058-034	WIPE	N	3546	7/24/2023 11:00:00 AM	S2AVE
ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-P-DUP-LA	489058-030	WIPE	FD	3546	7/24/2023 10:30:00 AM	S2AVE
ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-P-LA	489058-029	WIPE	N	3546	7/24/2023 10:30:00 AM	S2AVE
ARCH-C6W-PS-5.5-230724-P-G	489058-001	WIPE	N	3546	7/24/2023 7:35:00 AM	S2AVE
ARCH-C6W-PS-6.5-230724-P-G	489058-023	WIPE	N	3546	7/24/2023 9:45:00 AM	S2AVE
ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230724-P-LA	489058-005	WIPE	N	3546	7/24/2023 8:00:00 AM	S2AVE
ARCH-C7W-DG-5.5 TO 6-DN-C7.1-VS-230724-P-LA	489058-009	WIPE	N	3546	7/24/2023 8:30:00 AM	S2AVE
ARCH-C7W-DG-6 TO 6.5-230724-P-FB	489058-013	WIPE	N	3546	7/24/2023 8:45:00 AM	S2AVE
ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-P-LA	489058-021	WIPE	N	3546	7/24/2023 9:30:00 AM	S2AVE
ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-P-DUP-LA	489058-017	WIPE	FD	3546	7/24/2023 9:05:00 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>
Method: 8082						
ARCH-C7W-DG-6 TO 6.5-UP- C7.5-VS-230724-P-LA	489058-016	WIPE	N	3546	7/24/2023 9:05:00 AM	S2AVE
ARCH-C7W-DG-7 TO 7.5-UP- C7.1-VS-230724-P-LA	489058-027	WIPE	N	3546	7/24/2023 10:10:00 AM	S2AVE
ARCH-C7W-DG-7.5 TO 8-DN- C7.5-VS-230724-P-LA	489058-038	WIPE	N	3546	7/24/2023 7:45:00 AM	S2AVE
ARCH-C7W-EXT-8 TO 9-230724-P-WF	489058-040	WIPE	N	3546	7/24/2023 8:00:00 AM	S2AVE
ARCH-C7W-INT-7.5 TO 9-230724-P-WF	489058-032	WIPE	N	3546	7/24/2023 10:45:00 AM	S2AVE
ARCH-C7W-PS-5.5-230724-P- G	489058-003	WIPE	N	3546	7/24/2023 7:50:00 AM	S2AVE
ARCH-C7W-PS-6.5-230724-P- G	489058-025	WIPE	N	3546	7/24/2023 9:55:00 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: 489059

Method: 6010B

230724-L-FB1	489059-043	WIPE	FB	3050B	7/24/2023 8:11:00 AM	S2AVE
230724-L-FB2	489059-046	WIPE	FB	3050B	7/24/2023 1:30:00 PM	S2AVE
230724-L-MEDBLANK1	489059-044	WIPE	FB	3050B	7/24/2023 12:58:00 PM	S2AVE
230724-L-MEDBLANK2	489059-047	WIPE	FB	3050B	7/24/2023 1:00:00 PM	S2AVE
AFRAME-C6W-LAT-L1-HS-3-230724-L-A	489059-027	WIPE	N	3050B	7/24/2023 1:40:00 PM	S2AVE
AFRAME-C6W-LAT-L1-HS-3-230724-L-DUP-A	489059-028	WIPE	FD	3050B	7/24/2023 1:40:00 PM	S2AVE
AFRAME-C6W-LAT-L1-UP-C6.1-VS-230724-L-I	489059-030	WIPE	N	3050B	7/24/2023 1:50:00 PM	S2AVE
AFRAME-C6W-LAT-L3-INT-0 TO1-230724-L-WF	489059-004	WIPE	N	3050B	7/24/2023 10:20:00 AM	S2AVE
AFRAME-C6W-MED-L1-UP-C6.1-DG-230724-L-SS	489059-032	WIPE	N	3050B	7/24/2023 2:00:00 PM	S2AVE
AFRAME-C6W-MED-L1-UP-C6.6-DG-230724-L-DUP-SS	489059-035	WIPE	FD	3050B	7/24/2023 2:15:00 PM	S2AVE
AFRAME-C6W-MED-L1-UP-C6.6-DG-230724-L-SS	489059-034	WIPE	N	3050B	7/24/2023 2:15:00 PM	S2AVE
AFRAME-C6W-MED-L2-EXT-0 TO 1-230724-L-WF	489059-015	WIPE	N	3050B	7/24/2023 2:00:00 PM	S2AVE
AFRAME-C6W-MED-L2-INT-0.5 TO 1-230724-L-FB	489059-017	WIPE	N	3050B	7/24/2023 2:10:00 PM	S2AVE
AFRAME-C6W-MED-L2-UP-C6.6-DG-230724-L-LA	489059-020	WIPE	N	3050B	7/24/2023 2:20:00 PM	S2AVE
AFRAME-C6W-MED-L3-DN-C6.2-DG-230724-L-LA	489059-006	WIPE	N	3050B	7/24/2023 10:30:00 AM	S2AVE
AFRAME-C7W-LAT-L1-HS-3-230724-L-A	489059-037	WIPE	N	3050B	7/24/2023 2:30:00 PM	S2AVE
AFRAME-C7W-LAT-L1-UP-C7.7-VS-230724-L-I	489059-039	WIPE	N	3050B	7/24/2023 2:45:00 PM	S2AVE
AFRAME-C7W-LAT-L2-EXT-0 TO 1-230724-L-DUP-WF	489059-025	WIPE	FD	3050B	7/24/2023 2:45:00 PM	S2AVE
AFRAME-C7W-LAT-L2-EXT-0 TO 1-230724-L-WF	489059-024	WIPE	N	3050B	7/24/2023 2:45:00 PM	S2AVE
AFRAME-C7W-LAT-L2-INT-0.5 TO 1-230724-L-FB	489059-022	WIPE	N	3050B	7/24/2023 2:35:00 PM	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

AFRAME-C7W-LAT-L3-DN-C7W-DG-230724-L-LA	489059-010	WIPE	N	3050B	7/24/2023 1:40:00 PM	S2AVE
AFRAME-C7W-LAT-L3-UP-C7.6-HS-230724-L-LA	489059-002	WIPE	N	3050B	7/24/2023 10:05:00 AM	S2AVE
AFRAME-C7W-MED-L1-UP-C7.6-DG-230724-L-SS	489059-041	WIPE	N	3050B	7/24/2023 3:00:00 PM	S2AVE
AFRAME-C7W-MED-L3-DN-C7.5-DG-230724-L-LA	489059-013	WIPE	N	3050B	7/24/2023 1:25:00 PM	S2AVE
AFRAME-C7W-MED-L3-INT-0 TO 1-230724-L-WF	489059-008	WIPE	N	3050B	7/24/2023 10:45:00 AM	S2AVE

Method: 8082

230724-P-FB1	489059-042	WIPE	FB	3546	7/24/2023 8:11:00 AM	S2AVE
230724-P-FB2	489059-045	WIPE	FB	3546	7/24/2023 1:30:00 PM	S2AVE
AFRAME-C6W-LAT-L1-HS-3-230724-P-A	489059-026	WIPE	N	3546	7/24/2023 1:40:00 PM	S2AVE
AFRAME-C6W-LAT-L1-UP-C6.1-VS-230724-P-I	489059-029	WIPE	N	3546	7/24/2023 1:50:00 PM	S2AVE
AFRAME-C6W-LAT-L3-INT-0 TO1-230724-P-WF	489059-003	WIPE	N	3546	7/24/2023 10:20:00 AM	S2AVE
AFRAME-C6W-MED-L1-UP-C6.1-DG-230724-P-SS	489059-031	WIPE	N	3546	7/24/2023 2:00:00 PM	S2AVE
AFRAME-C6W-MED-L1-UP-C6.6-DG-230724-P-SS	489059-033	WIPE	N	3546	7/24/2023 2:15:00 PM	S2AVE
AFRAME-C6W-MED-L2-EXT-0 TO 1-230724-P-WF	489059-014	WIPE	N	3546	7/24/2023 2:00:00 PM	S2AVE
AFRAME-C6W-MED-L2-INT-0.5 TO 1-230724-P-FB	489059-016	WIPE	N	3546	7/24/2023 2:10:00 PM	S2AVE
AFRAME-C6W-MED-L2-UP-C6.6-DG-230724-P-DUP-LA	489059-019	WIPE	FD	3546	7/24/2023 2:20:00 PM	S2AVE
AFRAME-C6W-MED-L2-UP-C6.6-DG-230724-P-LA	489059-018	WIPE	N	3546	7/24/2023 2:20:00 PM	S2AVE
AFRAME-C6W-MED-L3-DN-C6.2-DG-230724-P-LA	489059-005	WIPE	N	3546	7/24/2023 10:30:00 AM	S2AVE
AFRAME-C7W-LAT-L1-HS-3-230724-P-A	489059-036	WIPE	N	3546	7/24/2023 2:30:00 PM	S2AVE
AFRAME-C7W-LAT-L1-UP-C7.7-VS-230724-P-I	489059-038	WIPE	N	3546	7/24/2023 2:45:00 PM	S2AVE
AFRAME-C7W-LAT-L2-EXT-0 TO 1-230724-P-WF	489059-023	WIPE	N	3546	7/24/2023 2:45:00 PM	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: 8082

AFRAME-C7W-LAT-L2-INT-0.5 TO 1-230724-P-FB	489059-021	WIPE	N	3546	7/24/2023 2:35:00 PM	S2AVE
AFRAME-C7W-LAT-L3-DN-C7W-DG-230724-P-LA	489059-009	WIPE	N	3546	7/24/2023 1:40:00 PM	S2AVE
AFRAME-C7W-LAT-L3-UP-C7.6-HS-230724-P-LA	489059-001	WIPE	N	3546	7/24/2023 10:05:00 AM	S2AVE
AFRAME-C7W-MED-L1-UP-C7.6-DG-230724-P-SS	489059-040	WIPE	N	3546	7/24/2023 3:00:00 PM	S2AVE
AFRAME-C7W-MED-L3-DN-C7.5-DG-230724-P-DUP-LA	489059-012	WIPE	FD	3546	7/24/2023 1:25:00 PM	S2AVE
AFRAME-C7W-MED-L3-DN-C7.5-DG-230724-P-LA	489059-011	WIPE	N	3546	7/24/2023 1:25:00 PM	S2AVE
AFRAME-C7W-MED-L3-INT-0 TO 1-230724-P-WF	489059-007	WIPE	N	3546	7/24/2023 10:45:00 AM	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

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: 489066

Method: 6010B

230725-L-FB3	489066-043	WIPE	FB	3050B	7/25/2023 9:30:00 AM	S2AVE
230725-L-MEDBLANK3	489066-044	WIPE	FB	3050B	7/25/2023 11:34:00 AM	S2AVE
AFRAME-C6W-LAT-L1-EXT-1 TO 2-230725-L-WF	489066-023	WIPE	N	3050B	7/25/2023 8:00:00 AM	S2AVE
AFRAME-C6W-LAT-L1-UP-C6.7-HS-230725-L-LA	489066-027	WIPE	N	3050B	7/25/2023 8:15:00 AM	S2AVE
AFRAME-C6W-LAT-L2-DN-C6.1-DG-230725-L-LA	489066-010	WIPE	N	3050B	7/25/2023 8:45:00 AM	S2AVE
AFRAME-C6W-LAT-L2-INT-0 TO 0.5-230725-L-FB	489066-008	WIPE	N	3050B	7/25/2023 8:55:00 AM	S2AVE
AFRAME-C6W-MED-L1-DN-C6.7W-DG-230725-L-SS	489066-035	WIPE	N	3050B	7/25/2023 10:00:00 AM	S2AVE
AFRAME-C6W-MED-L1-EXT-0 TO 1-230725-L-WF	489066-033	WIPE	N	3050B	7/25/2023 10:10:00 AM	S2AVE
AFRAME-C6W-MED-L1-HS-3-230725-L-A	489066-021	WIPE	N	3050B	7/25/2023 9:20:00 AM	S2AVE
AFRAME-C6W-MED-L1-HS-3-230725-L-G	489066-019	WIPE	N	3050B	7/25/2023 9:10:00 AM	S2AVE
AFRAME-C6W-MED-L1-INT-1 TO 2-230725-L-FB	489066-025	WIPE	N	3050B	7/25/2023 9:05:00 AM	S2AVE
AFRAME-C7W-LAT-L1-EXT-0 TO 1-230725-L-WF	489066-039	WIPE	N	3050B	7/25/2023 9:30:00 AM	S2AVE
AFRAME-C7W-LAT-L1-INT-1 TO 2-230725-L-FB	489066-029	WIPE	N	3050B	7/25/2023 8:50:00 AM	S2AVE
AFRAME-C7W-LAT-L1-UP-C7W-HS-230725-L-LA	489066-031	WIPE	N	3050B	7/25/2023 8:40:00 AM	S2AVE
AFRAME-C7W-LAT-L2-UP-C7.1-VS-230725-L-I	489066-004	WIPE	N	3050B	7/25/2023 7:30:00 AM	S2AVE
AFRAME-C7W-MED-L1-DN-C7W-DG-230725-L-SS	489066-041	WIPE	N	3050B	7/25/2023 9:50:00 AM	S2AVE
AFRAME-C7W-MED-L1-INT-0 TO 1-230725-L-FB	489066-037	WIPE	N	3050B	7/25/2023 9:40:00 AM	S2AVE
AFRAME-C7W-MED-L2-DN-C7.5-VS-230725-L-LA	489066-017	WIPE	N	3050B	7/25/2023 8:05:00 AM	S2AVE
AFRAME-C7W-MED-L2-EXT-0 TO 1-230725-L-WF	489066-014	WIPE	N	3050B	7/25/2023 8:15:00 AM	S2AVE
AFRAME-C7W-MED-L2-HS-1-230725-L-G	489066-002	WIPE	N	3050B	7/25/2023 7:50:00 AM	S2AVE

10/5/2023 10:07:43 AM

ADR version 1.9.0.325

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Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

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

AFRAME-C7W-MED-L2-INT-0 TO 0.5-230725-L-FB	489066-012	WIPE	N	3050B	7/25/2023 8:30:00 AM	S2AVE
AFRAME-C7W-MED-L2-UP- C7.2-DG-230725-L-LA	489066-006	WIPE	N	3050B	7/25/2023 7:40:00 AM	S2AVE

Method: 8082

230725-P-FB3	489066-042	WIPE	FB	3546	7/25/2023 9:30:00 AM	S2AVE
AFRAME-C6W-LAT-L1-EXT-1 TO 2-230725-P-WF	489066-022	WIPE	N	3546	7/25/2023 8:00:00 AM	S2AVE
AFRAME-C6W-LAT-L1-UP- C6.7-HS-230725-P-LA	489066-026	WIPE	N	3546	7/25/2023 8:15:00 AM	S2AVE
AFRAME-C6W-LAT-L2-DN- C6.1-DG-230725-P-LA	489066-009	WIPE	N	3546	7/25/2023 8:45:00 AM	S2AVE
AFRAME-C6W-LAT-L2-INT-0 TO 0.5-230725-P-FB	489066-007	WIPE	N	3546	7/25/2023 8:55:00 AM	S2AVE
AFRAME-C6W-MED-L1-DN- C6.7W-DG-230725-P-SS	489066-034	WIPE	N	3546	7/25/2023 10:00:00 AM	S2AVE
AFRAME-C6W-MED-L1-EXT-0 TO 1-230725-P-WF	489066-032	WIPE	N	3546	7/25/2023 10:10:00 AM	S2AVE
AFRAME-C6W-MED-L1- HS-3-230725-P-A	489066-020	WIPE	N	3546	7/25/2023 9:20:00 AM	S2AVE
AFRAME-C6W-MED-L1- HS-3-230725-P-G	489066-018	WIPE	N	3546	7/25/2023 9:10:00 AM	S2AVE
AFRAME-C6W-MED-L1-INT-1 TO 2-230725-P-FB	489066-024	WIPE	N	3546	7/25/2023 9:05:00 AM	S2AVE
AFRAME-C7W-LAT-L1-EXT-0 TO 1-230725-P-WF	489066-038	WIPE	N	3546	7/25/2023 9:30:00 AM	S2AVE
AFRAME-C7W-LAT-L1-INT-1 TO 2-230725-P-FB	489066-028	WIPE	N	3546	7/25/2023 8:50:00 AM	S2AVE
AFRAME-C7W-LAT-L1-UP- C7W-HS-230725-P-LA	489066-030	WIPE	N	3546	7/25/2023 8:40:00 AM	S2AVE
AFRAME-C7W-LAT-L2-UP- C7.1-VS-230725-P-I	489066-003	WIPE	N	3546	7/25/2023 7:30:00 AM	S2AVE
AFRAME-C7W-MED-L1-DN- C7W-DG-230725-P-SS	489066-040	WIPE	N	3546	7/25/2023 9:50:00 AM	S2AVE
AFRAME-C7W-MED-L1-INT-0 TO 1-230725-P-FB	489066-036	WIPE	N	3546	7/25/2023 9:40:00 AM	S2AVE
AFRAME-C7W-MED-L2-DN- C7.5-VS-230725-P-DUP-LA	489066-016	WIPE	FD	3546	7/25/2023 8:05:00 AM	S2AVE
AFRAME-C7W-MED-L2-DN- C7.5-VS-230725-P-LA	489066-015	WIPE	N	3546	7/25/2023 8:05:00 AM	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

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-C7W-MED-L2-EXT-0 TO 1-230725-P-WF	489066-013	WIPE	N	3546	7/25/2023 8:15:00 AM	S2AVE
AFRAME-C7W-MED-L2- HS-1-230725-P-G	489066-001	WIPE	N	3546	7/25/2023 7:50:00 AM	S2AVE
AFRAME-C7W-MED-L2-INT-0 TO 0.5-230725-P-FB	489066-011	WIPE	N	3546	7/25/2023 8:30:00 AM	S2AVE
AFRAME-C7W-MED-L2-UP- C7.2-DG-230725-P-LA	489066-005	WIPE	N	3546	7/25/2023 7:40:00 AM	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

Data Review Sample Summary Report by Analysis Method

Reviewed By:

Approved By:

Laboratory: Enthalpy Orange

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Lab Reporting Batch: 489153

Method: 6010B

ARCH-C6W-EXT-7 TO 8-230725-L-DUP-WF	489153-003	WIPE	FD	3050B	7/25/2023 7:30:00 AM	S2AVE
ARCH-C6W-EXT-7 TO 8-230725-L-WF	489153-002	WIPE	N	3050B	7/25/2023 7:30:00 AM	S2AVE

Method: 8082

ARCH-C6W-EXT-7 TO 8-230725-P-WF	489153-001	WIPE	N	3546	7/25/2023 7:30:00 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

Lab Reporting Batch: 489258

Method: 6010B

AFRAME-C6W-MED-L1-UP-
C6.1-DG-230727-L-SS

489258-001

WIPE

N

3050B

7/27/2023 12:35:00
PM

S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 4.

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: 489010

Laboratory: Enthalpy Orange

EDD Filename: Prep489010

eQAPP Name:

Method Category: SVOA

Method: 8082

Matrix: WIPE

AFRAME-C6W-LAT-L3-UP-C6.4-
Sample ID: DG-230724-P-LA7/24/2023 9:35:00
Collected: AM

Analysis Type: RES

Dilution: 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

AFRAME-C6W-LAT-L3-UP-C6.7-
Sample ID: DG-230724-P-DUP-LA7/24/2023 8:40:00
Collected: AM

Analysis Type: RES

Dilution: 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

AFRAME-C6W-LAT-L3-UP-C6.7-
Sample ID: DG-230724-P-LA7/24/2023 8:40:00
Collected: AM

Analysis Type: RES

Dilution: 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

AFRAME-C6W-MED-L3-EXT-1 TO
Sample ID: 2-230724-P-WF7/24/2023 8:15:00
Collected: AM

Analysis Type: RES

Dilution: 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

10/5/2023 9:52:37 AM

ADR version 1.9.0.325

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Data Qualifier Summary

Lab Reporting Batch ID: 489010

Laboratory: Enthalpy Orange

EDD Filename: Prep489010

eQAPP Name:

Method Category: SVOA

Method: 8082

Matrix: WIPE

AFRAME-C6W-MED-L3-UP-C6.5- Sample ID: HM-230724-P-CB			7/24/2023 8:25:00 Collected: AM		Analysis Type: RES			Dilution: 1.000	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

AFRAME-C6W-MED-L3-UP-C6W- Sample ID: DG-230724-P-LA			7/24/2023 9:30:00 Collected: AM		Analysis Type: RES			Dilution: 1.000	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

AFRAME-C7W-LAT-L3-EXT-1 TO Sample ID: 2-230724-P-WF			7/24/2023 8:50:00 Collected: AM		Analysis Type: RES			Dilution: 1.000	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

AFRAME-C7W-LAT-L3-UP-C7.1- Sample ID: DG-230724-P-DUP-LA			7/24/2023 9:05:00 Collected: AM		Analysis Type: RES			Dilution: 1.000	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

10/5/2023 9:52:37 AM

ADR version 1.9.0.325

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Data Qualifier Summary

Lab Reporting Batch ID: 489010

Laboratory: Enthalpy Orange

EDD Filename: Prep489010

eQAPP Name:

Method Category: SVOA**Method:** 8082**Matrix:** WIPE**Sample ID:** AFRAME-C7W-LAT-L3-UP-C7.1-DG-230724-P-LA**Collected:** 7/24/2023 9:05:00 AM**Analysis Type:** RES**Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: AFRAME-C7W-LAT-L3-UP-C7.3-DG-230724-P-LA**Collected:** 7/24/2023 9:55:00 AM**Analysis Type:** RES**Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: AFRAME-C7W-MED-L3-UP-C7.6-HM-230724-P-CB**Collected:** 7/24/2023 9:15:00 AM**Analysis Type:** RES**Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: AFRAME-C7W-MED-L3-UP-C7W-DG-230724-P-LA**Collected:** 7/24/2023 9:45:00 AM**Analysis Type:** RES**Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

10/5/2023 9:52:37 AM

ADR version 1.9.0.325

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Data Qualifier Summary

Lab Reporting Batch ID: 489010

Laboratory: Enthalpy Orange

EDD Filename: Prep489010

eQAPP Name:

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
Ccv	Continuing Calibration Verification Percent Difference Upper Rejection

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

10/5/2023 9:52:37 AM

ADR version 1.9.0.325

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Data Qualifier Summary

Lab Reporting Batch ID: 489058

Laboratory: Enthalpy Orange

EDD Filename: Prep489058

eQAPP Name:

Method Category: METALS

Method: 6010B

Matrix: WIPE

Sample ID: ARCH-C6W-PS-6.5-230724-L-G

7/24/2023 9:45:00
Collected: AM

Analysis Type: RES

Dilution: 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
LEAD	16		0.072	MDL	0.50	CRQL	ug/ft2	U	Fb

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

10/5/2023 9:59:02 AM

ADR version 1.9.0.325

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Data Qualifier Summary

Lab Reporting Batch ID: 489058

Laboratory: Enthalpy Orange

EDD Filename: Prep489058

eQAPP Name:

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
Fb	Field Blank Contamination

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

10/5/2023 9:59:02 AM

ADR version 1.9.0.325

Page 2 of 2

SDG# 489059 does not contain samples collected in the low occupancy area of Zone 4.

Data Qualifier Summary

Lab Reporting Batch ID: 489059

Laboratory: Enthalpy Orange

EDD Filename: Prep489059

eQAPP Name:

No Data Review Qualifiers Applied.

SDG# 489066 does not contain samples collected in the low occupancy area of Zone 4.

Data Qualifier Summary

Lab Reporting Batch ID: 489066

Laboratory: Enthalpy Orange

EDD Filename: Prep489066

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 489153

Laboratory: Enthalpy Orange

EDD Filename: Prep489153

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I
Validation Outlier Reports

Quality Control Outlier Reports

~~489010~~

SDG# 489010 does not contain samples collected in the low occupancy area of Zone 4.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57398A3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489010

Stage 3

Laboratory: Enthalpy Analytical, Orange, CA

Date: 9/13/23

Page: 1 of 1

Reviewer: P

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 ≤ 20 15
III.	Continuing calibration	SW	CV ≤ 20 15
IV.	Laboratory Blanks	Δ	
V.	Field blanks	N	
VI.	Surrogate spikes 1/7	A/Δ	
VII.	Matrix spike/Matrix spike duplicates	N	C>
VIII.	Laboratory control samples	Δ	LC > 10
IX.	Field duplicates	ND	D = 2, 3 6, 7
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-C6W-MED-L3-EXT-1 TO 2-230724-P-WF	489010-001	Wipe	07/24/23
2	AFRAME-C6W-LAT-L3-UP-C6.7-DG-230724-P-LA	489010-004	Wipe	07/24/23
3	AFRAME-C6W-LAT-L3-UP-C6.7-DG-230724-P-DUP-LA	489010-005	Wipe	07/24/23
4	AFRAME-C6W-MED-L3-UP-C6.5-HM-230724-P-CB	489010-007	Wipe	07/24/23
5	AFRAME-C7W-LAT-L3-EXT-1 TO 2-230724-P-WF	489010-009	Wipe	07/24/23
6	AFRAME-C7W-LAT-L3-UP-C7.1-DG-230724-P-LA	489010-012	Wipe	07/24/23
7	AFRAME-C7W-LAT-L3-UP-C7.1-DG-230724-P-DUP-LA	489010-013	Wipe	07/24/23
8	AFRAME-C7W-MED-L3-UP-C7.6-HM-230724-P-CB	489010-015	Wipe	07/24/23
9	AFRAME-C6W-LAT-L3-UP-C6.4-DG-230724-P-LA	489010-017	Wipe	07/24/23
10	AFRAME-C6W-MED-L3-UP-C6W-DG-230724-P-LA	489010-019	Wipe	07/24/23
11	AFRAME-C7W-MED-L3-UP-C7W-DG-230724-P-LA	489010-021	Wipe	07/24/23
12	AFRAME-C7W-LAT-L3-UP-C7.3-DG-230724-P-LA	489010-023	Wipe	07/24/23
13				

Notes:

318888					

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57398A3b

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%?	☒	☐	☐	
III. Continuing calibration				
Was a continuing calibration analyzed daily?	☒	☐	☐	
Were all percent differences (%D) < 20%?	☒	☐	☐	
Were all the retention times within the acceptance windows?	☒	☐	☐	
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	☒	☐	☐	
Was a laboratory blank analyzed for each matrix and concentration?	☒	☐	☐	
Was there contamination in the laboratory blanks?	☐	☒	☐	
V. Field Blanks				
Were field blanks identified in this SDG?	☐	☒	☐	
Were target compounds detected in the field blanks?	☐	☐	☒	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	☒	☐	☐	
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?	☐	☐	☒	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?	☐	☐	☒	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?	☐	☐	☒	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?	☐	☐	☒	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	☒	☐	☐	
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	☒	☐	☐	
IX. Field duplicates				

LDC #: 57398 A3b

VALIDATION FINDINGS CHECKLIST

Page: 2 of 2
Reviewer: FT

Were field duplicate pairs identified in this SDG?	/			
Were target compounds detected in the field duplicates?		/		
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	/			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	/			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	/			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	/			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes: _____

LDC #: 57398A3b

VALIDATION FINDINGS WORKSHEET

Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: ✓ GC HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

What type of continuing calibration calculation was performed? ___%D or ___%R

Y N N/A Were continuing calibration standards analyzed at the required frequencies?

Y(N) N/A	Did the continuing calibration standards meet the %D / %R validation criteria of $\leq 20.0\%$ / 80-120%?
----------	---

Level IV Only

Y/N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

[illegible]

LDC #: 57398A3b**VALIDATION FINDINGS WORKSHEET**
Initial Calibration Calculation VerificationPage: 1 of 1
Reviewer: FTMETHOD: GC ☒ HPLC ☐

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C

Average CF = sum of the CF/number of standards

%RSD = 100 * (S/X)

Where: A = Area of compound

C = Concentration of compound

S = Standard deviation of calibration factors

X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported	Recalculated	Reported	Recalculated	Reported	Recalculated
				CF (2SD std)	CF (2SD std)	CF (initial)	CF (initial)	%RSD	%RSD
1	KAL	5/22/23	Aroclor 1260-1 chA	0.0709	0.0709	0.0661	0.0661	14	14
			↓ chP	0.0579	0.0579	0.0564	0.0564	17	17
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 57398A3b**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 compounds 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 compound

C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported	Recalculated	Reported	Recalculated
					CF/ Conc. CCV	CF/ Conc. CCV	%D	%D
1	CCV	7/25/23	Aroclor 1260 chA	500.0	396.6	396.6	21	21
			↓ chB	500.0	437.3	437.3	13	13
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 57398A3b

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: $SF/SS \times 100$
 Where: SF = Surrogate Found
 SS = Surrogate Spiked
Sample ID: # 12

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50	31.7166	76.03	63	0
DCB	↓	↓	26.9204	67.54	54	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Triphenyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 57398A3b

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 compounds 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: 31888 LCS 1P

[illegible]

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 57398A3b

VALIDATION FINDINGS WORKSHEET Sample Calculation Verification

Page: 1 of 1
Reviewer: FT

METHOD: ✓ GC HPLC

Y N N/A
Y N N/A

Were all reported results recalculated and verified for all level IV samples?

Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= $\frac{(A)(F_v)(D_f)}{(RF)(V_s \text{ or } W_s)(\%S/100)}$

Example:

Sample ID: 318888-10 Compound Name Aroclor 1260

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound
In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Concentration = $\frac{388.486 (10)}{(1) (1000)} = 3.88486 \text{ ug}/100 \text{ cm}^2$

#	Sample ID	Compound	Reported Concentrations ($\text{ug}/100 \text{ cm}^2$)	Recalculated Results Concentrations ($\text{ug}/100 \text{ cm}^2$)	Qualifications
	LC>	Aroclor 1260	3.885	3.88486	
	1260-1 = 57398A3b	9388944.60 (20)		369.63	1260-1 = 369.63
		(9007377.86)(0.0564)			2 = 416.9
					3 = 351.8
					4 = 422.6
					5 = 381.5
					Ave = 388.486

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 #: 57398A4b

VALIDATION COMPLETENESS WORKSHEET

Date: 10/5/2023

SDG #: 489010

Stage 3

Page: of

Laboratory: Enthalpy Analytical, Orange, CA

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	A	
III.	ICP Interference Check Sample (ICS) Analysis	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	FD = 6/5, 2/1
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-C6W-MED-L3-EXT-1 TO 2-230724-L-WF	489010-002	Wipe	07/24/23
2	AFRAME-C6W-MED-L3-EXT-1 TO 2-230724-L-DUP-WF	489010-003	Wipe	07/24/23
3	AFRAME-C6W-LAT-L3-UP-C6.7-DG-230724-L-LA	489010-006	Wipe	07/24/23
4	AFRAME-C6W-MED-L3-UP-C6.5-HM-230724-L-CB	489010-008	Wipe	07/24/23
5	AFRAME-C7W-LAT-L3-EXT-1 TO 2-230724-L-WF	489010-010	Wipe	07/24/23
6	AFRAME-C7W-LAT-L3-EXT-1 TO 2-230724-L-DUP-WF	489010-011	Wipe	07/24/23
7	AFRAME-C7W-LAT-L3-UP-C7.1-DG-230724-L-LA	489010-014	Wipe	07/24/23
8	AFRAME-C7W-MED-L3-UP-C7.6-HM-230724-L-CB	489010-016	Wipe	07/24/23
9	AFRAME-C6W-LAT-L3-UP-C6.4-DG-230724-L-LA	489010-018	Wipe	07/24/23
10	AFRAME-C6W-MED-L3-UP-C6W-DG-230724-L-LA	489010-020	Wipe	07/24/23
11	AFRAME-C7W-MED-L3-UP-C7W-DG-230724-L-LA	489010-022	Wipe	07/24/23
12	AFRAME-C7W-LAT-L3-UP-C7.3-DG-230724-L-LA	489010-024	Wipe	07/24/23
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	Yes	No	NA	Comments
I. Technical holding times				
Were all technical holding times met?	X			
Were all water samples preserved to a pH of <2.			X	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			X	
Were %RSDs of isotopes in the tuning solution ≤5%?			X	
III. Calibration				
Were all instruments calibrated daily?	X			
Were the proper standards used?	X			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	X			
Were the low level standard checks within 70-130%?			X	Low level was ran. R% was not provided by the lab.
Were all initial calibration correlation coefficients within limits as specified by the method?	X			
IV. Interference Check Sample				
Were the interference check samples performed daily?	X			
Were the AB solution recoveries within 80-120%?	X			
V. Blanks				
Was a method blank associated with every sample in this SDG?	X			
Was there contamination in the method blanks?		X		
Was there contamination in the initial and continuing calibration blanks?		X		
VI. Field Blanks				
Were field blanks identified in this SDG?			X	
Were target analytes detected in the field blanks?			X	

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.)			X	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			X	
IX. Serial Dilution				
Were all percent differences <10%?			X	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			X	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	X			
Were the LCS recoveries and RPDs (if applicable)	X			
XI. Field Duplicates				
Were field duplicates identified in this SDG?	X			
Were target analytes detected in the field duplicates?	X			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?	X			
If the recoveries were outside the limits, was a reanalysis performed?			X	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	X			
Were all soil samples dry weight corrected?			X	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	X			

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)
QC1082052	LCS	Pb	50.04	50	100	100	Y
	MS						
QC1082052/53	Duplicate	Pb	50.04	49.82	0	0	Y
	PDS						
	Serial dilution						

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	0.9896	1	99	99	Y
CCV	ICP	Pb	1	1.019	98	98	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.041	1	104	104	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

Field Duplicate RPD Report

Lab Reporting Batch ID: 489010

Laboratory: Enthalpy Orange

EDD Filename: Prep489010

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C7W-LAT-L3-EXT-1 TO 2-230724-	AFRAME-C7W-LAT-L3-EXT-1 TO 2-230724-L-			
LEAD	52	57	9	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C6W-MED-L3-EXT-1 TO 2-230724-	AFRAME-C6W-MED-L3-EXT-1 TO 2-230724-			
LEAD	56	43	26	100.00	No Qualifiers Applied

Quality Control Outlier Reports

489058

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57398B3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489058

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/05/2023

Page: of

Reviewer: BN

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB = 22, 23
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD = 9/8, 19/5
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C6W-PS-5.5-230724-P-G	489058-001	Wipe	07/24/23
2	ARCH-C7W-PS-5.5-230724-P-G	489058-003	Wipe	07/24/23
3	ARCH-C7W-DG-5 TO 5.5-DN-7.6-DG-230724-P-LA	489058-005	Wipe	07/24/23
4	ARCH-C6W-DG-5.5 TO 6-UP-C6.4-HS-230724-P-LA	489058-007	Wipe	07/24/23
5	ARCH-C7W-DG-5.5 TO 6-DN-C7.1-VS-230724-P-LA	489058-009	Wipe	07/24/23
6	ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-P-LA	489058-011	Wipe	07/24/23
7	ARCH-C7W-DG-6 TO 6.5-230724-P-FB	489058-013	Wipe	07/24/23
8	ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-P-LA	489058-016	Wipe	07/24/23
9	ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-P-DUP-LA	489058-017	Wipe	07/24/23
10	ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-P-LA	489058-019	Wipe	07/24/23
11	ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-P-LA	489058-021	Wipe	07/24/23
12	ARCH-C6W-PS-6.5-230724-P-G	489058-023	Wipe	07/24/23
13	ARCH-C7W-PS-6.5-230724-P-G	489058-025	Wipe	07/24/23
14	ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-P-LA	489058-027	Wipe	07/24/23
15	ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-P-LA	489058-029	Wipe	07/24/23
16	ARCH-C6W-DG-7.5-TO 8-UP-C6W-HM-230724-P-DUP-LA	489058-030	Wipe	07/24/23
17	ARCH-C7W-INT-7.5 TO 9-230724-P-WF	489058-032	Wipe	07/24/23

LDC #: 57398B3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489058

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/05/2023

Page: 2 of 2

Reviewer: Bn

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-P-LA	489058-034	Wipe	07/24/23
19	ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-P-LA	489058-036	Wipe	07/24/23
20	ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-P-LA	489058-038	Wipe	07/24/23
21	ARCH-C7W-EXT-8 TO 9-230724-P-WF	489058-040	Wipe	07/24/23
22	230724-P-FB2	489058-042	Wipe	07/24/23
23	230724-P-FB3	489058-045	Wipe	07/24/23
24				
25				
26				
27				

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 #: 57398B4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489058

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/15/2023

Page: 1 of 2

Reviewer: BN

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	N SW	FB=21, 22, 23, 24
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	FB=21, 22, 23, 24 FD= 8/7
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-C6W-PS-5.5-230724-L-G	489058-002	Wipe	07/24/23
2	ARCH-C7W-PS-5.5-230724-L-G	489058-004	Wipe	07/24/23
3	ARCH-C7W-DG-5 TO 5.5-DN-7.6-DG-230724-L-LA	489058-006	Wipe	07/24/23
4	ARCH-C6W-DG-5.5 TO 6-UP-C634-HS-230724-L-LA	489058-008	Wipe	07/24/23
5	ARCH-C7W-DG-5.5 TO 6-DN-7.1-VS-230724-L-LA	489058-010	Wipe	07/24/23
6	ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-L-LA	489058-012	Wipe	07/24/23
7	ARCH-C7W-DG-6 TO 6.5-230724-L-FB	489058-014	Wipe	07/24/23
8	ARCH-C7W-DG-6 TO 6.5-230724-L-DUP-FB	489058-015	Wipe	07/24/23
9	ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-L-LA	489058-018	Wipe	07/24/23
10	ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-L-LA	489058-020	Wipe	07/24/23
11	ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-L-LA	489058-022	Wipe	07/24/23
12	ARCH-C6W-PS-6.5-230724-L-G	489058-024	Wipe	07/24/23
13	ARCH-C7W-PS-6.5-230724-L-G	489058-026	Wipe	07/24/23
14	ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-L-LA	489058-028	Wipe	07/24/23
15	ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-L-LA	489058-031	Wipe	07/24/23
16	ARCH-C7W-INT-7.5 TO 9-230724-L-WF	489058-033	Wipe	07/24/23
17	ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-L-LA	489058-035	Wipe	07/24/23

LDC #: 57398B4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489058

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/05/2023

Page: 2 of 2

Reviewer: BN

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-L-LA	489058-037	Wipe	07/24/23
19	ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-L-LA	489058-039	Wipe	07/24/23
20	ARCH-C7W-EXT-8 TO 9-230724-L-WF	489058-041	Wipe	07/24/23
21	230724-L-FB2	489058-043	Wipe	07/24/23
22	230724-L-MEDBLANK1	489058-044	Wipe	07/24/23
23	230724-L-FB3	489058-046	Wipe	07/24/23
24	230724-L-MEDLBANK2	489058-047	Wipe	07/24/23
25				
26				
27				
28				

Notes: _____

Field Blank Outlier Report

Lab Reporting Batch ID: 489058

Laboratory: Enthalpy Orange

EDD Filename: Prep489058

eQAPP Name:

Method: 6010B Matrix: WIPE				
Field Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
230724-L-FB3(RES)	7/24/2023 7:32:00 AM	LEAD	3.6 ug/ft2	ARCH-C6W-DG-5.5 TO 6-UP-C6.4-HS-230724-L-LA ARCH-C6W-DG-6 TO 6.5-DN-C6.1-DG-230724-L-LA ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230724-L-LA ARCH-C6W-DG-7.5 TO 8-DN-C6.1-VS-230724-L-LA ARCH-C6W-DG-7.5 TO 8-DN-C6.7-DG-230724-L-LA ARCH-C6W-DG-7.5 TO 8-UP-C6W-HM-230724-L-LA ARCH-C6W-PS-5.5-230724-L-G ARCH-C6W-PS-6.5-230724-L-G ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230724-L-LA ARCH-C7W-DG-5.5 TO 6-DN-C7.1-VS-230724-L-LA ARCH-C7W-DG-6 TO 6.5-230724-L-DUP-FB ARCH-C7W-DG-6 TO 6.5-230724-L-FB ARCH-C7W-DG-6 TO 6.5-DN-C7.3-DG-230724-L-LA ARCH-C7W-DG-6 TO 6.5-UP-C7.5-VS-230724-L-LA ARCH-C7W-DG-7 TO 7.5-UP-C7.1-VS-230724-L-LA ARCH-C7W-DG-7.5 TO 8-DN-C7.5-VS-230724-L-LA ARCH-C7W-EXT-8 TO 9-230724-L-WF ARCH-C7W-INT-7.5 TO 9-230724-L-WF ARCH-C7W-PS-5.5-230724-L-G ARCH-C7W-PS-6.5-230724-L-G

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
ARCH-C6W-PS-6.5-230724-L-G(RES)	LEAD	16 ug/ft2	16U ug/ft2

Field Duplicate RPD Report

Lab Reporting Batch ID: 489058

Laboratory: Enthalpy Orange

EDD Filename: Prep489058

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C7W-DG-6 TO 6.5-230724-L-FB (TOT)	ARCH-C7W-DG-6 TO 6.5-230724-L-DUP-FB			
LEAD	43	45	5	100.00	No Qualifiers Applied

Quality Control Outlier Reports

~~489059~~

SDG# 489059 does not contain samples collected in the low occupancy area of Zone 4.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57398C3b

VALIDATION COMPLETENESS WORKSHEET

Date: 10/05/2023

SDG #: 489059

Stage 2A

Page: 1 of 2

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: Ben

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 = 21, 22
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD = 7/6, 11/10
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB = Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C7W-LAT-L3-UP-C7.6-HS-230724-P-LA	489059-001	Wipe	07/24/23
2	AFRAME-C6W-LAT-L3-INT-0 TO 1-230724-P-WF	489059-003	Wipe	07/24/23
3	AFRAME-C6W-MED-L3-DN-C6.2-DG-230724-P-LA	489059-005	Wipe	07/24/23
4	AFRAME-C7W-MED-L3-INT-0 TO 1-230724-P-WF	489059-007	Wipe	07/24/23
5	AFRAME-C7W-LAT-L3-DN-C7W-DG-230724-P-LA	489059-009	Wipe	07/24/23
6	AFRAME-C7W-MED-L3-DN-C7.5-DG-230724-P-LA	489059-011	Wipe	07/24/23
7	AFRAME-C7W-MED-L3-DN-C7.5-DG-230724-P-DUP-LA	489059-012	Wipe	07/24/23
8	AFRAME-C6W-MED-L2-EXT-0 TO 1-230724-P-WF	489059-014	Wipe	07/24/23
9	AFRAME-C6W-MED-L2-INT-0.5 TO 1-230724-P-FB	489059-016	Wipe	07/24/23
10	AFRAME-C6W-MED-L2-UP-C6.6-DG-230724-P-LA	489059-018	Wipe	07/24/23
11	AFRAME-C6W-MED-L2-UP-C6.6-DG-230724-P-DUP-LA	489059-019	Wipe	07/24/23
12	AFRAME-C7W-LAT-L2-INT-0.5 TO 1-230724-P-FB	489059-021	Wipe	07/24/23
13	AFRAME-C7W-LAT-L2-EXT-0 TO 1-230724-P-WF	489059-023	Wipe	07/24/23
14	AFRAME-C6W-LAT-L1-HS-3-230724-P-A	489059-026	Wipe	07/24/23
15	AFRAME-C6W-LAT-L1-UP-C6.1-VS-230724-P-I	489059-029	Wipe	07/24/23
16	AFRAME-C6W-MED-L1-UP-C6.1-DG-230724-P-SS	489059-031	Wipe	07/24/23
17	AFRAME-C6W-MED-L1-UP-C6.6-DG-230724-P-SS	489059-033	Wipe	07/24/23

LDC #: 57398C3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489059

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/05/2023

Page: 2 of 2

Reviewer: BM

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C7W-LAT-L1-HS-3-230724-P-A	489059-036	Wipe	07/24/23
19	AFRAME-C7W-LAT-L1-UP-C7.7-VS-230724-P-I	489059-038	Wipe	07/24/23
20	AFRAME-C7W-MED-L1-UP-C7.6-DG-230724-P-SS	489059-040	Wipe	07/24/23
21	230724-P-FB1	489059-042	Wipe	07/24/23
22	230724-P-FB2	489059-045	Wipe	07/24/23
23				
24				
25				

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57398C4b

VALIDATION COMPLETENESS WORKSHEET

Date: 10/05/2023

SDG #: 489059

Stage 2A

Page: 1 of 2

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: Ben

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB = 22, 23, 24, 25
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	
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-C7W-LAT-L3-UP-C7.6-HS-230724-L-LA	489059-002	Wipe	07/24/23
2	AFRAME-C6W-LAT-L3-INT-0 TO 1-230724-L-WF	489059-004	Wipe	07/24/23
3	AFRAME-C6W-MED-L3-DN-C6.2-DG-230724-L-LA	489059-006	Wipe	07/24/23
4	AFRAME-C7W-MED-L3-INT-0 TO 1-230724-L-WF	489059-008	Wipe	07/24/23
5	AFRAME-C7W-LAT-L3-DN-C7W-DG-230724-L-LA	489059-010	Wipe	07/24/23
6	AFRAME-C7W-MED-L3-DN-C7.5-DG-230724-L-LA	489059-013	Wipe	07/24/23
7	AFRAME-C6W-MED-L2-EXT-0 TO 1-230724-L-WF	489059-015	Wipe	07/24/23
8	AFRAME-C6W-MED-L2-INT-0.5 TO 1-230724-L-FB	489059-017	Wipe	07/24/23
9	AFRAME-C6W-MED-L2-UP-C6.6-DG-230724-L-LA	489059-020	Wipe	07/24/23
10	AFRAME-C7W-LAT-L2-INT-0.5 TO 1-230724-L-FB	489059-022	Wipe	07/24/23
11	AFRAME-C7W-LAT-L2-EXT-0 TO 1-230724-L-WF	489059-024	Wipe	07/24/23
12	AFRAME-C7W-LAT-L2-EXT-0 TO 1-230724-L-DUP-WF	489059-025	Wipe	07/24/23
13	AFRAME-CLAT-L1-HS-3-230724-L-A	489059-027	Wipe	07/24/23
14	AFRAME-C6W-LAT-L1-HS-3-230724-L-DUP-A	489059-028	Wipe	07/24/23
15	AFRAME-C6W-LAT-L1-UP-C6.1-VS-230724-L-I	489059-030	Wipe	07/24/23
16	AFRAME-C6W-MED-L1-UP-C6.1-DG-230724-L-SS	489059-032	Wipe	07/24/23
17	AFRAME-C6W-MED-L1-UP-C6.6-DG-230724-L-SS	489059-034	Wipe	07/24/23

LDC #: 57398C4b**VALIDATION COMPLETENESS WORKSHEET**SDG #: 489059

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CADate: 10/05/2023Page: 2 of 2Reviewer: AB

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C6W-MED-L1-UP-C6.6-DG-230724-L-DUP-SS	489059-035	Wipe	07/24/23
19	AFRAME-C7W-LLAT-L1-HS-3-230724-L-LA	489059-037	Wipe	07/24/23
20	AFRAME-C7W-LAT-L1-UP-C7.7-VS-230724-L-I	489059-039	Wipe	07/24/23
21	AFRAME-C7W-MED-L1-UP-C7.6-DG-230724-L-SS	489059-041	Wipe	07/24/23
22	230724-L-FB1	489059-043	Wipe	07/24/23
23	230724-L-MEDBLANK1	489059-044	Wipe	07/24/23
24	230724-L-FB2	489059-046	Wipe	07/24/23
25	230724-L-MEDBLANK2	489059-047	Wipe	07/24/23
26				
27				
28				

Notes: _____

Field Blank Contamination Report

Lab Reporting Batch ID: 489059

Laboratory: Enthalpy Orange

EDD Filename: Prep489059

Moffett_Hangar_1_NTCRA_Enthalpy_230403

Method: 6010B

Matrix: WIPE

<i>Analyte</i>	<i>Sample</i>	<i>Concentration (ug/ft2)</i>	<i>Flag</i>
LEAD	230724-L-FB1	2.4	No Qualifiers Applied
	230724-L-FB2	0.57	

Field Duplicate RPD Report

Lab Reporting Batch ID: 489059

Laboratory: Enthalpy Orange

EDD Filename: Prep489059

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C6W-MED-L1-UP-C6.6-	AFRAME-C6W-MED-L1-UP-C6.6-			
LEAD	160	200	22	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C7W-LAT-L2-EXT-0 TO 1-230724-	AFRAME-C7W-LAT-L2-EXT-0 TO 1-230724-L-			
LEAD	110	160	37	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C6W-LAT-L1-HS-3-230724-L-A	AFRAME-C6W-LAT-L1-HS-3-230724-L-DUP-A			
LEAD	110	220	67	100.00	No Qualifiers Applied

Quality Control Outlier Reports

~~489066~~

SDG# 489066 does not contain samples collected in the low occupancy area of Zone 4.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57398D3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489066

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/05/2023

Page: 1 of 2

Reviewer: Bn

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB-22
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD = 9/8
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C7W-MED-L2-HS-1-230725-P-G	489066-001	Wipe	07/25/23
2	AFRAME-C7W-LAT-L2-UP-C7.1-VS-230725-P-I	489066-003	Wipe	07/25/23
3	AFRAME-C7W-MED-L2-UP-C7.2-DG-230725-P-LA	489066-005	Wipe	07/25/23
4	AFRAME-C6W-LAT-L2-INT-0 TO 0.5-230725-P-FB	489066-007	Wipe	07/25/23
5	AFRAME-C6W-LAT-L2-DN-C6.1-DG-230725-P-LA	489066-009	Wipe	07/25/23
6	AFRAME-C7W-MED-L2-INT-0 TO 0.5-230725-P-FB	489066-011	Wipe	07/25/23
7	AFRAME-C7W-MED-L2-EXT-0 TO 1-230725-P-WF	489066-013	Wipe	07/25/23
8	AFRAME-C7W-MED-L2-DN-C7.5-VS-230725-P-LA	489066-015	Wipe	07/25/23
9	AFRAME-C7W-MED-L2-DN-C7.5-VS-230725-P-DUP-LA	489066-016	Wipe	07/25/23
10	AFRAME-C6W-MED-L1-HS-3-230725-P-G	489066-018	Wipe	07/25/23
11	AFRAME-C6W-MED-L1-HS-3-230725-P-A	489066-020	Wipe	07/25/23
12	AFRAME-C6W-LAT-L1-EXT-1 TO 2-230725-P-WF	489066-022	Wipe	07/25/23
13	AFRAME-C6W-MED-L1-INT-1 TO 2-230725-P-FB	489066-024	Wipe	07/25/23
14	AFRAME-C6W-LAT-L1-UP-C6.7-HS-230725-P-LA	489066-026	Wipe	07/25/23
15	AFRAME-C7W-LAT-L1-INT-1 TO 2-230725-P-FB	489066-028	Wipe	07/25/23
16	AFRAME-C7W-LAT-L1-UP-C7W-HS-230725-P-LA	489066-030	Wipe	07/25/23
17	AFRAME-C6W-MED-L1-EXT-0 TO 1-230725-P-WF	489066-032	Wipe	07/25/23

LDC #: 57398D3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489066

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/05/2023

Page: 2 of 2

Reviewer: BN

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C6W-MED-L1-DN-C6.7W-DG-230725-P-SS	489066-034	Wipe	07/25/23
19	AFRAME-C7W-MED-L1-INT-0 TO 1-230725-P-FB	489066-036	Wipe	07/25/23
20	AFRAME-C7W-LAT-L1-EXT-0 TO 1-230725-P-WF	489066-038	Wipe	07/25/23
21	AFRAME-C7W-MED-L1-DN-C7W-DG-230725-P-SS	489066-040	Wipe	07/25/23
22	230725-P-FB3	489066-042	Wipe	07/25/23
23				
24				
25				

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57398D4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489066

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/05/2023

Page: 1 of 2

Reviewer: ABN

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB = 21, 22
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	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-C7W-MED-L2-HS-1-230725-L-G	489066-002	Wipe	07/25/23
2	AFRAME-C7W-LAT-L2-UP-C7.1-VS-230725-L-I	489066-004	Wipe	07/25/23
3	AFRAME-C7W-MED-L2-UP-C7.2-DG-230725-L-LA	489066-006	Wipe	07/25/23
4	AFRAME-C6W-LAT-L2-INT-0 TO 0.5-230725-L-FB	489066-008	Wipe	07/25/23
5	AFRAME-C6W-LAT-L2-DN-C6.1-DG-230725-L-LA	489066-010	Wipe	07/25/23
6	AFRAME-C7W-MED-L2-INT-0 TO 0.5-230725-L-FB	489066-012	Wipe	07/25/23
7	AFRAME-C7W-MED-L2-EXT-0 TO 1-230725-L-WF	489066-014	Wipe	07/25/23
8	AFRAME-C7W-MED-L2-DN-C7.5-VS-2130725-L-LA	489066-017	Wipe	07/25/23
9	AFRAME-C6W-MED-L1-HS-3-230725-L-G	489066-019	Wipe	07/25/23
10	AFRAME-C6W-MED-L1-HS-3-230725-L-A	489066-021	Wipe	07/25/23
11	AFRAME-C6W-LAT-L1-EXT-1 TO 2-230725-L-WF	489066-023	Wipe	07/25/23
12	AFRAME-C6W-MED-L1-INT-1 TO 2-230725-L-FB	489066-025	Wipe	07/25/23
13	AFRAME-C6W-LAT-L1-UP-C6.7-HS-230725-L-LA	489066-027	Wipe	07/25/23
14	AFRAME-C7W-LAT-L1-INT-1 TO 2-230725-L-FB	489066-029	Wipe	07/25/23
15	AFRAME-C7W-LAT-L1-UP-C7W-HS-230725-L-LA	489066-031	Wipe	07/25/23
16	AFRAME-C6W-MED-L1-EXT-0 TO 1-230725-L-WF	489066-033	Wipe	07/25/23
17	AFRAME-C6W-MED-L1-DN-C6.7W-DG-230725-L-SS	489066-035	Wipe	07/25/23

LDC #: 57398D4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489066

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/05/2023

Page: 2 of 2

Reviewer: Ben

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C7W-MED-L1-INT-0 TO 1-230725-L-FB	489066-037	Wipe	07/25/23
19	AFRAME-C7W-LAT-L1-EXT-0 TO 1-230725-L-WF	489066-039	Wipe	07/25/23
20	AFRAME-C7W-MED-L1-DN-C7W-DG-230725-L-SS	489066-041	Wipe	07/25/23
21	230725-L-FB3	489066-043	Wipe	07/25/23
22	230725-L-MEDBLANK3	489066-044	Wipe	07/25/23
23				
24				
25				

Notes: _____

Field Blank Contamination Report

Lab Reporting Batch ID: 489066

Laboratory: Enthalpy Orange

EDD Filename: Prep489066

Moffett_Hangar_1_NTCRA_Enthalpy_230403

Method: 6010B

Matrix: WIPE

Analyte	Sample	Concentration (ug/ft2)	Flag
LEAD	230724-L-FB3	1.5	No Qualifiers Applied
	230724-L-MEDBLANK3	0.57	

Quality Control Outlier Reports

489153

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57398E3b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489153

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/05/2023

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, A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C6W-EXT-7 TO 8-230725-P-WF	489153-001	Wipe	07/25/23
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 #: 57398E4b

SDG #: 489153

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/05/2023

Page: 1 of 1

Reviewer: Bn

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD = 3/1
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-C6W-EXT-7 TO 8-230725-L-WF	489153-002	Wipe	07/25/23
2	ARCH-C6W-EXT-7 TO 8-230725-L-DUP-WF	489153-003	Wipe	07/25/23
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes: _____

Field Duplicate RPD Report

Lab Reporting Batch ID: 489153

Laboratory: Enthalpy Orange

EDD Filename: Prep489153

eQAPP Name:

Method: 6010B

Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C6W-EXT-7 TO 8-230725-L-WF (TOT)	ARCH-C6W-EXT-7 TO 8-230725-L-DUP-WF			
LEAD	3.7	6.0	47	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

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ADR version 1.9.0.325

Page 1 of 1

Quality Control Outlier Reports

489258

(No Outliers)

SDG# 486134 does not contain samples collected in the low occupancy area of Zone 4.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples).

LDC #: 57398F4b

VALIDATION COMPLETENESS WORKSHEET

SDG #: 489258

Stage 2A

Laboratory: Enthalpy Analytical, Orange, CA

Date: 10/05/2023

Page: 1 of 1

Reviewer: BN

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A ^N	
XII.	Overall Assessment of Data		

Note: A = Acceptable
N = Not provided/applicable
SW = See worksheet

ND = No compounds detected
R = Rinsate
FB = Field blank

D = Duplicate
TB = Trip blank
EB = Equipment blank

SB=Source blank
OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C6W-MED-L1-UP-C6.1-DG-230727-L-SS	489258-001	Wipe	07/27/23
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes: _____

Attachment 6

Clearance Sampling Summary and Laboratory Reports



Clearance Wipe Sampling Results - Zone 4

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
				µg/ft ²	Concentration - µg/100 cm ²								
Location ID [a]	Sample Date	Zone	Enclosure	Clearance Goal	<250	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10
CLEAR-ARCH-C6E-DG-1 TO 1.5-230608-FB	06/08/2023	4	A/B	79	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L26-230608 [c]	06/08/2023	4	A/B	3700	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L26-230613	06/13/2023	4	A/B	3.4	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z4EAB-L26-230608	06/08/2023	4	A/B	59	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C7E-INT-2.5 TO 3.5-230608-WF	06/08/2023	4	A/B	43	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L23-230608 [c]	06/08/2023	4	A/B	330	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L23-230613	06/13/2023	4	A/B	2.2	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z4EAB-L23-230608	06/08/2023	4	A/B	21	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C7E-DG-4 TO 4.5-230608-FB	06/08/2023	4	A/B	55	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L20-230608	06/08/2023	4	A/B	190	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4EAB-L20-230608	06/08/2023	4	A/B	20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4EAB-L20-230608-DUP	06/08/2023	4	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230609-LA	06/09/2023	4	A/B	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L16-230609	06/09/2023	4	A/B	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4EAB-L16-230609	06/09/2023	4	A/B	36	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230609-LA	06/09/2023	4	A/B	71	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L14-230609 [c]	06/09/2023	4	A/B	260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L14-230613	06/13/2023	4	A/B	2.5	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z4EAB-L14-230609 [c]	06/09/2023	4	A/B	820	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4EAB-L14-230613	06/13/2023	4	A/B	0.68	--	--	--	--	--	--	--	--	--
CLEAR-ARCH-C6E-EXT-7 TO 8-230609-WF [c]	06/09/2023	4	A/B	520	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C6E-EXT-7 TO 8-230613-WF	06/13/2023	4	A/B	9.5	--	--	--	--	--	--	--	--	--
CLEAR-ARCH-C6E-EXT-7 TO 8-230609-DUP-WF [c]	06/09/2023	4	A/B	260	--	--	--	--	--	--	--	--	--
CLEAR-ARCH-C6E-EXT-7 TO 8-230613-DUP-WF	06/13/2023	4	A/B	9.7	--	--	--	--	--	--	--	--	--
CLEAR-SCAF-Z4EAB-L11-230609 [c]	06/09/2023	4	A/B	530	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L11-230613	06/13/2023	4	A/B	2.2	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z4EAB-L11-230609 [c]	06/09/2023	4	A/B	1300	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4EAB-L11-230613	06/13/2023	4	A/B	1.5	--	--	--	--	--	--	--	--	--
CLEAR-ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230609-LA	06/09/2023	4	A/B	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L9-230609 [c]	06/09/2023	4	A/B	1200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L9-230613	06/13/2023	4	A/B	120	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z4EAB-L9-230609	06/09/2023	4	A/B	1400	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4EAB-L9-230613	06/13/2023	4	A/B	2.0	--	--	--	--	--	--	--	--	--
CLEAR-AFRAME-C6E-MED-L3-UP-C6.5-HM-230609-CB	06/09/2023	4	A/B	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-AFRAME-C6E-MED-L3-UP-C6.5-HM-230609-DUP-CB	06/09/2023	4	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L7-230609 [c]	06/09/2023	4	A/B	1300	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L7-230613	06/13/2023	4	A/B	11	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z4EAB-L7-230609	06/09/2023	4	A/B	51	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-AFRAME-C6E-MED-L2-UP-C6.6-DG-230612-LA	06/12/2023	4	A/B	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-AFRAME-C6E-MED-L2-UP-C6.6-DG-230612-DUP-LA	06/12/2023	4	A/B	130	--	--	--	--	--	--	--	--	--
CLEAR-SCAF-Z4EAB-L4-230612	06/12/2023	4	A/B	360	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4EAB-L4-230612	06/12/2023	4	A/B	50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-AFRAME-C7E-LAT-L1-INT-1 TO 2-230612-FB	06/12/2023	4	A/B	21	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4EAB-L1-230612	06/12/2023	4	A/B	160	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4EAB-L1-230612	06/12/2023	4	A/B	10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-MEDBLANK-230608 [d]	06/08/2023	4	A/B	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-MEDBLANK-230609 [d]	06/09/2023	4	A/B	0.28	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Average Clearance Result: Zone 4 Enclosure A/B [b]				60	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C7W-DG-2 TO 2.5-230731-FB	07/31/2023	4	C/D	26	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4ECD-L25-230731	07/31/2023	4	C/D	190	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L25-230731	07/31/2023	4	C/D	23	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C6W-PS-3.5-230801-G	08/01/2023	4	C/D	65	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50



				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	Zone	Enclosure	µg/ft ²	Concentration - µg/100 cm ²								
Clearance Goal				<250	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10
CLEAR-SCAF-Z4ECD-L22-230801	08/01/2023	4	C/D	62	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L22-230801	08/01/2023	4	C/D	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230801-LA	08/01/2023	4	C/D	90	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4ECD-L19-230801	08/01/2023	4	C/D	430	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L19-30801	08/01/2023	4	C/D	2.6	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230802-LA	08/02/2023	4	C/D	47	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230802-DUP-LA	08/02/2023	4	C/D	30	--	--	--	--	--	--	--	--	--
CLEAR-SCAF-Z4ECD-L16-230802	08/02/2023	4	C/D	410	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L16-230802	08/02/2023	4	C/D	4.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230802-LA	08/02/2023	4	C/D	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4ECD-L14-230802	08/02/2023	4	C/D	130	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L14-230802	08/02/2023	4	C/D	6.7	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C6W-PS-6.5-230802-G	08/02/2023	4	C/D	14	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4ECD-L12-230802	08/02/2023	4	C/D	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4ECD-L12-230802-DUP	08/02/2023	4	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L12-230802	08/02/2023	4	C/D	20	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ARCH-C7W-INT-7.5 TO 9-230804-WF	08/04/2023	4	C/D	51	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4ECD-L10-230804	08/04/2023	4	C/D	83	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L10-230804	08/04/2023	4	C/D	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-AFRAME-C6W-MED-L3-UP-C6.5-HM-230804-CB	08/04/2023	4	C/D	150	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4ECD-L7-230804	08/04/2023	4	C/D	180	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L7-230804	08/04/2023	4	C/D	9.4	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-AFRAME-C7W-LAT-L2-UP-C7.1-VS-230804-I	08/04/2023	4	C/D	550 b	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4ECD-L4-230804	08/04/2023	4	C/D	480 b	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L4-230804	08/04/2023	4	C/D	66	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-AFRAME-C6W-MED-L1-INT-1 TO 2-230804-FB	08/04/2023	4	C/D	220	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-AFRAME-C6W-MED-L1-INT-1 TO 2-230804-DUP-FB	08/04/2023	4	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-SCAF-Z4ECD-L1-230804	08/04/2023	4	C/D	120	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L1-230804	08/04/2023	4	C/D	51	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-ENC-Z4ECD-L7-230804-DUP	08/04/2023	4	C/D	11	--	--	--	--	--	--	--	--	--
CLEAR-FB-230731	07/31/2023	4	C/D	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-FB-230804	08/04/2023	4	C/D	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
CLEAR-MEDBLANK-230731	07/31/2023	4	C/D	<0.50	--	--	--	--	--	--	--	--	--
CLEAR-MEDBLANK-230804	08/04/2023	4	C/D	<0.50	--	--	--	--	--	--	--	--	--
Average Clearance Result: Zone 4 Enclosure C/D [b]				125	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

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

-- : Not collected/not applicable

Notes:

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

[b] 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. Because PCBs were not reported above the laboratory analytical reporting limit in any of the clearance wipe samples, the values presented for the PCBs are the maximum of the analytical reporting limits for each Aroclor.

[c] 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.

[d] The samples identified as MEDBLANK collected on June 8 and June 9, 2023 are referred to as field blank samples in the Zone 4 Low Occupancy Data Summary Submittal Report because they were collected within the enclosure and more accurately represent ambient enclosure conditions during sampling rather than impacts to the sampling media itself.

Bolded values indicate constituents detected above laboratory reporting limits.

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



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

enthalpy.com

Lab Job Number: 486565
Report Level: II
Report Date: 06/15/2023

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	Lab Job #:	486565
Rincon Consultants	Project No:	20-10491
449 15th Street	Location:	Hangar 1 NTCRA
#303	Date Received:	06/08/23
Oakland, CA 94612		

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C6E-DG-1 TO 1.5-230608-P-FB	486565-001	06/08/23 07:30	Wipe
CLEAR-ARCH-C6E-DG-1 TO 1.5-230608-L-FB	486565-002	06/08/23 07:30	Wipe
CLEAR-SCAF-Z4EAB-L26-230608-P	486565-003	06/08/23 07:30	Wipe
CLEAR-SCAF-Z4EAB-L26-230608-L	486565-004	06/08/23 07:30	Wipe
CLEAR-ENC-Z4EAB-L26-230608-P	486565-005	06/08/23 07:30	Wipe
CLEAR-ENC-Z4EAB-L26-230608-L	486565-006	06/08/23 07:30	Wipe
CLEAR-ARCH-C7E-INT-2.5 TO 3.5-230608-P-WF	486565-007	06/08/23 08:05	Wipe
CLEAR-ARCH-C7E-INT-2.5 TO 3.5-230608-L-WF	486565-008	06/08/23 08:05	Wipe
CLEAR-SCAF-Z4EAB-L23-230608-P	486565-009	06/08/23 08:05	Wipe
CLEAR-SCAF-Z4EAB-L23-230608-L	486565-010	06/08/23 08:05	Wipe
CLEAR-ENC-Z4EAB-L23-230608-P	486565-011	06/08/23 08:05	Wipe
CLEAR-ENC-Z4EAB-L23-230608-L	486565-012	06/08/23 08:05	Wipe
CLEAR-ARCH-C7E-DG-4 TO 4.5-230608-P-FB	486565-013	06/08/23 08:30	Wipe
CLEAR-ARCH-C7E-DG-4 TO 4.5-230608-L-FB	486565-014	06/08/23 08:30	Wipe
CLEAR-SCAF-Z4EAB-L20-230608-P	486565-015	06/08/23 08:30	Wipe
CLEAR-SCAF-Z4EAB-L20-230608-L	486565-016	06/08/23 08:30	Wipe
CLEAR-ENC-Z4EAB-L20-230608-P	486565-017	06/08/23 08:30	Wipe
CLEAR-ENC-Z4EAB-L20-230608-P-DUP	486565-018	06/08/23 08:30	Wipe
CLEAR-ENC-Z4EAB-L20-230608-L	486565-019	06/08/23 08:30	Wipe
CLEAR-MEDBLANK-230608-P	486565-020	06/08/23 07:51	Wipe

Sample Summary

Austin Moore	Lab Job #:	486565
Rincon Consultants	Project No:	20-10491
449 15th Street	Location:	Hangar 1 NTCRA
#303	Date Received:	06/08/23
Oakland, CA 94612		

Sample ID	Lab ID	Collected	Matrix
CLEAR-MEDBLANK-230608-L	486565-021	06/08/23 07:51	Wipe

Case Narrative

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

Lab Job Number: 486565
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/08/23

This data package contains sample and QC results for twenty one wipe samples, requested for the above referenced project on 06/09/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

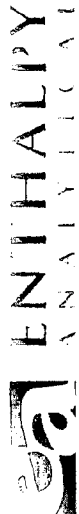
Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID: 486565		Standard:		3 Day:	
Page: 1 of 4		X (PCBs)		Custom TAT:	
Enthalpy Analytical - Orange 931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other Report: Level II data validation (lab use only)			
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		PROJECT INFORMATION Quote #: RIN001721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: 158 Cody Road, Mountain View, CA Address: Global ID: Sampled By: DWK		Analysis Request PCBs - EPA Method 8082 Lead - EPA Method 3050/6010B HOLD	
Test Instructions / Comments Clearance Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 4 Enclosure A/B (Low Occupancy)					
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 CLEAR-ARCH-C6E-DG-1 TO 1 5-230608-P-PB	6/8/2023	0730	WP	1	X
2 CLEAR-ARCH-C6E-DG-1 TO 1 5-230608-L-PB	6/8/2023	0730	WP	1	X
3 CLEAR-SCAF-Z4EAB-L26-230608-P	6/8/2023	0730	WP	1	X
4 CLEAR-SCAF-Z4EAB-L26-230608-L	6/8/2023	0730	WP	1	X
5 CLEAR-ENC-Z4EAB-L26-230608-P	6/8/2023	0730	WP	1	X
6 CLEAR-ENC-Z4EAB-L26-230608-L	6/8/2023	0730	WP	1	X
7 CLEAR-ARCH-C7E-INT-2.5 TO 3 5-230608-P-WF	6/8/2023	0805	WP	1	X
8 CLEAR-ARCH-C7E-INT-2.5 TO 3 5-230608-L-WF	6/8/2023	0805	WP	1	X
9 CLEAR-SCAF-Z4EAB-L23-230608-P	6/8/2023	0805	WP	1	X
10 CLEAR-SCAF-Z4EAB-L23-230608-L	6/8/2023	0805	WP	1	X
11 CLEAR-ENC-Z4EAB-L23-230608-P	6/8/2023	0805	WP	1	X
12 CLEAR-ENC-Z4EAB-L23-230608-L	6/8/2023	0805	WP	1	X
13 CLEAR-ARCH-C7E-DG-4 TO 4 5-230608-P-PB	6/8/2023	0830	WP	1	X
14 CLEAR-ARCH-C7E-DG-4 TO 4 5-230608-L-PB	6/8/2023	0830	WP	1	X
15 CLEAR-SCAF-Z4EAB-L20-230608-P	6/8/2023	0830	WP	1	X
Signature 1 Relinquished By: [Signature] 2 Received By: [Signature] 2 Relinquished By: [Signature] 2 Received By: [Signature] 3 Relinquished By: [Signature] 3 Received By: [Signature]		Print Name Michaela Lakim Audrey Hudson "JIP" JIP your		Company / Title Rincon Env Scientist ENTHALPY "ENTHALPY" ENTHALPY ENTHALPY	
Date / Time 6/8/23 @ 14:15 6/8/23 15:50 6/8/23 15:50 6/8/23 17:09 6/9/23 09:13					



COC ID: 486565

Page: 3 of 4		Standard: X (PCBs)		5 Day: 1 Day: X (Pb)		3 Day: 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		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	Proj. Name:	Hangar 1 - NCTRA WP	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B					Clearance Wipe Samples - Level II			
Report To:	Lindsay Parker	Proj. #:	20-10491	P.O. #:								Report/Stage 2A Validation			
Email:	lparker@rinconconsultants.com	Address:	449 15th Street, Suite 303	Global ID:	158 Cody Road, Mountain View, CA							Report PCB concentrations on a µg/100cm ² basis			
Phone:	(651) 890-9556	Sampled By:	D. Wells	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.				Report lead concentrations on a µg/ft ² basis			
Fax:												Report Aroclor 1268 concentrations in addition to the standard Aroclors			
												Wipe samples collected from Zone 4 Enclosure A/B (Low Occupancy)			
1	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
2	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
3	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
4	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
5	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
6	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
7	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
8	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
9	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
10	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
11	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
12	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
13	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
14	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
15	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
16	CLEAR-ENG-Z4B-AB-EXT-7 TO 8-230608-L	6/8/2023	6/8/2023	WP					X						
17	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
18	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
19	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
20	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
21	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
22	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
23	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
24	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
25	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
26	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
27	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
28	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
29	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
30	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
31	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
32	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
33	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
34	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
35	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
36	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
37	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
38	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
39	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
40	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
41	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
42	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
43	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
44	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
45	CLEAR-MEDBLANK-230608-P	6/8/2023	6/8/2023	WP					X						
1	Relinquished By:	Signature	Print Name	Company / Title	Date / Time	Collected from Low Occupancy zone of Hangar 1									
1	Relinquished By:		Lindsay Parker	Rincon/Env Scientist	6/8/23 @ 14:15										
2	Relinquished By:		Lindsay Parker	ENTHALPY	6/8/23 @ 14:15										
2	Relinquished By:		Lindsay Parker	"	6/8/23 @ 15:50										
3	Relinquished By:		Lindsay Parker	ENTHALPY	6/8/23 @ 16:50										
3	Relinquished By:		Lindsay Parker	ENTHALPY	6/8/23 @ 17:09										



Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92668
Phone 714-771-6900

COC ID 486565
Page: 4 of 4

Standard: X (PCBs) 5 Day: 1 Day: X (Pb)
3 Day: Custom TAT:
Preservatives: 1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
4 = H₂SO₄ 5 = NaOH 6 = Other
Report: Level II data validation
Sample Receipt Temp: (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
Report: Level II data validation

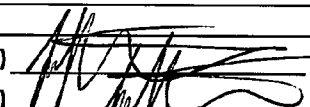
CUSTOMER INFORMATION				PROJECT INFORMATION				ANALYSIS REQUEST				TEST INSTRUCTIONS / COMMENTS			
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721	Proj. Name:	Hangar 1 - NCTRA WP	Lead - EPA Method 8082	PCBs - EPA Method 8082	Lead - EPA Method 3050/60108	HOLD	Clearance Wipe Samples - Level II	Report/Stage 2A Validation	Report PCB concentrations on a µg/100cm ² basis	Report lead concentrations on a µg/l ² basis	Report Aroclor 1268 concentrations in addition to the standard Aroclors	
Report To:	Lindsay Parker	Proj. #:	20-10491	P.O. #:											
Email:	lparker@rinconconsultants.com	Address:	449 15th Street, Suite 303	Global ID:	158 Cody Road, Mountain View, CA										
Phone:		Global ID:		Sampled By:	D. Wilson										
Fax:	(651) 890-9556	Sample ID		Sampling Date	6/8/2023	Sampling Time	0751	Matrix	WP	Container No. / Size	1	Pres.			
1	Relinquished By:														
1	Received By:														
2	Relinquished By:														
2	Received By:														
3	Relinquished By:														
3	Received By:														

Signature	Print Name	Company / Title	Date / Time
	Lindsay Parker	Rincon Consultants	6/8/23 @ 14:15
	Lindsay Parker	Enthalpy	6/8/23 @ 14:15
	Lindsay Parker	Enthalpy	6/8/23 @ 15:50
	Lindsay Parker	Enthalpy	6/8/23 @ 15:50
	Lindsay Parker	Enthalpy	6/8/23 @ 17:09

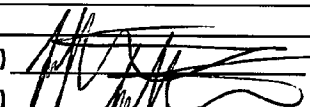
The below sample checklist was completed after delivery of the samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA.

SAMPLE RECEIPT CHECKLIST			
Section 1: Login # <u>486569</u>		Client: <u>Rincon</u>	
Date Received: <u>6.8.23</u>		Project: _____	
Section 2: Shipping info (if applicable) _____			
Are custody seals present? ☐ No, or ☒ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package ☒ Date: <u>6/8/23</u> How many <u>1</u> ☒ Signature, ☐ Initials, ☐ None			
Were custody seals intact upon arrival? ☒ Yes ☐ No ☐ N/A			
Samples received in a cooler? ☒ Yes, how many? <u>1</u> ☐ No (skip Section 3 below)			
If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C ☐ Samples received on ice directly from the field. Cooling process had begun			
If in cooler: Date Opened <u>6.8.23</u> By (print) <u>JJP</u> (sign) 			
Section 3: Important: Notify PM if temperature exceeds 6°C or arrive frozen.			
Packing in cooler: (if other, describe) _____ ☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels			
☒ Samples received on ice directly from the field. Cooling process had begun			
Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None			
Temperature blank(s) included? ☒ Yes, ☐ No			
Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C			
Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____			
Section 4:			
Were custody papers dry, filled out properly, and the project identifiable	YES	NO	N/A
Were Method 5035 sampling containers present?			
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?			
Are there any missing / extra samples?			
Are samples in the appropriate containers for indicated tests?			
Are sample labels present, in good condition and complete?			
Does the container count match the COC?			
Do the sample labels agree with custody papers?			
Was sufficient amount of sample sent for tests requested?			
Did you change the hold time in LIMS for unpreserved VOAs?			
Did you change the hold time in LIMS for preserved terracores?			
Are bubbles > 6mm present in VOA samples?			
Was the client contacted concerning this sample delivery?			
If YES, who was called? _____ By _____ Date: _____			
Section 5:			
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)	YES	NO	N/A
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			
pH strip lot# _____, pH strip lot# _____, pH strip lot# _____			
Preservative added:			
☐ H2SO4 lot# _____	added to samples _____	on/at _____	
☐ HCL lot# _____	added to samples _____	on/at _____	
☐ HNO3 lot# _____	added to samples _____	on/at _____	
☐ NaOH lot# _____	added to samples _____	on/at _____	
Section 6:			
Explanations/Comments: _____			

Date Logged in 6.8.23

By (print) JJP (sign) 

Date Labeled 6.8.23

By (print) JJP (sign) 

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



SAMPLE ACCEPTANCE CHECKLIST

480565

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 06/09/23 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: 4.7 #2: _____ #3: _____ #4: _____

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

Shipping Information: Southwest Airlines

Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam

☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.4 #2: _____ #3: _____ #4: _____

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

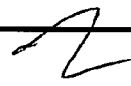
Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By:  Date: 6/9/2023

SOUTHWEST AIRLINES

Printed on:
08 JUN 18:46



526 OAK 8928 9550

SNA

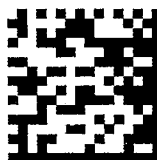
PC#
4 OF 4

DG
G

LOT WT
150 LB
(68.1 KG)

OAK WN 3564 08 JUN 20:20

STN FLT DATE ETD LOT 01



PC ID: 0004
PC WT: 37LB

526 89289550 0004

S

@09:35

90.9

s/y.7

1

Enthalpy Analytical - Orange Analytical Report

Lab #: 486565

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C6E-DG-1 TO 1.5-230608-P-FB

Batch#: 315795

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/08/23

Analysis: EPA 8082

Lab ID: 486565-001

Received: 06/08/23

Analyst: MES

Matrix: Wipe

Prepared: 06/09/23

DiIn Fac: 1.000

Analyzed: 06/09/23

486565-001 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
486565-001 Surrogate		%REC	Limits
TCMX (PCB)		66	19-121
Decachlorobiphenyl (PCB)		60	19-121

Field ID: CLEAR-SCAF-Z4EAB-L26-230608-P

Batch#: 315795

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/08/23

Analysis: EPA 8082

Lab ID: 486565-003

Received: 06/08/23

Analyst: MES

Matrix: Wipe

Prepared: 06/09/23

DiIn Fac: 1.000

Analyzed: 06/09/23

486565-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486565-003 Surrogate		%REC	Limits
TCMX (PCB)		56	19-121
Decachlorobiphenyl (PCB)		53	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486565

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z4EAB-L26-230608-P

Type: SAMPLE

Lab ID: 486565-005

Matrix: Wipe

Diln Fac: 1.000

Batch#: 315795

Sampled: 06/08/23

Received: 06/08/23

Prepared: 06/09/23

Analyzed: 06/09/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

486565-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486565-005 Surrogate		%REC	Limits
TCMX (PCB)		62	19-121
Decachlorobiphenyl (PCB)		59	19-121

Field ID: CLEAR-ARCH-C7E-INT-2.5 TO 3.5-230608-P-WF

Type: SAMPLE

Lab ID: 486565-007

Matrix: Wipe

Diln Fac: 1.000

Batch#: 315795

Sampled: 06/08/23

Received: 06/08/23

Prepared: 06/09/23

Analyzed: 06/09/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

486565-007 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
486565-007 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		65	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486565

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z4EAB-L23-230608-P

Type: SAMPLE

Lab ID: 486565-009

Matrix: Wipe

Diln Fac: 1.000

Batch#: 315795

Sampled: 06/08/23

Received: 06/08/23

Prepared: 06/09/23

Analyzed: 06/09/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

486565-009 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
486565-009 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		71	19-121

Field ID: CLEAR-ENC-Z4EAB-L23-230608-P

Type: SAMPLE

Lab ID: 486565-011

Matrix: Wipe

Diln Fac: 1.000

Batch#: 315795

Sampled: 06/08/23

Received: 06/08/23

Prepared: 06/09/23

Analyzed: 06/09/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

486565-011 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
486565-011 Surrogate		%REC	Limits
TCMX (PCB)		58	19-121
Decachlorobiphenyl (PCB)		60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486565

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C7E-DG-4 TO 4.5-230608-P-FB

Batch#: 315795

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/08/23

Analysis: EPA 8082

Lab ID: 486565-013

Received: 06/08/23

Analyst: MES

Matrix: Wipe

Prepared: 06/09/23

Diln Fac: 1.000

Analyzed: 06/09/23

486565-013 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
486565-013 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		70	19-121

Field ID: CLEAR-SCAF-Z4EAB-L20-230608-P

Batch#: 315795

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/08/23

Analysis: EPA 8082

Lab ID: 486565-015

Received: 06/08/23

Analyst: MES

Matrix: Wipe

Prepared: 06/09/23

Diln Fac: 1.000

Analyzed: 06/09/23

486565-015 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486565-015 Surrogate		%REC	Limits
TCMX (PCB)		52	19-121
Decachlorobiphenyl (PCB)		55	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486565	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z4EAB-L20-230608-P	Batch#: 315795	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/08/23	Analysis: EPA 8082
Lab ID: 486565-017	Received: 06/08/23	Analyst: MES
Matrix: Wipe	Prepared: 06/09/23	
Diln Fac: 1.000	Analyzed: 06/09/23	

486565-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486565-017 Surrogate		%REC	Limits
TCMX (PCB)		64	19-121
Decachlorobiphenyl (PCB)		62	19-121

Field ID: CLEAR-ENC-Z4EAB-L20-230608-P-DUP	Batch#: 315795	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/08/23	Analysis: EPA 8082
Lab ID: 486565-018	Received: 06/08/23	Analyst: MES
Matrix: Wipe	Prepared: 06/09/23	
Diln Fac: 1.000	Analyzed: 06/09/23	

486565-018 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
486565-018 Surrogate		%REC	Limits
TCMX (PCB)		59	19-121
Decachlorobiphenyl (PCB)		58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486565

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-MEDBLANK-230608-P

Batch#: 315795

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/08/23

Analysis: EPA 8082

Lab ID: 486565-020

Received: 06/08/23

Analyst: MES

Matrix: Wipe

Prepared: 06/09/23

Diln Fac: 1.000

Analyzed: 06/09/23

486565-020 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
486565-020 Surrogate		%REC	Limits
TCMX (PCB)		62	19-121
Decachlorobiphenyl (PCB)		60	19-121

Type: BLANK

Batch#: 315795

Analysis: EPA 8082

Lab ID: QC1072035

Prepared: 06/09/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/09/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072035 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
QC1072035 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		63	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 486565

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 315795

Analysis: EPA 8082

Lab ID: QC1072036

Prepared: 06/09/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/09/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072036 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.395	88	60-140	ug/100 cm2
Aroclor-1260	5.000	4.392	88	60-140	ug/100 cm2
QC1072036 Surrogate				%REC	Limits
TCMX (PCB)				77	19-121
Decachlorobiphenyl (PCB)				77	19-121

Type: BSD

Batch#: 315795

Analysis: EPA 8082

Lab ID: QC1072037

Prepared: 06/09/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/09/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072037 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.832	77	60-140	ug/100 cm2	14	20
Aroclor-1260	5.000	3.695	74	60-140	ug/100 cm2	17	20
QC1072037 Surrogate				%REC	Limits		
TCMX (PCB)				67	19-121		
Decachlorobiphenyl (PCB)				66	19-121		

Legend

RPD: Relative Percent Difference

Lead

Lab #: 486565		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-C6E-DG-1 TO 1.5-230608-L-FB		Batch#: 315792	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/08/23	Analysis: EPA 6010B
Lab ID: 486565-002		Received: 06/08/23	Analyst: THP
Matrix: Wipe		Prepared: 06/09/23	
Diln Fac: 1.000		Analyzed: 06/09/23	
486565-002 Analyte		Result	RL Units
Lead		79	0.25 ug/ft2
Field ID: CLEAR-SCAF-Z4EAB-L26-230608-L		Batch#: 315792	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/08/23	Analysis: EPA 6010B
Lab ID: 486565-004		Received: 06/08/23	Analyst: THP
Matrix: Wipe		Prepared: 06/09/23	
Diln Fac: 10.00		Analyzed: 06/09/23	
486565-004 Analyte		Result	RL Units
Lead		3,700	2.5 ug/ft2
Field ID: CLEAR-ENC-Z4EAB-L26-230608-L		Batch#: 315792	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/08/23	Analysis: EPA 6010B
Lab ID: 486565-006		Received: 06/08/23	Analyst: THP
Matrix: Wipe		Prepared: 06/09/23	
Diln Fac: 1.000		Analyzed: 06/09/23	
486565-006 Analyte		Result	RL Units
Lead		59	0.25 ug/ft2
Field ID: CLEAR-ARCH-C7E-INT-2.5 TO 3.5-230608-L-WF		Batch#: 315792	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/08/23	Analysis: EPA 6010B
Lab ID: 486565-008		Received: 06/08/23	Analyst: THP
Matrix: Wipe		Prepared: 06/09/23	
Diln Fac: 1.000		Analyzed: 06/09/23	
486565-008 Analyte		Result	RL Units
Lead		43	0.25 ug/ft2
Field ID: CLEAR-SCAF-Z4EAB-L23-230608-L		Batch#: 315792	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/08/23	Analysis: EPA 6010B
Lab ID: 486565-010		Received: 06/08/23	Analyst: THP
Matrix: Wipe		Prepared: 06/09/23	
Diln Fac: 1.000		Analyzed: 06/09/23	
486565-010 Analyte		Result	RL Units
Lead		330	0.25 ug/ft2

Lead

Lab #: 486565		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z4EAB-L23-230608-L	Batch#: 315792	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 06/08/23	Analysis: EPA 6010B	
Lab ID: 486565-012	Received: 06/08/23	Analyst: THP	
Matrix: Wipe	Prepared: 06/09/23		
Diln Fac: 1.000	Analyzed: 06/09/23		
486565-012 Analyte		Result	RL Units
Lead		21	0.25 ug/ft2
Field ID: CLEAR-ARCH-C7E-DG-4 TO 4.5-230608-L-FB		Batch#: 315792	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/08/23	Analysis: EPA 6010B
Lab ID: 486565-014		Received: 06/08/23	Analyst: THP
Matrix: Wipe		Prepared: 06/09/23	
Diln Fac: 1.000		Analyzed: 06/09/23	
486565-014 Analyte		Result	RL Units
Lead		55	0.25 ug/ft2
Field ID: CLEAR-SCAF-Z4EAB-L20-230608-L		Batch#: 315792	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/08/23	Analysis: EPA 6010B
Lab ID: 486565-016		Received: 06/08/23	Analyst: THP
Matrix: Wipe		Prepared: 06/09/23	
Diln Fac: 1.000		Analyzed: 06/09/23	
486565-016 Analyte		Result	RL Units
Lead		190	0.25 ug/ft2
Field ID: CLEAR-ENC-Z4EAB-L20-230608-L		Batch#: 315792	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/08/23	Analysis: EPA 6010B
Lab ID: 486565-019		Received: 06/08/23	Analyst: THP
Matrix: Wipe		Prepared: 06/09/23	
Diln Fac: 1.000		Analyzed: 06/09/23	
486565-019 Analyte		Result	RL Units
Lead		20	0.25 ug/ft2
Field ID: CLEAR-MEDBLANK-230608-L		Batch#: 315792	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/08/23	Analysis: EPA 6010B
Lab ID: 486565-021		Received: 06/08/23	Analyst: THP
Matrix: Wipe		Prepared: 06/09/23	
Diln Fac: 1.000		Analyzed: 06/09/23	
486565-021 Analyte		Result	RL Units
Lead		2.5	0.25 ug/ft2

Lead

Lab #: 486565

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 315792

Analysis: EPA 6010B

Lab ID: QC1072068

Prepared: 06/09/23

Analyst: THP

Matrix: Wipe

Analyzed: 06/09/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1072068 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 486565

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 315792

Analysis: EPA 6010B

Lab ID: QC1072069

Prepared: 06/09/23

Analyst: THP

Matrix: Wipe

Analyzed: 06/09/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1072069 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.19	102	80-120	ug/ft2

Type: BSD

Batch#: 315792

Analysis: EPA 6010B

Lab ID: QC1072070

Prepared: 06/09/23

Analyst: THP

Matrix: Wipe

Analyzed: 06/09/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1072070 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	50.77	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: 486603
Report Level: II
Report Date: 06/16/2023

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 #: 486603
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/09/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230609-P-LA	486603-001	06/09/23 07:30	Wipe
CLEAR-ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230609-L-LA	486603-002	06/09/23 07:30	Wipe
CLEAR-SCAF-Z4EAB-L16-230609-P	486603-003	06/09/23 07:40	Wipe
CLEAR-SCAF-Z4EAB-L16-230609-L	486603-004	06/09/23 07:40	Wipe
CLEAR-ENC-Z4EAB-L16-230609-P	486603-005	06/09/23 07:50	Wipe
CLEAR-ENC-Z4EAB-L16-230609-L	486603-006	06/09/23 07:50	Wipe
CLEAR-ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230609-P-LA	486603-007	06/09/23 08:00	Wipe
CLEAR-ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230609-L-LA	486603-008	06/09/23 08:00	Wipe
CLEAR-SCAF-Z4EAB-L14-230609-P	486603-009	06/09/23 08:05	Wipe
CLEAR-SCAF-Z4EAB-L14-230609-L	486603-010	06/09/23 08:05	Wipe
CLEAR-ENC-Z4EAB-L14-230609-P	486603-011	06/09/23 08:10	Wipe
CLEAR-ENC-Z4EAB-L14-230609-L	486603-012	06/09/23 08:10	Wipe
CLEAR-ARCH-C6E-EXT-7 TO 8-230609-P-WF	486603-013	06/09/23 08:20	Wipe
CLEAR-ARCH-C6E-EXT-7 TO 8-230609-L-WF	486603-014	06/09/23 08:20	Wipe
CLEAR-ARCH-C6E-EXT-7 TO 8-230609-L-DUP-WF	486603-015	06/09/23 08:20	Wipe
CLEAR-SCAF-Z4EAB-L11-230609-P	486603-016	06/09/23 08:25	Wipe
CLEAR-SCAF-Z4EAB-L11-230609-L	486603-017	06/09/23 08:25	Wipe
CLEAR-ENC-Z4EAB-L11-230609-P	486603-018	06/09/23 08:30	Wipe
CLEAR-ENC-Z4EAB-L11-230609-L	486603-019	06/09/23 08:30	Wipe

Sample Summary

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

Lab Job #: 486603
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/09/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230609-P-LA	486603-020	06/09/23 07:30	Wipe
CLEAR-ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230609-L-LA	486603-021	06/09/23 07:30	Wipe
CLEAR-SCAF-Z4EAB-L9-230609-P	486603-022	06/09/23 07:30	Wipe
CLEAR-SCAF-Z4EAB-L9-230609-L	486603-023	06/09/23 07:30	Wipe
CLEAR-ENC-Z4EAB-L9-230609-P	486603-024	06/09/23 07:30	Wipe
CLEAR-ENC-Z4EAB-L9-230609-L	486603-025	06/09/23 07:30	Wipe

Case Narrative

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

Lab Job Number: 486603
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/09/23

This data package contains sample and QC results for twenty five wipe samples, requested for the above referenced project on 06/12/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
COC ID: 486603		Standard: X (PCBs)			
Page: 1 of 2		3 Day: 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 To: RINCON CONSULTANTS, INC. Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (651) 890-9556 Fax:		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)			
CUSTOMER INFORMATION		PROJECT INFORMATION			
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721		
Report To:	Lindsay Parker	Proj. Name:	Hanger 1 - NCTRA WP		
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491		
Address:	449 15th Street, Suite 303	P.O. #:			
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA		
Phone:	(651) 890-9556	Global ID:			
Fax:		Sampled By:	M. Kim D. Welsh		
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 CLEAR-ARCH-C6E-DG-5 TO 5-S-DN-C6 1-VS-230609-P-LA	6/9/2023	0730	WP	1	
2 CLEAR-ARCH-C6E-DG-5 TO 5-S-DN-C6 1-VS-230609-L-LA	6/9/2023	0730	WP	1	
3 CLEAR-SCAF-Z4EAB-L14-230609-P	6/9/2023	0740	WP	1	
4 CLEAR-SCAF-Z4EAB-L14-230609-L	6/9/2023	0740	WP	1	
5 CLEAR-ENC-Z4EAB-L14-230609-P	6/9/2023	0750	WP	1	
6 CLEAR-ENC-Z4EAB-L14-230609-L	6/9/2023	0750	WP	1	
7 CLEAR-ARCH-C7E-DG-6 TO 6-S-LP-C7 5-VS-230609-P-LA	6/9/2023	0800	WP	1	
8 CLEAR-ARCH-C7E-DG-6 TO 6-S-LP-C7 5-VS-230609-L-LA	6/9/2023	0800	WP	1	
9 CLEAR-SCAF-Z4EAB-L14-230609-P	6/9/2023	0805	WP	1	
10 CLEAR-SCAF-Z4EAB-L14-230609-L	6/9/2023	0805	WP	1	
11 CLEAR-ENC-Z4EAB-L14-230609-P	6/9/2023	0810	WP	1	
12 CLEAR-ENC-Z4EAB-L14-230609-L	6/9/2023	0810	WP	1	
13 CLEAR-ARCH-C6E-EXT-7 TO 8-230609-P-WF	6/9/2023	0820	WP	1	
14 CLEAR-ARCH-C6E-EXT-7 TO 8-230609-L-WF	6/9/2023	0820	WP	1	
15 CLEAR-ARCH-C6E-EXT-7 TO 8-230609-L-DUP-WF	6/9/2023	0820	WP	1	
Signature		Print Name			
1 Relinquished By: [Signature]	Michaela Kim	Rincon/Env Services			
2 Received By: [Signature]	Miguel Garcia	EA			
3 Relinquished By: [Signature]	Lisa Fay	EA			
4 Received By: [Signature]	POWELL	EA			
5 Relinquished By:		EA			
6 Received By:		EA			

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

SAMPLE RECEIPT CHECKLIST			
Section 1: Login # <u>486603</u> Date Received: <u>6/9/23</u>	Client: <u>Rincon</u> Project: _____		
Section 2: Shipping info (if applicable) _____ Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package ☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A Samples received in a cooler? ☒ Yes, how many? <u>1</u> ☐ No (skip Section 3 below) If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C ☒ Samples received on ice directly from the field. Cooling process had begun If in cooler: Date Opened <u>6/9/23</u> By (print) <u>UEF</u> (sign) <u>[Signature]</u>			
Section 3: Important: Notify PM if temperature exceeds 6°C or arrive frozen. Packing in cooler: (if other, describe) _____ ☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels ☒ Samples received on ice directly from the field. Cooling process had begun Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____			
Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	/		
Were Method 5035 sampling containers present?		/	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	/		
Are there any missing / extra samples?		/	
Are samples in the appropriate containers for indicated tests?	/		
Are sample labels present, in good condition and complete?	/		
Does the container count match the COC?	/		
Do the sample labels agree with custody papers?	/		
Was sufficient amount of sample sent for tests requested?	/		
Did you change the hold time in LIMS for unpreserved VOAs?			/
Did you change the hold time in LIMS for preserved terracores?			/
Are bubbles > 6mm present in VOA samples?			/
Was the client contacted concerning this sample delivery?		/	
If YES, who was called? _____ By _____ Date: _____			
Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (If N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			
pH strip lot# _____, pH strip lot# _____, pH strip lot# _____ Preservative added: ☐ H2SO4 lot# _____ added to samples _____ on/at _____ ☐ HCL lot# _____ added to samples _____ on/at _____ ☐ HNO3 lot# _____ added to samples _____ on/at _____ ☐ NaOH lot# _____ added to samples _____ on/at _____			
Section 6: Explanations/Comments: _____ _____ _____ _____			

Date Logged in 6/9/23
Date Labeled 6/9/23

By (print) UEF (sign) [Signature]
By (print) UEF (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>06/10/23</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>3.6</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: _____	

Section 3	
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other _____	
Cooler Temp (°C): #1: <u>2.2</u> #2: _____ #3: _____ #4: _____	

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

Section 5 Explanations/Comments
<u>486603</u>

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

Completed By: [Signature] Date: JUN 10 2023

SOUTHWEST AIRLINES

Printed on:
09 JUN 18:33

526 OAK 8931 9226



ONT

PC#
1 OF

1
DG

LBT WT
55 LB
(24.9 KG)

OAK WN 469 09 JUN 20:55

STN FLT DATE ETD LOT C1



PC ID: 0001
PC WT: 55LB

526 89319226 0001

S

2.2 / 3.6

Enthalpy Analytical - Orange Analytical Report

Lab #: 486603

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230609-P-LA

Batch#: 315855

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 8082

Lab ID: 486603-001

Received: 06/09/23

Analyst: MES

Matrix: Wipe

Prepared: 06/10/23

Diln Fac: 1.000

Analyzed: 06/12/23

486603-001 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
486603-001 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		71	19-121

Field ID: CLEAR-SCAF-Z4EAB-L16-230609-P

Batch#: 315855

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 8082

Lab ID: 486603-003

Received: 06/09/23

Analyst: MES

Matrix: Wipe

Prepared: 06/10/23

Diln Fac: 1.000

Analyzed: 06/12/23

486603-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486603-003 Surrogate		%REC	Limits
TCMX (PCB)		64	19-121
Decachlorobiphenyl (PCB)		64	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486603

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z4EAB-L16-230609-P

Type: SAMPLE

Lab ID: 486603-005

Matrix: Wipe

Diln Fac: 1.000

Batch#: 315855

Sampled: 06/09/23

Received: 06/09/23

Prepared: 06/10/23

Analyzed: 06/12/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

486603-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486603-005 Surrogate		%REC	Limits
TCMX (PCB)		77	19-121
Decachlorobiphenyl (PCB)		80	19-121

Field ID: CLEAR-ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230609-P-LA

Type: SAMPLE

Lab ID: 486603-007

Matrix: Wipe

Diln Fac: 1.000

Batch#: 315855

Sampled: 06/09/23

Received: 06/09/23

Prepared: 06/10/23

Analyzed: 06/12/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

486603-007 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
486603-007 Surrogate		%REC	Limits
TCMX (PCB)		68	19-121
Decachlorobiphenyl (PCB)		68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486603	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z4EAB-L14-230609-P	Batch#: 315855	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/09/23	Analysis: EPA 8082
Lab ID: 486603-009	Received: 06/09/23	Analyst: MES
Matrix: Wipe	Prepared: 06/10/23	
Diln Fac: 1.000	Analyzed: 06/12/23	

486603-009 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
486603-009 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		67	19-121

Field ID: CLEAR-ENC-Z4EAB-L14-230609-P	Batch#: 315855	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/09/23	Analysis: EPA 8082
Lab ID: 486603-011	Received: 06/09/23	Analyst: MES
Matrix: Wipe	Prepared: 06/10/23	
Diln Fac: 1.000	Analyzed: 06/12/23	

486603-011 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
486603-011 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		70	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486603

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C6E-EXT-7 TO 8-230609-P-WF

Type: SAMPLE

Lab ID: 486603-013

Matrix: Wipe

Diln Fac: 1.000

Batch#: 315855

Sampled: 06/09/23

Received: 06/09/23

Prepared: 06/10/23

Analyzed: 06/12/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

486603-013 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
486603-013 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		69	19-121

Field ID: CLEAR-SCAF-Z4EAB-L11-230609-P

Type: SAMPLE

Lab ID: 486603-016

Matrix: Wipe

Diln Fac: 1.000

Batch#: 315855

Sampled: 06/09/23

Received: 06/09/23

Prepared: 06/10/23

Analyzed: 06/12/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

486603-016 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
486603-016 Surrogate		%REC	Limits
TCMX (PCB)		61	19-121
Decachlorobiphenyl (PCB)		61	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486603

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z4EAB-L11-230609-P

Type: SAMPLE

Lab ID: 486603-018

Matrix: Wipe

Diln Fac: 1.000

Batch#: 315855

Sampled: 06/09/23

Received: 06/09/23

Prepared: 06/10/23

Analyzed: 06/12/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

486603-018 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
486603-018 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		83	19-121

Field ID: CLEAR-ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230609-P-LA

Type: SAMPLE

Lab ID: 486603-020

Matrix: Wipe

Diln Fac: 1.000

Batch#: 315855

Sampled: 06/09/23

Received: 06/09/23

Prepared: 06/10/23

Analyzed: 06/12/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

486603-020 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
486603-020 Surrogate		%REC	Limits
TCMX (PCB)		62	19-121
Decachlorobiphenyl (PCB)		63	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486603	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z4EAB-L9-230609-P	Batch#: 315855	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/09/23	Analysis: EPA 8082
Lab ID: 486603-022	Received: 06/09/23	Analyst: MES
Matrix: Wipe	Prepared: 06/10/23	
Diln Fac: 1.000	Analyzed: 06/12/23	

486603-022 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
486603-022 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		75	19-121

Field ID: CLEAR-ENC-Z4EAB-L9-230609-P	Batch#: 315855	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/09/23	Analysis: EPA 8082
Lab ID: 486603-024	Received: 06/09/23	Analyst: MES
Matrix: Wipe	Prepared: 06/10/23	
Diln Fac: 1.000	Analyzed: 06/12/23	

486603-024 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
486603-024 Surrogate		%REC	Limits
TCMX (PCB)		71	19-121
Decachlorobiphenyl (PCB)		74	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486603

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 315855

Analysis: EPA 8082

Lab ID: QC1072232

Prepared: 06/10/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072232 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
QC1072232 Surrogate		%REC	Limits
TCMX (PCB)		66	19-121
Decachlorobiphenyl (PCB)		70	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 486603

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 315855

Analysis: EPA 8082

Lab ID: QC1072233

Prepared: 06/10/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072233 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.637	73	60-140	ug/100 cm2
Aroclor-1260	5.000	3.701	74	60-140	ug/100 cm2
QC1072233 Surrogate				%REC	Limits
TCMX (PCB)				65	19-121
Decachlorobiphenyl (PCB)				69	19-121

Type: BSD

Batch#: 315855

Analysis: EPA 8082

Lab ID: QC1072234

Prepared: 06/10/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072234 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.795	76	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	3.800	76	60-140	ug/100 cm2	3	20
QC1072234 Surrogate				%REC	Limits		
TCMX (PCB)				68	19-121		
Decachlorobiphenyl (PCB)				71	19-121		

Legend

RPD: Relative Percent Difference

Lead

Lab #: 486603

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C6E-DG-5 TO 5.5-DN-C6.1-VS-230609-L-LA

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486603-002

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 1.000

Analyzed: 06/12/23

486603-002 Analyte	Result	RL	Units
Lead	160	0.25	ug/ft2

Field ID: CLEAR-SCAF-Z4EAB-L16-230609-L

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486603-004

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 1.000

Analyzed: 06/12/23

486603-004 Analyte	Result	RL	Units
Lead	140	0.25	ug/ft2

Field ID: CLEAR-ENC-Z4EAB-L16-230609-L

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486603-006

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 1.000

Analyzed: 06/12/23

486603-006 Analyte	Result	RL	Units
Lead	36	0.25	ug/ft2

Field ID: CLEAR-ARCH-C7E-DG-6 TO 6.5-UP-C7.5-VS-230609-L-LA

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486603-008

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 1.000

Analyzed: 06/12/23

486603-008 Analyte	Result	RL	Units
Lead	71	0.25	ug/ft2

Field ID: CLEAR-SCAF-Z4EAB-L14-230609-L

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486603-010

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 1.000

Analyzed: 06/12/23

486603-010 Analyte	Result	RL	Units
Lead	260	0.25	ug/ft2

Lead

Lab #: 486603		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z4EAB-L14-230609-L	Batch#: 315847	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 06/09/23	Analysis: EPA 6010B	
Lab ID: 486603-012	Received: 06/09/23	Analyst: THP	
Matrix: Wipe	Prepared: 06/12/23		
Diln Fac: 10.00	Analyzed: 06/12/23		
486603-012 Analyte		Result	RL Units
Lead		820	2.5 ug/ft2
Field ID: CLEAR-ARCH-C6E-EXT-7 TO 8-230609-L-WF		Batch#: 315847	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/09/23	Analysis: EPA 6010B
Lab ID: 486603-014		Received: 06/09/23	Analyst: THP
Matrix: Wipe		Prepared: 06/12/23	
Diln Fac: 10.00		Analyzed: 06/12/23	
486603-014 Analyte		Result	RL Units
Lead		520	2.5 ug/ft2
Field ID: CLEAR-ARCH-C6E-EXT-7 TO 8-230609-L-DUP-WF		Batch#: 315847	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/09/23	Analysis: EPA 6010B
Lab ID: 486603-015		Received: 06/09/23	Analyst: THP
Matrix: Wipe		Prepared: 06/12/23	
Diln Fac: 1.000		Analyzed: 06/12/23	
486603-015 Analyte		Result	RL Units
Lead		260	0.25 ug/ft2
Field ID: CLEAR-SCAF-Z4EAB-L11-230609-L		Batch#: 315847	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/09/23	Analysis: EPA 6010B
Lab ID: 486603-017		Received: 06/09/23	Analyst: THP
Matrix: Wipe		Prepared: 06/12/23	
Diln Fac: 10.00		Analyzed: 06/12/23	
486603-017 Analyte		Result	RL Units
Lead		530	2.5 ug/ft2
Field ID: CLEAR-ENC-Z4EAB-L11-230609-L		Batch#: 315847	Prep: EPA 3050B
Type: SAMPLE		Sampled: 06/09/23	Analysis: EPA 6010B
Lab ID: 486603-019		Received: 06/09/23	Analyst: THP
Matrix: Wipe		Prepared: 06/12/23	
Diln Fac: 10.00		Analyzed: 06/12/23	
486603-019 Analyte		Result	RL Units
Lead		1,300	2.5 ug/ft2

Lead

Lab #: 486603

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C7E-DG-7 TO 7.5-UP-C7.5-DG-230609-L-LA

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486603-021

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 1.000

Analyzed: 06/12/23

486603-021 Analyte	Result	RL	Units
Lead	140	0.25	ug/ft2

Field ID: CLEAR-SCAF-Z4EAB-L9-230609-L

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486603-023

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 10.00

Analyzed: 06/12/23

486603-023 Analyte	Result	RL	Units
Lead	1,200	2.5	ug/ft2

Field ID: CLEAR-ENC-Z4EAB-L9-230609-L

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486603-025

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 10.00

Analyzed: 06/12/23

486603-025 Analyte	Result	RL	Units
Lead	1,400	2.5	ug/ft2

Type: BLANK

Batch#: 315847

Analysis: EPA 6010B

Lab ID: QC1072211

Prepared: 06/12/23

Analyst: THP

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1072211 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 486603

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 315847

Analysis: EPA 6010B

Lab ID: QC1072212

Prepared: 06/12/23

Analyst: THP

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1072212 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	110.0	110	80-120	ug/ft2

Type: BSD

Batch#: 315847

Analysis: EPA 6010B

Lab ID: QC1072213

Prepared: 06/12/23

Analyst: THP

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1072213 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	109.3	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: 486610
Report Level: II
Report Date: 06/20/2023

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 #: 486610
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 06/09/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-AFRAME-C6E-MED-L3-UP-C6.5-HM-230609-P-CB	486610-001	06/09/23 08:10	Wipe
CLEAR-AFRAME-C6E-MED-L3-UP-C6.5-HM-230609-P-DUP-CB	486610-002	06/09/23 08:10	Wipe
CLEAR-AFRAME-C6E-MED-L3-UP-C6.5-HM-230609-L-CB	486610-003	06/09/23 08:10	Wipe
CLEAR-SCAF-Z4EAB-L7-230609-P	486610-004	06/09/23 08:10	Wipe
CLEAR-SCAF-Z4EAB-L7-230609-L	486610-005	06/09/23 08:10	Wipe
CLEAR-ENC-Z4EAB-L7-230609-P	486610-006	06/09/23 08:10	Wipe
CLEAR-ENC-Z4EAB-L7-230609-L	486610-007	06/09/23 08:10	Wipe
CLEAR-MEDBLANK-230609-P	486610-008	06/09/23 08:35	Wipe
CLEAR-MEDBLANK-230609-L	486610-009	06/09/23 08:35	Wipe

Case Narrative

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

Lab Job Number: 486610
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/09/23

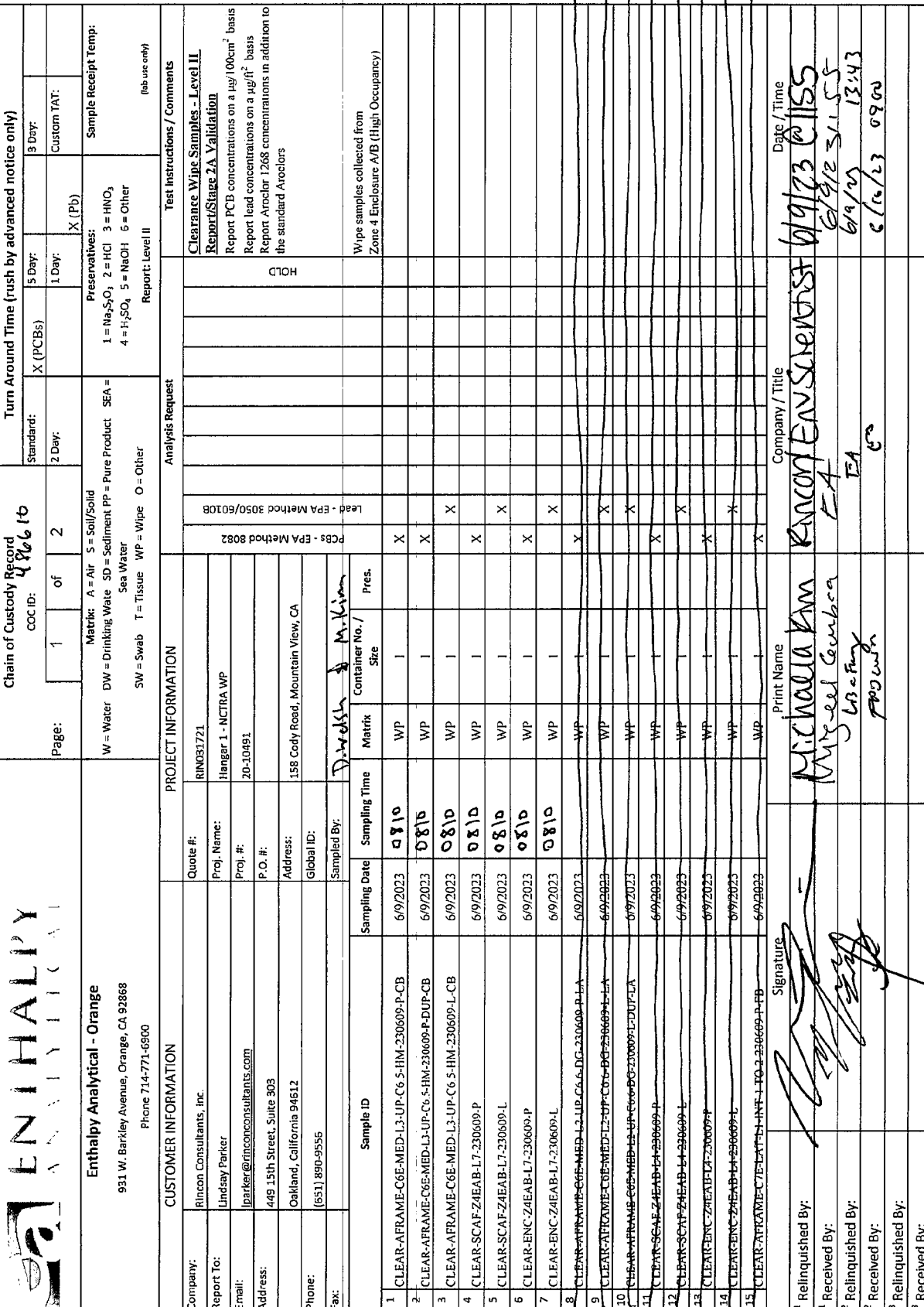
This data package contains sample and QC results for nine wipe samples, requested for the above referenced project on 06/12/23. The samples were received cold and intact.

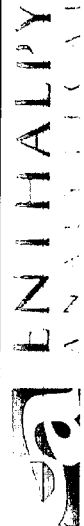
PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.





Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
COC ID: 48661b				Standard: X (PCBs) 5 Day: 1 Day: Custom TAT:			
Page: 2 of 2				Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other			
PROJECT INFORMATION				Analysis Request			
Quote #:	RIN031721	Proj. Name:	Hangar 1 - NCTRA WP	PCBs - EPA Method 8082			
Proj. #:	20-10491	P.O. #:		Lead - EPA Method 3050/6010B			
Address:	449 15th Street, Suite 303	Global ID:	158 Cody Road, Mountain View, CA	Wipe samples collected from Zone 4 Enclosure A/B (High Occupancy)			
Phone:	(651) 890-9556	Sampled By:	D. Welch & M. Kim	Report/Stage 2A Validation			
CUSTOMER INFORMATION				Test Instructions / Comments			
Company:	Rincon Consultants, Inc.	Sample ID		Clearance Wipe Samples - Level II			
Report To:	Lindsay Parker	Sampling Date	6/9/2023	Report PCB concentrations on a $\mu\text{g}/100\text{cm}^2$ basis			
Email:	parker@rinconconsultants.com	Container No. / Size	WP 1	Report lead concentrations on a $\mu\text{g}/\text{ft}^2$ basis			
Address:	449 15th Street, Suite 303	Matrix	WP	Report Aroclor 1268 concentrations in addition to the standard Aroclors			
Phone:	Oakland, California 94612	Pres.					
Fax:	(651) 890-9556						
16	CLEAR-APRAME-24EAB-LT-230609-L-RR	6/9/2023	WP				
17	CLEAR-SCAT-24EAB-LT-230609-P	6/9/2023	WP				
18	CLEAR-SCAT-24EAB-LT-230609-L	6/9/2023	WP				
19	CLEAR-ENC-24EAB-LT-230609-P	6/9/2023	WP				
20	CLEAR-ENC-24EAB-LT-230609-L	6/9/2023	WP				
21	CLEAR-MEDBLANK-230609-P	6/9/2023	WP				
22	CLEAR-MEDBLANK-230609-L	6/9/2023	WP				
23							
24							
25							
26							
27							
28							
29							
30							

Signature	Print Name	Company / Title	Date / Time
	Michael Kim	Rincon KVN Sidenberg	6/9/23 0155
	Michael Kim	EA	6/9/23 1158
	Michael Kim	EA	6/9/23 1343
	Michael Kim	EA	6/9/23 0900

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

SAMPLE RECEIPT CHECKLIST			
Section 1: Login # <u>486610</u>		Client: <u>Rincon</u>	
Date Received: <u>6/9/23</u>		Project: _____	
			
Section 2: Shipping info (if applicable) _____			
Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package			
☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None			
Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A			
Samples received in a cooler? ☒ Yes, how many? <u>1</u> ☐ No (skip Section 3 below)			
If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C			
☒ Samples received on ice directly from the field. Cooling process had begun			
If in cooler: Date Opened <u>6/9/23</u> By (print) <u>UEF</u> (sign) <u>[Signature]</u>			
Section 3: Important: Notify PM if temperature exceeds 6°C or arrive frozen.			
Packing in cooler: (if other, describe) _____			
☐ Bubble Wrap, ☐ Foam blocks, ☒ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels			
☒ Samples received on ice directly from the field. Cooling process had begun			
Type of ice used: ☒ Wet, ☐ Blue/Gel, ☐ None			
Temperature blank(s) included? ☐ Yes, ☐ No			
Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C			
Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____			
Section 4:			
Were custody papers dry, filled out properly, and the project identifiable	YES	NO	N/A
Were Method 5035 sampling containers present?	—	—	—
If YES, what time were they transferred to freezer? _____	—	—	—
Did all bottles arrive unbroken/unopened?	—	—	—
Are there any missing / extra samples?	—	—	—
Are samples in the appropriate containers for indicated tests?	—	—	—
Are sample labels present, in good condition and complete?	—	—	—
Does the container count match the COC?	—	—	—
Do the sample labels agree with custody papers?	—	—	—
Was sufficient amount of sample sent for tests requested?	—	—	—
Did you change the hold time in LIMS for unpreserved VOAs?	—	—	—
Did you change the hold time in LIMS for preserved terracores?	—	—	—
Are bubbles > 6mm present in VOA samples?	—	—	—
Was the client contacted concerning this sample delivery?	—	—	—
If YES, who was called? _____ By _____ Date: _____	—	—	—
Section 5:			
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)	YES	NO	N/A
Did you check preservatives for all bottles for each sample?	—	—	—
Did you document your preservative check?	—	—	—
pH strip lot# _____, pH strip lot# _____, pH strip lot# _____			
Preservative added:			
☐ H2SO4 lot# _____	added to samples _____	on/at _____	
☐ HCL lot# _____	added to samples _____	on/at _____	
☐ HNO3 lot# _____	added to samples _____	on/at _____	
☐ NaOH lot# _____	added to samples _____	on/at _____	
Section 6:			
Explanations/Comments: _____			

Date Logged in 6/9/23 By (print) UEF furt (sign) [Signature]

Date Labeled 6/9/23 By (print) UEP (sign) [Signature]

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



ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 NTCRA

Date Received: 06/10/23

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: 3.6 #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: 2.2 #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

486610

Section 6

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

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

Project Manager's response: _____

Completed By: _____

Date: JUN 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 JUN 18:33

526 OAK 8931 9226



ONT

PC#
1 OF

DG
1
G

LOT WT
55 LB
(24.9 KG)

OAK WN 469 09 JUN 20:55

STN FLT DATE ETD LOT 01



PC ID: 0001
PC WT: 55LB

526 89319226 0001

S

2.2/3.6

Enthalpy Analytical - Orange Analytical Report

Lab #: 486610

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-AFRAME-C6E-MED-L3-UP-C6.5-HM-230609-P-CB

Batch#: 315855

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 8082

Lab ID: 486610-001

Received: 06/09/23

Analyst: MES

Matrix: Wipe

Prepared: 06/10/23

Diln Fac: 1.000

Analyzed: 06/13/23

486610-001 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
486610-001 Surrogate		%REC	Limits
TCMX (PCB)		60	19-121
Decachlorobiphenyl (PCB)		62	19-121

Field ID: CLEAR-AFRAME-C6E-MED-L3-UP-C6.5-HM-230609-P-DUP-CB

Batch#: 315855

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 8082

Lab ID: 486610-002

Received: 06/09/23

Analyst: MES

Matrix: Wipe

Prepared: 06/10/23

Diln Fac: 1.000

Analyzed: 06/13/23

486610-002 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486610-002 Surrogate		%REC	Limits
TCMX (PCB)		64	19-121
Decachlorobiphenyl (PCB)		68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486610	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z4EAB-L7-230609-P	Batch#: 315855	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/09/23	Analysis: EPA 8082
Lab ID: 486610-004	Received: 06/09/23	Analyst: MES
Matrix: Wipe	Prepared: 06/10/23	
Diln Fac: 1.000	Analyzed: 06/13/23	

486610-004 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
486610-004 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		70	19-121

Field ID: CLEAR-ENC-Z4EAB-L7-230609-P	Batch#: 315855	Prep: EPA 3546
Type: SAMPLE	Sampled: 06/09/23	Analysis: EPA 8082
Lab ID: 486610-006	Received: 06/09/23	Analyst: MES
Matrix: Wipe	Prepared: 06/10/23	
Diln Fac: 1.000	Analyzed: 06/13/23	

486610-006 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
486610-006 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		73	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486610

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-MEDBLANK-230609-P

Batch#: 315855

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 8082

Lab ID: 486610-008

Received: 06/09/23

Analyst: MES

Matrix: Wipe

Prepared: 06/10/23

Diln Fac: 1.000

Analyzed: 06/13/23

486610-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486610-008 Surrogate		%REC	Limits
TCMX (PCB)		66	19-121
Decachlorobiphenyl (PCB)		69	19-121

Type: BLANK

Batch#: 315855

Analysis: EPA 8082

Lab ID: QC1072232

Prepared: 06/10/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072232 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
QC1072232 Surrogate		%REC	Limits
TCMX (PCB)		66	19-121
Decachlorobiphenyl (PCB)		70	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 486610

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 315855

Analysis: EPA 8082

Lab ID: QC1072233

Prepared: 06/10/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072233 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.637	73	60-140	ug/100 cm2
Aroclor-1260	5.000	3.701	74	60-140	ug/100 cm2
QC1072233 Surrogate				%REC	Limits
TCMX (PCB)				65	19-121
Decachlorobiphenyl (PCB)				69	19-121

Type: BSD

Batch#: 315855

Analysis: EPA 8082

Lab ID: QC1072234

Prepared: 06/10/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072234 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.795	76	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	3.800	76	60-140	ug/100 cm2	3	20
QC1072234 Surrogate				%REC	Limits		
TCMX (PCB)				68	19-121		
Decachlorobiphenyl (PCB)				71	19-121		

Legend

RPD: Relative Percent Difference

Lead

Lab #: 486610

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-AFRAME-C6E-MED-L3-UP-C6.5-HM-230609-L-CB

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486610-003

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 1.000

Analyzed: 06/12/23

486610-003 Analyte	Result	RL	Units
Lead	120	0.25	ug/ft2

Field ID: CLEAR-SCAF-Z4EAB-L7-230609-L

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486610-005

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 10.00

Analyzed: 06/12/23

486610-005 Analyte	Result	RL	Units
Lead	1,300	2.5	ug/ft2

Field ID: CLEAR-ENC-Z4EAB-L7-230609-L

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486610-007

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 1.000

Analyzed: 06/12/23

486610-007 Analyte	Result	RL	Units
Lead	51	0.25	ug/ft2

Field ID: CLEAR-MEDBLANK-230609-L

Batch#: 315847

Prep: EPA 3050B

Type: SAMPLE

Sampled: 06/09/23

Analysis: EPA 6010B

Lab ID: 486610-009

Received: 06/09/23

Analyst: THP

Matrix: Wipe

Prepared: 06/12/23

Diln Fac: 1.000

Analyzed: 06/12/23

486610-009 Analyte	Result	RL	Units
Lead	0.28	0.25	ug/ft2

Type: BLANK

Batch#: 315847

Analysis: EPA 6010B

Lab ID: QC1072211

Prepared: 06/12/23

Analyst: THP

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1072211 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 486610

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 315847

Analysis: EPA 6010B

Lab ID: QC1072212

Prepared: 06/12/23

Analyst: THP

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1072212 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	110.0	110	80-120	ug/ft2

Type: BSD

Batch#: 315847

Analysis: EPA 6010B

Lab ID: QC1072213

Prepared: 06/12/23

Analyst: THP

Matrix: Wipe

Analyzed: 06/12/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1072213 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	109.3	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: 486703
Report Level: II
Report Date: 06/21/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 - NTCRA WP

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 #: 486703
 Project No: 20-10491
 Location: Hangar 1 - NTCRA WP
 Date Received: 06/12/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-AFRAME-C6E-MED-L2-UP-C6.6-DG-230612-P-LA	486703-001	06/12/23 09:40	Wipe
CLEAR-AFRAME-C6E-MED-L2-UP-C6.6-DG-230612-L-LA	486703-002	06/12/23 09:40	Wipe
CLEAR-AFRAME-C6E-MED-L2-UP-C6.6-DG-230612-L-DUP-LA	486703-003	06/12/23 09:40	Wipe
CLEAR-SCAF-Z4EAB-L4-230612-P	486703-004	06/12/23 09:40	Wipe
CLEAR-SCAF-Z4EAB-L4-230612-L	486703-005	06/12/23 09:40	Wipe
CLEAR-ENC-Z4EAB-L4-230612-P	486703-006	06/12/23 09:40	Wipe
CLEAR-ENC-Z4EAB-L4-230612-L	486703-007	06/12/23 09:40	Wipe
CLEAR-AFRAME-C7E-LAT-L1-INT-1 TO 2-230612-P-FB	486703-008	06/12/23 09:05	Wipe
CLEAR-AFRAME-C7E-LAT-L1-INT-1 TO 2-230612-L-FB	486703-009	06/12/23 09:05	Wipe
CLEAR-SCAF-Z4EAB-L1-230612-P	486703-010	06/12/23 09:20	Wipe
CLEAR-SCAF-Z4EAB-L1-230612-L	486703-011	06/12/23 09:20	Wipe
CLEAR-ENC-Z4EAB-L1-230612-P	486703-012	06/12/23 09:20	Wipe
CLEAR-ENC-Z4EAB-L1-230612-L	486703-013	06/12/23 09:20	Wipe

Case Narrative

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

Lab Job Number: 486703
Project No: 20-10491
Location: Hangar 1 - NTCRA WP
Date Received: 06/12/23

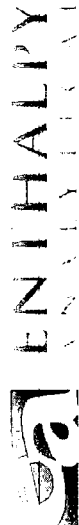
This data package contains sample and QC results for thirteen wipe samples, requested for the above referenced project on 06/13/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

- Lead was detected above the RL in the method blank for batch 316004; this analyte was detected in samples at a level at least 10 times that of the blank.
- No other analytical problems were encountered.



Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92668
Phone 714-771-6900

Chain of Custody Record

Page: 1	of 1	Turn Around Time (rush by advanced notice only)			
		Standard: X (PCBs)	5 Day:	3 Day:	Custom TAT:
COC ID:		2 Day:	1 Day:	Sample Receipt Temp:	
Matrix: A = Air S = Soil/Solid		Preservatives:		Report: Level II	
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		(lab use only)	
SW = Swab T = Tissue WP = Wipe O = Other		4 = H ₂ SO ₄ 5 = NaOH 6 = Other			

CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request				Test Instructions / Comments			
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721	Proj. Name:	Hangar 1 - NCTRA WP	Lead - EPA Method 3050/6010B	PCBs - EPA Method 8082								Clearance Wipe Samples - Level II
Report To:	Lindsay Parker	Proj. #:	20-10491	P.O. #:											Report/Stage 2A Validation
Email:	lparker@rinconconsultants.com	Address:	449 15th Street, Suite 303	Global ID:	158 Cody Road, Mountain View, CA										Report PCB concentrations on a µg/100cm ² basis
Phone:	(651) 890-9556	Sampled By:	D. W. W. W.												Report lead concentrations on a µg/ft ² basis
Fax:															Report Aroclor 1268 concentrations in addition to the standard Aroclors

Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	Analysis Request	Test Instructions / Comments
1 CLEAR-AFRAME-C6E-MED-L2-UP-C6-6-DG-230612-P-LA	6/12/2023	0940	WP	1		X			Wipe samples collected from Zone 4 Enclosure A/B (High Occupancy)
2 CLEAR-AFRAME-C6E-MED-L2-UP-C6-6-DG-230612-L-LA	6/12/2023	0940	WP	1		X			
3 CLEAR-AFRAME-C6E-MED-L2-UP-C6-6-DG-230612-L-DUP-LA	6/12/2023	0940	WP	1		X			
4 CLEAR-SCAF-Z4EAB-L4-230612-P	6/12/2023	0940	WP	1		X			
5 CLEAR-SCAF-Z4EAB-L4-230612-L	6/12/2023	0940	WP	1		X			
6 CLEAR-ENC-Z4EAB-L4-230612-P	6/12/2023	0940	WP	1		X			
7 CLEAR-ENC-Z4EAB-L4-230612-L	6/12/2023	0940	WP	1		X			
8 CLEAR-AFRAME-C7E-LAT-L1-INT-1 TO 2-230612-P-PB	6/12/2023	0905	WP	1		X			
9 CLEAR-AFRAME-C7E-LAT-L1-INT-1 TO 2-230612-L-PB	6/12/2023	0905	WP	1		X			
10 CLEAR-SCAF-Z4EAB-L1-230612-P	6/12/2023	0920	WP	1		X			
11 CLEAR-SCAF-Z4EAB-L1-230612-L	6/12/2023	0920	WP	1		X			
12 CLEAR-ENC-Z4EAB-L1-230612-P	6/12/2023	0920	WP	1		X			
13 CLEAR-ENC-Z4EAB-L1-230612-L	6/12/2023	0920	WP	1		X			
14									
15									

Signature	Print Name	Company / Title	Date / Time
	Tyler Sinnott	Envi. Scientist / Partner	6/12/23 / 1440
	Lindsay Parker	Enthalpy "	6/12/23 / 1440
	D. W. W. W.	Enthalpy "	6/12/23 / 16:17
	D. W. W. W.	Enthalpy "	6/12/23 / 16:17
	D. W. W. W.	Enthalpy "	6/12/23 / 16:44
	D. W. W. W.	Enthalpy "	6/12/23 / 0917

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 6/12/23 Login # 486703 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: 6/12/23 # of seals 1 ☒ Signature ☐ Initials

Section 3: Condition / Packaging

Important: Notify PM if temperature exceeds 6°C or arrive frozen

Date Opened 6/12/23 By (print) my (sign) _____

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

If no cooler: Sample Temp (°C): _____

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

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

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

Section 4: Containers / Labels / Samples

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

Section 5: Preservatives

	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)	☐	☐	☐
Did any samples / containers require preservation upon receipt?	☐	☐	☐
Did you document your preservative check in the bench book?	☐	☐	☐
Preservative added:			
☐ H2SO4 lot# _____ added to samples _____ Date/Time _____			
☐ HCL lot# _____ added to samples _____ Date/Time _____			
☐ HNO3 lot# _____ added to samples _____ Date/Time _____			
☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____			

Section 6: Explanations / Comments

Date Logged 6/12/23 By (print) my (sign) _____
 Date Labeled 6/12/23 By (print) my (sign) _____

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



SAMPLE ACCEPTANCE CHECKLIST

Section 1
 Client: Rincon Consultants Project: Hangar 1 - NTCRA WP
 Date Received: 06/13/23 Sampler's Name Present: ☒ Yes ☐ No

Section 2
 Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
 Sample Temp (°C), One from each cooler: #1: 3.1 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
 Shipping Information: Southwest Airlines

Section 3
 Was the cooler packed with: ☒ Ice ☒ Ice Packs ☐ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
 Cooler Temp (°C): #1: 2.3 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

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

Completed By: [Signature] Date: 6/13/23

SOUTHWEST AIRLINES

Printed on:
12 JUN 18:41

526 OAK 8937 9990



SNA

PC#
3 OF

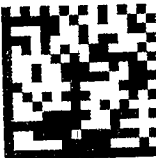
3

DG
G

LOT WT
75 LB
(33.9 KG)

OAK WN 3564 12 JUN 20:20

STN FLT DATE ETD LOT 01



PC ID: 0003
PC WT: 25LB

526 89379990 0003

S

@ 9-17

2.3 / 3.1

Enthalpy Analytical - Orange Analytical Report

Lab #: 486703

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Field ID: CLEAR-AFRAME-C6E-MED-L2-UP-C6.6-DG-230612-P-LA

Batch#: 316082

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/12/23

Analysis: EPA 8082

Lab ID: 486703-001

Received: 06/12/23

Analyst: MES

Matrix: Wipe

Prepared: 06/14/23

Diln Fac: 1.000

Analyzed: 06/14/23

486703-001 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
486703-001 Surrogate		%REC	Limits
TCMX (PCB)		53	19-121
Decachlorobiphenyl (PCB)		60	19-121

Field ID: CLEAR-SCAF-Z4EAB-L4-230612-P

Batch#: 316082

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/12/23

Analysis: EPA 8082

Lab ID: 486703-004

Received: 06/12/23

Analyst: MES

Matrix: Wipe

Prepared: 06/14/23

Diln Fac: 1.000

Analyzed: 06/14/23

486703-004 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
486703-004 Surrogate		%REC	Limits
TCMX (PCB)		56	19-121
Decachlorobiphenyl (PCB)		68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486703

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Field ID: CLEAR-ENC-Z4EAB-L4-230612-P

Batch#: 316082

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/12/23

Analysis: EPA 8082

Lab ID: 486703-006

Received: 06/12/23

Analyst: MES

Matrix: Wipe

Prepared: 06/14/23

Diln Fac: 1.000

Analyzed: 06/14/23

486703-006 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
486703-006 Surrogate		%REC	Limits
TCMX (PCB)		54	19-121
Decachlorobiphenyl (PCB)		63	19-121

Field ID: CLEAR-AFRAME-C7E-LAT-L1-INT-1 TO 2-230612-P-FB

Batch#: 316082

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/12/23

Analysis: EPA 8082

Lab ID: 486703-008

Received: 06/12/23

Analyst: MES

Matrix: Wipe

Prepared: 06/14/23

Diln Fac: 1.000

Analyzed: 06/14/23

486703-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486703-008 Surrogate		%REC	Limits
TCMX (PCB)		57	19-121
Decachlorobiphenyl (PCB)		66	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486703

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Field ID: CLEAR-SCAF-Z4EAB-L1-230612-P

Batch#: 316082

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/12/23

Analysis: EPA 8082

Lab ID: 486703-010

Received: 06/12/23

Analyst: MES

Matrix: Wipe

Prepared: 06/14/23

Diln Fac: 1.000

Analyzed: 06/14/23

486703-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486703-010 Surrogate		%REC	Limits
TCMX (PCB)		60	19-121
Decachlorobiphenyl (PCB)		72	19-121

Field ID: CLEAR-ENC-Z4EAB-L1-230612-P

Batch#: 316082

Prep: EPA 3546

Type: SAMPLE

Sampled: 06/12/23

Analysis: EPA 8082

Lab ID: 486703-012

Received: 06/12/23

Analyst: MES

Matrix: Wipe

Prepared: 06/14/23

Diln Fac: 1.000

Analyzed: 06/14/23

486703-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
486703-012 Surrogate		%REC	Limits
TCMX (PCB)		51	19-121
Decachlorobiphenyl (PCB)		60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 486703

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Type: BLANK

Batch#: 316082

Analysis: EPA 8082

Lab ID: QC1072986

Prepared: 06/14/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/14/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072986 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
QC1072986 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		89	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 486703

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Type: BS

Batch#: 316082

Analysis: EPA 8082

Lab ID: QC1072987

Prepared: 06/14/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/14/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072987 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.286	86	60-140	ug/100 cm2
Aroclor-1260	5.000	4.910	98	60-140	ug/100 cm2
QC1072987 Surrogate			%REC	Limits	
TCMX (PCB)			78	19-121	
Decachlorobiphenyl (PCB)			97	19-121	

Type: BSD

Batch#: 316082

Analysis: EPA 8082

Lab ID: QC1072988

Prepared: 06/14/23

Analyst: MES

Matrix: Wipe

Analyzed: 06/14/23

Diln Fac: 1.000

Prep: EPA 3546

QC1072988 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.150	83	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	4.925	98	60-140	ug/100 cm2	0	20
QC1072988 Surrogate			%REC	Limits			
TCMX (PCB)			76	19-121			
Decachlorobiphenyl (PCB)			100	19-121			

Legend

RPD: Relative Percent Difference

Lead

Lab #: 486703		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 - NTCRA WP	
Field ID: CLEAR-AFRAME-C6E-MED-L2-UP-C6.6-DG-230612-L-LA	Batch#: 316004	Prep: METHOD	
Type: SAMPLE	Sampled: 06/12/23	Analysis: EPA 6010B	
Lab ID: 486703-002	Received: 06/12/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/14/23		
Diln Fac: 1.000	Analyzed: 06/14/23		
486703-002 Analyte		Result	RL Units
Lead		150	0.25 ug/ft2
Field ID: CLEAR-AFRAME-C6E-MED-L2-UP-C6.6-DG-230612-L-DUP-LA	Batch#: 316004	Prep: METHOD	
Type: SAMPLE	Sampled: 06/12/23	Analysis: EPA 6010B	
Lab ID: 486703-003	Received: 06/12/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/14/23		
Diln Fac: 1.000	Analyzed: 06/14/23		
486703-003 Analyte		Result	RL Units
Lead		130	0.25 ug/ft2
Field ID: CLEAR-SCAF-Z4EAB-L4-230612-L	Batch#: 316004	Prep: METHOD	
Type: SAMPLE	Sampled: 06/12/23	Analysis: EPA 6010B	
Lab ID: 486703-005	Received: 06/12/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/14/23		
Diln Fac: 1.000	Analyzed: 06/14/23		
486703-005 Analyte		Result	RL Units
Lead		360	0.25 ug/ft2
Field ID: CLEAR-ENC-Z4EAB-L4-230612-L	Batch#: 316004	Prep: METHOD	
Type: SAMPLE	Sampled: 06/12/23	Analysis: EPA 6010B	
Lab ID: 486703-007	Received: 06/12/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/14/23		
Diln Fac: 1.000	Analyzed: 06/14/23		
486703-007 Analyte		Result	RL Units
Lead		50	0.25 ug/ft2
Field ID: CLEAR-AFRAME-C7E-LAT-L1-INT-1 TO 2-230612-L-FB	Batch#: 316004	Prep: METHOD	
Type: SAMPLE	Sampled: 06/12/23	Analysis: EPA 6010B	
Lab ID: 486703-009	Received: 06/12/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/14/23		
Diln Fac: 1.000	Analyzed: 06/14/23		
486703-009 Analyte		Result	RL Units
Lead		21	0.25 ug/ft2

Lead

Lab #: 486703	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 - NTCRA WP	
Field ID: CLEAR-SCAF-Z4EAB-L1-230612-L	Batch#: 316004	Prep: METHOD
Type: SAMPLE	Sampled: 06/12/23	Analysis: EPA 6010B
Lab ID: 486703-011	Received: 06/12/23	Analyst: SBW
Matrix: Wipe	Prepared: 06/14/23	
Diln Fac: 1.000	Analyzed: 06/14/23	

486703-011 Analyte	Result	RL	Units
Lead	160	0.25	ug/ft2

Field ID: CLEAR-ENC-Z4EAB-L1-230612-L	Batch#: 316004	Prep: METHOD
Type: SAMPLE	Sampled: 06/12/23	Analysis: EPA 6010B
Lab ID: 486703-013	Received: 06/12/23	Analyst: SBW
Matrix: Wipe	Prepared: 06/14/23	
Diln Fac: 1.000	Analyzed: 06/14/23	

486703-013 Analyte	Result	RL	Units
Lead	10	0.25	ug/ft2

Type: BLANK	Batch#: 316004	Analysis: EPA 6010B
Lab ID: QC1072754	Prepared: 06/14/23	Analyst: SBW
Matrix: Wipe	Analyzed: 06/14/23	
Diln Fac: 1.000	Prep: METHOD	

QC1072754 Analyte	Result	RL	Units
Lead	0.27	0.25	ug/ft2

Legend
 RL: Reporting Limit

Lead: Batch QC

Lab #: 486703

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Type: BS

Batch#: 316004

Analysis: EPA 6010B

Lab ID: QC1072755

Prepared: 06/14/23

Analyst: SBW

Matrix: Wipe

Analyzed: 06/14/23

Diln Fac: 1.000

Prep: METHOD

QC1072755 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	102.3	102	80-120	ug/ft2

Type: BSD

Batch#: 316004

Analysis: EPA 6010B

Lab ID: QC1072756

Prepared: 06/14/23

Analyst: SBW

Matrix: Wipe

Analyzed: 06/14/23

Diln Fac: 1.000

Prep: METHOD

QC1072756 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	99.71	100	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: 486786
Report Level: II
Report Date: 06/15/2023

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 #: 486786
 Project No: 20-10491
 Location: Hangar 1 NTCRA
 Date Received: 06/13/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-SCAF-Z4EAB-L26-230613-L	486786-001	06/13/23 11:55	Wipe
CLEAR-SCAF-Z4EAB-L23-230613-L	486786-002	06/13/23 12:05	Wipe
CLEAR-SCAF-Z4EAB-L14-230613-L	486786-003	06/13/23 12:15	Wipe
CLEAR-ENC-Z4EAB-L14-230613-L	486786-004	06/13/23 12:15	Wipe
CLEAR-ARCH-C6E-EXT-7 TO 8-230613-L-WF	486786-005	06/13/23 12:25	Wipe
CLEAR-ARCH-C6E-EXT-7 TO 8-230613-L-DUP-WF	486786-006	06/13/23 12:25	Wipe
CLEAR-SCAF-Z4EAB-L11-230613-L	486786-007	06/13/23 12:25	Wipe
CLEAR-ENC-Z4EAB-L11-230613-L	486786-008	06/13/23 12:25	Wipe
CLEAR-SCAF-Z4EAB-L9-230613-L	486786-009	06/13/23 12:45	Wipe
CLEAR-ENC-Z4EAB-L9-230613-L	486786-010	06/13/23 12:45	Wipe
CLEAR-SCAF-Z4EAB-L7-230613-L	486786-011	06/13/23 12:55	Wipe

Case Narrative

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

Lab Job Number: 486786
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 06/13/23

This data package contains sample and QC results for eleven wipe samples, requested for the above referenced project on 06/14/23. The samples were received cold and intact.

Metals (EPA 6010B):

No analytical problems were encountered.

486786

[illegible]

SAMPLE RECEIPT CHECKLIST



Section 1: General Info

Date Received: 6/13/23 Login # 486786 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: 6/13/23 # of seals 1 ☐ Signature ☒ Initials

Section 3: Condition / Packaging

Important: Notify PM if temperature exceeds 6°C or arrive frozen

Date Opened 6/13/23 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: _____ #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 6/13/23 By (print) my (sign) [Signature]

Date Labeled 6/13/23 By (print) my (sign) [Signature]



ENTHALPY
ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA
Date Received: 6/14/2023 Sampler's Name Present: ☒ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☒ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler) : _____
Sample Temp (°C), One from each cooler: #1: 2.4 #2: _____ #3: _____ #4: _____
(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)
Shipping Information: Southwest

Section 3

Was the cooler packed with: ☒ Ice ☒ Ice Packs ☒ Bubble Wrap ☐ Styrofoam
☐ Paper ☐ None ☐ Other _____
Cooler Temp (°C): #1: 1.2 #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

{486786}

Section 6

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

Completed By: [Signature] Date: 6/14/2023

AMPER
VIDENT
TAPE

C/1.2
S/2.4

11.30 am

SOUTHWEST AIRLINES

Printed on:
13 JUN 19:13

526 OAK 8941 9315



SNA

PC#
1 OF 6

6 G

210 LB
(95.4 KG)

OAK WN 776 14 JUN 08:25

STN FLT DATE ETD LOT 01

EVIDE
TAP



PC ID: 0001
PC WT: 35LB

526 89419315 0001

S

Lead

Lab #: 486786		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z4EAB-L26-230613-L	Batch#: 316124	Prep: METHOD	
Type: SAMPLE	Sampled: 06/13/23	Analysis: EPA 6010B	
Lab ID: 486786-001	Received: 06/13/23	Analyst: SBW	
Matrix: Wipe	Prepared: 06/14/23		
Diln Fac: 1.000	Analyzed: 06/14/23		
486786-001 Analyte		Result	RL Units
Lead		3.4	0.25 ug/ft2
Field ID: CLEAR-SCAF-Z4EAB-L23-230613-L		Batch#: 316124	Prep: METHOD
Type: SAMPLE		Sampled: 06/13/23	Analysis: EPA 6010B
Lab ID: 486786-002		Received: 06/13/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/23	
Diln Fac: 1.000		Analyzed: 06/14/23	
486786-002 Analyte		Result	RL Units
Lead		2.2	0.25 ug/ft2
Field ID: CLEAR-SCAF-Z4EAB-L14-230613-L		Batch#: 316124	Prep: METHOD
Type: SAMPLE		Sampled: 06/13/23	Analysis: EPA 6010B
Lab ID: 486786-003		Received: 06/13/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/23	
Diln Fac: 1.000		Analyzed: 06/14/23	
486786-003 Analyte		Result	RL Units
Lead		2.5	0.25 ug/ft2
Field ID: CLEAR-ENC-Z4EAB-L14-230613-L		Batch#: 316124	Prep: METHOD
Type: SAMPLE		Sampled: 06/13/23	Analysis: EPA 6010B
Lab ID: 486786-004		Received: 06/13/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/23	
Diln Fac: 1.000		Analyzed: 06/14/23	
486786-004 Analyte		Result	RL Units
Lead		0.68	0.25 ug/ft2
Field ID: CLEAR-ARCH-C6E-EXT-7 TO 8-230613-L-WF		Batch#: 316124	Prep: METHOD
Type: SAMPLE		Sampled: 06/13/23	Analysis: EPA 6010B
Lab ID: 486786-005		Received: 06/13/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/23	
Diln Fac: 1.000		Analyzed: 06/14/23	
486786-005 Analyte		Result	RL Units
Lead		9.5	0.25 ug/ft2

Lead

Lab #: 486786		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-C6E-EXT-7 TO 8-230613-L-DUP-WF		Batch#: 316124	Prep: METHOD
Type: SAMPLE		Sampled: 06/13/23	Analysis: EPA 6010B
Lab ID: 486786-006		Received: 06/13/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/23	
Diln Fac: 1.000		Analyzed: 06/14/23	
486786-006 Analyte		Result	RL Units
Lead		9.7	0.25 ug/ft2
Field ID: CLEAR-SCAF-Z4EAB-L11-230613-L		Batch#: 316124	Prep: METHOD
Type: SAMPLE		Sampled: 06/13/23	Analysis: EPA 6010B
Lab ID: 486786-007		Received: 06/13/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/23	
Diln Fac: 1.000		Analyzed: 06/14/23	
486786-007 Analyte		Result	RL Units
Lead		2.2	0.25 ug/ft2
Field ID: CLEAR-ENC-Z4EAB-L11-230613-L		Batch#: 316124	Prep: METHOD
Type: SAMPLE		Sampled: 06/13/23	Analysis: EPA 6010B
Lab ID: 486786-008		Received: 06/13/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/23	
Diln Fac: 1.000		Analyzed: 06/14/23	
486786-008 Analyte		Result	RL Units
Lead		1.5	0.25 ug/ft2
Field ID: CLEAR-SCAF-Z4EAB-L9-230613-L		Batch#: 316124	Prep: METHOD
Type: SAMPLE		Sampled: 06/13/23	Analysis: EPA 6010B
Lab ID: 486786-009		Received: 06/13/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/23	
Diln Fac: 1.000		Analyzed: 06/14/23	
486786-009 Analyte		Result	RL Units
Lead		120	0.25 ug/ft2
Field ID: CLEAR-ENC-Z4EAB-L9-230613-L		Batch#: 316124	Prep: METHOD
Type: SAMPLE		Sampled: 06/13/23	Analysis: EPA 6010B
Lab ID: 486786-010		Received: 06/13/23	Analyst: SBW
Matrix: Wipe		Prepared: 06/14/23	
Diln Fac: 1.000		Analyzed: 06/14/23	
486786-010 Analyte		Result	RL Units
Lead		2.0	0.25 ug/ft2

Lead

Lab #: 486786	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z4EAB-L7-230613-L	Batch#: 316124	Prep: METHOD
Type: SAMPLE	Sampled: 06/13/23	Analysis: EPA 6010B
Lab ID: 486786-011	Received: 06/13/23	Analyst: SBW
Matrix: Wipe	Prepared: 06/14/23	
Diln Fac: 1.000	Analyzed: 06/14/23	

486786-011 Analyte	Result	RL	Units
Lead	11	0.25	ug/ft2

Type: BLANK	Batch#: 316124	Analysis: EPA 6010B
Lab ID: QC1073143	Prepared: 06/14/23	Analyst: SBW
Matrix: Wipe	Analyzed: 06/14/23	
Diln Fac: 1.000	Prep: METHOD	

QC1073143 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 486786

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 316124

Analysis: EPA 6010B

Lab ID: QC1073144

Prepared: 06/14/23

Analyst: SBW

Matrix: Wipe

Analyzed: 06/14/23

Diln Fac: 1.000

Prep: METHOD

QC1073144 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	49.62	99	80-120	ug/ft2

Type: BSD

Batch#: 316124

Analysis: EPA 6010B

Lab ID: QC1073145

Prepared: 06/14/23

Analyst: SBW

Matrix: Wipe

Analyzed: 06/14/23

Diln Fac: 1.000

Prep: METHOD

QC1073145 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	50.28	101	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: 489460
Report Level: II
Report Date: 08/08/2023

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 #: 489460
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/31/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C7W-DG-2 TO 2.5-230731-P-FB	489460-001	07/31/23 12:35	Wipe
CLEAR-ARCH-C7W-DG-2 TO 2.5-230731-L-FB	489460-002	07/31/23 12:35	Wipe
CLEAR-SCAF-Z4ECD-L25-230731-P	489460-003	07/31/23 12:40	Wipe
CLEAR-SCAF-Z4ECD-L25-230731-L	489460-004	07/31/23 12:40	Wipe
CLEAR-ENC-Z4ECD-L25-230731-P	489460-005	07/31/23 12:45	Wipe
CLEAR-ENC-Z4ECD-L25-230731-L	489460-006	07/31/23 12:45	Wipe
CLEAR-FB-230731-P	489460-007	07/31/23 12:30	Wipe
CLEAR-FB-230731-L	489460-008	07/31/23 12:30	Wipe
CLEAR-MEDBLANK-230731-L	489460-009	07/31/23 13:50	Wipe

Case Narrative

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

Lab Job Number: 489460
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 07/31/23

This data package contains sample and QC results for nine wipe samples, requested for the above referenced project on 08/01/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

489460

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange		COC ID:		Standard:		3 Day:	
931 W. Barkley Avenue, Orange, CA 92668		Page: 1 of 1		2 Day:		Custom TAT:	
Phone 714-771-6900		Matrix: A = Air S = Soil/Solid		Preservatives:		Sample Receipt Temp:	
		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		(lab use only)	
		SW = Swab T = Tissue WP = Wipe O = Other		4 = H ₂ SO ₄ 5 = NaOH 6 = Other			
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request		Test Instructions / Comments	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721			Clearance Wipe Samples - Level II	
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP			Report/Stage 2A 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/ft ² basis	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA			Report Aroclor 1268 concentrations in addition to the standard Aroclors	
Phone:	(651) 890-9556	Global ID:				Wipe samples collected from Zone 4 Enclosure C/D (Low Occupancy)	
Fax:		Sampled By:	T. Sinnott				
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.		
1 CLEAR-ARCH-C7W-DG-2 TO 2.5-230731-L-FB	7/31/2023	1235	WP	1			
2 CLEAR-ARCH-C7W-DG-2 TO 2.5-230731-L-FB	7/31/2023	1235	WP	1			
3 CLEAR-SCAF-ZAECOD-L25-230731-P	7/31/2023	1240	WP	1			
4 CLEAR-SCAF-ZAECOD-L25-230731-L	7/31/2023	1240	WP	1			
5 CLEAR-ENC-ZAECOD-L25-230731-P	7/31/2023	1245	WP	1			
6 CLEAR-ENC-ZAECOD-L25-230731-L	7/31/2023	1245	WP	1			
7 CLEAR-FB-230731-P	7/31/2023	1230	WP	1			
8 CLEAR-FB-230731-L	7/31/2023	1230	WP	1			
9 CLEAR-MEDBLANK-230731-L	7/31/2023	1350	WP	1			
10							
11							
12							
13							
14							
15							
Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By: <i>T. Sinnott</i>	Tyler Sinnott	Rincon/Envi. Scientist	7/31/23	14:45			
1 Received By: <i>Lindsay Parker</i>	Lindsay Parker	ENTHALPY	7/31/23	14:45			
2 Relinquished By: <i>Lindsay Parker</i>	Lindsay Parker		7/31/23	15:50			
2 Received By: <i>Aracellys</i>	Aracellys	BA	7/31/23	15:50			
3 Relinquished By: <i>Aracellys</i>	Aracellys	BA	7/31/23	16:16			
3 Received By: <i>Aracellys</i>	Aracellys	BA	8/1/23	08:00			

SAMPLE RECEIPT CHECKLIST

Section 1: General Info

Date Received: 7/31/23 Login # 489460 Client: Rincon



Section 2: Shipping / Custody

Shipping Info: _____

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

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

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

Date Opened 7-31-23 By (print) ARM (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? _____ Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

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

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

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

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

Preservative added:

☐ H2SO4 lot#	added to samples	Date/Time
☐ HCL lot#	added to samples	Date/Time
☐ HNO3 lot#	added to samples	Date/Time
☐ CrVI Buffer lot#	added to samples	Date/Time

Section 6: Explanations / Comments

Date Logged 7/31/23 By (print) ARM

Date Labeled 7-31-23 By (print) ARM

(sign) [Signature]

(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

489460

SAMPLE ACCEPTANCE CHECKLIST

Section 1
Client: Rincon Consultants Project: Hangar 1 NTCRA
Date Received: 08/01/23 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: 1.2 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

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

Completed By: _____

Date:

AUG 01 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

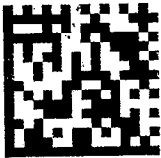
SOUTHWEST AIRLINES

Printed on:
31 JUL 18:02

526 OAK 9133 **5484** 

SNA		PC#	5
		OF	6
		DG	G
		LOT WT	235 LB
		(106.6 Kg)	
OAK	WN 2872	31 JUL	20:25
STN	FLT	DATE	ETD
		LOT 01	

1.2 / 2.3



PC ID: 0005
PC WT: 39LB

S

526 91335484 0005

Enthalpy Analytical - Orange Analytical Report

Lab #: 489460

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C7W-DG-2 TO 2.5-230731-P-FB

Batch#: 319441

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/31/23

Analysis: EPA 8082

Lab ID: 489460-001

Received: 07/31/23

Analyst: MES

Matrix: Wipe

Prepared: 08/02/23

Diln Fac: 1.000

Analyzed: 08/02/23

489460-001 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
489460-001 Surrogate		%REC	Limits
TCMX (PCB)		82	19-121
Decachlorobiphenyl (PCB)		76	19-121

Field ID: CLEAR-SCAF-Z4ECD-L25-230731-P

Batch#: 319441

Prep: EPA 3546

Type: SAMPLE

Sampled: 07/31/23

Analysis: EPA 8082

Lab ID: 489460-003

Received: 07/31/23

Analyst: MES

Matrix: Wipe

Prepared: 08/02/23

Diln Fac: 1.000

Analyzed: 08/02/23

489460-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489460-003 Surrogate		%REC	Limits
TCMX (PCB)		86	19-121
Decachlorobiphenyl (PCB)		74	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489460

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z4ECD-L25-230731-P

Type: SAMPLE

Lab ID: 489460-005

Matrix: Wipe

Diln Fac: 1.000

Batch#: 319441

Sampled: 07/31/23

Received: 07/31/23

Prepared: 08/02/23

Analyzed: 08/02/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

489460-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489460-005 Surrogate		%REC	Limits
TCMX (PCB)		85	19-121
Decachlorobiphenyl (PCB)		71	19-121

Field ID: CLEAR-FB-230731-P

Type: SAMPLE

Lab ID: 489460-007

Matrix: Wipe

Diln Fac: 1.000

Batch#: 319441

Sampled: 07/31/23

Received: 07/31/23

Prepared: 08/02/23

Analyzed: 08/02/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

489460-007 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
489460-007 Surrogate		%REC	Limits
TCMX (PCB)		86	19-121
Decachlorobiphenyl (PCB)		71	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489460

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 319441

Analysis: EPA 8082

Lab ID: QC1083873

Prepared: 08/02/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/02/23

Diln Fac: 1.000

Prep: EPA 3546

QC1083873 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

QC1083873 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	81	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489460

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 319441

Analysis: EPA 8082

Lab ID: QC1083874

Prepared: 08/02/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/03/23

Diln Fac: 1.000

Prep: EPA 3546

QC1083874 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.426	89	60-140	ug/100 cm2
Aroclor-1260	5.000	4.687	94	60-140	ug/100 cm2
QC1083874 Surrogate			%REC	Limits	
TCMX (PCB)			73	19-121	
Decachlorobiphenyl (PCB)			81	19-121	

Type: BSD

Batch#: 319441

Analysis: EPA 8082

Lab ID: QC1083875

Prepared: 08/02/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/03/23

Diln Fac: 1.000

Prep: EPA 3546

QC1083875 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.444	89	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	4.525	90	60-140	ug/100 cm2	4	20
QC1083875 Surrogate			%REC	Limits			
TCMX (PCB)			72	19-121			
Decachlorobiphenyl (PCB)			77	19-121			

Legend

RPD: Relative Percent Difference

Lead

Lab #: 489460		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-C7W-DG-2 TO 2.5-230731-L-FB		Batch#: 319368	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/31/23	Analysis: EPA 6010B
Lab ID: 489460-002		Received: 07/31/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/01/23	
Diln Fac: 1.000		Analyzed: 08/01/23	
489460-002 Analyte		Result	RL Units
Lead		26	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z4ECD-L25-230731-L		Batch#: 319368	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/31/23	Analysis: EPA 6010B
Lab ID: 489460-004		Received: 07/31/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/01/23	
Diln Fac: 1.000		Analyzed: 08/02/23	
489460-004 Analyte		Result	RL Units
Lead		190	0.50 ug/ft2
Field ID: CLEAR-ENC-Z4ECD-L25-230731-L		Batch#: 319368	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/31/23	Analysis: EPA 6010B
Lab ID: 489460-006		Received: 07/31/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/01/23	
Diln Fac: 1.000		Analyzed: 08/02/23	
489460-006 Analyte		Result	RL Units
Lead		23	0.50 ug/ft2
Field ID: CLEAR-FB-230731-L		Batch#: 319368	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/31/23	Analysis: EPA 6010B
Lab ID: 489460-008		Received: 07/31/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/01/23	
Diln Fac: 1.000		Analyzed: 08/02/23	
489460-008 Analyte		Result	RL Units
Lead		2.5	0.50 ug/ft2
Field ID: CLEAR-MEDBLANK-230731-L		Batch#: 319368	Prep: EPA 3050B
Type: SAMPLE		Sampled: 07/31/23	Analysis: EPA 6010B
Lab ID: 489460-009		Received: 07/31/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/01/23	
Diln Fac: 1.000		Analyzed: 08/02/23	
489460-009 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2

Lead

Lab #: 489460

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 319368

Analysis: EPA 6010B

Lab ID: QC1083631

Prepared: 08/01/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/01/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1083631 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 489460

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 319368

Analysis: EPA 6010B

Lab ID: QC1083632

Prepared: 08/01/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/01/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1083632 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	47.20	94	80-120	ug/ft2

Type: BSD

Batch#: 319368

Analysis: EPA 6010B

Lab ID: QC1083633

Prepared: 08/01/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/01/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1083633 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	46.92	94	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: 489568
Report Level: II
Report Date: 08/09/2023

Analytical Report *prepared for:*

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

Project: 20-10491 - Hangar 1 - NTCRA WP

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 #: 489568
 Project No: 20-10491
 Location: Hangar 1 - NTCRA WP
 Date Received: 08/02/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C6W-PS-3.5-230801-P-G	489568-001	08/01/23 07:10	Wipe
CLEAR-ARCH-C6W-PS-3.5-230801-L-G	489568-002	08/01/23 07:10	Wipe
CLEAR-SCAF-Z4ECD-L22-230801-P	489568-003	08/01/23 07:15	Wipe
CLEAR-SCAF-Z4ECD-L22-230801-L	489568-004	08/01/23 07:15	Wipe
CLEAR-ENC-Z4ECD-L22-230801-P	489568-005	08/01/23 07:20	Wipe
CLEAR-ENC-Z4ECD-L22-230801-L	489568-006	08/01/23 07:20	Wipe
CLEAR-ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230801-P-LA	489568-007	08/01/23 07:40	Wipe
CLEAR-ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230801-L-LA	489568-008	08/01/23 07:40	Wipe
CLEAR-SCAF-Z4ECD-L19-230801-P	489568-009	08/01/23 07:45	Wipe
CLEAR-SCAF-Z4ECD-L19-230801-L	489568-010	08/01/23 07:45	Wipe
CLEAR-ENC-Z4ECD-L19-30801-P	489568-011	08/01/23 07:50	Wipe
CLEAR-ENC-Z4ECD-L19-30801-L	489568-012	08/01/23 07:50	Wipe

Case Narrative

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

Lab Job Number: 489568
Project No: 20-10491
Location: Hangar 1 - NTCRA WP
Date Received: 08/02/23

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 08/02/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

 ENTHALPY ANALYTICAL				Chain of Custody Record COC ID: 489528				Turn Around Time (rush by advanced notice only)																			
Page: 1 of 1				Standard: X (PCBs)				5 Day:		3 Day:		Custom TAT:		X (Pb) same day turn around													
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				PCBs - EPA Method 8082 Lead - EPA Method 3050/6010B HOLD										Clearance Wipe Samples - Level II Report/Stage 2A Validation									
Report To: Lindsay Parker				Proj. Name: Hangar 1 - NCTRA WP														Report PCB concentrations on a µg/100cm ² basis									
Email: lparker@rinconconsultants.com				Proj. #: 20-10491														Report lead concentrations on a µg/ft ² basis									
Address: 449 15th Street, Suite 303 Oakland, California 94612				P.O. #: 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 4 Enclosure C/D (Low Occupancy)									
Fax:				Sampled By: D. Welsh																							
Sample ID				Sampling Date		Sampling Time		Matrix		Container No. / Size		Pres.															
1 CLEAR-ARCH-C6W-PS-3.5-230801-P-G				8/1/2023		0710		WP		I				X													
2 CLEAR-ARCH-C6W-PS-3.5-230801-L-G				8/1/2023		0710		WP		I				X										4x Rivet Type 1 = 0.0552 ft ²			
3 CLEAR-SCAF-Z4ECD-L22-230801-P				8/1/2023		0715		WP		I				X													
4 CLEAR-SCAF-Z4ECD-L22-230801-L				8/1/2023		0715		WP		I				X													
5 CLEAR-ENC-Z4ECD-L22-230801-P				8/1/2023		0720		WP		I				X													
6 CLEAR-ENC-Z4ECD-L22-230801-L				8/1/2023		0720		WP		I				X													
7 CLEAR-ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230801-P-LA				8/1/2023		0740		WP		I				X													
8 CLEAR-ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230801-L-LA				8/1/2023		0740		WP		I				X										1x Rivet Type 2 = 0.0100 ft ²			
9 CLEAR-SCAF-Z4ECD-L19-230801-P				8/1/2023		0745		WP		I				X													
10 CLEAR-SCAF-Z4ECD-L19-230801-L				8/1/2023		0745		WP		I				X													
11 CLEAR-ENC-Z4ECD-L19-230801-P				8/1/2023		0750		WP		I				X													
12 CLEAR-ENC-Z4ECD-L19-230801-L				8/1/2023		0750		WP		I				X													
13																											
14																											
15																											
Signature				Print Name				Company / Title				Date / Time															
1 Relinquished By: [Signature]				Donald Welsh				Rincon / Env. Sci.				8/1/23 0953															
1 Received By:				PPDWA				[Signature]				8/2/23 0737															
2 Relinquished By:																											
2 Received By:																											
3 Relinquished By:																											
3 Received By:																											



SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants, Inc.

Project: Hangar 1 - NCTRA WP

Date Received: 08/02/23

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: 46 #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: FedEx

Section 3

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

Cooler Temp (°C): #1: 23 #2: _____ #3: _____ #4: _____

Section 4

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By:  Date: 8/2/23

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

ORIGIN ID:NUQA (619) 977-6886
KERRY CAMPBELL
1935 W EL CAMINO REAL
MOUNTAIN VIEW, CA 94040
UNITED STATES US

TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE

ORANGE CA 92868

(510) 204-2233 REF: MOFFETT

PO 20-10491 DEPT:

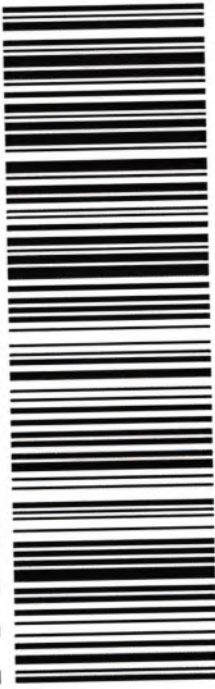


WED - 02 AUG 8:00A
FIRST OVERNIGHT

TRK# **7729 1396 7729**

92868
CA-US **SNA**

W1 APVA



After printing this label:
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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.

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Enthalpy Analytical - Orange Analytical Report

Lab #: 489568	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 - NTCRA WP	
Field ID: CLEAR-ARCH-C6W-PS-3.5-230801-P-G	Batch#: 319441	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/01/23	Analysis: EPA 8082
Lab ID: 489568-001	Received: 08/02/23	Analyst: MES
Matrix: Wipe	Prepared: 08/02/23	
Diln Fac: 1.000	Analyzed: 08/02/23	

489568-001 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
489568-001 Surrogate		%REC	Limits
TCMX (PCB)		84	19-121
Decachlorobiphenyl (PCB)		70	19-121

Field ID: CLEAR-SCAF-Z4ECD-L22-230801-P	Batch#: 319441	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/01/23	Analysis: EPA 8082
Lab ID: 489568-003	Received: 08/02/23	Analyst: MES
Matrix: Wipe	Prepared: 08/02/23	
Diln Fac: 1.000	Analyzed: 08/02/23	

489568-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489568-003 Surrogate		%REC	Limits
TCMX (PCB)		89	19-121
Decachlorobiphenyl (PCB)		73	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489568

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Field ID: CLEAR-ENC-Z4ECD-L22-230801-P

Batch#: 319441

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/01/23

Analysis: EPA 8082

Lab ID: 489568-005

Received: 08/02/23

Analyst: MES

Matrix: Wipe

Prepared: 08/02/23

Diln Fac: 1.000

Analyzed: 08/02/23

489568-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489568-005 Surrogate		%REC	Limits
TCMX (PCB)		81	19-121
Decachlorobiphenyl (PCB)		68	19-121

Field ID: CLEAR-ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230801-P-LA

Batch#: 319441

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/01/23

Analysis: EPA 8082

Lab ID: 489568-007

Received: 08/02/23

Analyst: MES

Matrix: Wipe

Prepared: 08/02/23

Diln Fac: 1.000

Analyzed: 08/02/23

489568-007 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
489568-007 Surrogate		%REC	Limits
TCMX (PCB)		84	19-121
Decachlorobiphenyl (PCB)		76	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489568

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Field ID: CLEAR-SCAF-Z4ECD-L19-230801-P

Batch#: 319441

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/01/23

Analysis: EPA 8082

Lab ID: 489568-009

Received: 08/02/23

Analyst: MES

Matrix: Wipe

Prepared: 08/02/23

Diln Fac: 1.000

Analyzed: 08/02/23

489568-009 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
489568-009 Surrogate		%REC	Limits
TCMX (PCB)		89	19-121
Decachlorobiphenyl (PCB)		78	19-121

Field ID: CLEAR-ENC-Z4ECD-L19-30801-P

Batch#: 319441

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/01/23

Analysis: EPA 8082

Lab ID: 489568-011

Received: 08/02/23

Analyst: MES

Matrix: Wipe

Prepared: 08/02/23

Diln Fac: 1.000

Analyzed: 08/02/23

489568-011 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
489568-011 Surrogate		%REC	Limits
TCMX (PCB)		81	19-121
Decachlorobiphenyl (PCB)		67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489568

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Type: BLANK

Batch#: 319441

Analysis: EPA 8082

Lab ID: QC1083873

Prepared: 08/02/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/02/23

Diln Fac: 1.000

Prep: EPA 3546

QC1083873 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
QC1083873 Surrogate		%REC	Limits
TCMX (PCB)		73	19-121
Decachlorobiphenyl (PCB)		81	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489568

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Type: BS

Batch#: 319441

Analysis: EPA 8082

Lab ID: QC1083874

Prepared: 08/02/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/03/23

Diln Fac: 1.000

Prep: EPA 3546

QC1083874 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.426	89	60-140	ug/100 cm2
Aroclor-1260	5.000	4.687	94	60-140	ug/100 cm2
QC1083874 Surrogate				%REC	Limits
TCMX (PCB)				73	19-121
Decachlorobiphenyl (PCB)				81	19-121

Type: BSD

Batch#: 319441

Analysis: EPA 8082

Lab ID: QC1083875

Prepared: 08/02/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/03/23

Diln Fac: 1.000

Prep: EPA 3546

QC1083875 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.444	89	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	4.525	90	60-140	ug/100 cm2	4	20
QC1083875 Surrogate				%REC	Limits		
TCMX (PCB)				72	19-121		
Decachlorobiphenyl (PCB)				77	19-121		

Legend

RPD: Relative Percent Difference

Lead

Lab #: 489568		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 - NTCRA WP	
Field ID: CLEAR-ARCH-C6W-PS-3.5-230801-L-G	Batch#: 319411	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/01/23	Analysis: EPA 6010B	
Lab ID: 489568-002	Received: 08/02/23	Analyst: SBW	
Matrix: Wipe	Prepared: 08/02/23		
Diln Fac: 1.000	Analyzed: 08/02/23		
489568-002 Analyte		Result	RL Units
Lead		65	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z4ECD-L22-230801-L	Batch#: 319411	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/01/23	Analysis: EPA 6010B	
Lab ID: 489568-004	Received: 08/02/23	Analyst: SBW	
Matrix: Wipe	Prepared: 08/02/23		
Diln Fac: 1.000	Analyzed: 08/02/23		
489568-004 Analyte		Result	RL Units
Lead		62	0.50 ug/ft2
Field ID: CLEAR-ENC-Z4ECD-L22-230801-L	Batch#: 319411	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/01/23	Analysis: EPA 6010B	
Lab ID: 489568-006	Received: 08/02/23	Analyst: SBW	
Matrix: Wipe	Prepared: 08/02/23		
Diln Fac: 1.000	Analyzed: 08/02/23		
489568-006 Analyte		Result	RL Units
Lead		1.8	0.50 ug/ft2
Field ID: CLEAR-ARCH-C7W-DG-4.5 TO 5-UP-C7.5-VS-230801-L-LA	Batch#: 319411	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/01/23	Analysis: EPA 6010B	
Lab ID: 489568-008	Received: 08/02/23	Analyst: SBW	
Matrix: Wipe	Prepared: 08/02/23		
Diln Fac: 1.000	Analyzed: 08/02/23		
489568-008 Analyte		Result	RL Units
Lead		90	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z4ECD-L19-230801-L	Batch#: 319411	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/01/23	Analysis: EPA 6010B	
Lab ID: 489568-010	Received: 08/02/23	Analyst: SBW	
Matrix: Wipe	Prepared: 08/02/23		
Diln Fac: 1.000	Analyzed: 08/02/23		
489568-010 Analyte		Result	RL Units
Lead		430	0.50 ug/ft2

Lead

Lab #: 489568	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 - NTCRA WP	
Field ID: CLEAR-ENC-Z4ECD-L19-30801-L	Batch#: 319411	Prep: EPA 3050B
Type: SAMPLE	Sampled: 08/01/23	Analysis: EPA 6010B
Lab ID: 489568-012	Received: 08/02/23	Analyst: SBW
Matrix: Wipe	Prepared: 08/02/23	
Diln Fac: 1.000	Analyzed: 08/02/23	

489568-012 Analyte	Result	RL	Units
Lead	2.6	0.50	ug/ft2

Type: BLANK	Batch#: 319411	Analysis: EPA 6010B
Lab ID: QC1083763	Prepared: 08/02/23	Analyst: SBW
Matrix: Wipe	Analyzed: 08/02/23	
Diln Fac: 1.000	Prep: EPA 3050B	

QC1083763 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 489568

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 - NTCRA WP

Type: BS

Batch#: 319411

Analysis: EPA 6010B

Lab ID: QC1083764

Prepared: 08/02/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/02/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1083764 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	47.80	96	80-120	ug/ft2

Type: BSD

Batch#: 319411

Analysis: EPA 6010B

Lab ID: QC1083765

Prepared: 08/02/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/02/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1083765 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	50.16	100	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: 489582
Report Level: II
Report Date: 08/10/2023

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 #: 489582
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/03/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230802-P-LA	489582-001	08/02/23 08:05	Wipe
CLEAR-ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230802-L-LA	489582-002	08/02/23 08:05	Wipe
CLEAR-ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230802-L-DUP	489582-003	08/02/23 08:05	Wipe
CLEAR-SCAF-Z4ECD-L16-230802-P	489582-004	08/02/23 08:05	Wipe
CLEAR-SCAF-Z4ECD-L16-230802-L	489582-005	08/02/23 08:05	Wipe
CLEAR-ENC-Z4ECD-L16-230802-P	489582-006	08/02/23 08:05	Wipe
CLEAR-ENC-Z4ECD-L16-230802-L	489582-007	08/02/23 08:05	Wipe
CLEAR-ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230802-P-LA	489582-008	08/02/23 08:30	Wipe
CLEAR-ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230802-L-LA	489582-009	08/02/23 08:30	Wipe
CLEAR-SCAF-Z4ECD-L14-230802-P	489582-010	08/02/23 08:35	Wipe
CLEAR-SCAF-Z4ECD-L14-230802-L	489582-011	08/02/23 08:35	Wipe
CLEAR-ENC-Z4ECD-L14-230802-P	489582-012	08/02/23 08:40	Wipe
CLEAR-ENC-Z4ECD-L14-230802-L	489582-013	08/02/23 08:40	Wipe
CLEAR-ARCH-C6W-PS-6.5-230802-P-G	489582-014	08/02/23 08:55	Wipe
CLEAR-ARCH-C6W-PS-6.5-230802-L-G	489582-015	08/02/23 08:55	Wipe
CLEAR-SCAF-Z4ECD-L12-230802-P	489582-016	08/02/23 09:00	Wipe
CLEAR-SCAF-Z4ECD-L12-230802-P-DUP	489582-017	08/02/23 09:00	Wipe
CLEAR-SCAF-Z4ECD-L12-230802-L	489582-018	08/02/23 09:00	Wipe
CLEAR-ENC-Z4ECD-L12-230802-P	489582-019	08/02/23 09:05	Wipe
CLEAR-ENC-Z4ECD-L12-230802-L	489582-020	08/02/23 09:05	Wipe

Case Narrative

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

Lab Job Number: 489582
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/03/23

This data package contains sample and QC results for twenty wipe samples, requested for the above referenced project on 08/03/23. The samples were received cold and intact.

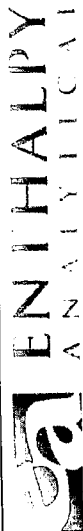
PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

ENTHALPY ANALYTICAL		Chain of Custody Record		Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange		COC ID: 489582		Standard: X (PCBs)		3 Day: X (Pb) same day turn around	
931 W. Barkley Avenue, Orange, CA 92668 Phone 714-771-6900		Page: 1 of 2		2 Day:		1 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		Report: Level II		Sample Receipt Temp: (lab use only)	
CUSTOMER INFORMATION		PROJECT INFORMATION		Analysis Request		Test Instructions / Comments	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721			Clearance Wipe Samples - Level II Report/Stage 2A Validation	
Report To:	Lindsay Parker	Proj. Name:	Hanger 1 - NCTRA WP			Report PCB concentrations on a µg/100cm ² basis	
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491			Report lead concentrations on a µg/ft ² basis	
Address:	449 15th Street, Suite 303	P.O. #:				Report Aroclor 1268 concentrations in addition to the standard Aroclors	
Phone:	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA			Wipe samples collected from 4 Enclosure C/D (Low Occupancy) Zone	
Fax:	(651) 890-9556	Global ID:					
Sample ID		Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	
1	CLEAR-ARCH-C6W-DG-5 TO 5-DN-C7-6-DG-230802-P-LA	8/2/2023	0805	WP	1		
2	CLEAR-ARCH-C7W-DG-5 TO 5-DN-C7-6-DG-230802-L-LA	8/2/2023	0805	WP	1		
3	CLEAR-ARCH-C7W-DG-5 TO 5-DN-C7-6-DG-230802-L-DUP-LA	8/2/2023	0805	WP	1		
4	CLEAR-SCAF-Z4ECD-L16-230802-P	8/2/2023	0805	WP	1		
5	CLEAR-SCAF-Z4ECD-L16-230802-L	8/2/2023	0805	WP	1		
6	CLEAR-ENC-Z4ECD-L16-230802-P	8/2/2023	0805	WP	1		
7	CLEAR-ENC-Z4ECD-L16-230802-L	8/2/2023	0805	WP	1		
8	CLEAR-ARCH-C6W-DG-6 TO 6-UP-C6-3-VS-230802-P-LA	8/2/2023	0830	WP	1		
9	CLEAR-ARCH-C6W-DG-6 TO 6-UP-C6-3-VS-230802-L-LA	8/2/2023	0830	WP	1		
10	CLEAR-SCAF-Z4ECD-L14-230802-P	8/2/2023	0835	WP	1		
11	CLEAR-SCAF-Z4ECD-L14-230802-L	8/2/2023	0835	WP	1		
12	CLEAR-ENC-Z4ECD-L14-230802-P	8/2/2023	0840	WP	1		
13	CLEAR-ENC-Z4ECD-L14-230802-L	8/2/2023	0840	WP	1		
14	CLEAR-ARCH-C6W-PS-6-5-230802-P-G	8/2/2023	0855	WP	1		
15	CLEAR-ARCH-C6W-PS-6-5-230802-L-G	8/2/2023	0855	WP	1		
Signature		Print Name		Company / Title		Date / Time	
1 Relinquished By: <i>[Signature]</i>		Donald Welsh		Rincon / Envir. Sci		8/2/23 1015	
2 Received By:		For Turn				8/3/23 0750	
2 Relinquished By:							
2 Received By:							
3 Relinquished By:							
3 Received By:							



Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92668
Phone 714-771-6900

Chain of Custody Record

COC ID: 489582

Page: 2

of 2

Turn Around Time (rush by advanced notice only)

Standard: X (PCBs) 5 Day: 1 Day: 3 Day: X (Pb) same day turn around
Custom TAT: 1 Day: 3 Day: X (Pb) same day turn around

Preservatives:
1 = Na₂S₂O₃ 2 = HCl 3 = HNO₃
4 = H₂SO₄ 5 = NaOH 6 = Other
Report: Level II data validation
Sample Receipt Temp: (lab use only)

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

PROJECT INFORMATION

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. W. W. W.

CUSTOMER INFORMATION

Company: Rincon Consultants, Inc.
Report To: Undsay Parker
Email: j.parker@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

HOLD
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/lit basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors
Wipe samples collected from 4 Enclosure C/D (Low Occupancy) Zone

Analysis Request

PCBs - EPA Method 8082
Lead - EPA Method 3050/6010B

Container No. / Size

Matrix

Pres.

Sampling Date

Sampling Time

Sample ID

Sample ID

Sample ID

Sample ID

Sample ID

Sample ID

Sample ID

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Sample ID

Sample ID

Sample ID

Sample ID

Signature

Print Name

Company / Title

Date / Time

Relinquished By:

Received By:

Relinquished By:

Received By:

The below sample checklist was completed after the samples were shipped by Rincon personnel 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>08/03/23</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>4.7</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: <u>FedEx</u>	

Section 3	
Was the cooler packed with: ☒ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☐ Other _____	
Cooler Temp (°C): #1: <u>2.2</u> #2: _____ #3: _____ #4: _____	

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

Section 5 Explanations/Comments

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

Completed By: [Signature] Date: 8/3/23

ORIGIN ID: NUQA (619) 977-6886
KERRY CAMPBELL
1935 W EL CAMINO REAL
MOUNTAIN VIEW, CA 94040
UNITED STATES US

SHIP DATE: 02AUG23
ACTWGT: 30.00 LB
CAD: 254485286/NET14640
DIMS: 23x13x14 IN
BILL SENDER

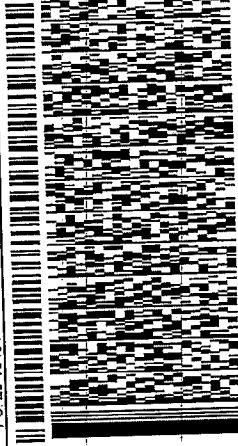
TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE

ORANGE CA 92868

REF: MOFFETT

(510) 204-2233
INV.
PO: 20-10491

DEPT:



THU - 03 AUG 8:00A
FIRST OVERNIGHT

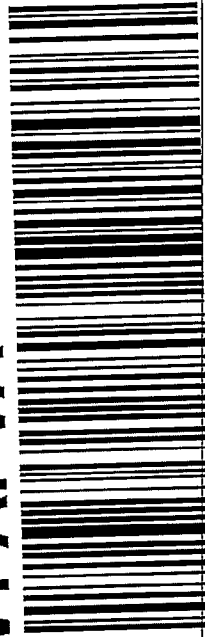
TRK# **7729 2913 8373**

0201

92868

CA-US SNA

W1 APVA



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.

2.2/4.7

Enthalpy Analytical - Orange Analytical Report

Lab #: 489582

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230802-P-LA

Batch#: 319554

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/02/23

Analysis: EPA 8082

Lab ID: 489582-001

Received: 08/03/23

Analyst: TJW

Matrix: Wipe

Prepared: 08/03/23

Diln Fac: 1.000

Analyzed: 08/03/23

489582-001 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
489582-001 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		86	19-121

Field ID: CLEAR-SCAF-Z4ECD-L16-230802-P

Batch#: 319554

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/02/23

Analysis: EPA 8082

Lab ID: 489582-004

Received: 08/03/23

Analyst: TJW

Matrix: Wipe

Prepared: 08/03/23

Diln Fac: 1.000

Analyzed: 08/03/23

489582-004 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
489582-004 Surrogate		%REC	Limits
TCMX (PCB)		77	19-121
Decachlorobiphenyl (PCB)		82	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489582	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-ENC-Z4ECD-L16-230802-P	Batch#: 319554	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/02/23	Analysis: EPA 8082
Lab ID: 489582-006	Received: 08/03/23	Analyst: TJW
Matrix: Wipe	Prepared: 08/03/23	
Diln Fac: 1.000	Analyzed: 08/03/23	

489582-006 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
489582-006 Surrogate		%REC	Limits
TCMX (PCB)		78	19-121
Decachlorobiphenyl (PCB)		78	19-121

Field ID: CLEAR-ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230802-P-LA	Batch#: 319554	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/02/23	Analysis: EPA 8082
Lab ID: 489582-008	Received: 08/03/23	Analyst: TJW
Matrix: Wipe	Prepared: 08/03/23	
Diln Fac: 1.000	Analyzed: 08/03/23	

489582-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489582-008 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		78	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489582	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z4ECD-L14-230802-P	Batch#: 319554	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/02/23	Analysis: EPA 8082
Lab ID: 489582-010	Received: 08/03/23	Analyst: TJW
Matrix: Wipe	Prepared: 08/03/23	
Diln Fac: 1.000	Analyzed: 08/03/23	

489582-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489582-010 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		79	19-121

Field ID: CLEAR-ENC-Z4ECD-L14-230802-P	Batch#: 319554	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/02/23	Analysis: EPA 8082
Lab ID: 489582-012	Received: 08/03/23	Analyst: TJW
Matrix: Wipe	Prepared: 08/03/23	
Diln Fac: 1.000	Analyzed: 08/03/23	

489582-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489582-012 Surrogate		%REC	Limits
TCMX (PCB)		76	19-121
Decachlorobiphenyl (PCB)		81	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489582	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-C6W-PS-6.5-230802-P-G	Batch#: 319554	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/02/23	Analysis: EPA 8082
Lab ID: 489582-014	Received: 08/03/23	Analyst: TJW
Matrix: Wipe	Prepared: 08/03/23	
Diln Fac: 1.000	Analyzed: 08/04/23	

489582-014 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
489582-014 Surrogate		%REC	Limits
TCMX (PCB)		82	19-121
Decachlorobiphenyl (PCB)		81	19-121

Field ID: CLEAR-SCAF-Z4ECD-L12-230802-P	Batch#: 319554	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/02/23	Analysis: EPA 8082
Lab ID: 489582-016	Received: 08/03/23	Analyst: TJW
Matrix: Wipe	Prepared: 08/03/23	
Diln Fac: 1.000	Analyzed: 08/04/23	

489582-016 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
489582-016 Surrogate		%REC	Limits
TCMX (PCB)		79	19-121
Decachlorobiphenyl (PCB)		76	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489582	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z4ECD-L12-230802-P-DUP	Batch#: 319554	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/02/23	Analysis: EPA 8082
Lab ID: 489582-017	Received: 08/03/23	Analyst: TJW
Matrix: Wipe	Prepared: 08/03/23	
Diln Fac: 1.000	Analyzed: 08/04/23	

489582-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489582-017 Surrogate		%REC	Limits
TCMX (PCB)		83	19-121
Decachlorobiphenyl (PCB)		83	19-121

Field ID: CLEAR-ENC-Z4ECD-L12-230802-P	Batch#: 319554	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/02/23	Analysis: EPA 8082
Lab ID: 489582-019	Received: 08/03/23	Analyst: TJW
Matrix: Wipe	Prepared: 08/03/23	
Diln Fac: 1.000	Analyzed: 08/04/23	

489582-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489582-019 Surrogate		%REC	Limits
TCMX (PCB)		78	19-121
Decachlorobiphenyl (PCB)		75	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489582

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 319554

Analysis: EPA 8082

Lab ID: QC1084215

Prepared: 08/03/23

Analyst: TJW

Matrix: Wipe

Analyzed: 08/03/23

Diln Fac: 1.000

Prep: EPA 3546

QC1084215 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
QC1084215 Surrogate		%REC	Limits
TCMX (PCB)		89	19-121
Decachlorobiphenyl (PCB)		97	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489582

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 319554

Analysis: EPA 8082

Lab ID: QC1084216

Prepared: 08/03/23

Analyst: TJW

Matrix: Wipe

Analyzed: 08/03/23

Diln Fac: 1.000

Prep: EPA 3546

QC1084216 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	6.054	121	60-140	ug/100 cm2
Aroclor-1260	5.000	6.450	129	60-140	ug/100 cm2
QC1084216 Surrogate				%REC	Limits
TCMX (PCB)				90	19-121
Decachlorobiphenyl (PCB)				102	19-121

Type: BSD

Batch#: 319554

Analysis: EPA 8082

Lab ID: QC1084217

Prepared: 08/03/23

Analyst: TJW

Matrix: Wipe

Analyzed: 08/03/23

Diln Fac: 1.000

Prep: EPA 3546

QC1084217 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.424	108	60-140	ug/100 cm2	11	20
Aroclor-1260	5.000	5.473	109	60-140	ug/100 cm2	16	20
QC1084217 Surrogate				%REC	Limits		
TCMX (PCB)				76	19-121		
Decachlorobiphenyl (PCB)				87	19-121		

Legend

RPD: Relative Percent Difference

Lead

Lab #: 489582		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230802-L-LA		Batch#: 319521	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/23	Analysis: EPA 6010B
Lab ID: 489582-002		Received: 08/03/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/23	
Diln Fac: 1.000		Analyzed: 08/03/23	
489582-002 Analyte		Result	RL Units
Lead		47	0.50 ug/ft2
Field ID: CLEAR-ARCH-C7W-DG-5 TO 5.5-DN-C7.6-DG-230802-L-DUP		Batch#: 319521	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/23	Analysis: EPA 6010B
Lab ID: 489582-003		Received: 08/03/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/23	
Diln Fac: 1.000		Analyzed: 08/03/23	
489582-003 Analyte		Result	RL Units
Lead		30	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z4ECD-L16-230802-L		Batch#: 319521	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/23	Analysis: EPA 6010B
Lab ID: 489582-005		Received: 08/03/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/23	
Diln Fac: 1.000		Analyzed: 08/03/23	
489582-005 Analyte		Result	RL Units
Lead		410	0.50 ug/ft2
Field ID: CLEAR-ENC-Z4ECD-L16-230802-L		Batch#: 319521	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/23	Analysis: EPA 6010B
Lab ID: 489582-007		Received: 08/03/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/23	
Diln Fac: 1.000		Analyzed: 08/03/23	
489582-007 Analyte		Result	RL Units
Lead		4.0	0.50 ug/ft2
Field ID: CLEAR-ARCH-C6W-DG-6 TO 6.5-UP-C6.3-VS-230802-L-LA		Batch#: 319521	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/23	Analysis: EPA 6010B
Lab ID: 489582-009		Received: 08/03/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/23	
Diln Fac: 1.000		Analyzed: 08/03/23	
489582-009 Analyte		Result	RL Units
Lead		120	0.50 ug/ft2

Lead

Lab #: 489582		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z4ECD-L14-230802-L	Batch#: 319521	Prep: EPA 3050B	
Type: SAMPLE	Sampled: 08/02/23	Analysis: EPA 6010B	
Lab ID: 489582-011	Received: 08/03/23	Analyst: SBW	
Matrix: Wipe	Prepared: 08/03/23		
Diln Fac: 1.000	Analyzed: 08/03/23		
489582-011 Analyte		Result	RL Units
Lead		130	0.50 ug/ft2
Field ID: CLEAR-ENC-Z4ECD-L14-230802-L		Batch#: 319521	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/23	Analysis: EPA 6010B
Lab ID: 489582-013		Received: 08/03/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/23	
Diln Fac: 1.000		Analyzed: 08/03/23	
489582-013 Analyte		Result	RL Units
Lead		6.7	0.50 ug/ft2
Field ID: CLEAR-ARCH-C6W-PS-6.5-230802-L-G		Batch#: 319521	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/23	Analysis: EPA 6010B
Lab ID: 489582-015		Received: 08/03/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/23	
Diln Fac: 1.000		Analyzed: 08/03/23	
489582-015 Analyte		Result	RL Units
Lead		14	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z4ECD-L12-230802-L		Batch#: 319521	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/23	Analysis: EPA 6010B
Lab ID: 489582-018		Received: 08/03/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/23	
Diln Fac: 1.000		Analyzed: 08/03/23	
489582-018 Analyte		Result	RL Units
Lead		140	0.50 ug/ft2
Field ID: CLEAR-ENC-Z4ECD-L12-230802-L		Batch#: 319521	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/02/23	Analysis: EPA 6010B
Lab ID: 489582-020		Received: 08/03/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/03/23	
Diln Fac: 1.000		Analyzed: 08/03/23	
489582-020 Analyte		Result	RL Units
Lead		20	0.50 ug/ft2

Lead

Lab #: 489582

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BLANK

Batch#: 319521

Analysis: EPA 6010B

Lab ID: QC1084075

Prepared: 08/03/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/03/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1084075 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

Lead: Batch QC

Lab #: 489582

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 319521

Analysis: EPA 6010B

Lab ID: QC1084076

Prepared: 08/03/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/03/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1084076 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	45.88	92	80-120	ug/ft2

Type: BSD

Batch#: 319521

Analysis: EPA 6010B

Lab ID: QC1084077

Prepared: 08/03/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/03/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1084077 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	44.50	89	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: 489825
Report Level: II
Report Date: 08/14/2023

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 #: 489825
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/07/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C7W-INT-7.5 TO 9-230804-P-WF	489825-001	08/04/23 09:30	Wipe
CLEAR-ARCH-C7W-INT-7.5 TO 9-230804-L-WF	489825-002	08/04/23 09:30	Wipe
CLEAR-SCAF-Z4ECD-L10-230804-P	489825-003	08/04/23 09:35	Wipe
CLEAR-SCAF-Z4ECD-L10-230804-L	489825-004	08/04/23 09:35	Wipe
CLEAR-ENC-Z4ECD-L10-230804-P	489825-005	08/04/23 09:40	Wipe
CLEAR-ENC-Z4ECD-L10-230804-L	489825-006	08/04/23 09:40	Wipe

Case Narrative

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

Lab Job Number: 489825
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/07/23

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 08/07/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

ENTHALPY ANALYTICAL				Chain of Custody Record				Turn Around Time (rush by advanced notice only)			
Enthalpy Analytical - Orange				COC ID: 489825				Standard: X (PCBs)			
931 W. Barkley Avenue, Orange, CA 92868				Page: 1 of 1				3 Day: X (Pb) same day turn around			
Phone 714-771-6900				Matrix: A = Air S = Soil/Solid				Sample Receipt Temp:			
				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			
								Report: Level II			
CUSTOMER INFORMATION				PROJECT INFORMATION				Analysis Request			
Company: Rincon Consultants, Inc.				QUOTE #: RINC01721				Clearance Wipe Samples - Level II			
Report To: Lindsay Parker				Proj. Name: Hangar 1 - NCTRA WP				Report/Stage 2A 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. #: 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: D. Welsh				Wipe samples collected from			
				Sampling Date				4 Enclosure CFD (Low Occupancy)			
				Sampling Time				Zone			
				Matrix							
				Container No. / Size							
				Pres.							
1 CLEAR-ARCH-CYW-INT-7.5 TO 9-230804-P-WF				8/4/2023 0930 WP 1				X			
2 CLEAR-ARCH-CYW-INT-7.5 TO 9-230804-L-WF				8/4/2023 0930 WP 1				X			
3 CLEAR-SCAF-Z4BCD-L10-230804-P				8/4/2023 0935 WP 1				X			
4 CLEAR-SCAF-Z4BCD-L10-230804-L				8/4/2023 0935 WP 1				X			
5 CLEAR-ENC-Z4BCD-L10-230804-P				8/4/2023 0940 WP 1				X			
6 CLEAR-ENC-Z4BCD-L10-230804-L				8/4/2023 0940 WP 1				X			
7											
8											
9											
10											
11											
12											
13											
14											
15											
Signature				Print Name				Company / Title			
1 Relinquished By: [Signature]				Donald Welsh				Rincon / Env. Sci.			
1 Received By:				[Signature]				8/14/23 1157			
2 Relinquished By:								8/17/23 0733			
2 Received By:											
3 Relinquished By:											
3 Received By:											

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

ENTHALPY
 ANALYTICAL
SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 08/07/23 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: 19.2 #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: FedEx

Section 3

Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam

☐ Paper ☐ None ☒ Other Ice water

Cooler Temp (°C): #1: 18.6 #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

Samples received out of acceptable temperature criteria.

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: 8/7/23

ORIGIN ID: NILJCA (919) 977-6886
KERRY CAMPBELL

1935 W EL CAMINO REAL

MOUNTAIN VIEW, CA 94040
UNITED STATES US

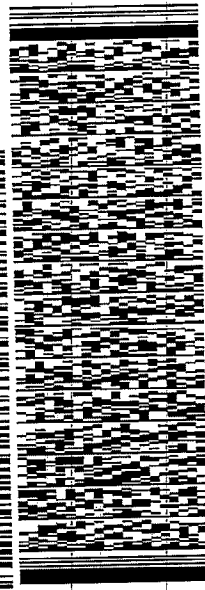
SHIP DATE: 04AUG23
ACTWGT: 30.00 LB
CAD: 254485286/NET4640
DIMS: 23x13x14 IN
BILL SENDER

TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE

ORANGE CA 92868

(510) 204-2233 REF: MOFFETT
INV.
PO: 20-10491 DEPT:

563J3/A140/9AE3

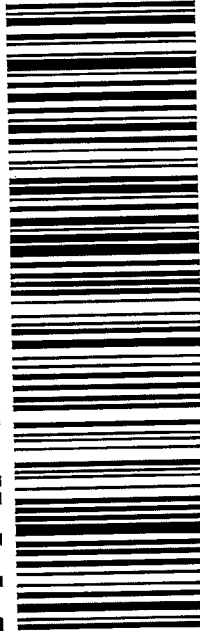


MON - 07 AUG 8:00A
FIRST OVERNIGHT

TRK# **7729 5805 2429**

92868
SNA
CA-US

W1 APVA



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.

18c/19-2

Enthalpy Analytical - Orange Analytical Report

Lab #: 489825

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C7W-INT-7.5 TO 9-230804-P-WF

Type: SAMPLE

Lab ID: 489825-001

Matrix: Wipe

Diln Fac: 1.000

Batch#: 319850

Sampled: 08/04/23

Received: 08/07/23

Prepared: 08/08/23

Analyzed: 08/08/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

489825-001 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
489825-001 Surrogate		%REC	Limits
TCMX (PCB)		68	19-121
Decachlorobiphenyl (PCB)		70	19-121

Field ID: CLEAR-SCAF-Z4ECD-L10-230804-P

Type: SAMPLE

Lab ID: 489825-003

Matrix: Wipe

Diln Fac: 1.000

Batch#: 319850

Sampled: 08/04/23

Received: 08/07/23

Prepared: 08/08/23

Analyzed: 08/08/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

489825-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489825-003 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		68	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489825

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z4ECD-L10-230804-P

Type: SAMPLE

Lab ID: 489825-005

Matrix: Wipe

Diln Fac: 1.000

Batch#: 319850

Sampled: 08/04/23

Received: 08/07/23

Prepared: 08/08/23

Analyzed: 08/08/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

489825-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489825-005 Surrogate		%REC	Limits
TCMX (PCB)		66	19-121
Decachlorobiphenyl (PCB)		69	19-121

Type: BLANK

Lab ID: QC1085408

Matrix: Wipe

Diln Fac: 1.000

Batch#: 319850

Prepared: 08/08/23

Analyzed: 08/08/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

QC1085408 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
QC1085408 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		72	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489825

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 319850

Analysis: EPA 8082

Lab ID: QC1085409

Prepared: 08/08/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/08/23

Diln Fac: 1.000

Prep: EPA 3546

QC1085409 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.860	77	60-140	ug/100 cm2
Aroclor-1260	5.000	4.157	83	60-140	ug/100 cm2
QC1085409 Surrogate				%REC	Limits
TCMX (PCB)				66	19-121
Decachlorobiphenyl (PCB)				75	19-121

Type: BSD

Batch#: 319850

Analysis: EPA 8082

Lab ID: QC1085410

Prepared: 08/08/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/08/23

Diln Fac: 1.000

Prep: EPA 3546

QC1085410 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.862	77	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	4.069	81	60-140	ug/100 cm2	2	20
QC1085410 Surrogate				%REC	Limits		
TCMX (PCB)				66	19-121		
Decachlorobiphenyl (PCB)				79	19-121		

Legend

RPD: Relative Percent Difference

Lead

Lab #: 489825		Project#: 20-10491	
Client: Rincon Consultants		Location: Hangar 1 NTCRA	
Field ID: CLEAR-ARCH-C7W-INT-7.5 TO 9-230804-L-WF		Batch#: 319737	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/04/23	Analysis: EPA 6010B
Lab ID: 489825-002		Received: 08/07/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/07/23	
Diln Fac: 1.000		Analyzed: 08/07/23	
489825-002 Analyte		Result	RL Units
Lead		51	0.50 ug/ft2
Field ID: CLEAR-SCAF-Z4ECD-L10-230804-L		Batch#: 319737	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/04/23	Analysis: EPA 6010B
Lab ID: 489825-004		Received: 08/07/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/07/23	
Diln Fac: 1.000		Analyzed: 08/07/23	
489825-004 Analyte		Result	RL Units
Lead		83	0.50 ug/ft2
Field ID: CLEAR-ENC-Z4ECD-L10-230804-L		Batch#: 319737	Prep: EPA 3050B
Type: SAMPLE		Sampled: 08/04/23	Analysis: EPA 6010B
Lab ID: 489825-006		Received: 08/07/23	Analyst: SBW
Matrix: Wipe		Prepared: 08/07/23	
Diln Fac: 1.000		Analyzed: 08/07/23	
489825-006 Analyte		Result	RL Units
Lead		4.4	0.50 ug/ft2
Type: BLANK		Batch#: 319737	Analysis: EPA 6010B
Lab ID: QC1084870		Prepared: 08/07/23	Analyst: SBW
Matrix: Wipe		Analyzed: 08/07/23	
Diln Fac: 1.000		Prep: EPA 3050B	
QC1084870 Analyte		Result	RL Units
Lead		ND	0.50 ug/ft2
Legend ND: Not Detected RL: Reporting Limit			

Lead: Batch QC

Lab #: 489825

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 319737

Analysis: EPA 6010B

Lab ID: QC1084872

Prepared: 08/07/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/07/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1084872 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.19	102	80-120	ug/ft2

Type: BSD

Batch#: 319737

Analysis: EPA 6010B

Lab ID: QC1084873

Prepared: 08/07/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/07/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1084873 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.90	104	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: 489826
Report Level: II
Report Date: 08/14/2023

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 #: 489826
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/07/23

Sample ID	Lab ID	Collected	Matrix
CLEAR-AFRAME-C6W-MED-L3-UP-C6.5-HM-230804-P-CB	489826-001	08/04/23 10:00	Wipe
CLEAR-AFRAME-C6W-MED-L3-UP-C6.5-HM-230804-L-CB	489826-002	08/04/23 10:00	Wipe
CLEAR-SCAF-Z4ECD-L7-230804-P	489826-003	08/04/23 10:05	Wipe
CLEAR-SCAF-Z4ECD-L7-230804-L	489826-004	08/04/23 10:05	Wipe
CLEAR-ENC-Z4ECD-L7-230804-P	489826-005	08/04/23 10:10	Wipe
CLEAR-ENC-Z4ECD-L7-230804-L	489826-006	08/04/23 10:10	Wipe
CLEAR-ENC-Z4ECD-L7-230804-L-DUP	489826-007	08/04/23 10:10	Wipe
CLEAR-AFRAME-C7W-LAT-L2-UP-C7.1-VS-230804-P-I	489826-008	08/04/23 10:25	Wipe
CLEAR-AFRAME-C7W-LAT-L2-UP-C7.1-VS-230804-L-I	489826-009	08/04/23 10:25	Wipe
CLEAR-SCAF-Z4ECD-L4-230804-P	489826-010	08/04/23 10:30	Wipe
CLEAR-SCAF-Z4ECD-L4-230804-L	489826-011	08/04/23 10:30	Wipe
CLEAR-ENC-Z4ECD-L4-230804-P	489826-012	08/04/23 10:35	Wipe
CLEAR-ENC-Z4ECD-L4-230804-L	489826-013	08/04/23 10:35	Wipe
CLEAR-AFRAME-C6W-MED-L1-INT-1 TO 2-230804-P-FB	489826-014	08/04/23 10:50	Wipe
CLEAR-AFRAME-C6W-MED-L1-INT-1 TO 2-230804-P-DUP-FB	489826-015	08/04/23 10:50	Wipe
CLEAR-AFRAME-C6W-MED-L1-INT-1 TO 2-230804-L-FB	489826-016	08/04/23 10:50	Wipe
CLEAR-SCAF-Z4ECD-L1-230804-P	489826-017	08/04/23 11:00	Wipe
CLEAR-SCAF-Z4ECD-L1-230804-L	489826-018	08/04/23 11:00	Wipe
CLEAR-ENC-Z4ECD-L1-230804-P	489826-019	08/04/23 10:55	Wipe

Sample Summary

Austin Moore	Lab Job #:	489826
Rincon Consultants	Project No:	20-10491
449 15th Street	Location:	Hangar 1 NTCRA
#303	Date Received:	08/07/23
Oakland, CA 94612		

Sample ID	Lab ID	Collected	Matrix
CLEAR-ENC-Z4ECD-L1-230804-L	489826-020	08/04/23 10:55	Wipe
CLEAR-FB-230804-P	489826-021	08/04/23 10:16	Wipe
CLEAR-FB-230804-L	489826-022	08/04/23 10:16	Wipe
CLEAR-MEDBLANK-230804-L	489826-023	08/04/23 11:38	Wipe

Case Narrative

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

Lab Job Number: 489826
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 08/07/23

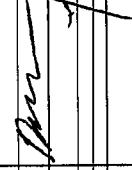
This data package contains sample and QC results for twenty three wipe samples, requested for the above referenced project on 08/07/23. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

- An exceedance for lead was observed in an interference check standard, however there are no relevant interferences present in the samples or QC. Results are flagged "b" but there is no impact on the reported data.
- No analytical problems were encountered.

 ENTHALPY ANALYTICAL		Chain of Custody Record COC ID: 487826 Page: 1 of 2		Turn Around Time (rush by advanced notice only) Standard: X (PCBs) 5 Day: 1 Day: 3 Day: X (PB) same day turn around 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		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	
CUSTOMER INFORMATION Company: Rincon Consultants, Inc. Report To: Lindsay Parker Email: lparker@rinconconsultants.com Address: 449 15th Street, Suite 303 Oakland, California 94612 Phone: (510) 890-9556 Fax:		PROJECT INFORMATION Quote #: RIN031721 Proj. Name: Hangar 1 - NCTRA WP Proj. #: 20-10491 P.O. #: Address: 158 Cody Road, Mountain View, CA Global ID: Sampled By: D. Welsh		Analysis Request PCBs - EPA Method 8082 Lead - EPA Method 3050/60108 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 4 Enclosure C/D (High Occupancy)	
Test Instructions / Comments Clearance Wipe Samples - Level II Report/Stage 2A Validation					
Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.
1 CLEAR-AFRAME-C6W-MED-L3-UP-C6.5-HM-230804-P-CB	8/4/2023	1000	WP	1	X
2 CLEAR-AFRAME-C6W-MED-L3-UP-C6.5-HM-230804-L-CB	8/4/2023	1000	WP	1	X
3 CLEAR-SCAF-Z4ECD-L7-230804-P	8/4/2023	1005	WP	1	X
4 CLEAR-SCAF-Z4ECD-L7-230804-L	8/4/2023	1005	WP	1	X
5 CLEAR-ENC-Z4ECD-L7-230804-P	8/4/2023	1010	WP	1	X
6 CLEAR-ENC-Z4ECD-L7-230804-L	8/4/2023	1010	WP	1	X
7 CLEAR-ENC-Z4ECD-L7-230804-L-DUP	8/4/2023	1010	WP	1	X
8 CLEAR-AFRAME-C7W-LAT-L2-UP-C7.1-VS-230804-P-I	8/4/2023	1025	WP	1	X
9 CLEAR-AFRAME-C7W-LAT-L2-UP-C7.1-VS-230804-L-I	8/4/2023	1025	WP	1	X
10 CLEAR-SCAF-Z4ECD-L4-230804-P	8/4/2023	1030	WP	1	X
11 CLEAR-SCAF-Z4ECD-L4-230804-L	8/4/2023	1030	WP	1	X
12 CLEAR-ENC-Z4ECD-L4-230804-P	8/4/2023	1035	WP	1	X
13 CLEAR-ENC-Z4ECD-L4-230804-L	8/4/2023	1035	WP	1	X
14 CLEAR-AFRAME-C6W-MED-L1-INT-1 TO 2-230804-P-FB	8/4/2023	1050	WP	1	X
15 CLEAR-AFRAME-C6W-MED-L1-INT-1 TO 2-230804-P-DUP-FB	8/4/2023	1050	WP	1	X
Signature Relinquished By:  Received By: Relinquished By: Received By: Relinquished By: Received By:		Print Name Donald Welsh PP01012		Company / Title Rincon / Env. Sci. En	
Date / Time 8/14/23 1157 8/17/23 0733					



Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92668
Phone 714-771-6900

Chain of Custody Record COC ID: 489826		Turn Around Time (rush by advanced notice only)			
Page: 2 of 2	Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Water SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other	Standard: X (PCBs)	3 Day: Custom TAT: 15 days same day turn around		
PROJECT INFORMATION		Test Instructions / Comments			
CUSTOMER INFORMATION		Analysis Request			
Company: Rincon Consultants, Inc.	Quote #: RIN031721	Clearance Wipe Samples - Level II			
Report To: Lindsay Parker	Proj. Name: Hangar 1 - NCTRA WP	Report/Stage 2A 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. #: 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: D. Welsh	Wipe samples collected from Zone 4 Enclosure C/D (High Occupancy)			
Sample ID		HOLD			
16 CLEAR-AFRAME-C6W-MED-LI-INT-1 TO 2-230804-L-FB	Sampling Date: 8/4/2023	Sampling Time: 1050	Matrix: WP	Size: 1	Pres.:
17 CLEAR-SCAF-Z4ECD-LI-230804-P	8/4/2023	1100	WP	1	
18 CLEAR-SCAF-Z4ECD-LI-230804-L	8/4/2023	1100	WP	1	
19 CLEAR-ENC-Z4ECD-LI-230804-P	8/4/2023	1055	WP	1	
20 CLEAR-ENC-Z4ECD-LI-230804-L	8/4/2023	1055	WP	1	
21 CLEAR-FB-230804-P	8/4/2023	1010	WP	1	
22 CLEAR-FB-230804-L	8/4/2023	1010	WP	1	
23 CLEAR-MEDBLANK-230804-L	8/4/2023	1138	WP	1	
24					
25					
26					
27					
28					
29					
30					
Signature: [Signature]		Print Name: Donald Welsh		Company / Title: Rincon Env. Sci. eps	
Date: 8/14/23		Date: 8/14/23		Time: 1157	
Relinquished By:		Relinquished By:		Relinquished By:	
Received By:		Received By:		Received By:	
Relinquished By:		Relinquished By:		Relinquished By:	
Received By:		Received By:		Received By:	
Relinquished By:		Relinquished By:		Relinquished By:	
Received By:		Received By:		Received By:	

The below sample checklist was completed after the samples were shipped by Rincon personnel 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>08/07/23</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>19.2</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: <u>FedEx</u>	

Section 3	
Was the cooler packed with: ☐ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam	
☐ Paper ☐ None ☒ Other <u>Ice water</u>	
Cooler Temp (°C): #1: <u>18.6</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
Samples received out of acceptable temperature criteria.

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: 8/7/23

ORIGIN ID: NUQA (619) 977-6886
KERRY CAMPBELL
1935 W EL CAMINO REAL
MOUNTAIN VIEW, CA 94040
UNITED STATES US

SHIP DATE: 04AUG23
ACTWGT: 30.00 LB
CAD: 254485286/NET4640
DIMS: 23x13x14 IN
BILL SENDER

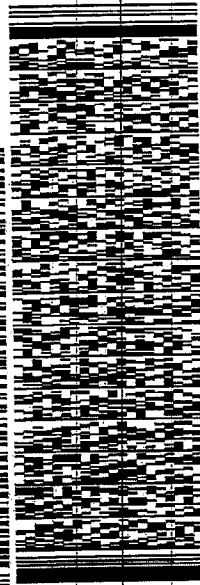
TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE

ORANGE CA 92868

REF: MOFFETT

(510) 204-2233
INV:
PO: 20-10491

DEPT:



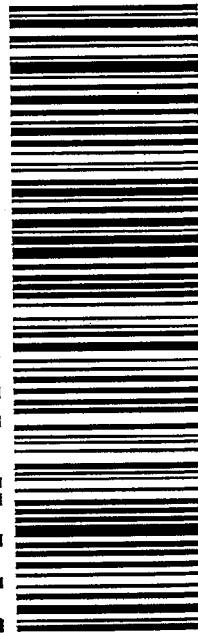
MON - 07 AUG 8:00A
FIRST OVERNIGHT

TRK# **7729 5805 2429**
0201

92868
SNA

CA-US

W1 APVA



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.

18c/19-2

Enthalpy Analytical - Orange Analytical Report

Lab #: 489826

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-AFRAME-C6W-MED-L3-UP-C6.5-HM-230804-P-CB

Batch#: 319850

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 8082

Lab ID: 489826-001

Received: 08/07/23

Analyst: MES

Matrix: Wipe

Prepared: 08/08/23

Diln Fac: 1.000

Analyzed: 08/08/23

489826-001 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
489826-001 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		68	19-121

Field ID: CLEAR-SCAF-Z4ECD-L7-230804-P

Batch#: 319850

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 8082

Lab ID: 489826-003

Received: 08/07/23

Analyst: MES

Matrix: Wipe

Prepared: 08/08/23

Diln Fac: 1.000

Analyzed: 08/08/23

489826-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489826-003 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489826

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z4ECD-L7-230804-P

Type: SAMPLE

Lab ID: 489826-005

Matrix: Wipe

Diln Fac: 1.000

Batch#: 319850

Sampled: 08/04/23

Received: 08/07/23

Prepared: 08/08/23

Analyzed: 08/08/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

489826-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489826-005 Surrogate		%REC	Limits
TCMX (PCB)		70	19-121
Decachlorobiphenyl (PCB)		66	19-121

Field ID: CLEAR-AFRAME-C7W-LAT-L2-UP-C7.1-VS-230804-P-I

Type: SAMPLE

Lab ID: 489826-008

Matrix: Wipe

Diln Fac: 1.000

Batch#: 319850

Sampled: 08/04/23

Received: 08/07/23

Prepared: 08/08/23

Analyzed: 08/08/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

489826-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489826-008 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489826	Project#: 20-10491	
Client: Rincon Consultants	Location: Hangar 1 NTCRA	
Field ID: CLEAR-SCAF-Z4ECD-L4-230804-P	Batch#: 319850	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/04/23	Analysis: EPA 8082
Lab ID: 489826-010	Received: 08/07/23	Analyst: MES
Matrix: Wipe	Prepared: 08/08/23	
Diln Fac: 1.000	Analyzed: 08/08/23	

489826-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489826-010 Surrogate		%REC	Limits
TCMX (PCB)		63	19-121
Decachlorobiphenyl (PCB)		60	19-121

Field ID: CLEAR-ENC-Z4ECD-L4-230804-P	Batch#: 319850	Prep: EPA 3546
Type: SAMPLE	Sampled: 08/04/23	Analysis: EPA 8082
Lab ID: 489826-012	Received: 08/07/23	Analyst: MES
Matrix: Wipe	Prepared: 08/08/23	
Diln Fac: 1.000	Analyzed: 08/08/23	

489826-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489826-012 Surrogate		%REC	Limits
TCMX (PCB)		66	19-121
Decachlorobiphenyl (PCB)		65	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489826

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-AFRAME-C6W-MED-L1-INT-1 TO 2-230804-P-FB

Batch#: 319850

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 8082

Lab ID: 489826-014

Received: 08/07/23

Analyst: MES

Matrix: Wipe

Prepared: 08/08/23

Diln Fac: 1.000

Analyzed: 08/08/23

489826-014 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
489826-014 Surrogate		%REC	Limits
TCMX (PCB)		71	19-121
Decachlorobiphenyl (PCB)		70	19-121

Field ID: CLEAR-AFRAME-C6W-MED-L1-INT-1 TO 2-230804-P-DUP-FB

Batch#: 319850

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 8082

Lab ID: 489826-015

Received: 08/07/23

Analyst: MES

Matrix: Wipe

Prepared: 08/08/23

Diln Fac: 1.000

Analyzed: 08/08/23

489826-015 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489826-015 Surrogate		%REC	Limits
TCMX (PCB)		69	19-121
Decachlorobiphenyl (PCB)		67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489826

Client: Rincon Consultants

Project#: 20-10491

Location: Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z4ECD-L1-230804-P

Type: SAMPLE

Lab ID: 489826-017

Matrix: Wipe

Diln Fac: 1.000

Batch#: 319850

Sampled: 08/04/23

Received: 08/07/23

Prepared: 08/08/23

Analyzed: 08/08/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

489826-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489826-017 Surrogate		%REC	Limits
TCMX (PCB)		68	19-121
Decachlorobiphenyl (PCB)		63	19-121

Field ID: CLEAR-ENC-Z4ECD-L1-230804-P

Type: SAMPLE

Lab ID: 489826-019

Matrix: Wipe

Diln Fac: 1.000

Batch#: 319850

Sampled: 08/04/23

Received: 08/07/23

Prepared: 08/08/23

Analyzed: 08/08/23

Prep: EPA 3546

Analysis: EPA 8082

Analyst: MES

489826-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489826-019 Surrogate		%REC	Limits
TCMX (PCB)		68	19-121
Decachlorobiphenyl (PCB)		63	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 489826

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-FB-230804-P

Batch#: 319850

Prep: EPA 3546

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 8082

Lab ID: 489826-021

Received: 08/07/23

Analyst: MES

Matrix: Wipe

Prepared: 08/08/23

Diln Fac: 1.000

Analyzed: 08/08/23

489826-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2
489826-021 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		62	19-121

Type: BLANK

Batch#: 319850

Analysis: EPA 8082

Lab ID: QC1085408

Prepared: 08/08/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/08/23

Diln Fac: 1.000

Prep: EPA 3546

QC1085408 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
QC1085408 Surrogate		%REC	Limits
TCMX (PCB)		67	19-121
Decachlorobiphenyl (PCB)		72	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 489826

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 319850

Analysis: EPA 8082

Lab ID: QC1085409

Prepared: 08/08/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/08/23

Diln Fac: 1.000

Prep: EPA 3546

QC1085409 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.860	77	60-140	ug/100 cm2
Aroclor-1260	5.000	4.157	83	60-140	ug/100 cm2
QC1085409 Surrogate				%REC	Limits
TCMX (PCB)				66	19-121
Decachlorobiphenyl (PCB)				75	19-121

Type: BSD

Batch#: 319850

Analysis: EPA 8082

Lab ID: QC1085410

Prepared: 08/08/23

Analyst: MES

Matrix: Wipe

Analyzed: 08/08/23

Diln Fac: 1.000

Prep: EPA 3546

QC1085410 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.862	77	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	4.069	81	60-140	ug/100 cm2	2	20
QC1085410 Surrogate				%REC	Limits		
TCMX (PCB)				66	19-121		
Decachlorobiphenyl (PCB)				79	19-121		

Legend

RPD: Relative Percent Difference

Lead

Lab #: 489826

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-AFRAME-C6W-MED-L3-UP-C6.5-HM-230804-L-CB

Batch#: 319737

Prep: EPA 3050B

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 6010B

Lab ID: 489826-002

Received: 08/07/23

Analyst: SBW

Matrix: Wipe

Prepared: 08/07/23

Diln Fac: 1.000

Analyzed: 08/07/23

489826-002 Analyte	Result	RL	Units
Lead	150	0.50	ug/ft2

Field ID: CLEAR-SCAF-Z4ECD-L7-230804-L

Batch#: 319737

Prep: EPA 3050B

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 6010B

Lab ID: 489826-004

Received: 08/07/23

Analyst: SBW

Matrix: Wipe

Prepared: 08/07/23

Diln Fac: 1.000

Analyzed: 08/07/23

489826-004 Analyte	Result	RL	Units
Lead	180	0.50	ug/ft2

Field ID: CLEAR-ENC-Z4ECD-L7-230804-L

Batch#: 319737

Prep: EPA 3050B

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 6010B

Lab ID: 489826-006

Received: 08/07/23

Analyst: SBW

Matrix: Wipe

Prepared: 08/07/23

Diln Fac: 1.000

Analyzed: 08/07/23

489826-006 Analyte	Result	RL	Units
Lead	9.4	0.50	ug/ft2

Field ID: CLEAR-ENC-Z4ECD-L7-230804-L-DUP

Batch#: 319737

Prep: EPA 3050B

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 6010B

Lab ID: 489826-007

Received: 08/07/23

Analyst: SBW

Matrix: Wipe

Prepared: 08/07/23

Diln Fac: 1.000

Analyzed: 08/07/23

489826-007 Analyte	Result	RL	Units
Lead	11	0.50	ug/ft2

Field ID: CLEAR-AFRAME-C7W-LAT-L2-UP-C7.1-VS-230804-L-I

Batch#: 319737

Prep: EPA 3050B

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 6010B

Lab ID: 489826-009

Received: 08/07/23

Analyst: SBW

Matrix: Wipe

Prepared: 08/07/23

Diln Fac: 2.000

Analyzed: 08/07/23

489826-009 Analyte	Result	RL	Units	Qual
Lead	550	0.50	ug/ft2	b

Lead

Lab #: 489826		Project#: 20-10491		
Client: Rincon Consultants		Location: Hangar 1 NTCRA		
Field ID: CLEAR-SCAF-Z4ECD-L4-230804-L		Batch#: 319737	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 08/04/23	Analysis: EPA 6010B	
Lab ID: 489826-011		Received: 08/07/23	Analyst: SBW	
Matrix: Wipe		Prepared: 08/07/23		
Diln Fac: 2.000		Analyzed: 08/07/23		
489826-011 Analyte		Result	RL	Units
Lead		480	0.50	ug/ft2
Qual				b
Field ID: CLEAR-ENC-Z4ECD-L4-230804-L		Batch#: 319737	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 08/04/23	Analysis: EPA 6010B	
Lab ID: 489826-013		Received: 08/07/23	Analyst: SBW	
Matrix: Wipe		Prepared: 08/07/23		
Diln Fac: 1.000		Analyzed: 08/07/23		
489826-013 Analyte		Result	RL	Units
Lead		66	0.50	ug/ft2
Field ID: CLEAR-AFRAME-C6W-MED-L1-INT-1 TO 2-230804-L-FB		Batch#: 319737	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 08/04/23	Analysis: EPA 6010B	
Lab ID: 489826-016		Received: 08/07/23	Analyst: SBW	
Matrix: Wipe		Prepared: 08/07/23		
Diln Fac: 1.000		Analyzed: 08/07/23		
489826-016 Analyte		Result	RL	Units
Lead		220	0.50	ug/ft2
Field ID: CLEAR-SCAF-Z4ECD-L1-230804-L		Batch#: 319737	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 08/04/23	Analysis: EPA 6010B	
Lab ID: 489826-018		Received: 08/07/23	Analyst: SBW	
Matrix: Wipe		Prepared: 08/07/23		
Diln Fac: 1.000		Analyzed: 08/07/23		
489826-018 Analyte		Result	RL	Units
Lead		120	0.50	ug/ft2
Field ID: CLEAR-ENC-Z4ECD-L1-230804-L		Batch#: 319737	Prep: EPA 3050B	
Type: SAMPLE		Sampled: 08/04/23	Analysis: EPA 6010B	
Lab ID: 489826-020		Received: 08/07/23	Analyst: SBW	
Matrix: Wipe		Prepared: 08/07/23		
Diln Fac: 1.000		Analyzed: 08/07/23		
489826-020 Analyte		Result	RL	Units
Lead		51	0.50	ug/ft2

Lead

Lab #: 489826

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Field ID: CLEAR-FB-230804-L

Batch#: 319737

Prep: EPA 3050B

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 6010B

Lab ID: 489826-022

Received: 08/07/23

Analyst: SBW

Matrix: Wipe

Prepared: 08/07/23

Diln Fac: 1.000

Analyzed: 08/07/23

489826-022 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: CLEAR-MEDBLANK-230804-L

Batch#: 319737

Prep: EPA 3050B

Type: SAMPLE

Sampled: 08/04/23

Analysis: EPA 6010B

Lab ID: 489826-023

Received: 08/07/23

Analyst: SBW

Matrix: Wipe

Prepared: 08/07/23

Diln Fac: 1.000

Analyzed: 08/07/23

489826-023 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK

Batch#: 319737

Analysis: EPA 6010B

Lab ID: QC1084870

Prepared: 08/07/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/07/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1084870 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

Lead: Batch QC

Lab #: 489826

Project#: 20-10491

Client: Rincon Consultants

Location: Hangar 1 NTCRA

Type: BS

Batch#: 319737

Analysis: EPA 6010B

Lab ID: QC1084872

Prepared: 08/07/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/07/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1084872 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	51.19	102	80-120	ug/ft2

Type: BSD

Batch#: 319737

Analysis: EPA 6010B

Lab ID: QC1084873

Prepared: 08/07/23

Analyst: SBW

Matrix: Wipe

Analyzed: 08/07/23

Diln Fac: 1.000

Prep: EPA 3050B

QC1084873 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	51.90	104	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference